

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010219\
 Data File : VN053243.D
 Acq On : 2 Jan 2019 12:51
 Operator : MD\SY
 Sample : VN0102WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

Manual Integrations
 APPROVED

Quant Time: Jan 03 02:02:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	905440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1386376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1179695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	493380	50.00	ug/l	0.00

System Monitoring Compounds

MMDadoda

33) 1,2-Dichloroethane-d4	8.03	65	479257	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
35) Dibromofluoromethane	7.59	113	406704	64.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.44%	
50) Toluene-d8	10.09	98	1682138	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	540503	45.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.58%	

1/3/2019 9:55:43 AM

Target Compounds

Qvalue

2) Dichlorodifluoromethane	1.85	85	162841	17.770	ug/l	100
3) Chloromethane	2.06	50	196785	17.721	ug/l	99
4) Vinyl Chloride	2.19	62	210742	18.739	ug/l	100
5) Bromomethane	2.58	94	140274	18.003	ug/l	99
6) Chloroethane	2.71	64	130325	19.566	ug/l	98
7) Trichlorofluoromethane	3.03	101	292946	20.910	ug/l	98
8) Diethyl Ether	3.42	74	114380	21.641	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	189560	21.221	ug/l	98
10) Methyl Iodide	3.96	142	241649	19.263	ug/l	99
11) Tert butyl alcohol	4.78	59	57076	101.804	ug/l	99
12) 1,1-Dichloroethene	3.74	96	178493	20.683	ug/l	97
13) Acrolein	3.61	56	48714	95.826	ug/l	99
14) Allyl chloride	4.33	41	278450	20.830	ug/l	97
15) Acrylonitrile	4.99	53	338128	108.560	ug/l	98
16) Acetone	3.82	43	226712	125.841	ug/l	98
17) Carbon Disulfide	4.06	76	465839	16.552	ug/l	100
18) Methyl Acetate	4.33	43	193824	24.226	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	514414	22.274	ug/l	100
20) Methylene Chloride	4.56	84	204327	20.792	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	188766	20.358	ug/l	98
22) Diisopropyl ether	5.95	45	647945	22.708	ug/l	99
23) Vinyl Acetate	5.90	43	1858697	113.283	ug/l	99
24) 1,1-Dichloroethane	5.85	63	371895	21.934	ug/l	98
25) 2-Butanone	6.83	43	356338	117.857	ug/l	98
26) 2,2-Dichloropropane	6.83	77	279238	21.574	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	224676	21.403	ug/l	99
28) Bromochloromethane	7.20	49	161747	22.015	ug/l	99
29) Tetrahydrofuran	7.21	42	247862	109.763	ug/l	99
30) Chloroform	7.37	83	366307	21.992	ug/l	99
31) Cyclohexane	7.66	56	333816	20.369	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	300800	21.200	ug/l	99
36) 1,1-Dichloropropene	7.80	75	270020	20.292	ug/l	100
37) Ethyl Acetate	6.93	43	167061	22.489	ug/l	99
38) Carbon Tetrachloride	7.78	117	261420	21.433	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	307064	18.996	ug/l	99
40) Benzene	8.04	78	844203	21.329	ug/l	100
41) Methacrylonitrile	7.17	41	96958	22.590	ug/l	95
42) 1,2-Dichloroethane	8.12	62	249818	21.365	ug/l	99
43) Isopropyl Acetate	8.16	43	315210	21.328	ug/l	100
44) Trichloroethene	8.84	130	230150	20.103	ug/l	98
45) 1,2-Dichloropropane	9.12	63	225132	21.837	ug/l	99
46) Dibromomethane	9.21	93	128446	21.387	ug/l	98
47) Bromodichloromethane	9.40	83	279330	21.880	ug/l	100
48) Methyl methacrylate	9.20	41	152051	21.094	ug/l	99
49) 1,4-Dioxane	9.20	88	34013	373.018	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	800010	111.206	ug/l	99
52) Toluene	10.16	92	506242	20.635	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	272113	20.270	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	320962	20.830	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	187937	21.958	ug/l	100
56) Ethyl methacrylate	10.43	69	240062	21.191	ug/l	97
57) 1,3-Dichloropropane	10.71	76	318557	21.705	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	659325	106.012	ug/l	99
59) 2-Hexanone	10.75	43	525379	107.941	ug/l	99
60) Dibromochloromethane	10.90	129	204316	20.855	ug/l	100
61) 1,2-Dibromoethane	11.01	107	180455	20.760	ug/l	100
64) Tetrachloroethene	10.63	164	240594	18.828	ug/l	98
65) Chlorobenzene	11.43	112	544833	20.835	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	199949	21.988	ug/l	98
67) Ethyl Benzene	11.51	91	931589	20.715	ug/l	100
68) m/p-Xylenes	11.62	106	693788	40.581	ug/l	99
69) o-Xylene	11.95	106	339802	20.713	ug/l	99
70) Styrene	11.96	104	544241	20.345	ug/l	100
71) Bromoform	12.13	173	131966	20.088	ug/l #	98
73) Isopropylbenzene	12.25	105	904563	23.433	ug/l	99
74) N-amyl acetate	12.07	43	237597	22.169	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	200803	26.515	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	169542m	20.413	ug/l	
77) Bromobenzene	12.53	156	229071	22.828	ug/l	97
78) n-propylbenzene	12.59	91	977012	22.223	ug/l	99
79) 2-Chlorotoluene	12.67	91	584577	21.451	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	687992	21.866	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55663	21.601	ug/l	99
82) 4-Chlorotoluene	12.77	91	579845	21.736	ug/l	100
83) tert-Butylbenzene	12.99	119	619403	22.259	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	690077	21.817	ug/l	100
85) sec-Butylbenzene	13.17	105	804922	21.385	ug/l	99
86) p-Isopropyltoluene	13.29	119	675925	20.783	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	368917	20.772	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	363192	20.194	ug/l	99
89) n-Butylbenzene	13.62	91	528217	18.878	ug/l	100
90) Hexachloroethane	13.88	117	110990	22.238	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	350516	20.971	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25703	19.629	ug/l	97

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1/3/2019 9:55:43 AM

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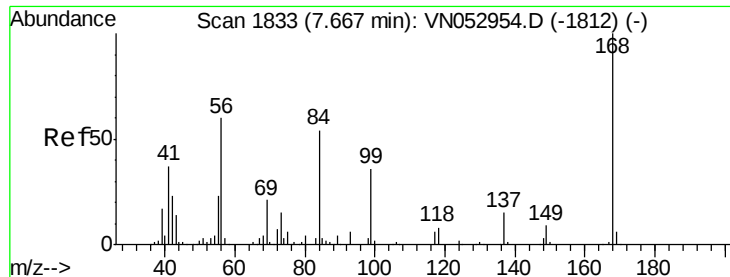
Quant Time: Jan 03 02:02:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	167275	19.260	ug/l	99
94) Hexachlorobutadiene	15.01	225	108709	22.107	ug/l	99
95) Naphthalene	15.13	128	357038	19.130	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	152549	19.443	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

1/3/2019 9:55:43 AM



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBSD02

Tot Ion:168 Resp: 905440

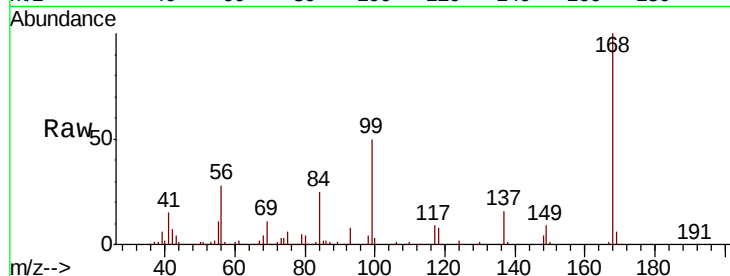
Ion Ratio Lower Upper

168 100

99 49.7 40.2 60.2

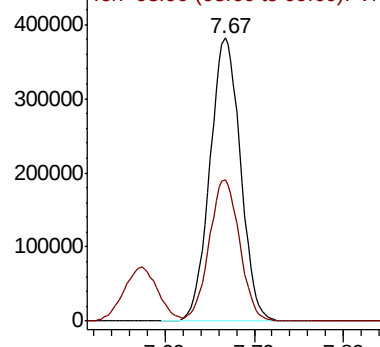
Manual Integrations

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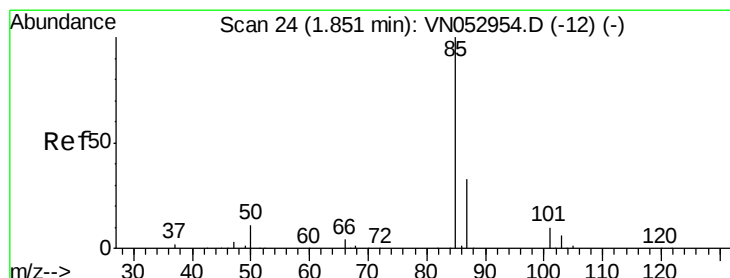
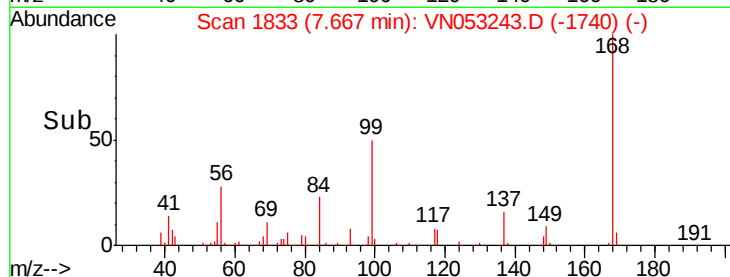
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



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1/3/2019 9:55:43 AM



#2

Dichlorodifluoromethane

Concen: 17.770 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053243.D

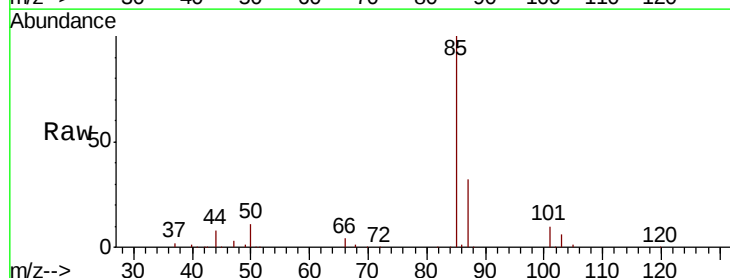
Acq: 2 Jan 2019 12:51

Tgt Ion: 85 Resp: 162841

Ion Ratio Lower Upper

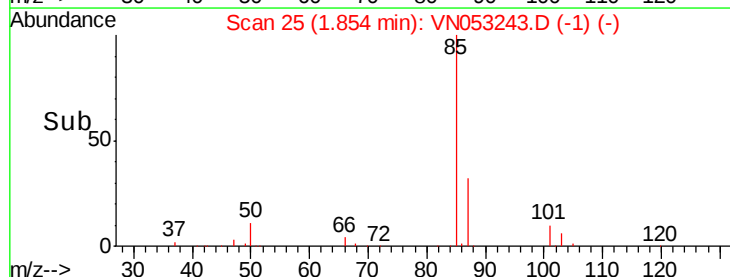
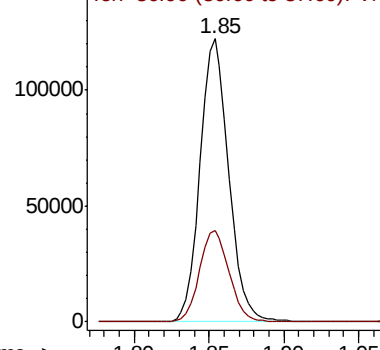
85 100

87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.721 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0102WBSD02

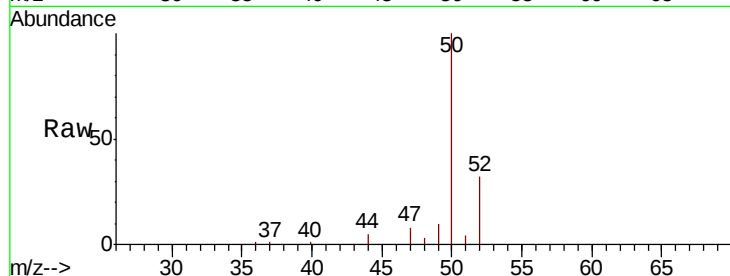
Tot Ion: 50 Resp: 196785

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.4

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

150000

100000

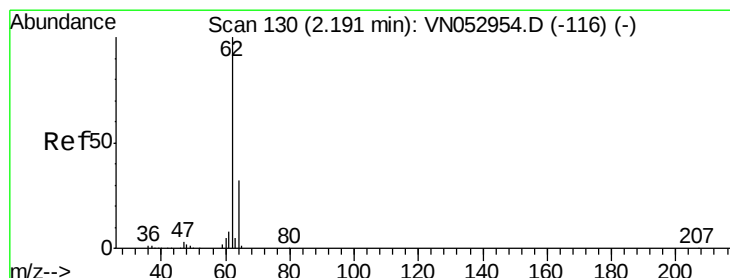
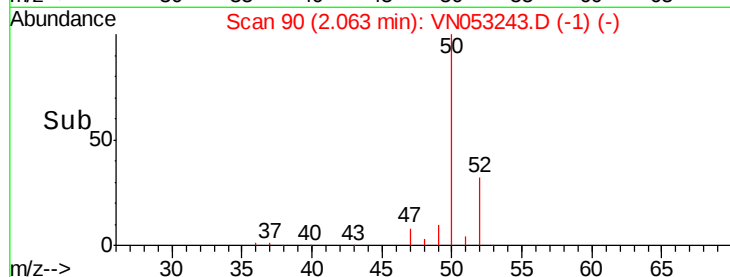
50000

0

Time--> 2.00 2.05 2.10 2.15

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1/3/2019 9:55:43 AM



#4

Vinyl Chloride

Concen: 18.739 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053243.D

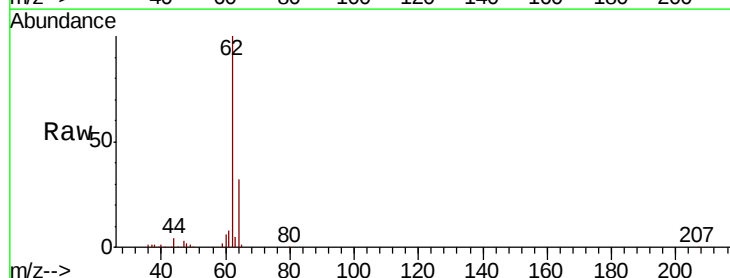
Acq: 2 Jan 2019 12:51

Tgt Ion: 62 Resp: 210742

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

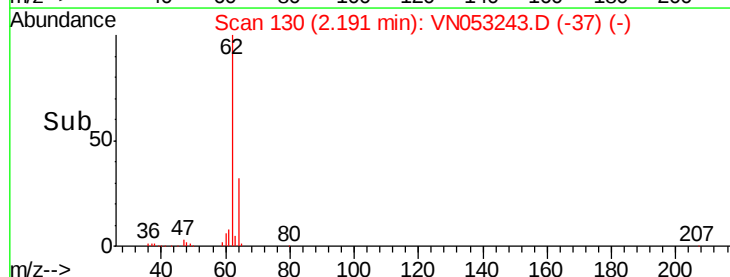
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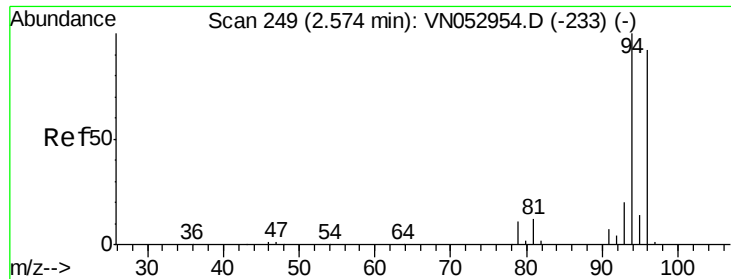
100000

50000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 18.003 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0102WBSD02

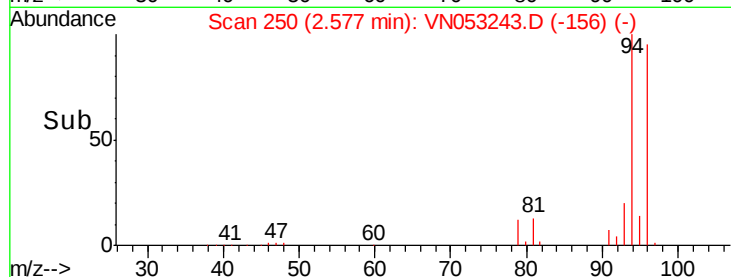
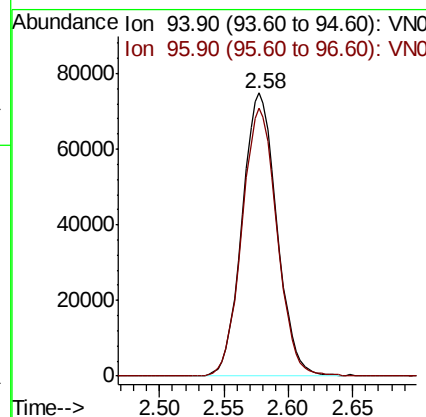
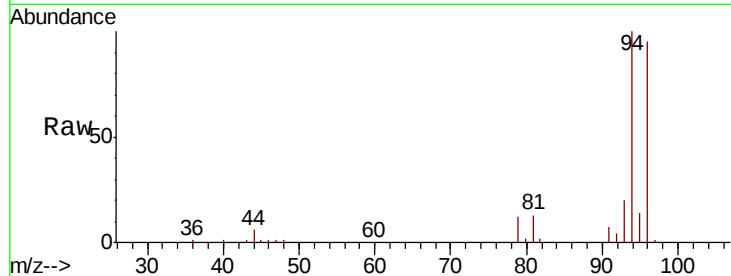
Tot Ion: 94 Resp: 140274

Ion Ratio Lower Upper

94 100

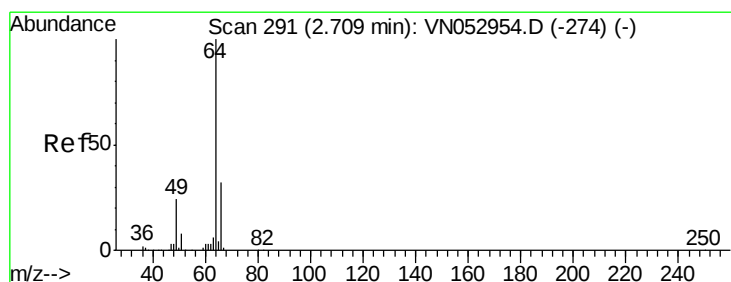
96 94.6 75.0 112.4

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1/3/2019 9:55:43 AM



#6

Chloroethane

Concen: 19.566 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053243.D

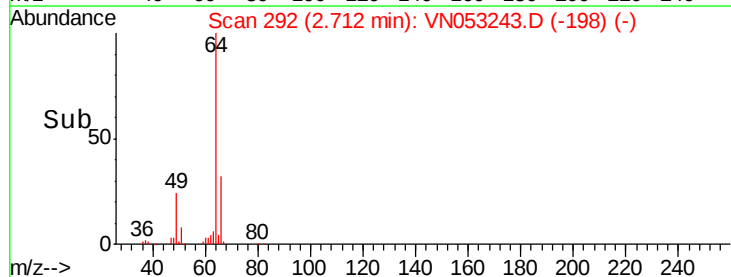
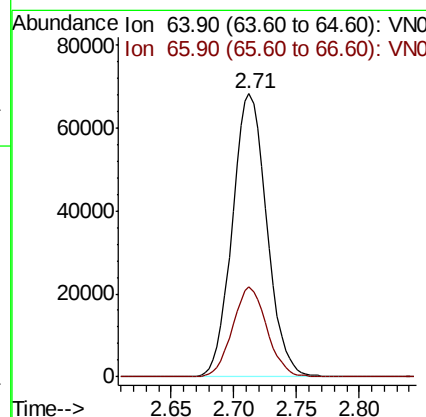
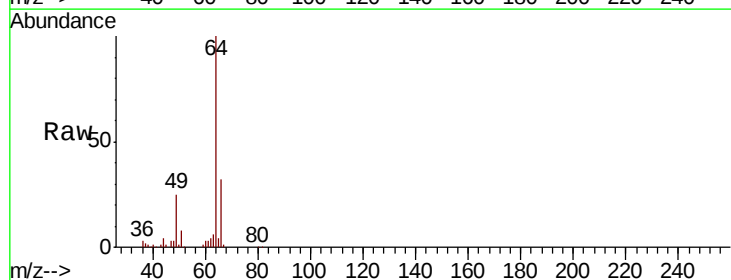
Acq: 2 Jan 2019 12:51

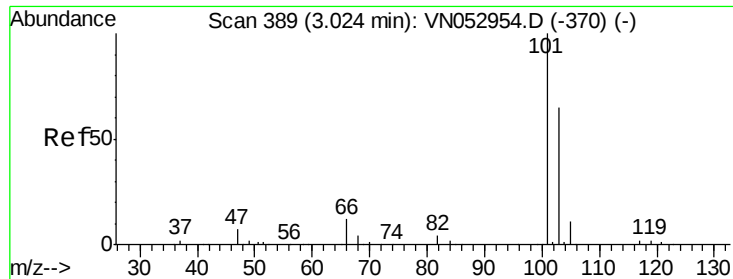
Tgt Ion: 64 Resp: 130325

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2





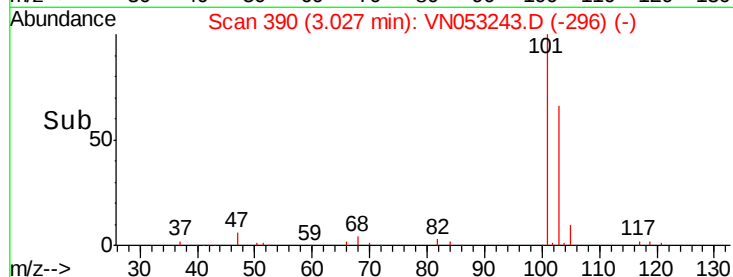
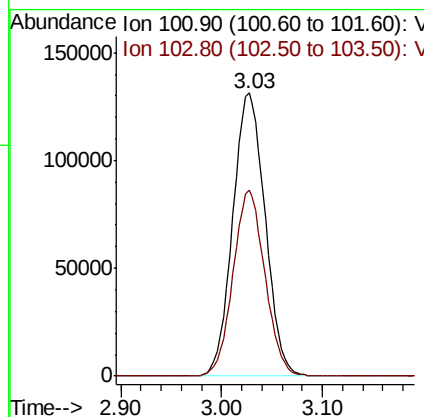
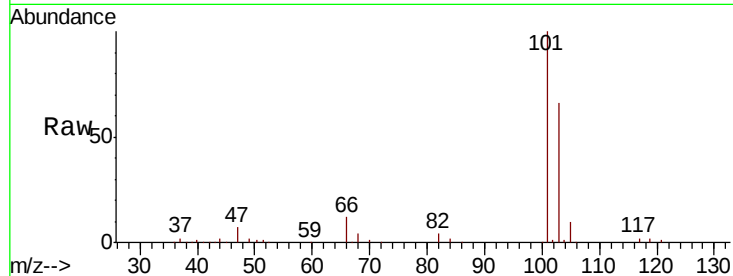
#7

Trichlorofluoromethane
Concen: 20.910 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
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ClientSampleId :
VN0102WBSD02

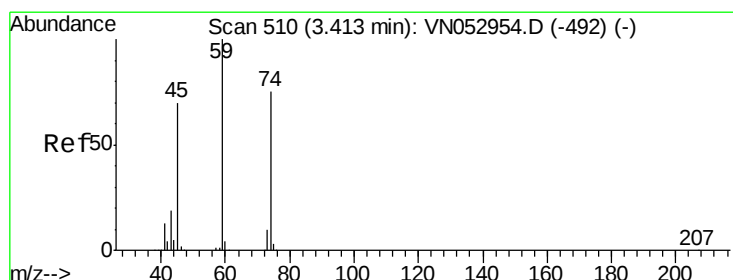
Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		292946		
103	65.9	51.8	77.6		

Manual Integrations
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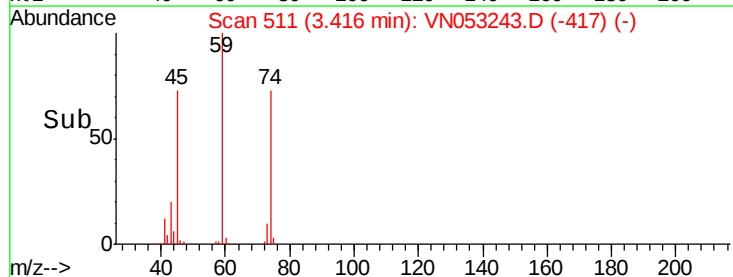
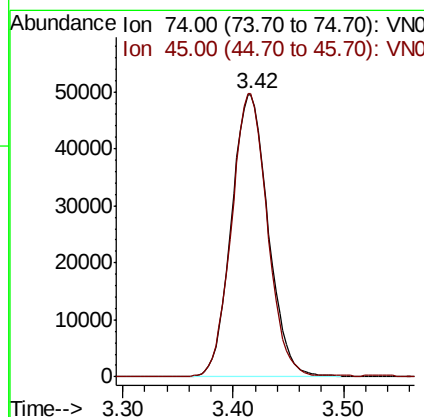
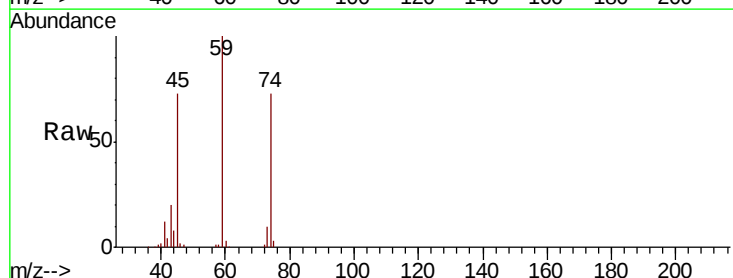
1/3/2019 9:55:43 AM

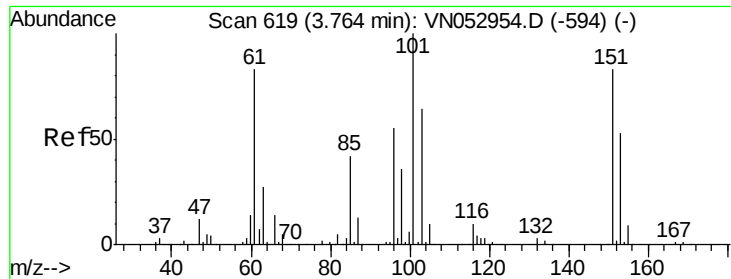


#8

Diethyl Ether
Concen: 21.641 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		114380		
45	97.5	49.4	148.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.221 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

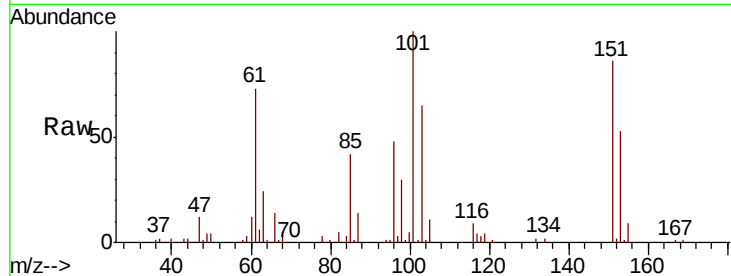
MSVOA_N

ClientSampled :

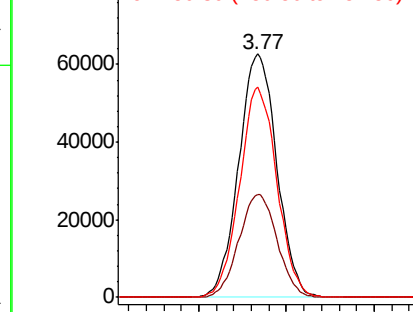
VN0102WBSD02

Tot Ion:	101	Resp:	189560
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.6	50.4
151	84.4	65.5	98.3

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APPROVED

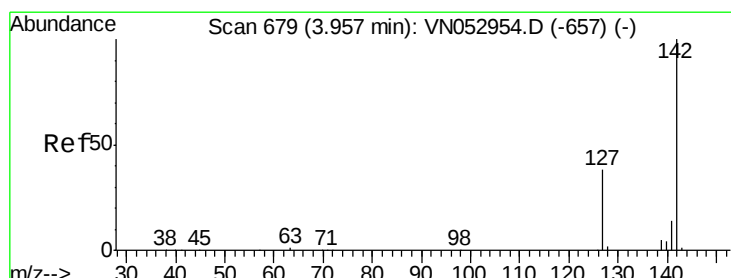
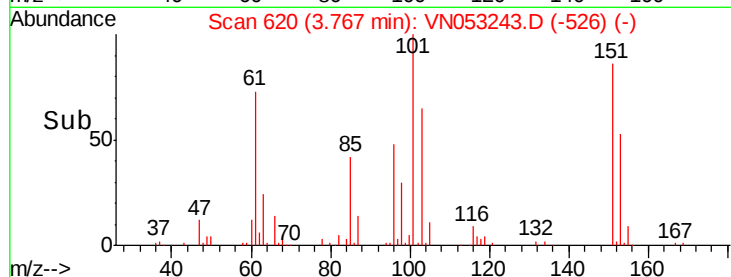


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



MMDadoda

1/3/2019 9:55:43 AM



#10

Methyl Iodide

Concen: 19.263 ug/l

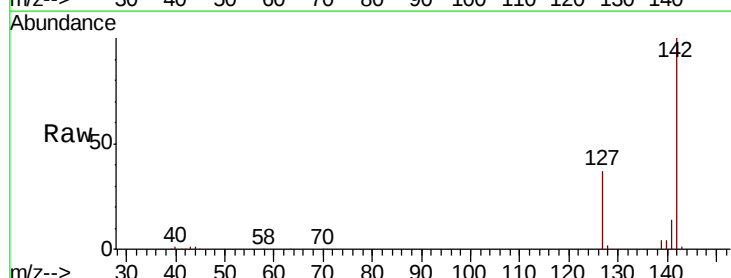
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

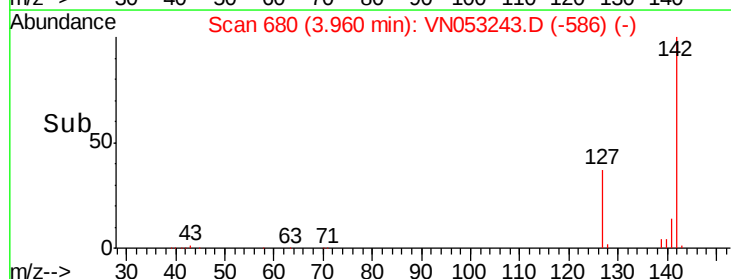
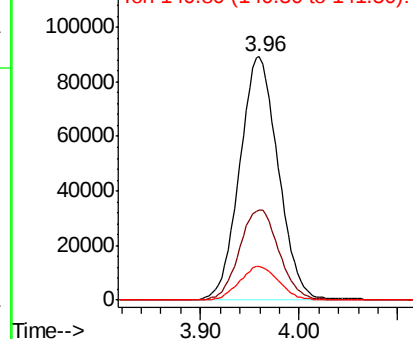
Lab File: VN053243.D

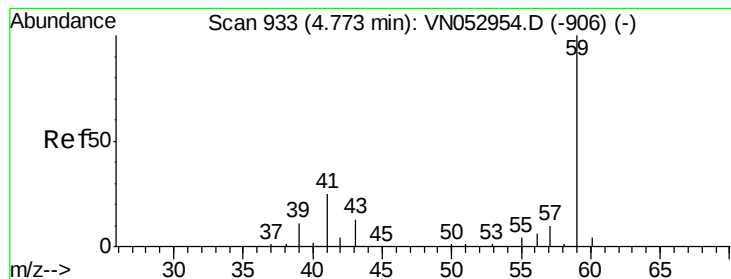
Acq: 2 Jan 2019 12:51

Tgt Ion:	142	Resp:	241649
Ion Ratio	Lower	Upper	
142	100		
127	38.1	31.0	46.6
141	14.1	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





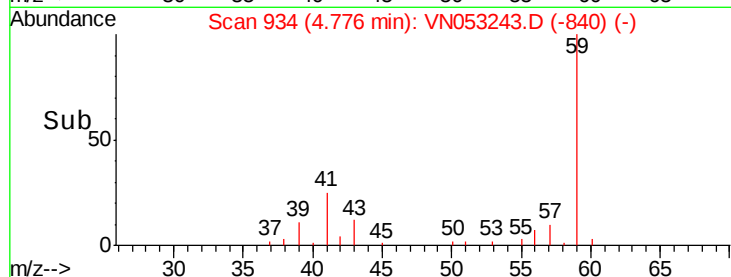
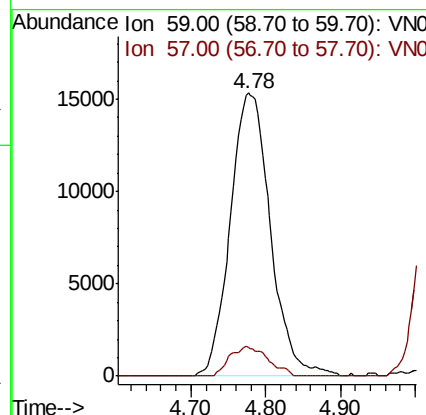
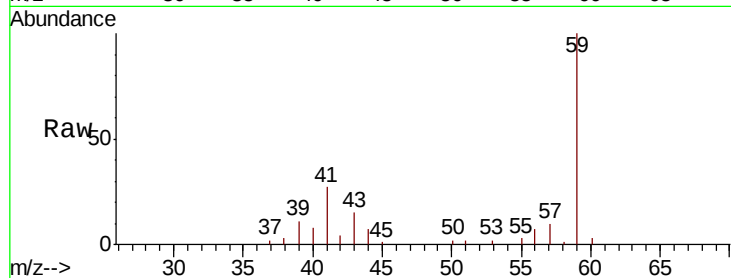
#11

Tert butyl alcohol
 Concen: 101.804 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0102WBSD02

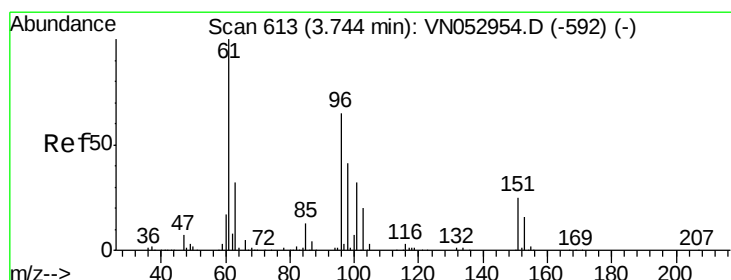
Tot Ion: 59 Resp: 57076
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.7 11.5

Manual Integrations
 APPROVED



MMDadoda

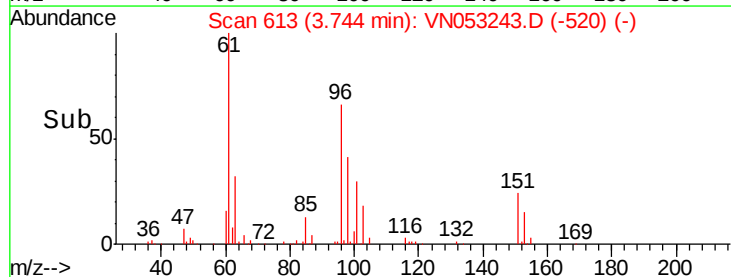
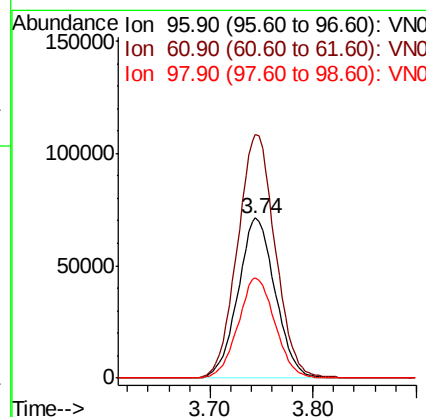
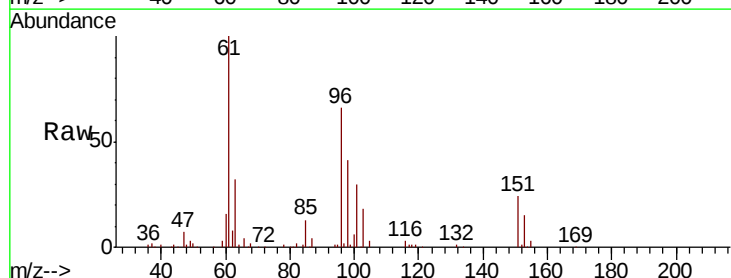
1/3/2019 9:55:43 AM

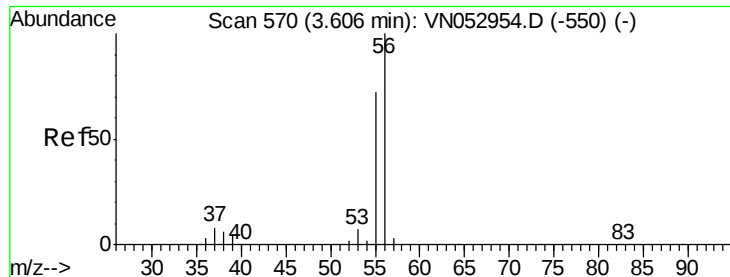


#12

1,1-Dichloroethene
 Concen: 20.683 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion: 96 Resp: 178493
 Ion Ratio Lower Upper
 96 100
 61 152.2 125.6 188.4
 98 62.9 50.6 75.8



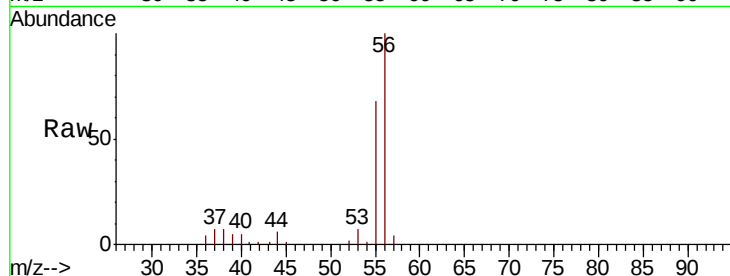


#13
Acrolein
Concen: 95.826 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

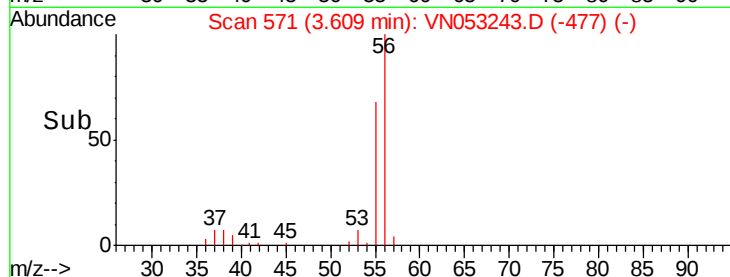
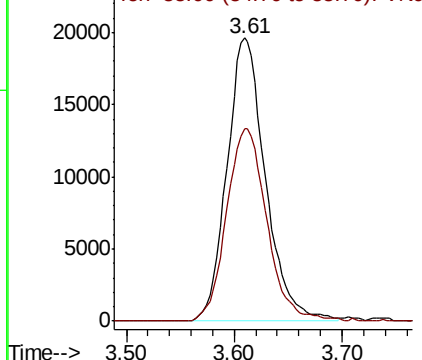
Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.3	56.6	85.0

Manual Integrations
APPROVED

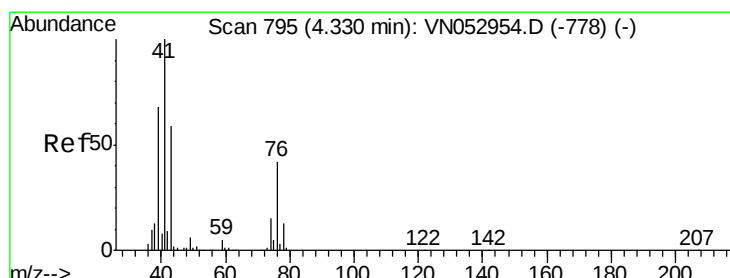


Abundance Ion 56.00 (55.70 to 56.70): VN053243.D (-550) (-)
Ion 55.00 (54.70 to 55.70): VN053243.D (-550) (-)



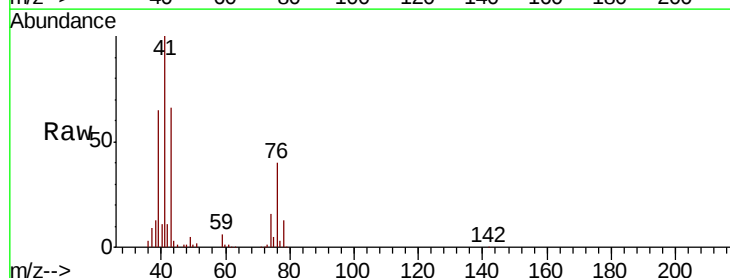
MMDadoda

1/3/2019 9:55:43 AM

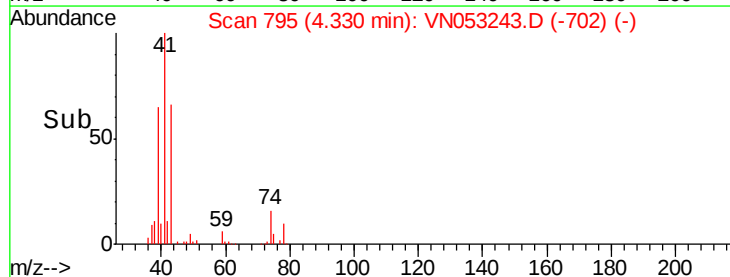
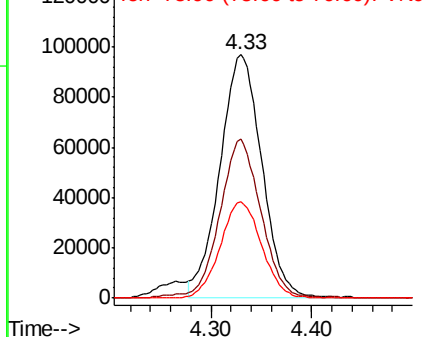


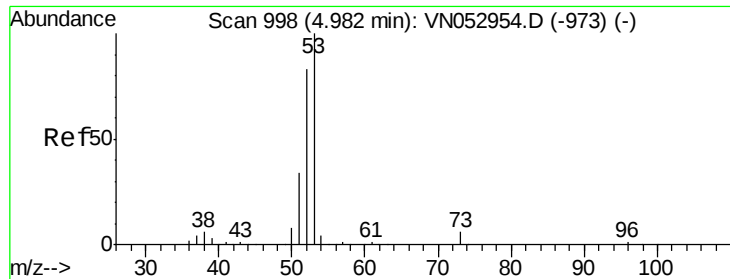
#14
Allyl chloride
Concen: 20.830 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	64.7	54.1	81.1
76	76	38.7	30.3	45.5



Abundance Ion 41.00 (40.70 to 41.70): VN053243.D (-778) (-)
Ion 39.00 (38.70 to 39.70): VN053243.D (-778) (-)
Ion 75.90 (75.60 to 76.60): VN053243.D (-778) (-)





#15

Acrylonitrile

Concen: 108.560 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

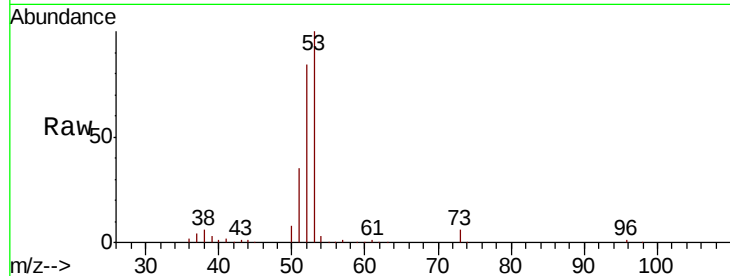
MSVOA_N

ClientSampleId :

VN0102WBSD02

Tot Ion:	53	Resp:	338128
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.1	97.7
51	35.9	28.1	42.1

Manual Integrations
APPROVED

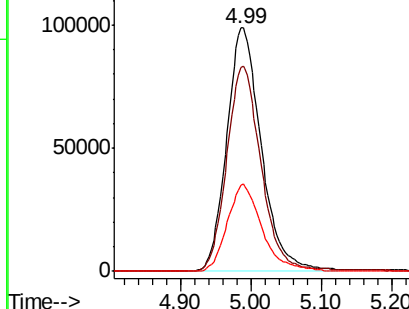
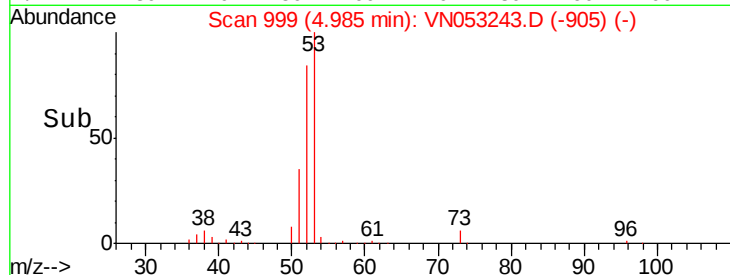


Abundance Ion 53.00 (52.70 to 53.70): VN053243.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN053243.D (-905) (-)

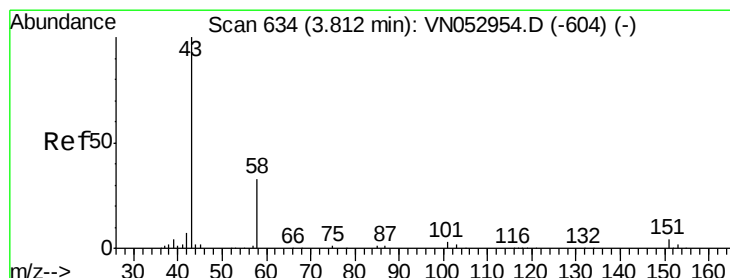
Ion 51.00 (50.70 to 51.70): VN053243.D (-905) (-)

Time-->



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1/3/2019 9:55:43 AM



#16

Acetone

Concen: 125.841 ug/l

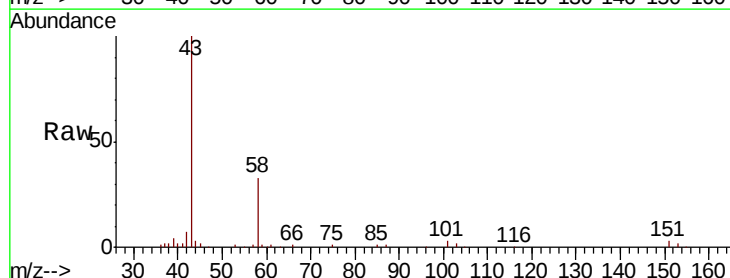
RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

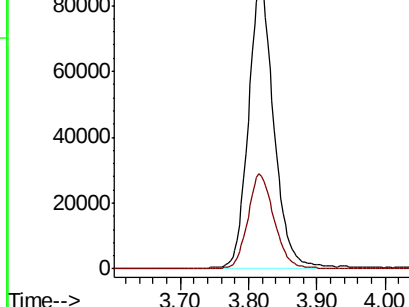
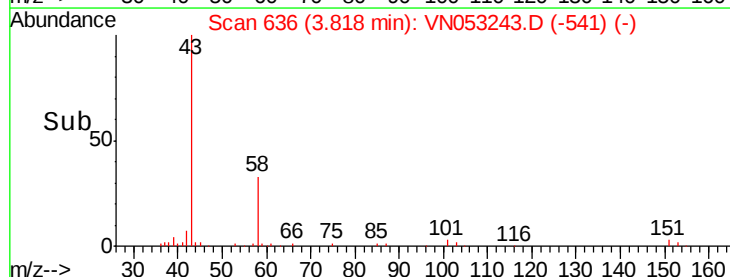
Tgt Ion:	43	Resp:	226712
Ion	Ratio	Lower	Upper
43	100		
58	32.6	25.4	38.0

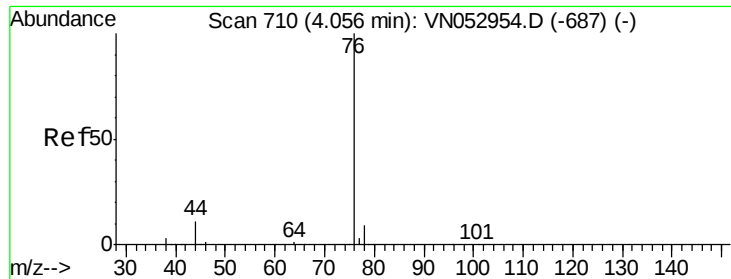


Abundance Ion 43.00 (42.70 to 43.70): VN053243.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053243.D (-541) (-)

Time-->



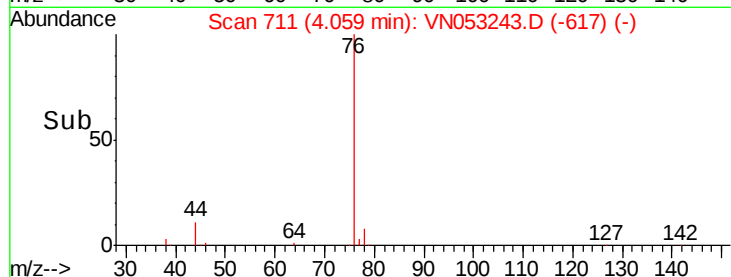
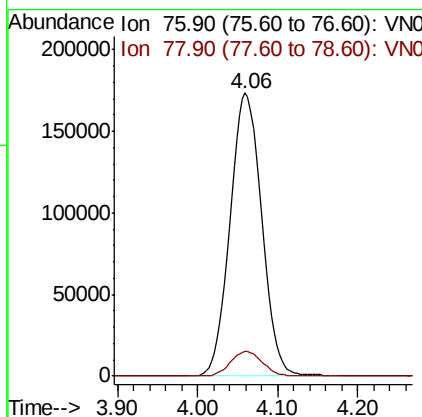
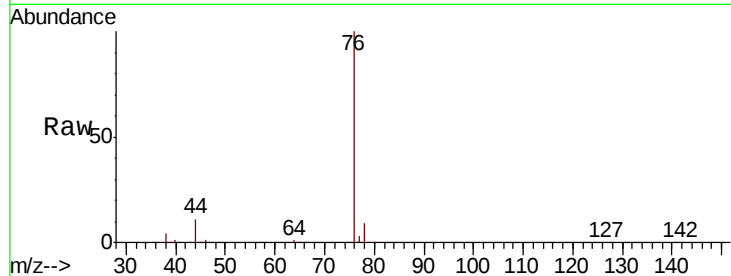


#17
Carbon Disulfide
Concen: 16.552 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

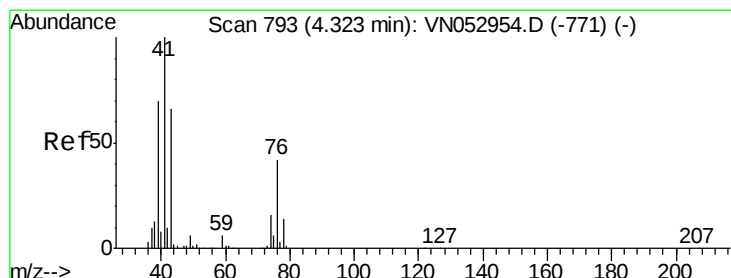
Tot Ion	76	Resp	465839
Ion Ratio	Lower	Upper	
76	100		
78	8.8	7.1	10.7

Manual Integrations
APPROVED



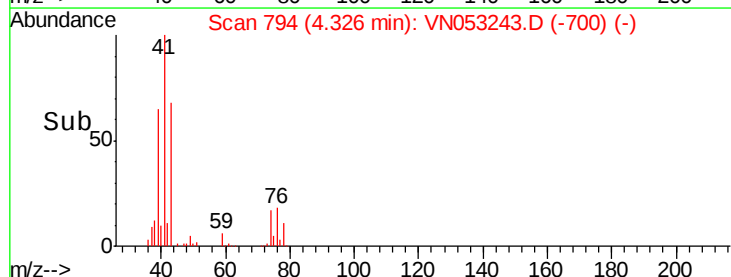
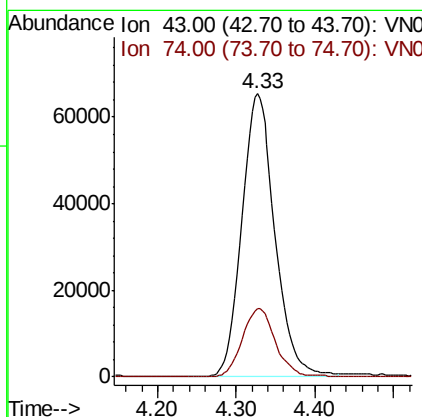
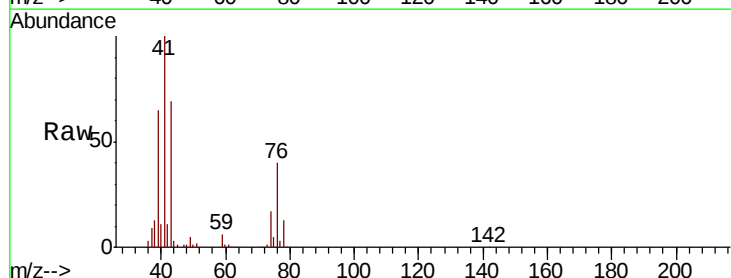
MMDadoda

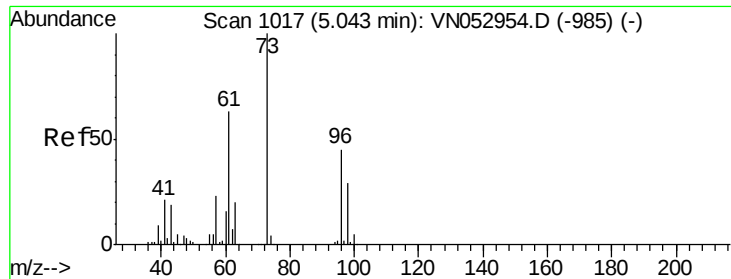
1/3/2019 9:55:43 AM



#18
Methyl Acetate
Concen: 24.226 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	43	Resp	193824
Ion Ratio	Lower	Upper	
43	100		
74	24.1	19.2	28.8



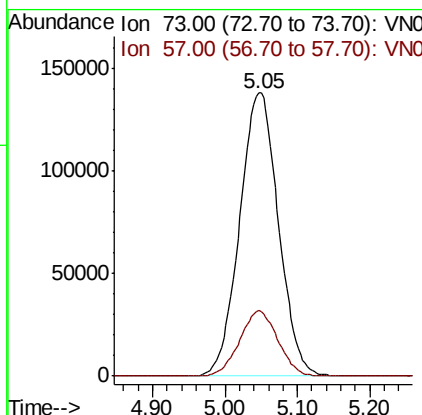
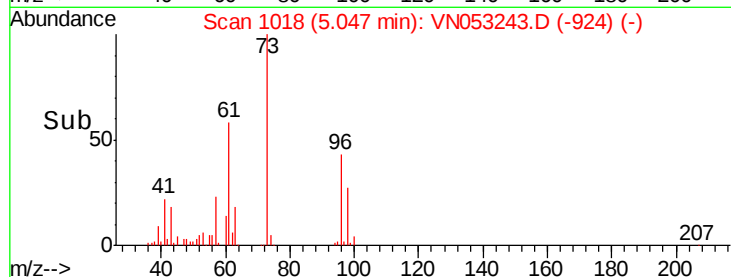
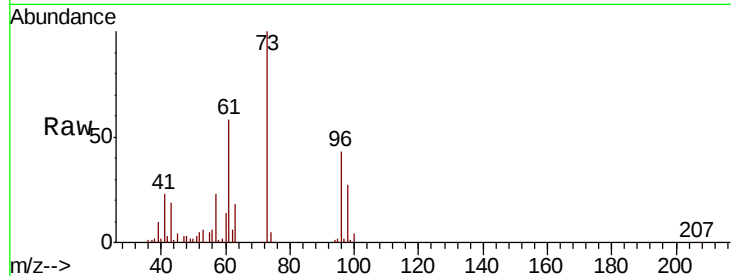


#19
Methvl tert-butvl Ether
Concen: 22.274 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

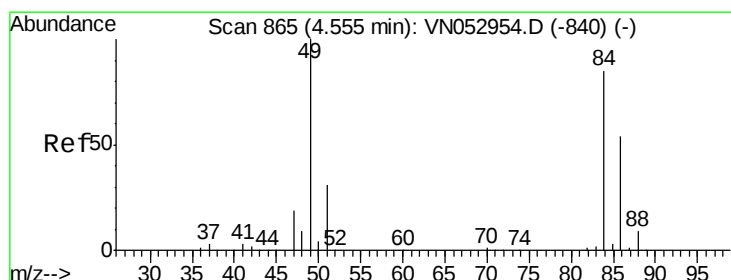
Tot Ion: 73 Resp: 514414
Ion Ratio Lower Upper
73 100
57 23.2 18.4 27.6

Manual Integrations
APPROVED



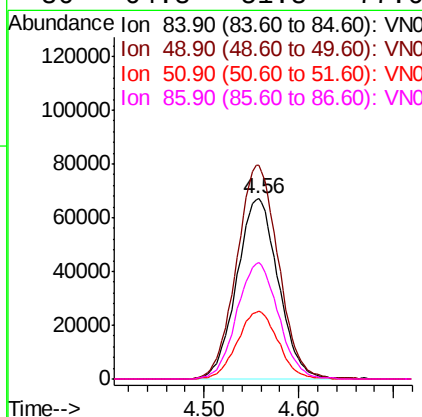
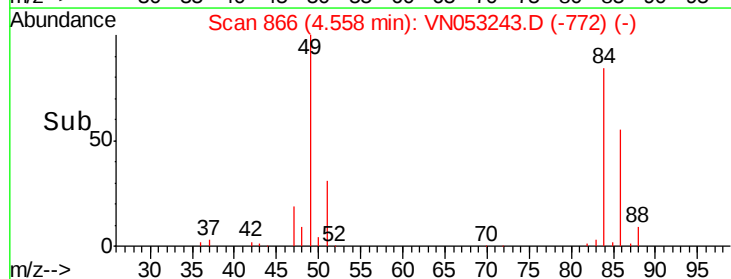
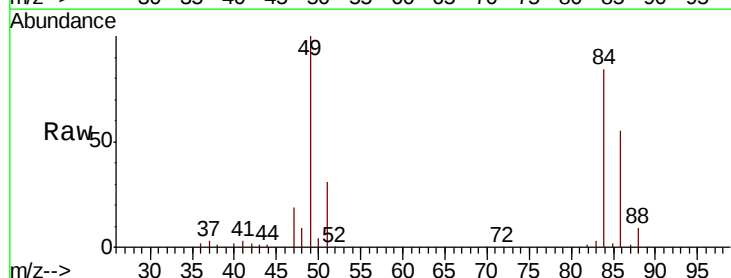
MMDadoda

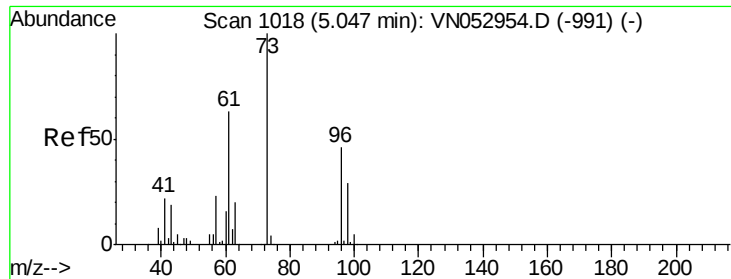
1/3/2019 9:55:43 AM



#20
Methylene Chloride
Concen: 20.792 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion: 84 Resp: 204327
Ion Ratio Lower Upper
84 100
49 118.5 96.8 145.2
51 37.3 29.9 44.9
86 64.8 51.8 77.6



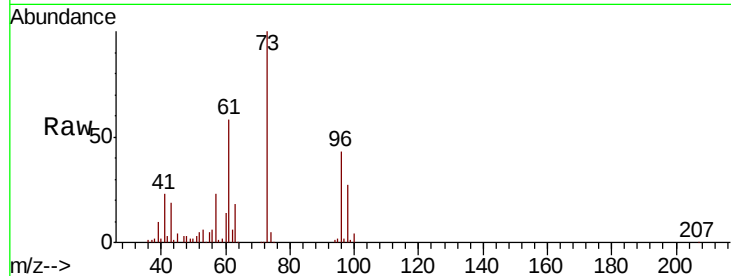


#21
trans-1,2-Dichloroethene
Concen: 20.358 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0102WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.9	110.8	166.2
98	63.2	51.4	77.2

Manual Integrations
APPROVED

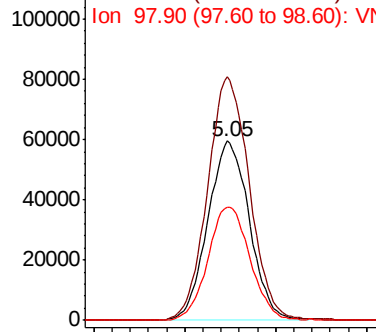


Abundance

Ion 95.90 (95.60 to 96.60): VN0

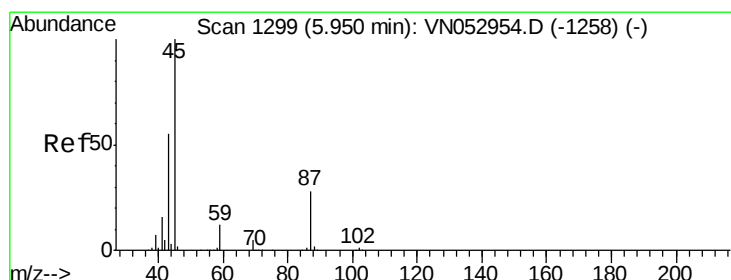
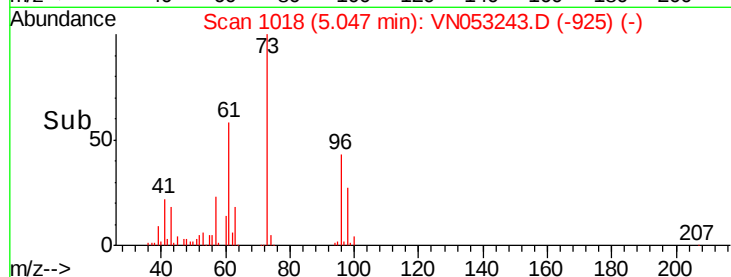
Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



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1/3/2019 9:55:43 AM



#22
Diisopropyl ether
Concen: 22.708 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.4	45.5	68.3
87	28.8	22.0	33.0
59	11.8	9.4	14.0

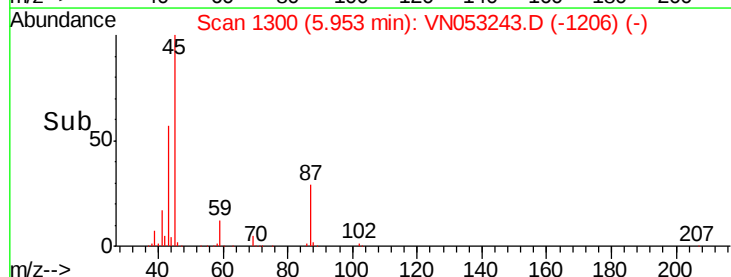
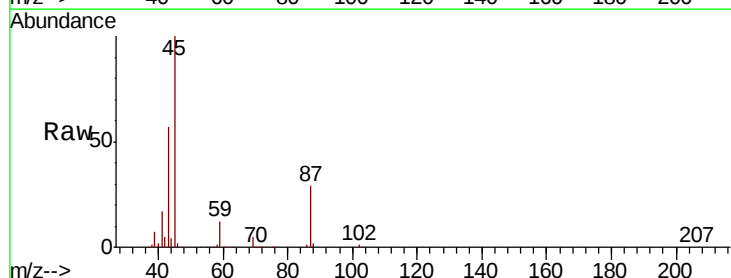
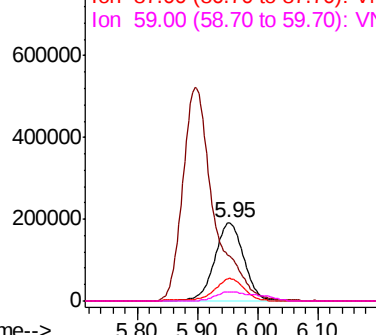
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



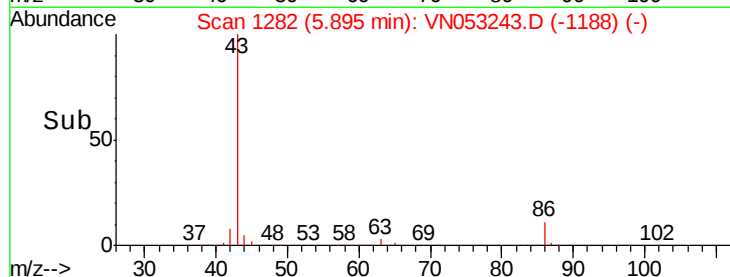
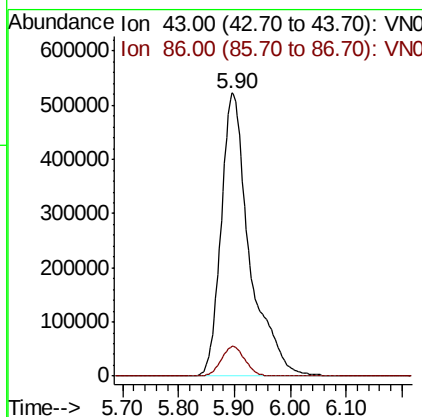
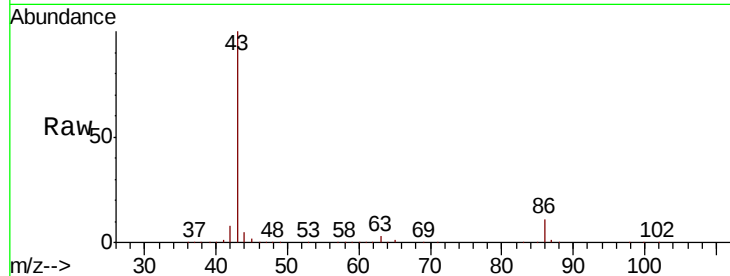


#23
 Vinyl Acetate
 Concen: 113.283 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0102WBSD02

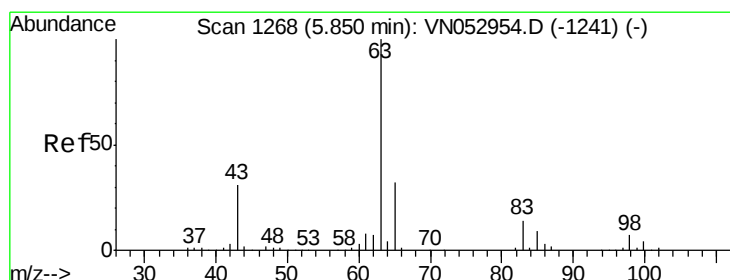
Tot Ion: 43 Resp: 1858697
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.1 12.1

Manual Integrations
 APPROVED



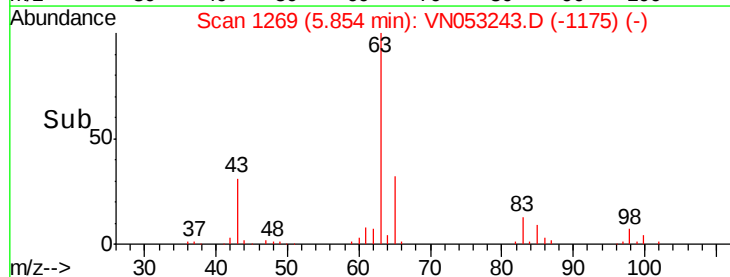
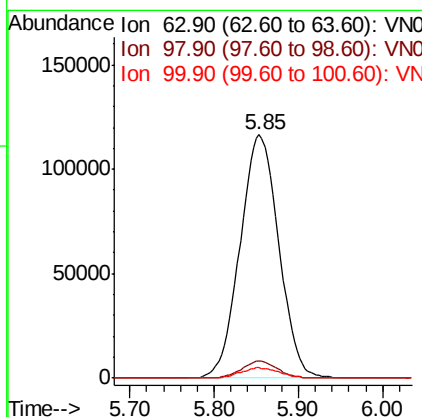
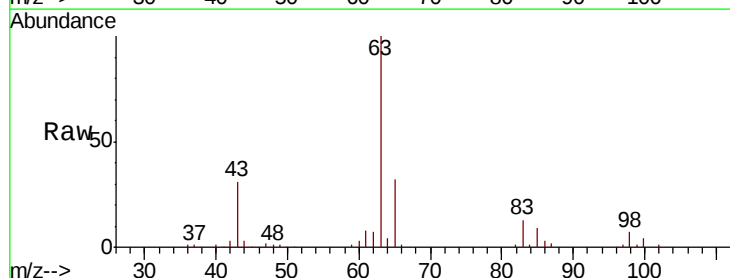
MMDadoda

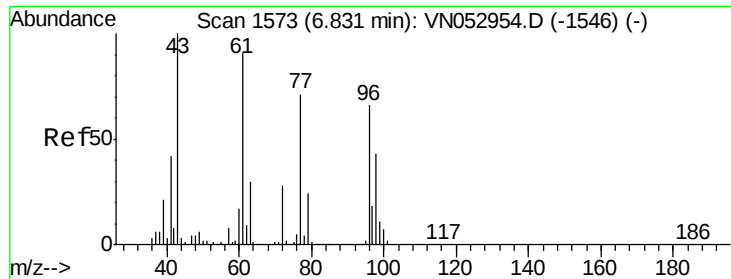
1/3/2019 9:55:43 AM



#24
 1,1-Dichloroethane
 Concen: 21.934 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion: 63 Resp: 371895
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.1 9.4
 100 4.3 2.0 5.8



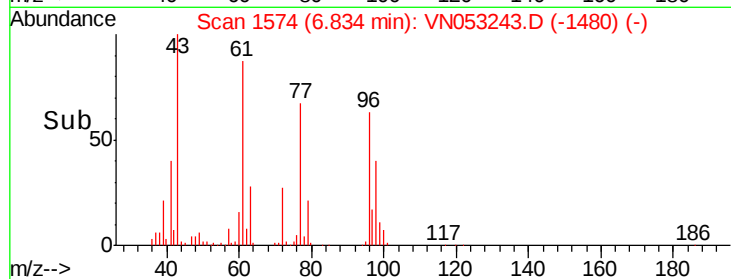
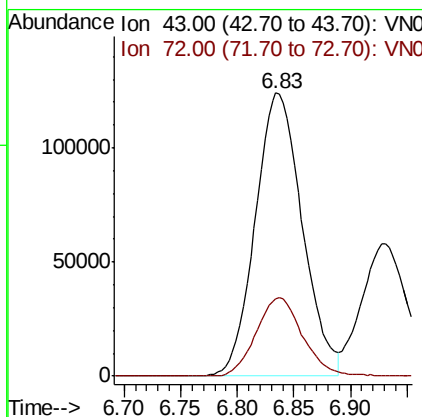
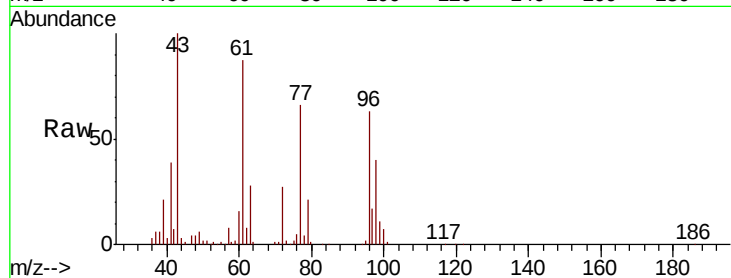


#25
2-Butanone
Concen: 117.857 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

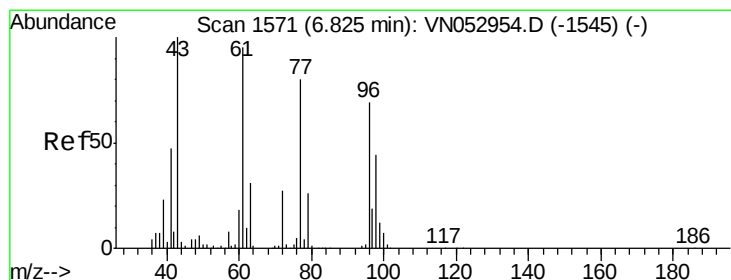
Tot Ion: 43 Resp: 356338
Ion Ratio Lower Upper
43 100
72 27.4 21.0 31.6

Manual Integrations
APPROVED



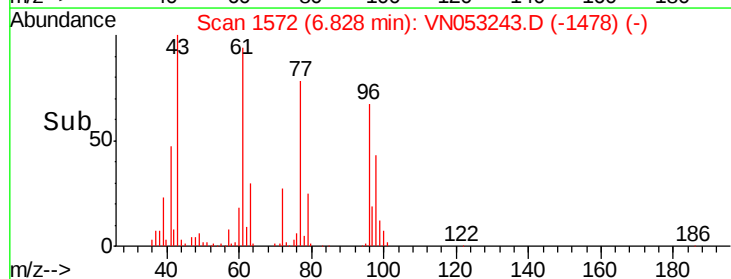
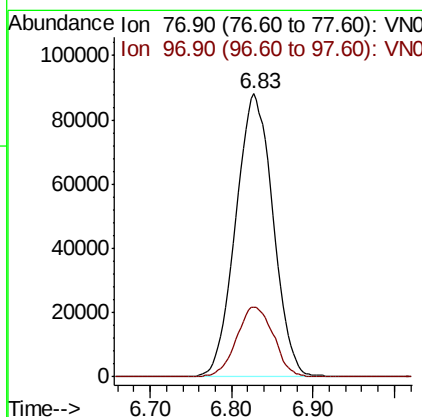
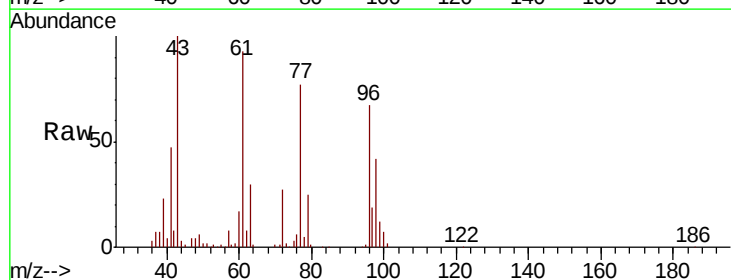
MMDadoda

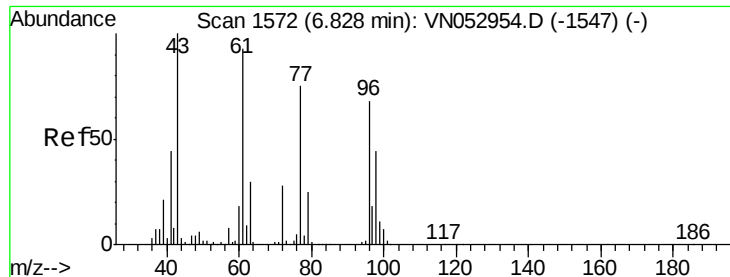
1/3/2019 9:55:43 AM



#26
2,2-Dichloropropane
Concen: 21.574 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion: 77 Resp: 279238
Ion Ratio Lower Upper
77 100
97 24.5 11.9 35.9



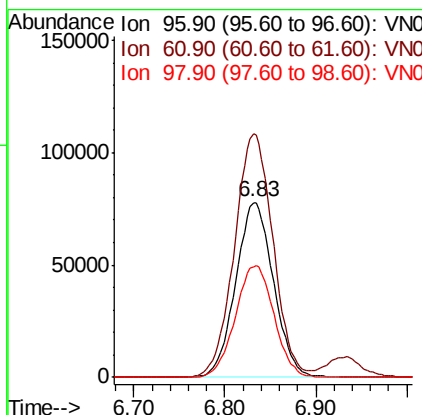
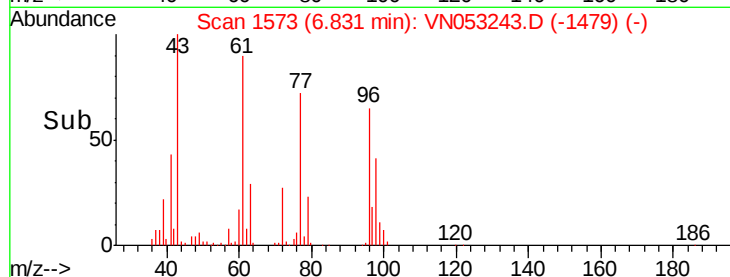
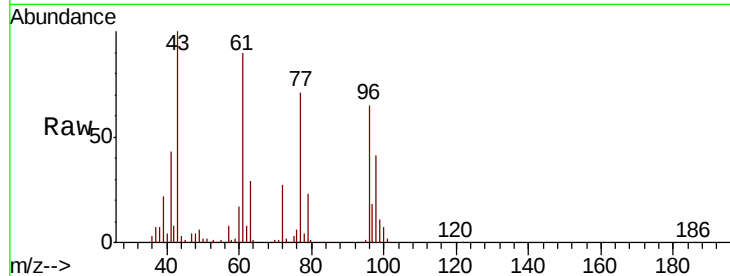


#27
 cis-1,2-Dichloroethene
 Concen: 21.403 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

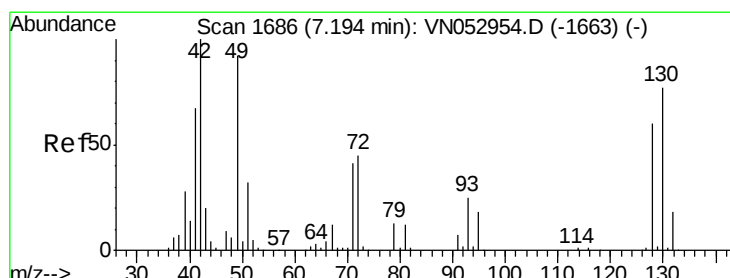
Tot Ion	Ratio	Resp	Lower	Upper
96	100	224676		
61	141.6	0.0	284.2	
98	65.4	0.0	129.2	

Manual Integrations
 APPROVED



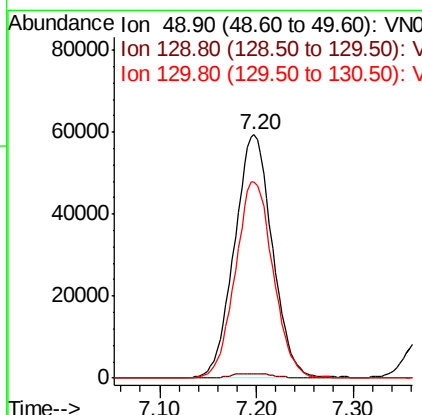
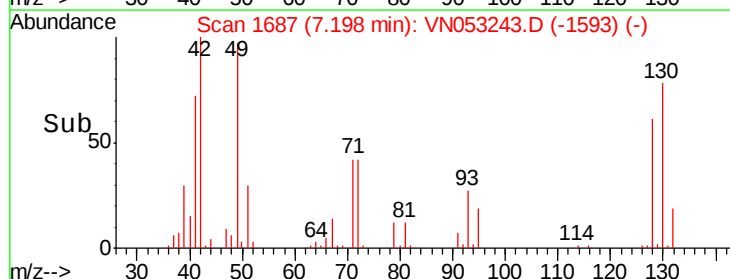
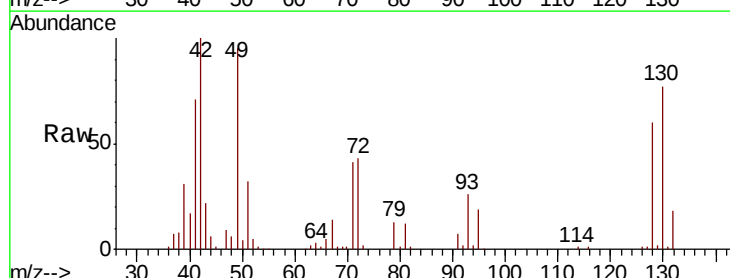
MMDadoda

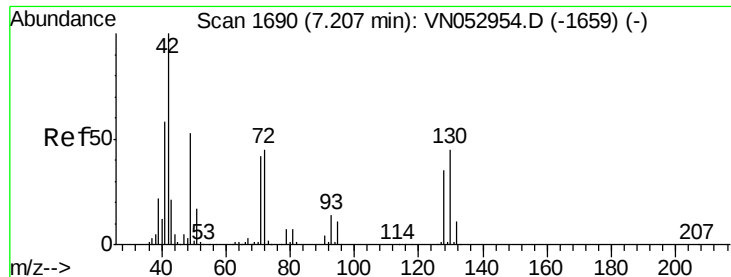
1/3/2019 9:55:43 AM



#28
 Bromochloromethane
 Concen: 22.015 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	161747		
129	1.9	0.0	4.0	
130	80.1	63.3	94.9	



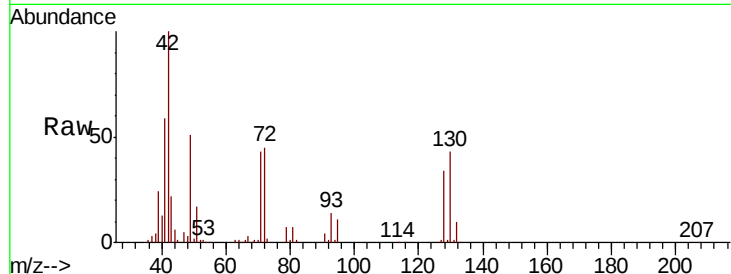


#29
Tetrahydrofuran
Concen: 109.763 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.7	52.1
71	41.3	32.3	48.5

Manual Integrations
APPROVED

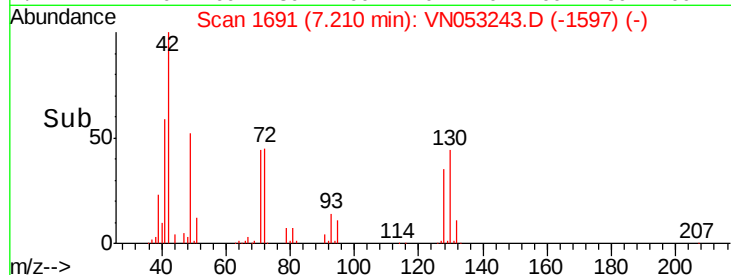
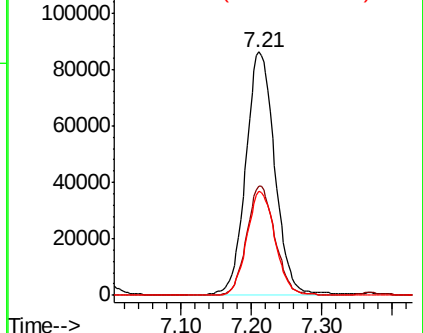


Abundance

Ion 42.00 (41.70 to 42.70): VN0

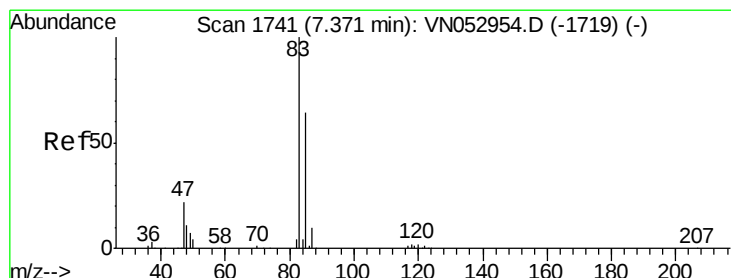
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



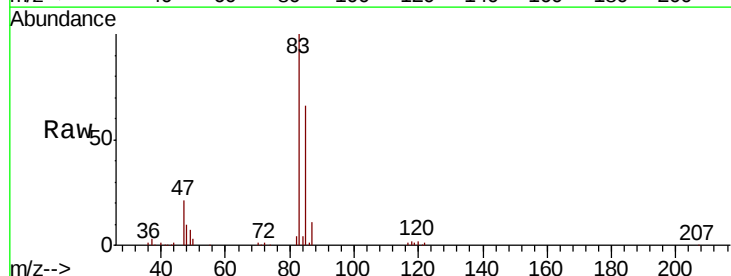
MMDadoda

1/3/2019 9:55:43 AM



#30
Chloroform
Concen: 21.992 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

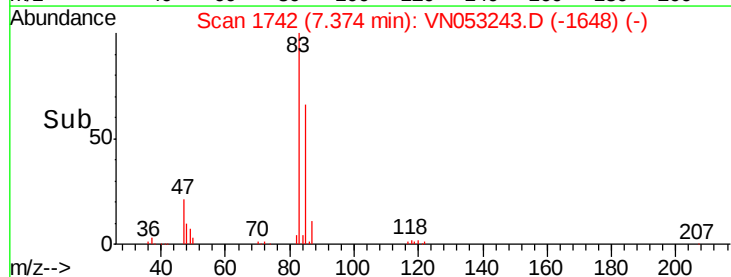
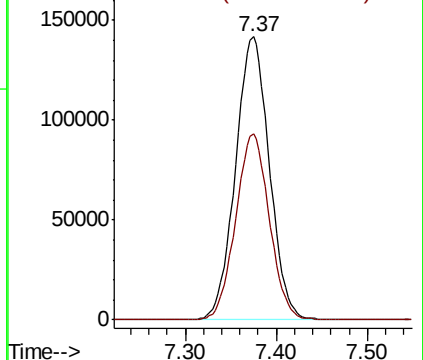
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.1	78.1

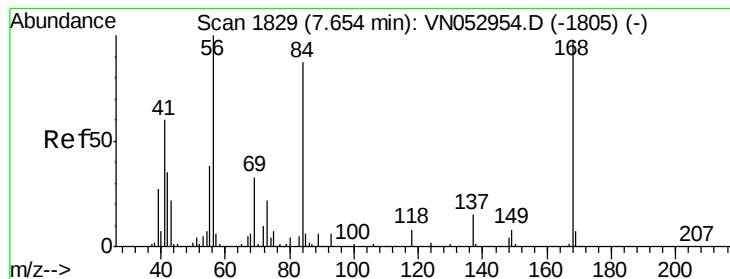


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.369 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

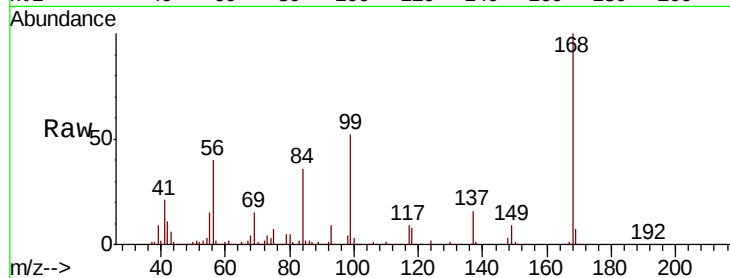
MSVOA_N

ClientSampled :

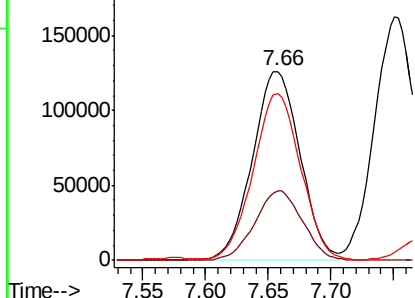
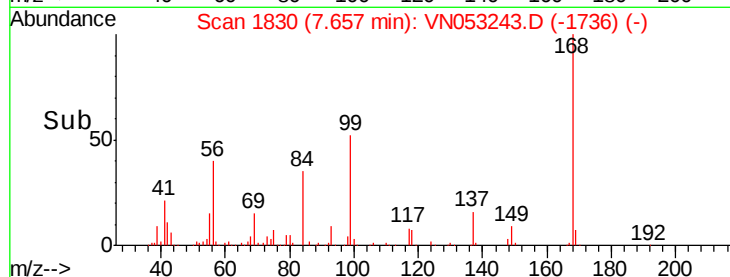
VN0102WBSD02

Tot Ion:	56	Resp:	333816
Ion Ratio	Lower	Upper	
56	100		
69	36.8	26.6	39.8
84	87.5	68.4	102.6

Manual Integrations
APPROVED

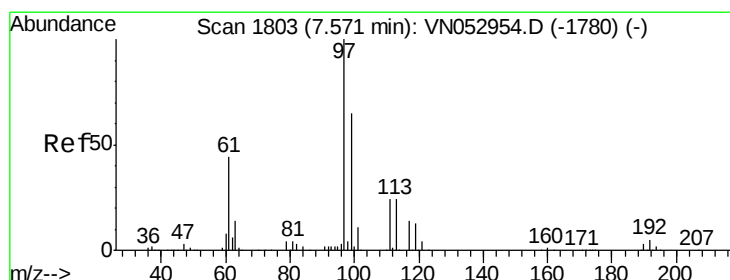


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



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1/3/2019 9:55:43 AM



#32

1,1,1-Trichloroethane

Concen: 21.200 ug/l

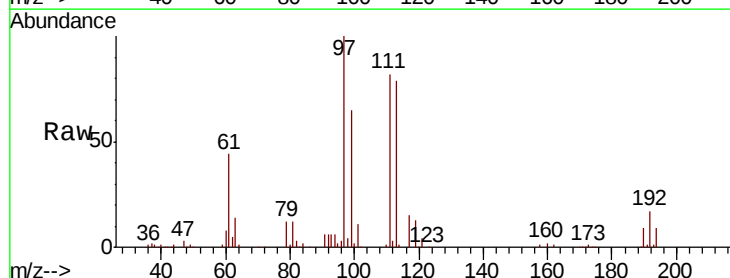
RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

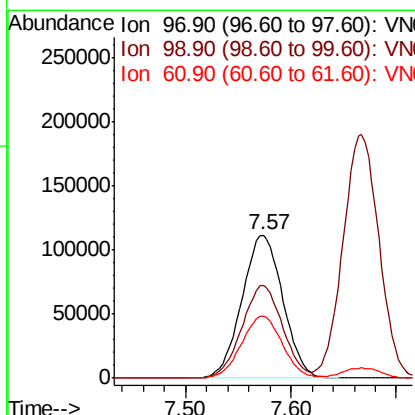
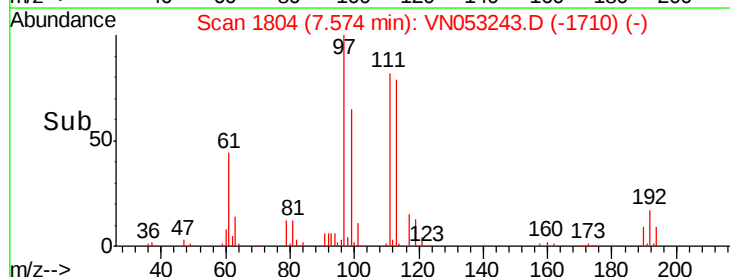
Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Tgt Ion:	97	Resp:	300800
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.1	76.7
61	43.4	35.0	52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0



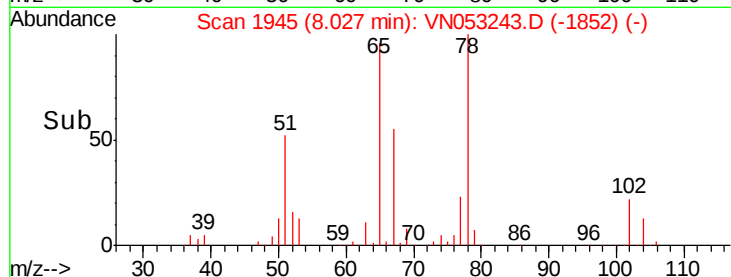
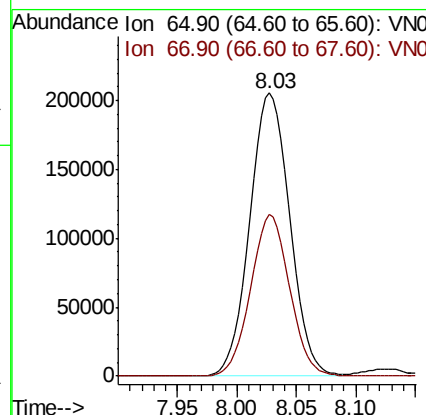
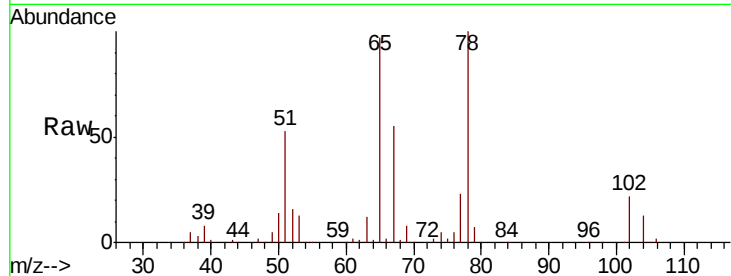


#33
 1,2-Dichloroethane-d4
 Concen: 21.200 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0102WBSD02

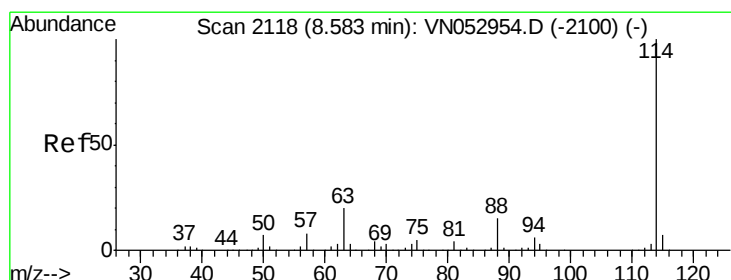
Tot Ion: 65 Resp: 479257
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4

Manual Integrations
 APPROVED



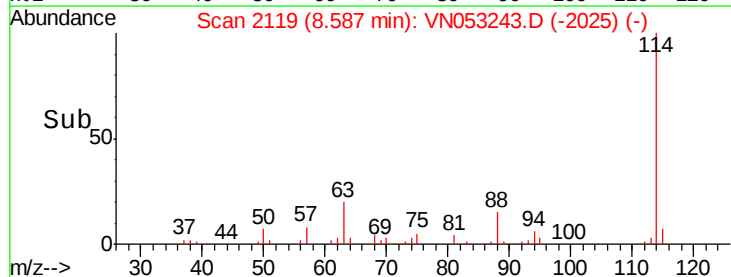
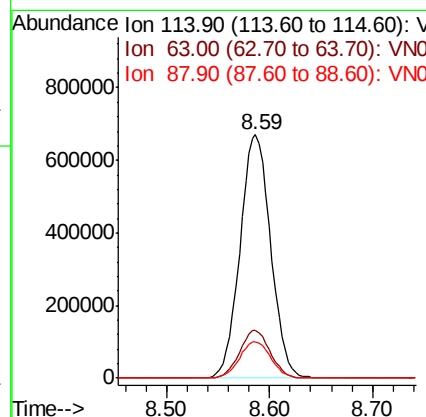
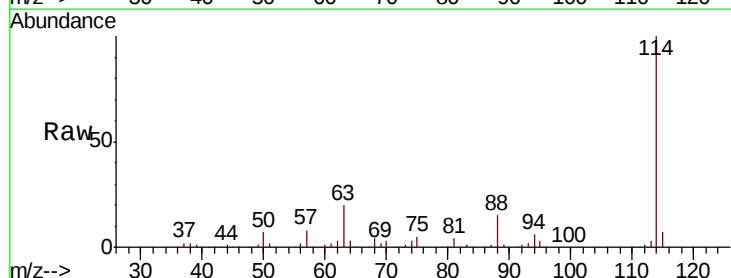
MMDadoda

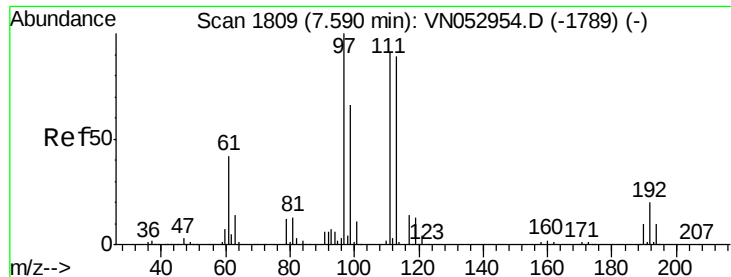
1/3/2019 9:55:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion: 114 Resp: 1386376
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.0 0.0 31.0



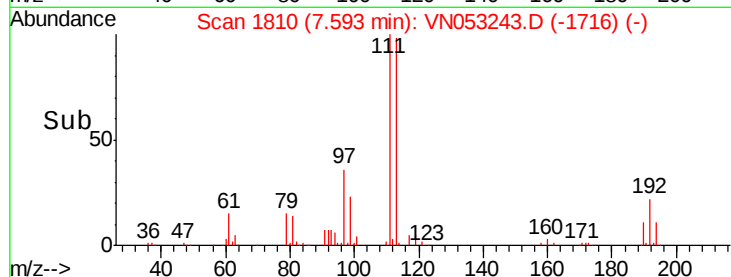
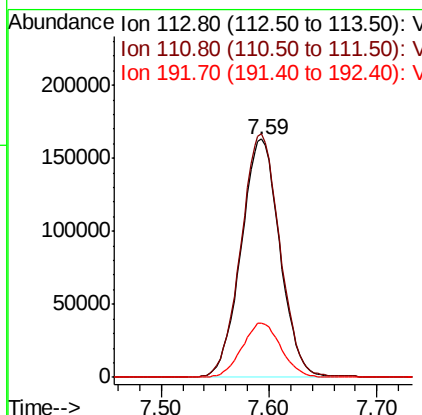
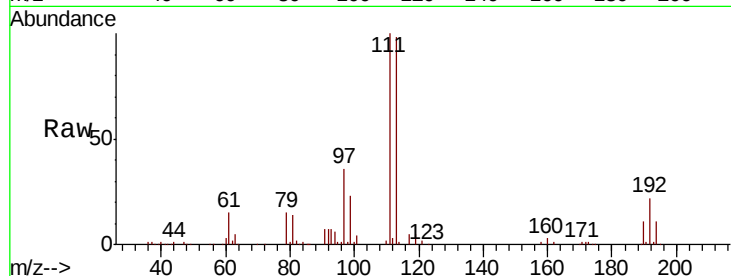


#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0102WBSD02

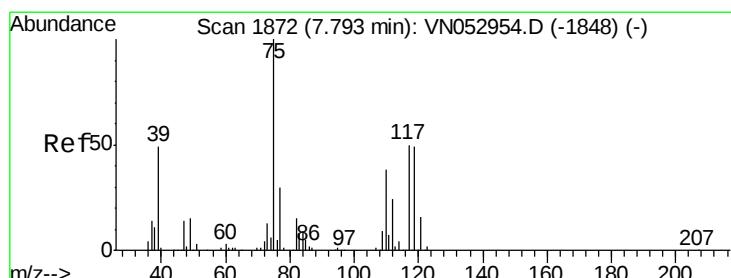
Tot Ion	Ratio	Resp	Lower	Upper
113	100	406704		
111	103.2	83.0	124.4	
192	22.9	17.5	26.3	

Manual Integrations
APPROVED



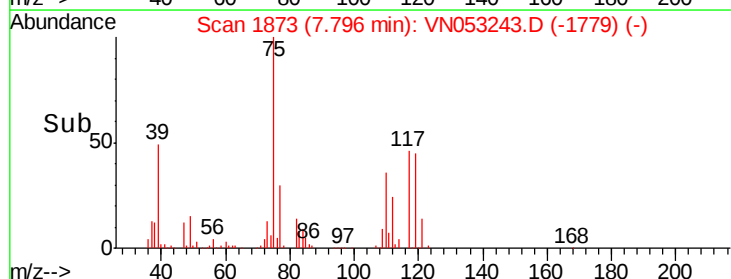
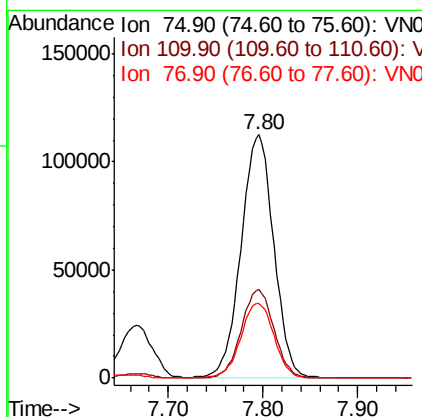
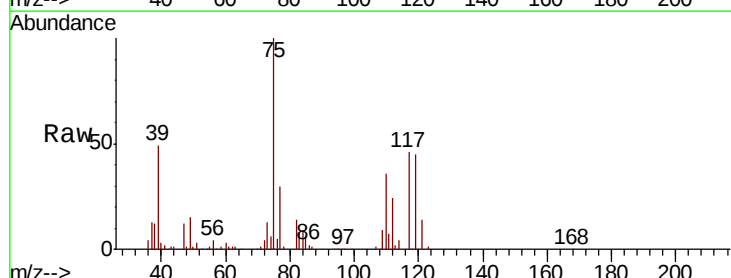
MMDadoda

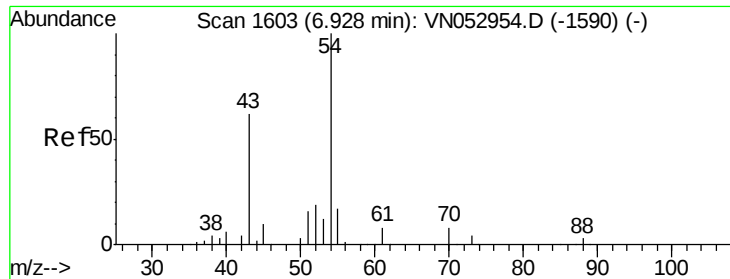
1/3/2019 9:55:43 AM



#36
1,1-Dichloropropene
Concen: 20.292 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	270020		
110	36.4	18.2	54.6	
77	31.3	24.9	37.3	



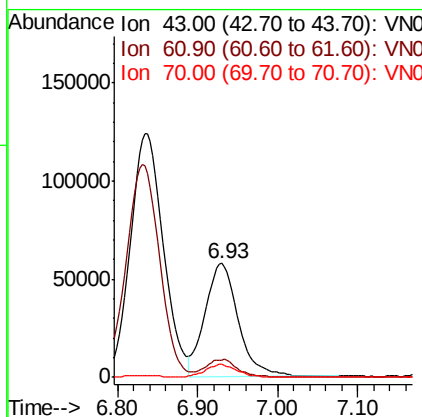
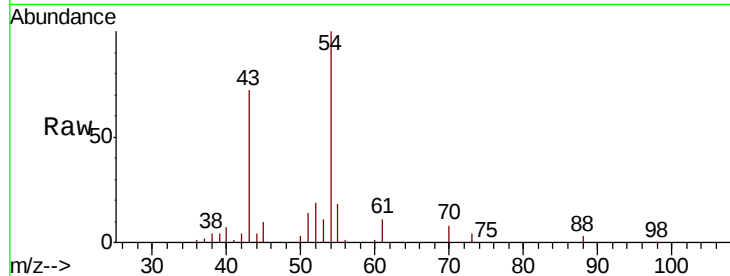


#37
Ethyl Acetate
Concen: 22.489 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0102WBSD02

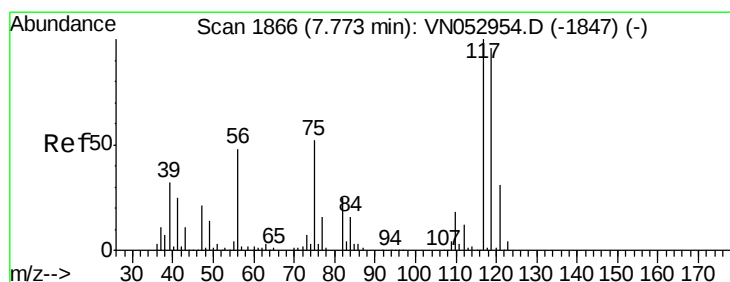
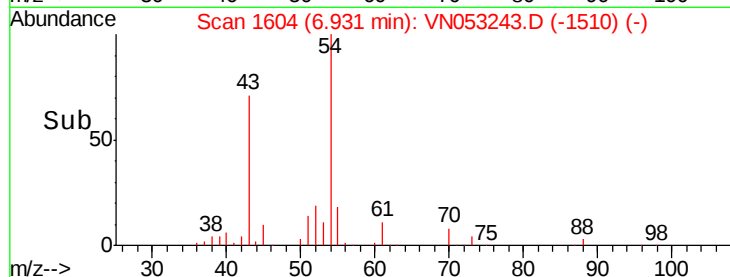
Tot Ion	43	Resp	167061
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.6
70	10.9	8.4	12.6

Manual Integrations
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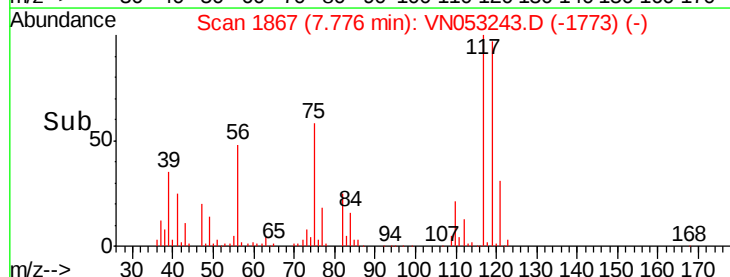
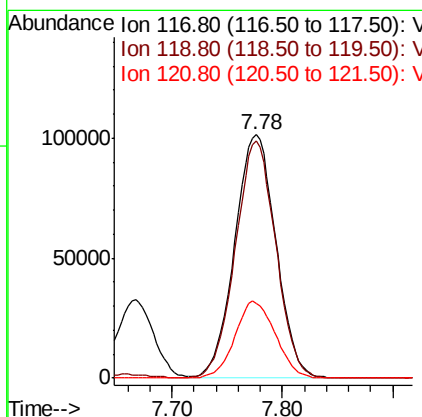
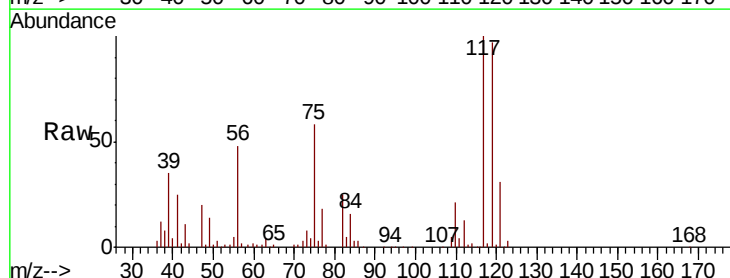
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1/3/2019 9:55:43 AM



#38
Carbon Tetrachloride
Concen: 21.433 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	117	Resp	261420
Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.1	115.7
121	31.0	24.9	37.3



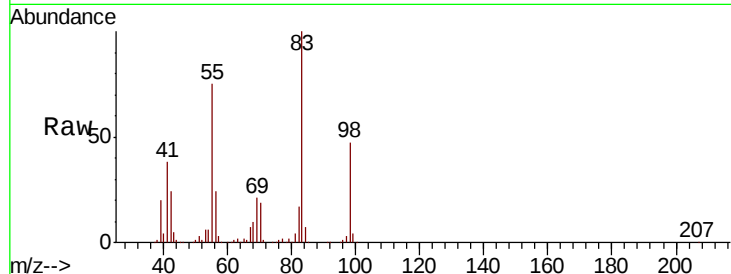


#39
Methvlcvclohexane
Concen: 18.996 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

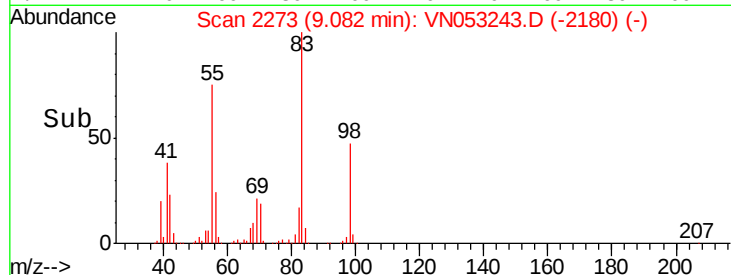
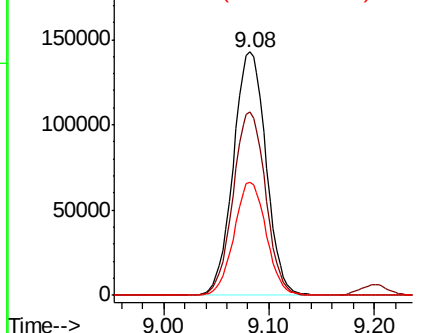
Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	61.3	91.9
98	46.5	37.0	55.4

Manual Integrations
APPROVED

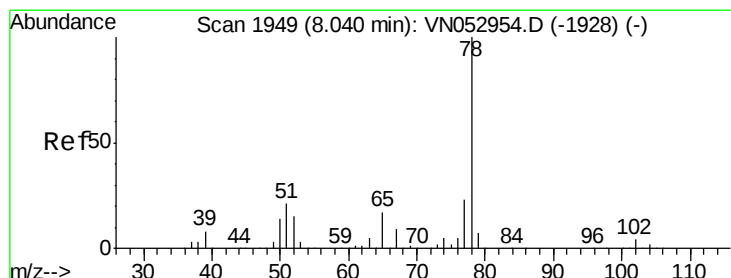


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0



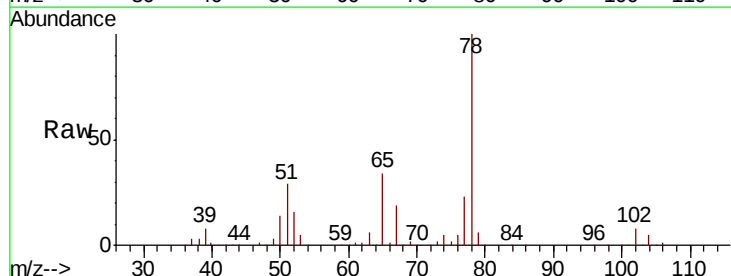
MMDadoda

1/3/2019 9:55:43 AM

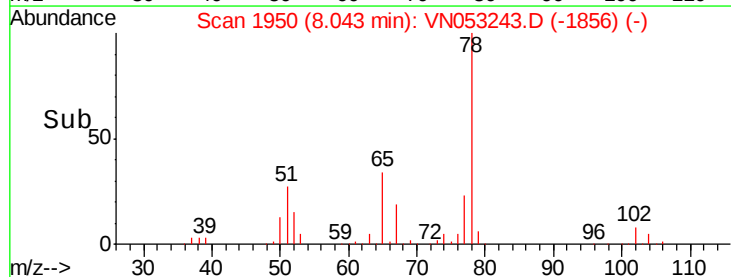
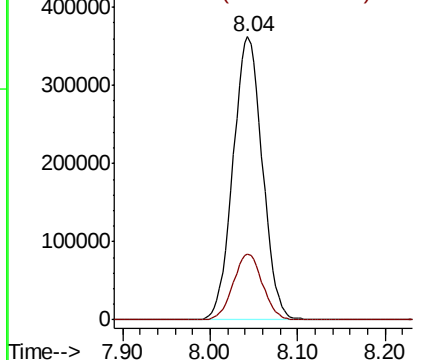


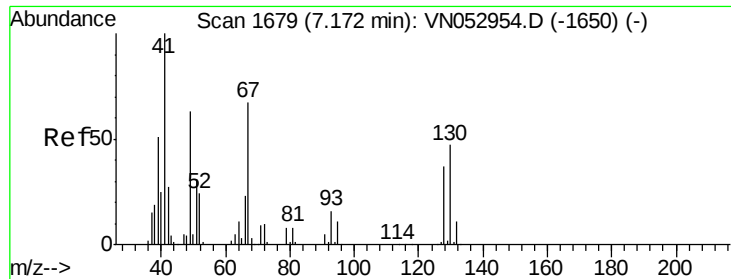
#40
Benzene
Concen: 21.329 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.5	27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0



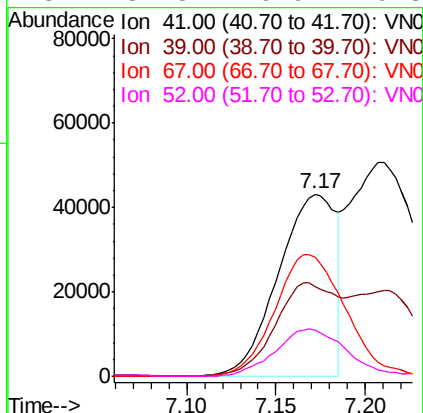
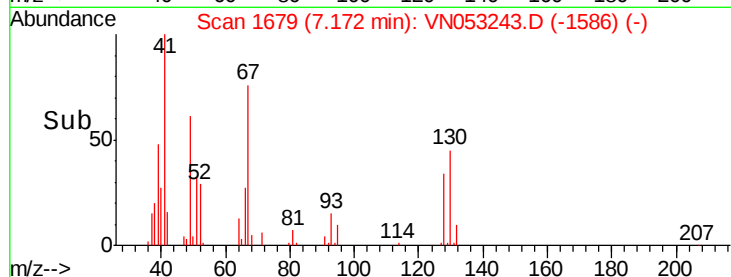
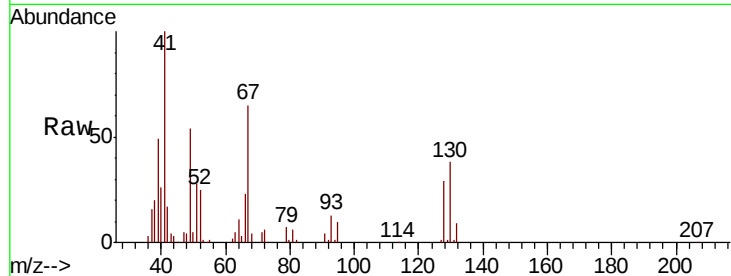


#41
Methacrylonitrile
Concen: 22.590 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0102WBSD02

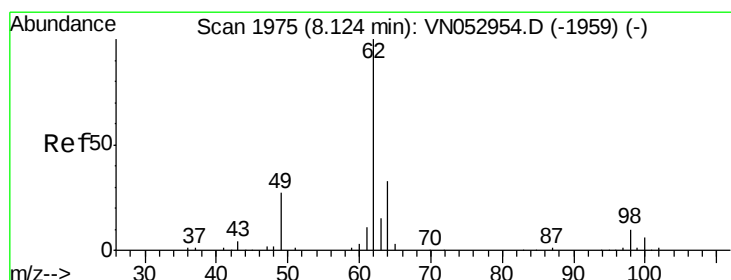
Tot Ion	Ratio	Lower	Upper
41	100		
39	56.0	48.0	72.0
67	82.5	70.3	105.5
52	32.3	26.9	40.3

Manual Integrations
APPROVED



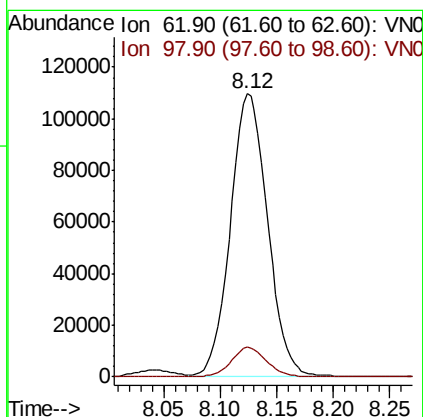
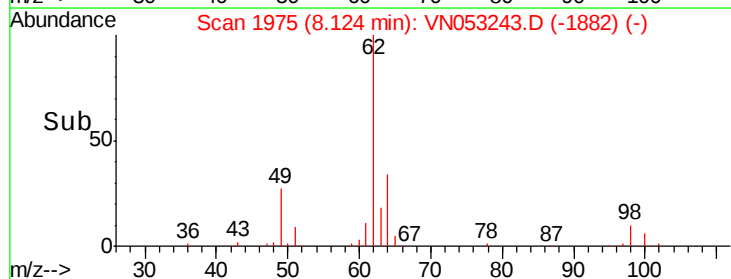
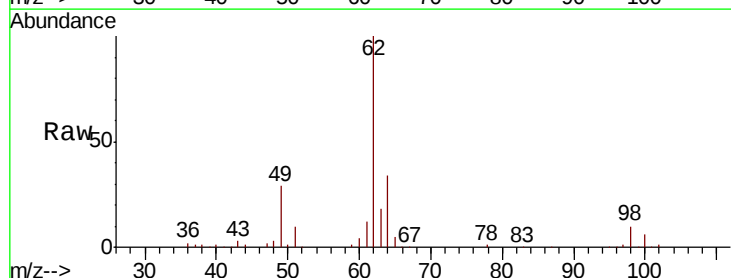
MMDadoda

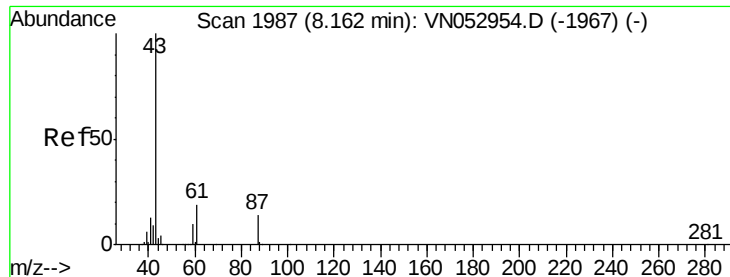
1/3/2019 9:55:43 AM



#42
1,2-Dichloroethane
Concen: 21.365 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0



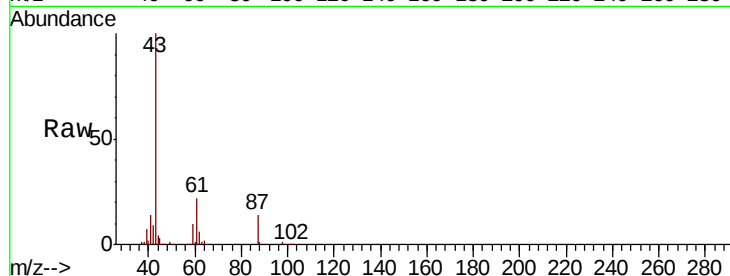


#43
Isopropyl Acetate
Concen: 21.328 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

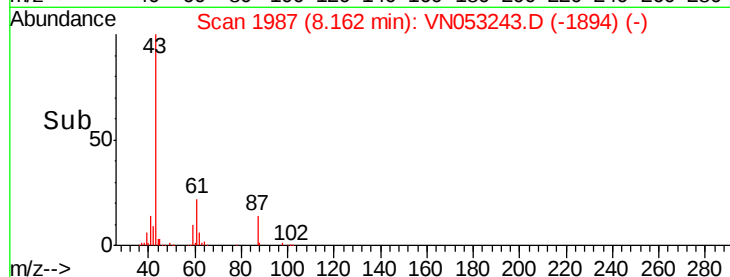
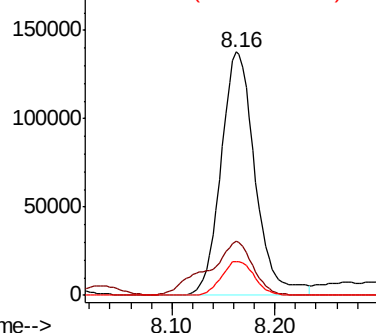
Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	22.9	34.3
87	13.4	10.6	15.8

Manual Integrations
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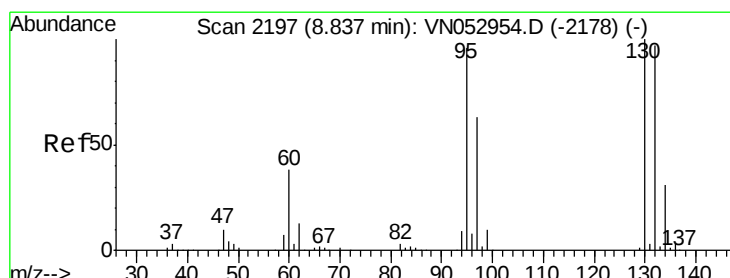


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)
Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)
Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)



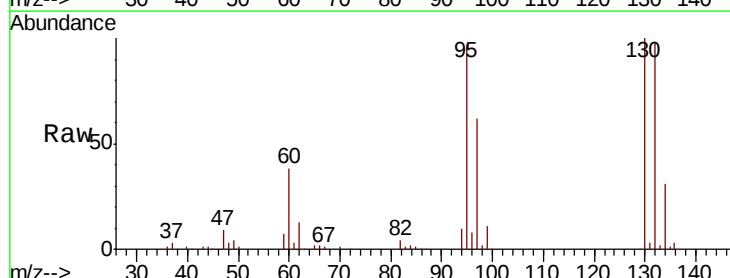
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1/3/2019 9:55:43 AM

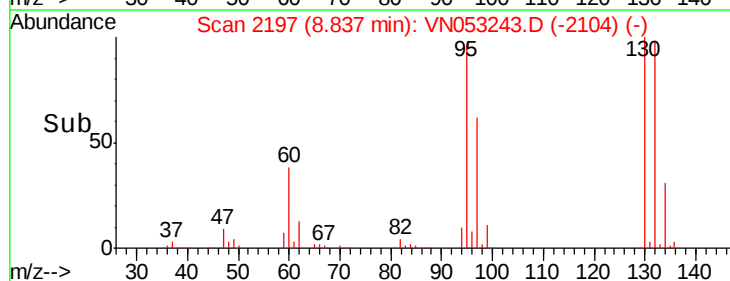
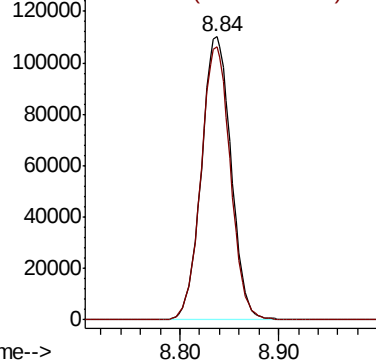


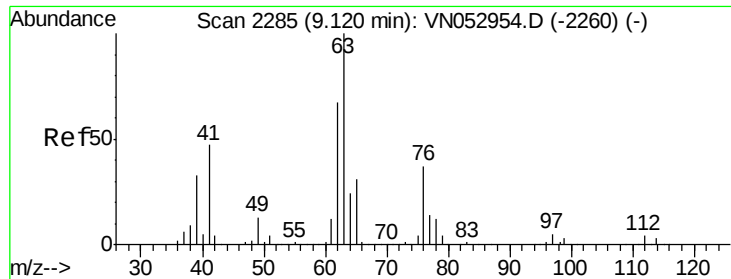
#44
Trichloroethene
Concen: 20.103 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)
Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)



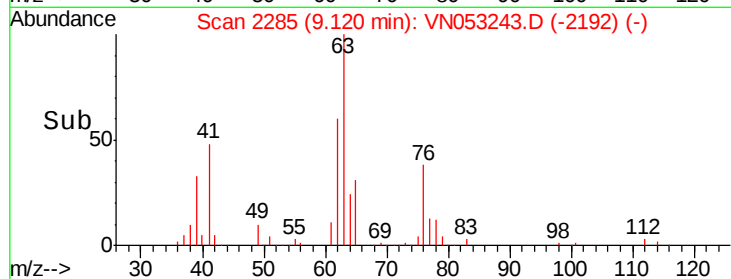
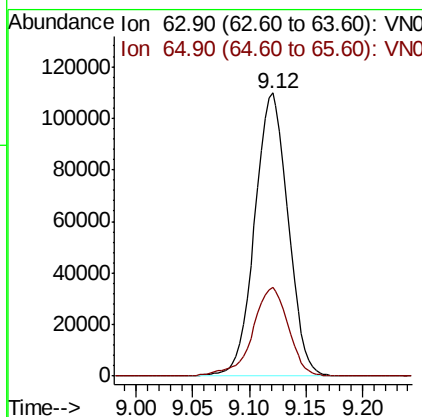
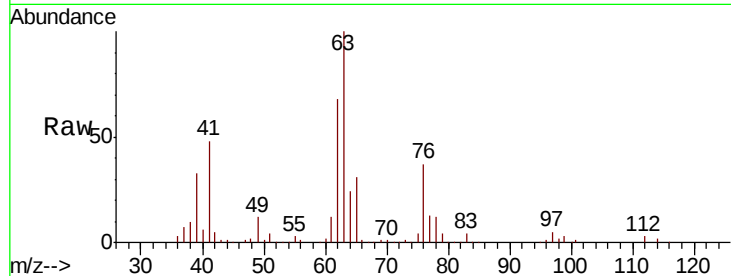


#45
 1,2-Dichloropropane
 Concen: 21.837 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0102WBSD02

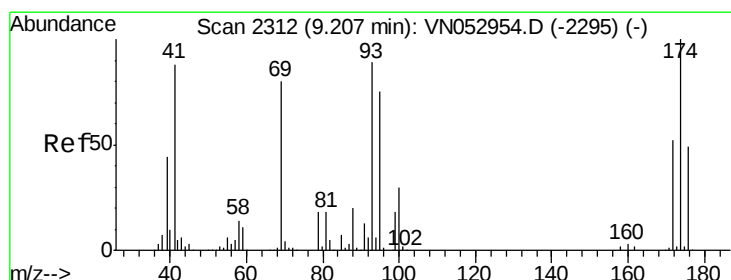
Tot Ion: 63 Resp: 225132
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 37.0

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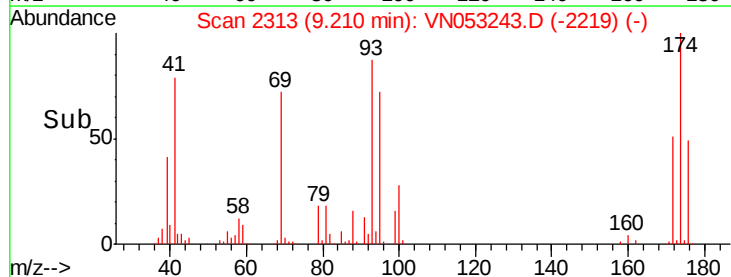
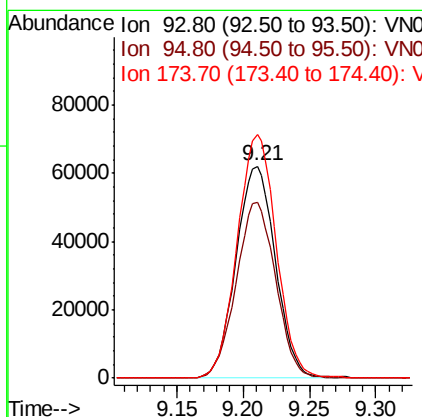
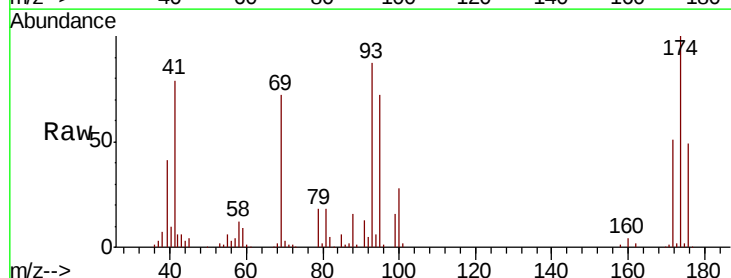
MMDadoda

1/3/2019 9:55:43 AM



#46
 Dibromomethane
 Concen: 21.387 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion: 93 Resp: 128446
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.8 101.6
 174 113.9 89.0 133.4



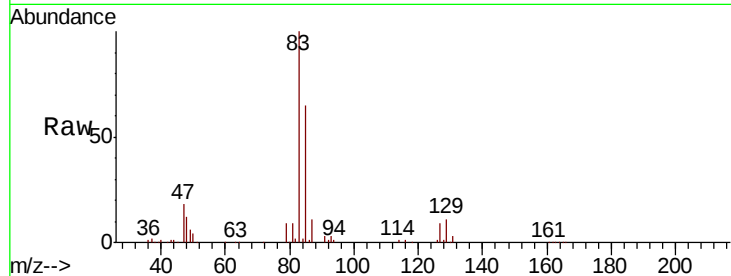


#47
Bromodichloromethane
Concen: 21.880 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

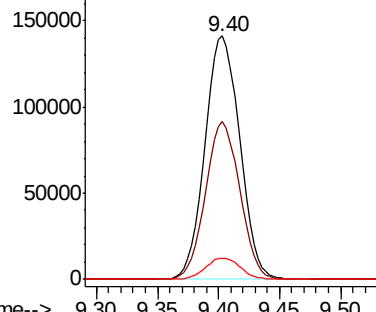
Instrument :
MSVOA_N
ClientSampled :
VN0102WBSD02

Tot Ion	83	Resp	279330
Ion Ratio	100		
85	64.6	51.6	77.4
127	8.7	7.1	10.7

Manual Integrations
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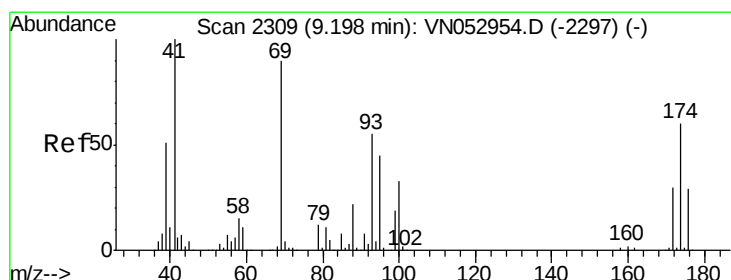
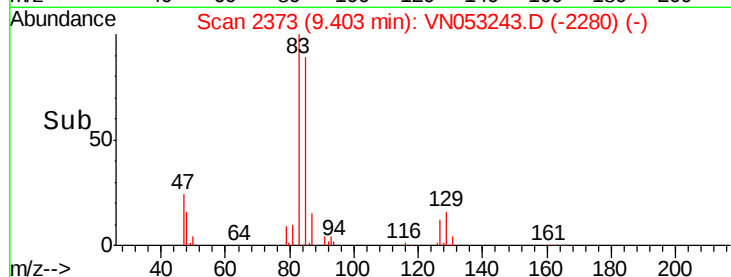


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



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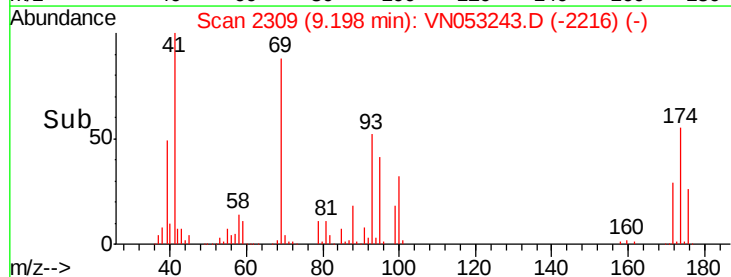
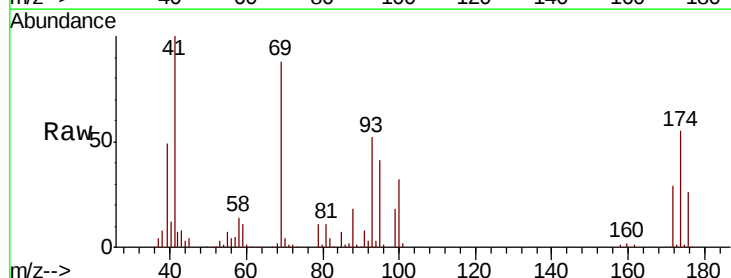
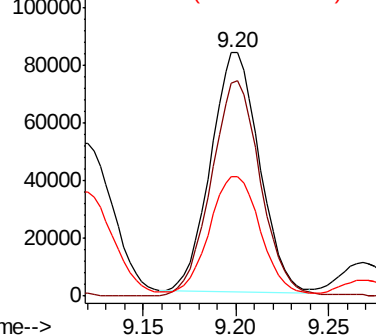
1/3/2019 9:55:43 AM

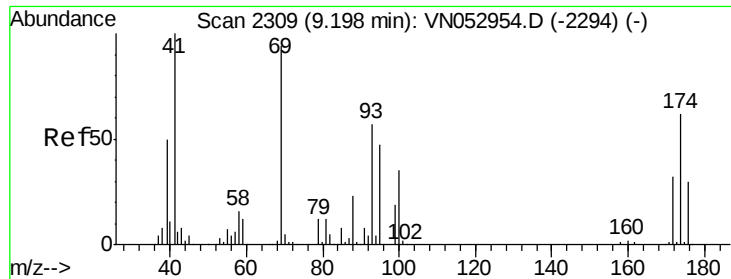


#48
Methyl methacrylate
Concen: 21.094 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	41	Resp	152051
Ion Ratio	100		
69	91.3	72.2	108.2
39	52.9	41.9	62.9

Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



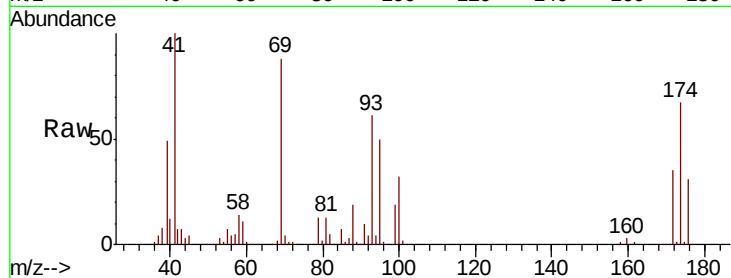


#49
1,4-Dioxane
Concen: 373.018 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0102WBSD02

Tot Ion	88	Resp	34013
Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.6	40.0
58	73.0	58.4	87.6

Manual Integrations
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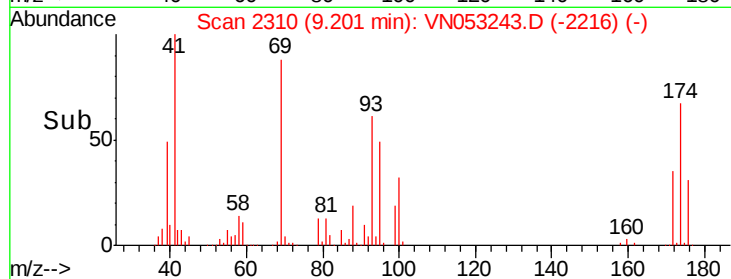
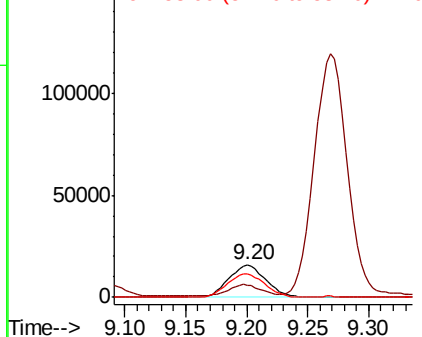


Abundance

Ion 88.00 (87.70 to 88.70): VN053243.D (-2216) (-)

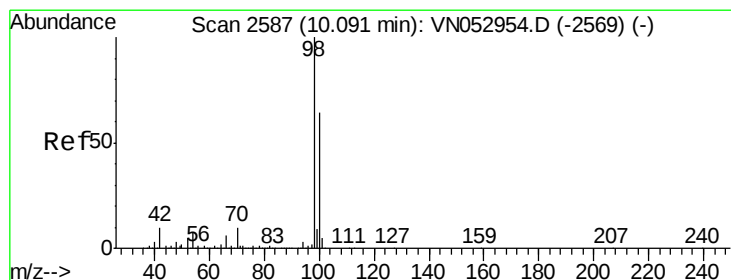
Ion 43.00 (42.70 to 43.70): VN053243.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053243.D (-2216) (-)



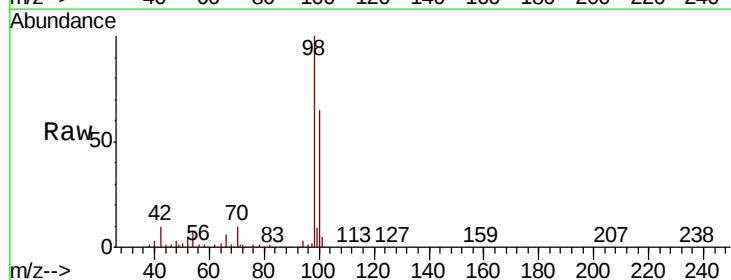
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1/3/2019 9:55:43 AM



#50
Toluene-d8
Concen: 373.018 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

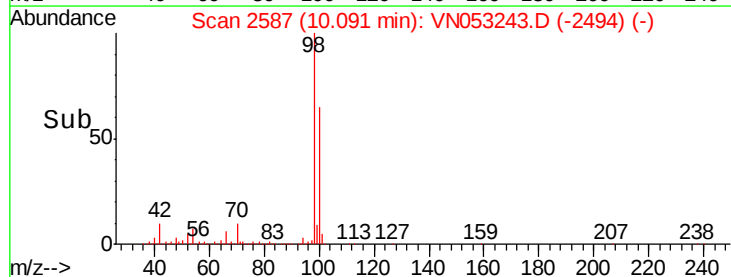
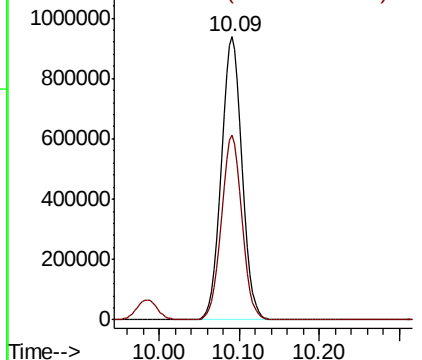
Tgt Ion	98	Resp	1682138
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.6	77.4

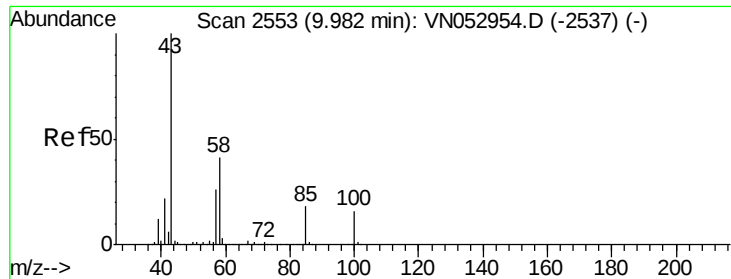


Abundance

Ion 98.00 (97.70 to 98.70): VN053243.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053243.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 111.206 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0102WBSD02

Tot Ion: 43 Resp: 800010

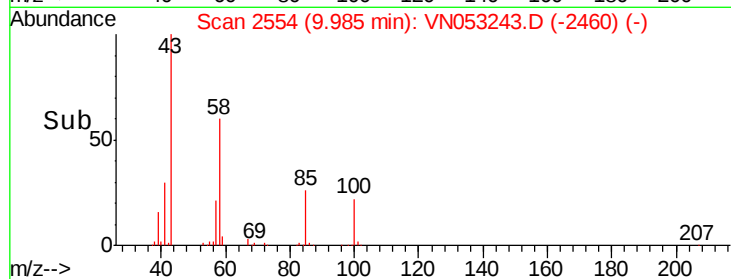
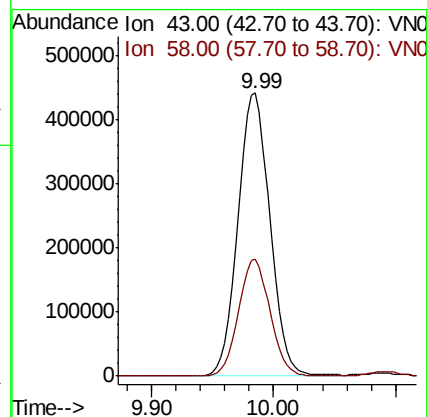
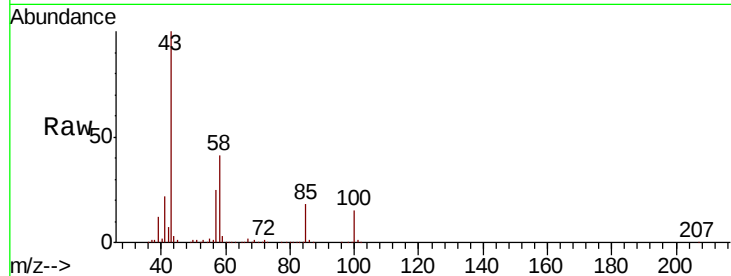
Ion Ratio Lower Upper

43 100

58 40.9 32.2 48.4

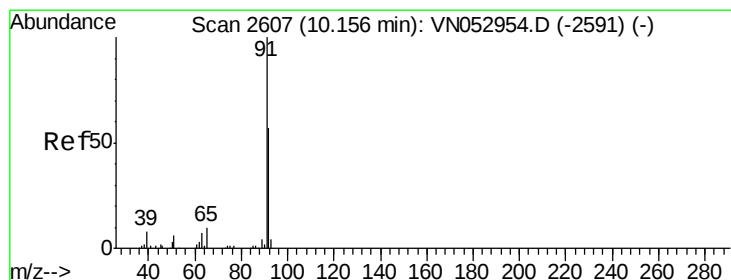
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1/3/2019 9:55:43 AM



#52

Toluene

Concen: 20.635 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053243.D

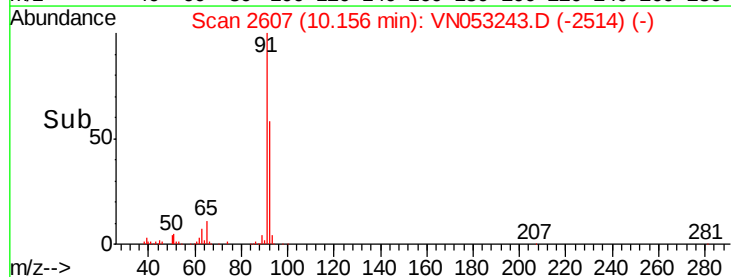
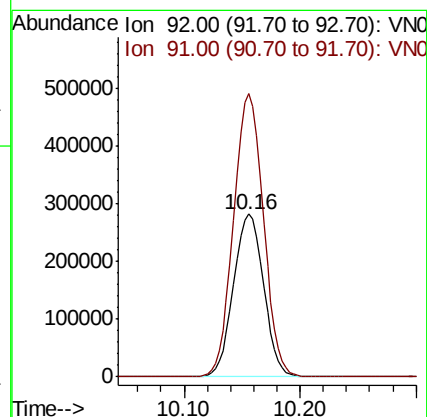
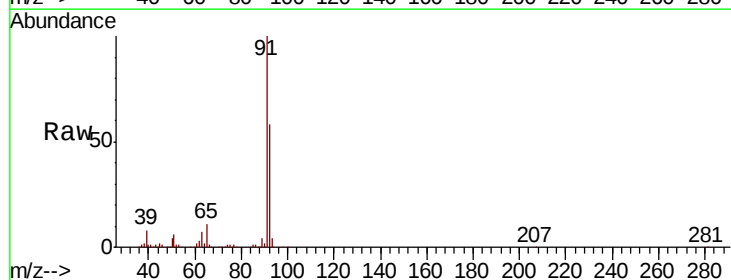
Acq: 2 Jan 2019 12:51

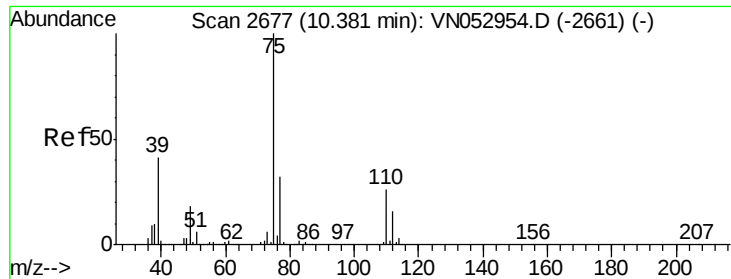
Tgt Ion: 92 Resp: 506242

Ion Ratio Lower Upper

92 100

91 172.6 139.8 209.6



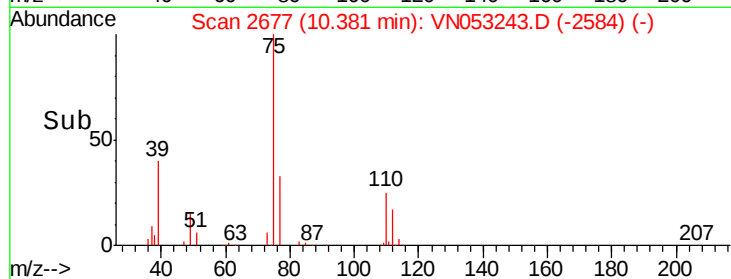
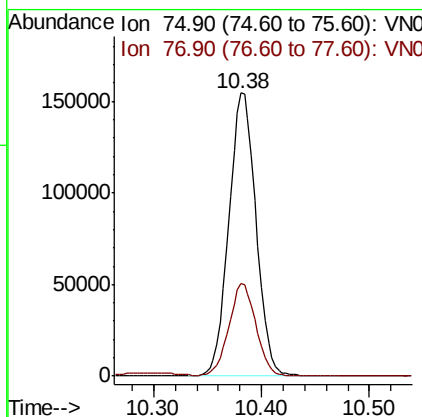
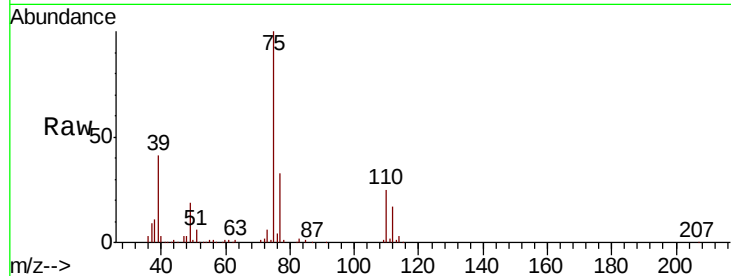


#53
t-1,3-Dichloropropene
Concen: 20.270 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0102WBSD02

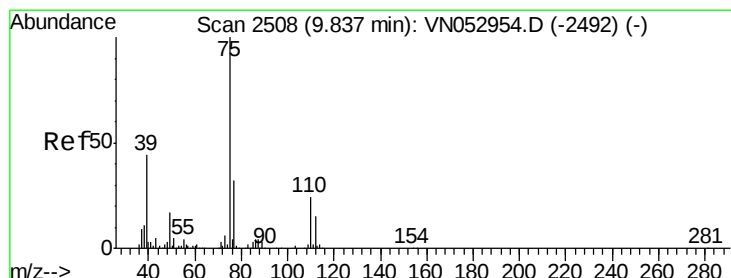
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.6	38.4

Manual Integrations
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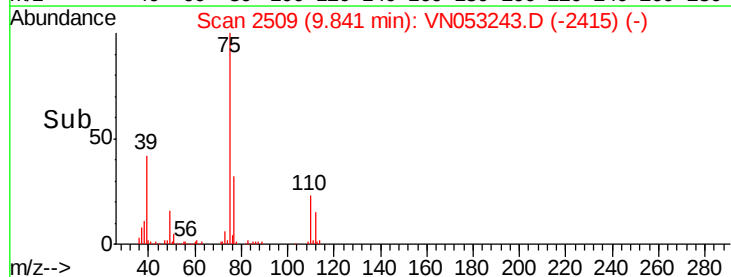
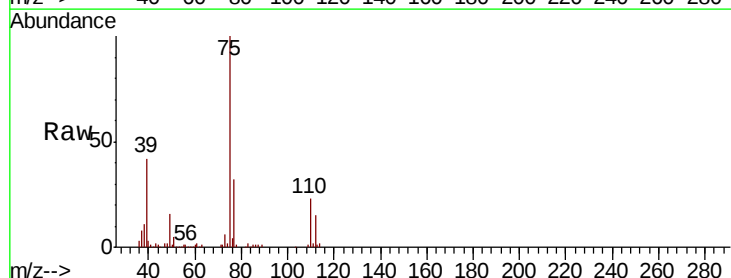
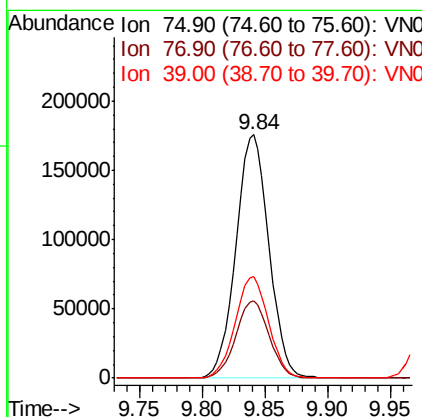
MMDadoda

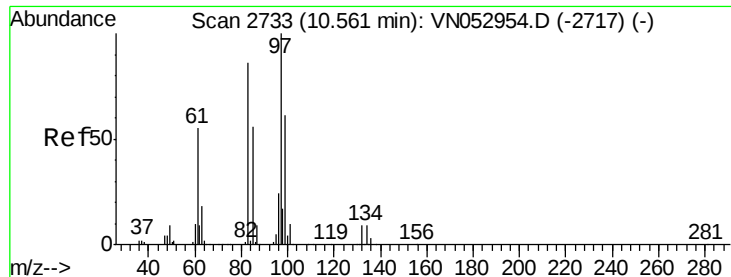
1/3/2019 9:55:43 AM



#54
cis-1,3-Dichloropropene
Concen: 20.830 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.8
39	41.5	34.8	52.2



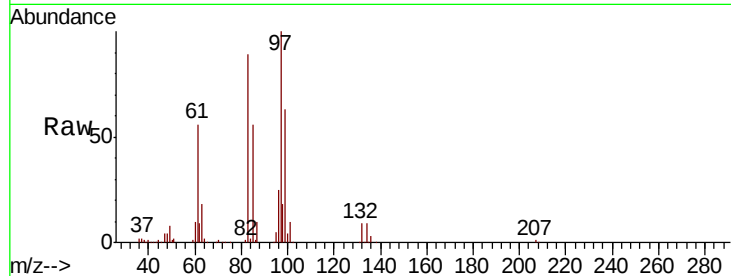


#55
 1,1,2-Trichloroethane
 Concen: 21.958 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0102WBSD02

Tot Ion	97	Resp	187937
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.9	106.3
85	55.7	45.4	68.2
99	63.1	50.4	75.6

Manual Integrations
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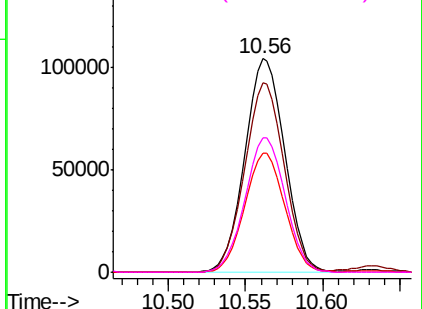
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

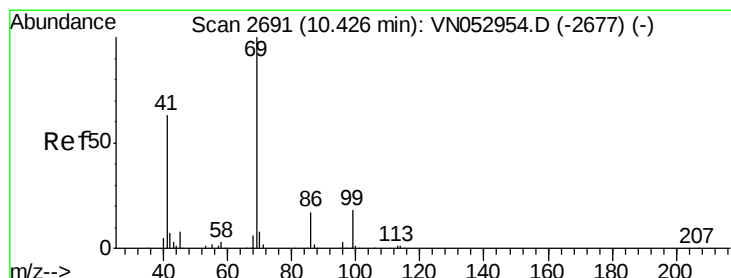
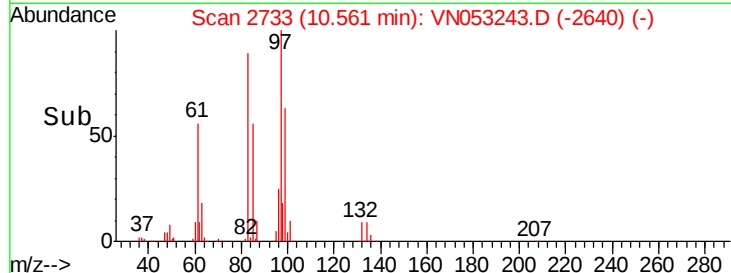
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



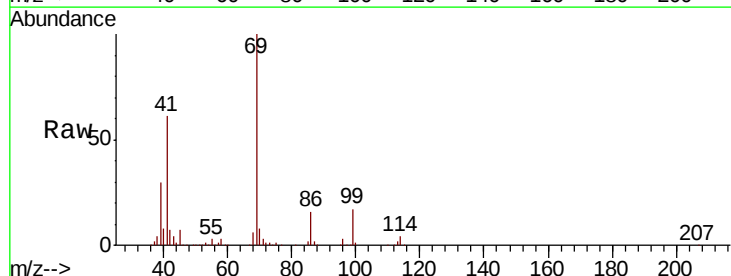
MMDadoda

1/3/2019 9:55:43 AM



#56
 Ethyl methacrylate
 Concen: 21.191 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion	69	Resp	240062
Ion	Ratio	Lower	Upper
69	100		
41	61.9	51.7	77.5
39	29.0	24.6	37.0

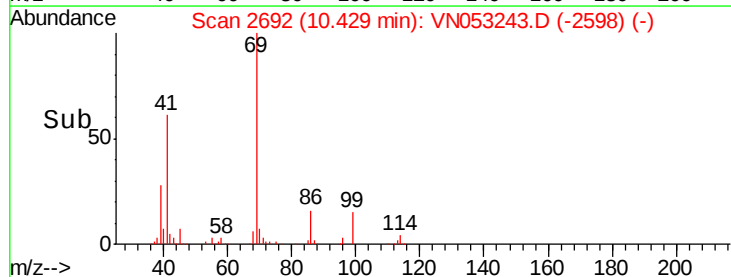
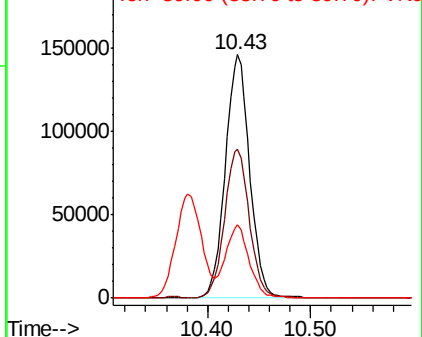


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.705 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0102WBSD02

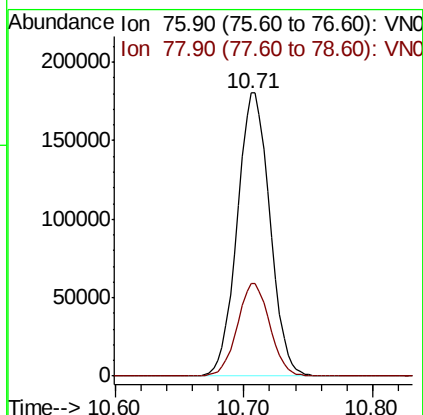
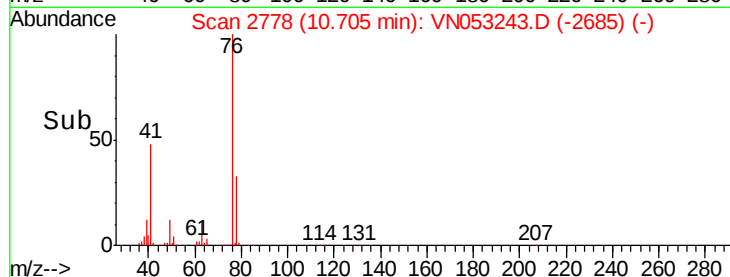
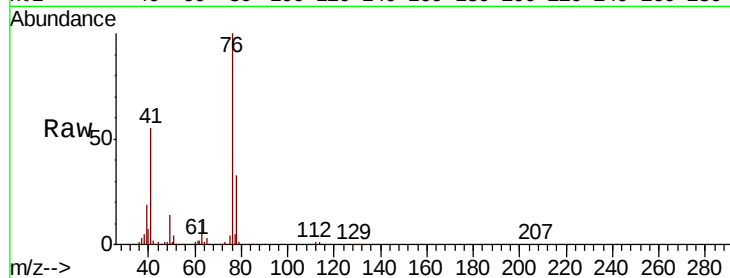
Tot Ion: 76 Resp: 318557

Ion Ratio Lower Upper

76 100

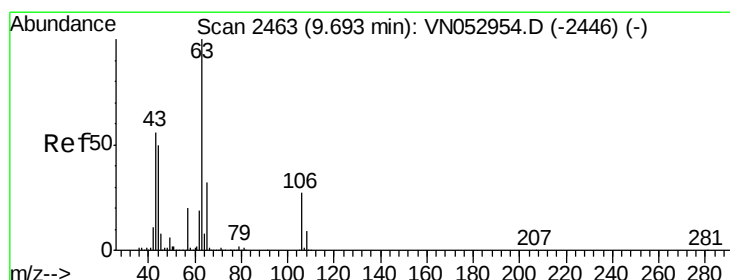
78 32.4 25.8 38.8

Manual Integrations
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MMDadoda

1/3/2019 9:55:43 AM



#58

2-Chloroethyl Vinyl ether

Concen: 106.012 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053243.D

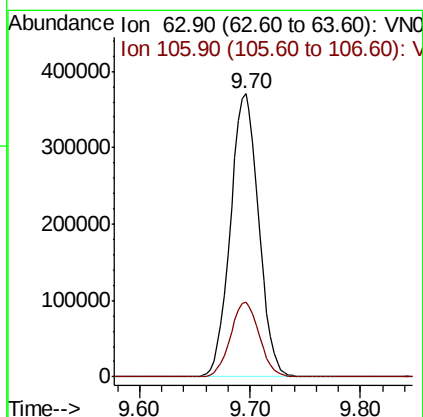
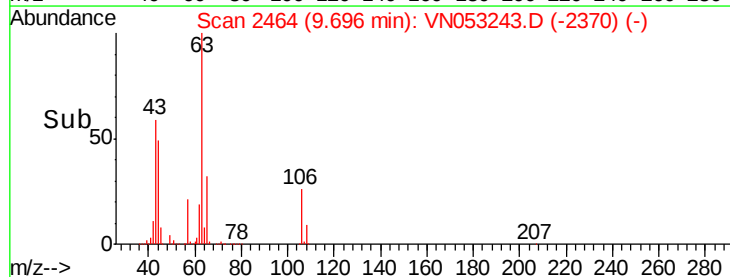
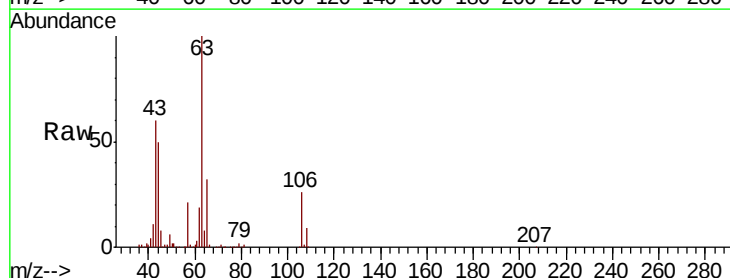
Acq: 2 Jan 2019 12:51

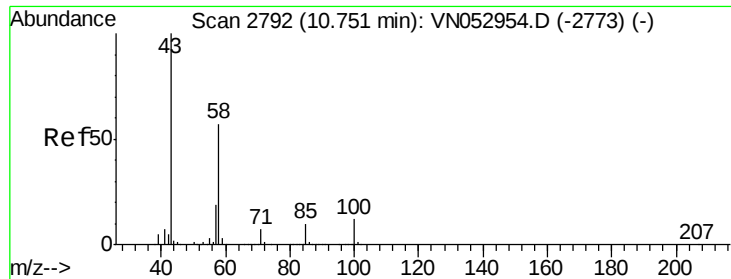
Tgt Ion: 63 Resp: 659325

Ion Ratio Lower Upper

63 100

106 26.8 21.0 31.6



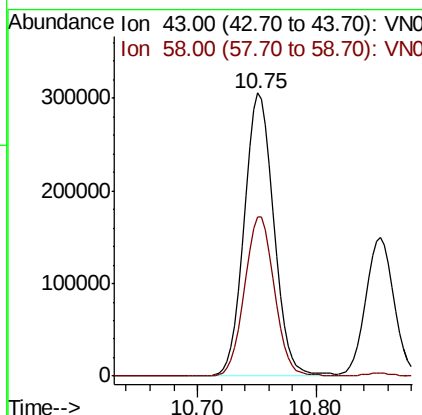
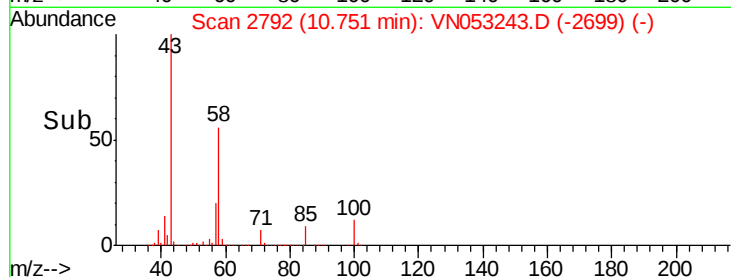
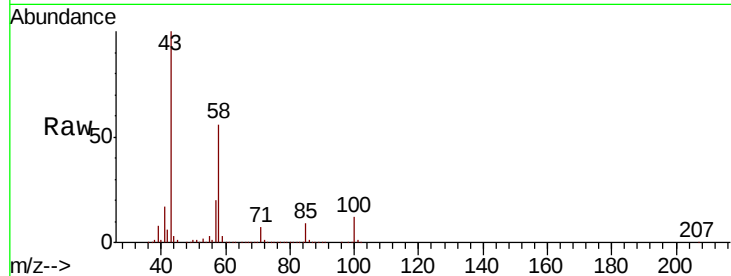


#59
2-Hexanone
Concen: 107.941 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0102WBSD02

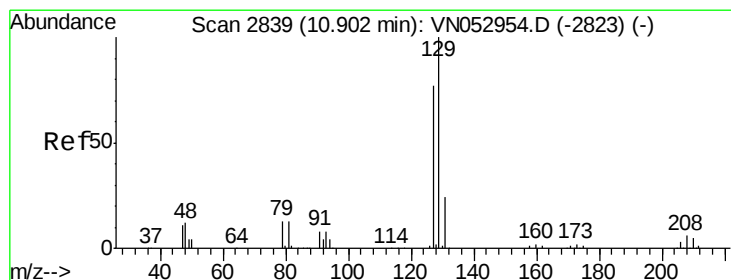
Tot Ion: 43 Resp: 525379
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.3

Manual Integrations
APPROVED



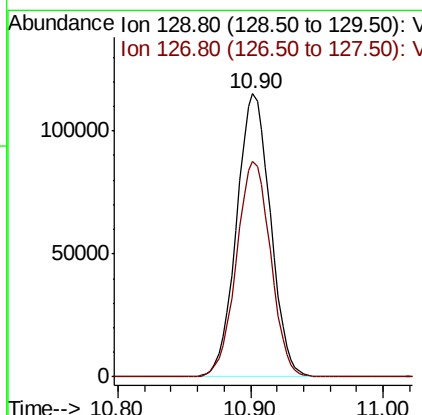
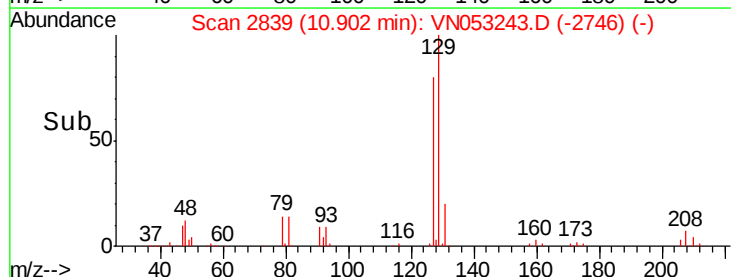
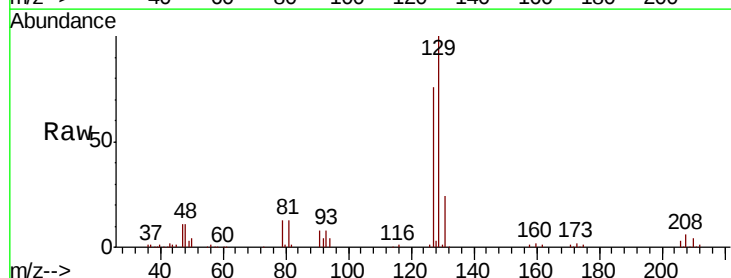
MMDadoda

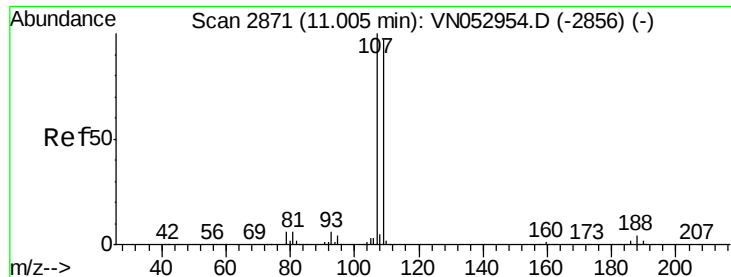
1/3/2019 9:55:43 AM



#60
Dibromochloromethane
Concen: 20.855 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion: 129 Resp: 204316
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.760 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0102WBSD02

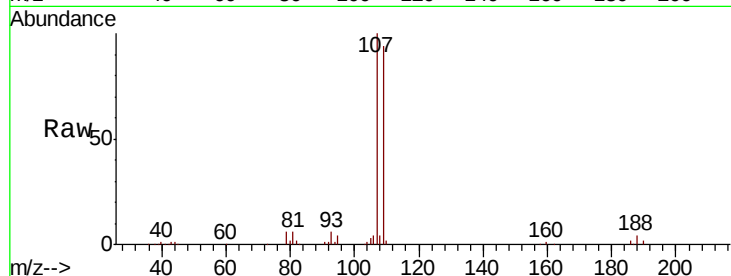
Tot Ion: 107 Resp: 180455

Ion Ratio Lower Upper

107 100

109 94.2 75.4 113.0

Manual Integrations
APPROVED



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

120000

100000

80000

60000

40000

20000

0

11.01

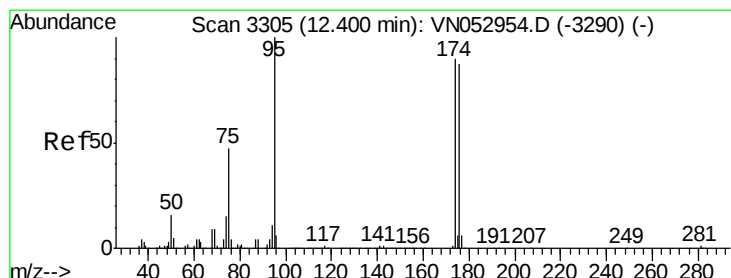
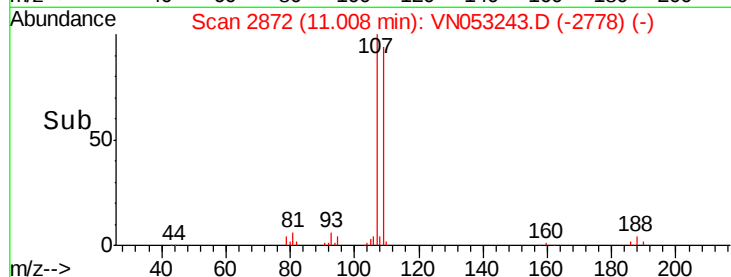
11.00

11.10

Time-->

MMDadoda

1/3/2019 9:55:43 AM



#62

4-Bromofluorobenzene

Concen: 20.760 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

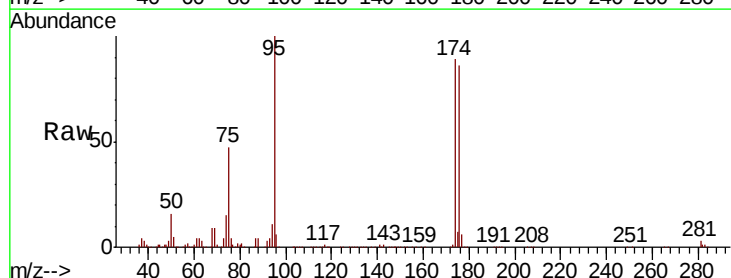
Tgt Ion: 95 Resp: 540503

Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.8

176 87.7 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

200000

100000

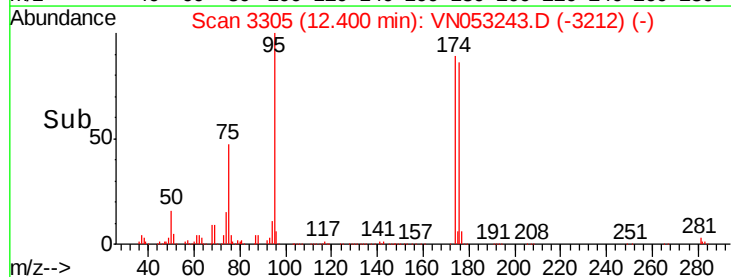
0

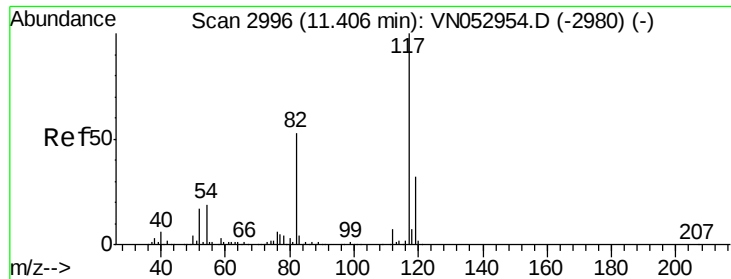
12.40

12.35

12.45

Time-->



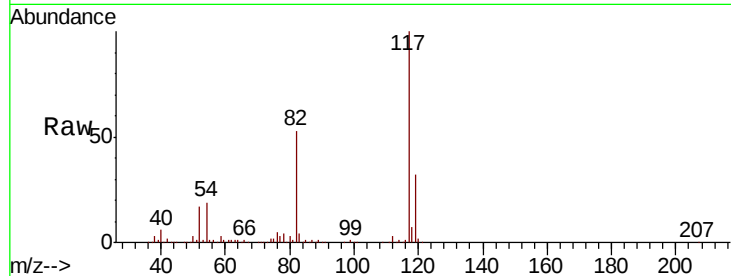


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

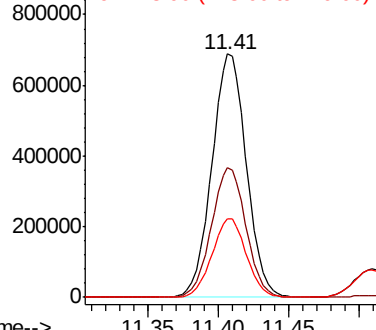
Instrument :
MSVOA_N
ClientSampled :
VN0102WBSD02

Tot Ion:117 Resp: 1179695
Ion Ratio Lower Upper
117 100
82 53.1 42.8 64.2
119 32.4 25.5 38.3

Manual Integrations
APPROVED

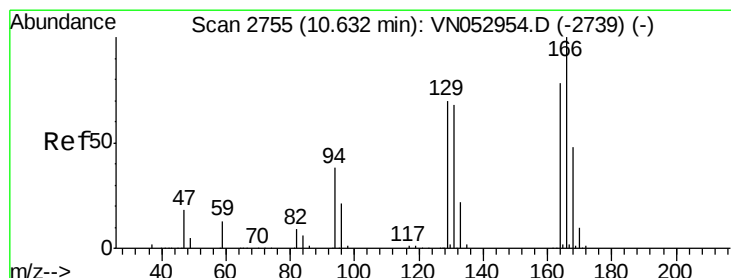
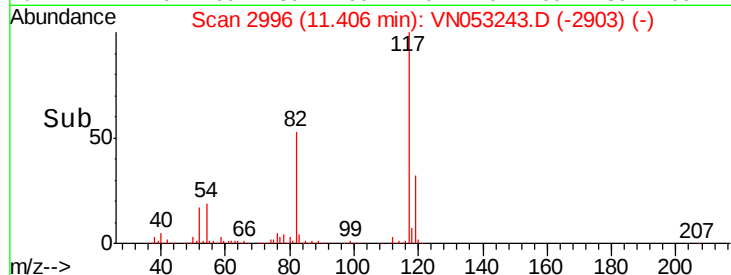


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



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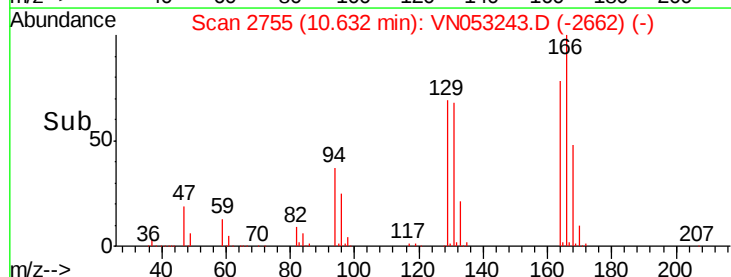
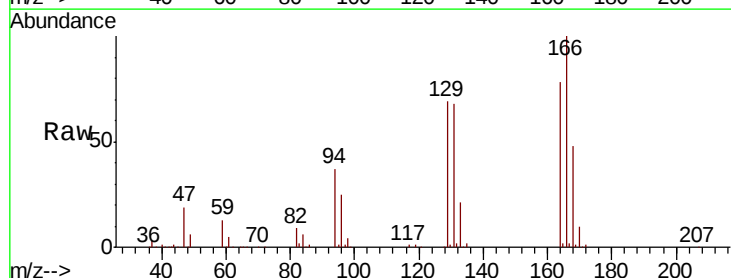
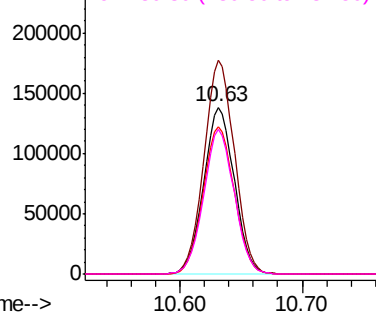
1/3/2019 9:55:43 AM



#64
Tetrachloroethene
Concen: 18.828 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion:164 Resp: 240594
Ion Ratio Lower Upper
164 100
166 128.3 102.9 154.3
129 88.8 73.7 110.5
131 86.8 70.7 106.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



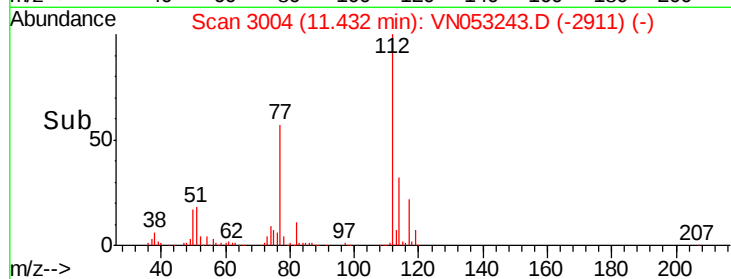
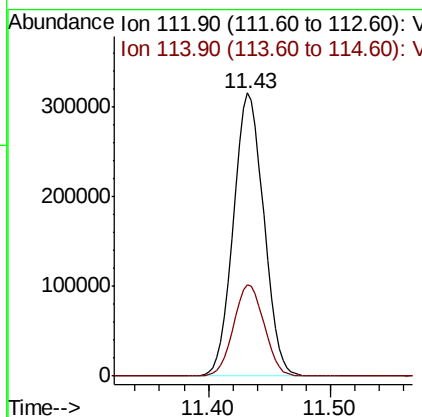
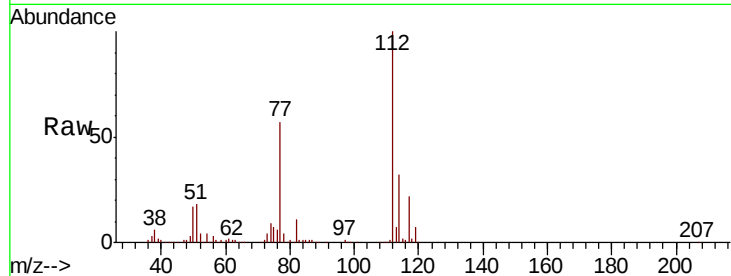


#65
Chlorobenzene
Concen: 20.835 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0102WBSD02

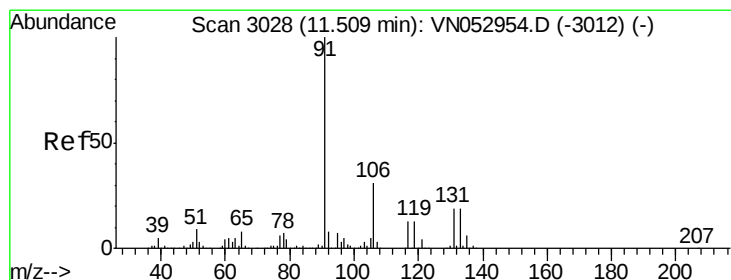
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.5	38.3

Manual Integrations
APPROVED



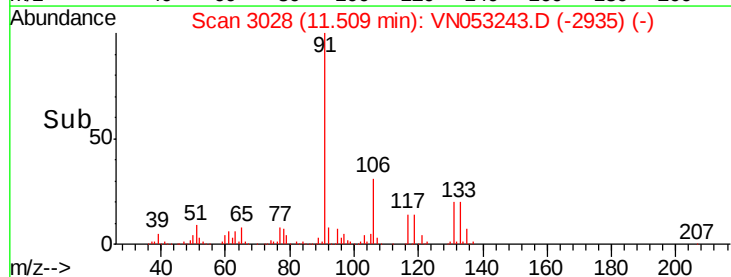
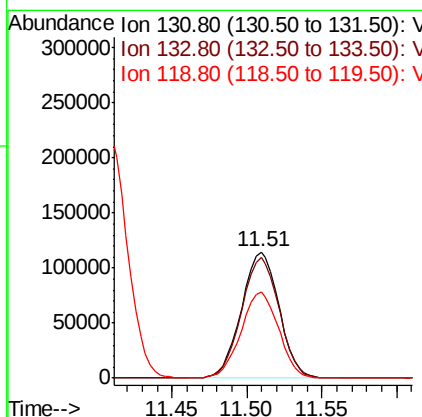
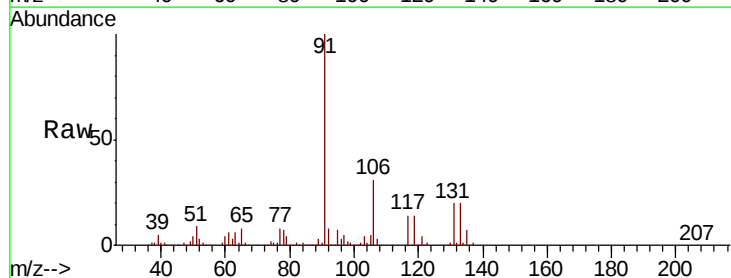
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1/3/2019 9:55:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.988 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.6	142.9
119	68.7	33.3	99.8



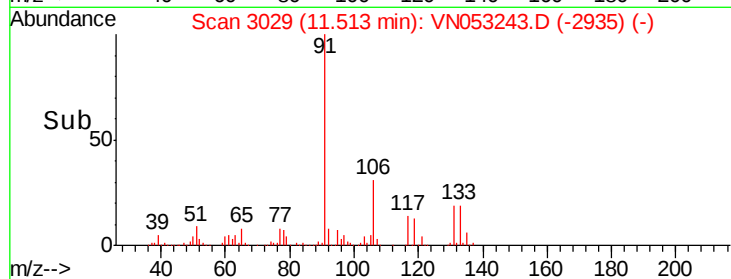
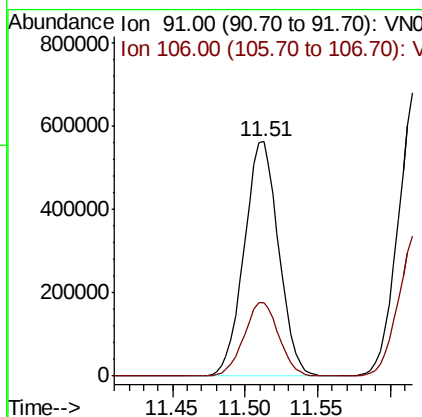
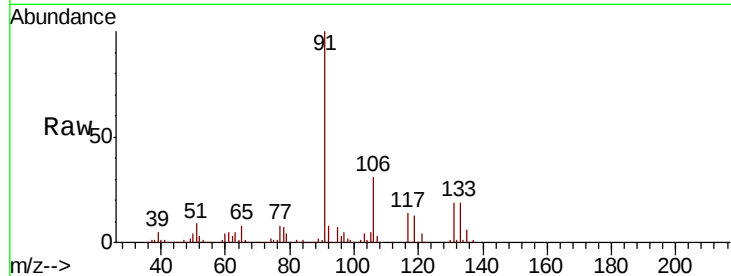


#67
Ethyl Benzene
Concen: 20.715 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

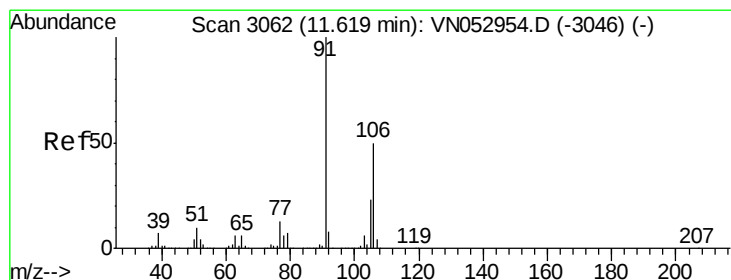
Tot Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.9	37.3

Manual Integrations
APPROVED



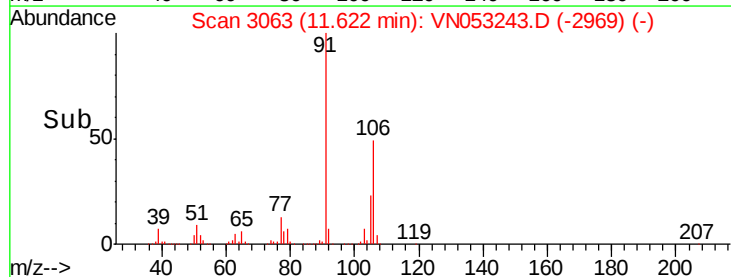
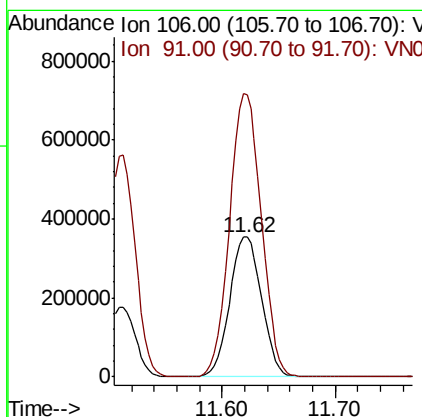
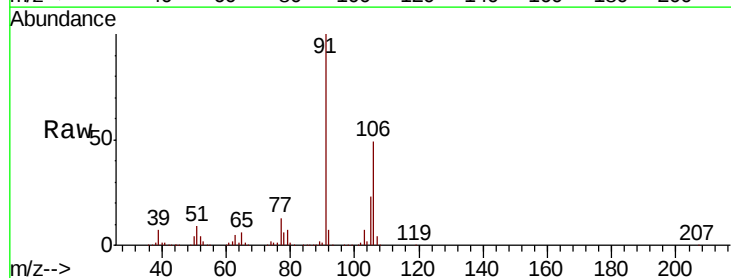
MMDadoda

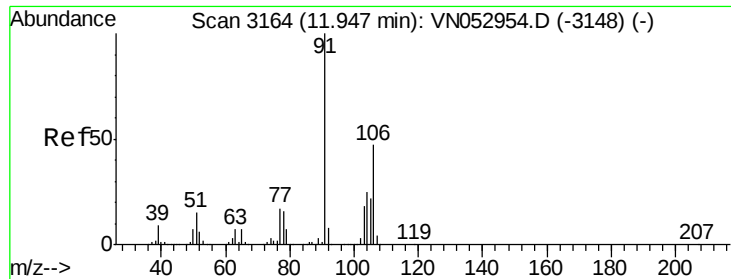
1/3/2019 9:55:43 AM



#68
m/p-Xylenes
Concen: 40.581 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.2	162.2	243.4



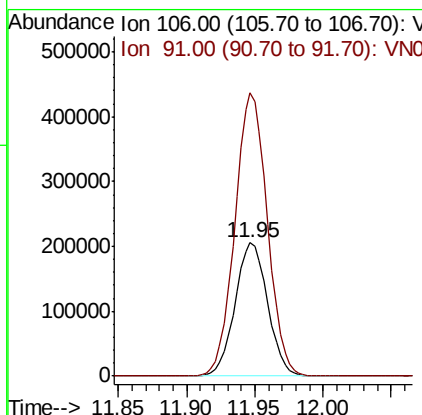
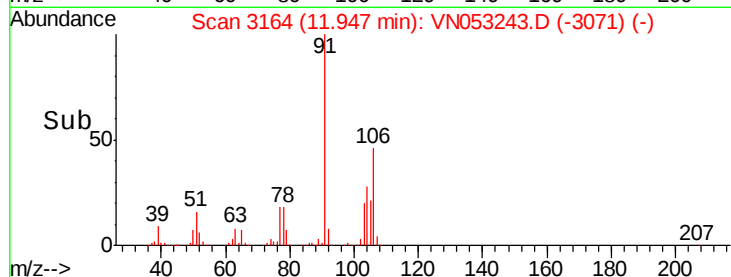
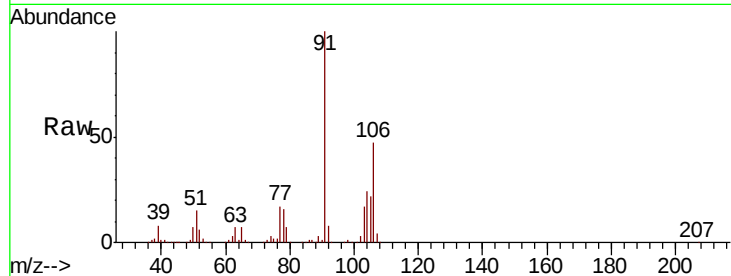


#69
o-Xylene
Concen: 20.713 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0102WBSD02

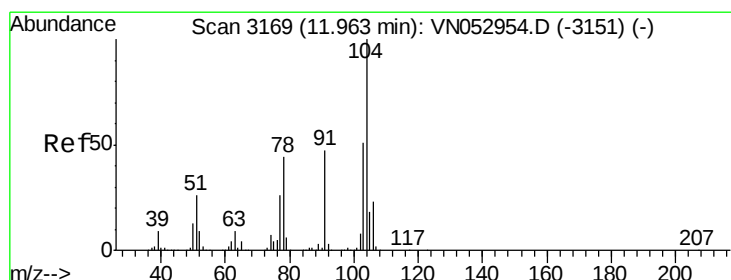
Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.7	106.6	319.8	

Manual Integrations
APPROVED



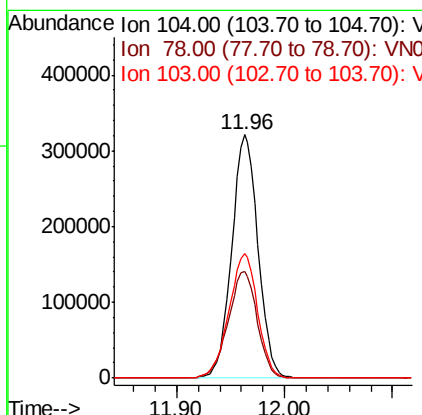
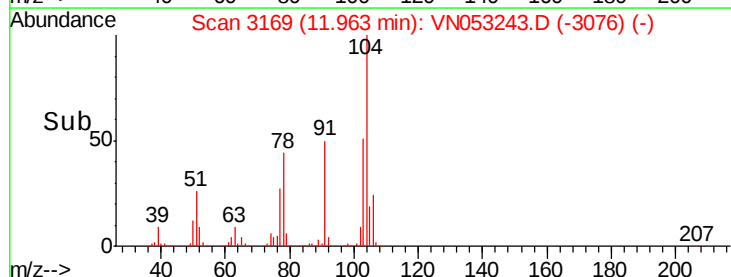
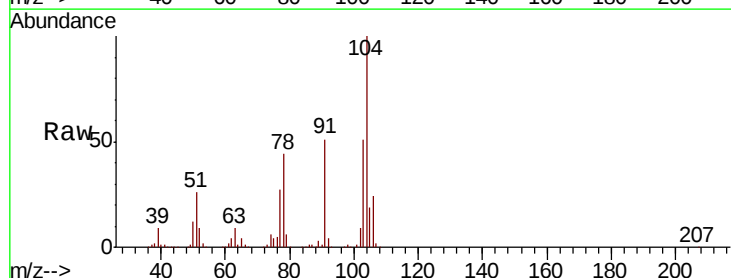
MMDadoda

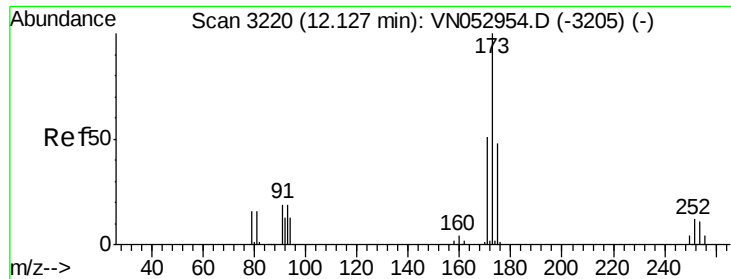
1/3/2019 9:55:43 AM



#70
Styrene
Concen: 20.345 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.6	38.9	58.3	
103	55.8	44.3	66.5	



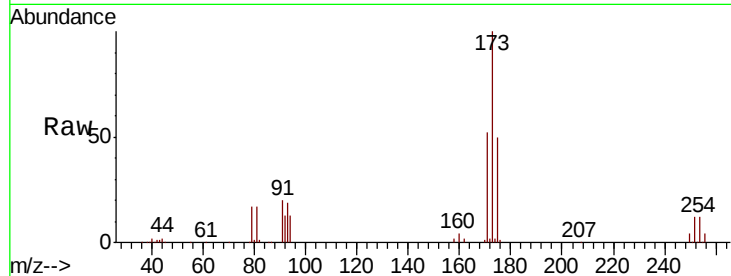


#71
Bromoform
Concen: 20.088 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

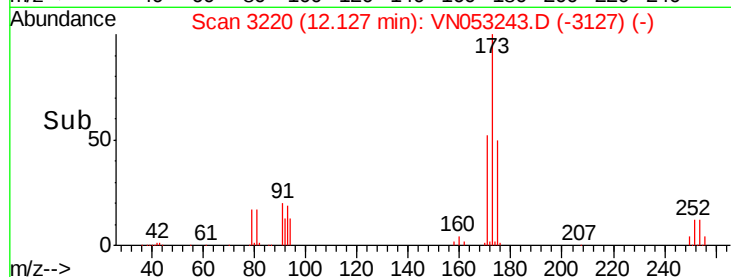
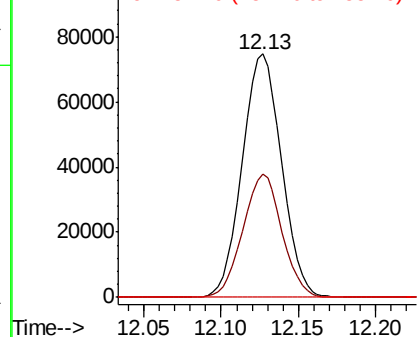
Instrument :
MSVOA_N
ClientSampleId :
VN0102WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	72.9
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

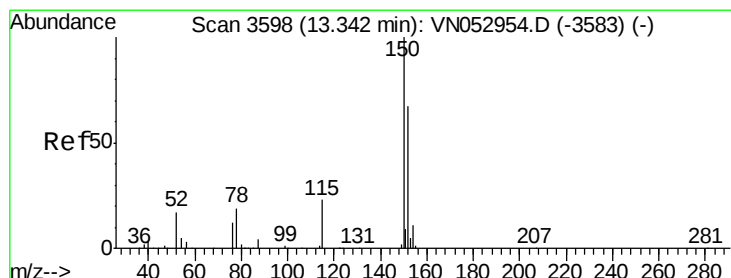


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



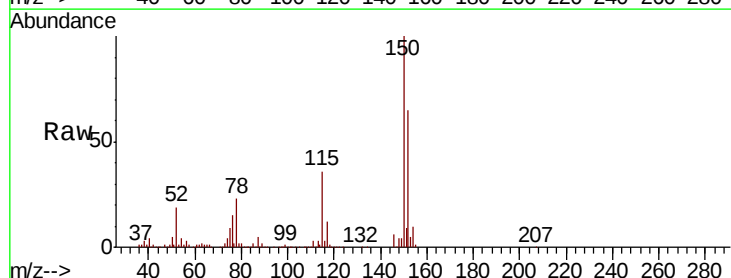
MMDadoda

1/3/2019 9:55:43 AM

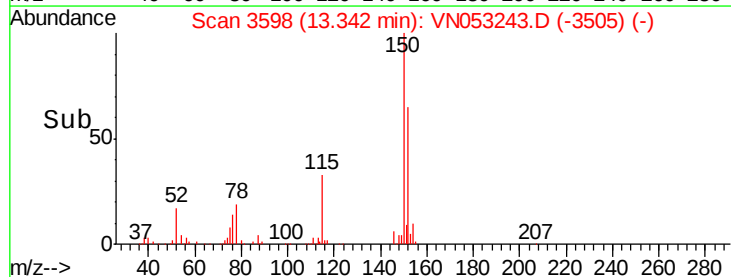
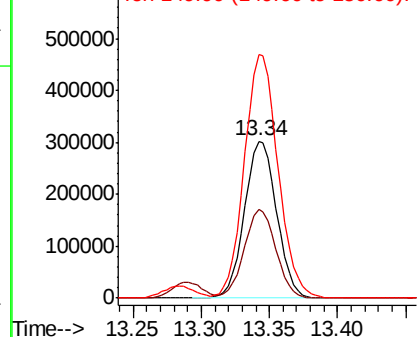


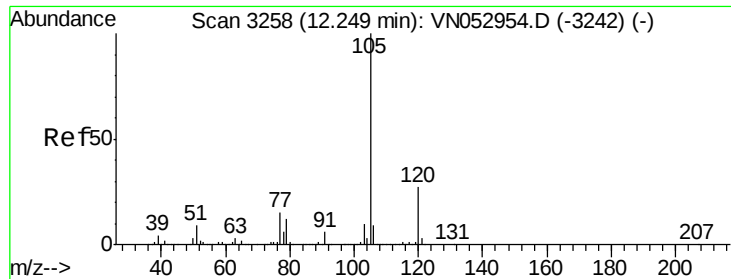
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.3	85.0
150	163.0	0.0	347.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



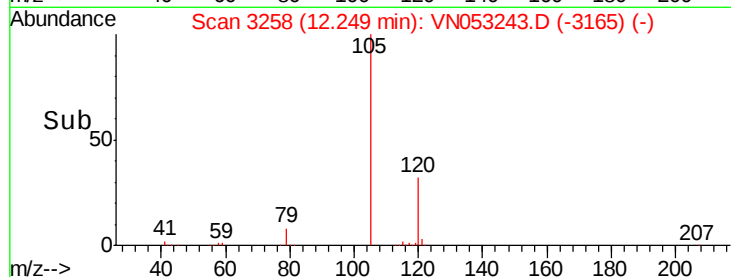
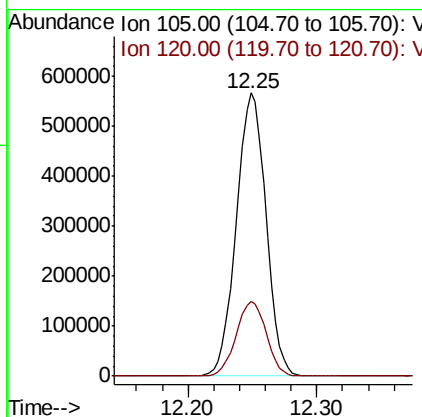
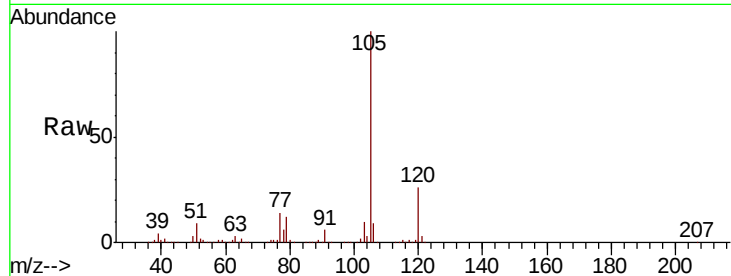


#73
Isopropylbenzene
Concen: 23.433 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0102WBSD02

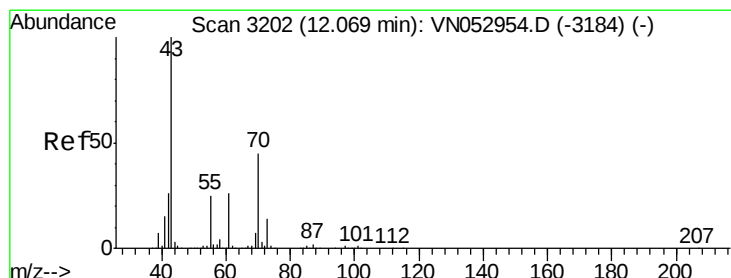
Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.9

Manual Integrations
APPROVED



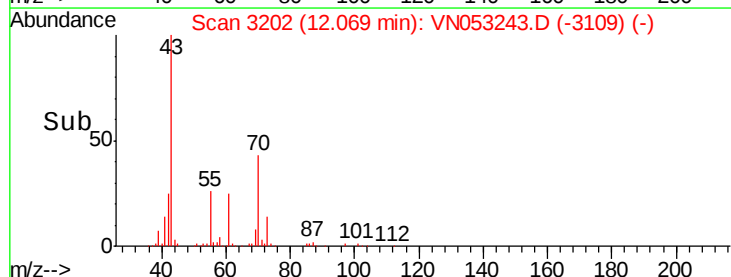
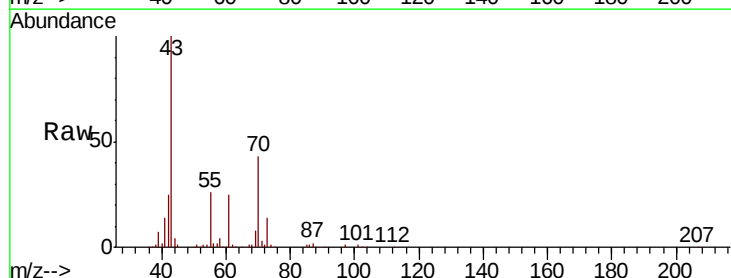
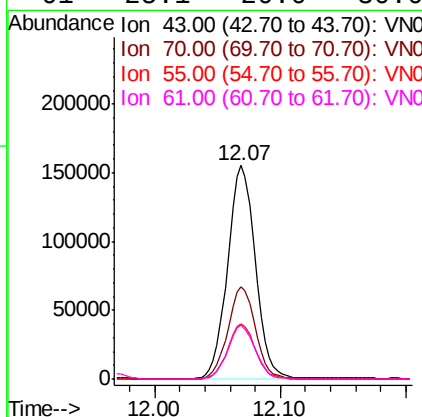
MMDadoda

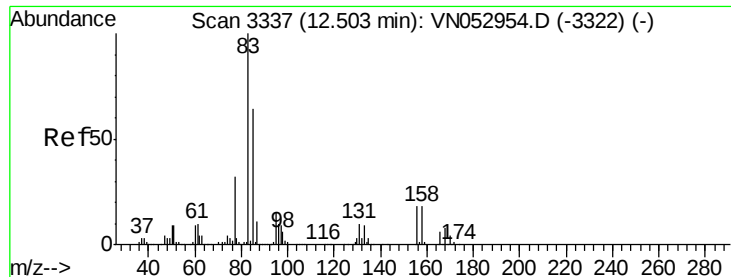
1/3/2019 9:55:43 AM



#74
N-ethyl acetate
Concen: 22.169 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.2	51.4
55	25.7	20.3	30.5
61	25.1	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 26.515 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

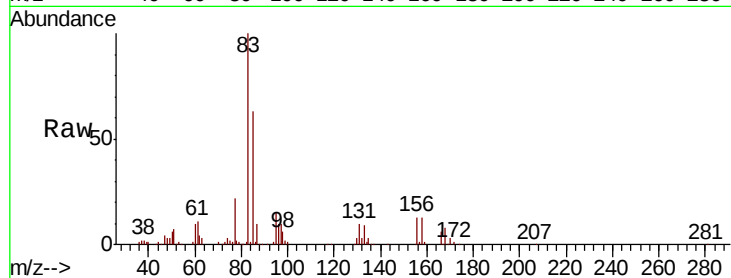
MSVOA_N

ClientSampled :

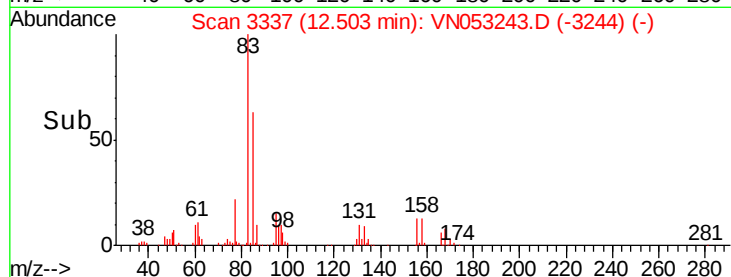
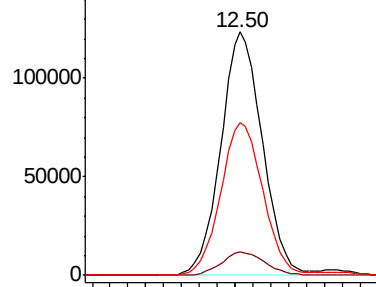
VN0102WBSD02

Tot Ion:	83	Resp:	200803
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	63.8	32.4	97.0

Manual Integrations
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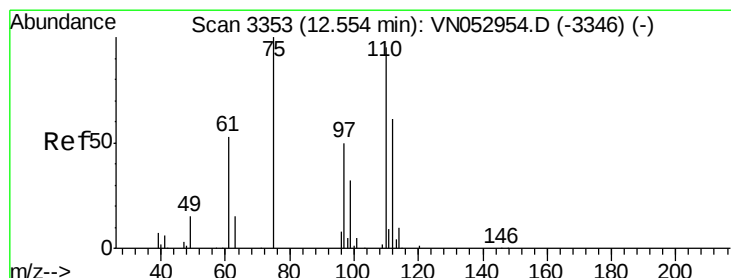


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



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1/3/2019 9:55:43 AM



#76

1,2,3-Trichloropropane

Concen: 20.413 ug/l m

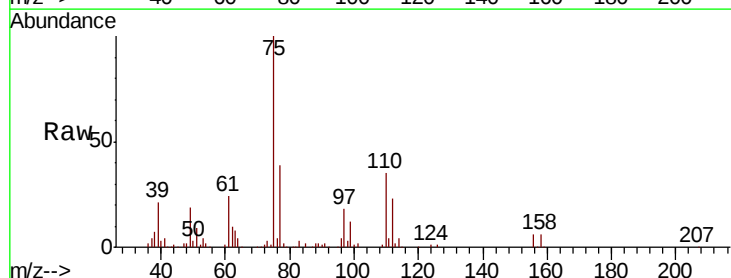
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

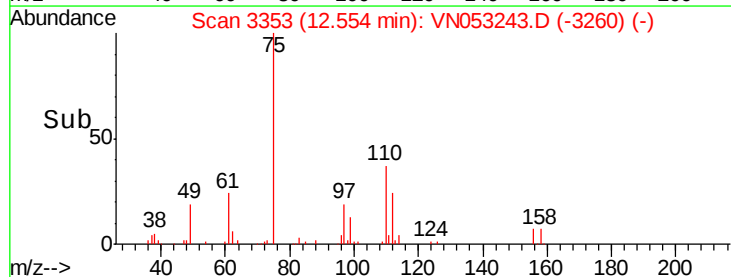
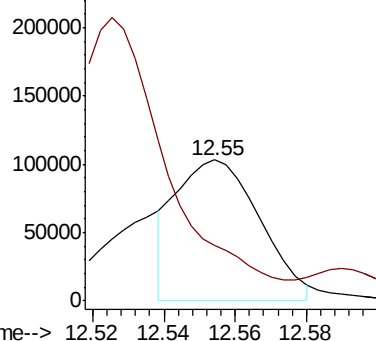
Lab File: VN053243.D

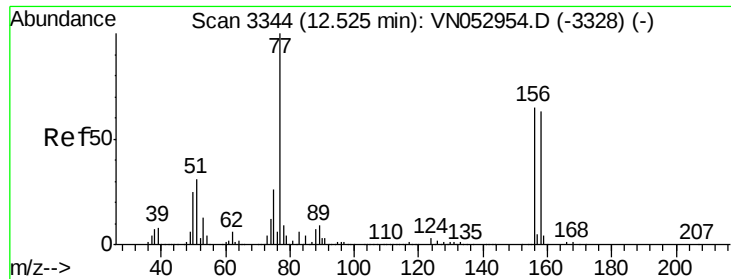
Acq: 2 Jan 2019 12:51

Tgt Ion:	75	Resp:	169542
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 22.828 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

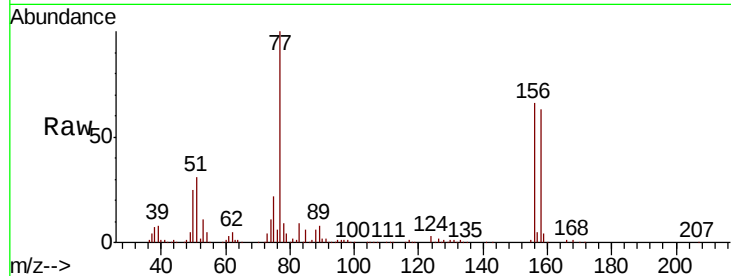
MSVOA_N

ClientSampled :

VN0102WBSD02

Tot Ion:	156	Resp:	229071
Ion Ratio	Lower	Upper	
156	100		
77	176.0	91.3	273.8
158	97.3	49.0	147.2

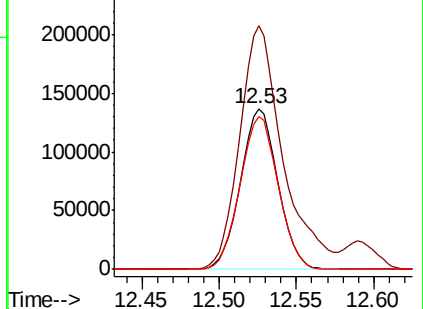
Manual Integrations
APPROVED



Abundance Ion 155.80 (155.50 to 156.50): V

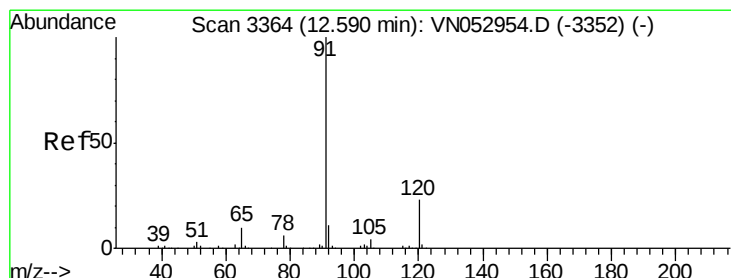
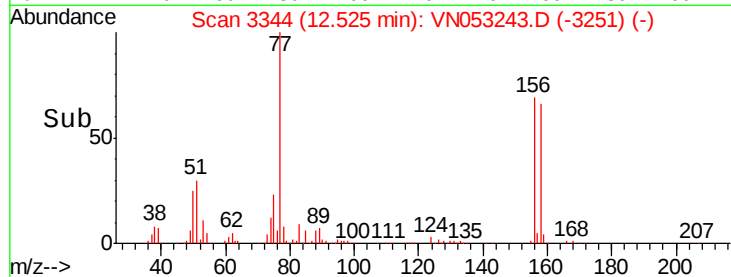
Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



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1/3/2019 9:55:43 AM



#78

n-propylbenzene

Concen: 22.223 ug/l

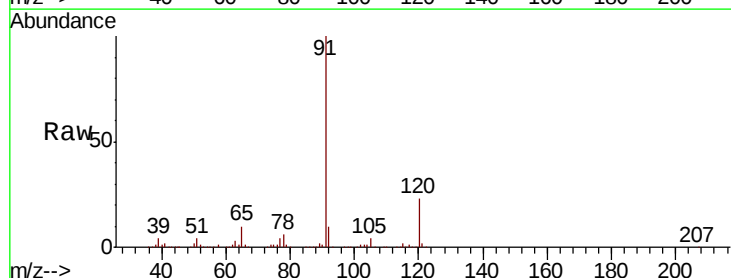
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053243.D

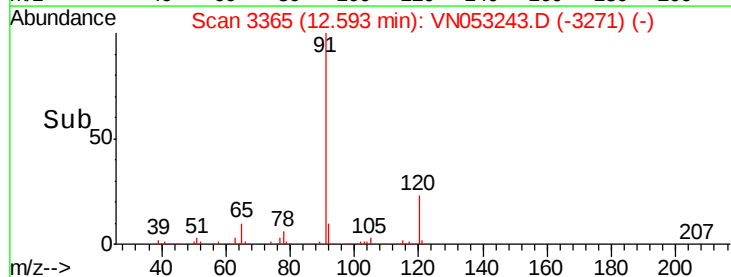
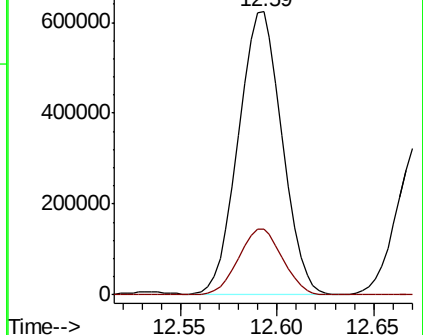
Acq: 2 Jan 2019 12:51

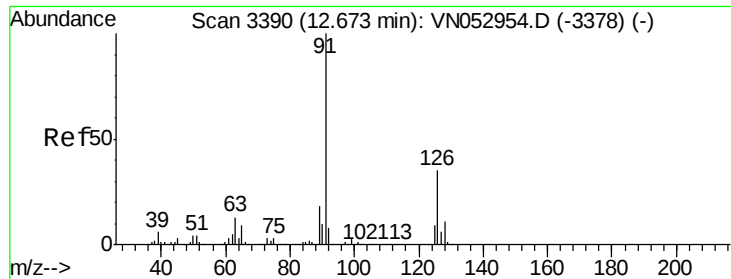
Tgt Ion:	91	Resp:	977012
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.451 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0102WBSD02

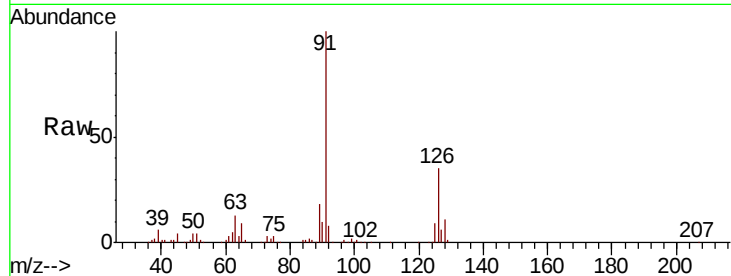
Tot Ion: 91 Resp: 584577

Ion Ratio Lower Upper

91 100

126 35.4 17.4 52.3

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN053243.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN053243.D (-3297) (-)

600000

400000

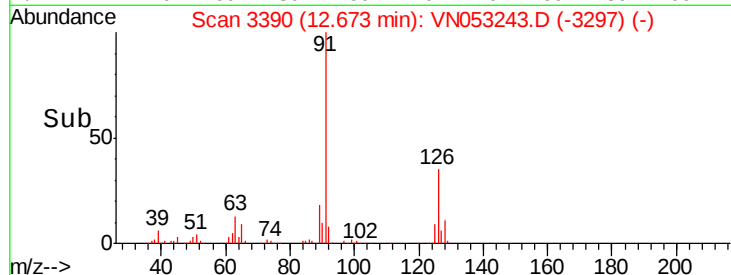
200000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.866 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053243.D

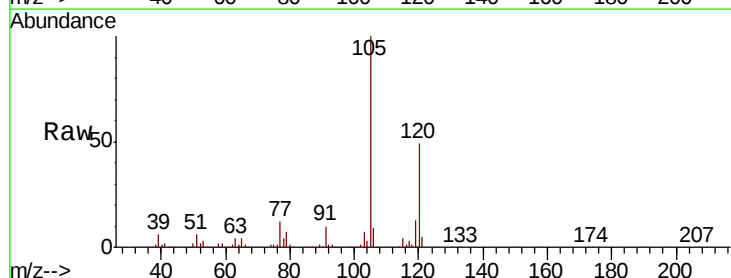
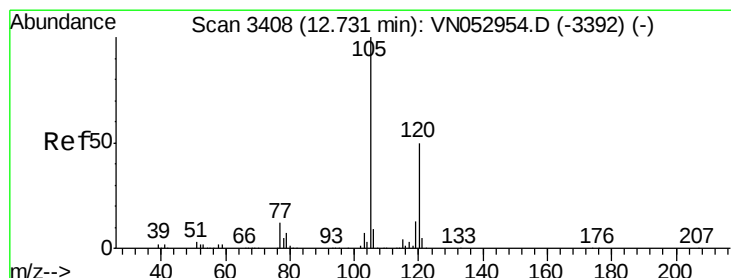
Acq: 2 Jan 2019 12:51

Tgt Ion: 105 Resp: 687992

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053243.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN053243.D (-3315) (-)

500000

400000

300000

200000

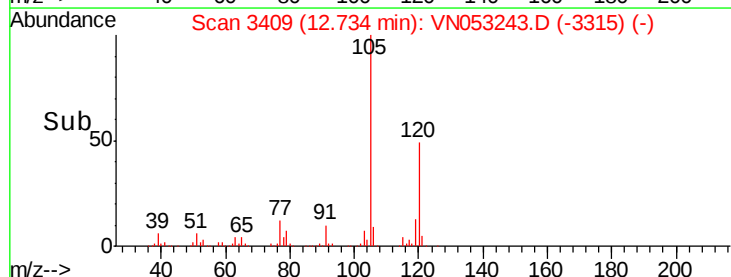
100000

0

12.65 12.70 12.75 12.80

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.601 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

VN0102WBSD02

Tot Ion: 75 Resp: 55663

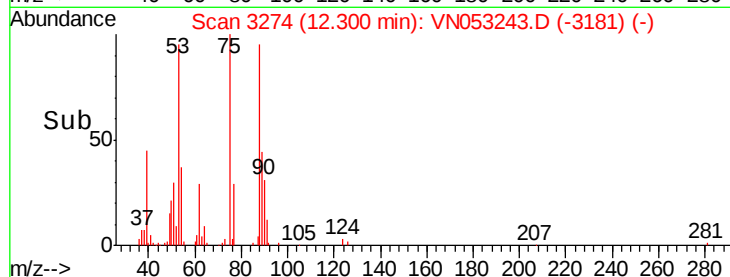
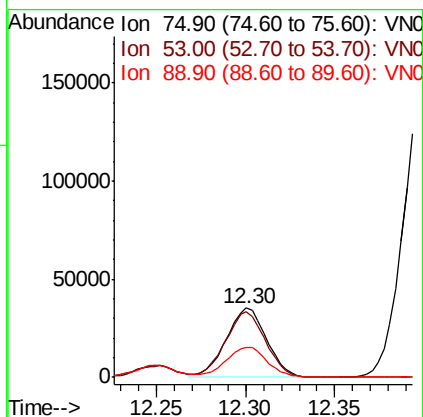
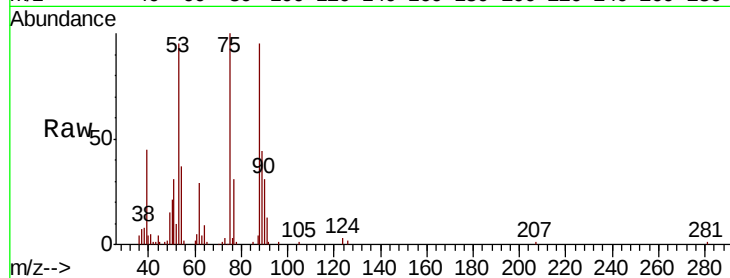
Ion Ratio Lower Upper

75 100

53 93.7 74.7 112.1

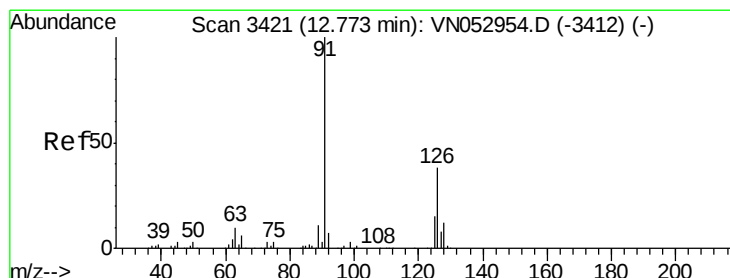
89 44.3 36.1 54.1

Manual Integrations
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1/3/2019 9:55:43 AM



#82

4-Chlorotoluene

Concen: 21.736 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053243.D

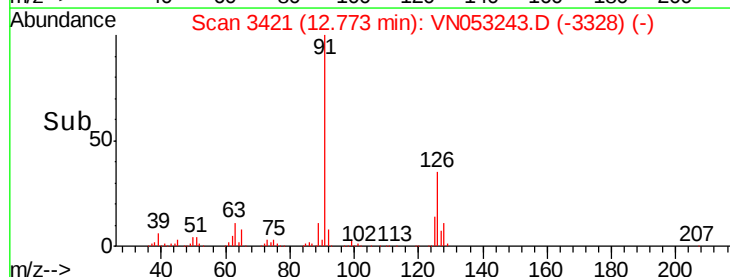
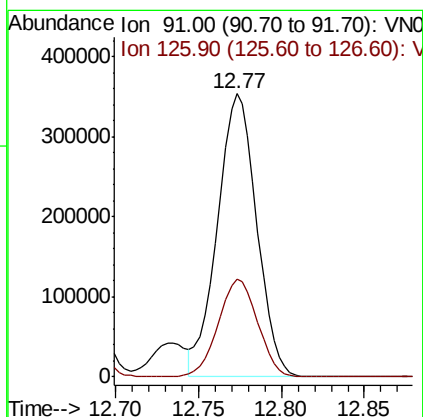
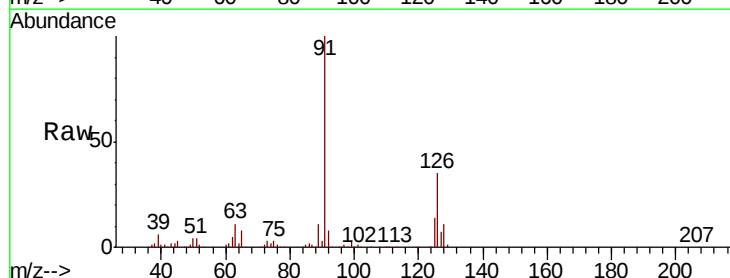
Acq: 2 Jan 2019 12:51

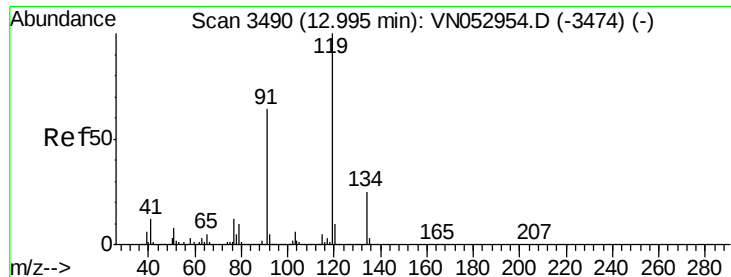
Tgt Ion: 91 Resp: 579845

Ion Ratio Lower Upper

91 100

126 34.8 17.3 51.7



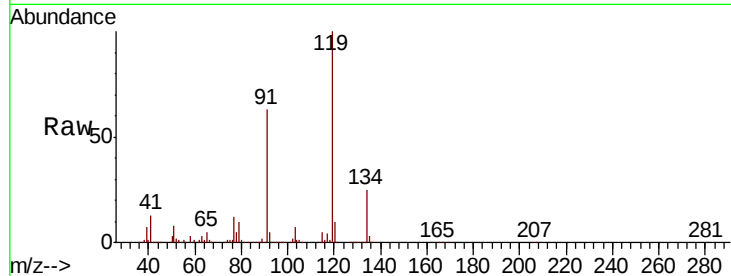


#83
tert-Butylbenzene
Concen: 22.259 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

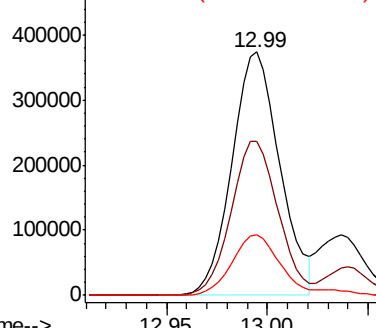
Instrument :
MSVOA_N
ClientSampled :
VN0102WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	31.9	95.5
134	24.5	12.8	38.4

Manual Integrations
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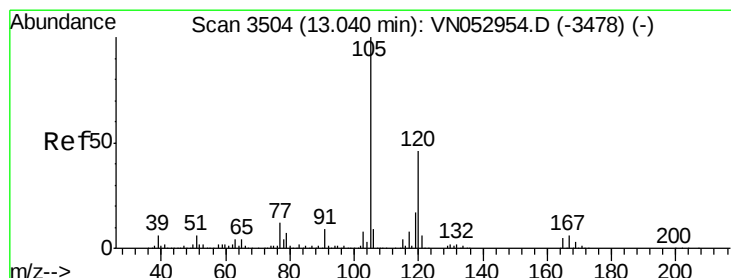
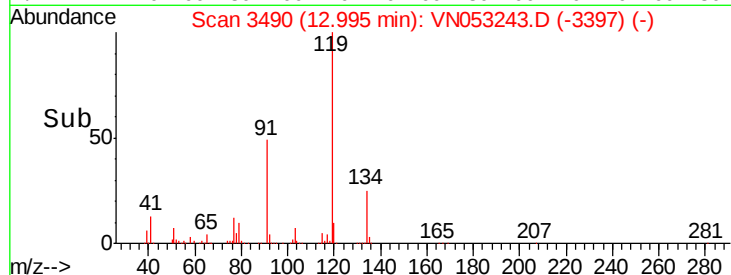


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V



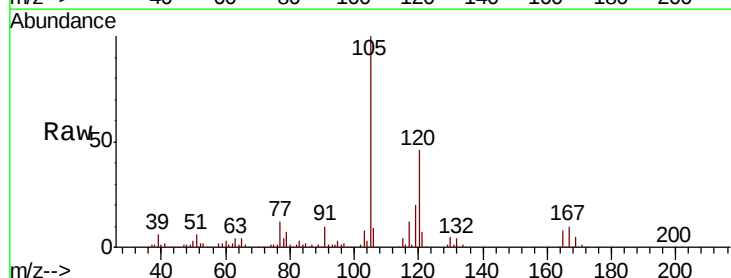
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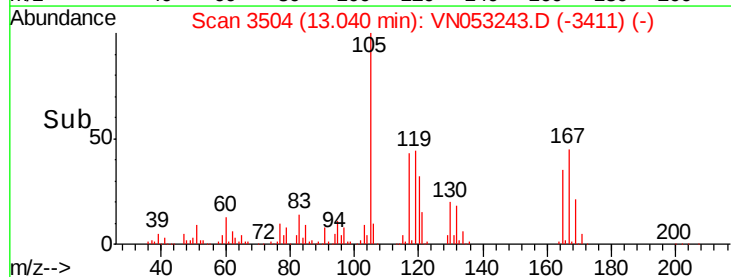
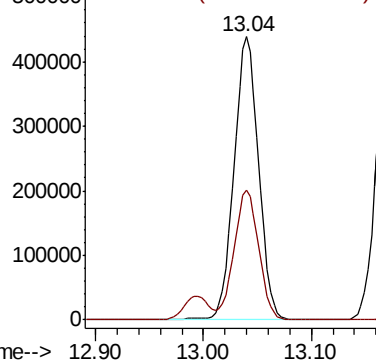


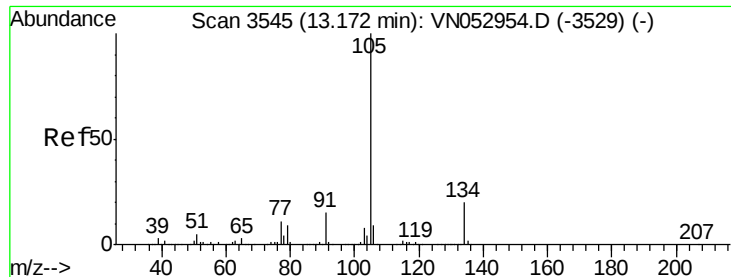
#84
1,2,4-Trimethylbenzene
Concen: 21.817 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



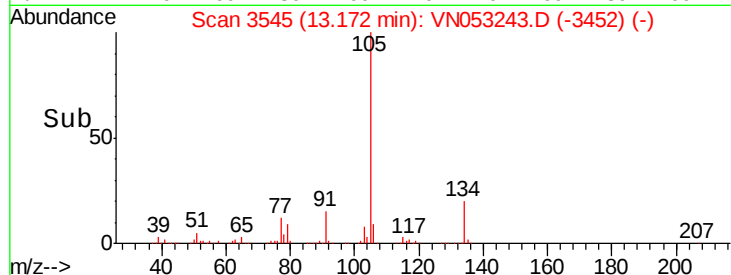
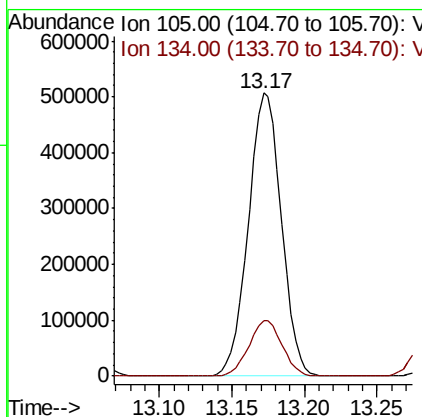
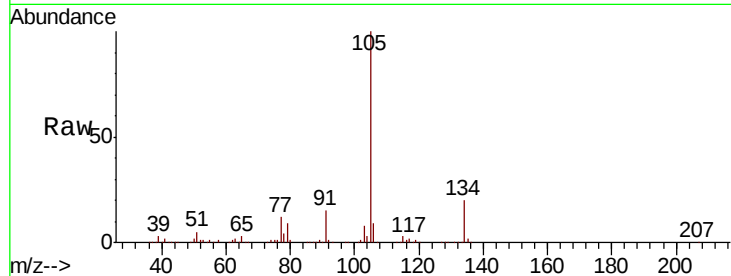


#85
 sec-Butylbenzene
 Concen: 21.385 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0102WBSD02

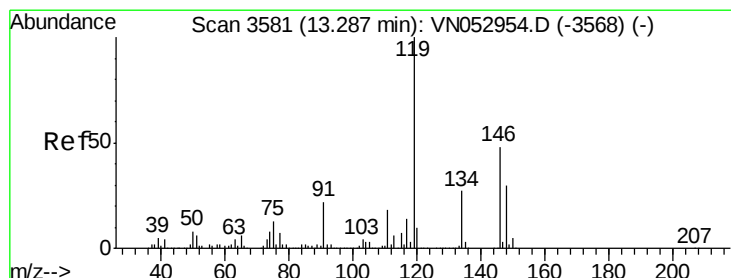
Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.1	30.3

Manual Integrations
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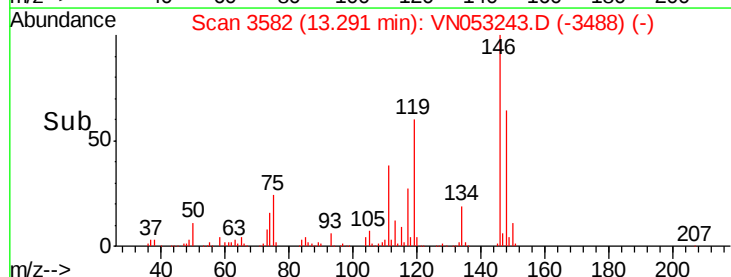
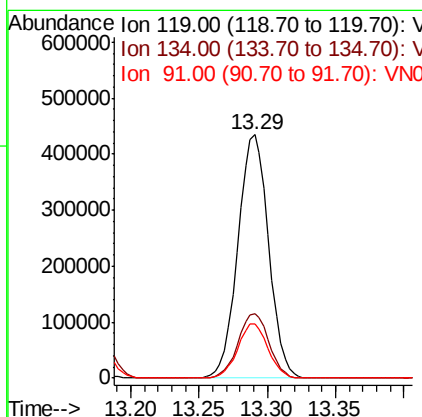
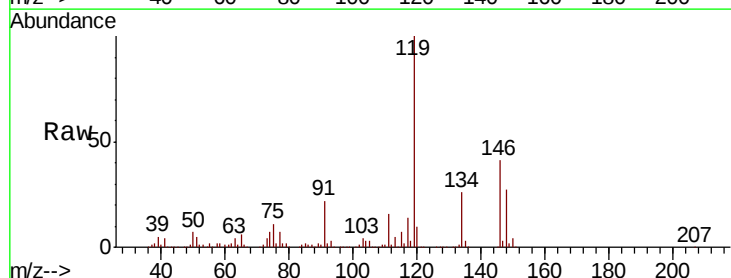
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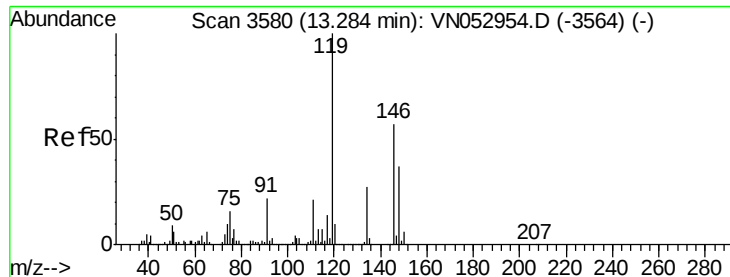
1/3/2019 9:55:43 AM



#86
 p-Isopropyltoluene
 Concen: 20.783 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	21.9	11.1	33.3



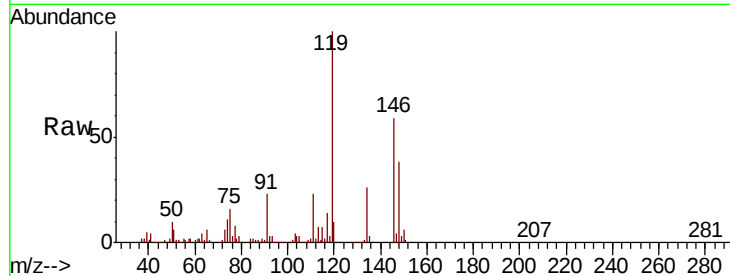


#87
 1,3-Dichlorobenzene
 Concen: 20.772 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	63.7	32.0	96.0

Manual Integrations
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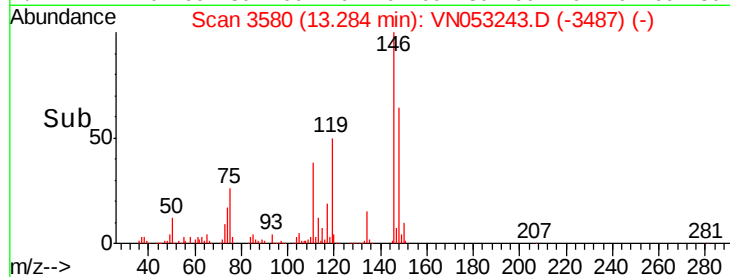
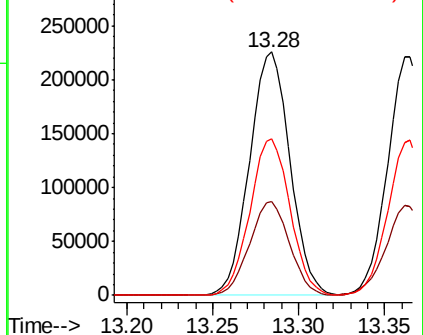


Abundance

Ion 145.90 (145.60 to 146.60): V

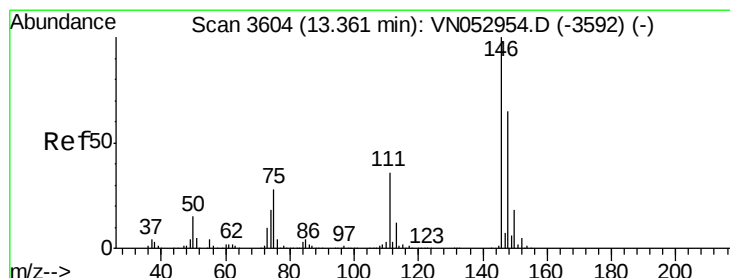
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



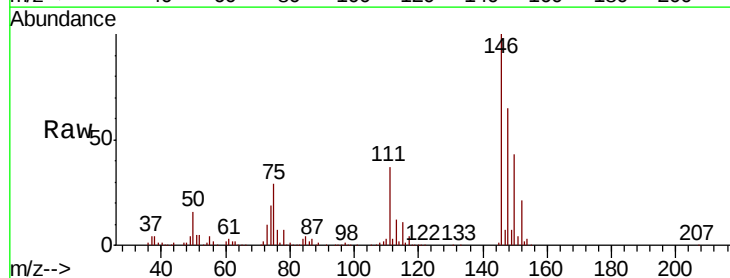
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1/3/2019 9:55:43 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.194 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.8
148	64.2	32.1	96.5

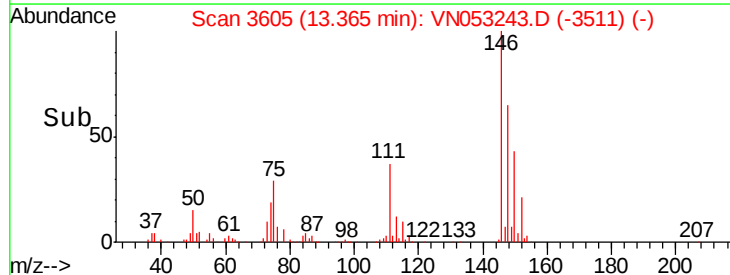
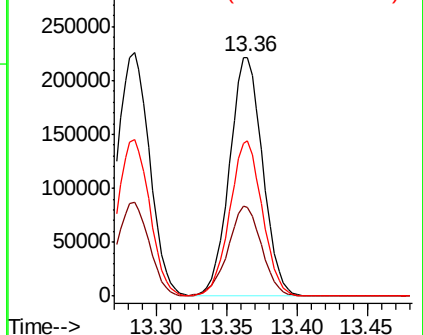


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



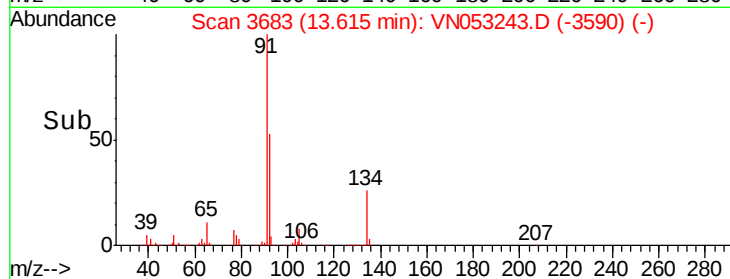
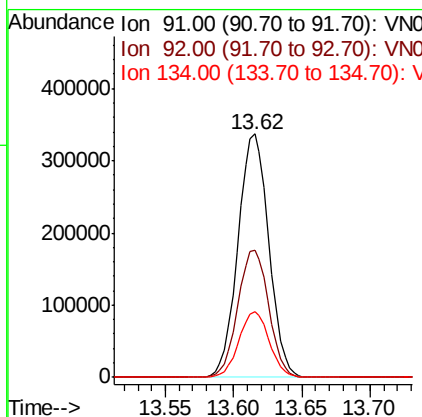
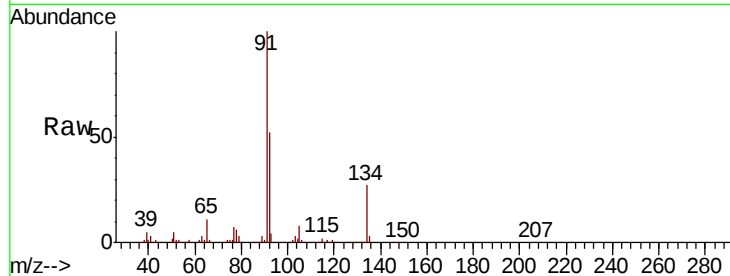


#89
n-Butylbenzene
Concen: 18.878 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Instrument :
MSVOA_N
ClientSampled :
VN0102WBSD02

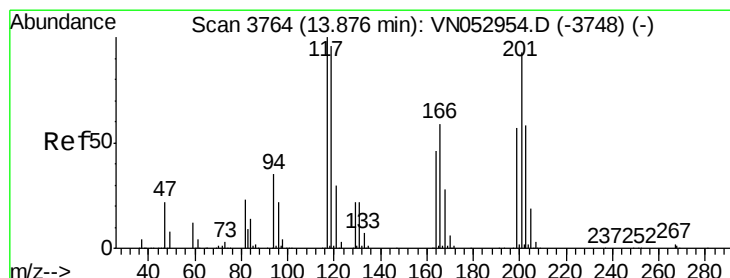
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	26.7	13.3	39.8

Manual Integrations
APPROVED



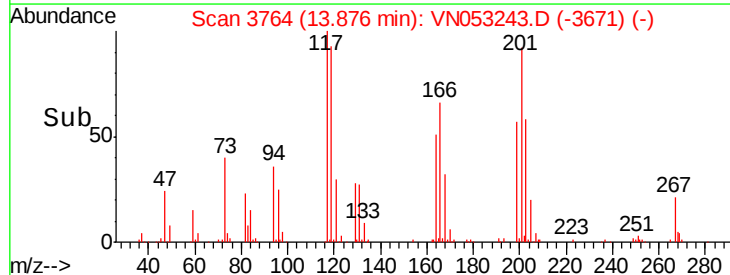
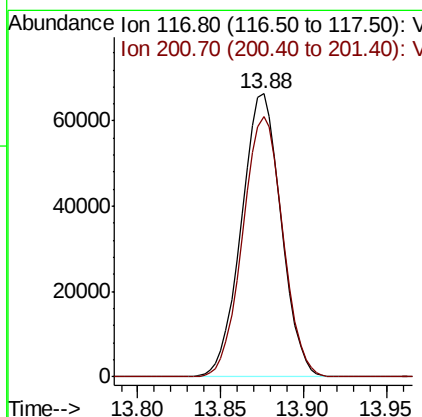
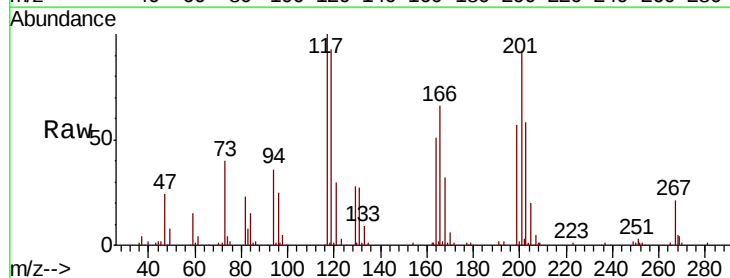
MMDadoda

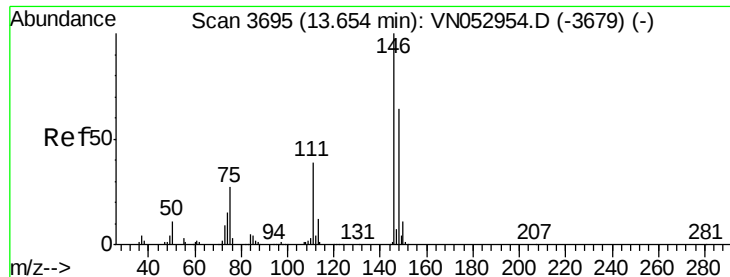
1/3/2019 9:55:43 AM



#90
Hexachloroethane
Concen: 22.238 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053243.D
Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.6	45.7	137.1



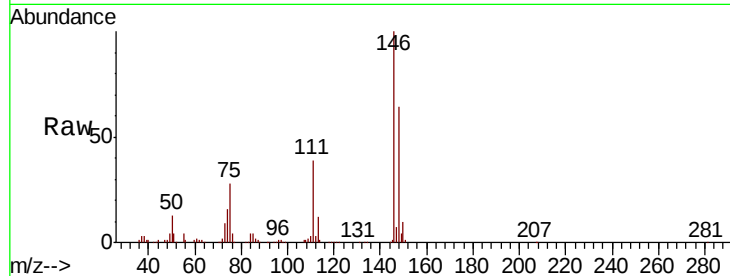


#91
 1,2-Dichlorobenzene
 Concen: 20.971 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

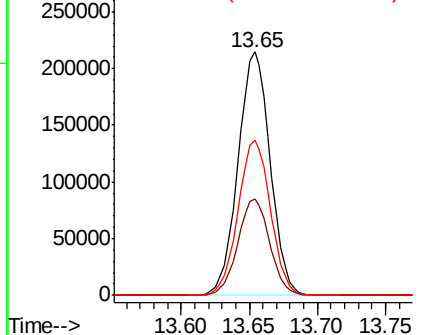
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.2	32.0	96.0

Manual Integrations
 APPROVED

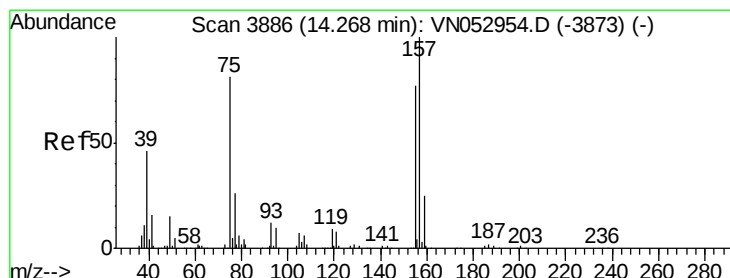
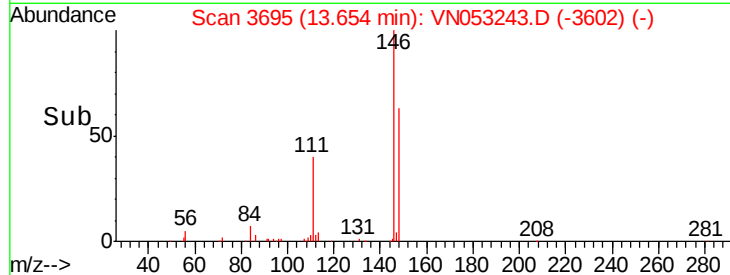


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



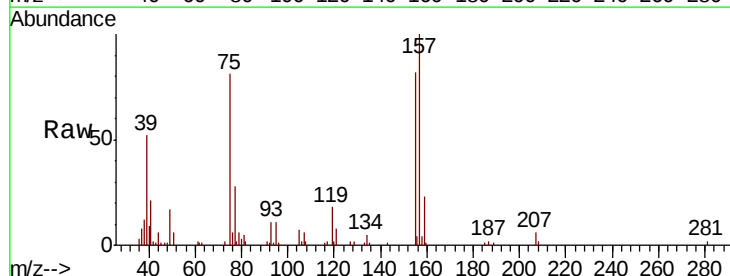
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1/3/2019 9:55:43 AM

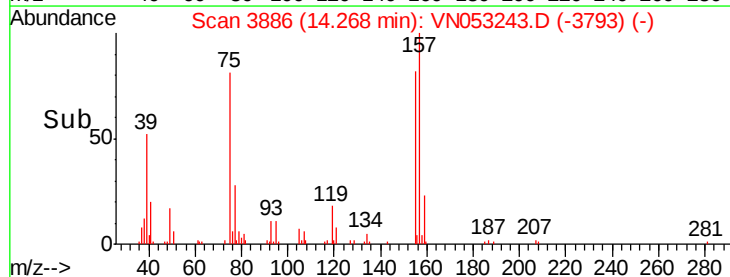
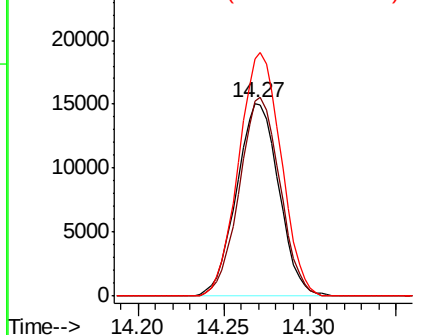


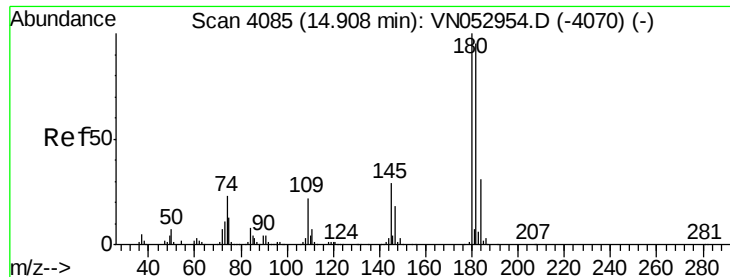
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.629 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	48.2	144.6
157	126.3	61.2	183.5



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



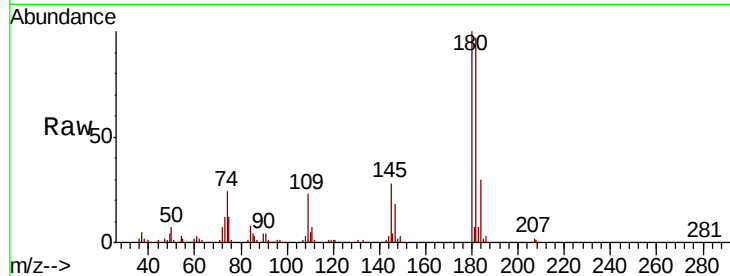


#93
 1,2,4-Trichlorobenzene
 Concen: 19.260 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

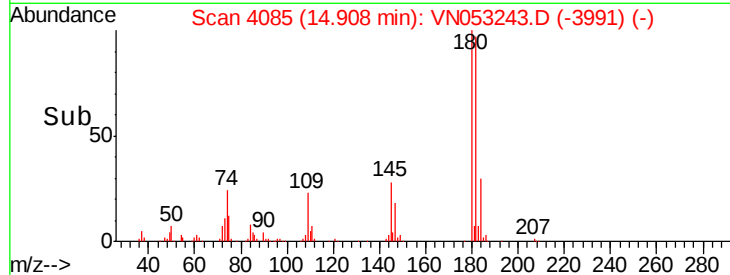
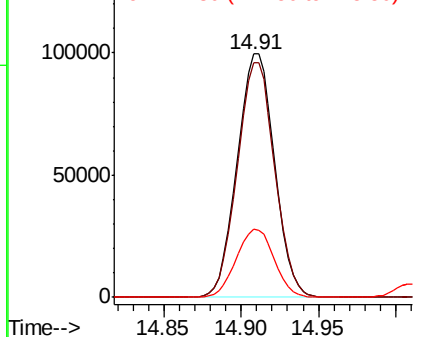
Instrument :
 MSVOA_N
 ClientSampled :
 VN0102WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.3
145	28.3	14.2	42.6

Manual Integrations
 APPROVED

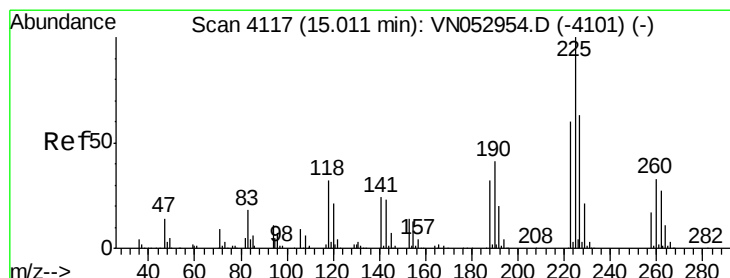


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



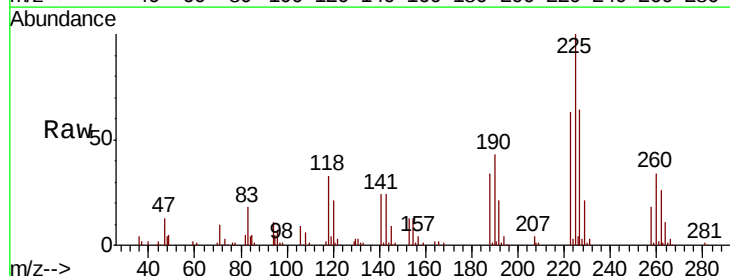
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1/3/2019 9:55:43 AM

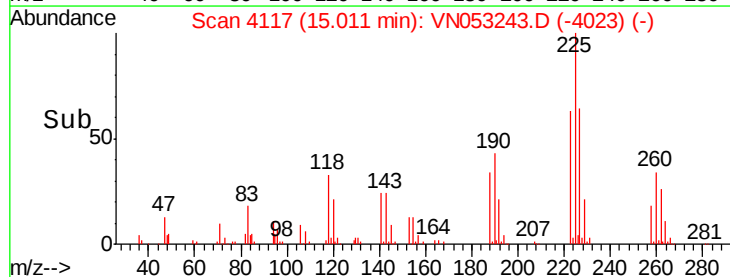
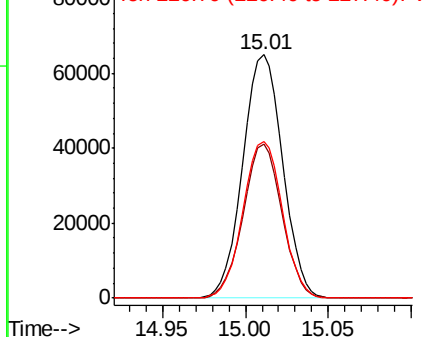


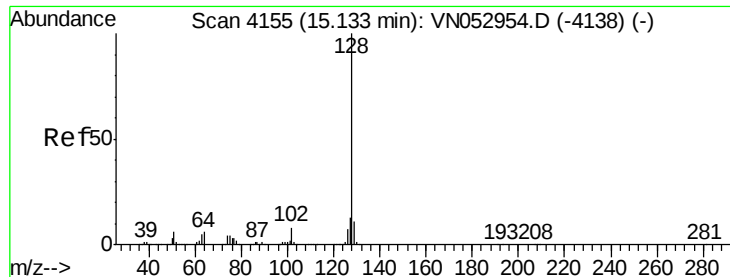
#94
 Hexachlorobutadiene
 Concen: 22.107 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053243.D
 Acq: 2 Jan 2019 12:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.5	94.5
227	63.7	31.9	95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.130 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Instrument :

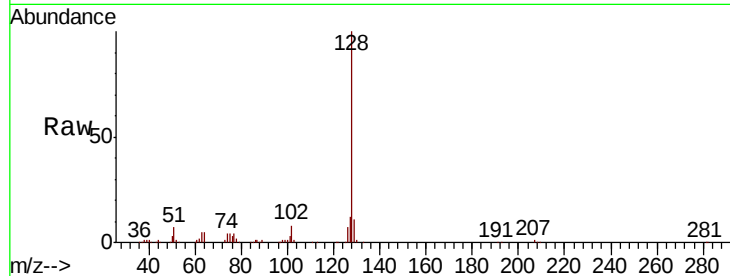
MSVOA_N

ClientSampled :

VN0102WBSD02

Tot Ion:	128	Resp:	357038
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	11.0	8.6	13.0

Manual Integrations
APPROVED

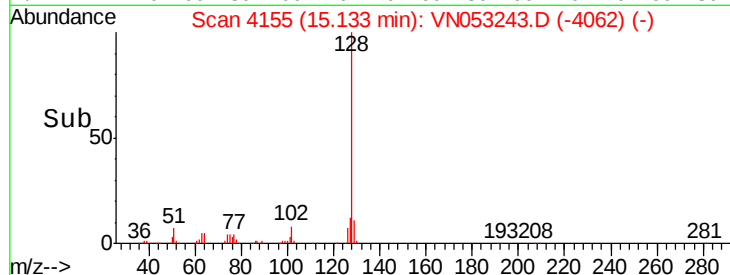
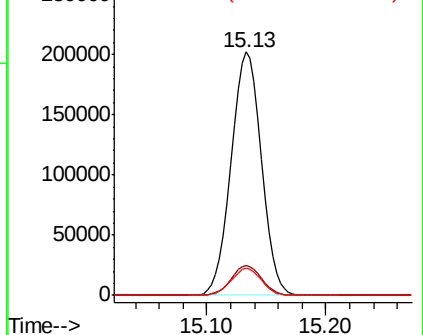


Abundance

Ion 128.00 (127.70 to 128.70): V

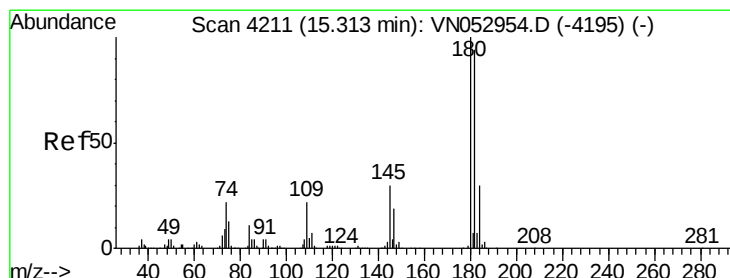
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



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1/3/2019 9:55:43 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.443 ug/l

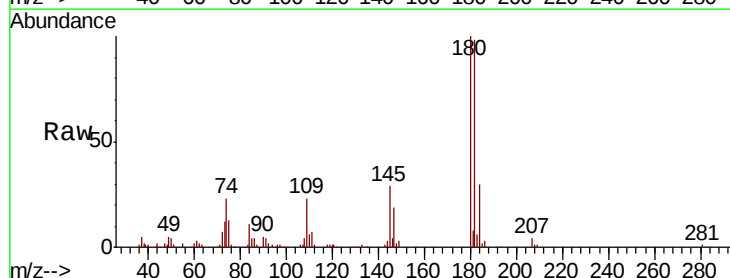
RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053243.D

Acq: 2 Jan 2019 12:51

Tgt Ion:	180	Resp:	152549
Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	29.5	15.0	45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

