

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010219\
 Data File : VN053240.D
 Acq On : 2 Jan 2019 11:31
 Operator : MD\SY
 Sample : VN0102WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 9:55:35 AM

Quant Time: Jan 03 01:56:09 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	892497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1380248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1172274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	501821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	517083	57.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.18%	
35) Dibromofluoromethane	7.59	113	438335	69.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.04%	
50) Toluene-d8	10.09	98	1798274	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.40	95	586197	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	161080	17.833	ug/l	98
3) Chloromethane	2.06	50	198093	18.098	ug/l	97
4) Vinyl Chloride	2.19	62	209418	18.891	ug/l	99
5) Bromomethane	2.58	94	136354	17.753	ug/l	98
6) Chloroethane	2.71	64	127050	19.351	ug/l	98
7) Trichlorofluoromethane	3.03	101	288491	20.890	ug/l	99
8) Diethyl Ether	3.42	74	114529	21.983	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	183414	20.831	ug/l	97
10) Methyl Iodide	3.96	142	228907	18.512	ug/l	99
11) Tert butyl alcohol	4.78	59	59033	106.821	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	175135	20.588	ug/l	98
13) Acrolein	3.61	56	50420	100.620	ug/l	98
14) Allyl chloride	4.33	41	273242	20.737	ug/l	97
15) Acrylonitrile	4.99	53	338599	110.288	ug/l	100
16) Acetone	3.82	43	233963	131.749	ug/l	97
17) Carbon Disulfide	4.06	76	456970	16.472	ug/l	100
18) Methyl Acetate	4.33	43	191945	24.334	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	506603	22.254	ug/l	99
20) Methylene Chloride	4.55	84	206271	21.294	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	186893	20.449	ug/l	99
22) Diisopropyl ether	5.95	45	641396	22.805	ug/l	99
23) Vinyl Acetate	5.90	43	1828396	113.052	ug/l	98
24) 1,1-Dichloroethane	5.85	63	365200	21.851	ug/l	100
25) 2-Butanone	6.84	43	358236	120.203	ug/l	100
26) 2,2-Dichloropropane	6.83	77	271309	21.266	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	222811	21.534	ug/l	99
28) Bromochloromethane	7.20	49	173484	23.955	ug/l	98
29) Tetrahydrofuran	7.21	42	250758	112.656	ug/l	99
30) Chloroform	7.37	83	359354	21.888	ug/l	100
31) Cyclohexane	7.66	56	321072	19.850	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	297049	21.239	ug/l	99
36) 1,1-Dichloropropene	7.80	75	266015	20.080	ug/l	99
37) Ethyl Acetate	6.93	43	162958	22.034	ug/l	100
38) Carbon Tetrachloride	7.77	117	254457	20.955	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	296738	18.438	ug/l	99
40) Benzene	8.04	78	820695	20.827	ug/l	98
41) Methacrylonitrile	7.17	41	97225	22.753	ug/l	96
42) 1,2-Dichloroethane	8.12	62	248324	21.332	ug/l	100
43) Isopropyl Acetate	8.17	43	302251	20.503	ug/l	98
44) Trichloroethene	8.84	130	222791	19.547	ug/l	99
45) 1,2-Dichloropropane	9.12	63	225176	21.938	ug/l	100
46) Dibromomethane	9.21	93	126602	21.173	ug/l	97
47) Bromodichloromethane	9.40	83	269218	21.182	ug/l	100
48) Methyl methacrylate	9.20	41	146720	20.444	ug/l	97
49) 1,4-Dioxane	9.20	88	33350	367.371	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	796951	111.273	ug/l	99
52) Toluene	10.16	92	494396	20.242	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	266036	19.905	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	316701	20.644	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	186305	21.864	ug/l	98
56) Ethyl methacrylate	10.43	69	236641	20.982	ug/l	95
57) 1,3-Dichloropropane	10.71	76	315705	21.606	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	664611	107.337	ug/l	99
59) 2-Hexanone	10.75	43	513236	105.914	ug/l	100
60) Dibromochloromethane	10.90	129	201437	20.652	ug/l	100
61) 1,2-Dibromoethane	11.01	107	178321	20.605	ug/l	100
64) Tetrachloroethene	10.63	164	237538	18.706	ug/l	99
65) Chlorobenzene	11.43	112	539893	20.776	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	199863	22.117	ug/l	99
67) Ethyl Benzene	11.51	91	914775	20.470	ug/l	99
68) m/p-Xylenes	11.62	106	684099	40.267	ug/l	99
69) o-Xylene	11.95	106	335623	20.588	ug/l	100
70) Styrene	11.96	104	543491	20.445	ug/l	99
71) Bromoform	12.13	173	134332	20.577	ug/l #	98
73) Isopropylbenzene	12.25	105	888252	22.623	ug/l	99
74) N-amyl acetate	12.07	43	233316	21.403	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	201967	26.220	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	172043m	20.366	ug/l	
77) Bromobenzene	12.53	156	226437	22.186	ug/l	97
78) n-propylbenzene	12.59	91	970113	21.694	ug/l	99
79) 2-Chlorotoluene	12.67	91	581905	20.994	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	683690	21.363	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55502	21.176	ug/l	98
82) 4-Chlorotoluene	12.77	91	579583	21.361	ug/l	100
83) tert-Butylbenzene	12.99	119	618291	21.845	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	690214	21.454	ug/l	99
85) sec-Butylbenzene	13.17	105	794772	20.760	ug/l	100
86) p-Isopropyltoluene	13.29	119	669979	20.253	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	369658	20.464	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	363376	19.864	ug/l	100
89) n-Butylbenzene	13.62	91	518712	18.227	ug/l	100
90) Hexachloroethane	13.88	117	106916	21.061	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	350381	20.610	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26795	20.118	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	156777	17.795	ug/l	99
94) Hexachlorobutadiene	15.01	225	104195	20.657	ug/l	99
95) Naphthalene	15.13	128	325974	17.289	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	143531	18.024	ug/l	98

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

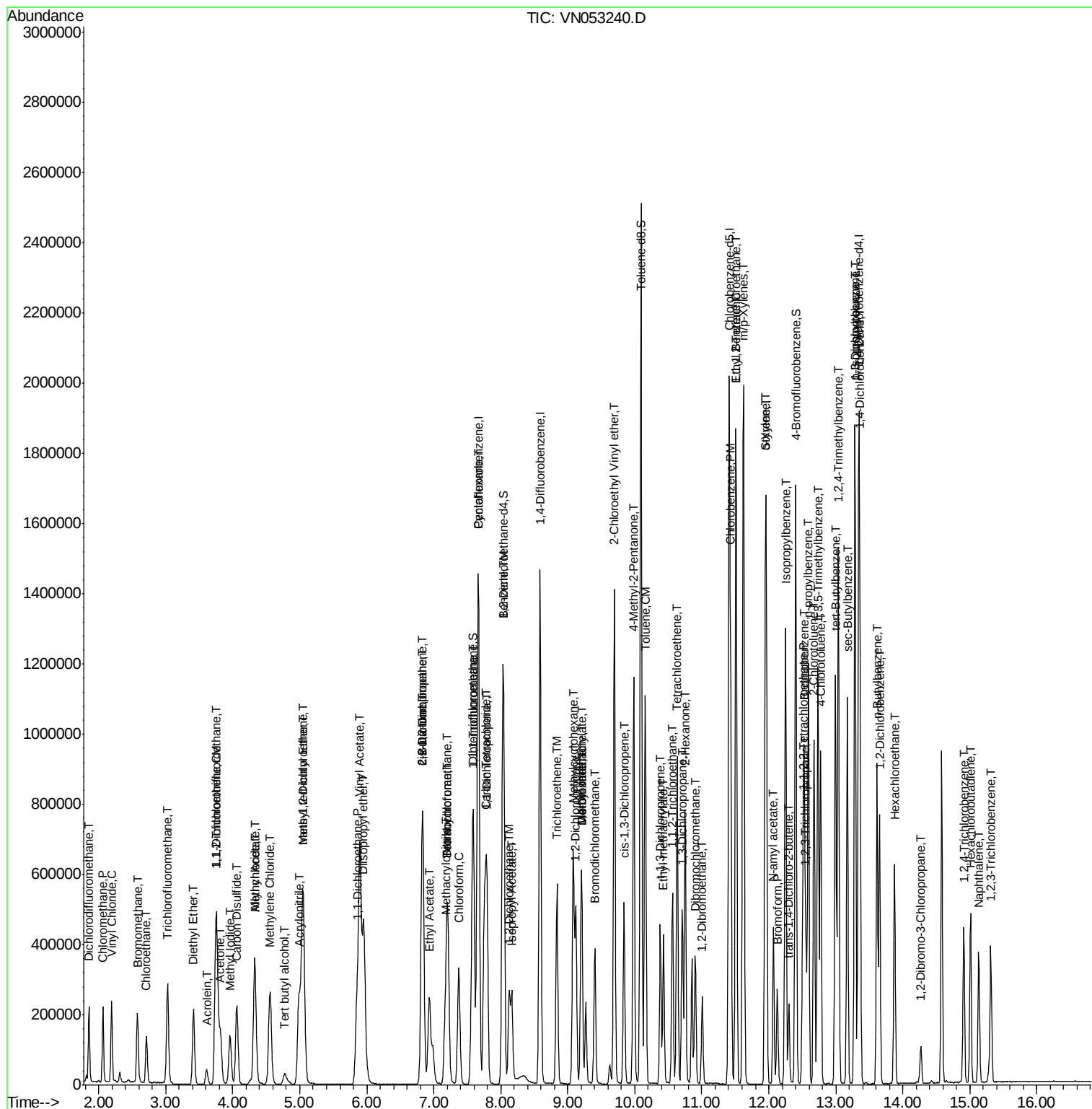
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010219\
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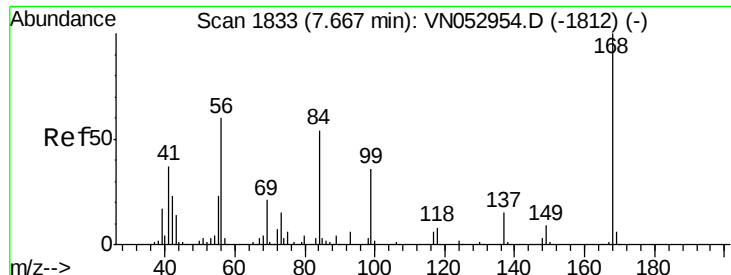
Instrument :
MSVOA_N
Client Sample Id :
VN0102WBS01

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS01

Tot Ion:168 Resp: 892497

Ion Ratio Lower Upper

168 100

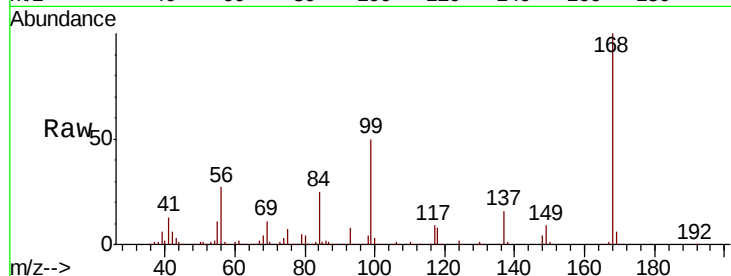
99 49.9 40.2 60.2

Manual Integrations

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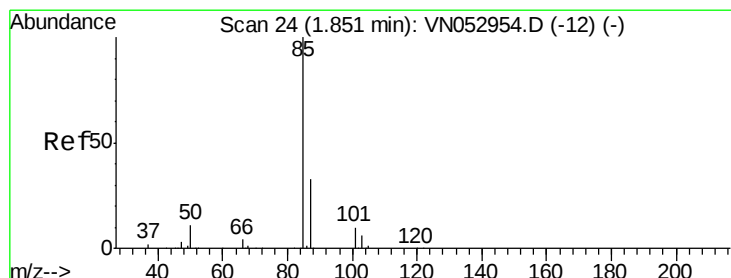
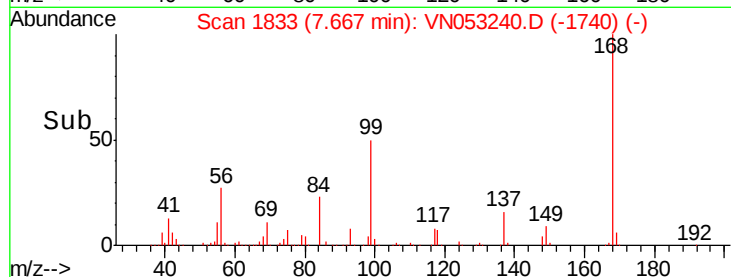
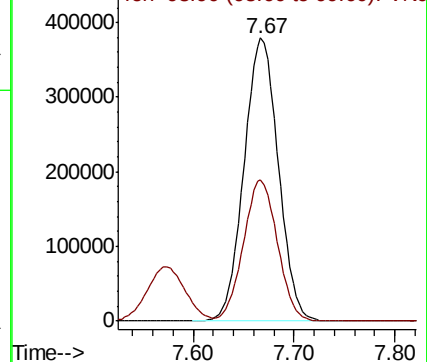
MMDadoda

1/3/2019 9:55:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.833 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053240.D

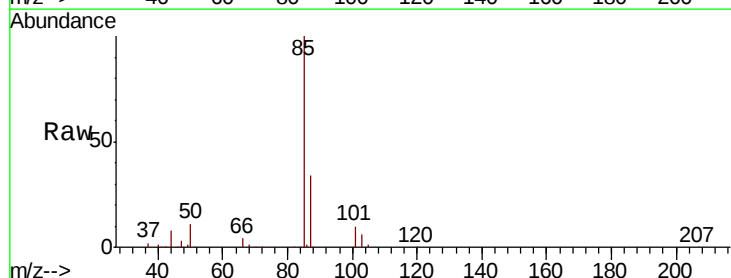
Acq: 2 Jan 2019 11:31

Tgt Ion: 85 Resp: 161080

Ion Ratio Lower Upper

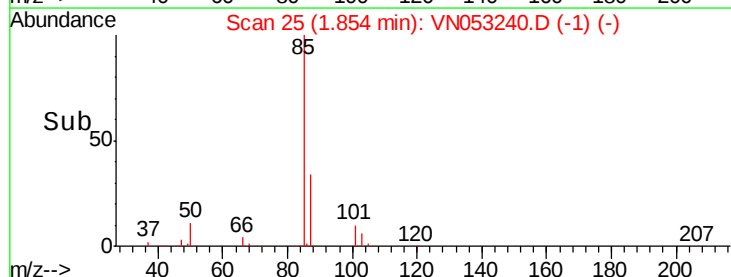
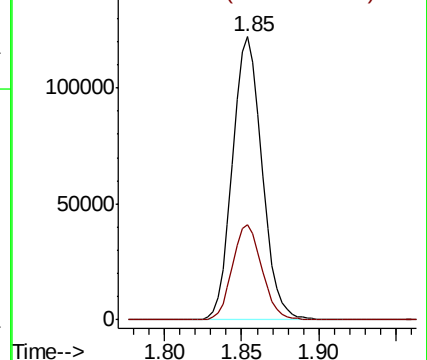
85 100

87 33.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.098 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

ClientSampled :

VN0102WBS01

Tot Ion: 50 Resp: 198093

Ion Ratio Lower Upper

50 100

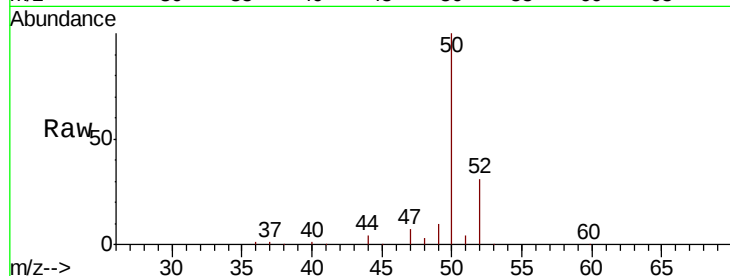
52 30.9 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

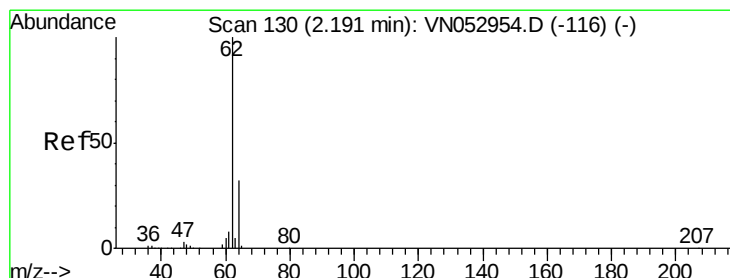
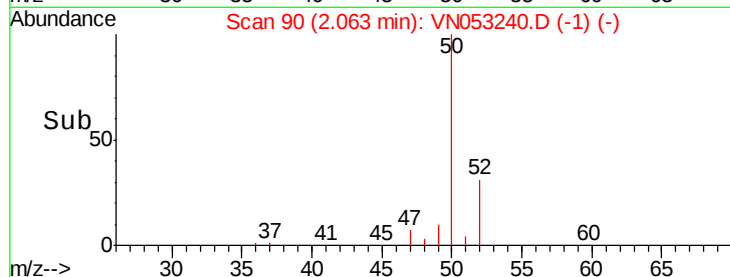
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.891 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053240.D

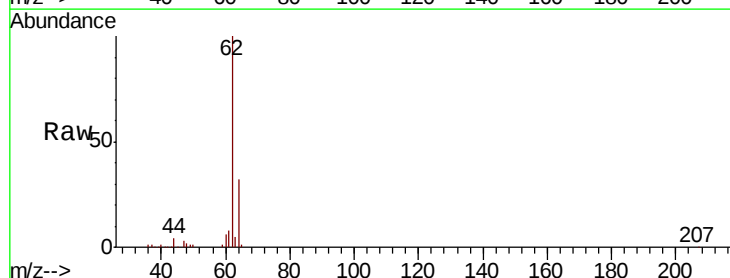
Acq: 2 Jan 2019 11:31

Tgt Ion: 62 Resp: 209418

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

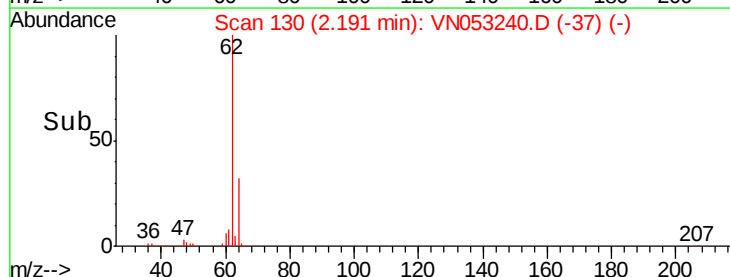
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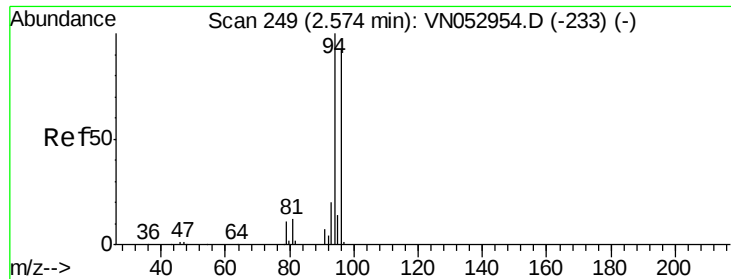
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50000

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Time-->





#5

Bromomethane

Concen: 17.753 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS01

Tot Ion: 94 Resp: 136354

Ion Ratio Lower Upper

94 100

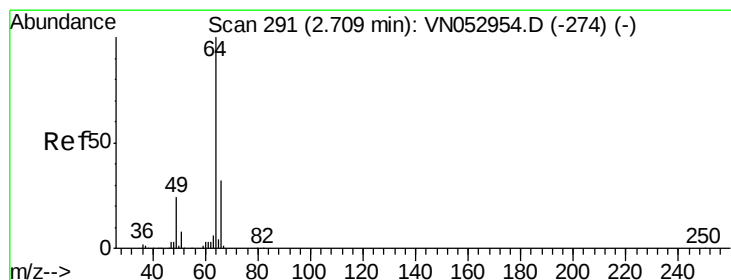
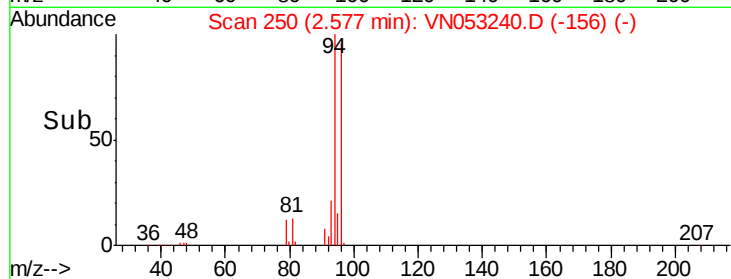
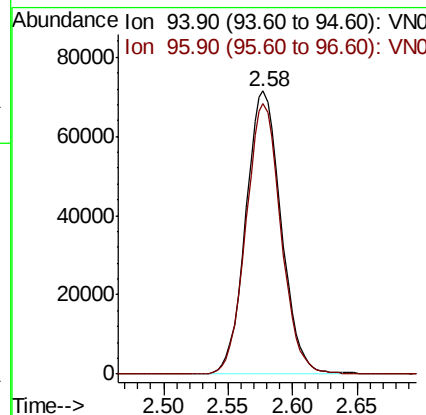
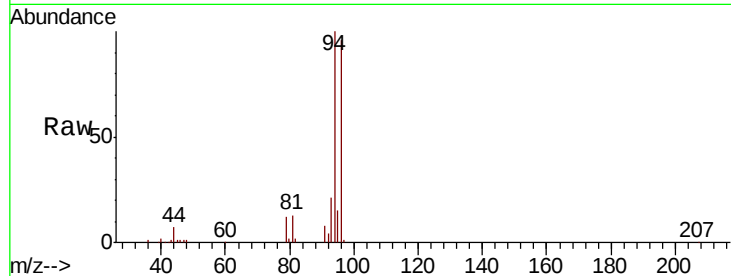
96 95.7 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 19.351 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053240.D

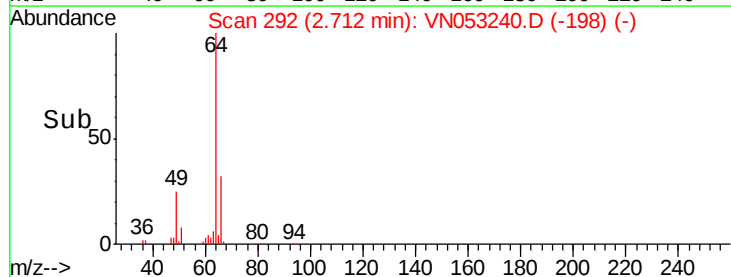
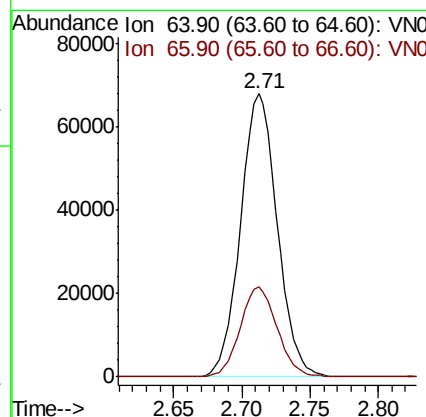
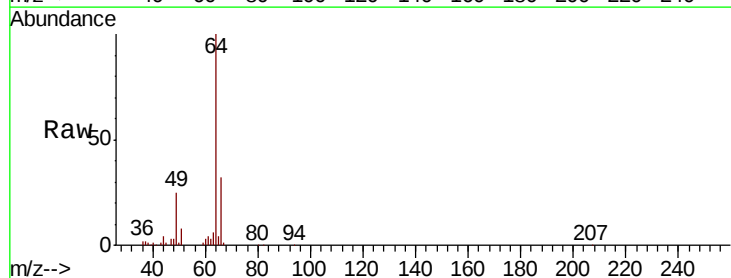
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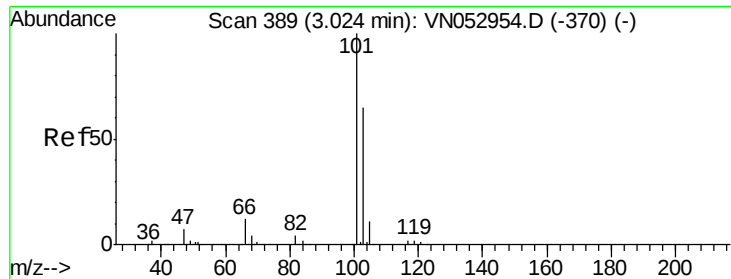
Tgt Ion: 64 Resp: 127050

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2





#7

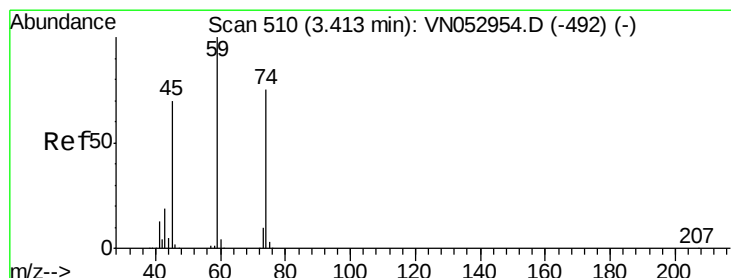
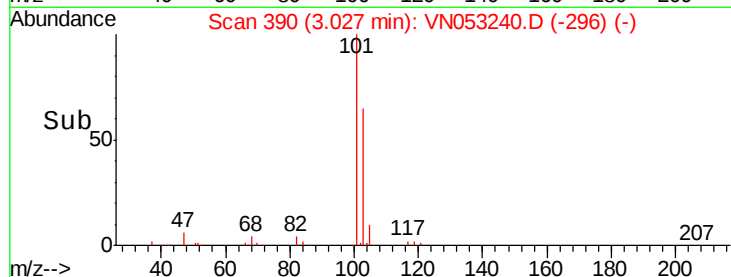
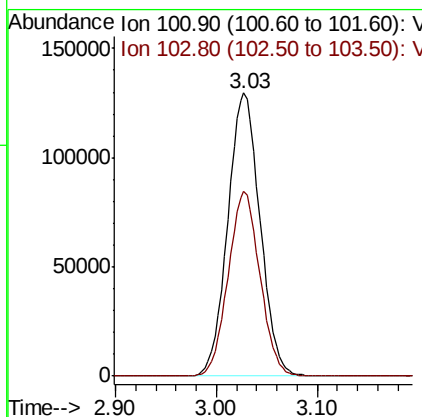
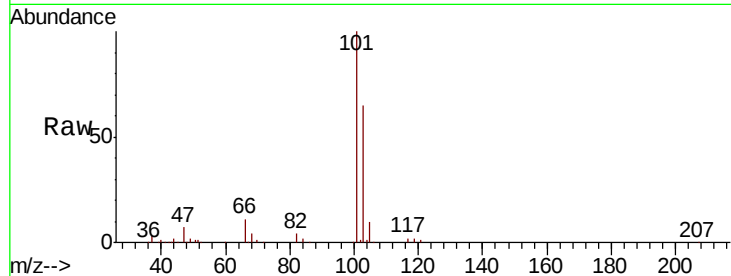
Trichlorofluoromethane
 Concen: 20.890 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.8	77.6

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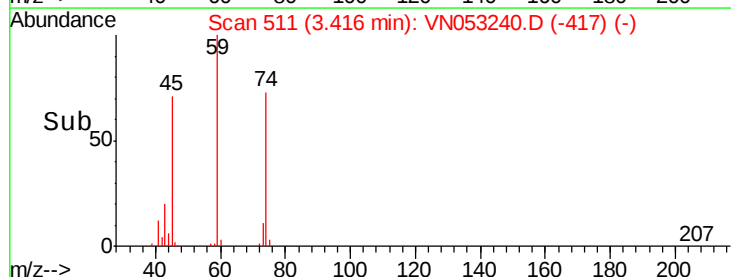
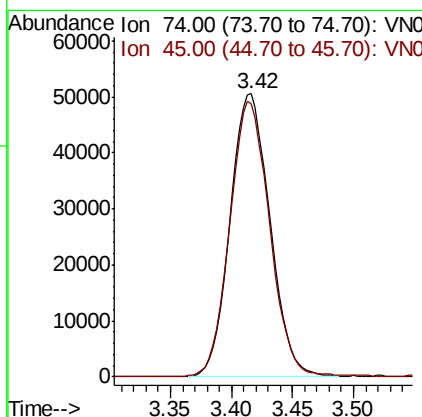
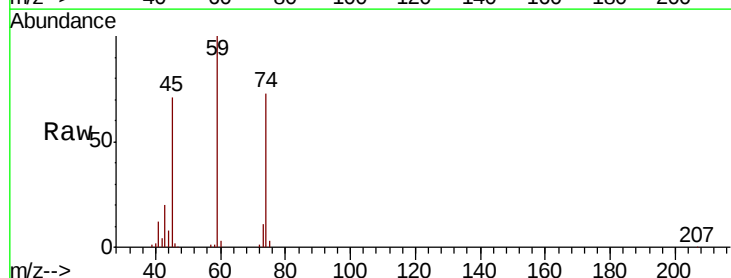
MMDadoda
 1/3/2019 9:55:35 AM

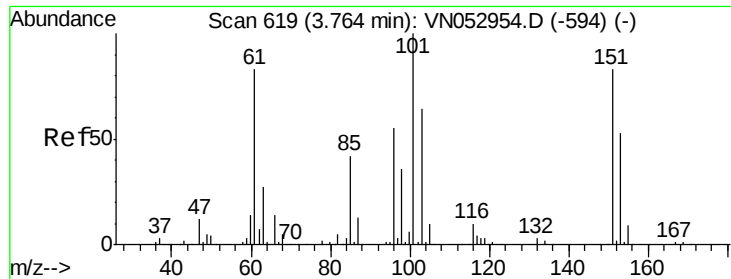


#8

Diethyl Ether
 Concen: 21.983 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN053240.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	49.4	148.0





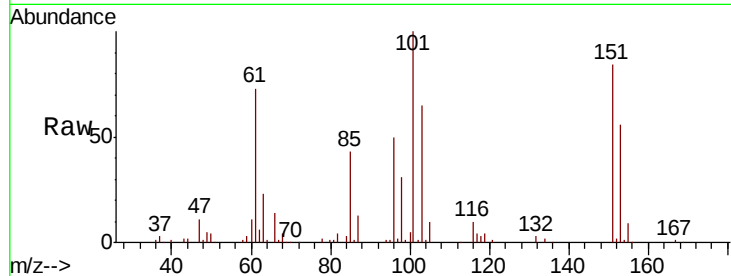
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.831 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0102WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	183414		
85	42.1	33.6	50.4	
151	85.6	65.5	98.3	

Manual Integrations
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 1/3/2019 9:55:35 AM

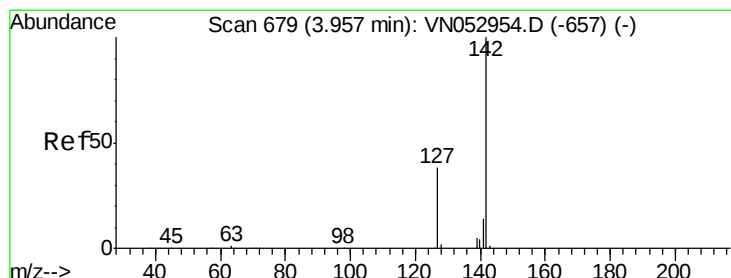
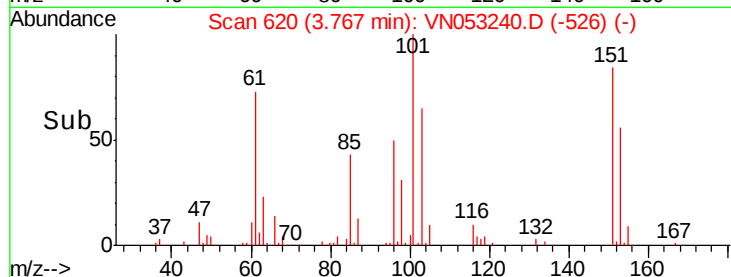
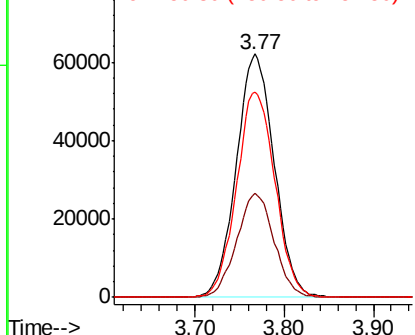


Abundance

Ion 100.90 (100.60 to 101.60): V

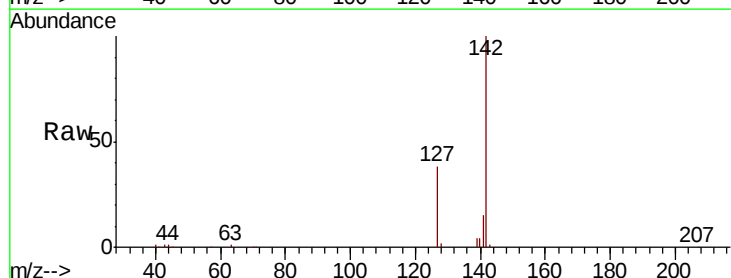
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 18.512 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	228907		
127	38.2	31.0	46.6	
141	14.2	11.2	16.8	

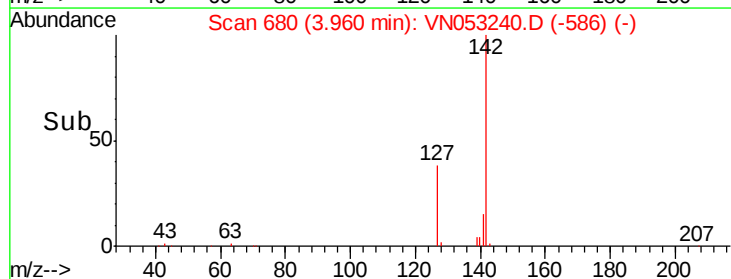
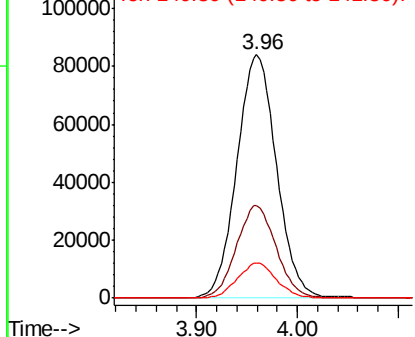


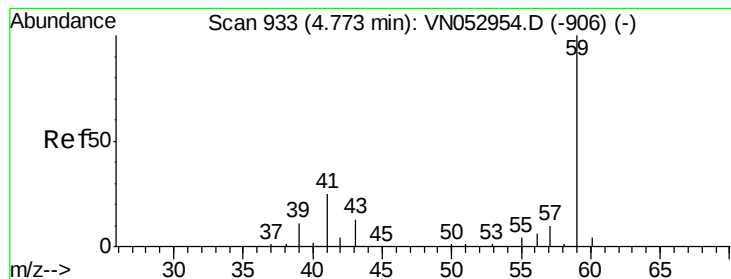
Abundance

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

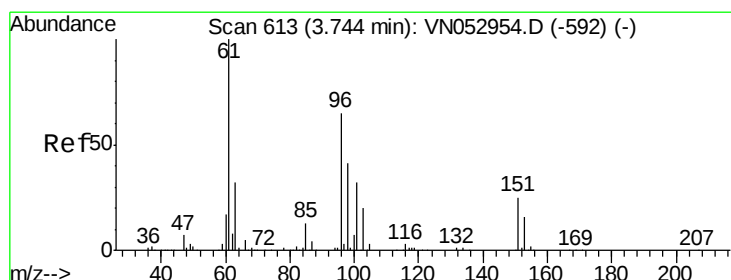
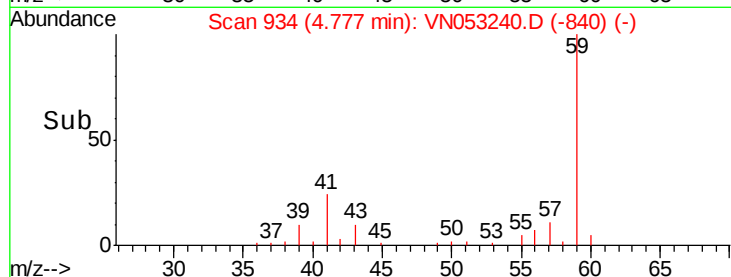
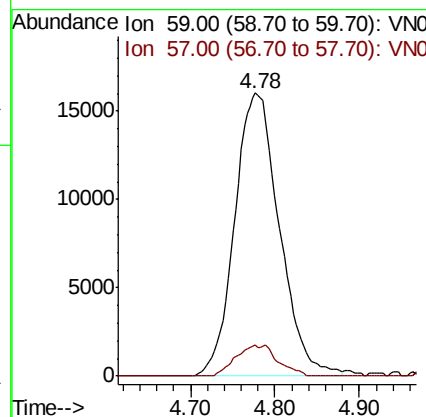
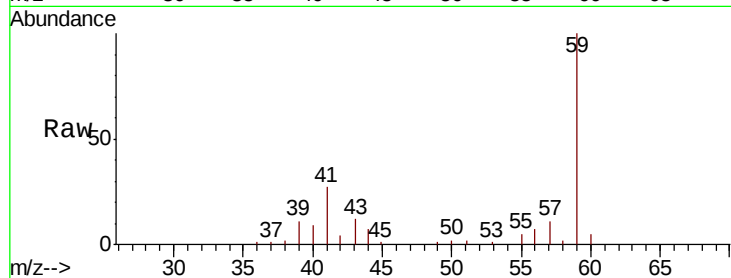
Tert butyl alcohol
 Concen: 106.821 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0102WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.1	7.7	11.5#

Manual Integrations
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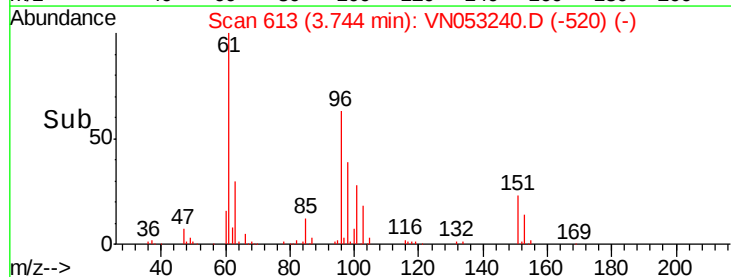
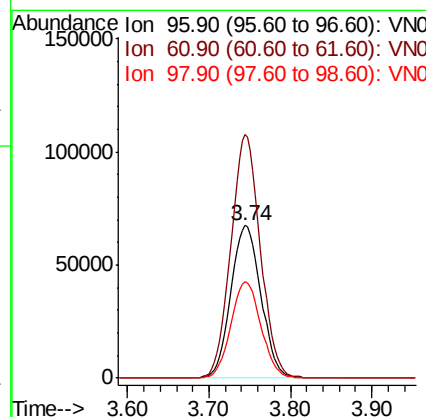
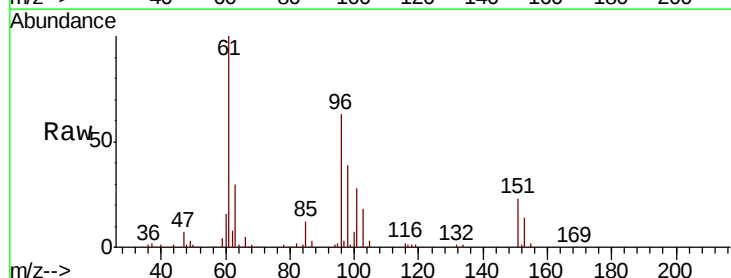
MMDadoda
 1/3/2019 9:55:35 AM

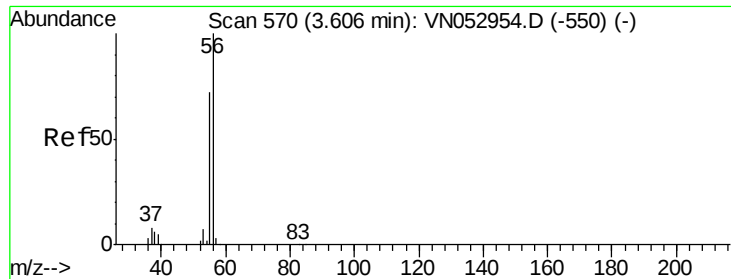


#12

1,1-Dichloroethene
 Concen: 20.588 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	125.6	188.4
98	63.0	50.6	75.8





#13

Acrolein

Concen: 100.620 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS01

Tot Ion: 56 Resp: 50420

Ion Ratio Lower Upper

56 100

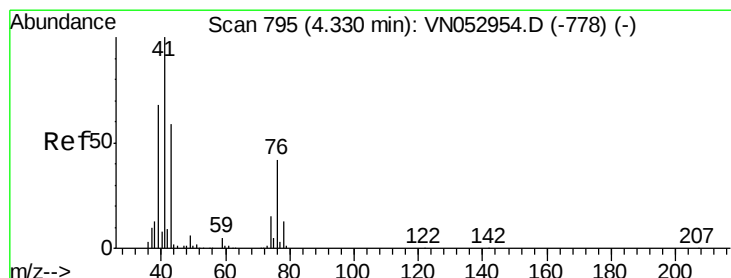
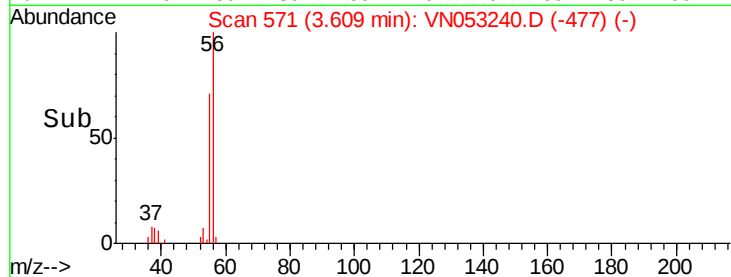
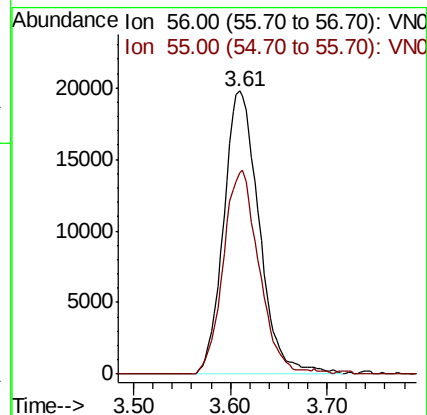
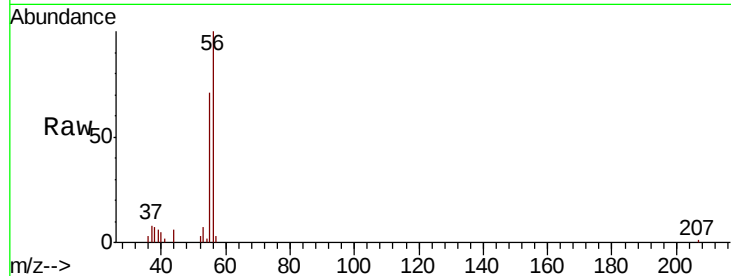
55 72.2 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.737 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

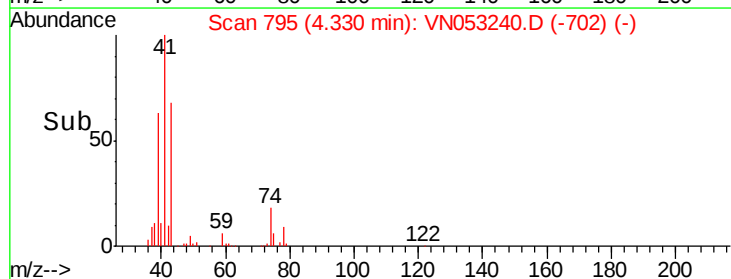
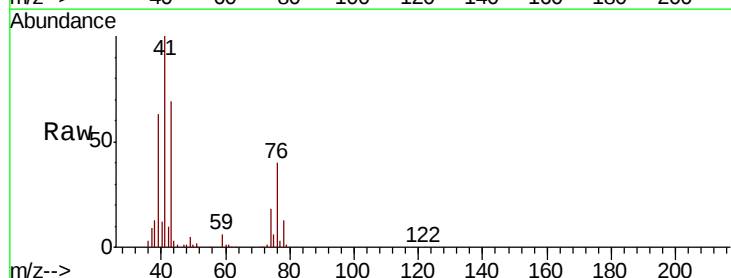
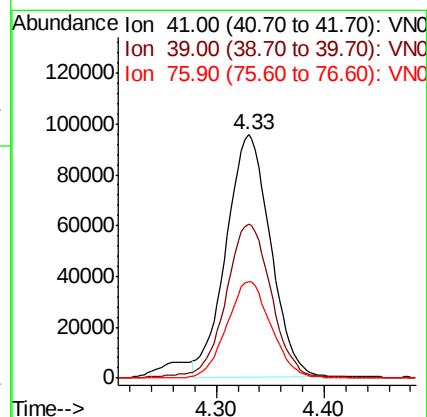
Tgt Ion: 41 Resp: 273242

Ion Ratio Lower Upper

41 100

39 65.6 54.1 81.1

76 39.9 30.3 45.5





#15

Acrylonitrile

Concen: 110.288 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

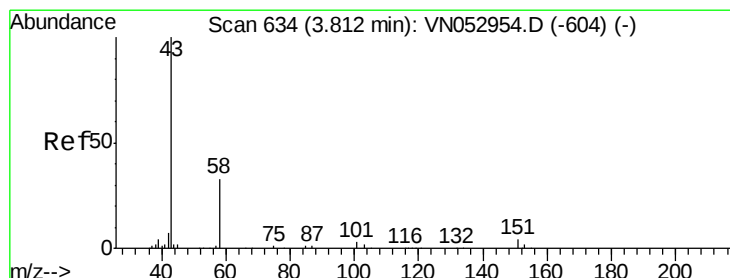
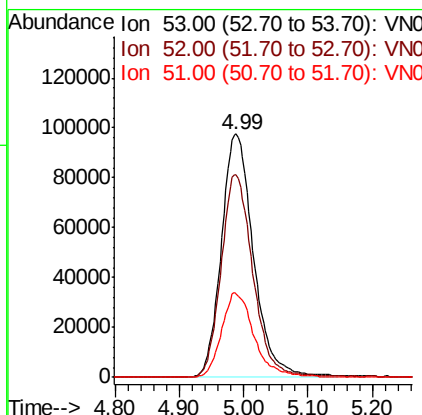
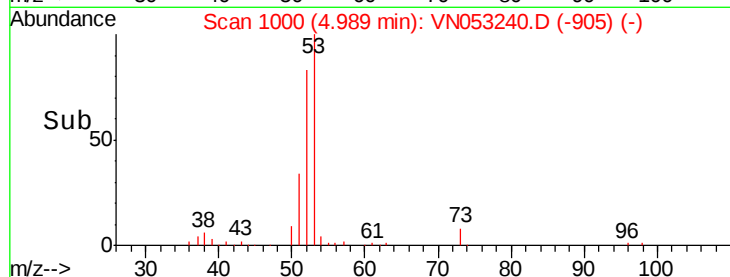
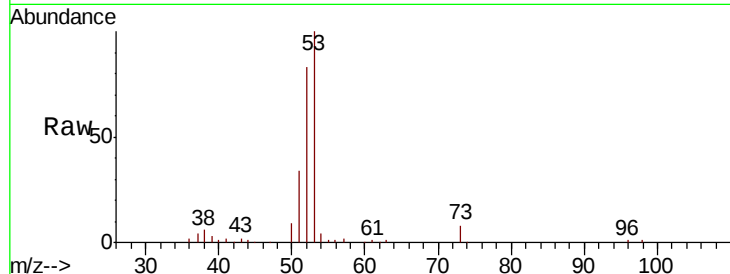
ClientSampleId :

VN0102WBS01

Tot Ion:	53	Resp:	338599
Ion Ratio		Lower	Upper
53	100		
52	81.7	65.1	97.7
51	35.1	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 131.749 ug/l

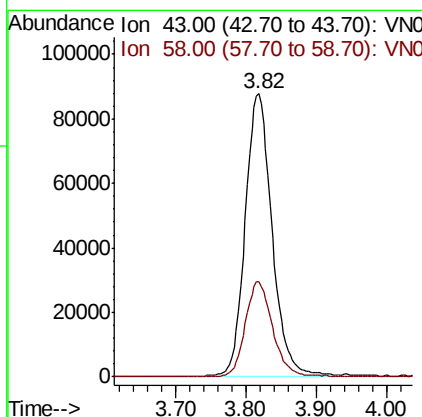
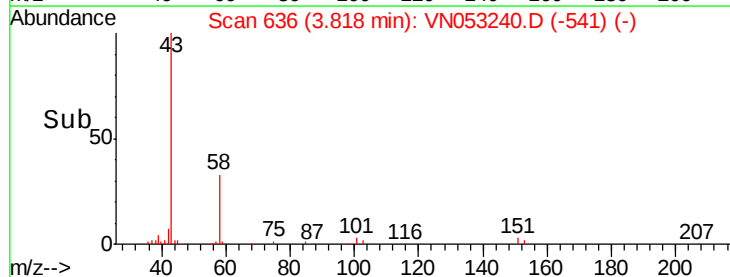
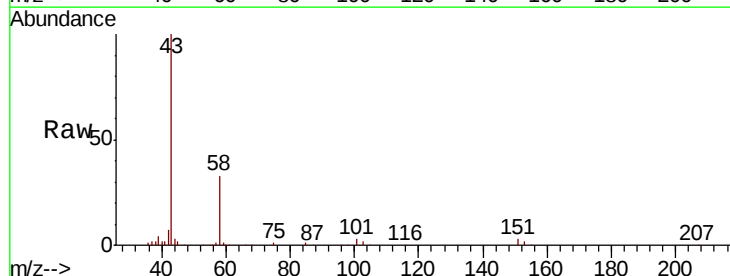
RT: 3.82 min Scan# 636

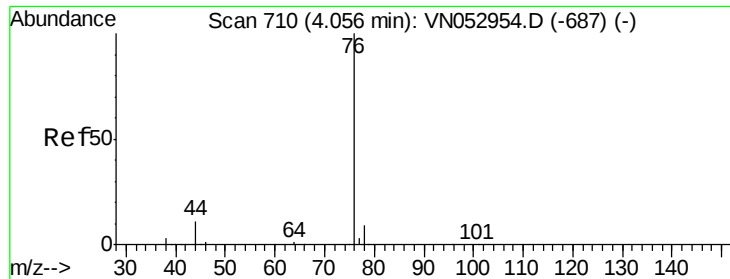
Delta R.T. 0.01 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Tgt Ion:	43	Resp:	233963
Ion Ratio		Lower	Upper
43	100		
58	33.4	25.4	38.0





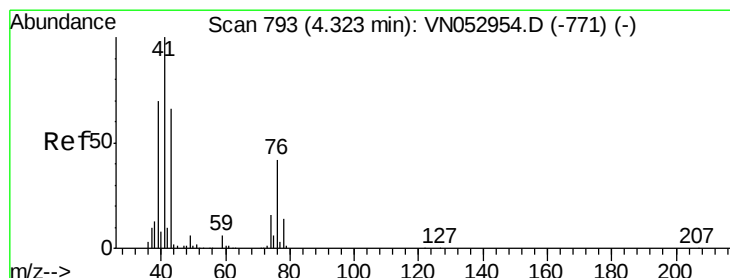
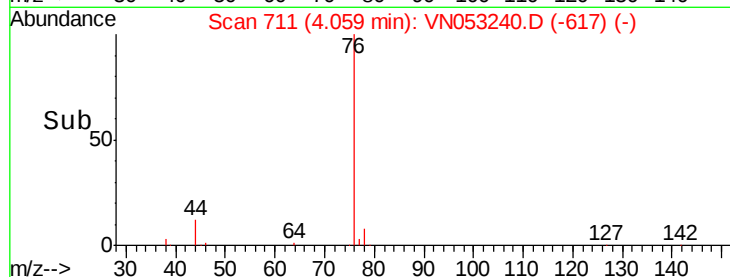
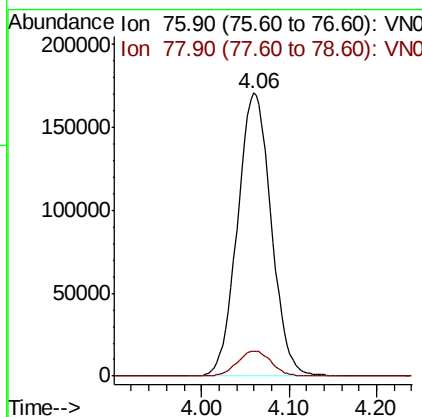
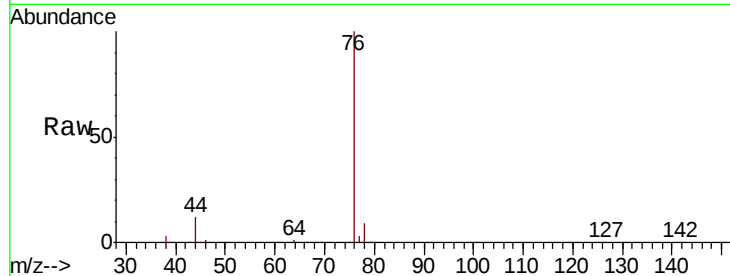
#17
Carbon Disulfide
Concen: 16.472 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

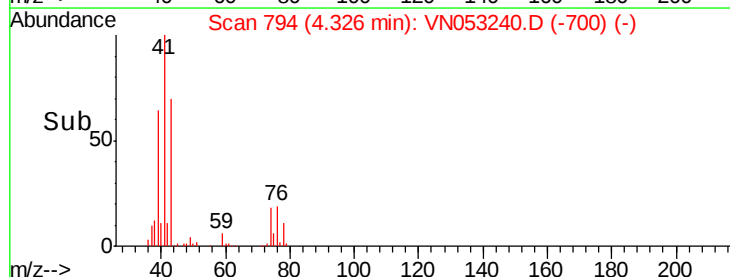
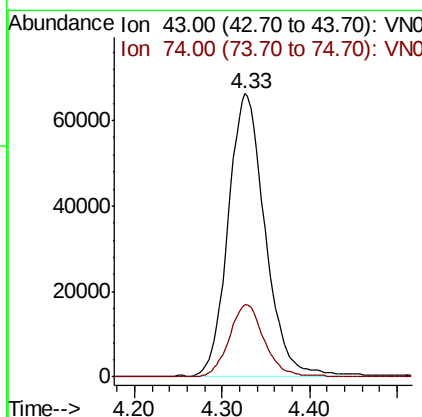
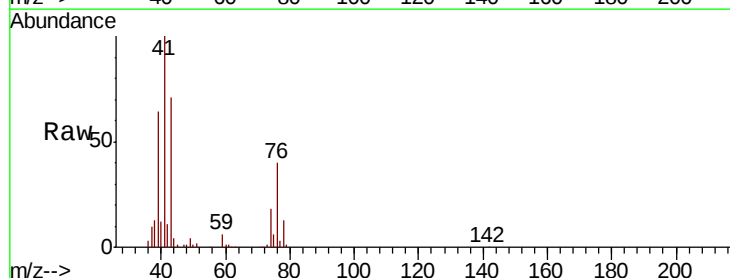
Manual Integrations
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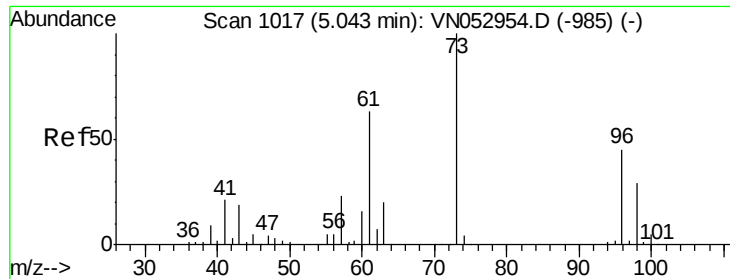
MMDadoda
1/3/2019 9:55:35 AM



#18
Methyl Acetate
Concen: 24.334 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.2	28.8





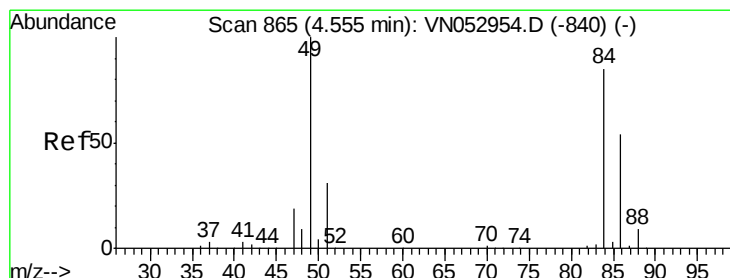
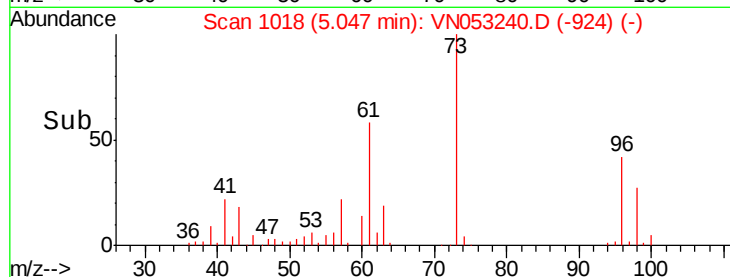
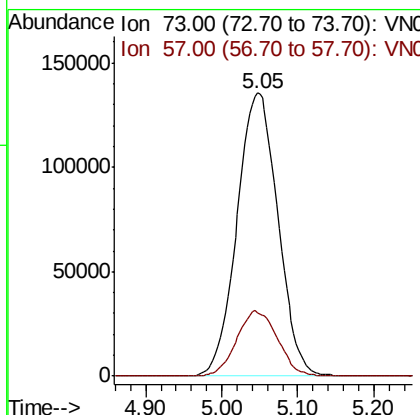
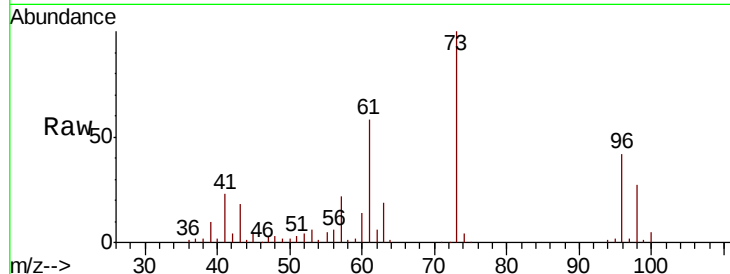
#19
Methvl tert-butvl Ether
Concen: 22.254 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS01

Tot Ion: 73 Resp: 506603
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6

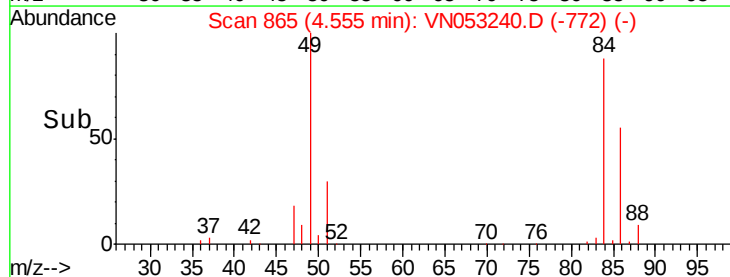
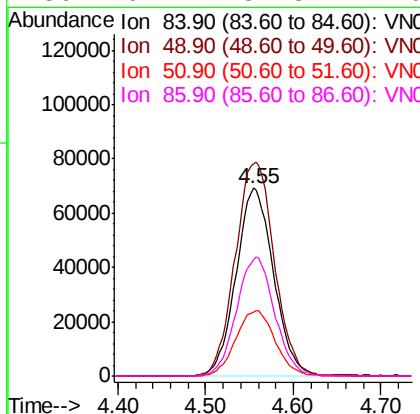
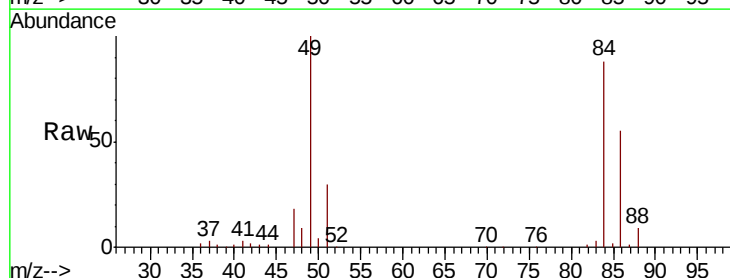
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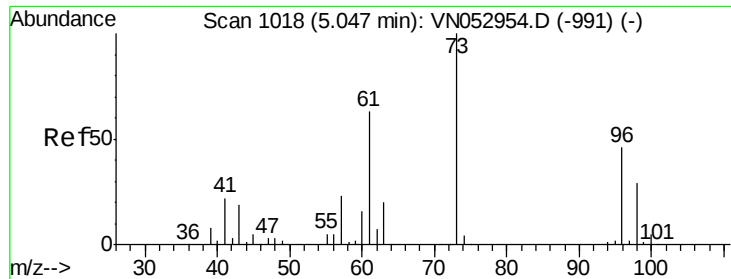
MMDadoda
1/3/2019 9:55:35 AM



#20
Methylene Chloride
Concen: 21.294 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion: 84 Resp: 206271
Ion Ratio Lower Upper
84 100
49 113.6 96.8 145.2
51 34.4 29.9 44.9
86 62.1 51.8 77.6





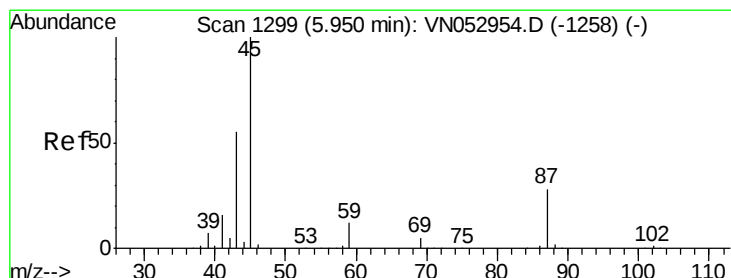
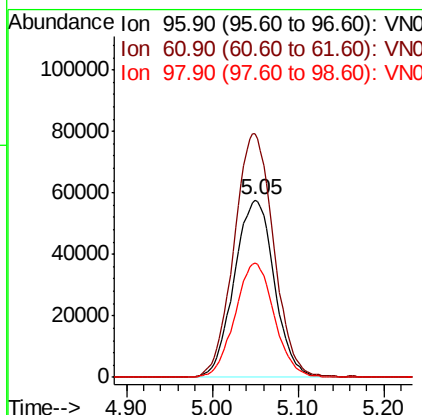
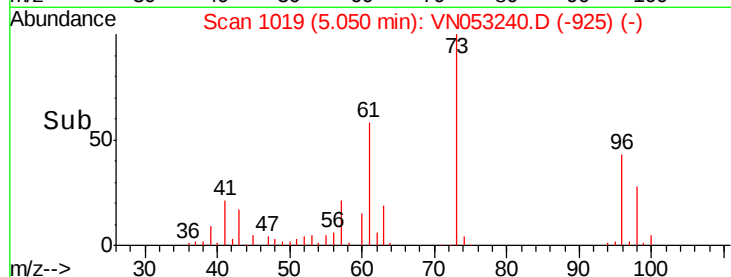
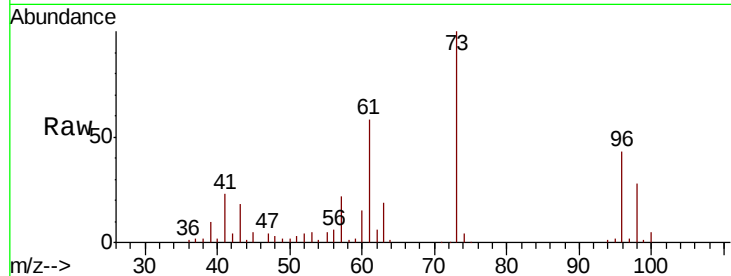
#21
trans-1,2-Dichloroethene
Concen: 20.449 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampled :
VN0102WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	110.8	166.2
98	64.7	51.4	77.2

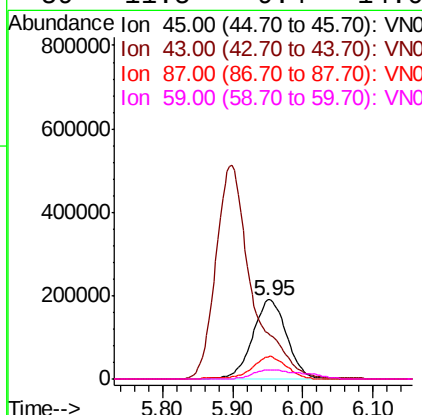
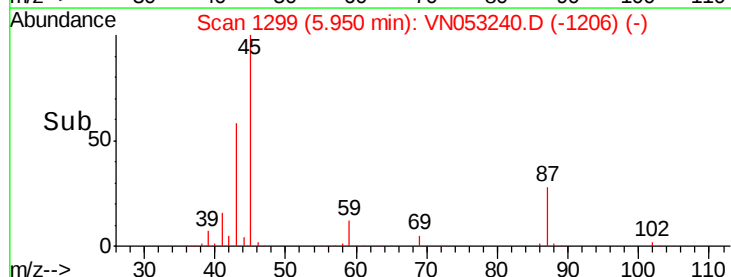
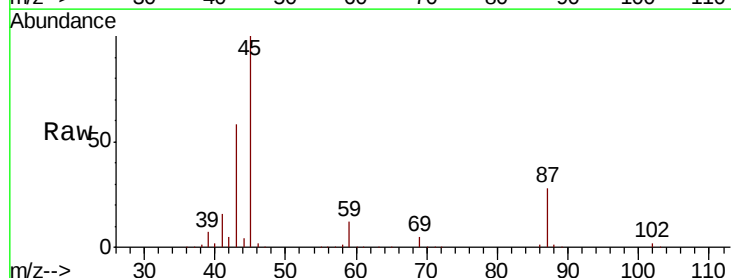
Manual Integrations
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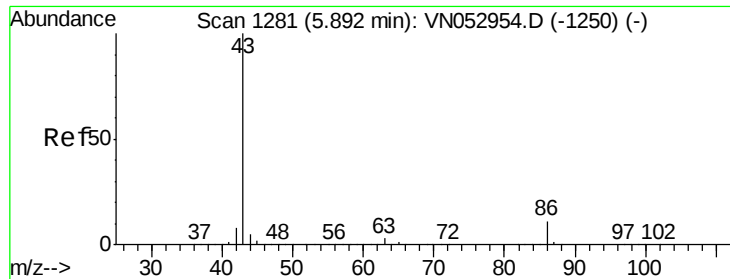
MMDadoda
1/3/2019 9:55:35 AM



#22
Diisopropyl ether
Concen: 22.805 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.4	45.5	68.3
87	28.2	22.0	33.0
59	11.5	9.4	14.0





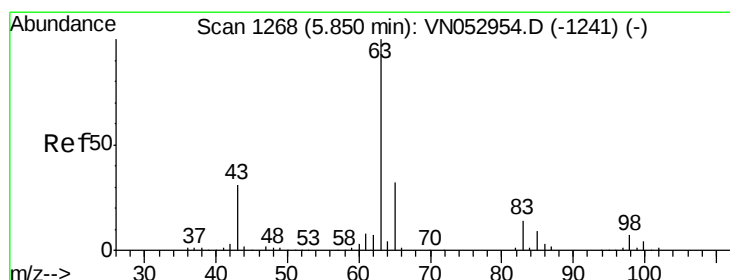
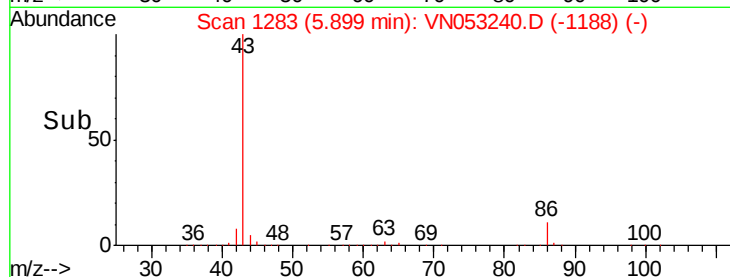
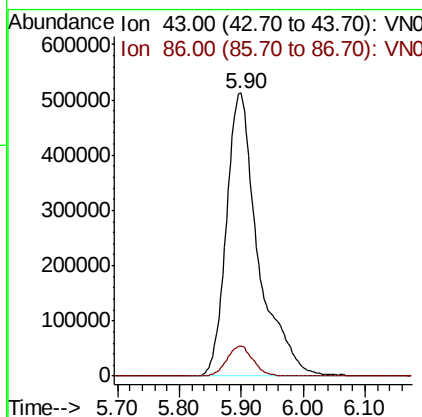
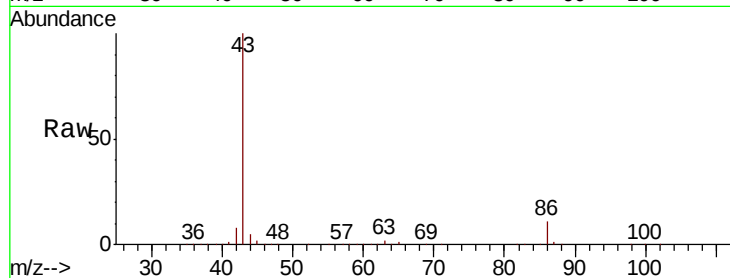
#23
 Vinyl Acetate
 Concen: 113.052 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS01

Tot Ion: 43 Resp: 1828396
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.1 12.1

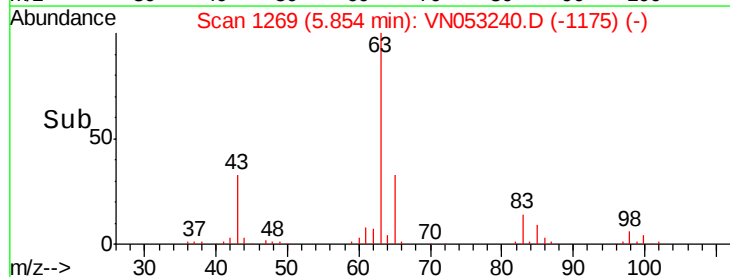
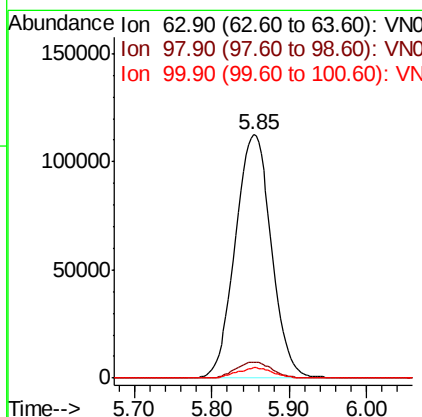
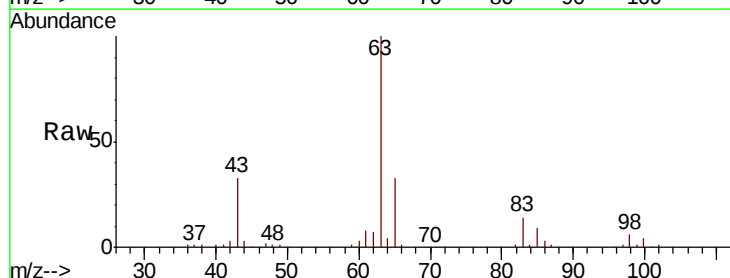
Manual Integrations
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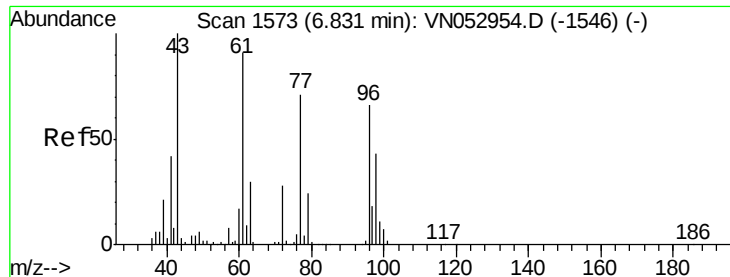
MMDadoda
 1/3/2019 9:55:35 AM



#24
 1,1-Dichloroethane
 Concen: 21.851 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Tgt Ion: 63 Resp: 365200
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.1 9.4
 100 4.2 2.0 5.8





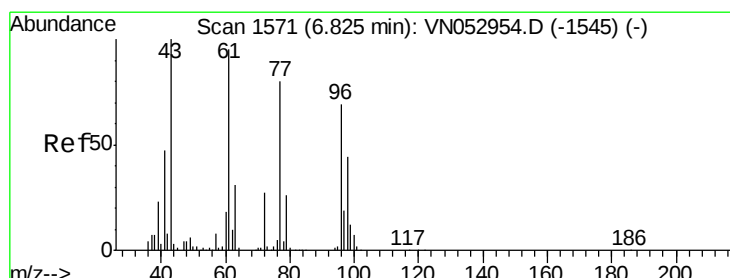
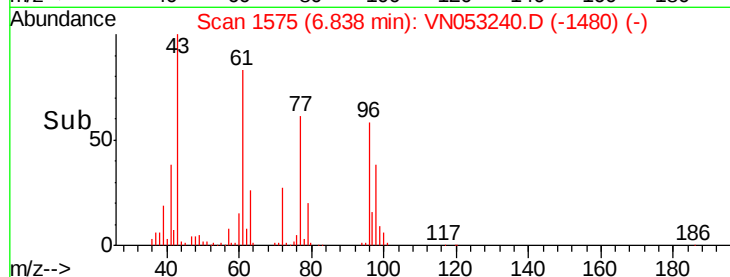
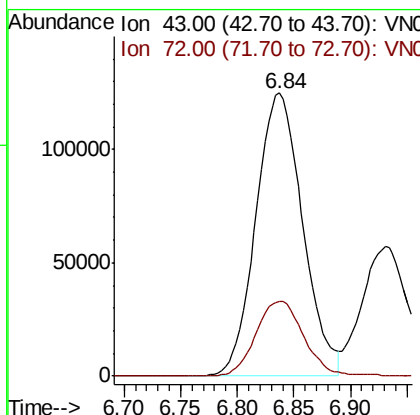
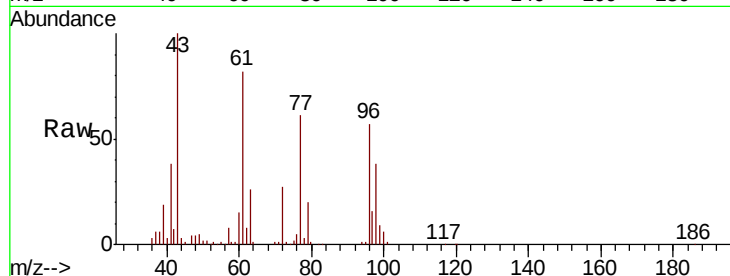
#25
2-Butanone
Concen: 120.203 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.6	21.0	31.6

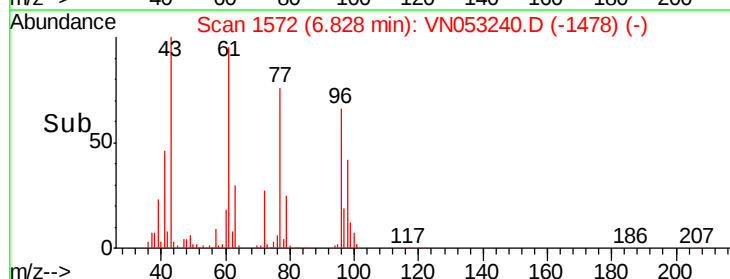
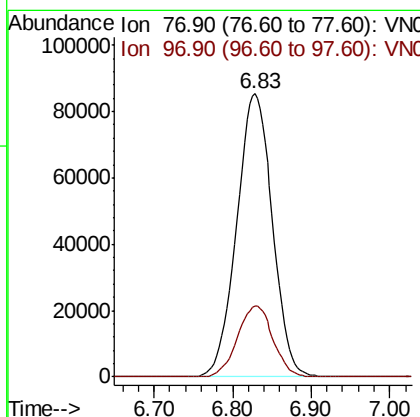
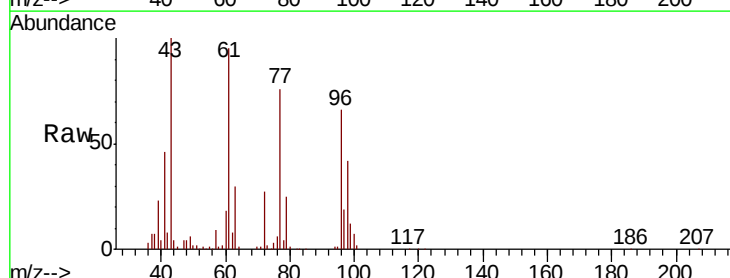
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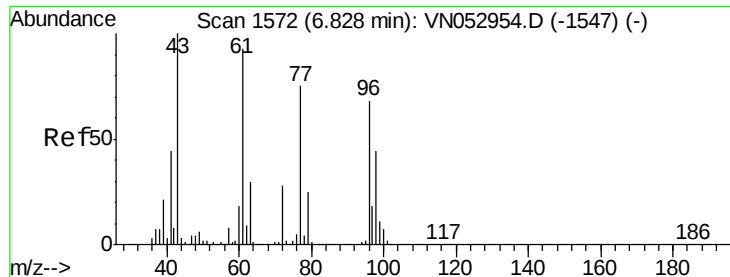
MMDadoda
1/3/2019 9:55:35 AM



#26
2,2-Dichloropropane
Concen: 21.266 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.8	11.9	35.9





#27

cis-1,2-Dichloroethene

Concen: 21.534 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

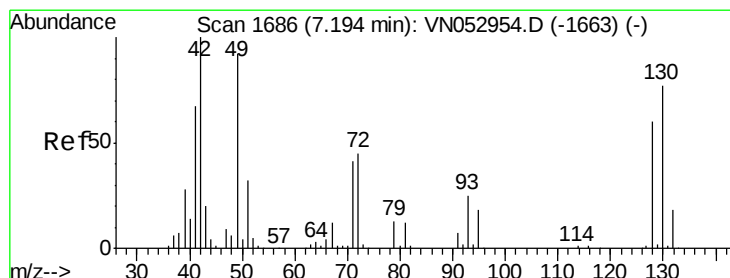
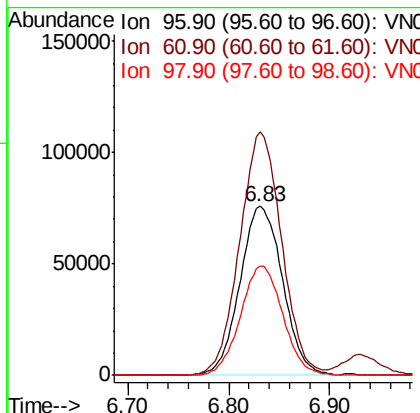
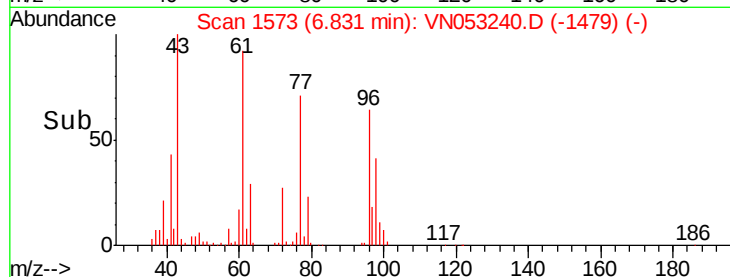
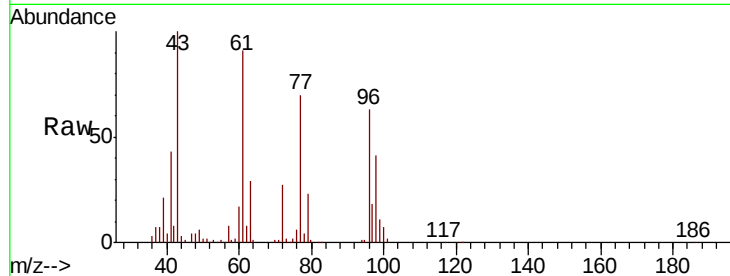
ClientSampled :

VN0102WBS01

Tot Ion:	96	Resp:	222811
Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	284.2
98	64.1	0.0	129.2

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1/3/2019 9:55:35 AM



#28

Bromochloromethane

Concen: 23.955 ug/l

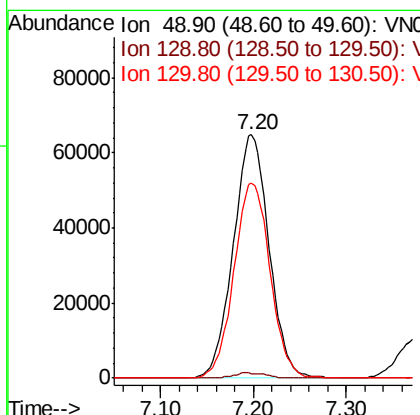
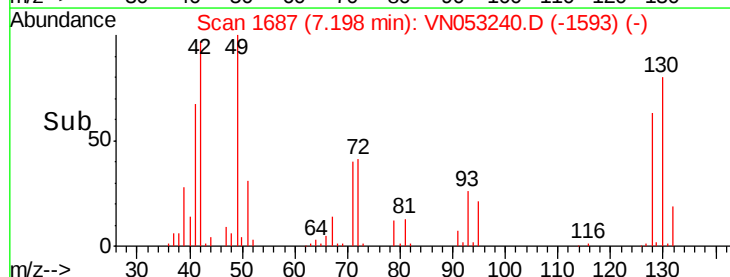
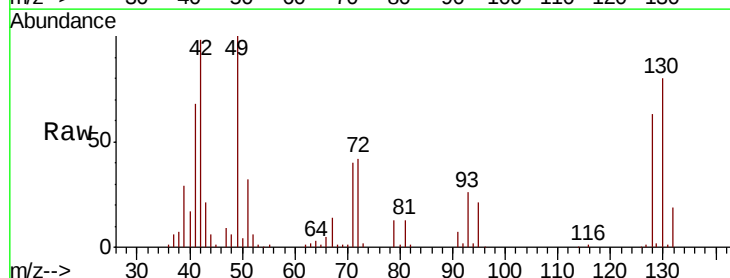
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Tgt Ion:	49	Resp:	173484
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	80.9	63.3	94.9





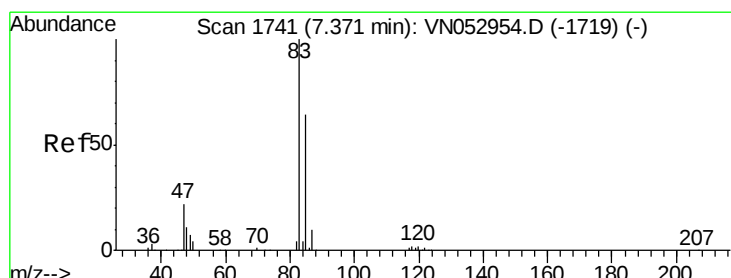
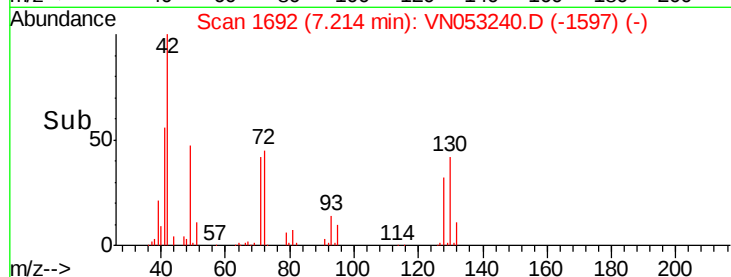
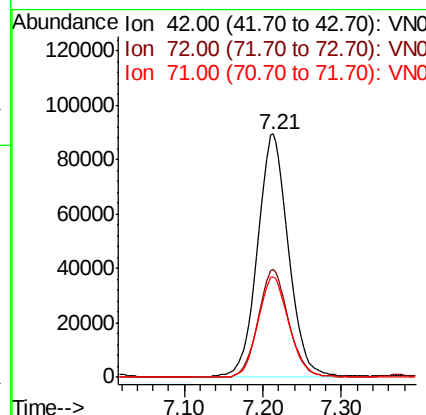
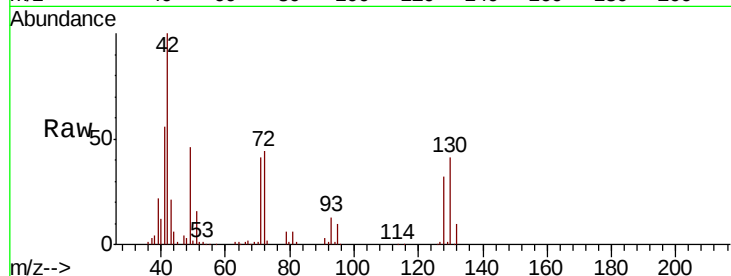
#29
Tetrahydrofuran
Concen: 112.656 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.7	52.1
71	41.1	32.3	48.5

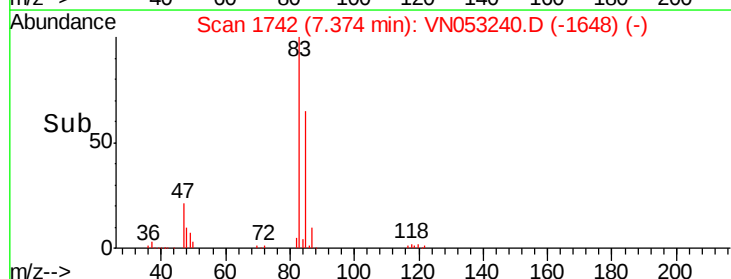
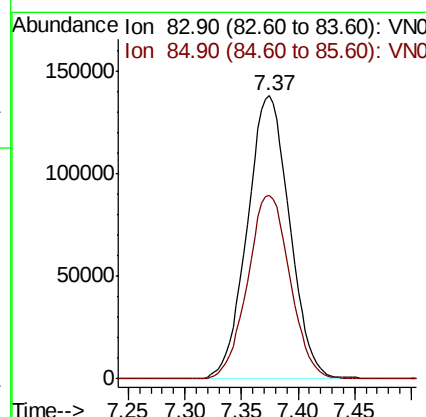
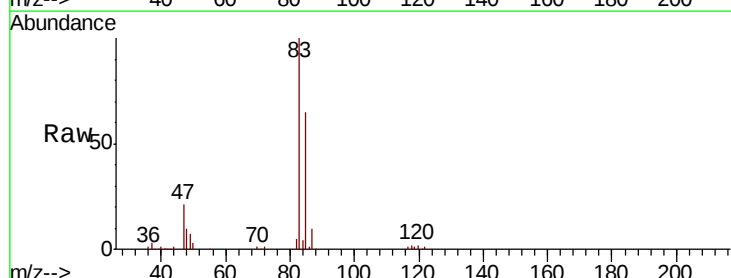
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#30
Chloroform
Concen: 21.888 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.1	78.1





#31

Cyclohexane

Concen: 19.850 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

ClientSampled :

VN0102WBS01

Tot Ion: 56 Resp: 321072

Ion Ratio Lower Upper

56 100

69 37.5 26.6 39.8

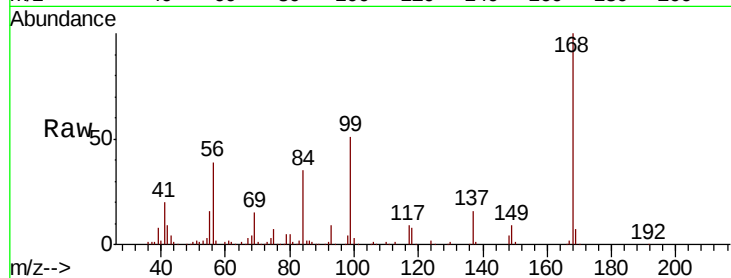
84 89.4 68.4 102.6

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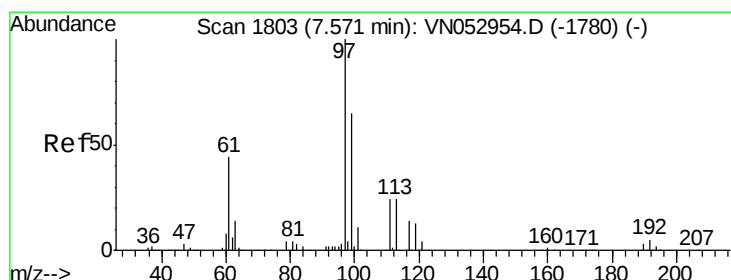
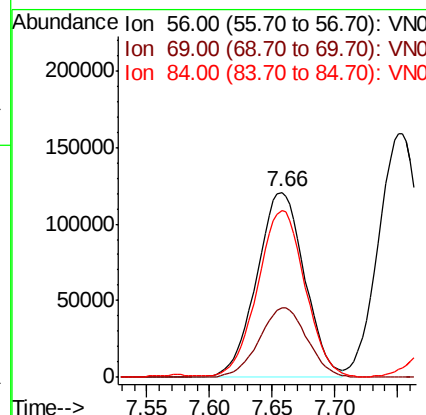
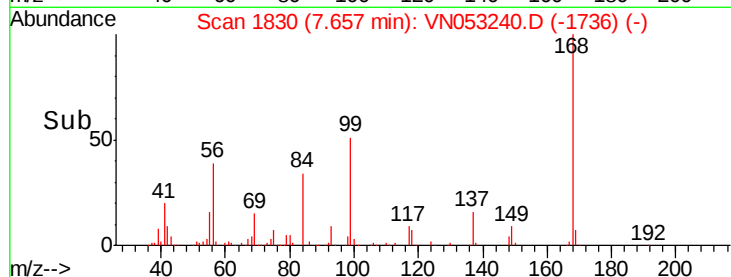
1/3/2019 9:55:35 AM



Abundance Ion 56.00 (55.70 to 56.70): VN053240.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053240.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053240.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 21.239 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

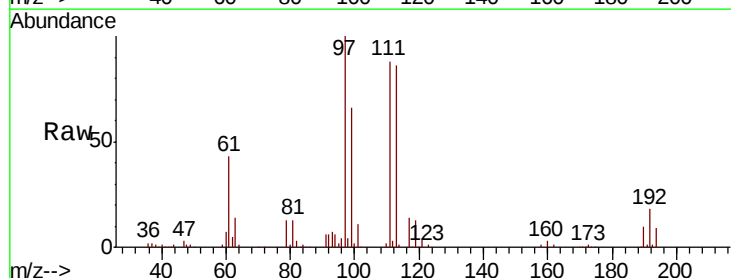
Tgt Ion: 97 Resp: 297049

Ion Ratio Lower Upper

97 100

99 65.1 51.1 76.7

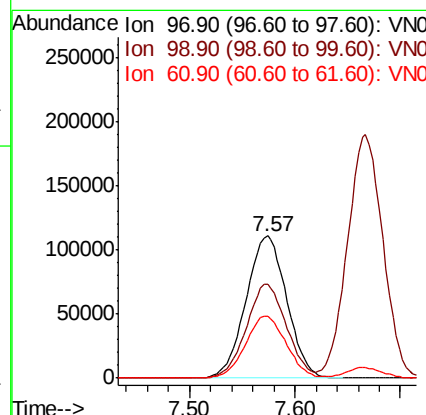
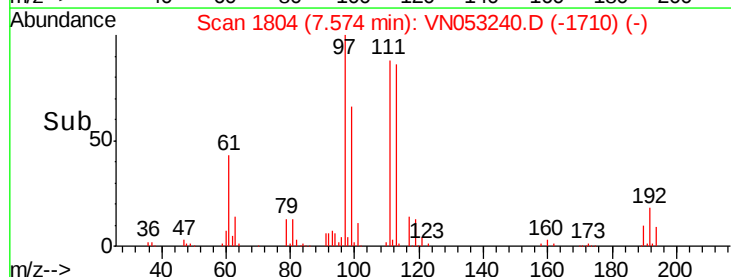
61 43.5 35.0 52.6

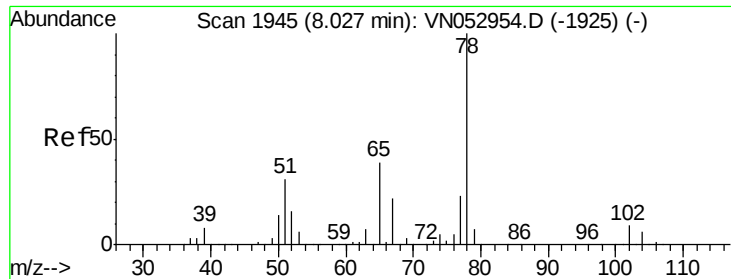


Abundance Ion 96.90 (96.60 to 97.60): VN053240.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053240.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053240.D (-1710) (-)





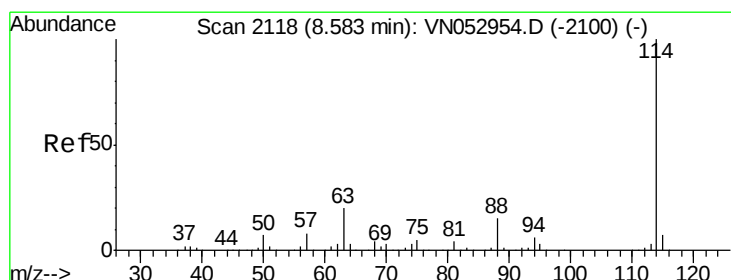
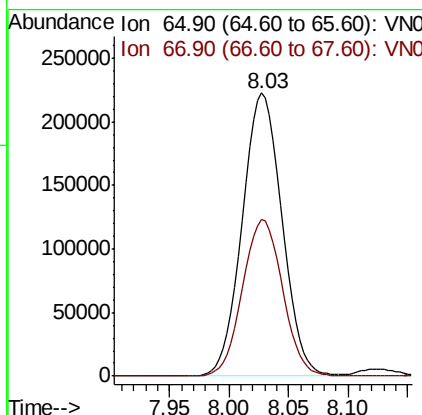
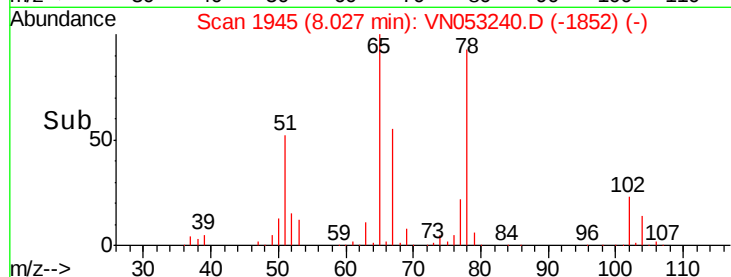
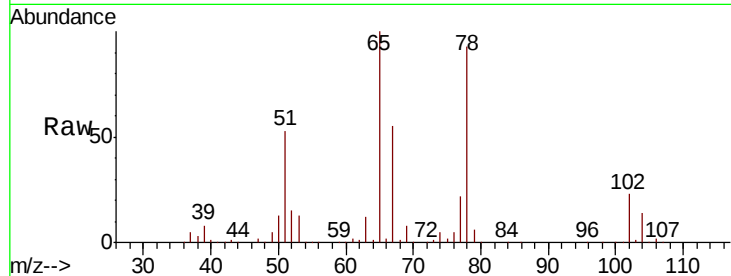
#33
 1,2-Dichloroethane-d4
 Concen: 21.239 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS01

Tot Ion: 65 Resp: 517083
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4

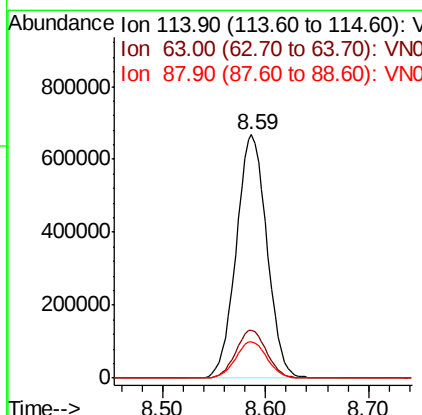
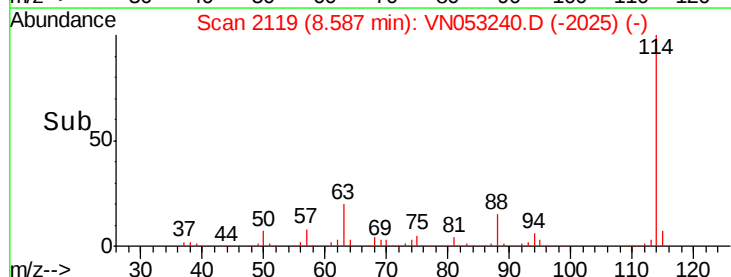
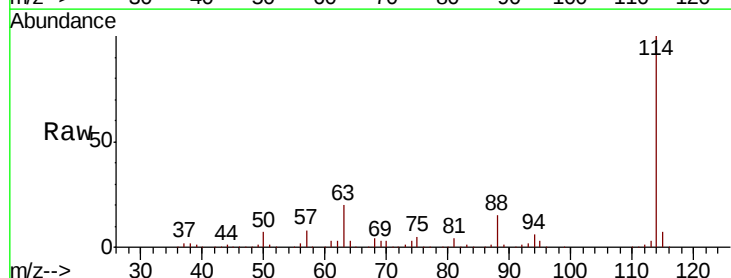
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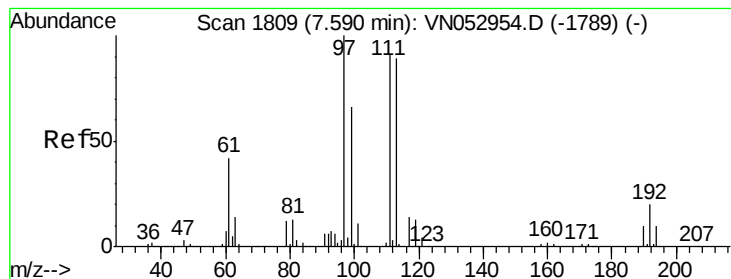
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Tgt Ion: 114 Resp: 1380248
 Ion Ratio Lower Upper
 114 100
 63 19.8 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: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

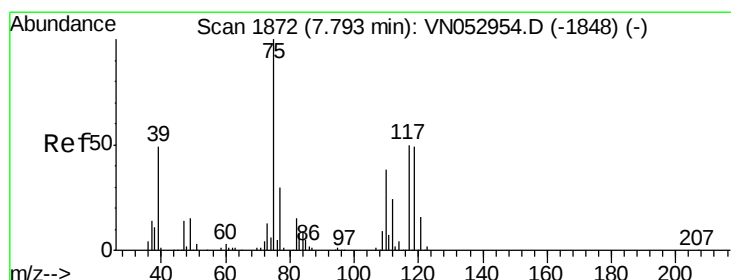
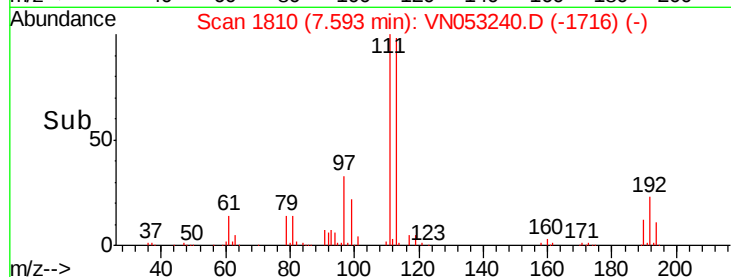
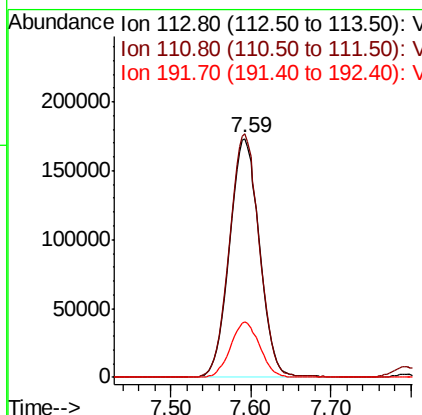
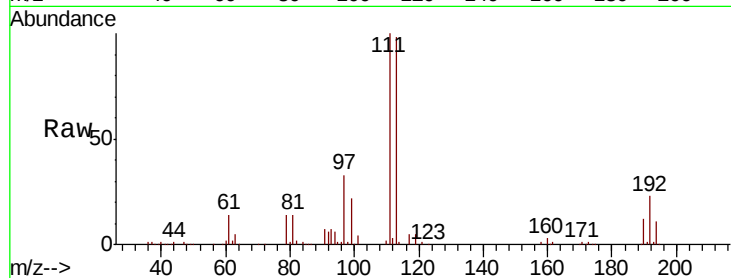
ClientSampleId :

VN0102WBS01

Tot Ion:	113	Resp:	438335
Ion Ratio	Lower	Upper	
113	100		
111	101.1	83.0	124.4
192	22.7	17.5	26.3

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#36

1,1-Dichloropropene

Concen: 20.080 ug/l

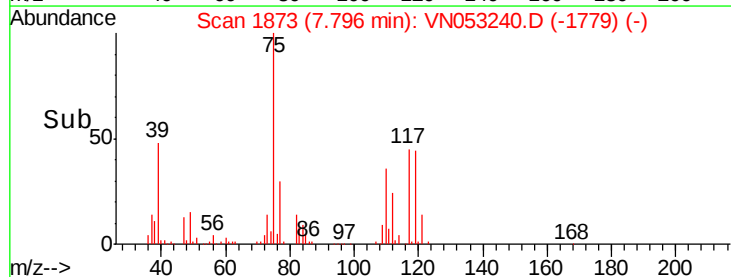
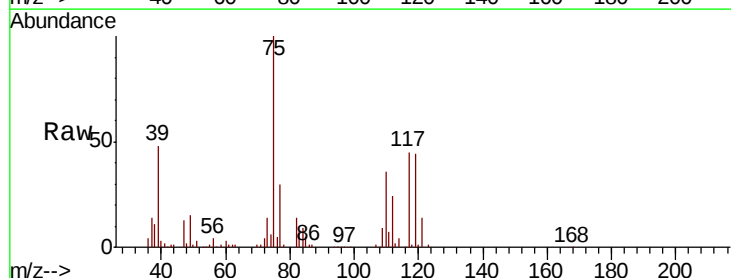
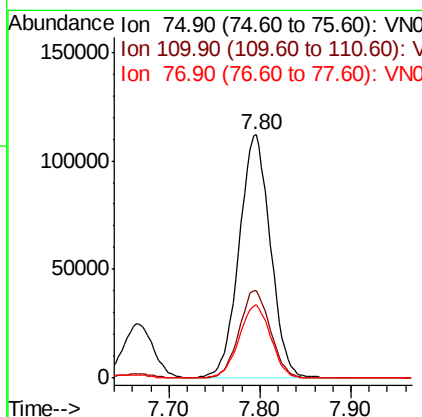
RT: 7.80 min Scan# 1873

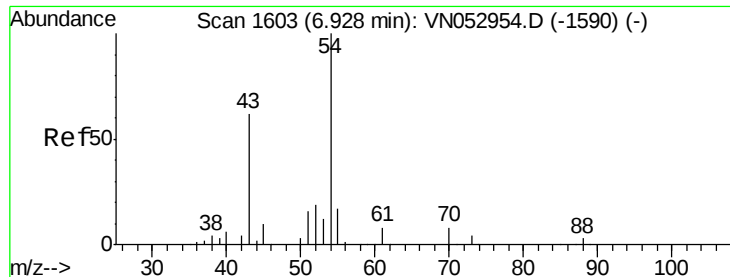
Delta R.T. 0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Tgt Ion:	75	Resp:	266015
Ion Ratio	Lower	Upper	
75	100		
110	36.1	18.2	54.6
77	30.8	24.9	37.3





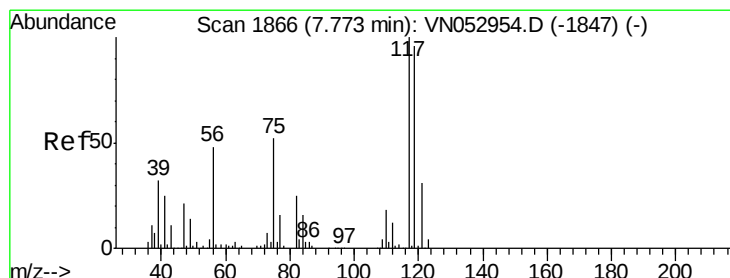
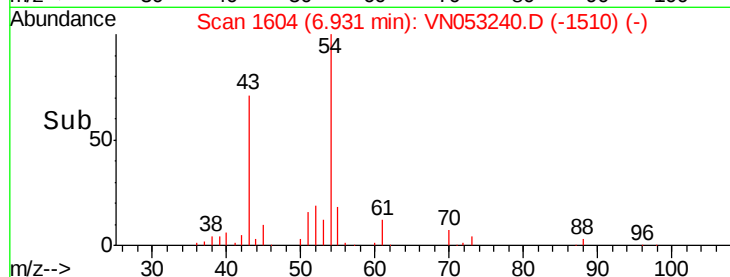
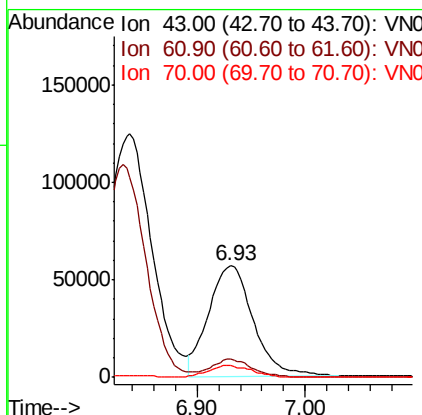
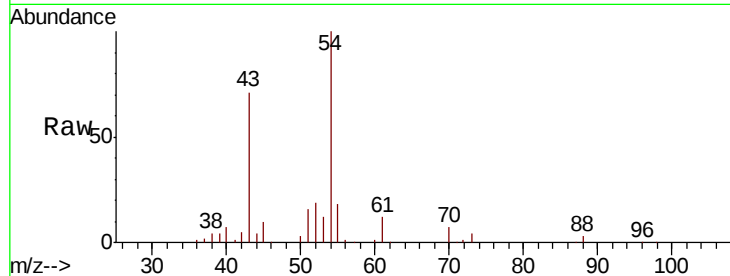
#37
Ethyl Acetate
Concen: 22.034 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.6
70	10.4	8.4	12.6

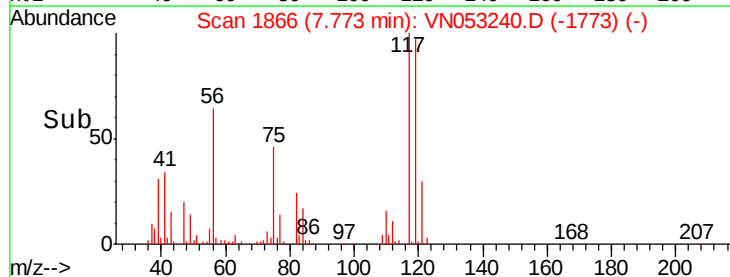
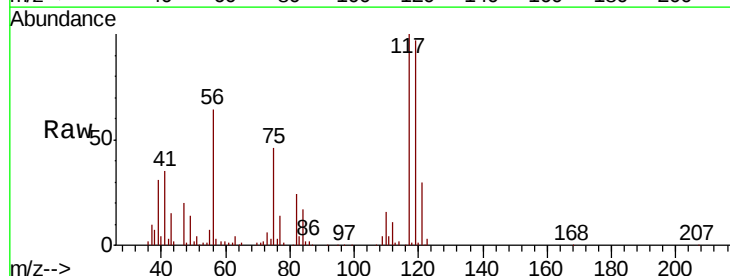
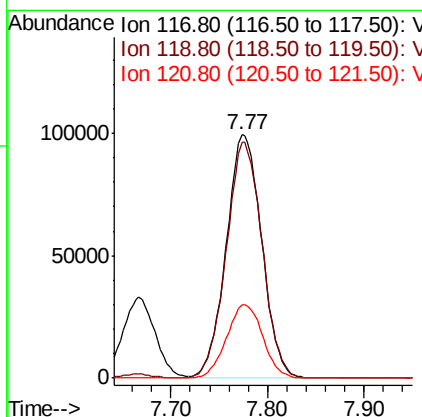
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#38
Carbon Tetrachloride
Concen: 20.955 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.1	115.7
121	30.2	24.9	37.3





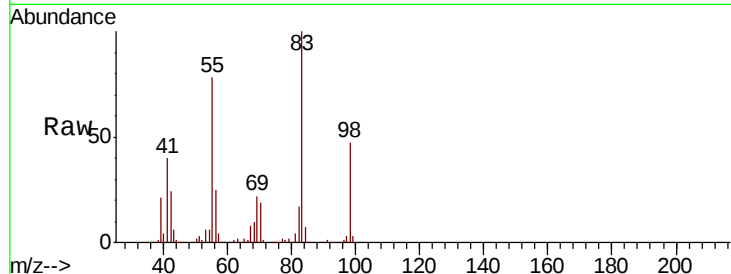
#39
Methvlcvclohexane
Concen: 18.438 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS01

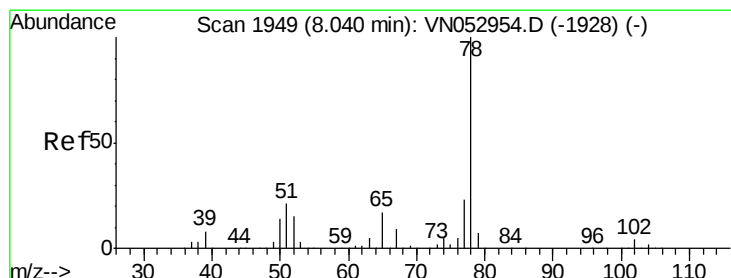
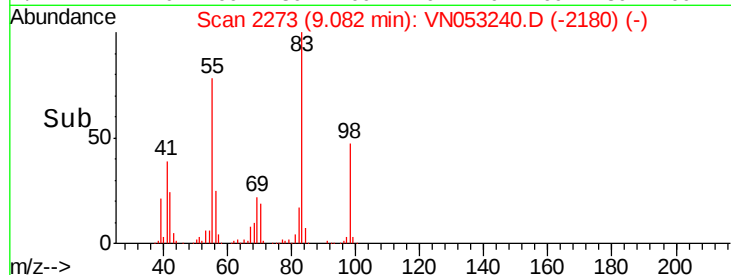
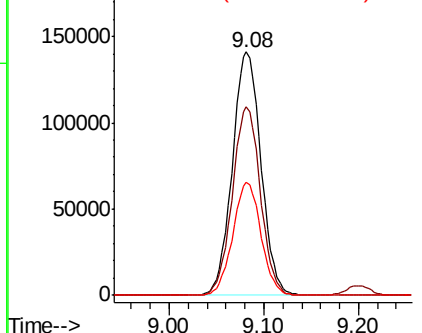
Tot Ion	Ratio	Resp	Lower	Upper
83	100	296738		
55	77.6	61.3	91.9	
98	46.7	37.0	55.4	

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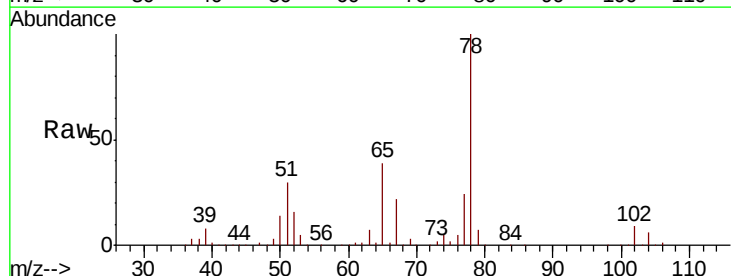


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

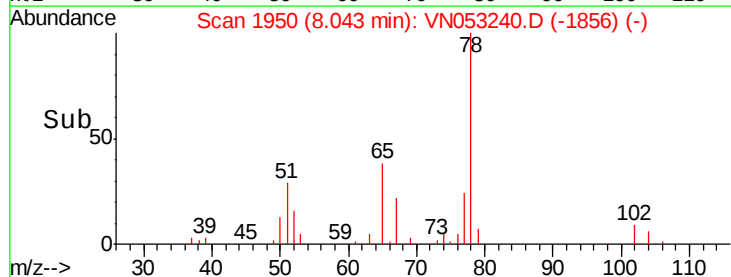
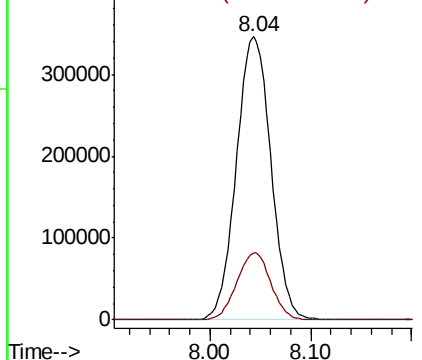


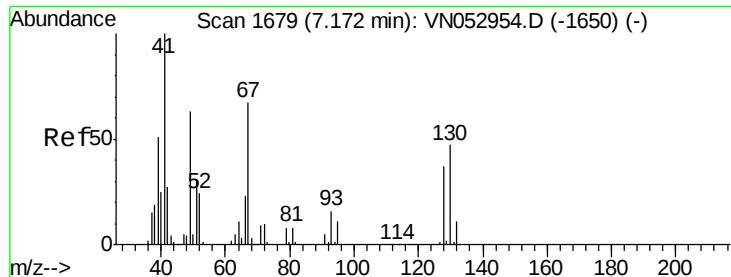
#40
Benzene
Concen: 20.827 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	820695		
77	23.8	18.5	27.7	



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





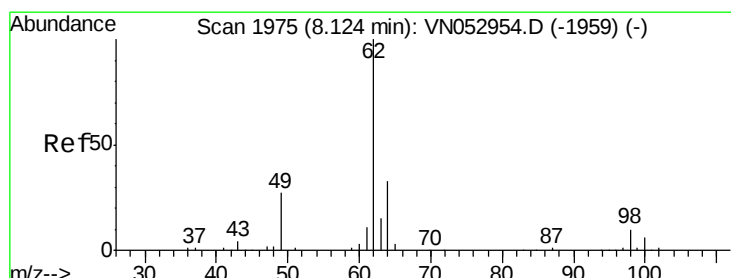
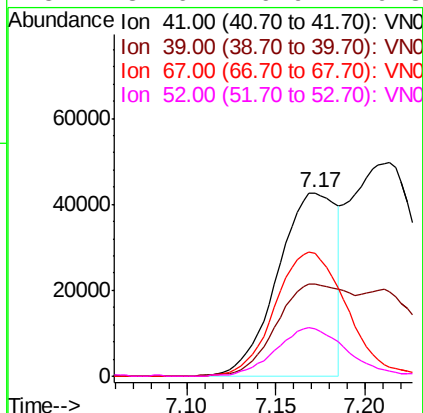
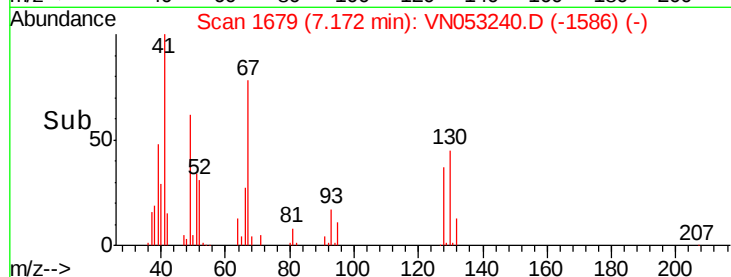
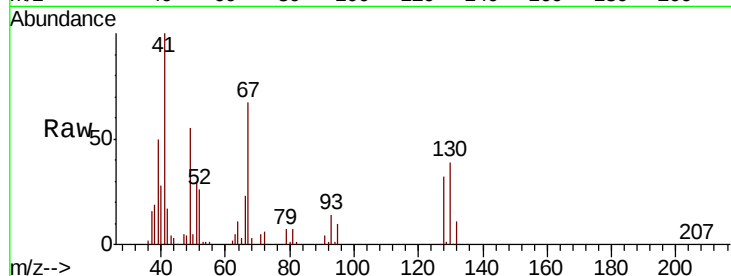
#41
Methacrylonitrile
Concen: 22.753 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampled :
VN0102WBS01

Tot Ion	41	Resp	97225
Ion	Ratio	Lower	Upper
41	100		
39	62.7	48.0	72.0
67	82.6	70.3	105.5
52	32.6	26.9	40.3

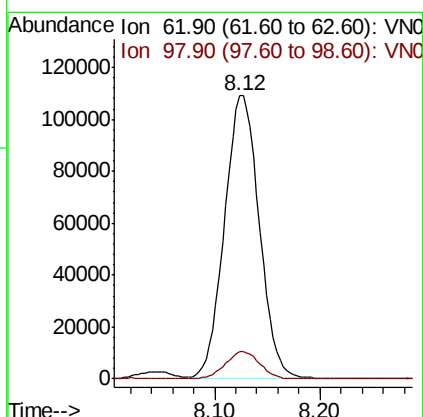
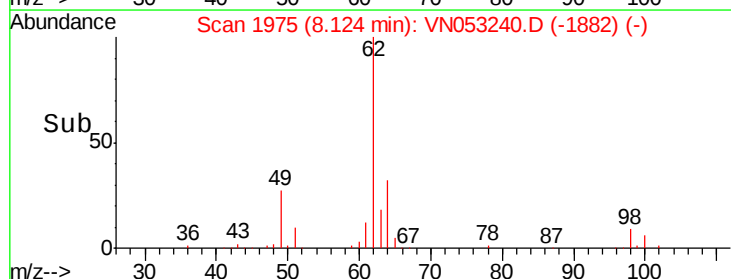
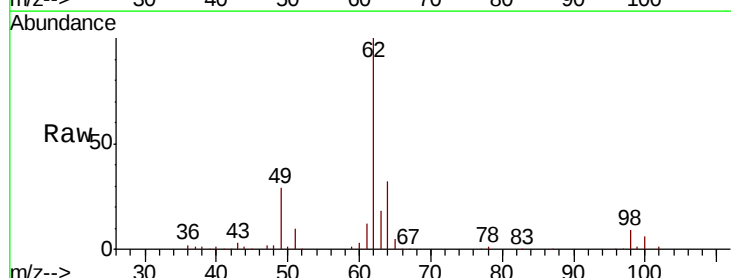
Manual Integrations
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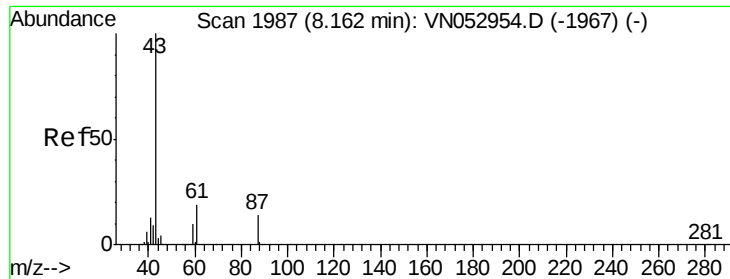
MMDadoda
1/3/2019 9:55:35 AM



#42
1,2-Dichloroethane
Concen: 21.332 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	62	Resp	248324
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0





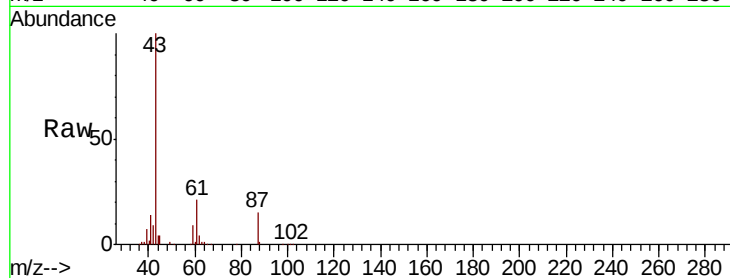
#43
Isopropyl Acetate
Concen: 20.503 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS01

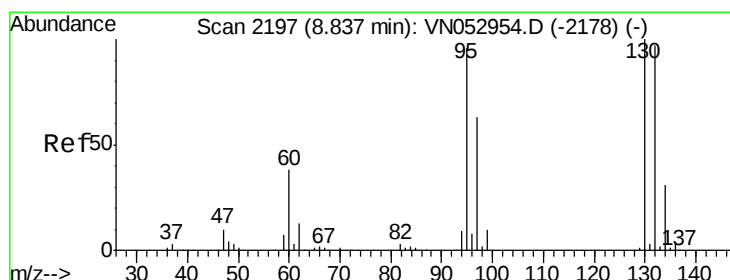
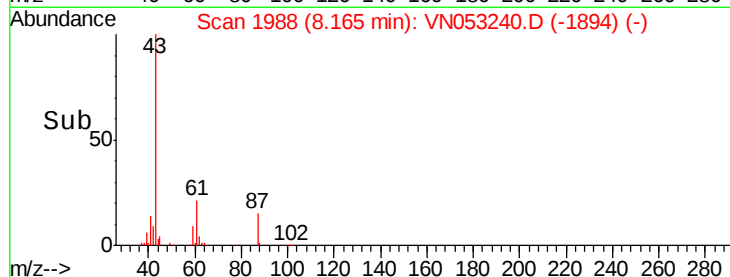
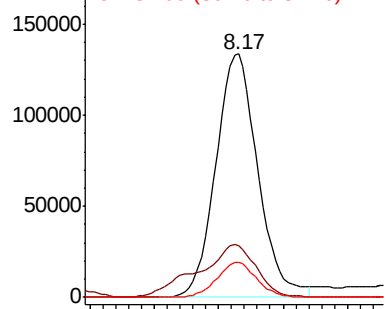
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	22.9	34.3
87	13.6	10.6	15.8

Manual Integrations
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1/3/2019 9:55:35 AM

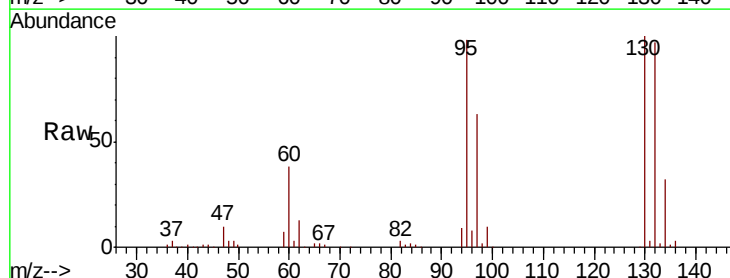


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

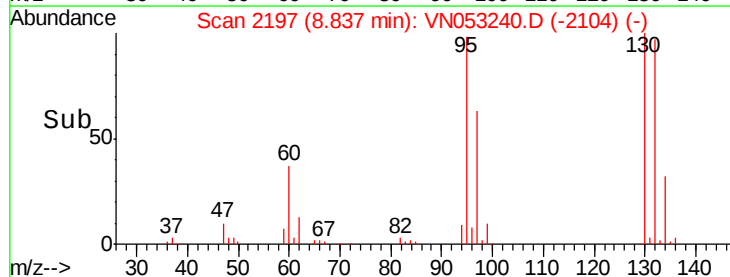
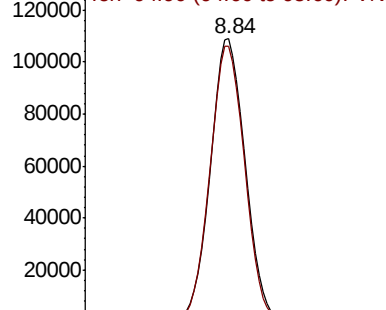


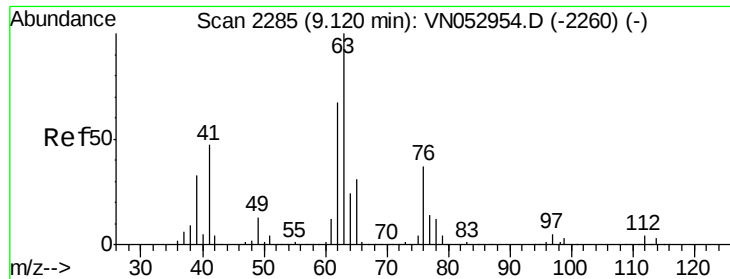
#44
Trichloroethene
Concen: 19.547 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN053240.D (-2104) (-)





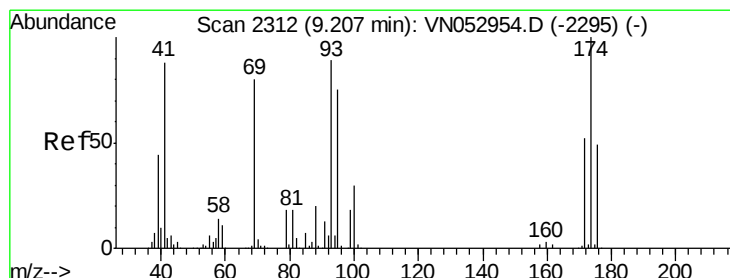
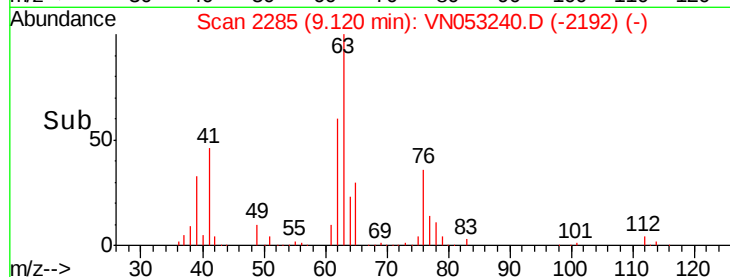
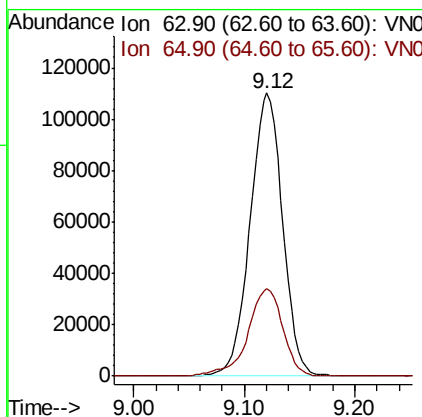
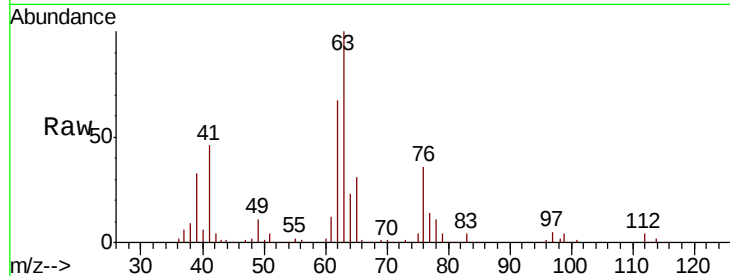
#45
 1,2-Dichloropropane
 Concen: 21.938 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS01

Tot Ion: 63 Resp: 225176
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0

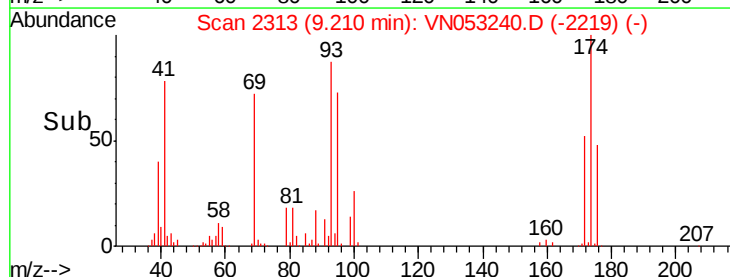
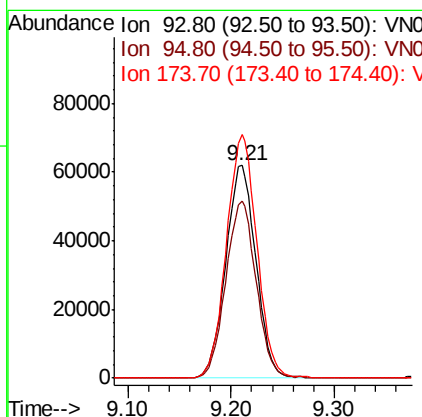
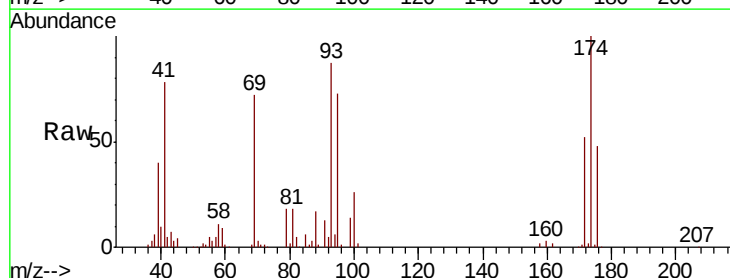
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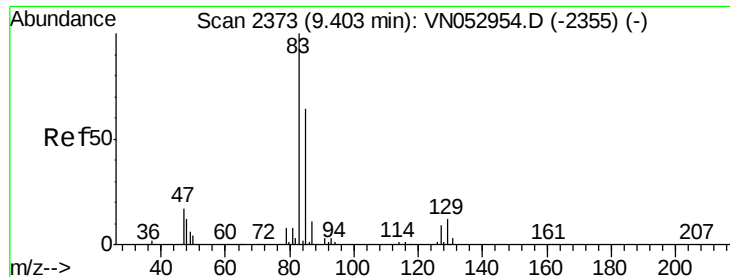
MMDadoda
 1/3/2019 9:55:35 AM



#46
 Dibromomethane
 Concen: 21.173 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Tgt Ion: 93 Resp: 126602
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.8 101.6
 174 115.0 89.0 133.4





#47

Bromodichloromethane

Concen: 21.182 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

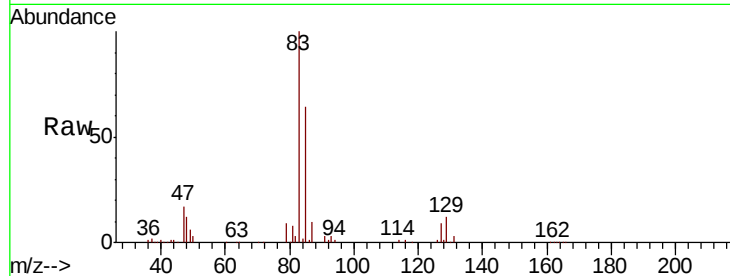
ClientSampleId :

VN0102WBS01

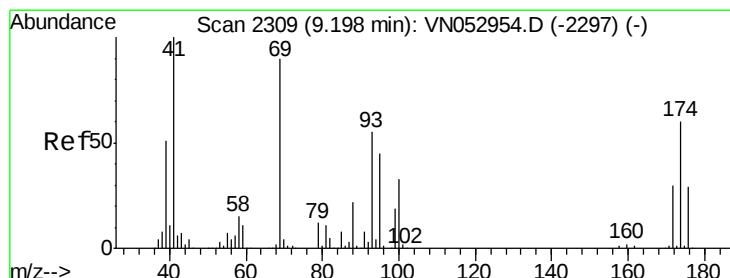
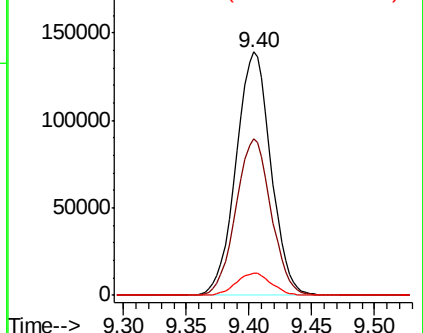
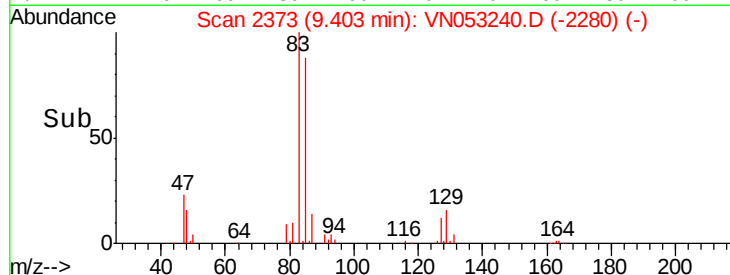
Tot Ion:	83	Resp:	269218
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.6	77.4
127	9.0	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VN053240.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.444 ug/l

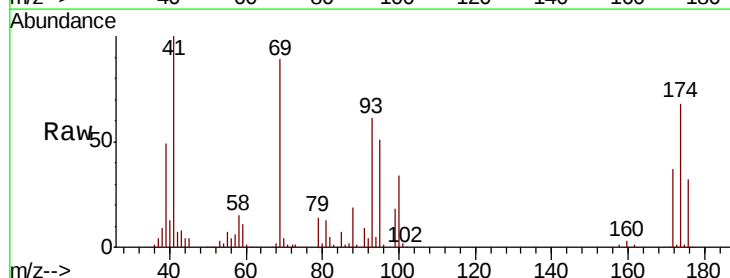
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

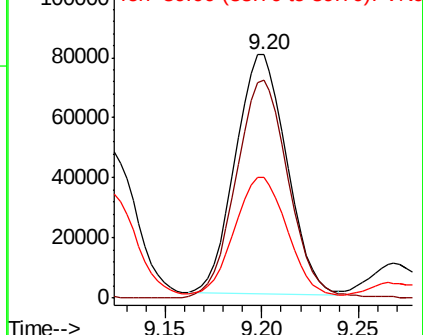
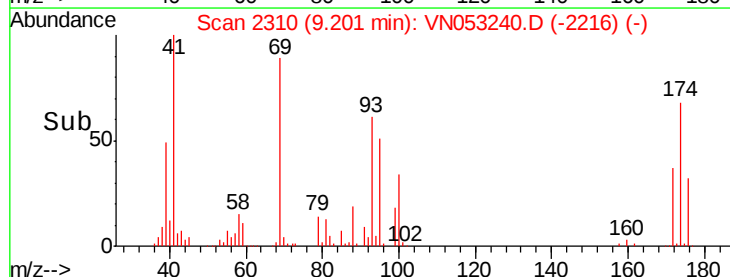
Lab File: VN053240.D

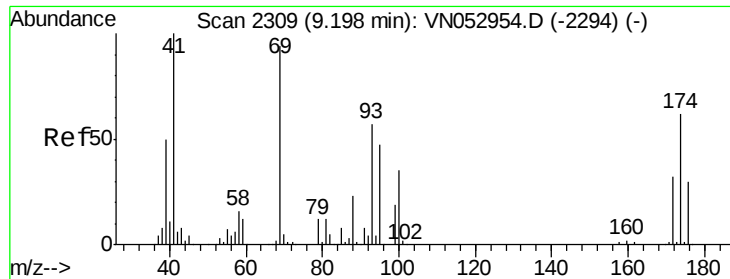
Acq: 2 Jan 2019 11:31

Tgt Ion:	41	Resp:	146720
Ion Ratio	Lower	Upper	
41	100		
69	93.7	72.2	108.2
39	52.8	41.9	62.9



Abundance Ion 41.00 (40.70 to 41.70): VN053240.D (-2216) (-)





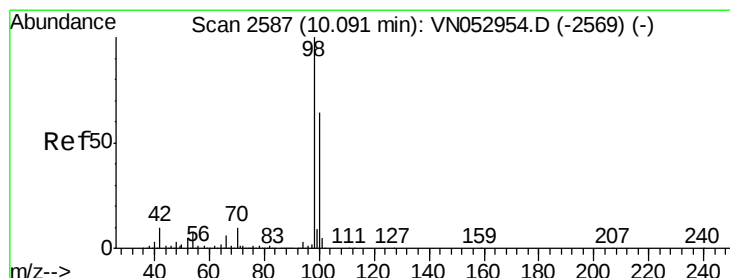
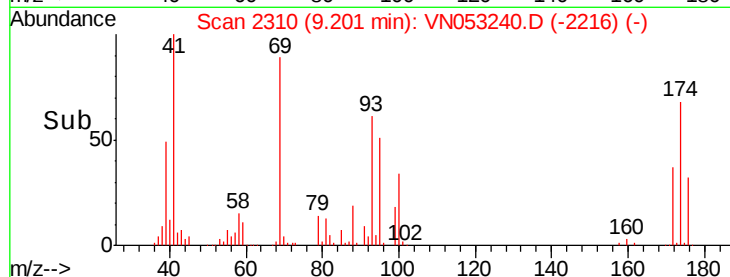
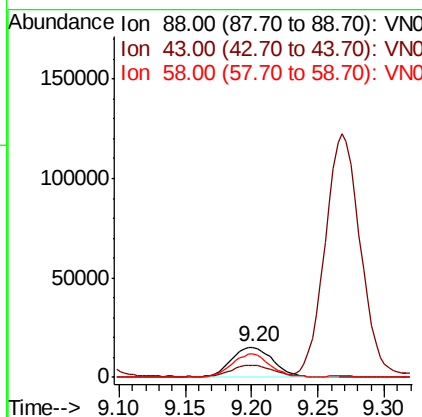
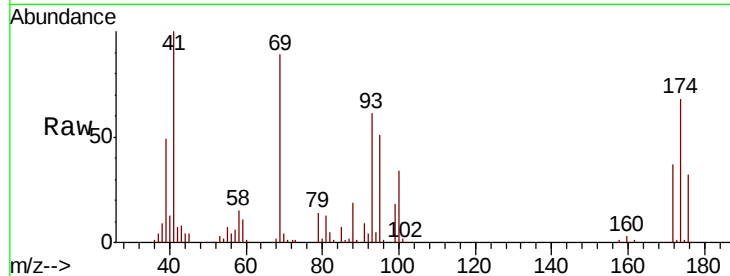
#49
1,4-Dioxane
Concen: 367.371 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS01

Tot Ion	88	Resp	33350
Ion	Ratio	Lower	Upper
88	100		
43	36.6	26.6	40.0
58	72.9	58.4	87.6

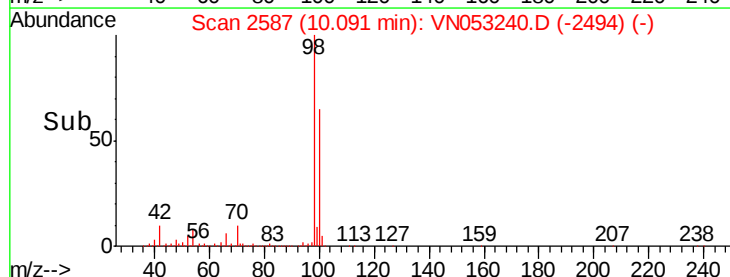
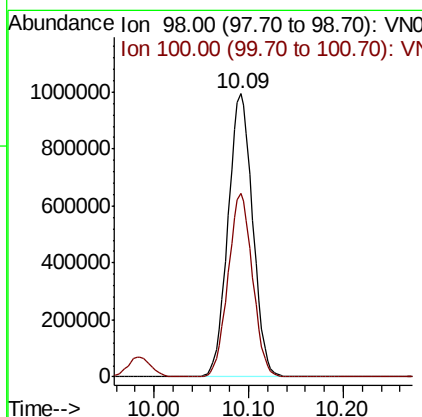
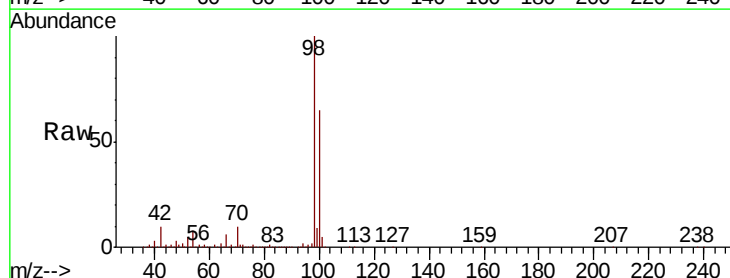
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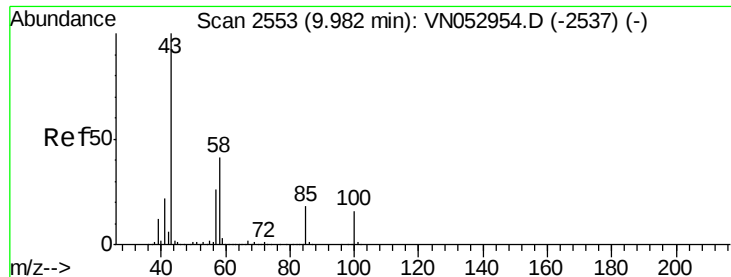
MMDadoda
1/3/2019 9:55:35 AM



#50
Toluene-d8
Concen: 367.371 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	98	Resp	1798274
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4





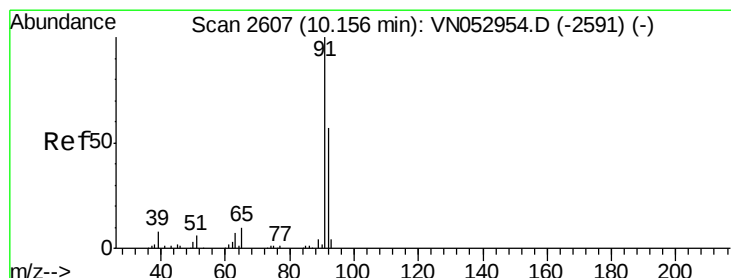
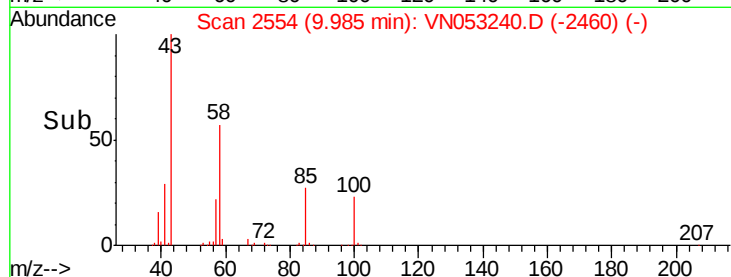
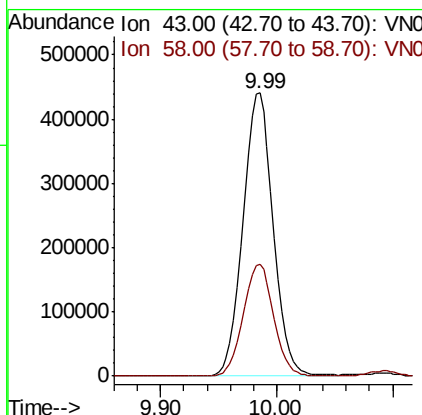
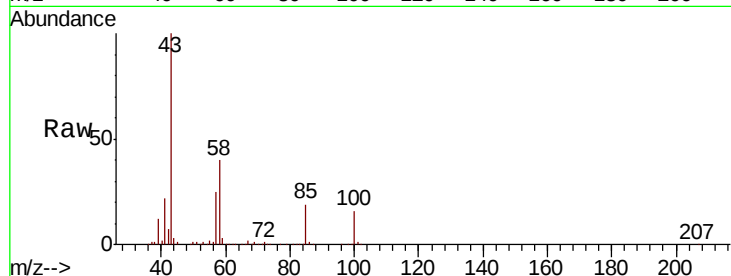
#51
4-Methyl-2-Pentanone
Concen: 111.273 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampled :
VN0102WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.2	48.4

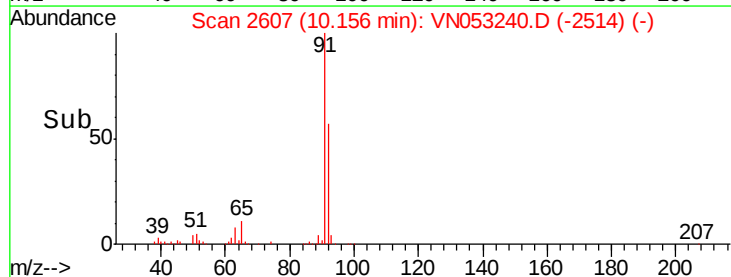
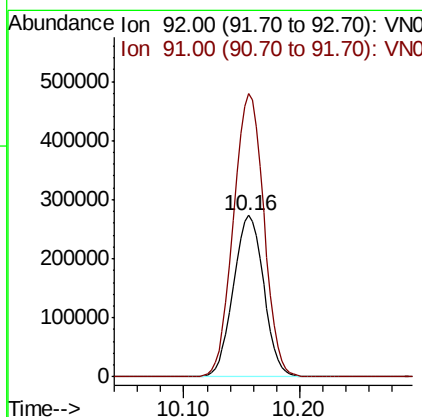
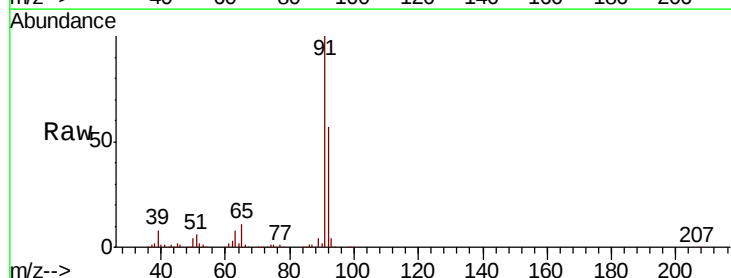
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#52
Toluene
Concen: 20.242 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.3	139.8	209.6





#53

t-1,3-Dichloropropene

Concen: 19.905 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS01

Tot Ion: 75 Resp: 266036

Ion Ratio Lower Upper

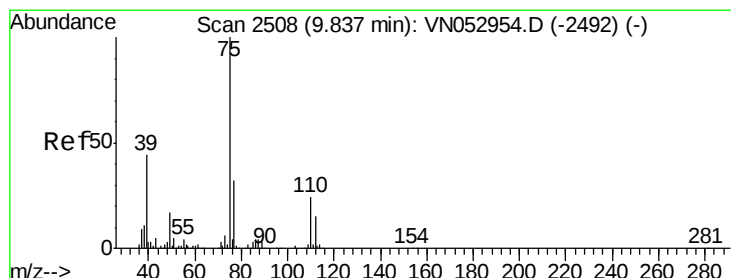
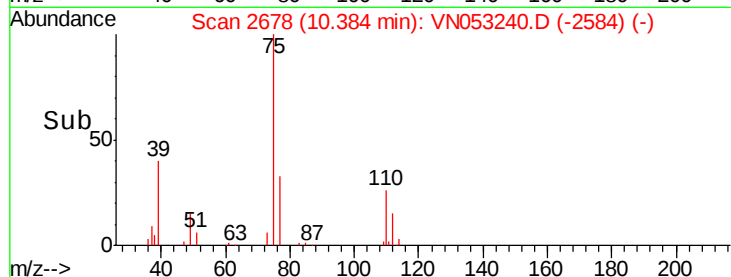
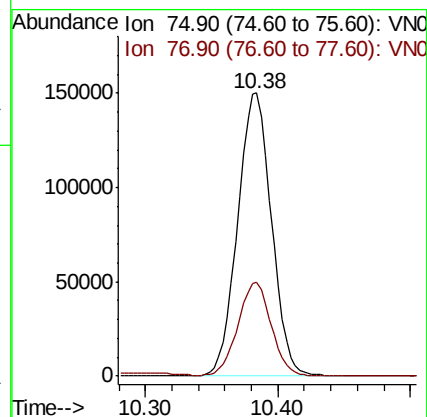
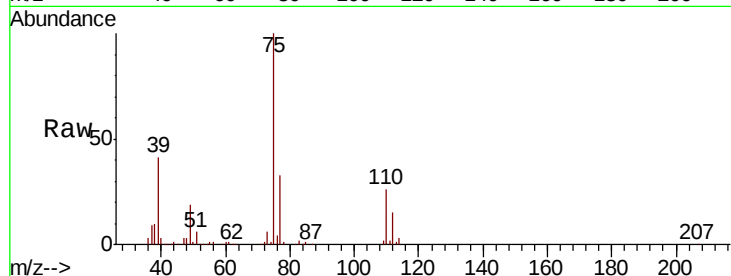
75 100

77 33.1 25.6 38.4

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#54

cis-1,3-Dichloropropene

Concen: 20.644 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

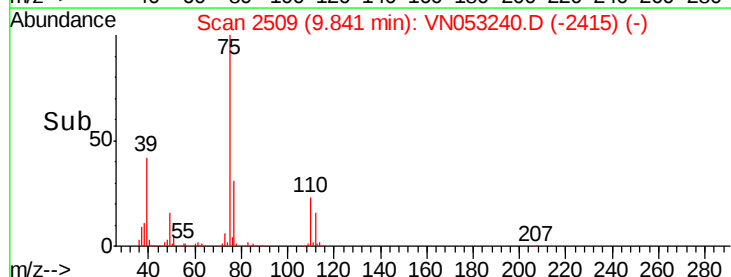
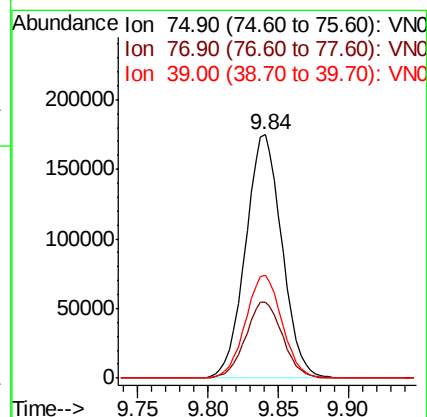
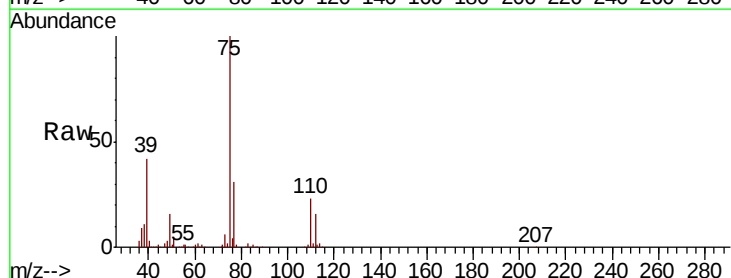
Tgt Ion: 75 Resp: 316701

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.8

39 42.0 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 21.864 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

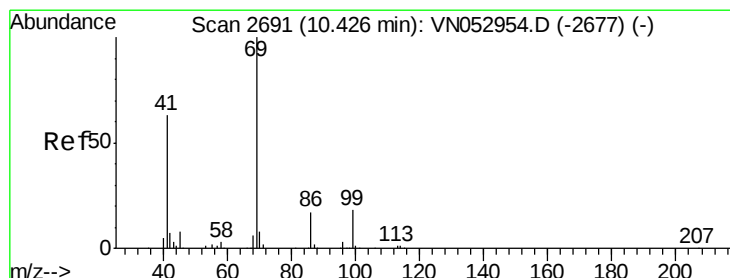
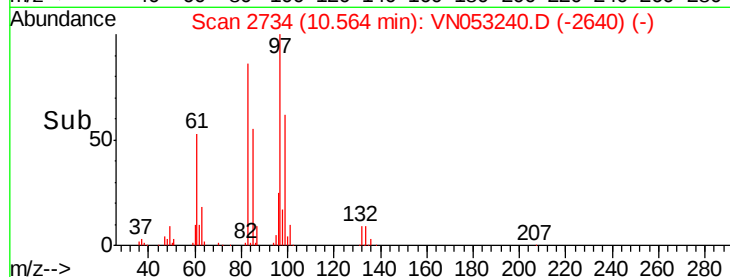
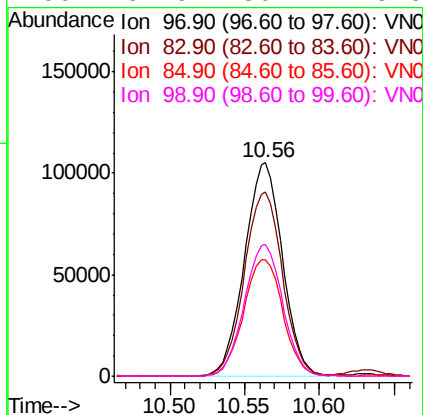
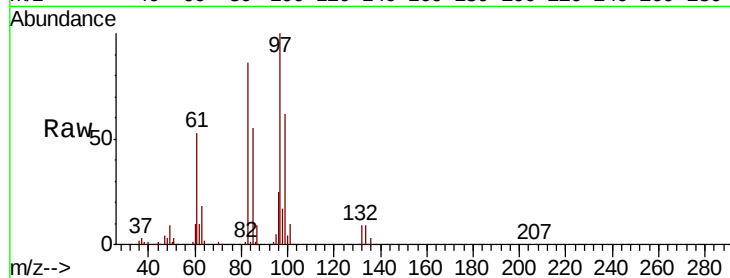
ClientSampleId :

VN0102WBS01

Tot Ion:	97	Resp:	186305
Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.9	106.3
85	54.6	45.4	68.2
99	61.9	50.4	75.6

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#56

Ethyl methacrylate

Concen: 20.982 ug/l

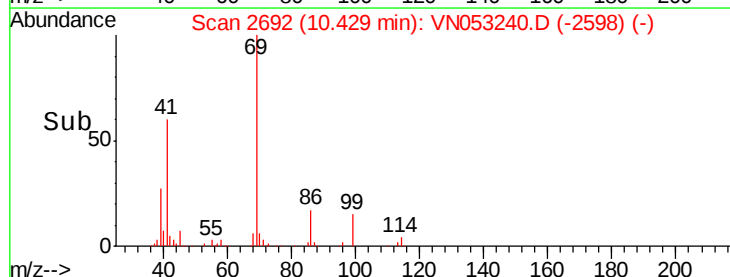
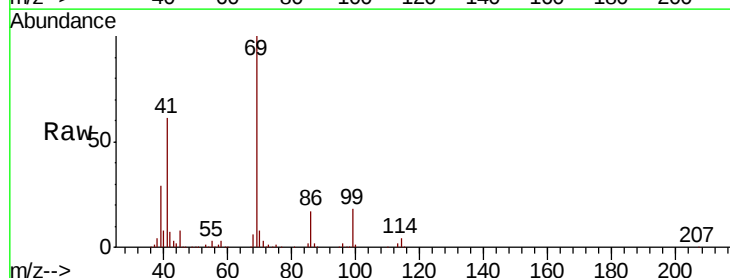
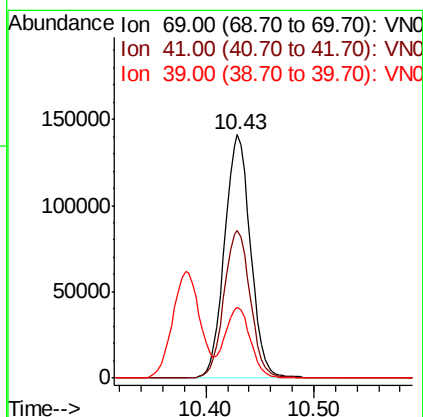
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Tgt Ion:	69	Resp:	236641
Ion	Ratio	Lower	Upper
69	100		
41	60.5	51.7	77.5
39	28.9	24.6	37.0





#57

1,3-Dichloropropane

Concen: 21.606 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS01

Tot Ion: 76 Resp: 315705

Ion Ratio Lower Upper

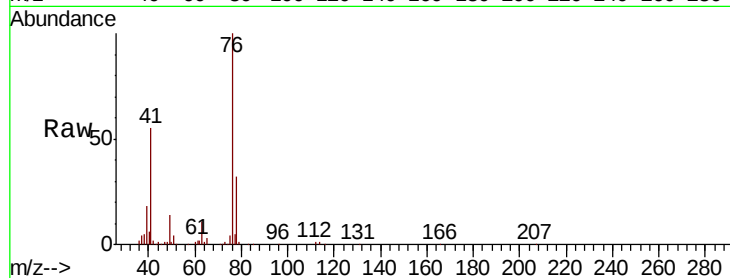
76 100

78 32.5 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

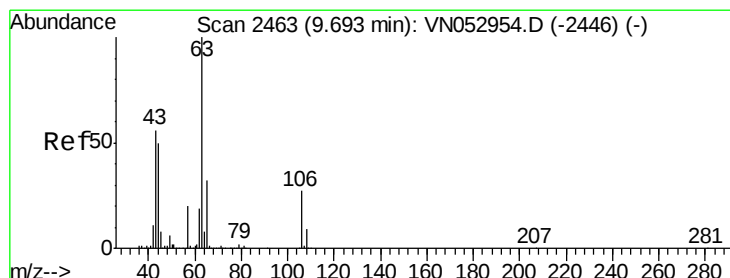
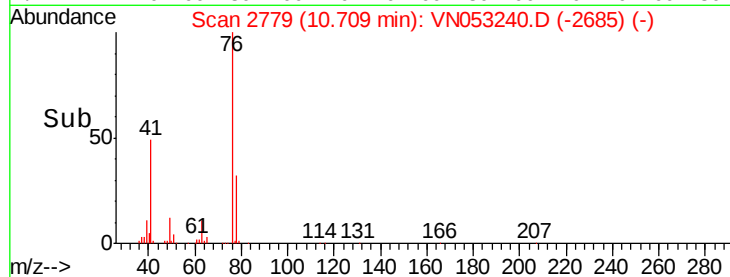
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 107.337 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053240.D

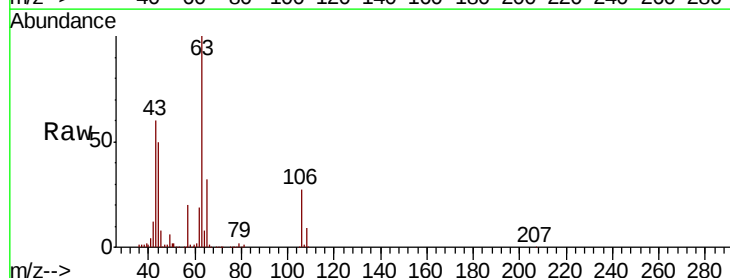
Acq: 2 Jan 2019 11:31

Tgt Ion: 63 Resp: 664611

Ion Ratio Lower Upper

63 100

106 27.0 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

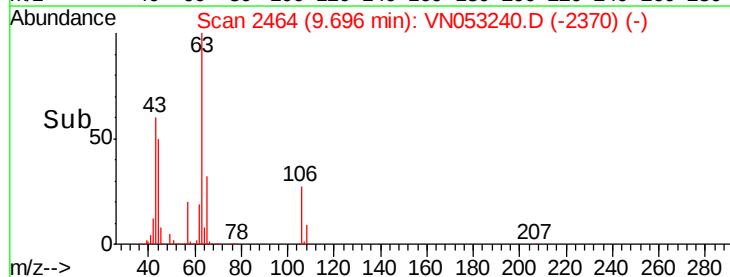
300000

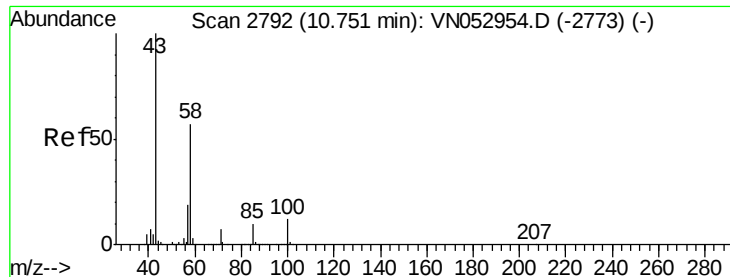
200000

100000

0

Time-->





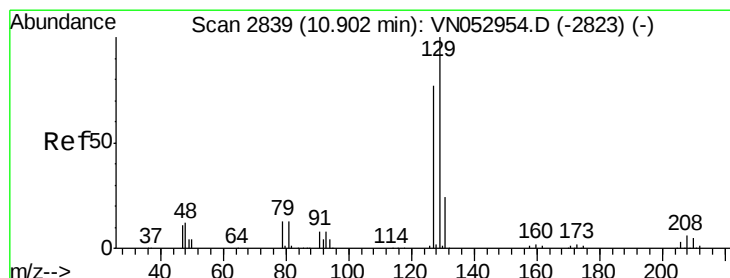
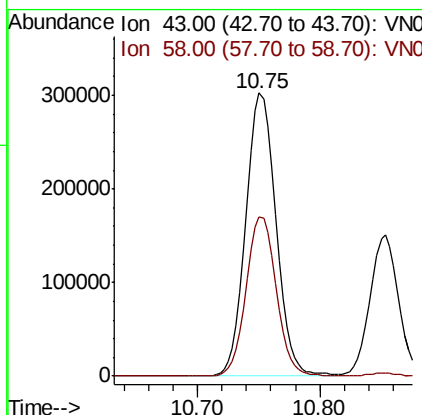
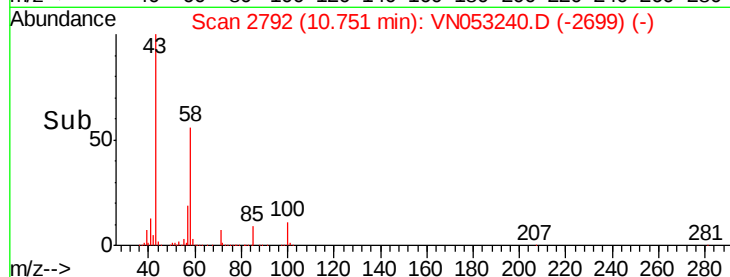
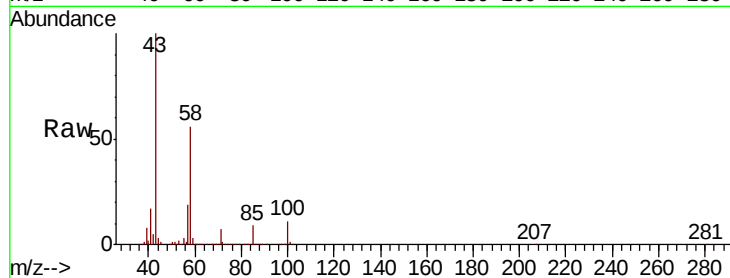
#59
2-Hexanone
Concen: 105.914 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS01

Tot Ion: 43 Resp: 513236
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.3

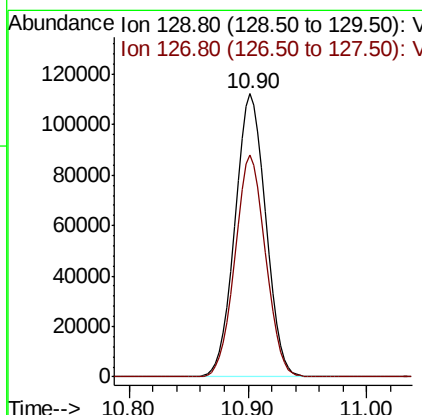
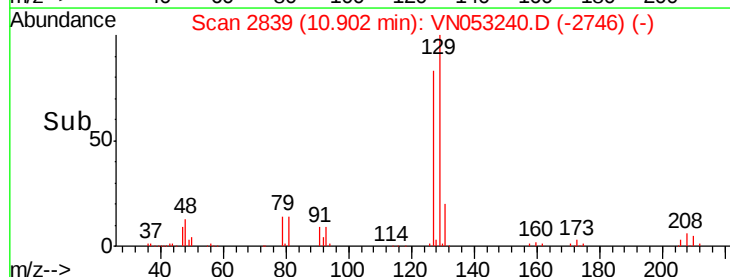
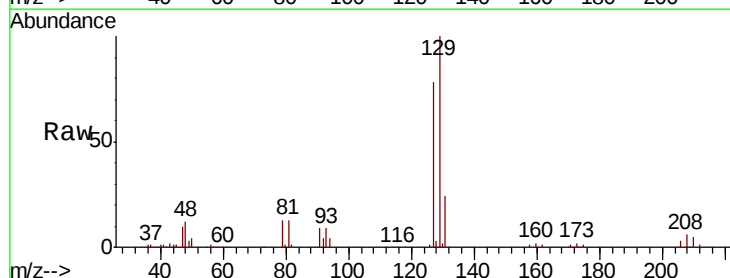
Manual Integrations
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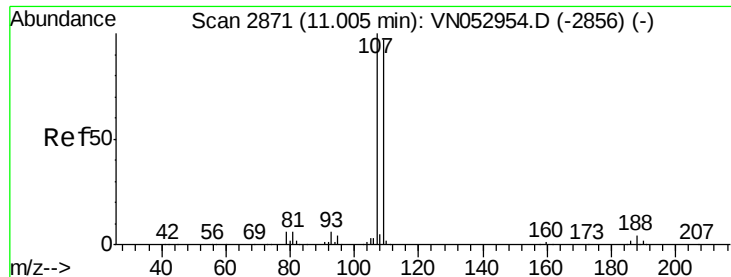
MMDadoda
1/3/2019 9:55:35 AM



#60
Dibromochloromethane
Concen: 20.652 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion: 129 Resp: 201437
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.605 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS01

Tot Ion: 107 Resp: 178321

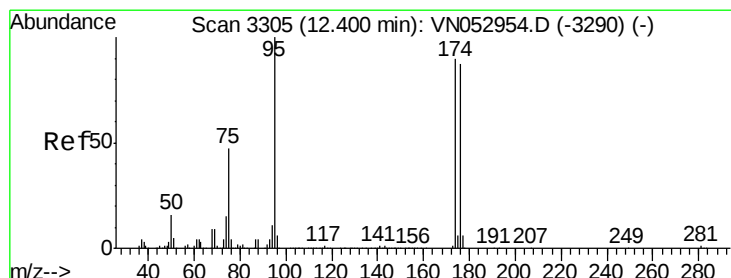
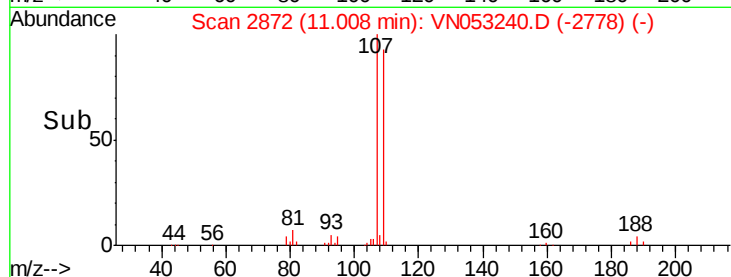
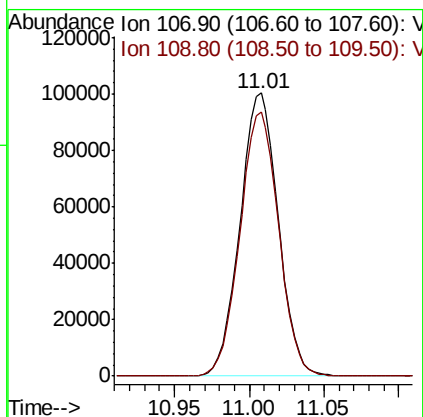
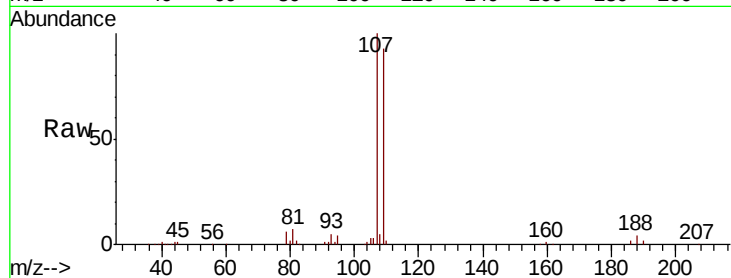
Ion Ratio Lower Upper

107 100

109 94.5 75.4 113.0

Manual Integrations
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MMDadoda
1/3/2019 9:55:35 AM



#62

4-Bromofluorobenzene

Concen: 20.605 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

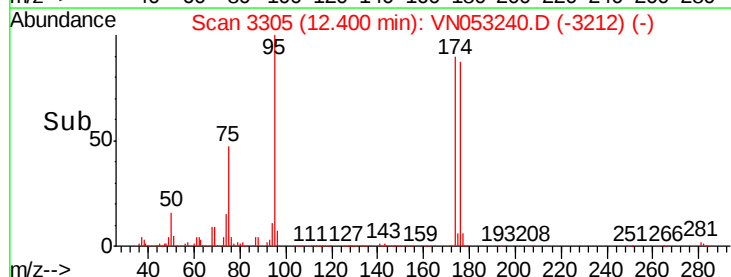
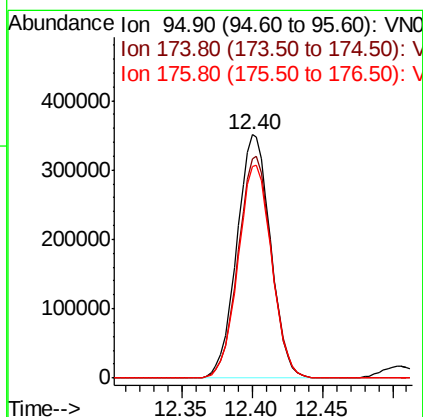
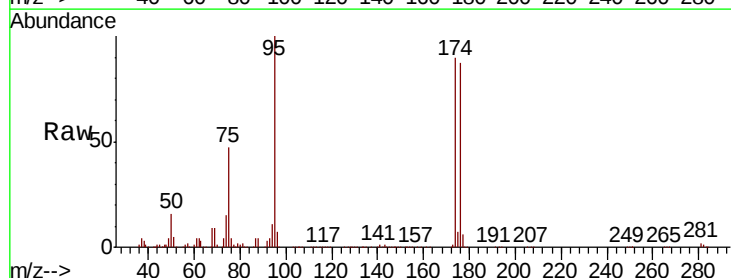
Tgt Ion: 95 Resp: 586197

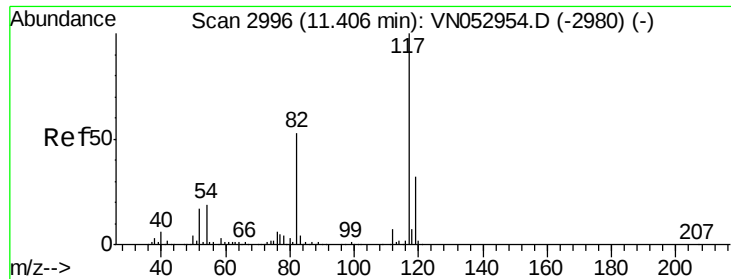
Ion Ratio Lower Upper

95 100

174 90.6 0.0 178.8

176 87.5 0.0 173.8





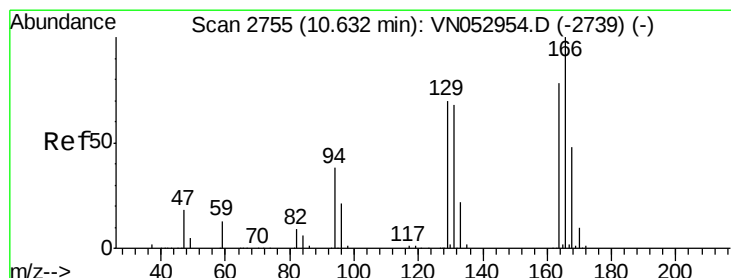
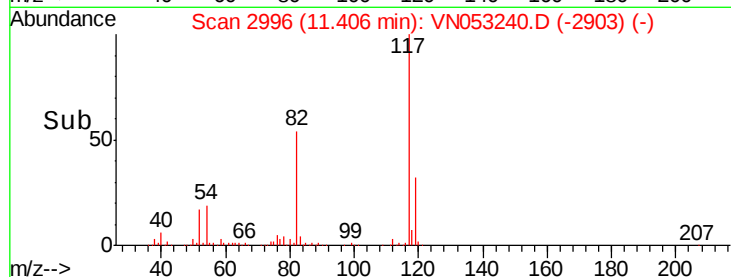
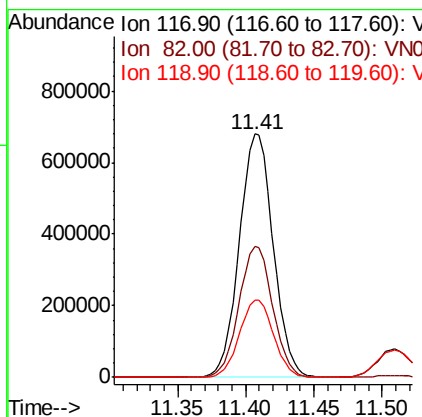
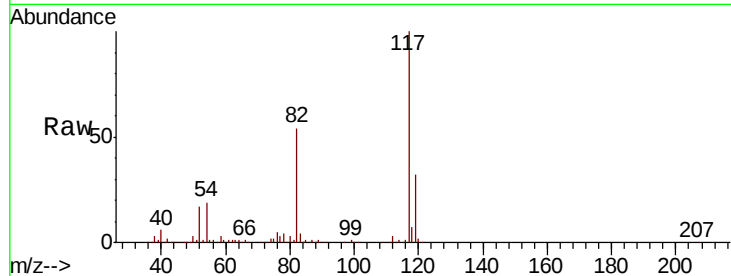
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.8	64.2
119	31.8	25.5	38.3

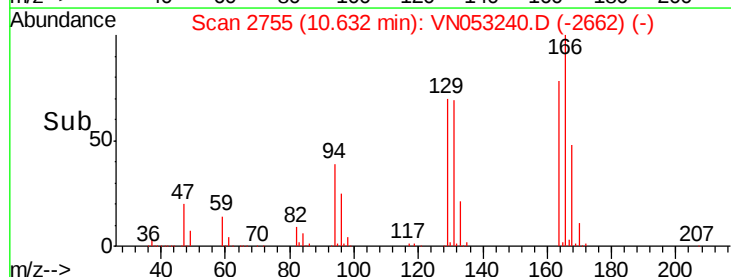
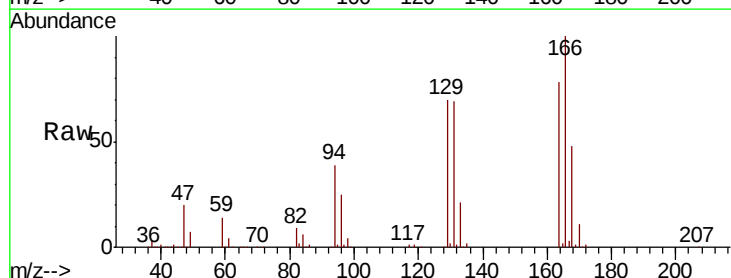
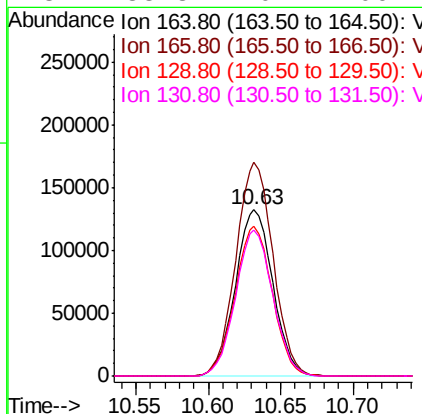
Manual Integrations
APPROVED

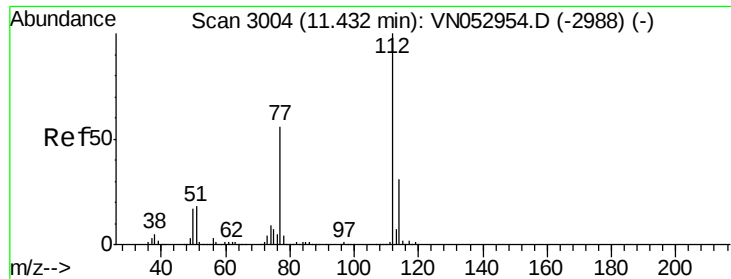
MMDadoda
1/3/2019 9:55:35 AM



#64
Tetrachloroethene
Concen: 18.706 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	102.9	154.3
129	90.4	73.7	110.5
131	88.3	70.7	106.1





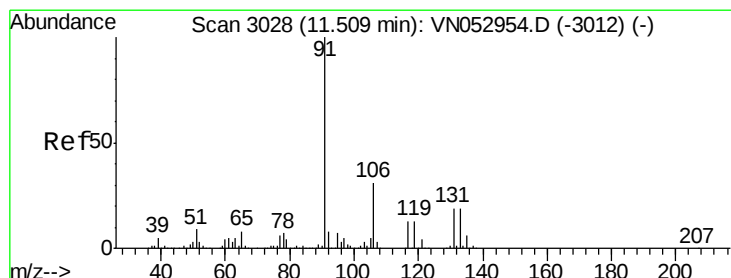
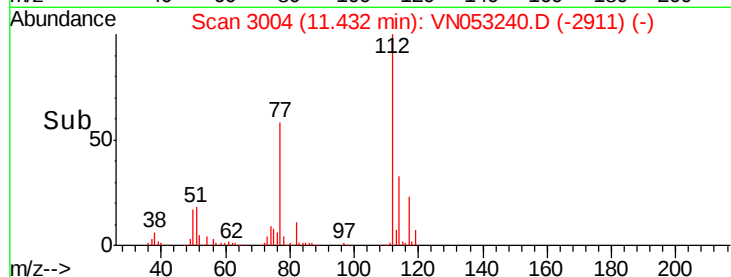
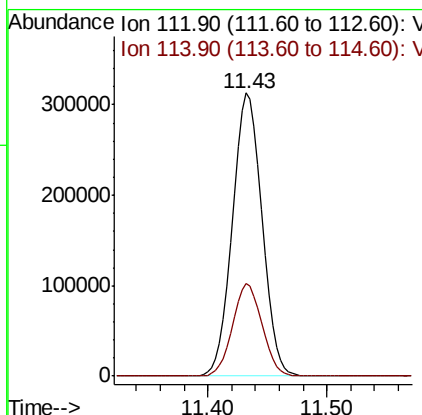
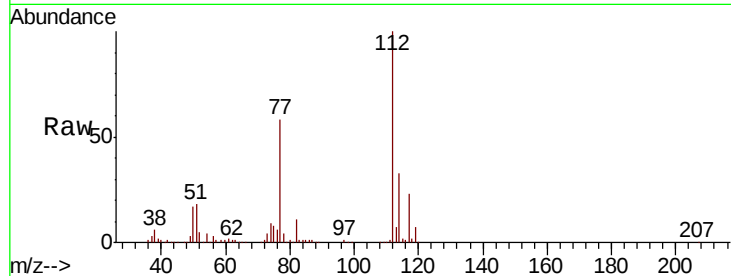
#65
Chlorobenzene
Concen: 20.776 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampled :
VN0102WBS01

Tot Ion:112 Resp: 539893
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3

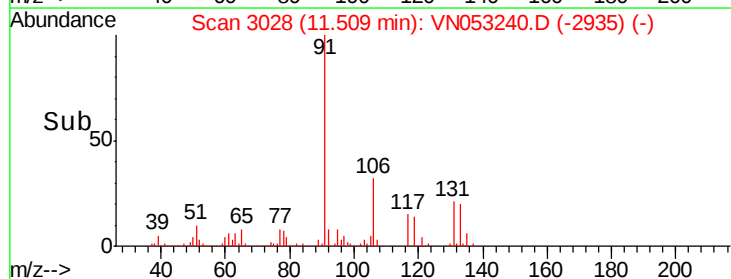
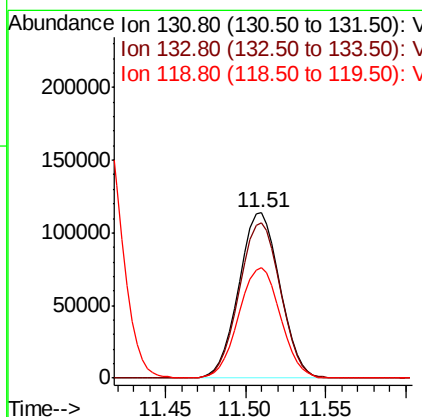
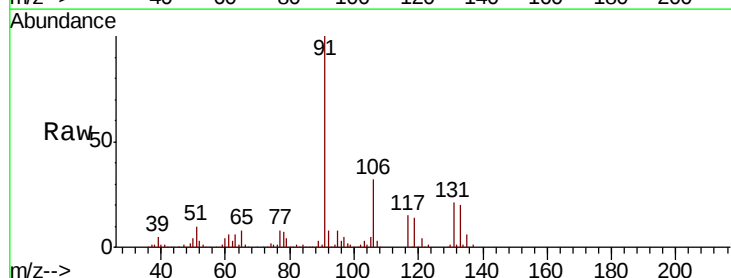
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.117 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion:131 Resp: 199863
Ion Ratio Lower Upper
131 100
133 94.4 47.6 142.9
119 67.9 33.3 99.8





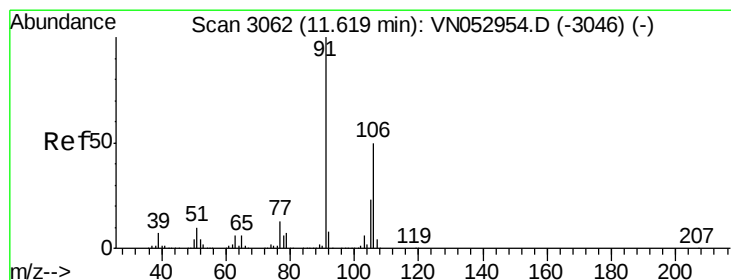
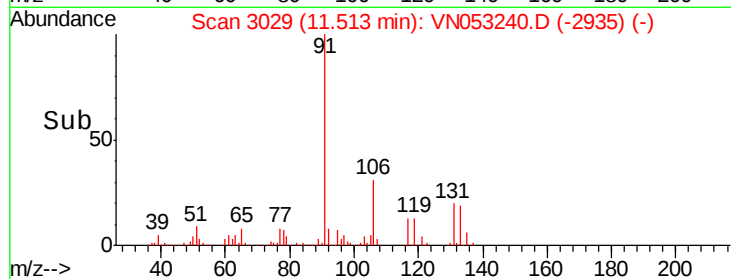
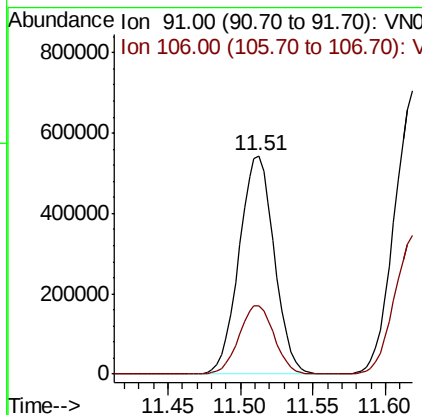
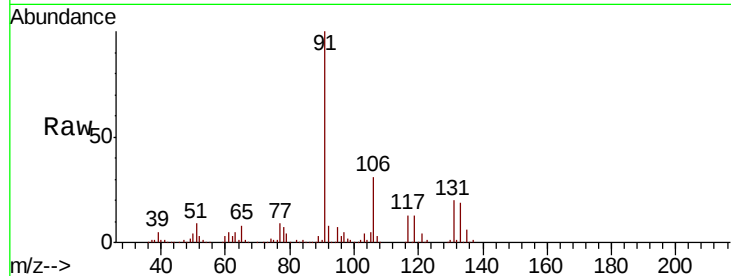
#67
Ethyl Benzene
Concen: 20.470 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampled :
VN0102WBS01

Tot Ion	91	Resp	914775
Ion Ratio	100	Lower	Upper
106	31.4	24.9	37.3

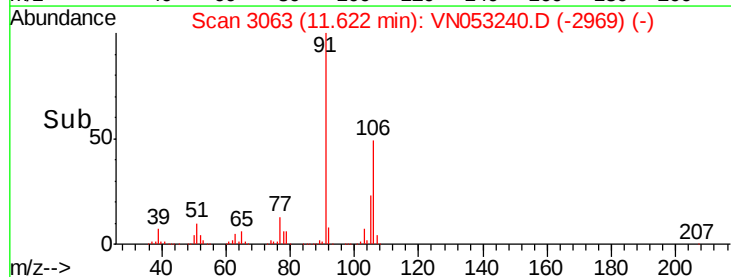
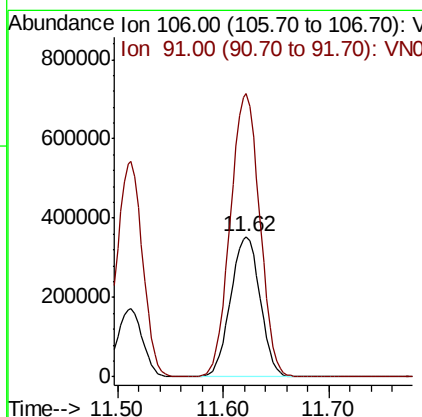
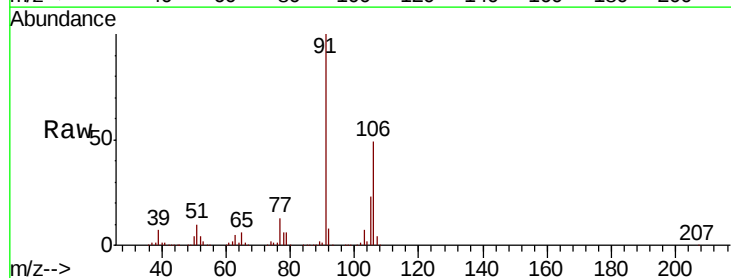
Manual Integrations
APPROVED

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1/3/2019 9:55:35 AM



#68
m/p-Xylenes
Concen: 40.267 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	106	Resp	684099
Ion Ratio	100	Lower	Upper
91	202.0	162.2	243.4





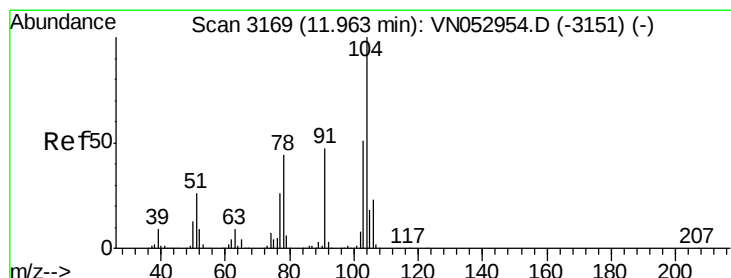
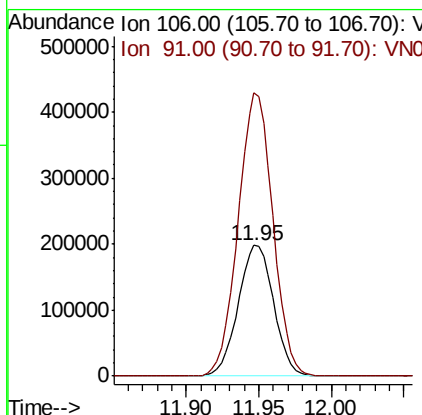
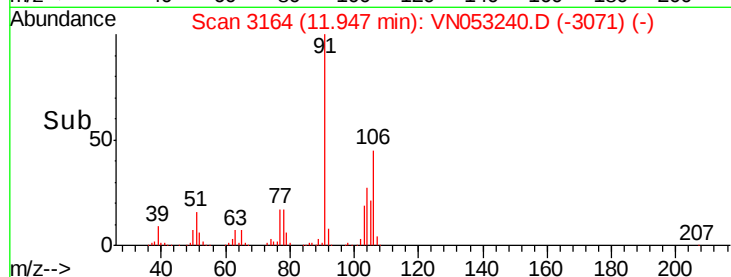
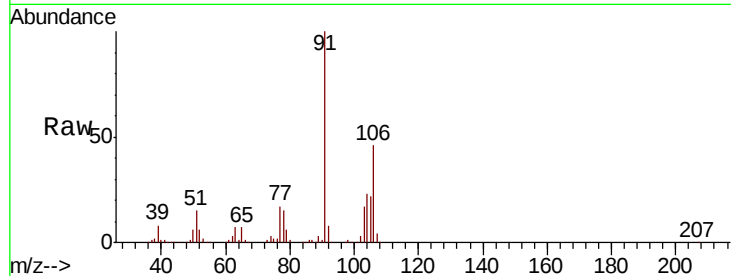
#69
o-Xylene
Concen: 20.588 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampled :
VN0102WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.8	106.6	319.8

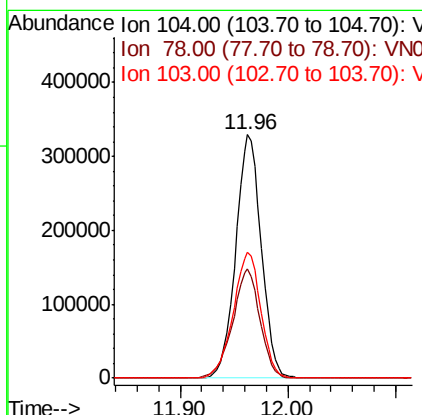
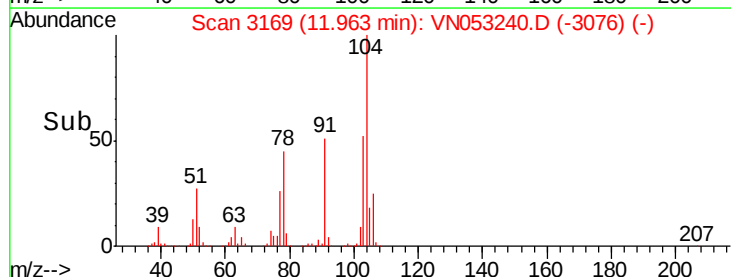
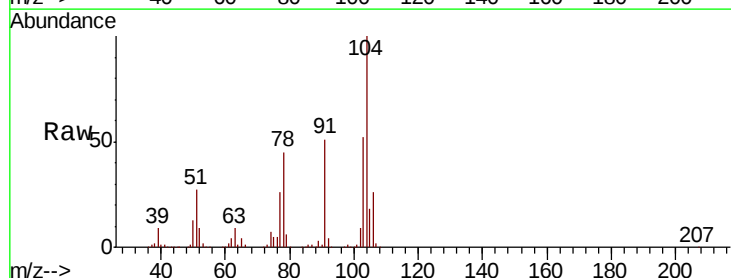
Manual Integrations
APPROVED

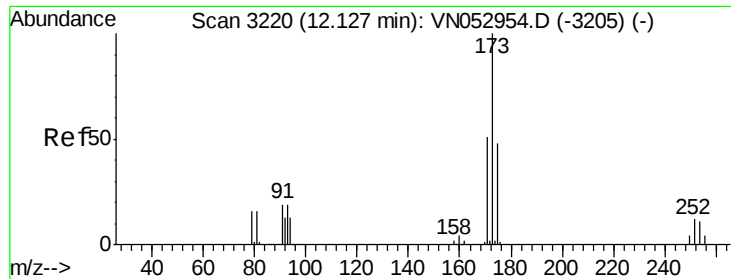
MMDadoda
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#70
Styrene
Concen: 20.445 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.9	58.3
103	55.9	44.3	66.5





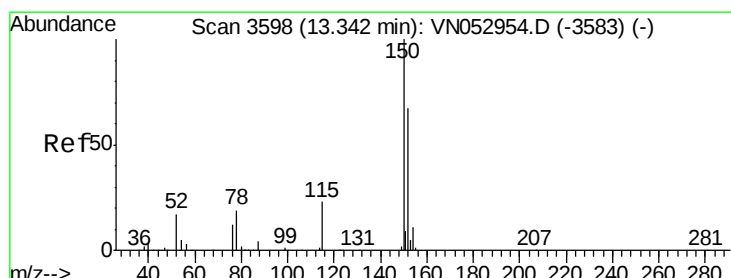
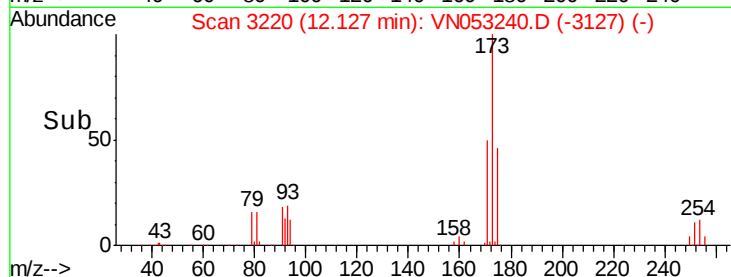
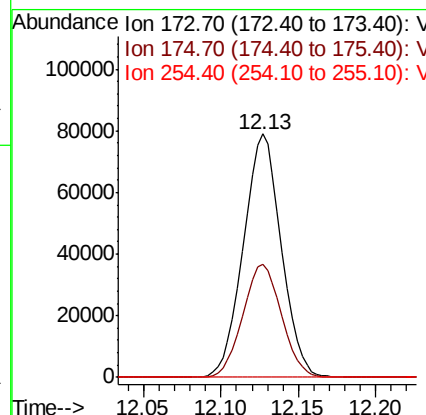
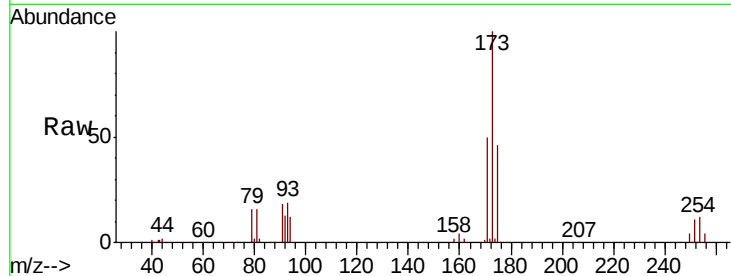
#71
Bromoform
Concen: 20.577 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.3	72.9
254	0.0	0.1	0.1#

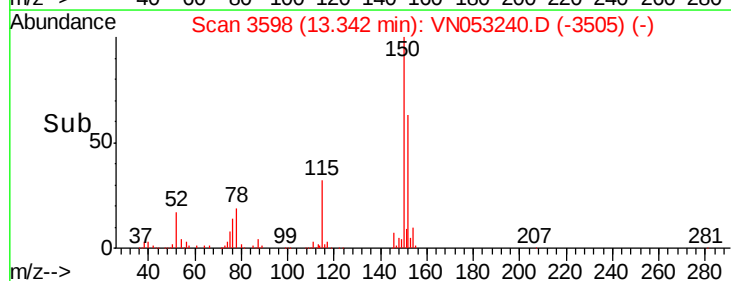
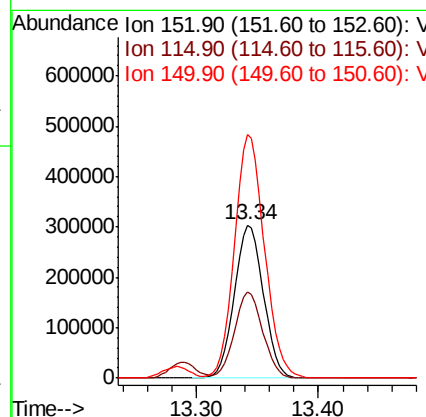
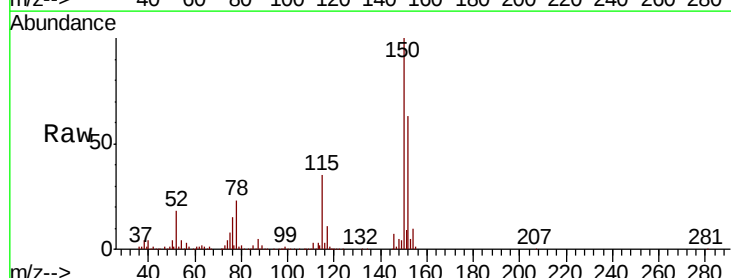
Manual Integrations
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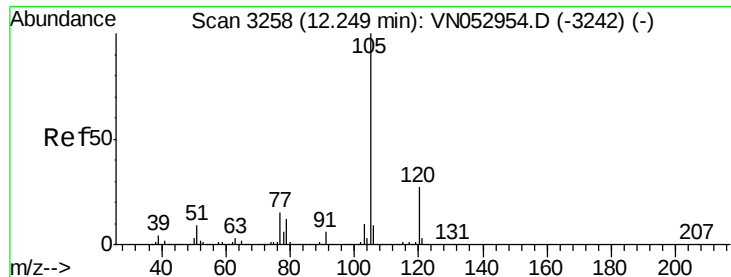
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.3	85.0
150	164.3	0.0	347.8





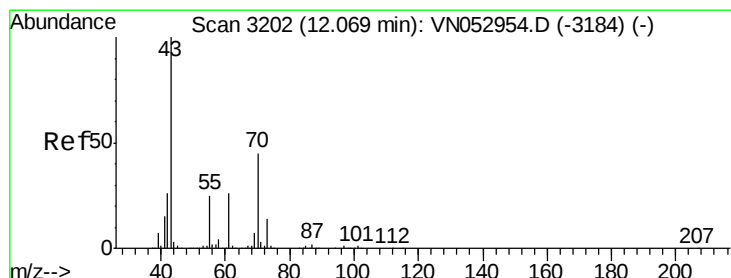
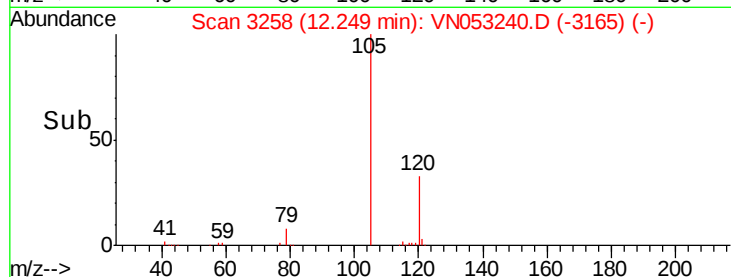
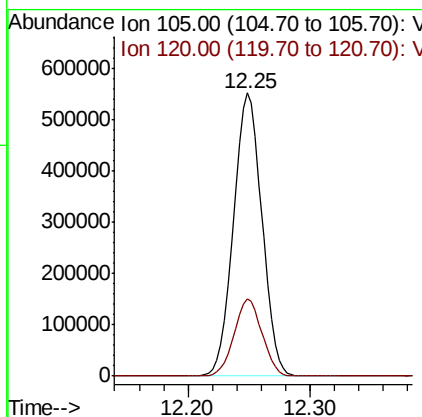
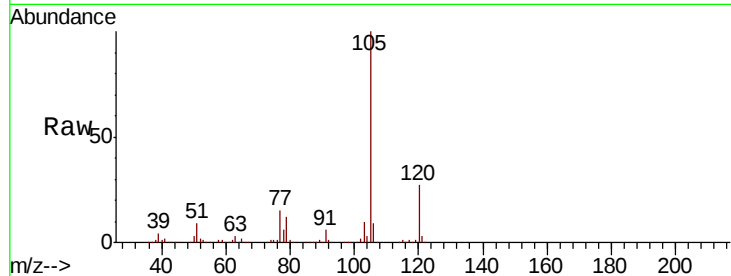
#73
Isopropylbenzene
Concen: 22.623 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.9

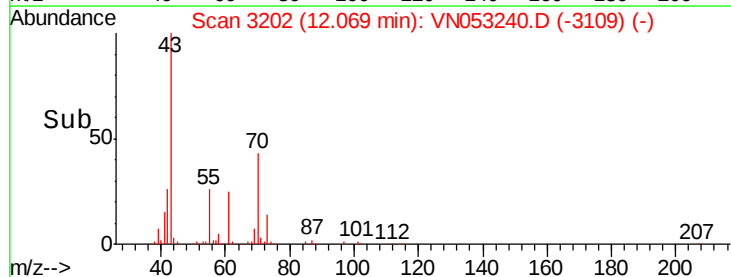
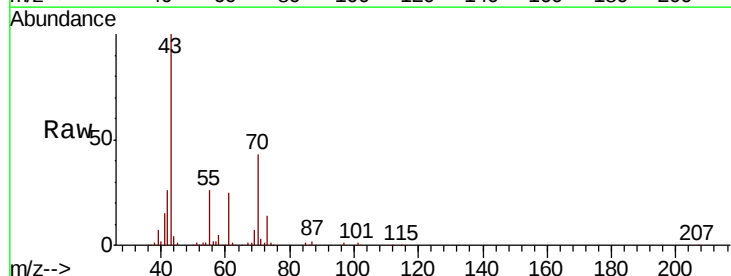
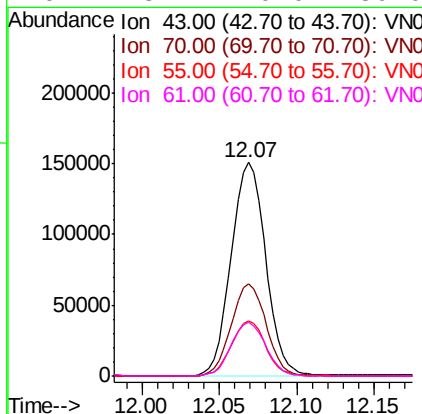
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#74
N-ethyl acetate
Concen: 21.403 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.9	34.2	51.4
55	25.7	20.3	30.5
61	25.4	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 26.220 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

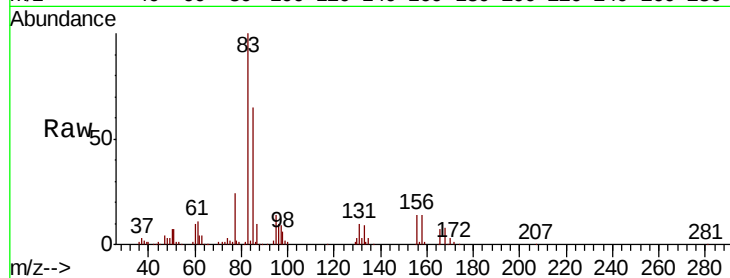
ClientSampleId :

VN0102WBS01

Tot Ion:	83	Resp:	201967
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.5	32.4	97.0

Manual Integrations
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1/3/2019 9:55:35 AM

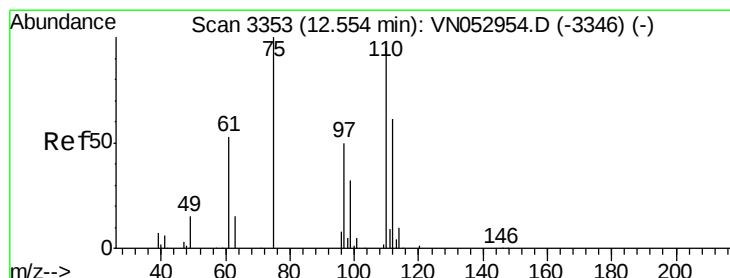
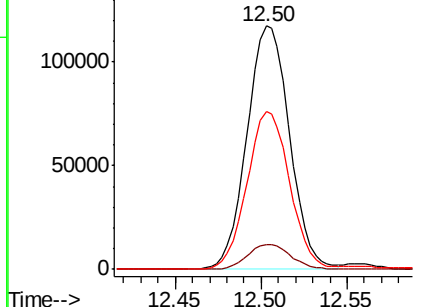
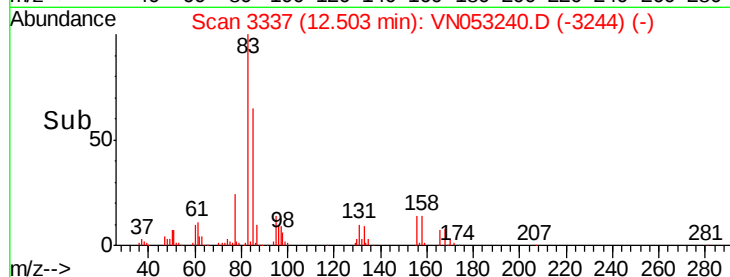


Abundance Ion 82.90 (82.60 to 83.60): VN053240.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053240.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053240.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.366 ug/l m

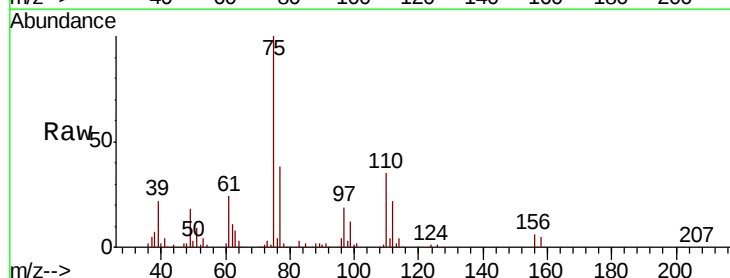
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

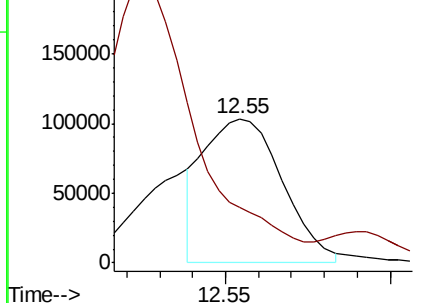
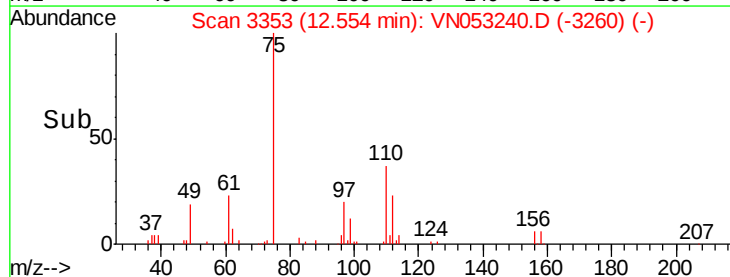
Tgt Ion:	75	Resp:	172043
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

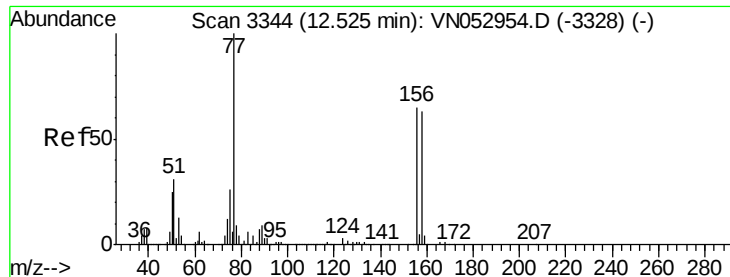


Abundance Ion 74.90 (74.60 to 75.60): VN053240.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053240.D (-3260) (-)

Time-->





#77

Bromobenzene

Concen: 22.186 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

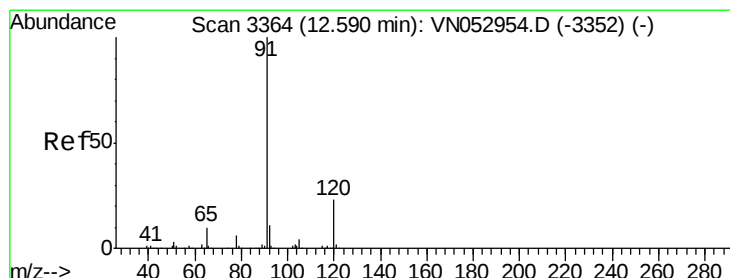
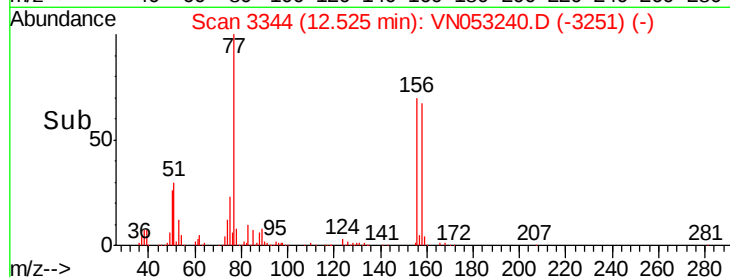
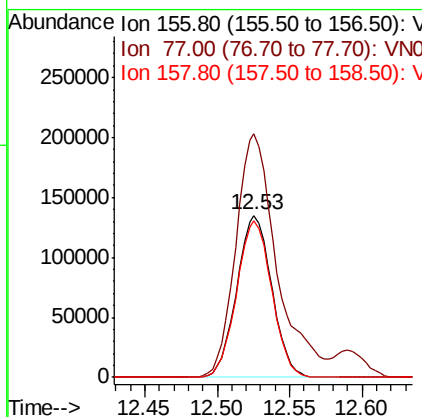
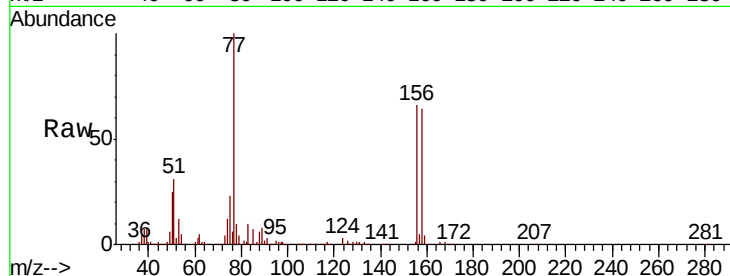
ClientSampled :

VN0102WBS01

Tot Ion:	156	Resp:	226437
Ion Ratio	Lower	Upper	
156	100		
77	177.7	91.3	273.8
158	96.9	49.0	147.2

Manual Integrations
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1/3/2019 9:55:35 AM



#78

n-propylbenzene

Concen: 21.694 ug/l

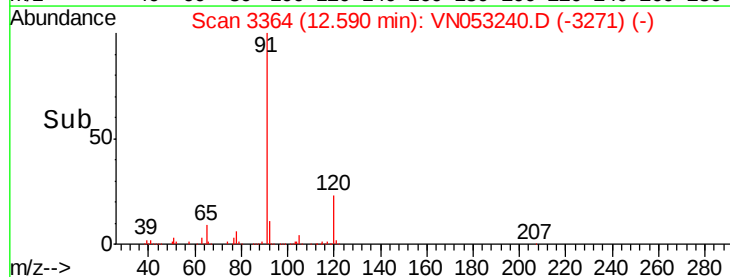
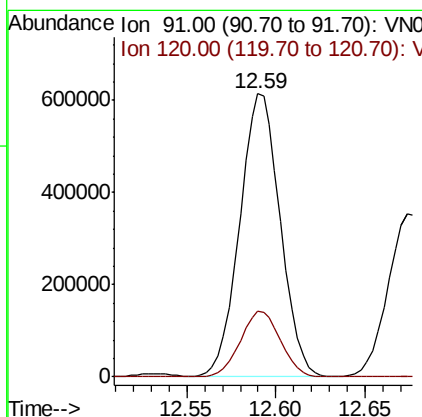
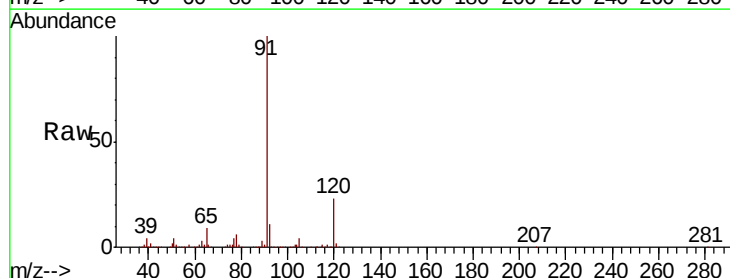
RT: 12.59 min Scan# 3364

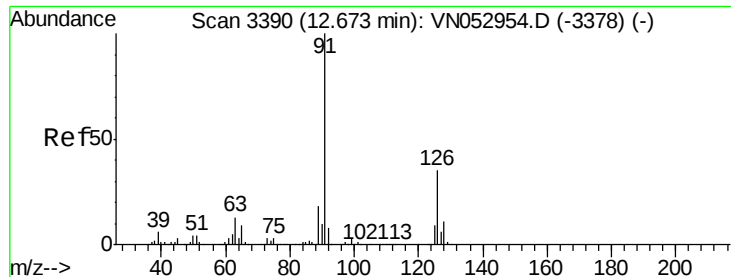
Delta R.T. -0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Tgt Ion:	91	Resp:	970113
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.994 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS01

Tot Ion: 91 Resp: 581905

Ion Ratio Lower Upper

91 100

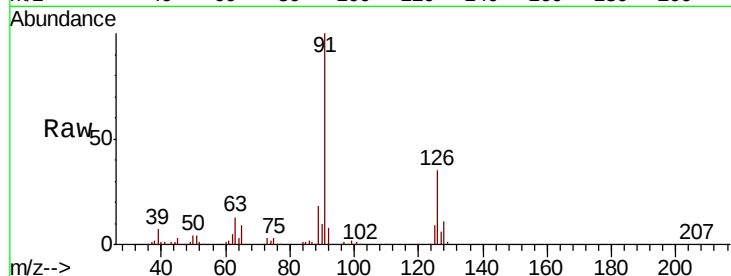
126 35.2 17.4 52.3

Manual Integrations

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MMDadoda

1/3/2019 9:55:35 AM



Abundance Ion 91.00 (90.70 to 91.70): VN053240.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN053240.D (-3297) (-)

600000

500000

400000

300000

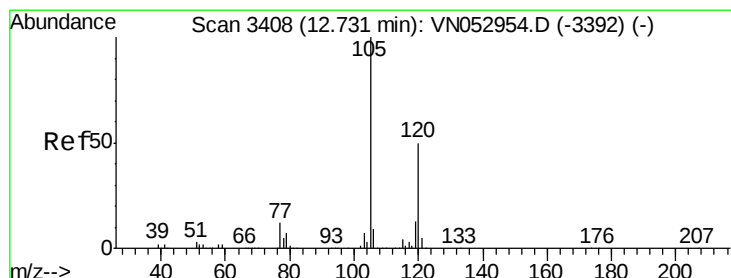
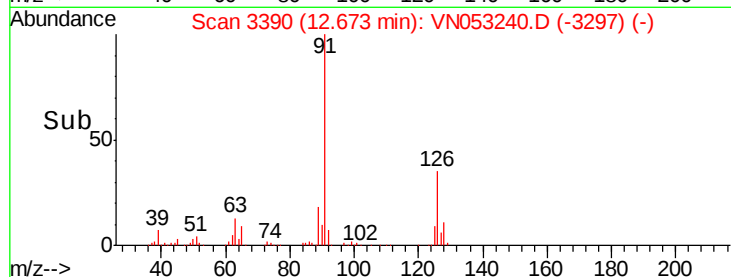
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.363 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053240.D

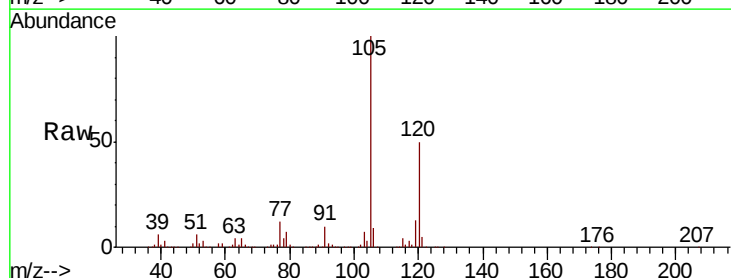
Acq: 2 Jan 2019 11:31

Tgt Ion:105 Resp: 683690

Ion Ratio Lower Upper

105 100

120 49.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053240.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN053240.D (-3315) (-)

500000

400000

300000

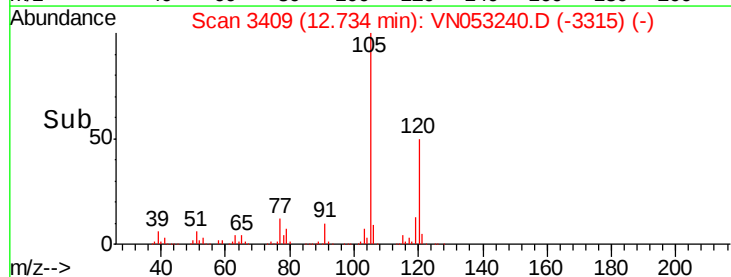
200000

100000

0

12.70 12.80

Time-->





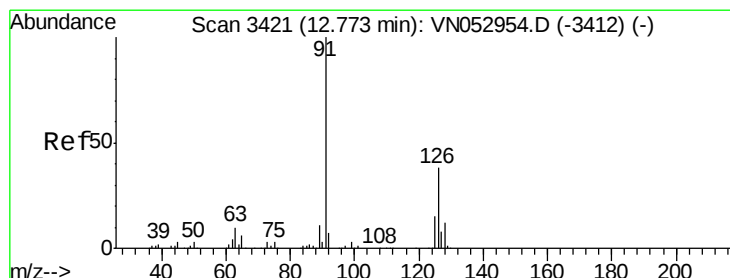
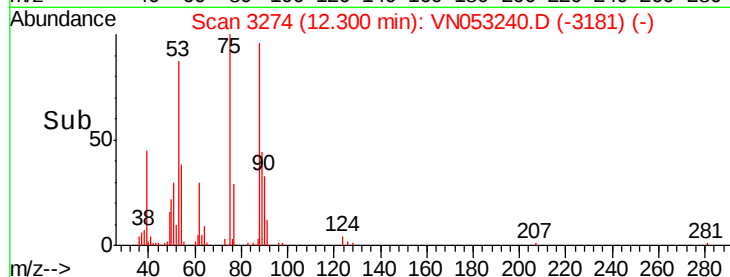
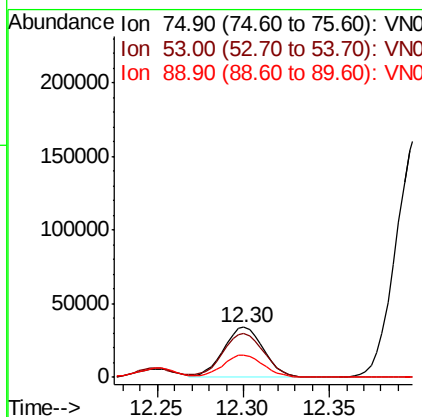
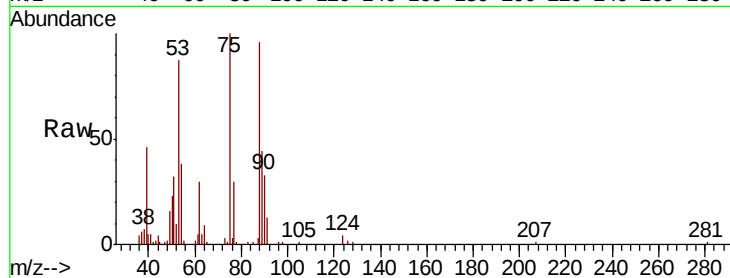
#81
trans-1,4-Dichloro-2-butene
Concen: 21.176 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	74.7	112.1
89	44.9	36.1	54.1

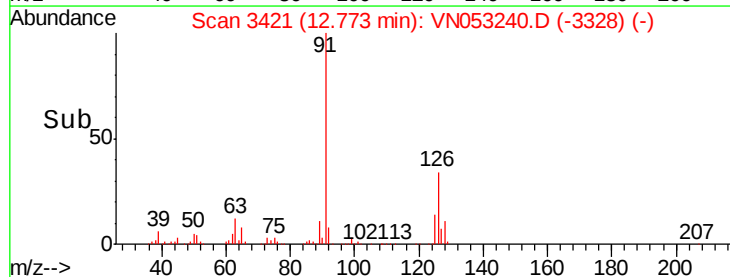
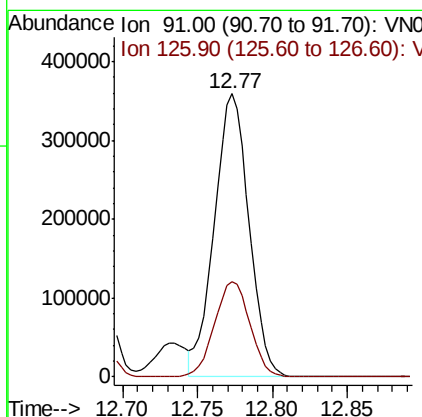
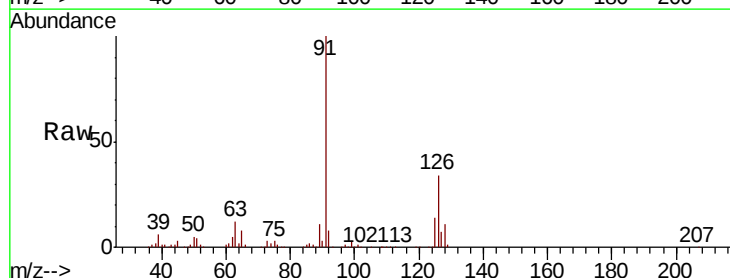
Manual Integrations
APPROVED

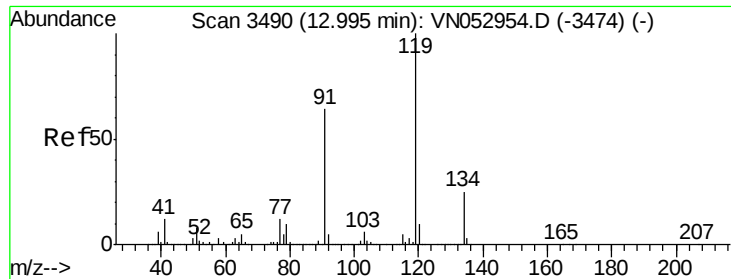
MMDadoda
1/3/2019 9:55:35 AM



#82
4-Chlorotoluene
Concen: 21.361 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	51.7





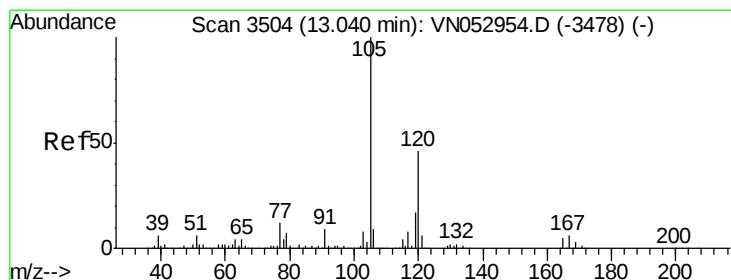
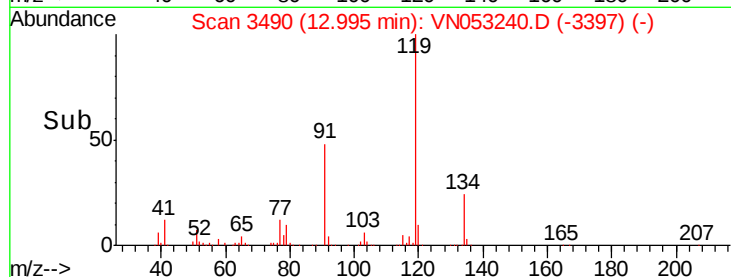
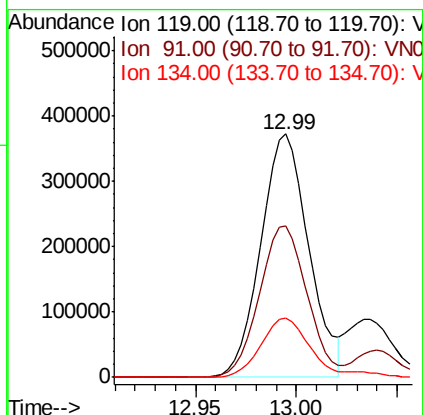
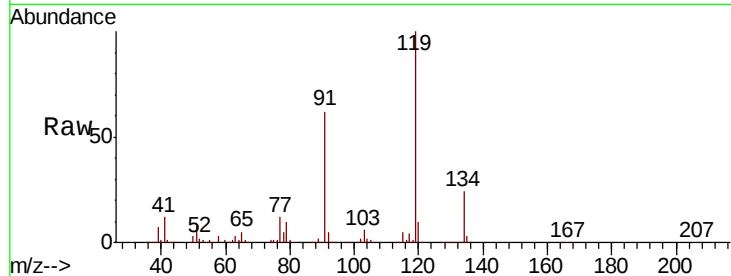
#83
tert-Butylbenzene
Concen: 21.845 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampled :
VN0102WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	618291		
91	61.6	31.9	95.5	
134	24.3	12.8	38.4	

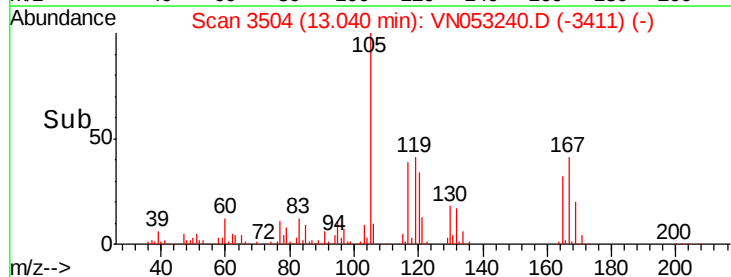
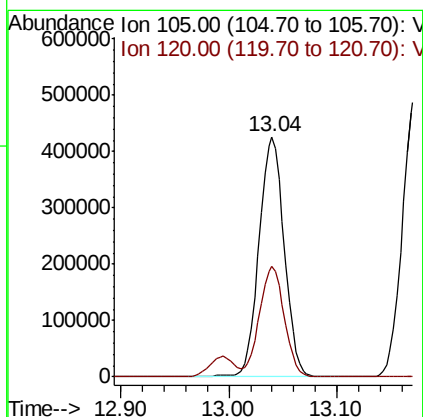
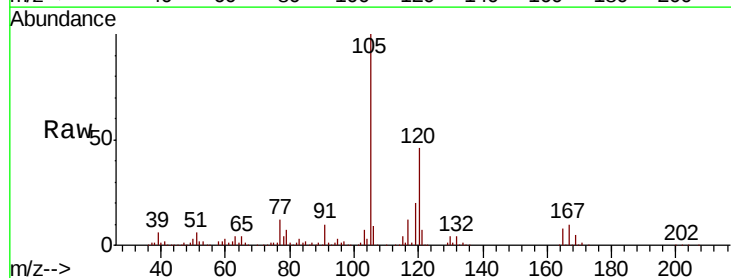
Manual Integrations
APPROVED

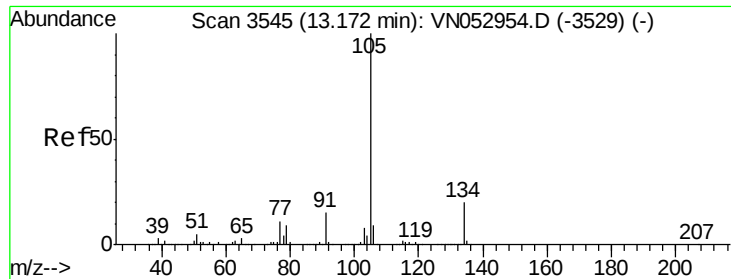
MMDadoda
1/3/2019 9:55:35 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.454 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	690214		
120	45.5	22.9	68.8	





#85

sec-Butylbenzene

Concen: 20.760 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS01

Tot Ion:105 Resp: 794772

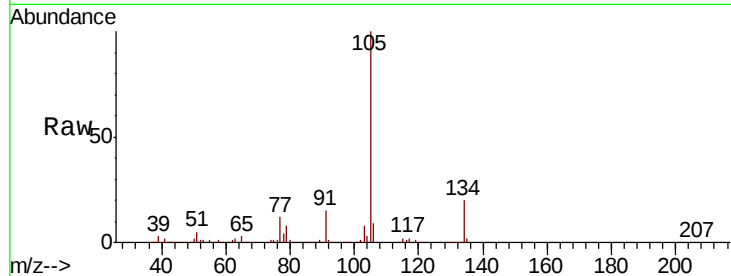
Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3

Manual Integrations
APPROVED

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1/3/2019 9:55:35 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

500000

400000

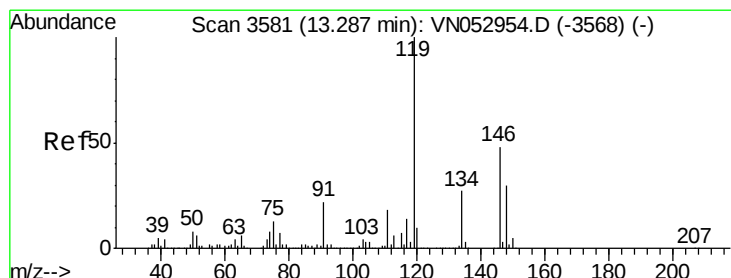
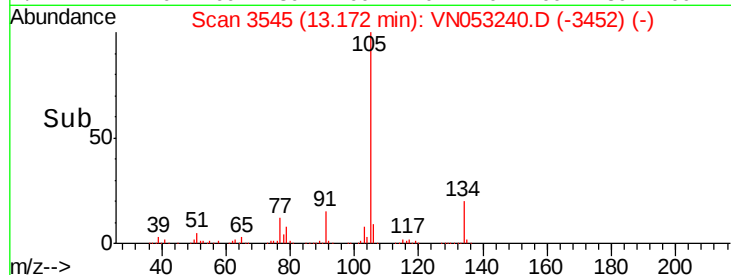
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.253 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053240.D

Acq: 2 Jan 2019 11:31

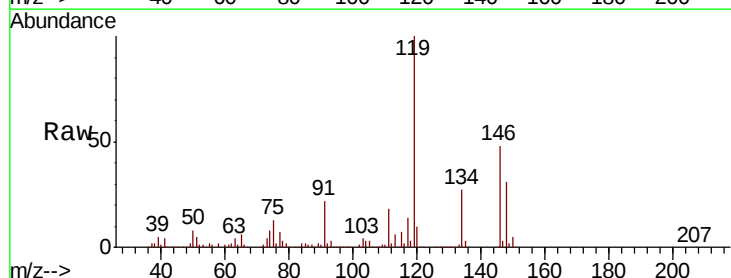
Tgt Ion:119 Resp: 669979

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.5 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

500000

400000

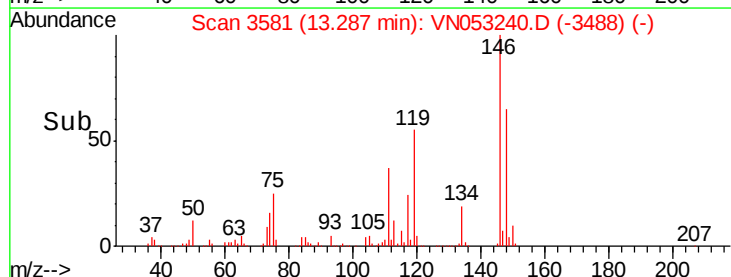
300000

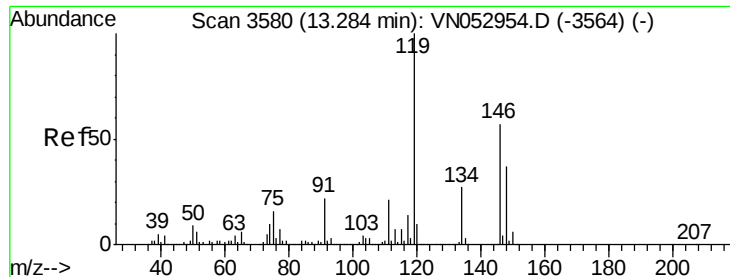
200000

100000

0

Time-->





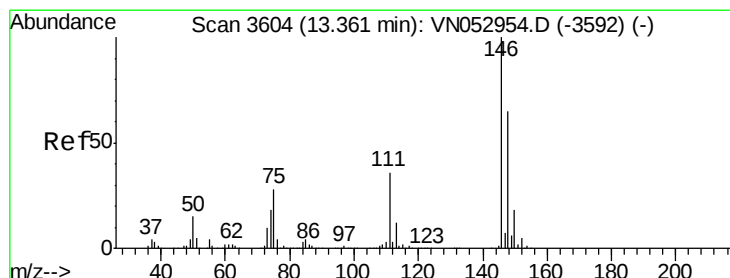
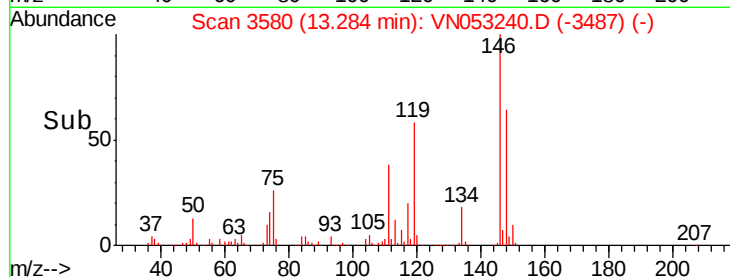
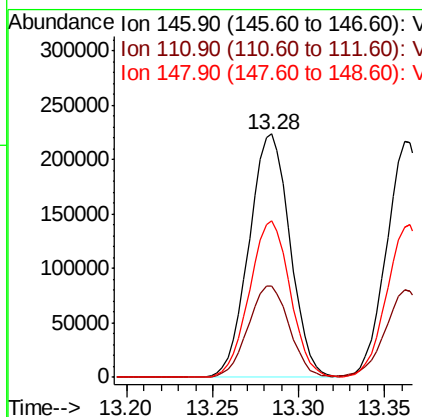
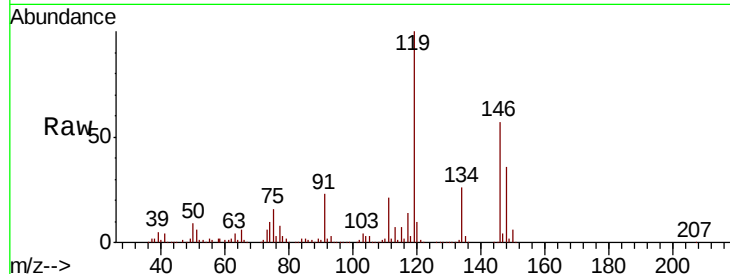
#87
 1,3-Dichlorobenzene
 Concen: 20.464 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	369658		
111	37.7	19.1	57.1	
148	64.0	32.0	96.0	

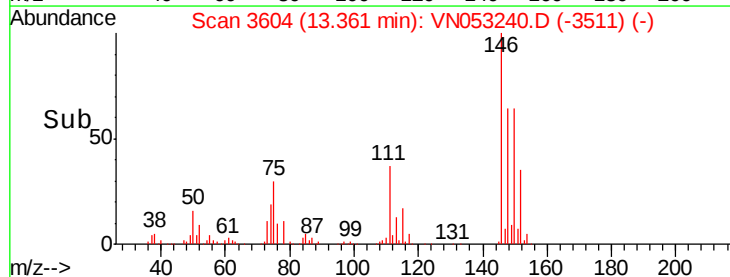
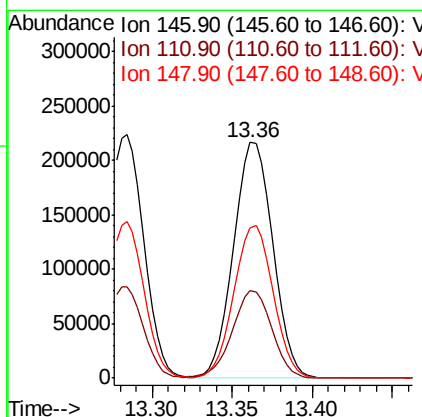
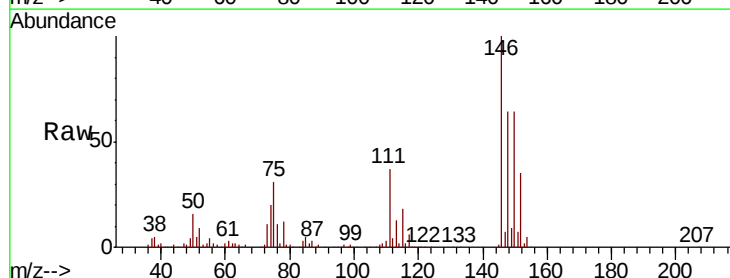
Manual Integrations
 APPROVED

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 1/3/2019 9:55:35 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.864 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	363376		
111	37.4	18.6	55.8	
148	64.5	32.1	96.5	





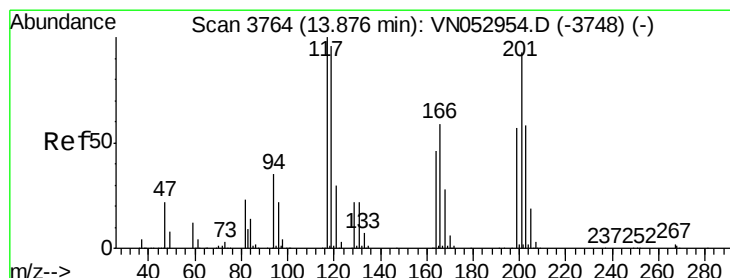
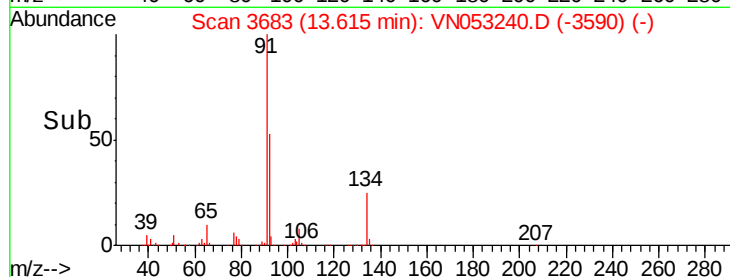
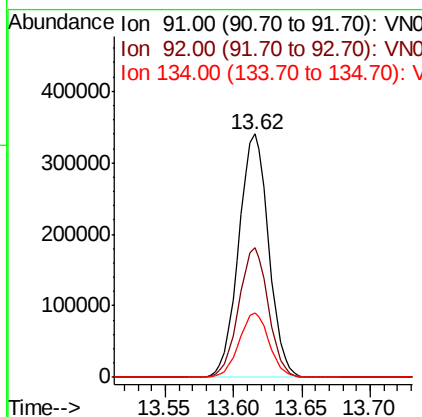
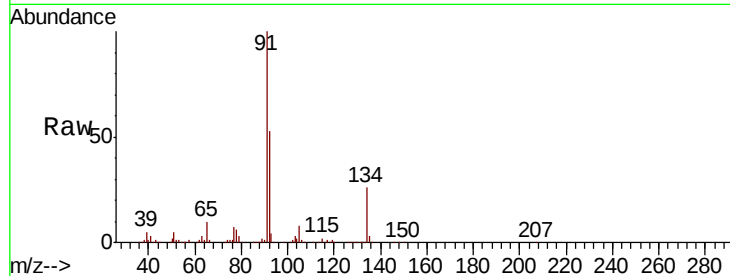
#89
n-Butylbenzene
Concen: 18.227 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampled :
VN0102WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	26.3	13.3	39.8

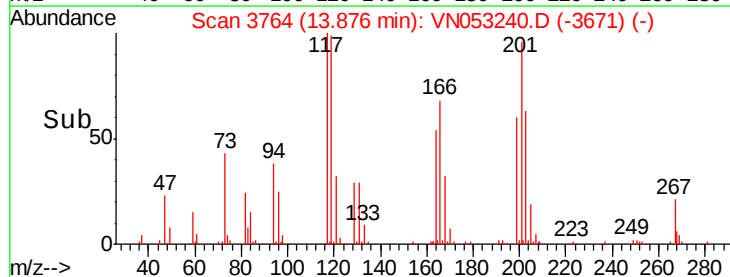
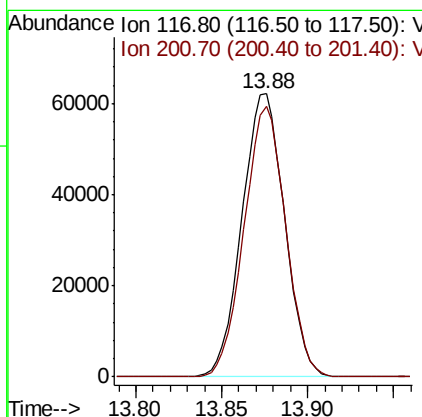
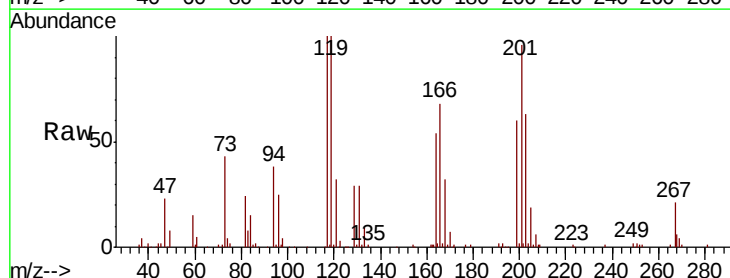
Manual Integrations
APPROVED

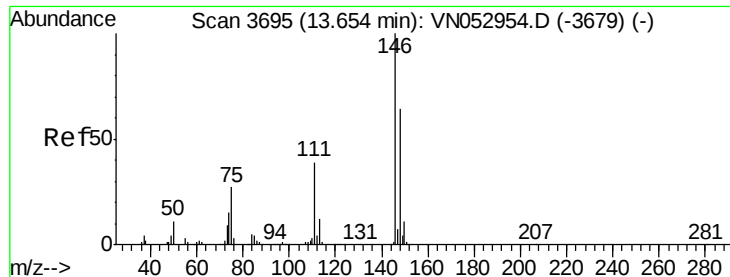
MMDadoda
1/3/2019 9:55:35 AM



#90
Hexachloroethane
Concen: 21.061 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.1	45.7	137.1





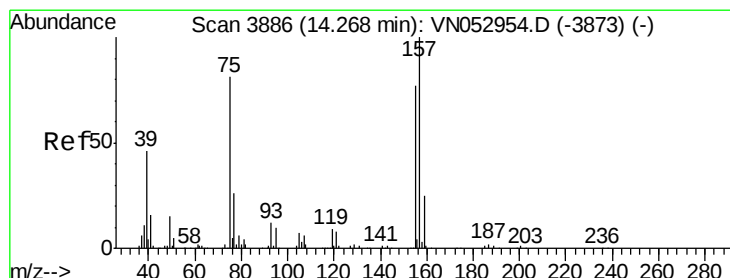
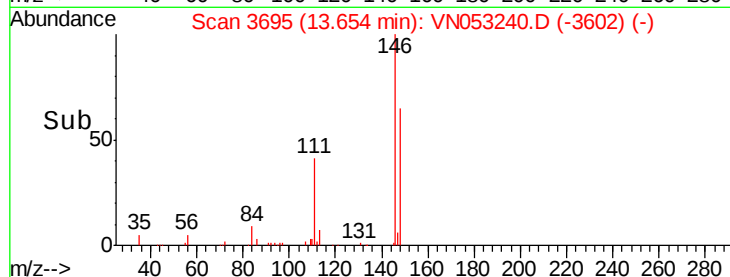
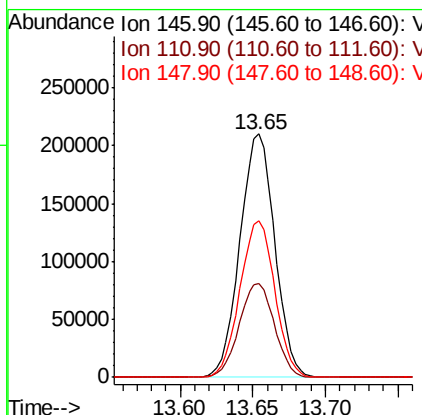
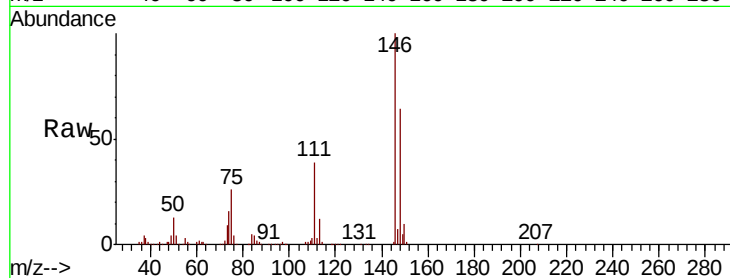
#91
 1,2-Dichlorobenzene
 Concen: 20.610 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	64.4	32.0	96.0

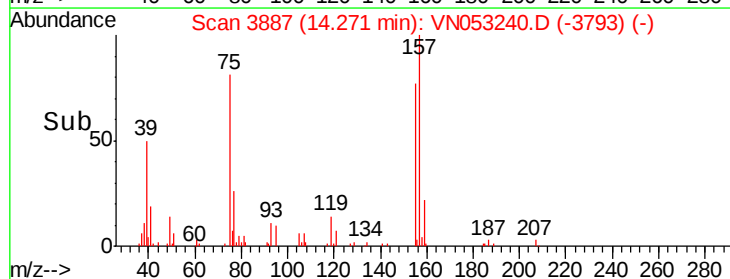
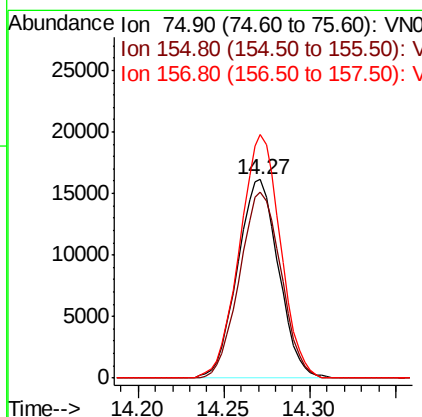
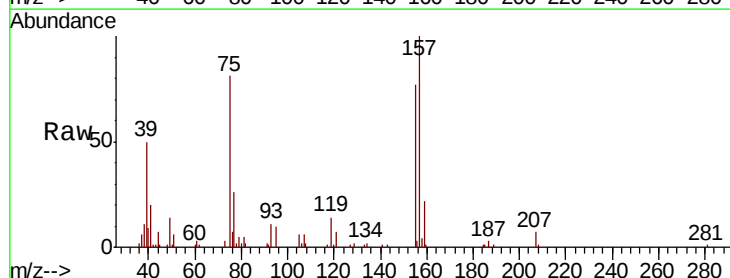
Manual Integrations
 APPROVED

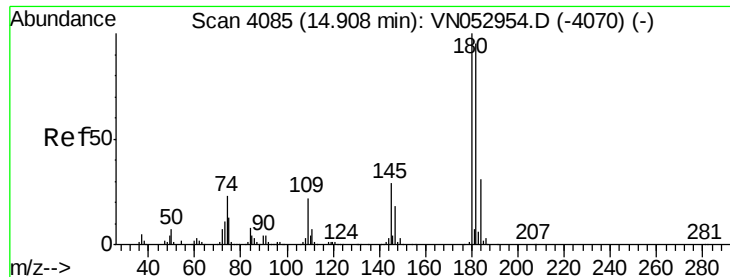
MMDadoda
 1/3/2019 9:55:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.118 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	48.2	144.6
157	121.2	61.2	183.5





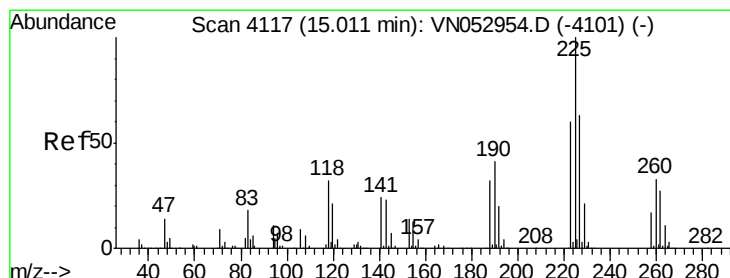
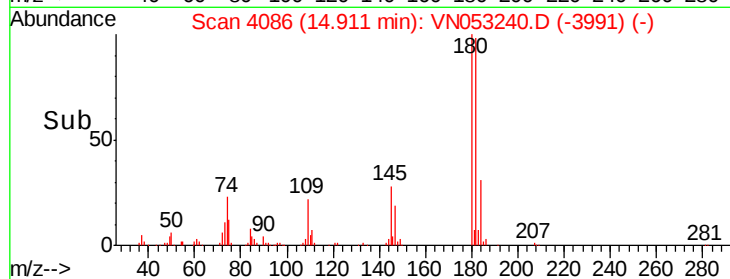
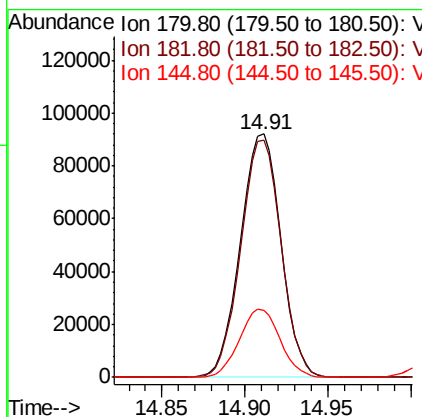
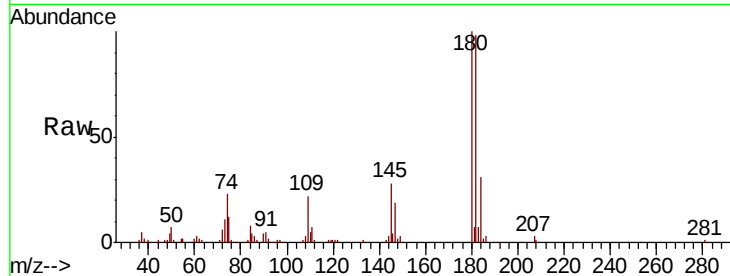
#93
 1,2,4-Trichlorobenzene
 Concen: 17.795 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	156777		
182	97.1	47.8	143.3	
145	28.2	14.2	42.6	

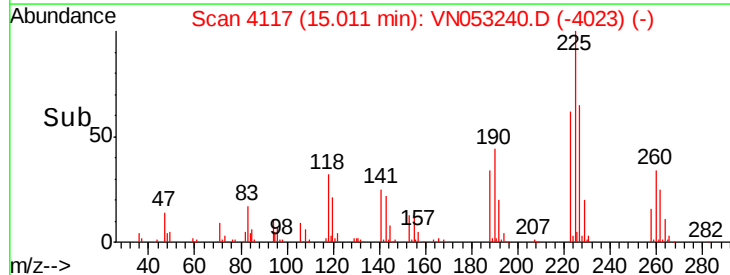
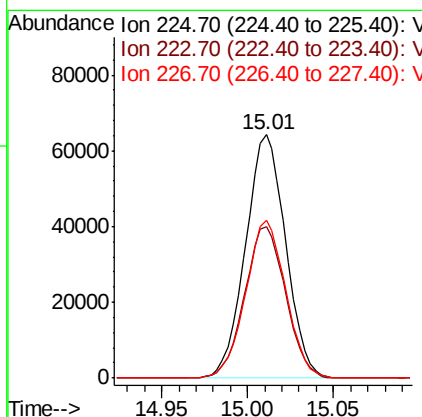
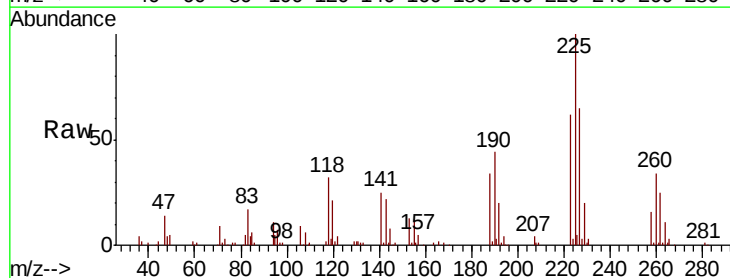
Manual Integrations
 APPROVED

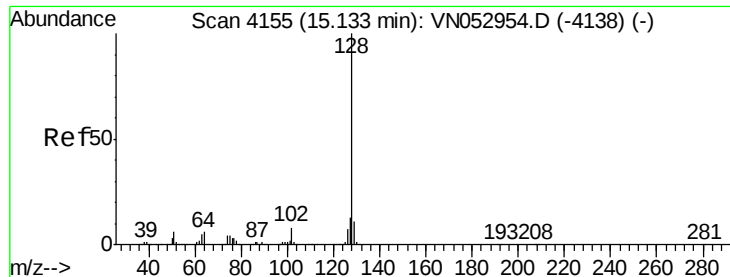
MMDadoda
 1/3/2019 9:55:35 AM



#94
 Hexachlorobutadiene
 Concen: 20.657 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053240.D
 Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104195		
223	63.6	31.5	94.5	
227	64.4	31.9	95.7	





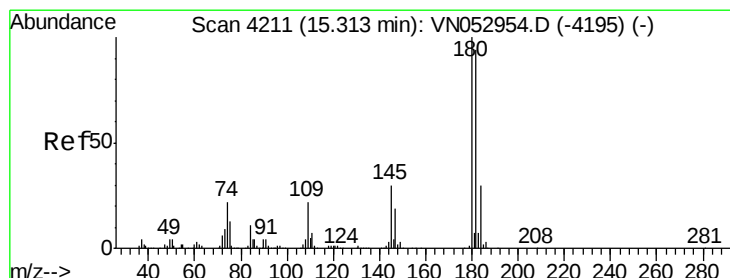
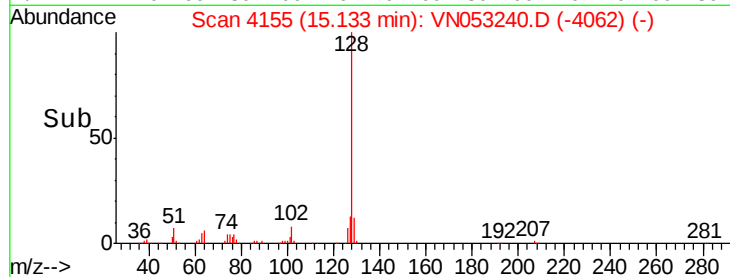
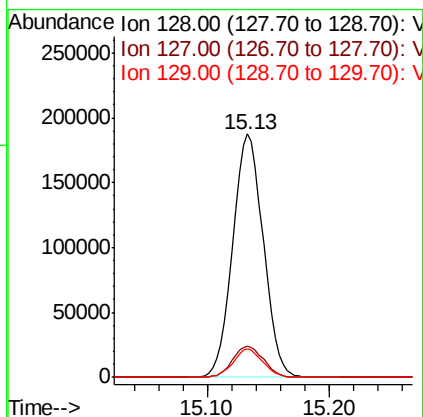
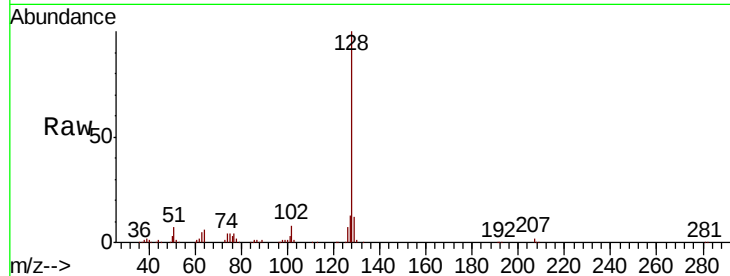
#95
Naphthalene
Concen: 17.289 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Instrument :
MSVOA_N
ClientSampled :
VN0102WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/3/2019 9:55:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.024 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053240.D
Acq: 2 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.9	143.7
145	29.5	15.0	45.0

