

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010219\
 Data File : VN053242.D
 Acq On : 2 Jan 2019 12:25
 Operator : MD\SY
 Sample : VN0102WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS02

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 9:55:39 AM

Quant Time: Jan 03 02:00:55 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	872609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1309517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1117504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	486965	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	469693	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
35) Dibromofluoromethane	7.59	113	396498	66.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.56%	
50) Toluene-d8	10.09	98	1630228	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.40	95	537934	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	162447	18.394	ug/l	99
3) Chloromethane	2.06	50	193222	18.055	ug/l	99
4) Vinyl Chloride	2.19	62	206495	19.052	ug/l	97
5) Bromomethane	2.58	94	137014	18.246	ug/l	99
6) Chloroethane	2.71	64	127326	19.835	ug/l	99
7) Trichlorofluoromethane	3.03	101	291103	21.560	ug/l	98
8) Diethyl Ether	3.42	74	112541	22.094	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	190791	22.162	ug/l	97
10) Methyl Iodide	3.96	142	238548	19.732	ug/l	99
11) Tert butyl alcohol	4.78	59	58613	108.479	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	175156	21.060	ug/l	100
13) Acrolein	3.61	56	47873	97.714	ug/l	99
14) Allyl chloride	4.33	41	293954	22.817	ug/l	95
15) Acrylonitrile	4.99	53	333857	111.221	ug/l	99
16) Acetone	3.82	43	248707	143.244	ug/l	99
17) Carbon Disulfide	4.06	76	459668	16.947	ug/l	100
18) Methyl Acetate	4.33	43	190831	24.728	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	501992	22.554	ug/l	99
20) Methylene Chloride	4.56	84	202914	21.425	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	185438	20.752	ug/l	98
22) Diisopropyl ether	5.96	45	643926	23.416	ug/l	97
23) Vinyl Acetate	5.90	43	1814538	114.752	ug/l	99
24) 1,1-Dichloroethane	5.86	63	365210	22.350	ug/l	99
25) 2-Butanone	6.84	43	363511	124.753	ug/l	98
26) 2,2-Dichloropropane	6.83	77	278129	22.297	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	221118	21.857	ug/l	99
28) Bromochloromethane	7.20	49	167360	23.636	ug/l	96
29) Tetrahydrofuran	7.21	42	246586	113.307	ug/l	99
30) Chloroform	7.37	83	359563	22.400	ug/l	98
31) Cyclohexane	7.66	56	325931	20.650	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	302160	22.097	ug/l	100
36) 1,1-Dichloropropene	7.80	75	266715	21.220	ug/l	100
37) Ethyl Acetate	6.93	43	160410	22.861	ug/l	99
38) Carbon Tetrachloride	7.78	117	256794	22.290	ug/l	100

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	303948	19.906	ug/l	96
40) Benzene	8.04	78	823963	22.039	ug/l	99
41) Methacrylonitrile	7.17	41	92526	22.822	ug/l	98
42) 1,2-Dichloroethane	8.13	62	247591	22.417	ug/l	99
43) Isopropyl Acetate	8.16	43	305168	21.887	ug/l	99
44) Trichloroethene	8.84	130	225659	20.868	ug/l	97
45) 1,2-Dichloropropane	9.12	63	222362	22.834	ug/l	99
46) Dibromomethane	9.21	93	124347	21.920	ug/l	99
47) Bromodichloromethane	9.40	83	269795	22.374	ug/l	100
48) Methyl methacrylate	9.20	41	145376	21.351	ug/l	98
49) 1,4-Dioxane	9.20	88	34157	396.583	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	780319	114.835	ug/l	100
52) Toluene	10.16	92	490398	21.162	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	262781	20.724	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	318659	21.894	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	182069	22.521	ug/l	100
56) Ethyl methacrylate	10.43	69	231299	21.616	ug/l	96
57) 1,3-Dichloropropane	10.71	76	310696	22.411	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	637810	108.572	ug/l	99
59) 2-Hexanone	10.75	43	512198	111.409	ug/l	99
60) Dibromochloromethane	10.90	129	201789	21.806	ug/l	98
61) 1,2-Dibromoethane	11.01	107	172524	21.012	ug/l	98
64) Tetrachloroethene	10.63	164	232085	19.173	ug/l	99
65) Chlorobenzene	11.43	112	536980	21.677	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	197176	22.889	ug/l	99
67) Ethyl Benzene	11.51	91	913707	21.448	ug/l	100
68) m/p-Xylenes	11.62	106	684627	42.274	ug/l	99
69) o-Xylene	11.95	106	336248	21.637	ug/l	98
70) Styrene	11.96	104	536268	21.162	ug/l	99
71) Bromoform	12.13	173	130856	21.027	ug/l #	100
73) Isopropylbenzene	12.25	105	884953	23.227	ug/l	99
74) N-amyl acetate	12.07	43	229214	21.669	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	197576	26.432	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	182195m	22.226	ug/l	
77) Bromobenzene	12.53	156	224295	22.647	ug/l	99
78) n-propylbenzene	12.59	91	983212	22.658	ug/l	99
79) 2-Chlorotoluene	12.67	91	579304	21.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	693194	22.321	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54492	21.425	ug/l	99
82) 4-Chlorotoluene	12.77	91	582678	22.130	ug/l	99
83) tert-Butylbenzene	12.99	119	622126	22.651	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	703231	22.525	ug/l	99
85) sec-Butylbenzene	13.17	105	805614	21.685	ug/l	99
86) p-Isopropyltoluene	13.29	119	687996	21.432	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	373727	21.321	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	370318	20.861	ug/l	99
89) n-Butylbenzene	13.62	91	537093	19.448	ug/l	100
90) Hexachloroethane	13.88	117	108471	22.020	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	359574	21.796	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26878	20.796	ug/l	98

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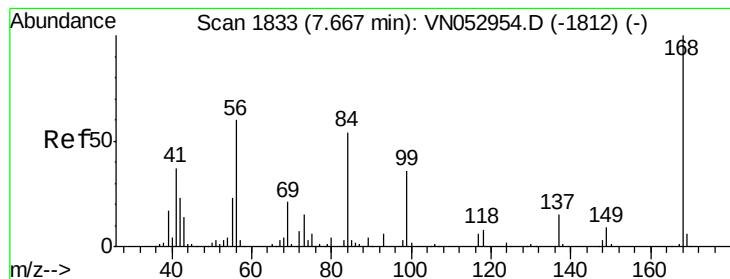
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	167251	19.503	ug/l	99
94) Hexachlorobutadiene	15.01	225	110621	22.887	ug/l	99
95) Naphthalene	15.13	128	340384	18.517	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	150185	19.395	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS02

Tot Ion:168 Resp: 872609

Ion Ratio Lower Upper

168 100

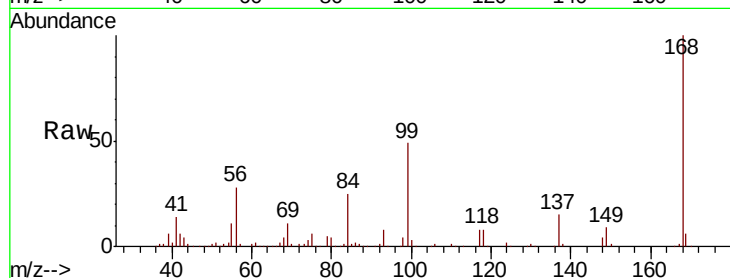
99 48.7 40.2 60.2

Manual Integrations

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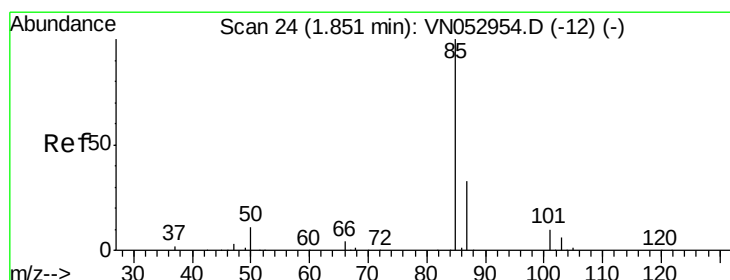
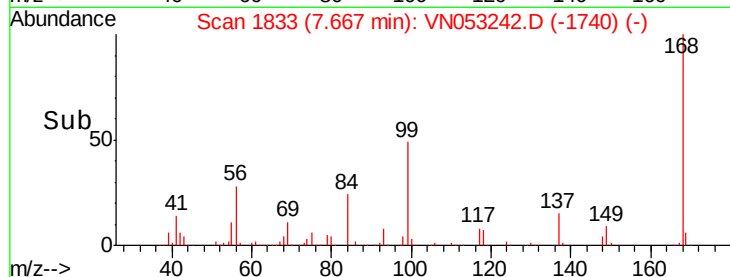
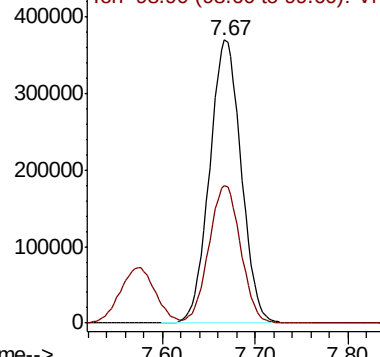
MMDadoda

1/3/2019 9:55:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.394 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053242.D

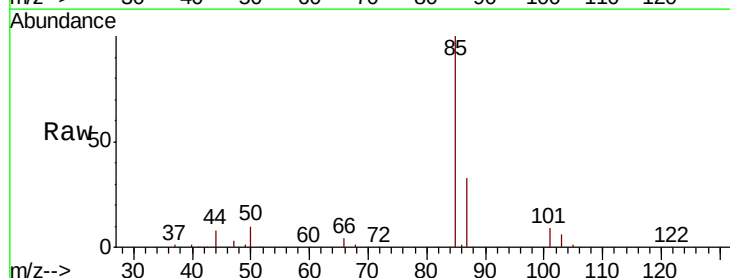
Acq: 2 Jan 2019 12:25

Tgt Ion: 85 Resp: 162447

Ion Ratio Lower Upper

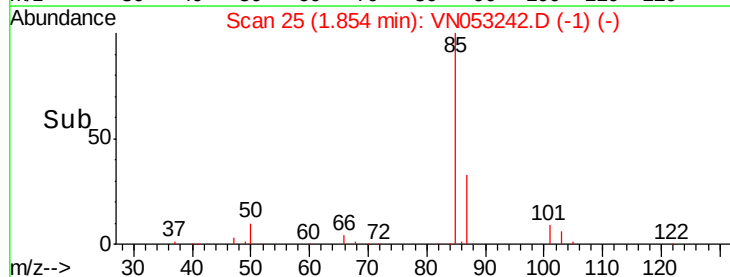
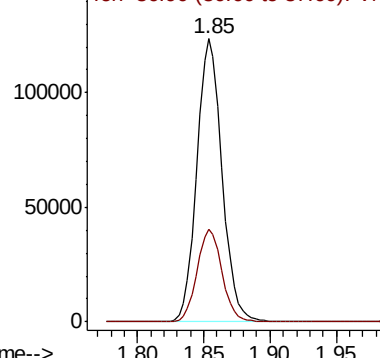
85 100

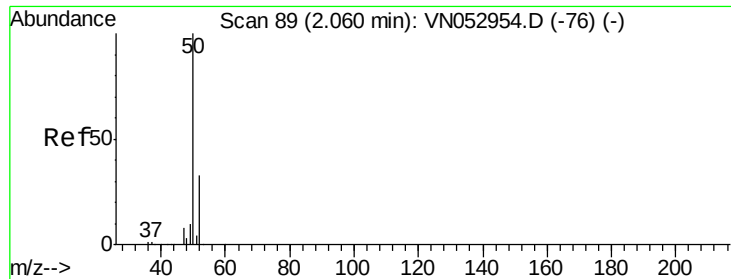
87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.055 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0102WBS02

Tot Ion: 50 Resp: 193222

Ion Ratio Lower Upper

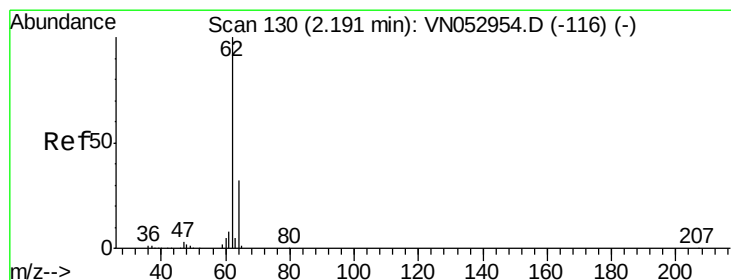
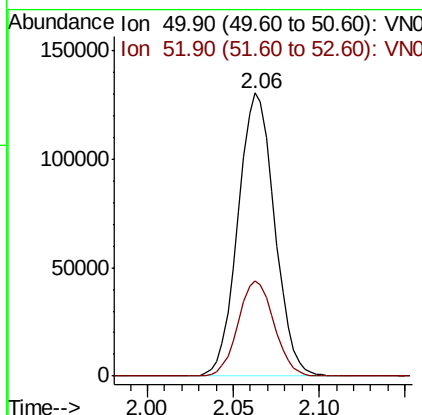
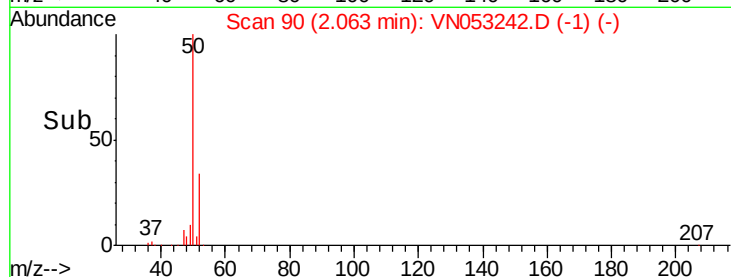
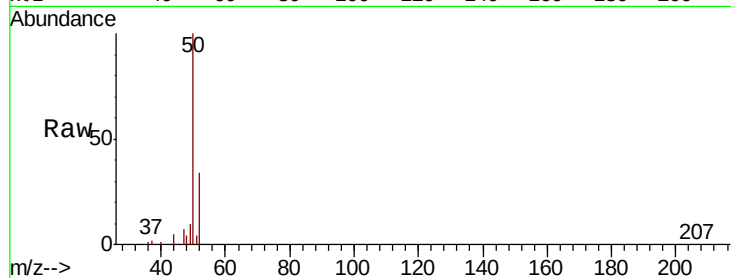
50 100

52 33.6 26.2 39.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.052 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053242.D

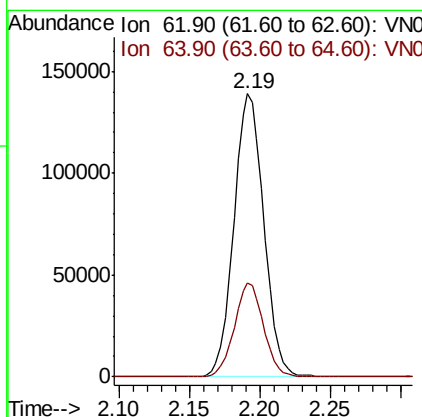
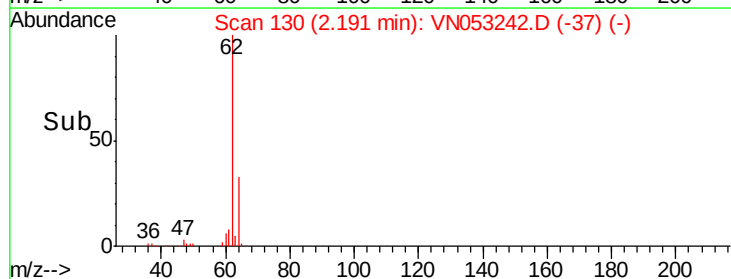
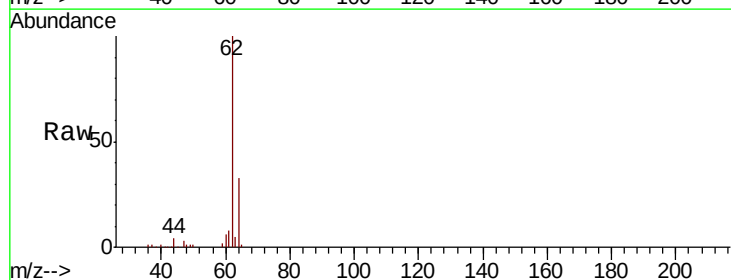
Acq: 2 Jan 2019 12:25

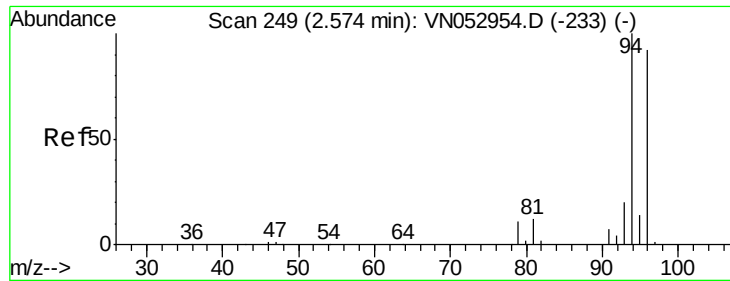
Tgt Ion: 62 Resp: 206495

Ion Ratio Lower Upper

62 100

64 33.4 25.5 38.3





#5

Bromomethane

Concen: 18.246 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS02

Tot Ion: 94 Resp: 137014

Ion Ratio Lower Upper

94 100

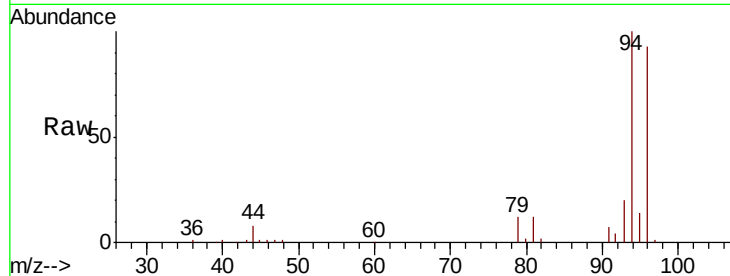
96 93.1 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

80000

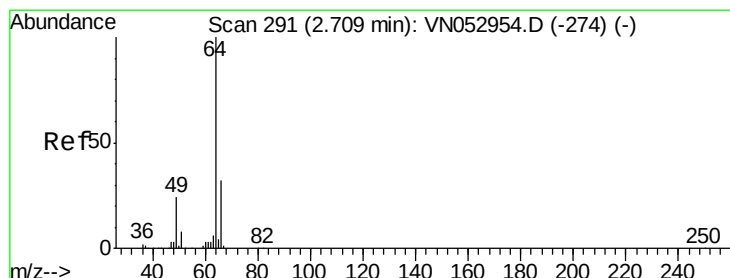
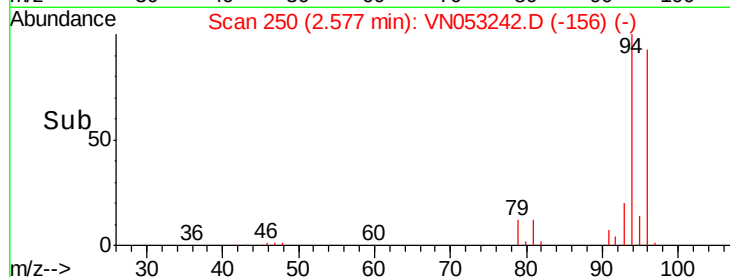
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 19.835 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053242.D

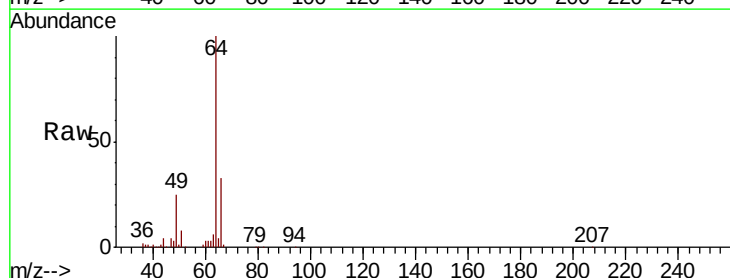
Acq: 2 Jan 2019 12:25

Tgt Ion: 64 Resp: 127326

Ion Ratio Lower Upper

64 100

66 33.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

80000

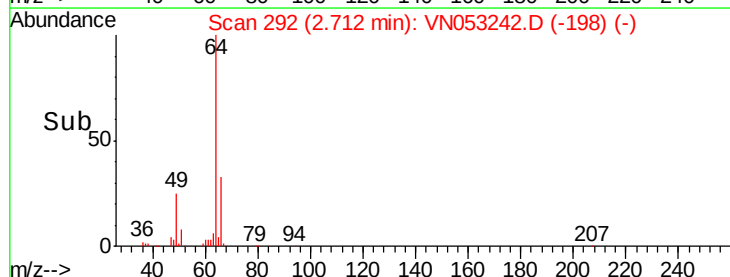
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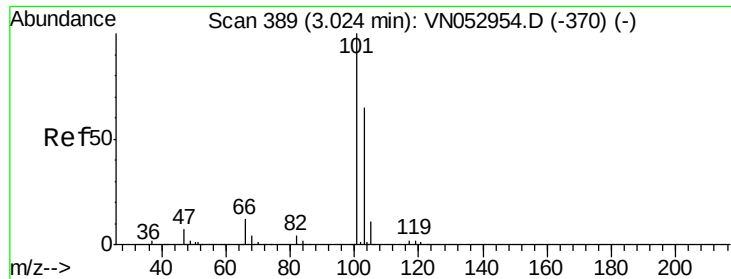
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20000

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Time-->





#7

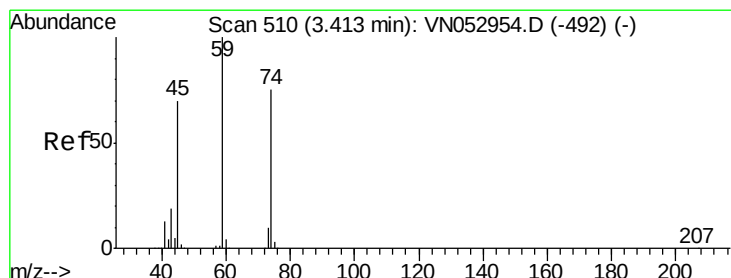
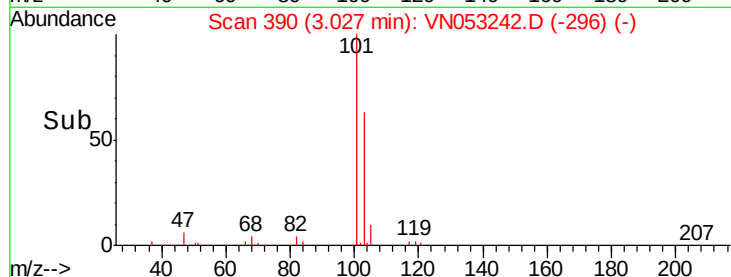
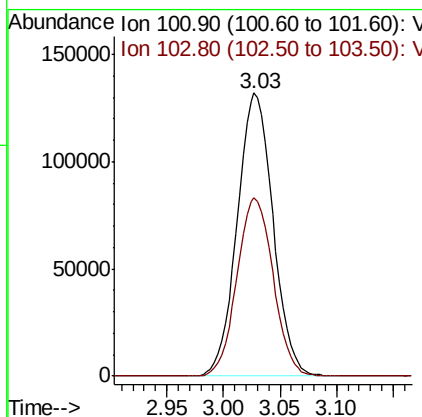
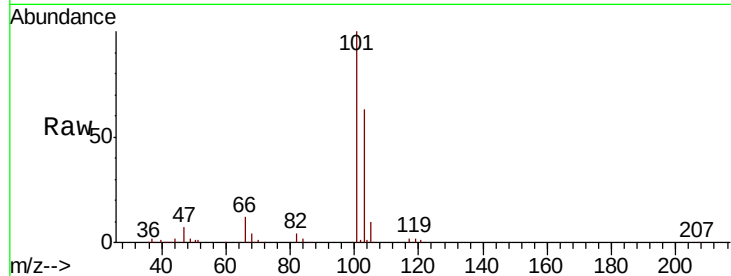
Trichlorofluoromethane
 Concen: 21.560 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Instrument :
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 ClientSampleId :
 VN0102WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.8	77.6

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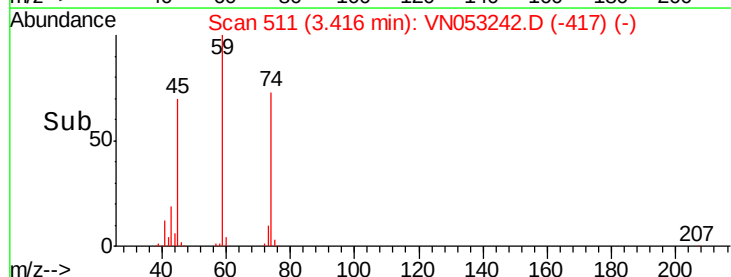
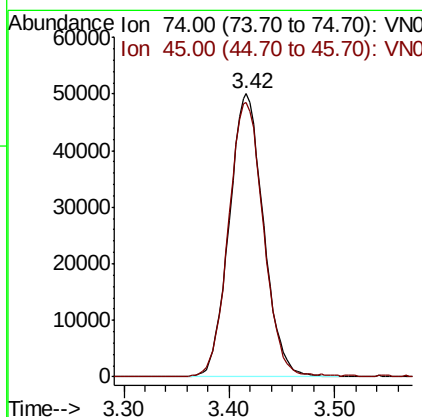
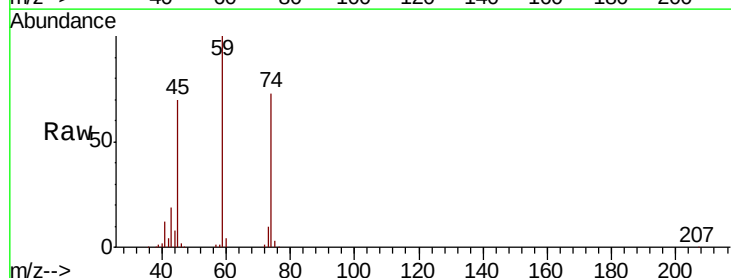
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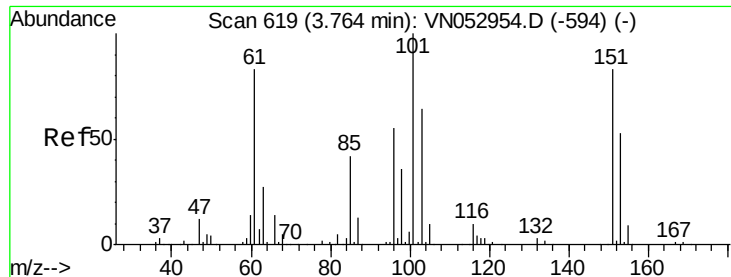


#8

Diethyl Ether
 Concen: 22.094 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	49.4	148.0





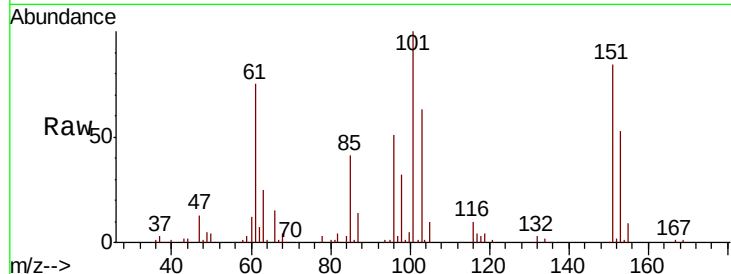
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.162 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS02

Tot Ion:	101	Resp:	190791
Ion Ratio	Lower	Upper	
101	100		
85	40.4	33.6	50.4
151	84.2	65.5	98.3

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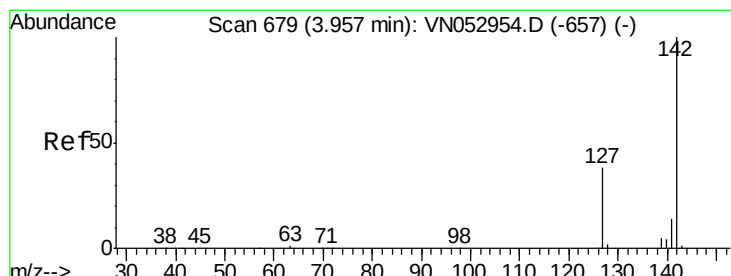
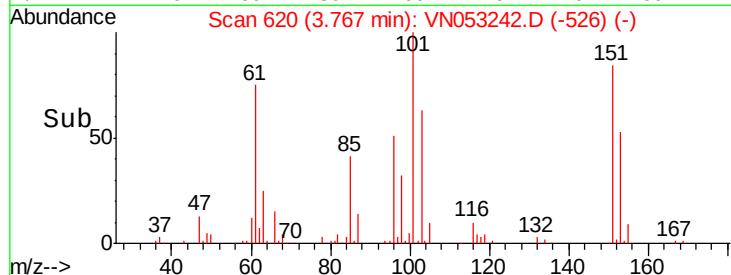
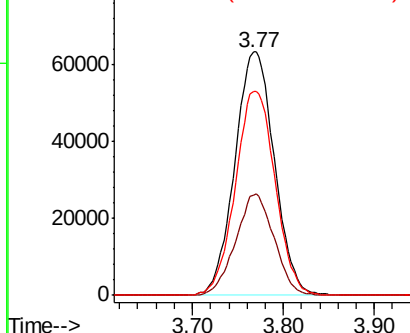


Abundance

Ion 100.90 (100.60 to 101.60): V

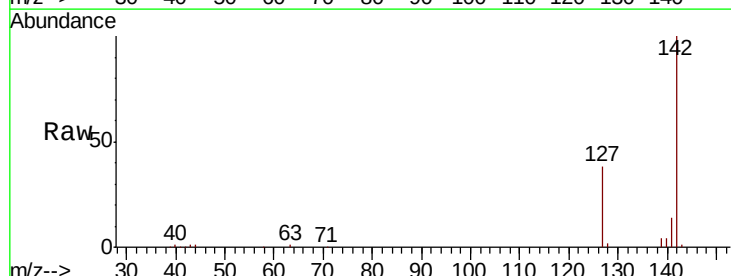
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 19.732 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Tgt Ion:	142	Resp:	238548
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.6
141	14.2	11.2	16.8

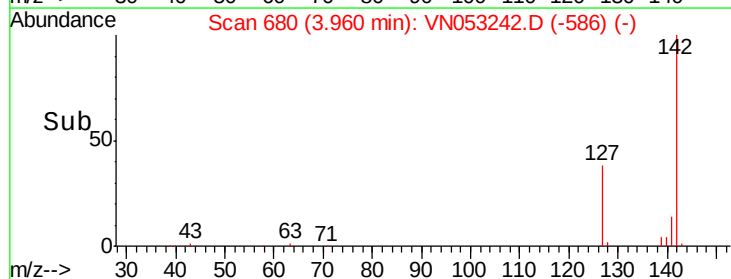
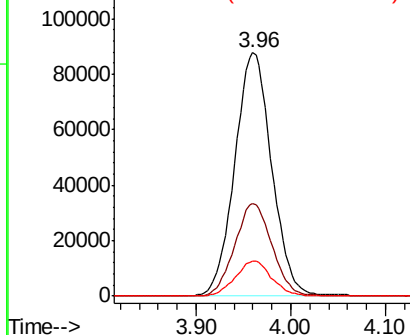


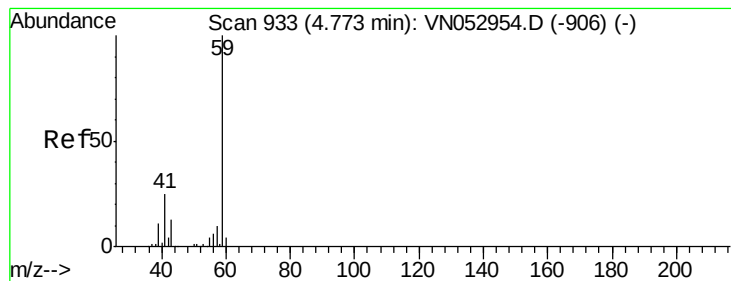
Abundance

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

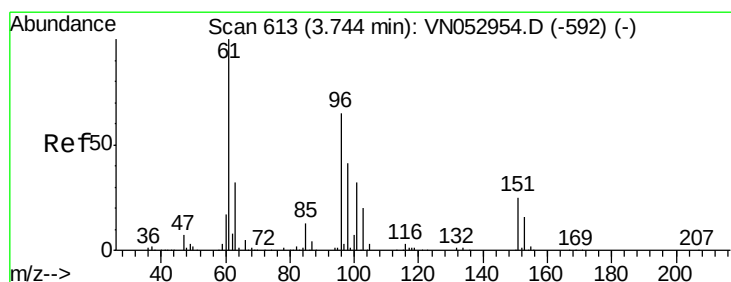
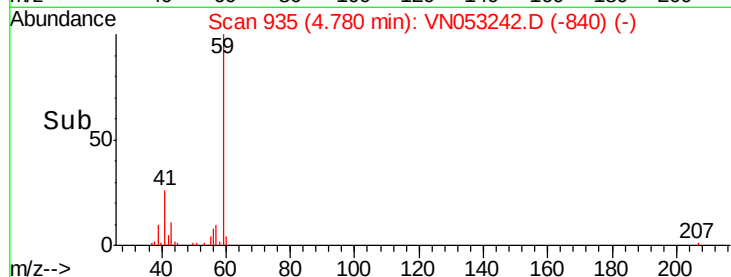
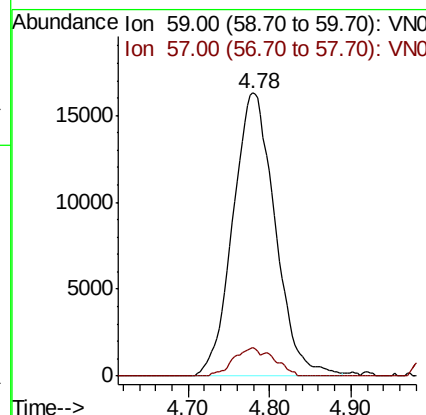
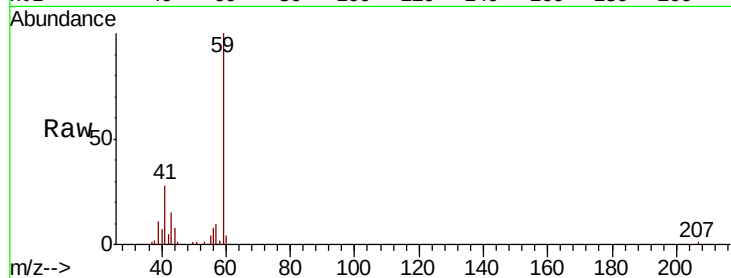
Tert butyl alcohol
 Concen: 108.479 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.7	7.7	11.5#

Manual Integrations
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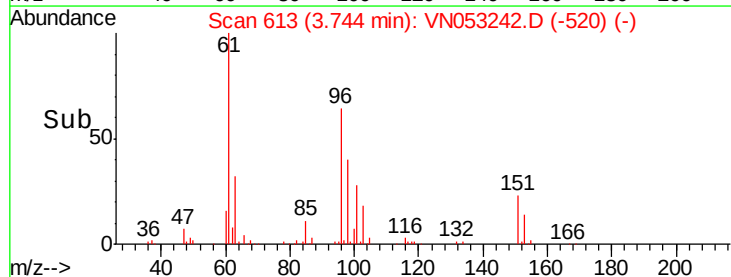
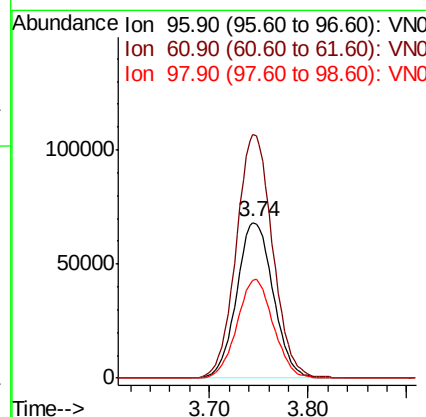
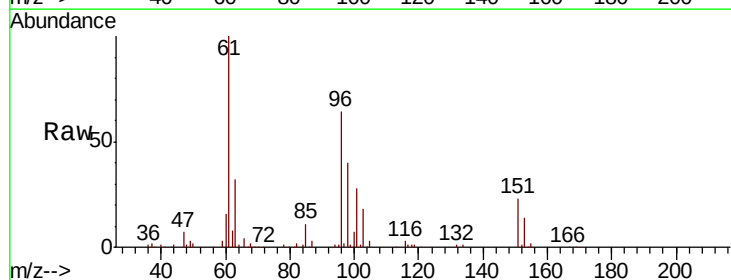
MMDadoda
 1/3/2019 9:55:39 AM

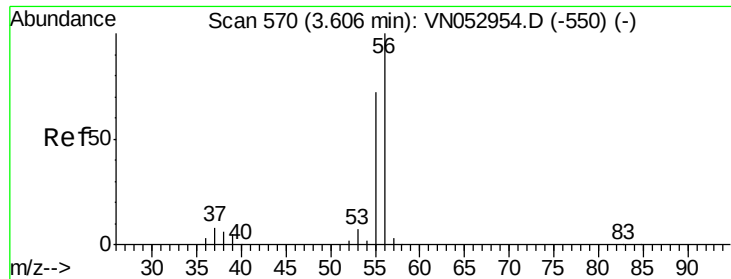


#12

1,1-Dichloroethene
 Concen: 21.060 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.4	125.6	188.4
98	63.1	50.6	75.8





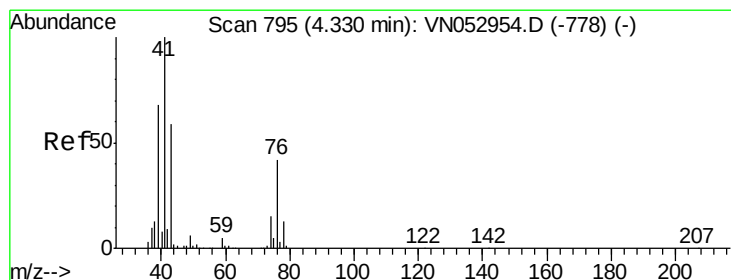
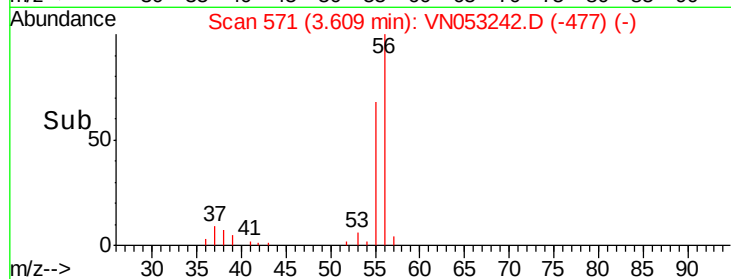
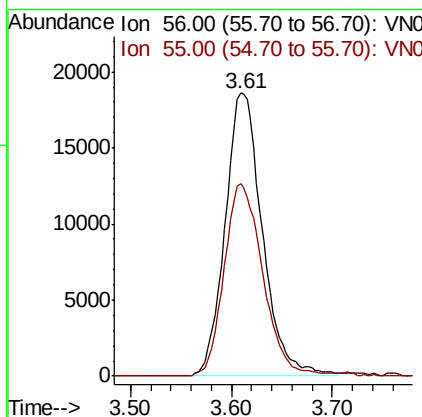
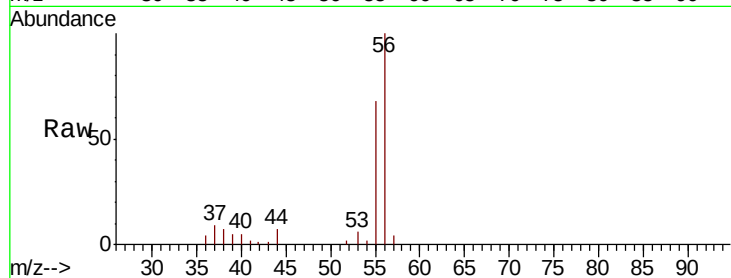
#13
Acrolein
Concen: 97.714 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS02

Tot Ion	56	55	Ratio	Lower	Upper
47873	100	70.2		56.6	85.0

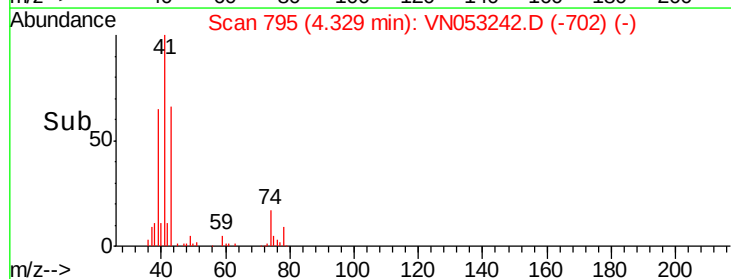
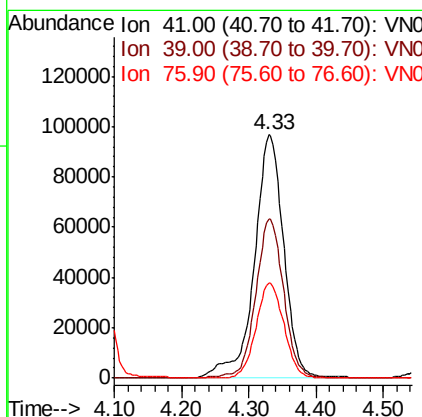
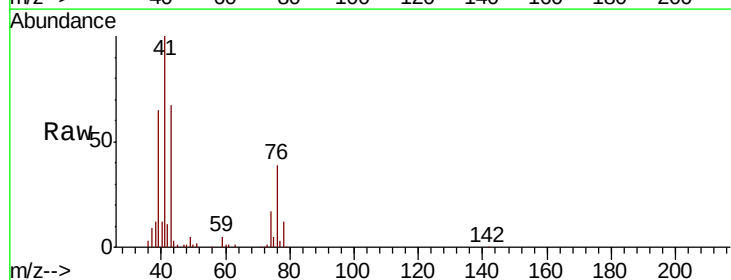
Manual Integrations
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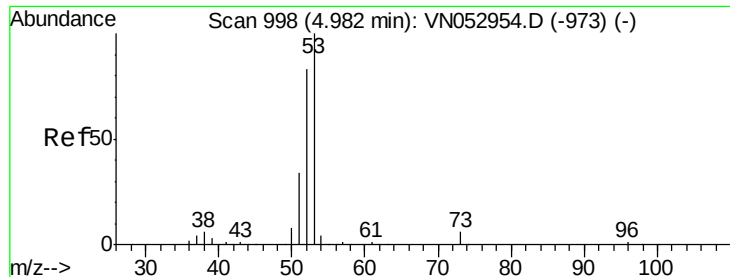
MMDadoda
1/3/2019 9:55:39 AM



#14
Allyl chloride
Concen: 22.817 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	41	39	76	Ratio	Lower	Upper
293954	100	62.0	36.9		54.1	81.1





#15

Acrylonitrile

Concen: 111.221 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

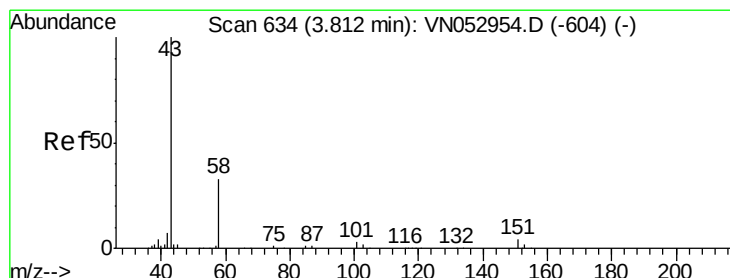
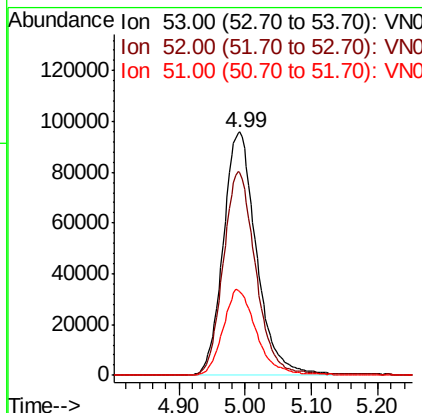
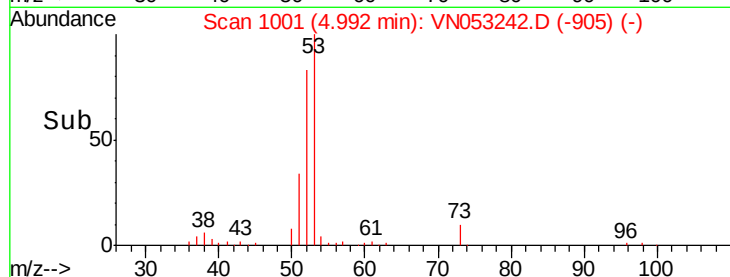
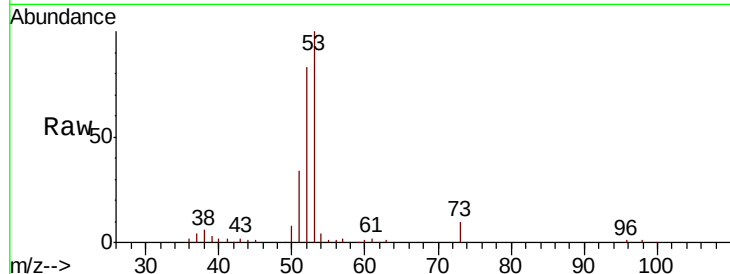
ClientSampleId :

VN0102WBS02

Tot Ion:	53	Resp:	333857
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.1	97.7
51	35.4	28.1	42.1

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MMDadoda
1/3/2019 9:55:39 AM



#16

Acetone

Concen: 143.244 ug/l

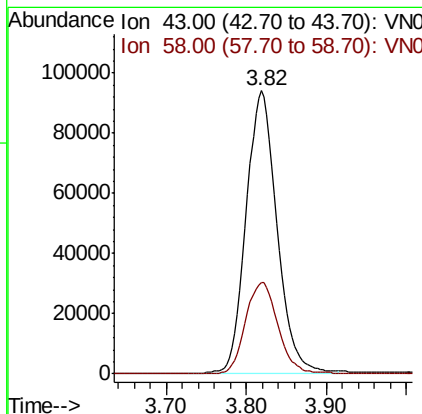
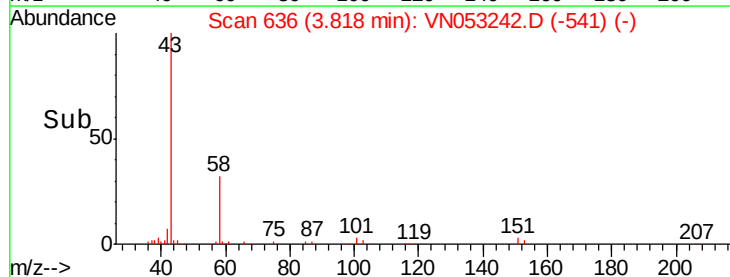
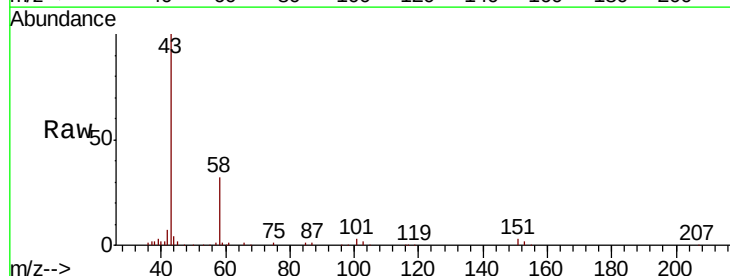
RT: 3.82 min Scan# 636

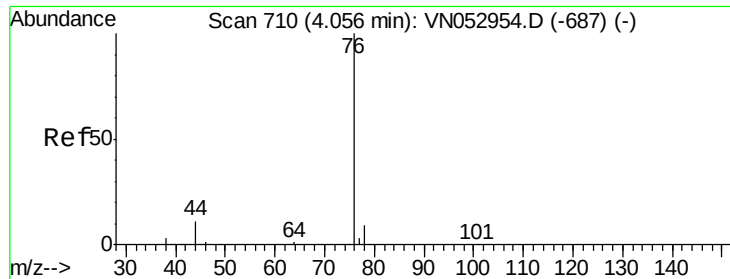
Delta R.T. 0.01 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Tgt Ion:	43	Resp:	248707
Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.4	38.0





#17

Carbon Disulfide

Concen: 16.947 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS02

Tot Ion: 76 Resp: 459668

Ion Ratio Lower Upper

76 100

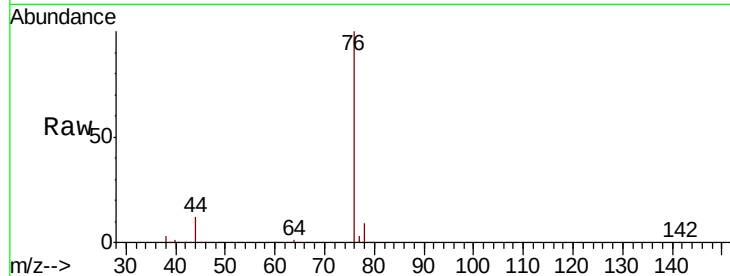
78 8.9 7.1 10.7

Manual Integrations

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1/3/2019 9:55:39 AM



Abundance Ion 75.90 (75.60 to 76.60): VN053242.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN053242.D (-617) (-)

200000

150000

100000

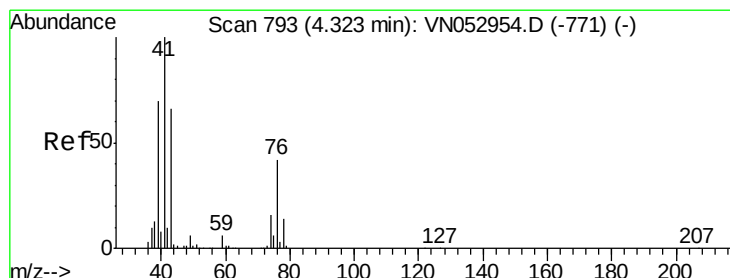
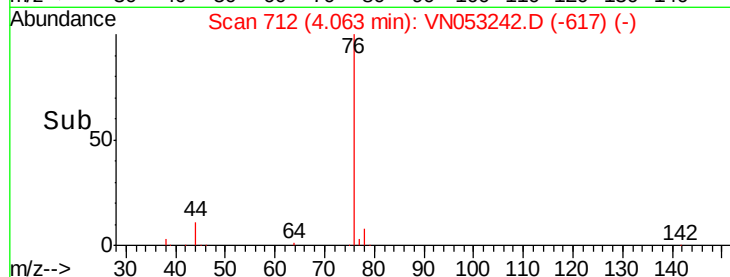
50000

0

4.06

4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 24.728 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053242.D

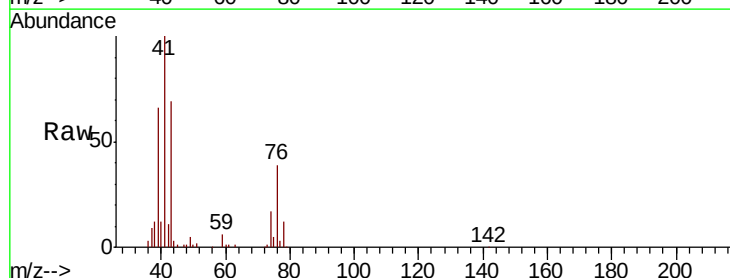
Acq: 2 Jan 2019 12:25

Tgt Ion: 43 Resp: 190831

Ion Ratio Lower Upper

43 100

74 24.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN053242.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN053242.D (-700) (-)

60000

40000

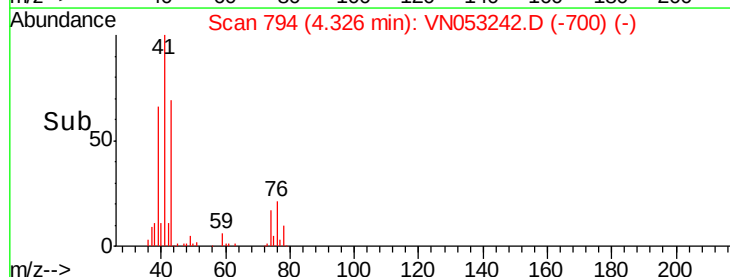
20000

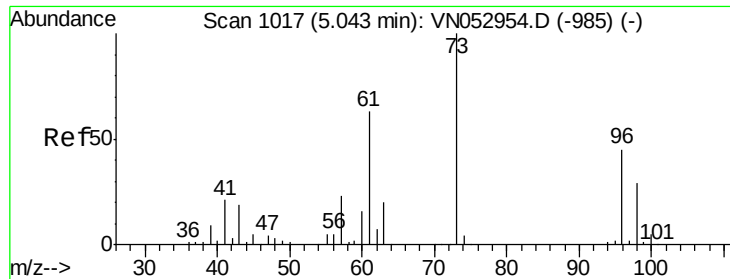
0

4.33

4.20 4.30 4.40

Time-->





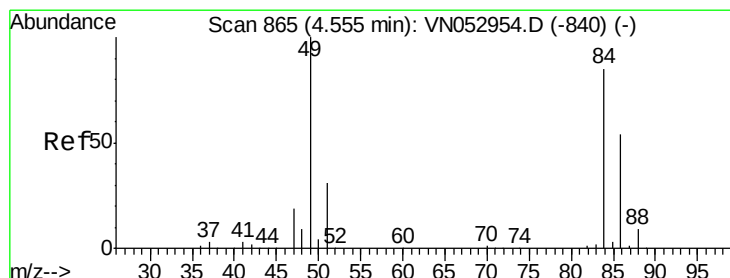
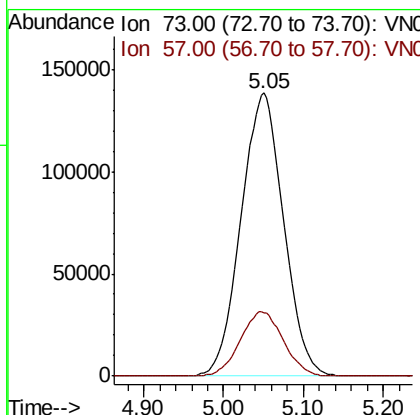
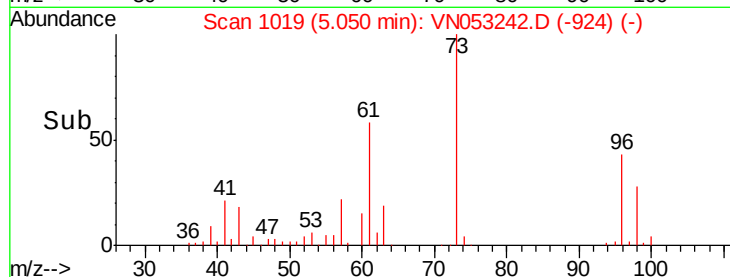
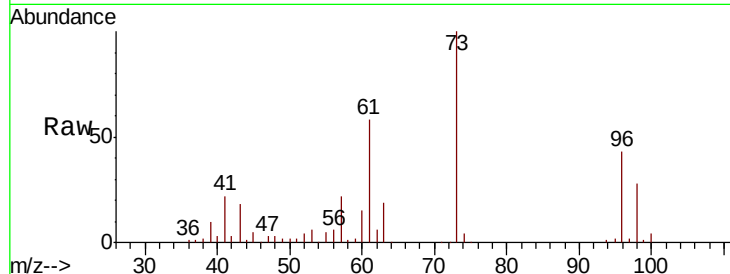
#19
Methyl tert-butyl Ether
Concen: 22.554 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS02

Tot Ion: 73 Resp: 501992
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6

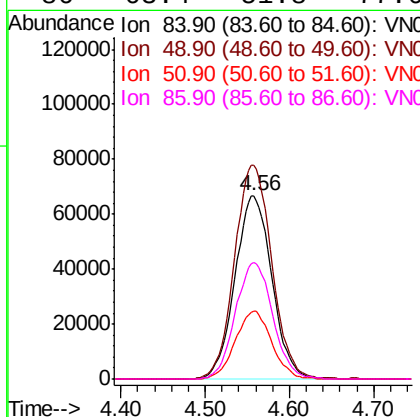
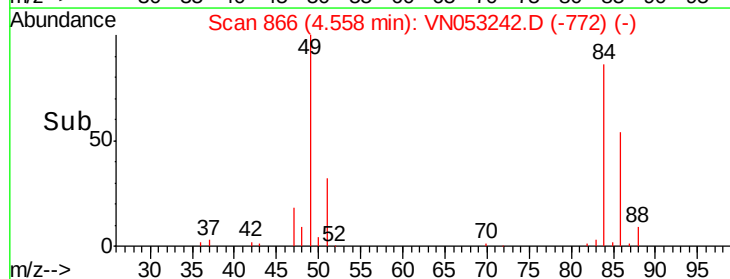
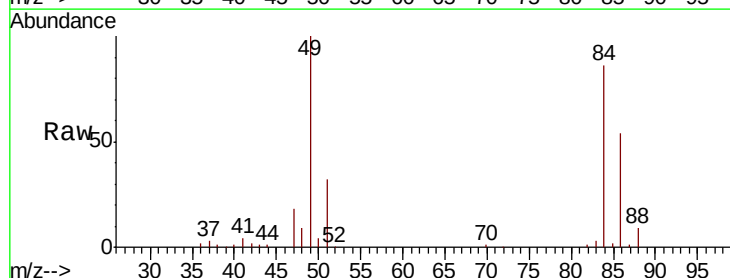
Manual Integrations
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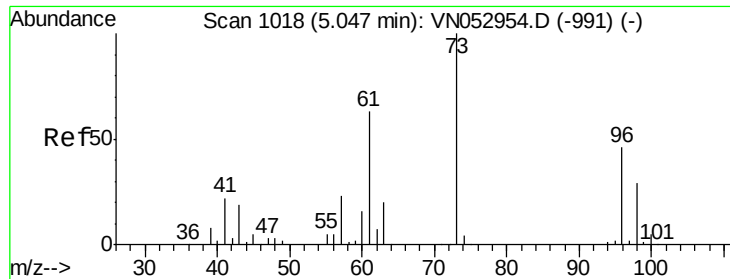
MMDadoda
1/3/2019 9:55:39 AM



#20
Methylene Chloride
Concen: 21.425 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion: 84 Resp: 202914
Ion Ratio Lower Upper
84 100
49 116.6 96.8 145.2
51 37.2 29.9 44.9
86 63.4 51.8 77.6





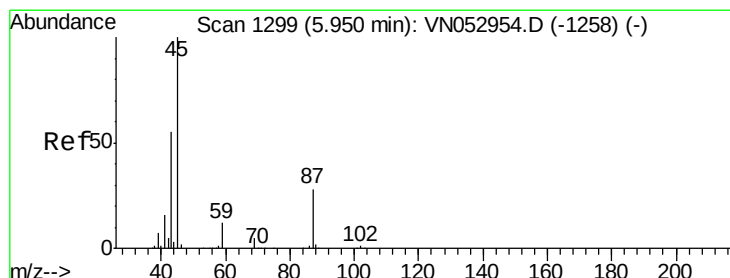
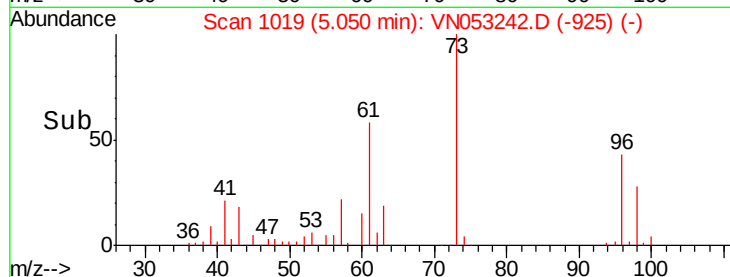
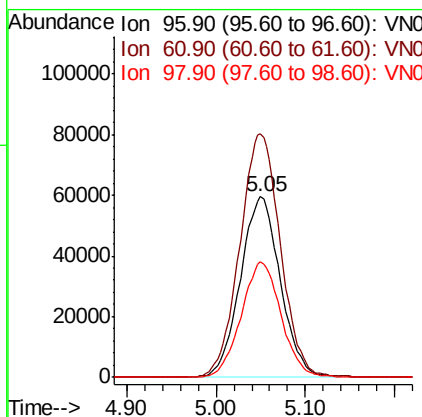
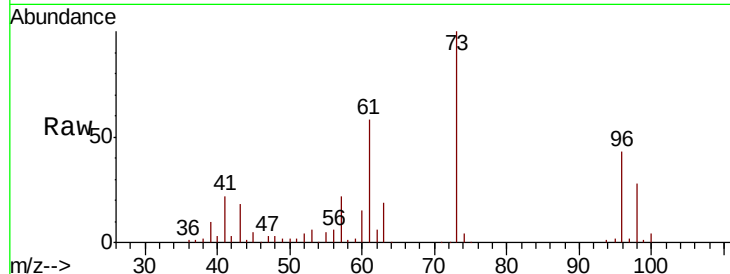
#21
trans-1,2-Dichloroethene
Concen: 20.752 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampled :
VN0102WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.7	110.8	166.2
98	63.9	51.4	77.2

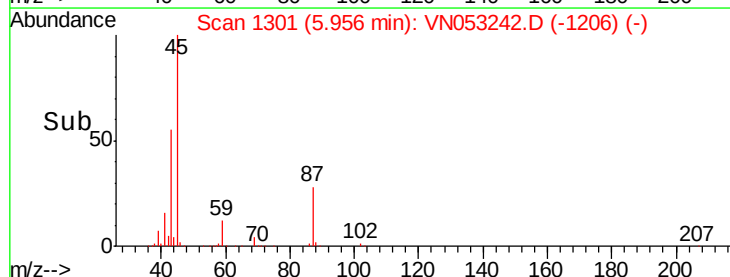
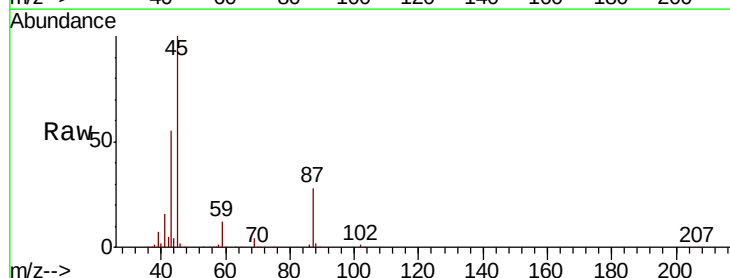
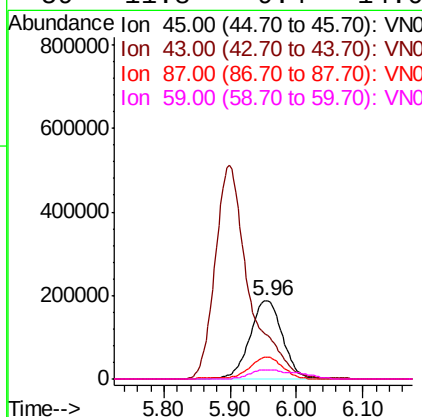
Manual Integrations
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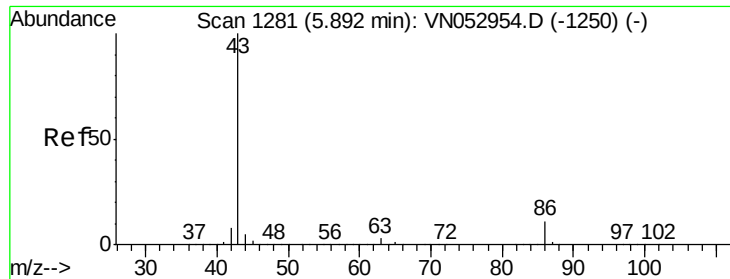
MMDadoda
1/3/2019 9:55:39 AM



#22
Diisopropyl ether
Concen: 23.416 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.7	45.5	68.3
87	27.8	22.0	33.0
59	11.8	9.4	14.0





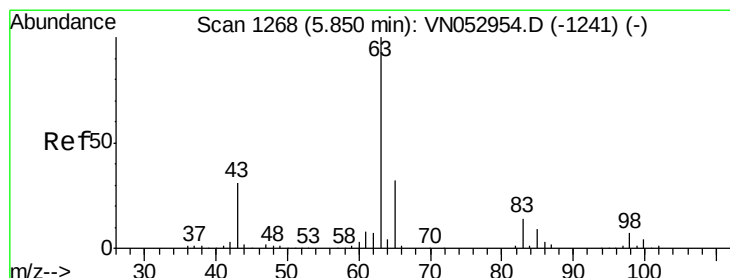
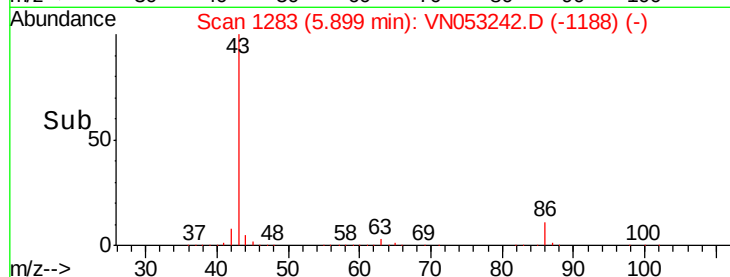
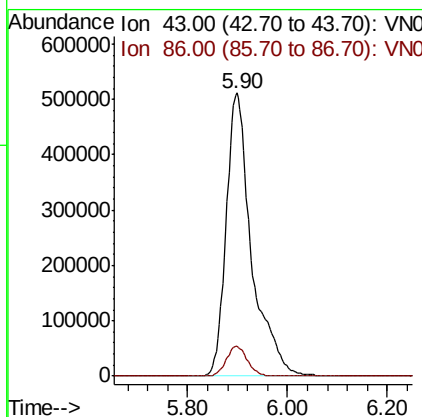
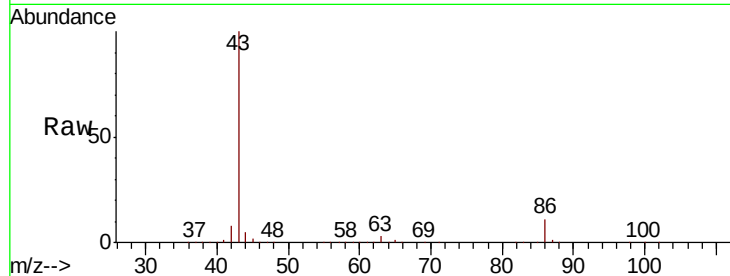
#23
 Vinyl Acetate
 Concen: 114.752 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS02

Tot Ion: 43 Resp: 1814538
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.1 12.1

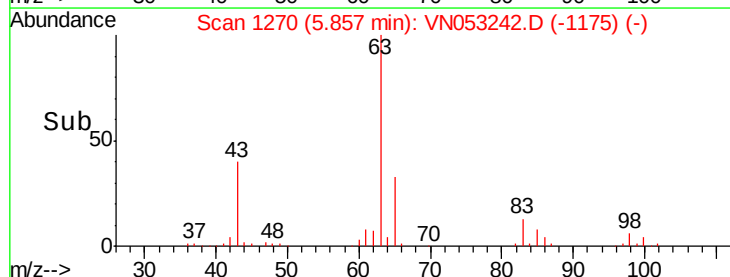
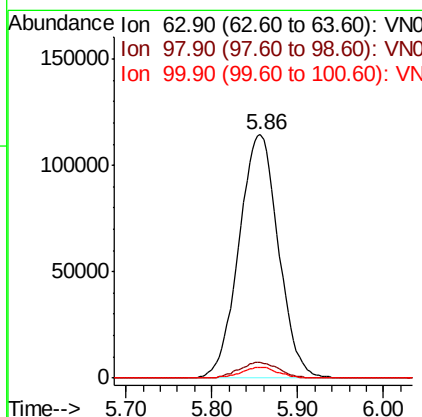
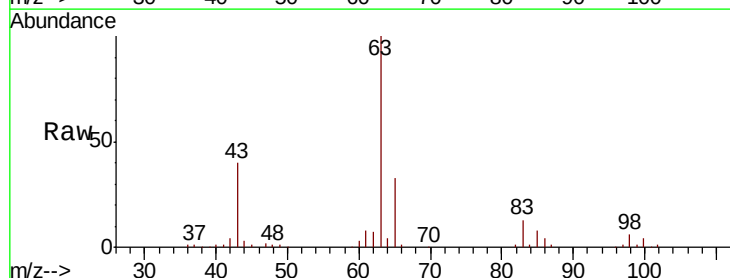
Manual Integrations
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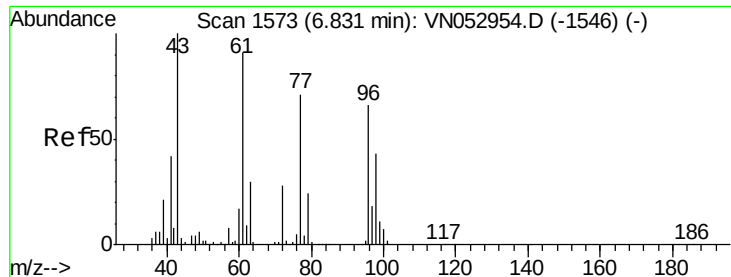
MMDadoda
 1/3/2019 9:55:39 AM



#24
 1,1-Dichloroethane
 Concen: 22.350 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Tgt Ion: 63 Resp: 365210
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.1 9.4
 100 4.5 2.0 5.8





#25

2-Butanone

Concen: 124.753 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0102WBS02

Tot Ion: 43 Resp: 363511

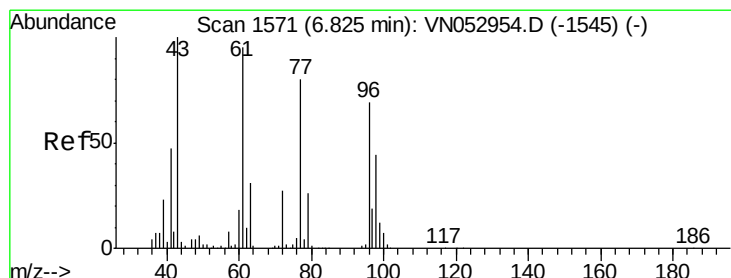
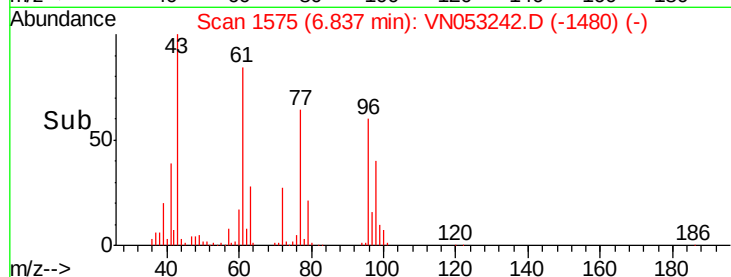
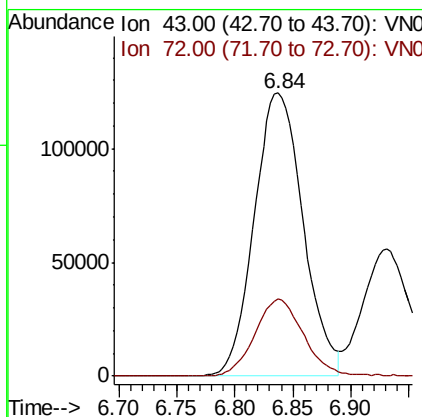
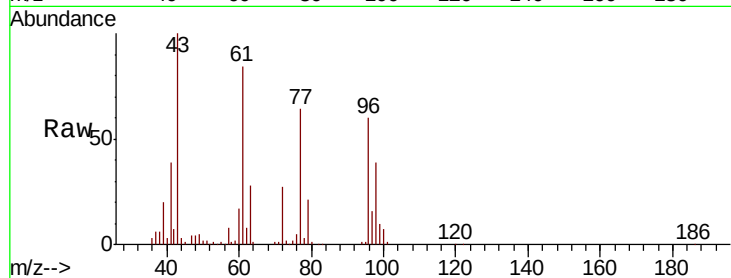
Ion Ratio Lower Upper

43 100

72 27.3 21.0 31.6

Manual Integrations
APPROVED

MMDadoda
1/3/2019 9:55:39 AM



#26

2,2-Dichloropropane

Concen: 22.297 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053242.D

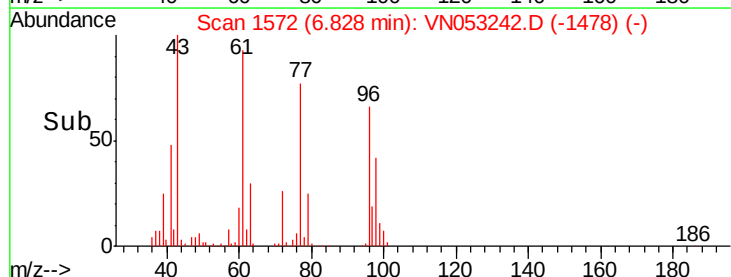
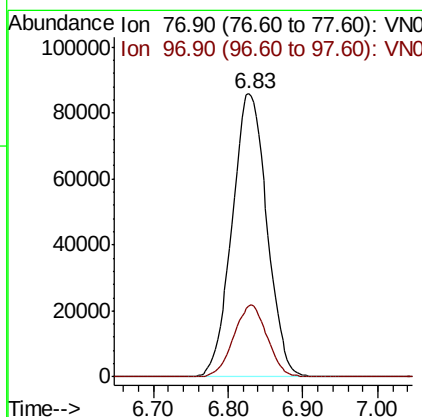
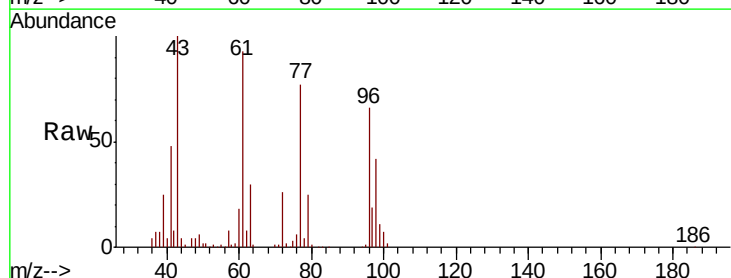
Acq: 2 Jan 2019 12:25

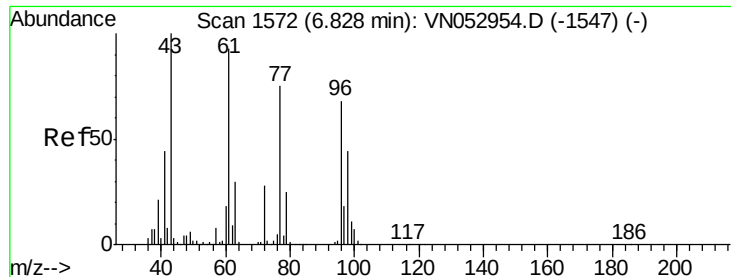
Tgt Ion: 77 Resp: 278129

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.857 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

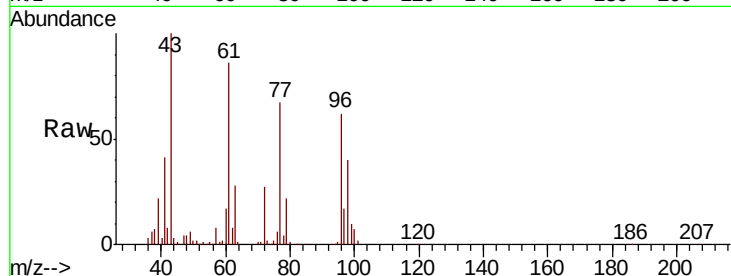
ClientSampled :

VN0102WBS02

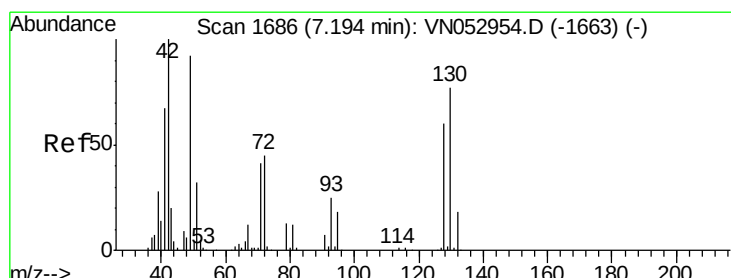
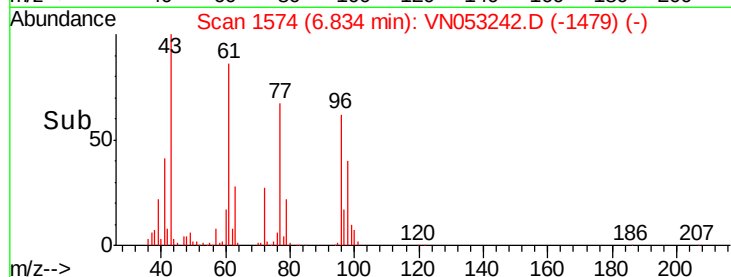
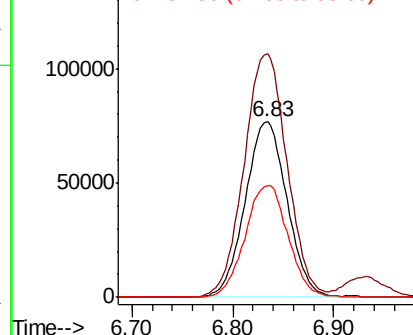
Tot Ion:	96	Resp:	221118
Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	284.2
98	65.6	0.0	129.2

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 23.636 ug/l

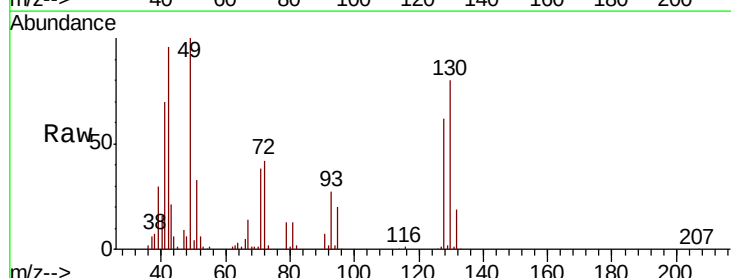
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

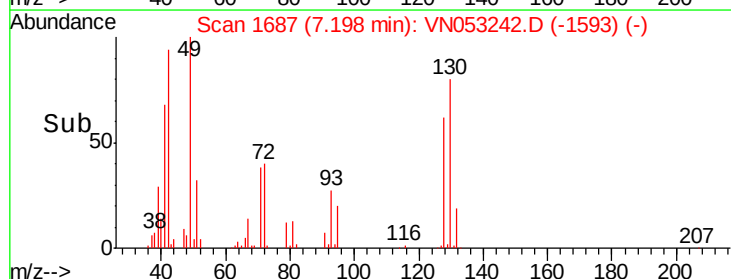
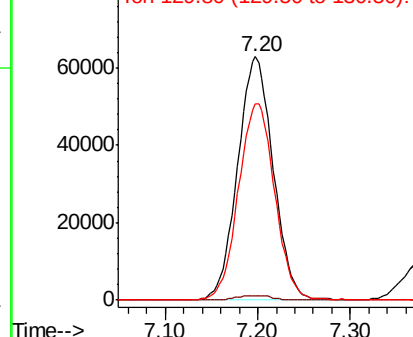
Lab File: VN053242.D

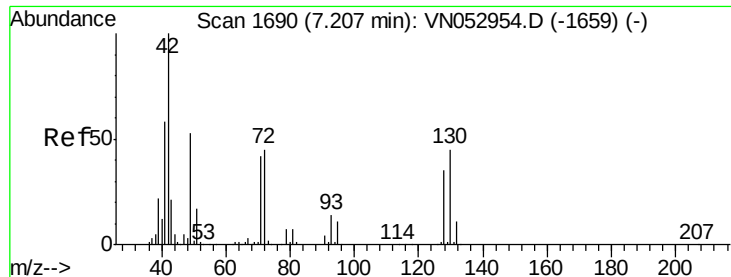
Acq: 2 Jan 2019 12:25

Tgt Ion:	49	Resp:	167360
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	82.2	63.3	94.9



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





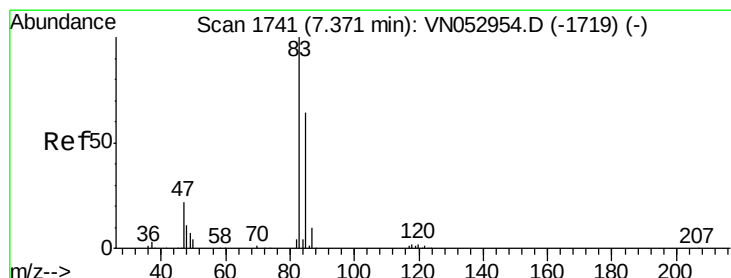
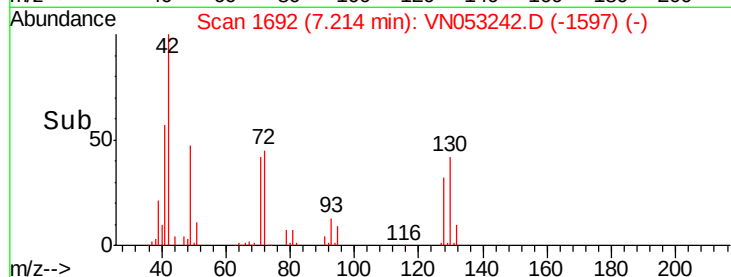
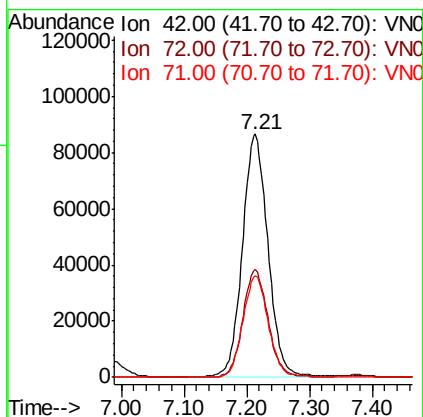
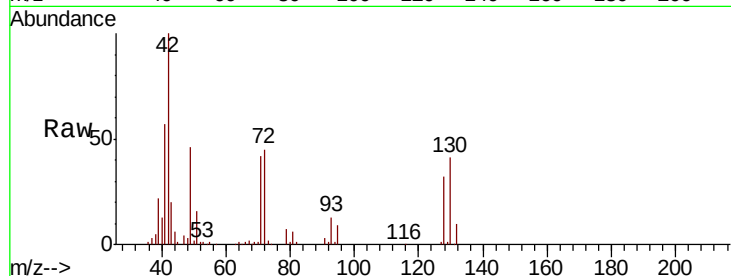
#29
Tetrahydrofuran
Concen: 113.307 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampled :
VN0102WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.7	52.1
71	41.2	32.3	48.5

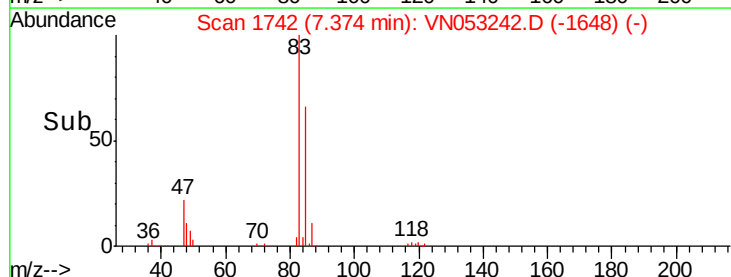
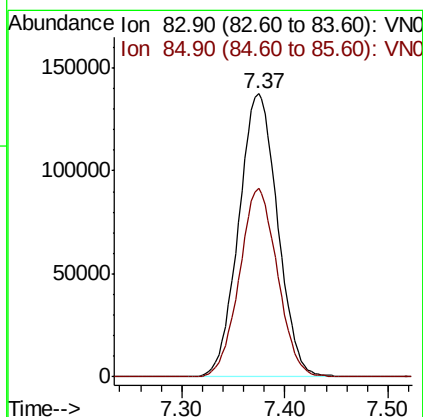
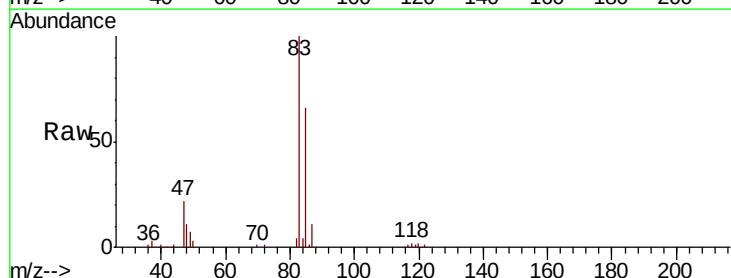
Manual Integrations
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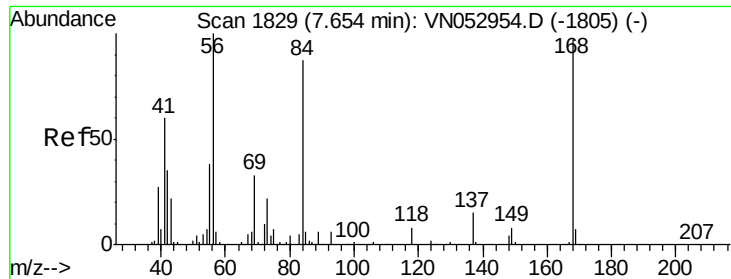
MMDadoda
1/3/2019 9:55:39 AM



#30
Chloroform
Concen: 22.400 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.1	78.1





#31

Cyclohexane

Concen: 20.650 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

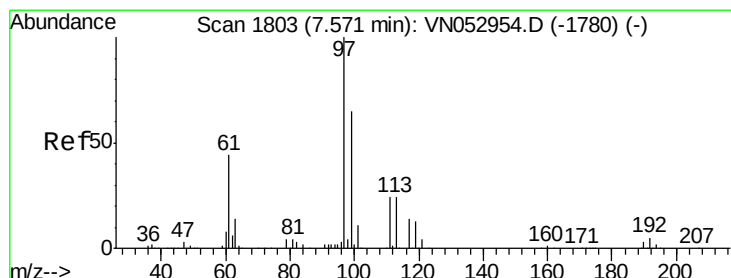
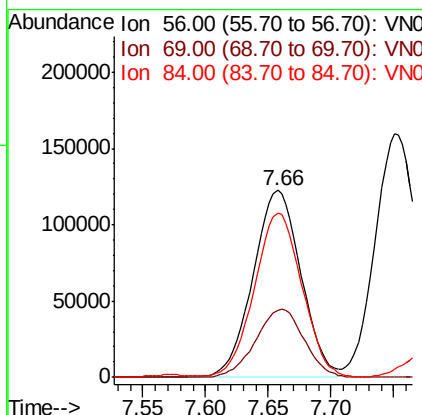
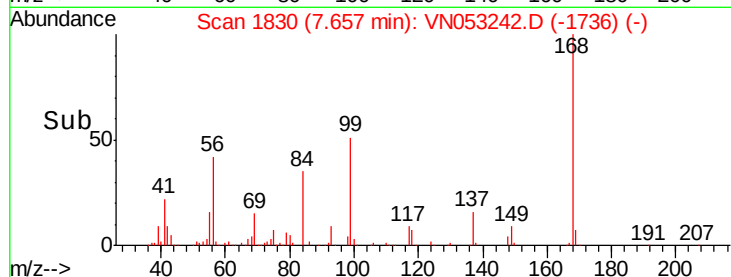
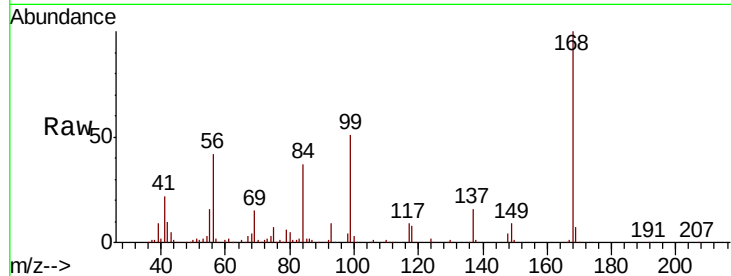
ClientSampled :

VN0102WBS02

Tot Ion:	56	Resp:	325931
Ion Ratio	Lower	Upper	
56	100		
69	36.2	26.6	39.8
84	86.7	68.4	102.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.097 ug/l

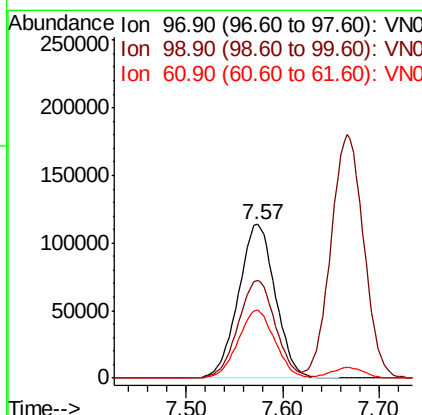
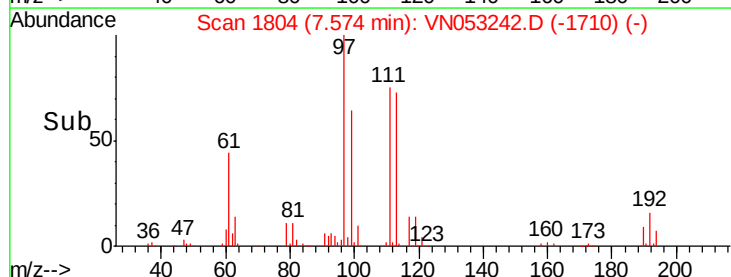
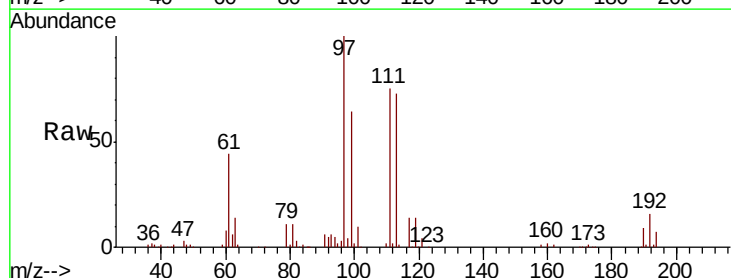
RT: 7.57 min Scan# 1804

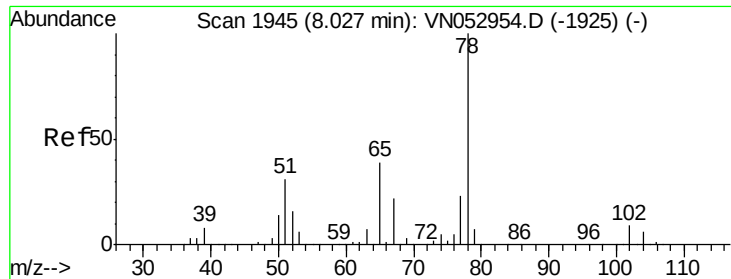
Delta R.T. 0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Tgt Ion:	97	Resp:	302160
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.1	76.7
61	43.9	35.0	52.6





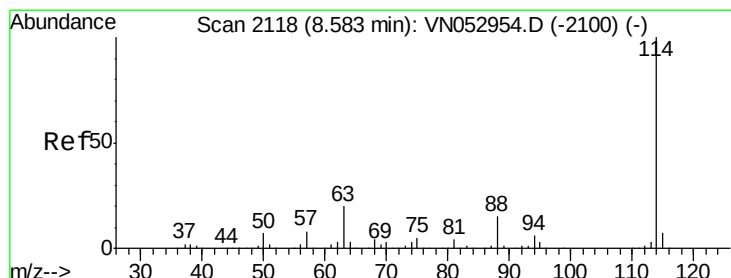
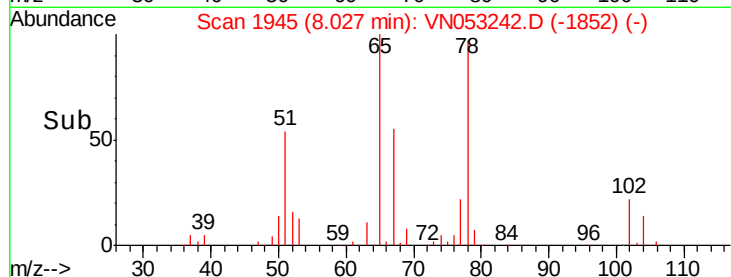
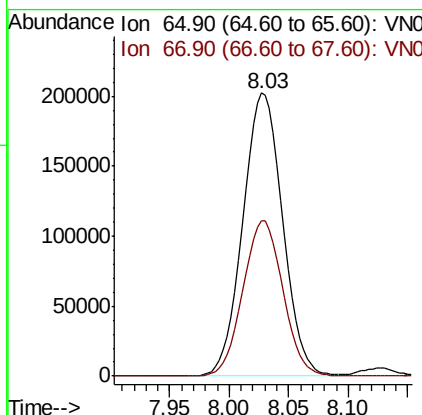
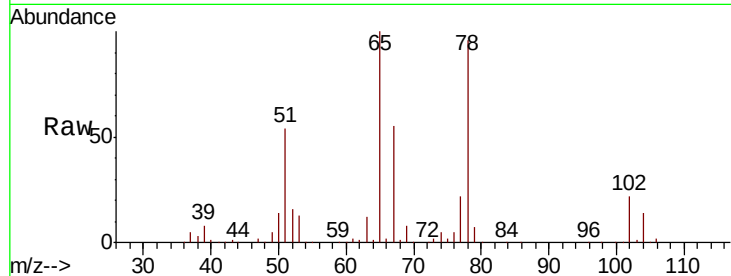
#33
 1,2-Dichloroethane-d4
 Concen: 22.097 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	469693		
67	55.1	0.0	110.4	

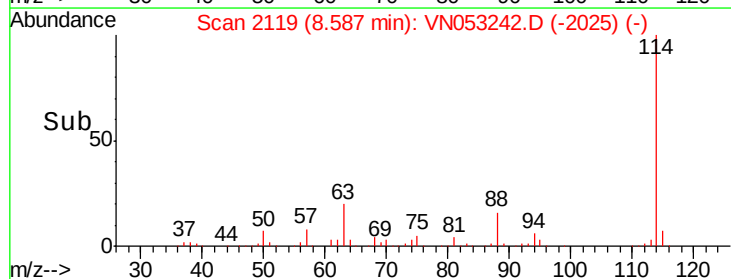
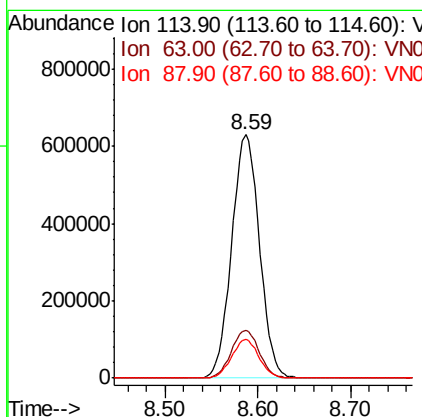
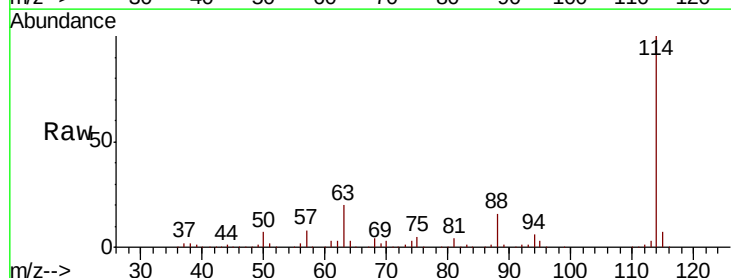
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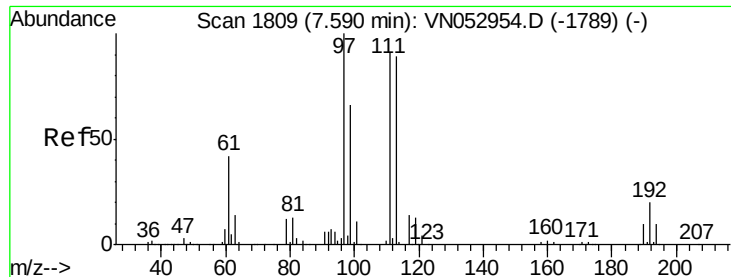
MMDadoda
 1/3/2019 9:55:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1309517		
63	19.5	0.0	39.8	
88	15.8	0.0	31.0	





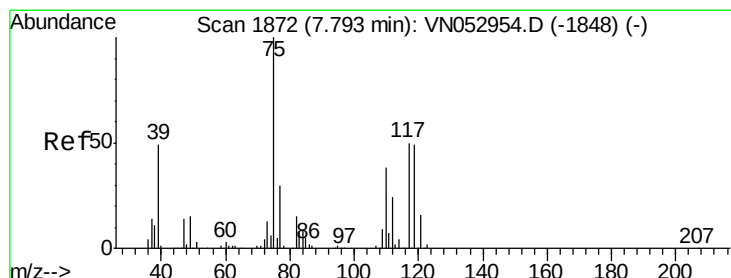
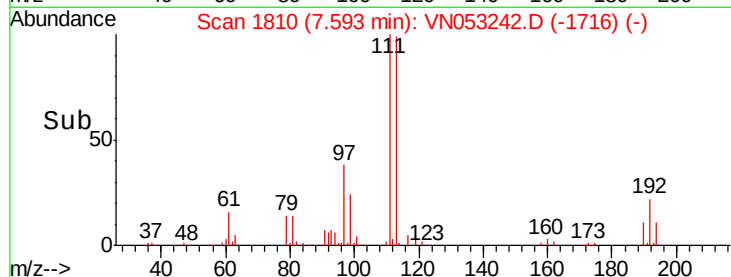
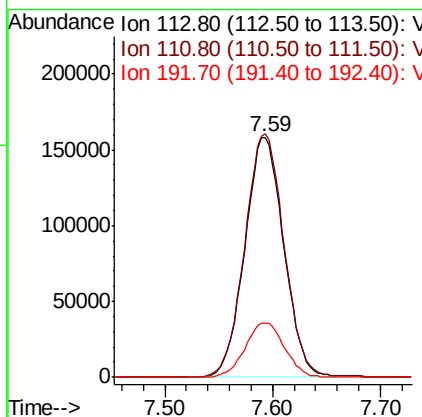
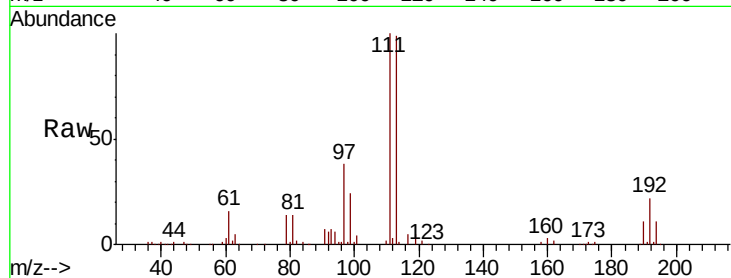
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	396498		
111	102.6	83.0	124.4	
192	23.0	17.5	26.3	

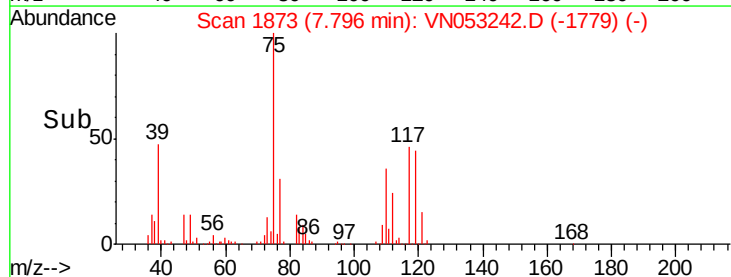
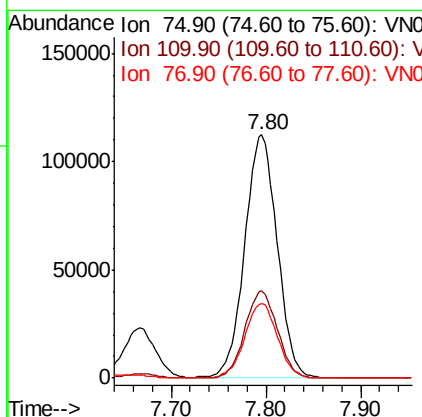
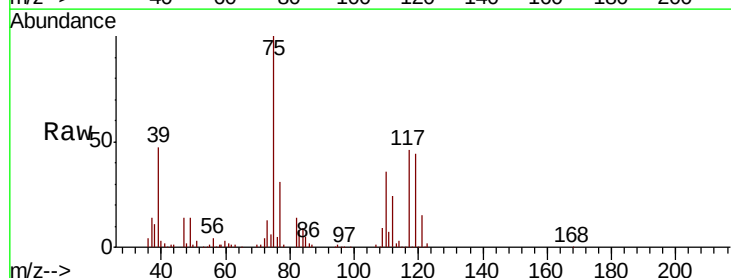
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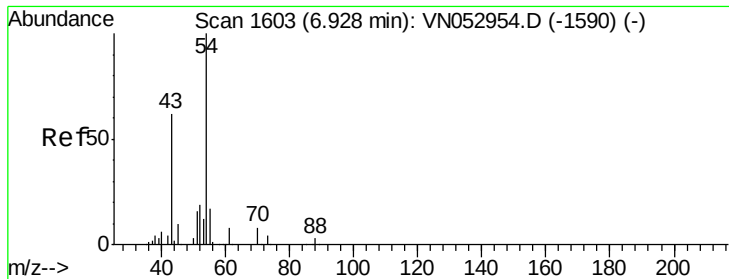
MMDadoda
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#36
1,1-Dichloropropene
Concen: 21.220 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	266715		
110	36.0	18.2	54.6	
77	31.3	24.9	37.3	





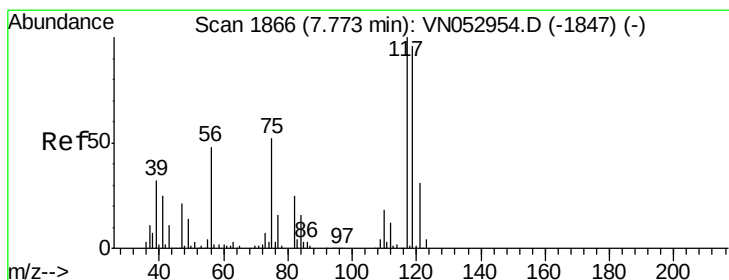
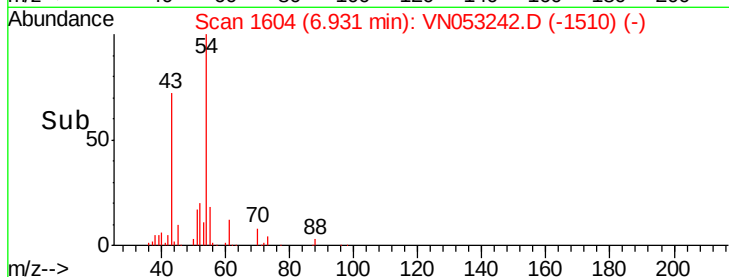
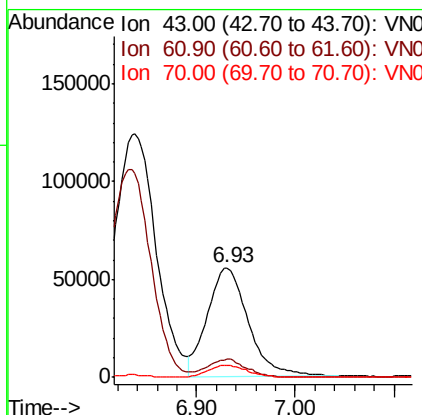
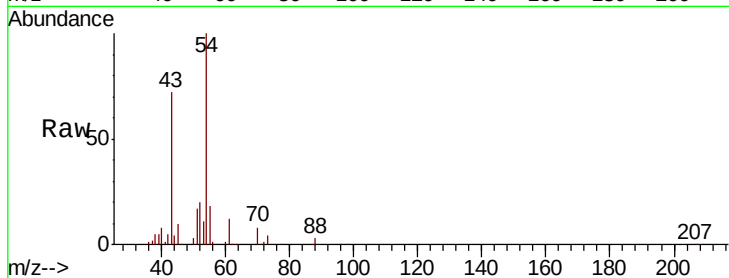
#37
Ethyl Acetate
Concen: 22.861 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.6
70	10.8	8.4	12.6

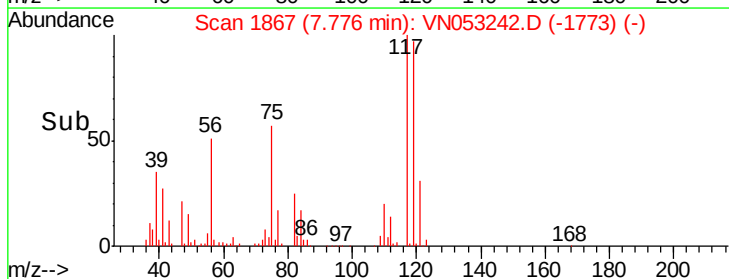
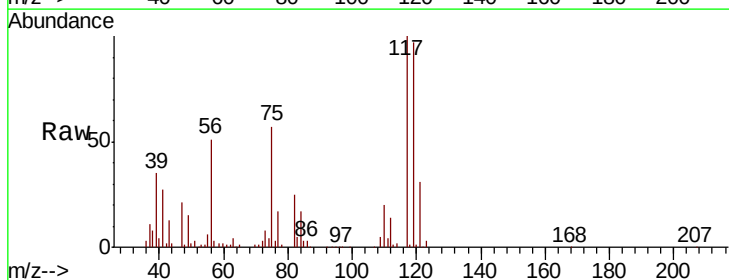
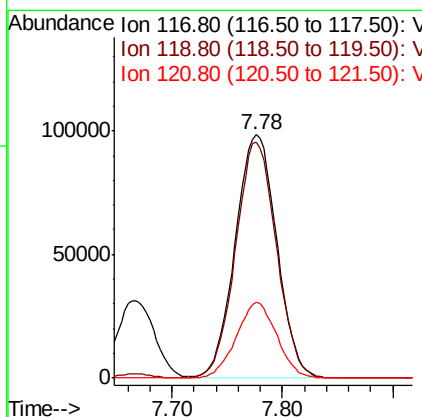
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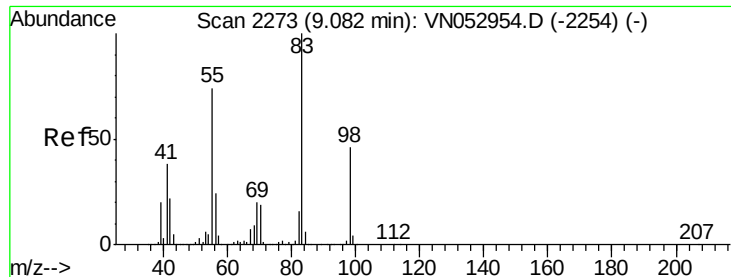
MMDadoda
1/3/2019 9:55:39 AM



#38
Carbon Tetrachloride
Concen: 22.290 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.1	115.7
121	31.0	24.9	37.3





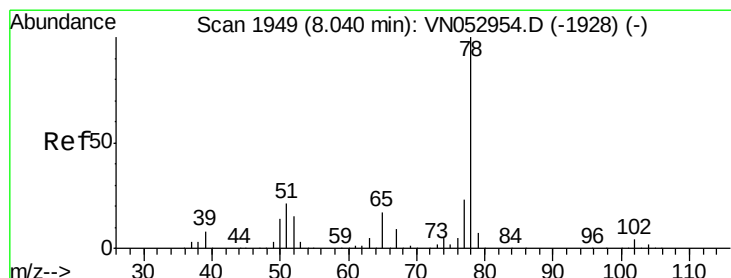
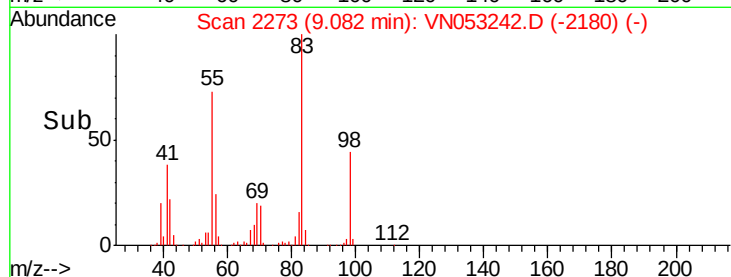
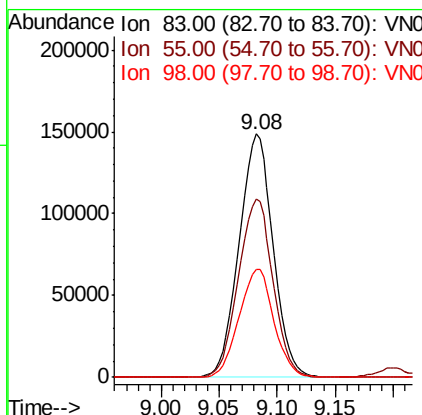
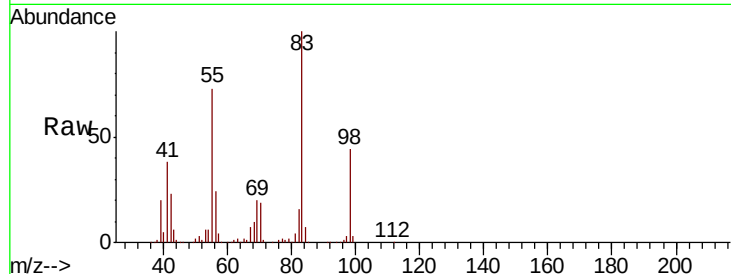
#39
Methylvlcyclohexane
Concen: 19.906 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	61.3	91.9
98	44.3	37.0	55.4

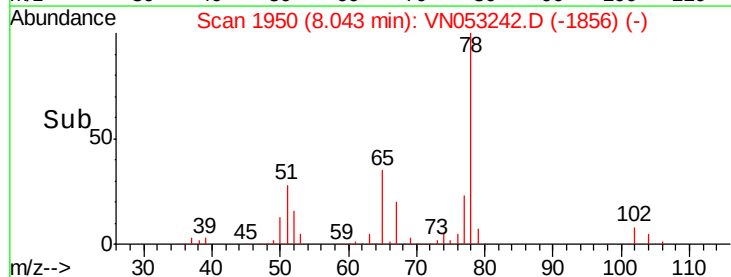
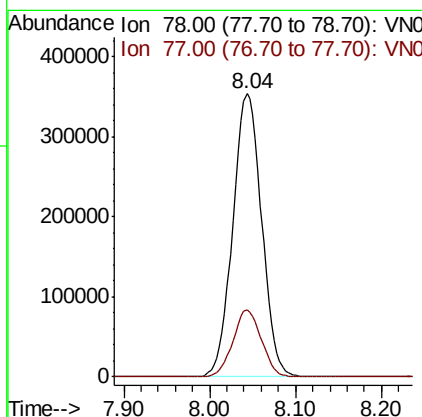
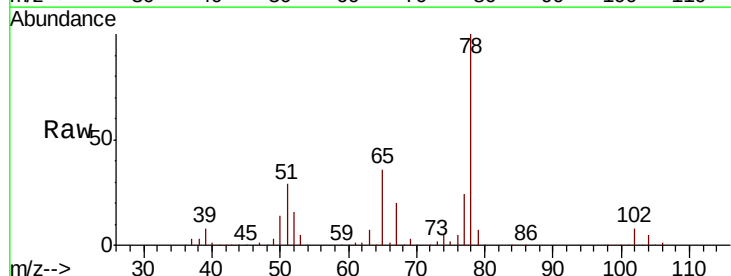
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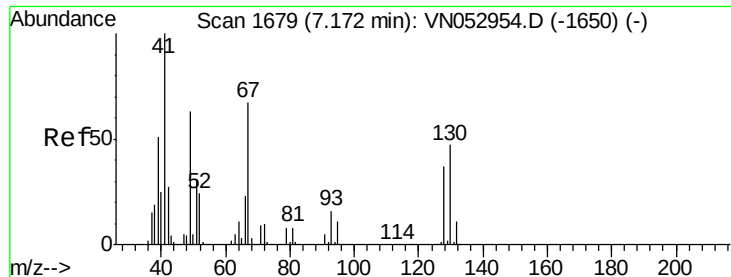
MMDadoda
1/3/2019 9:55:39 AM



#40
Benzene
Concen: 22.039 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.5	27.7





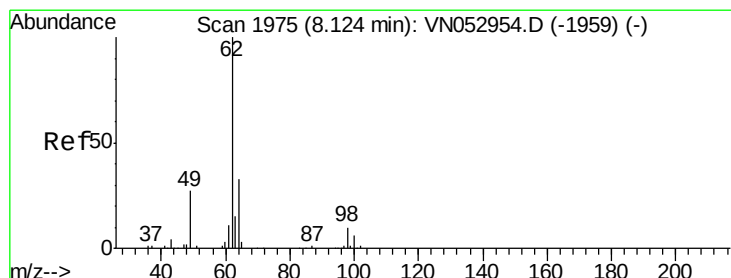
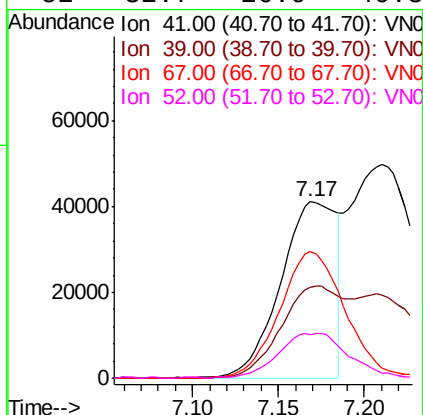
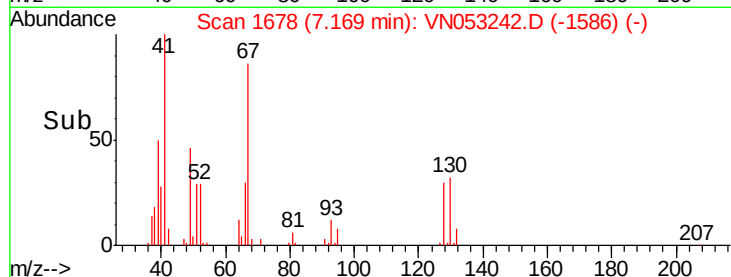
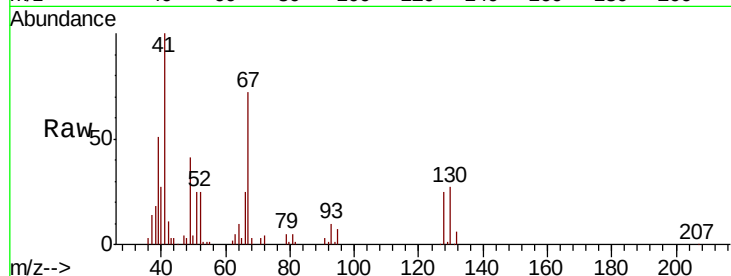
#41
Methacrylonitrile
Concen: 22.822 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS02

Tot Ion	41	Resp	92526
Ion	Ratio	Lower	Upper
41	100		
39	59.5	48.0	72.0
67	85.3	70.3	105.5
52	32.7	26.9	40.3

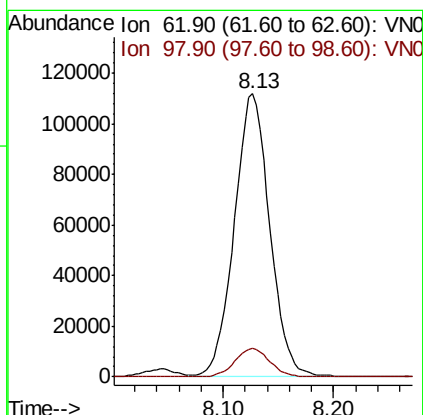
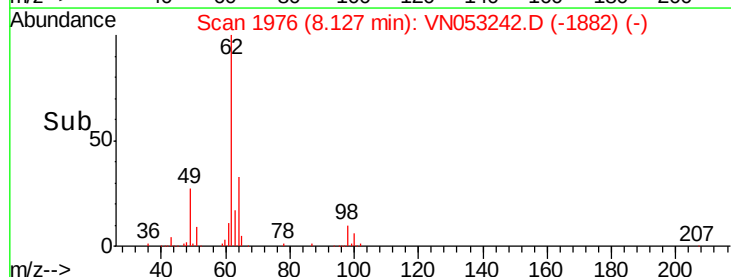
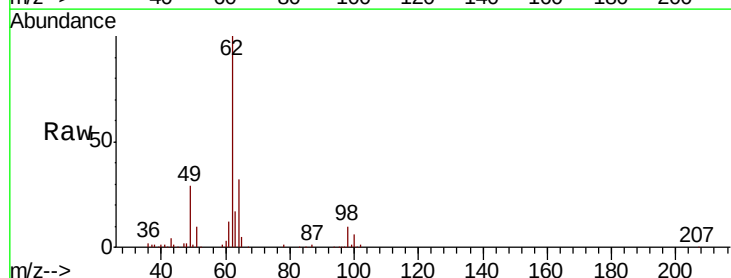
Manual Integrations
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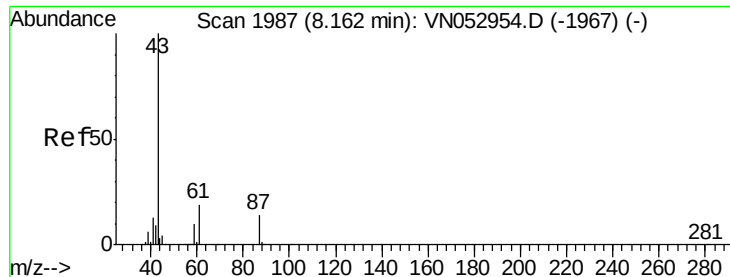
MMDadoda
1/3/2019 9:55:39 AM



#42
1,2-Dichloroethane
Concen: 22.417 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	62	Resp	247591
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 21.887 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

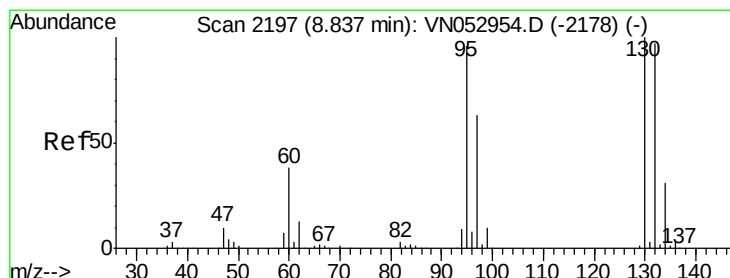
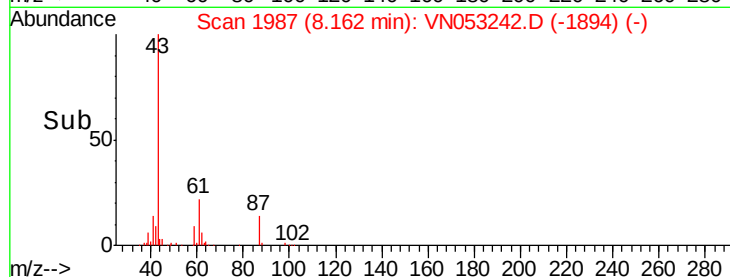
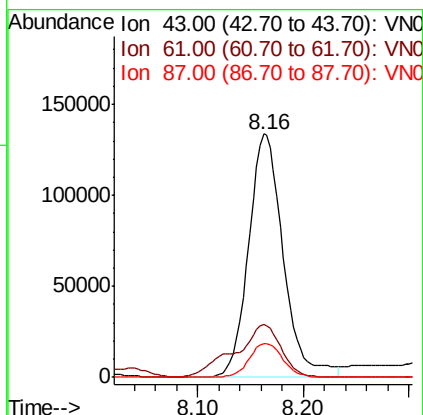
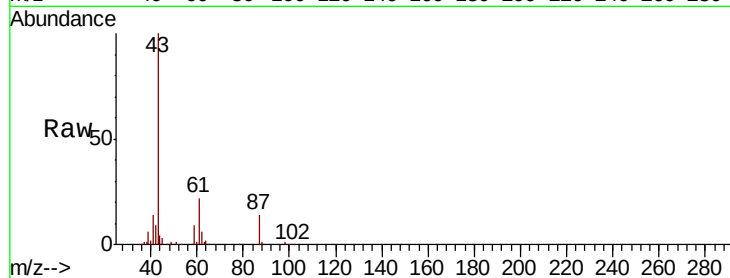
ClientSampleId :

VN0102WBS02

Tot Ion:	43	Resp:	305168
Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.9	34.3
87	13.6	10.6	15.8

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#44

Trichloroethene

Concen: 20.868 ug/l

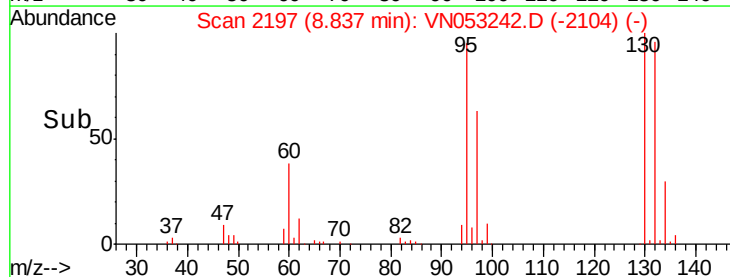
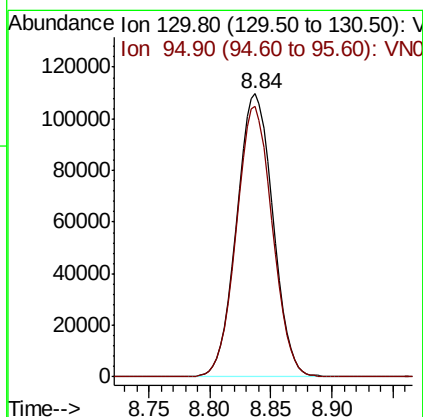
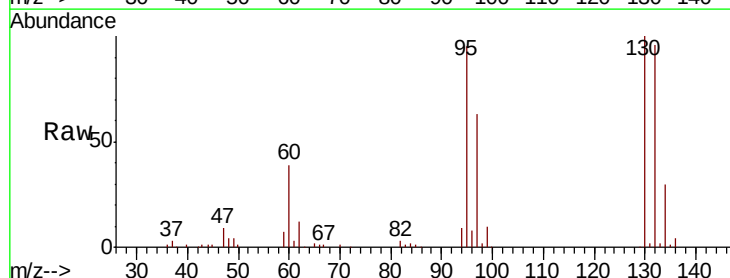
RT: 8.84 min Scan# 2197

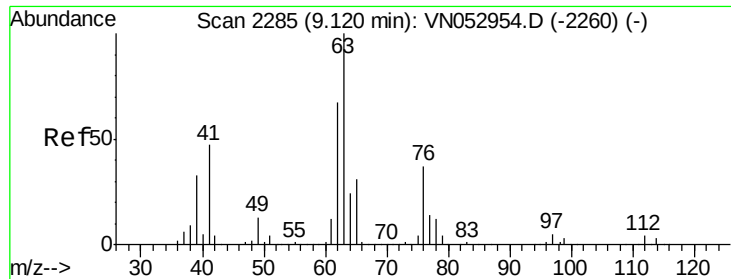
Delta R.T. -0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Tgt Ion:	130	Resp:	225659
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	197.8





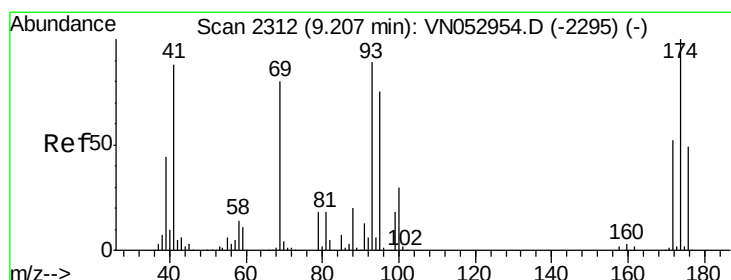
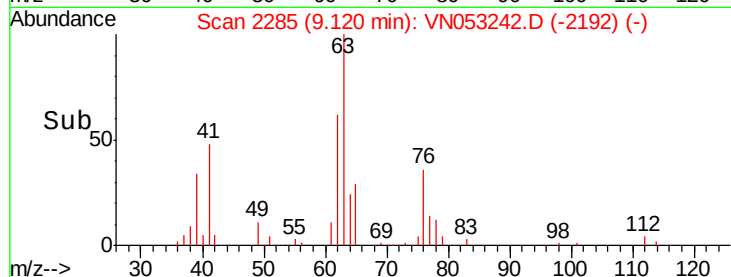
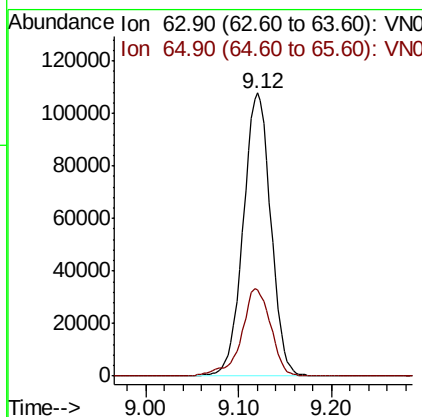
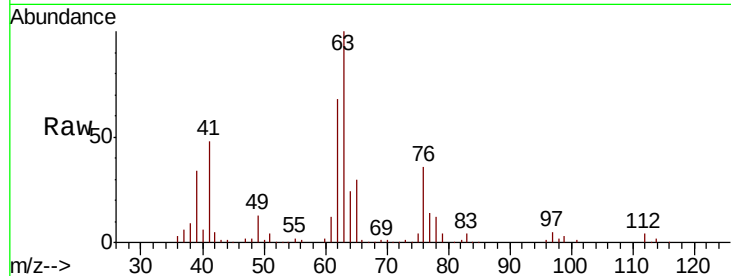
#45
 1,2-Dichloropropane
 Concen: 22.834 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS02

Tot Ion: 63 Resp: 222362
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 37.0

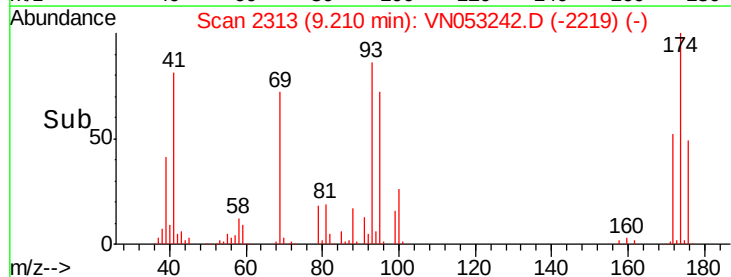
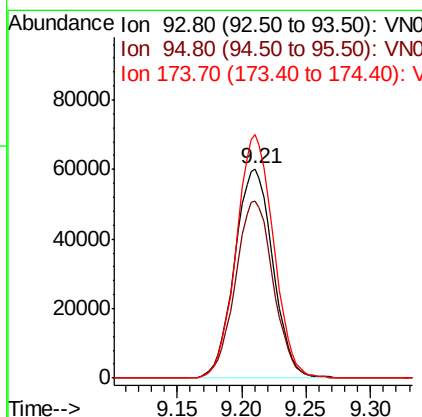
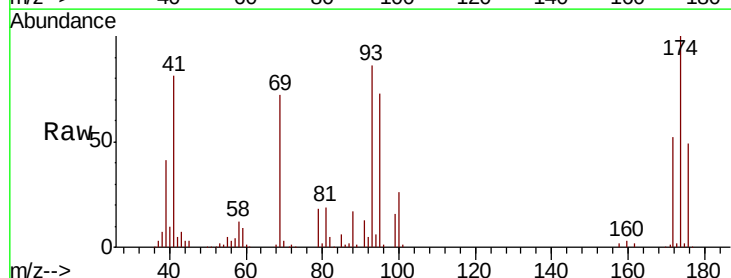
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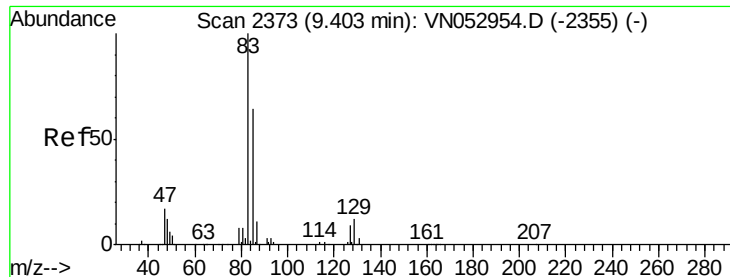
MMDadoda
 1/3/2019 9:55:39 AM



#46
 Dibromomethane
 Concen: 21.920 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Tgt Ion: 93 Resp: 124347
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.8 101.6
 174 113.3 89.0 133.4





#47

Bromodichloromethane

Concen: 22.374 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

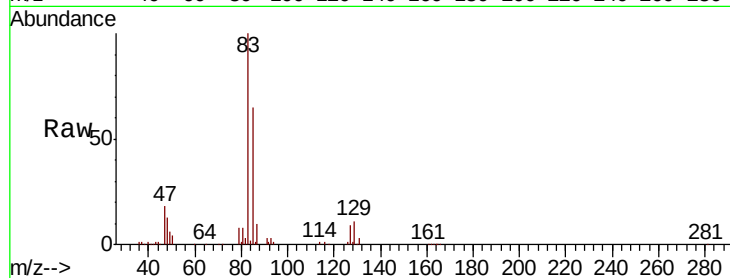
ClientSampleId :

VN0102WBS02

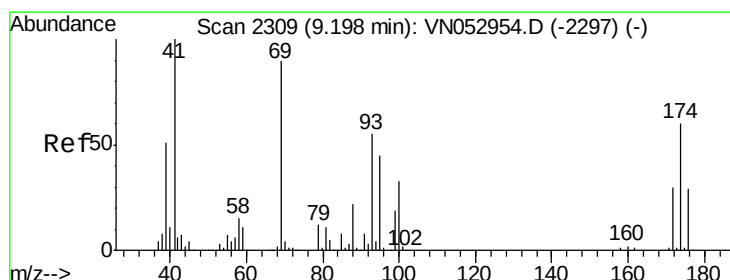
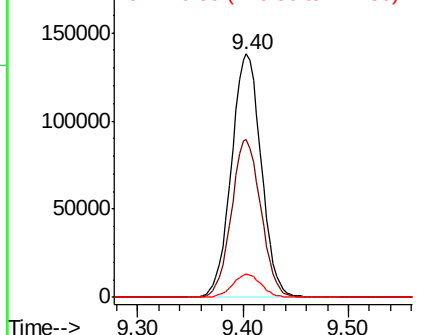
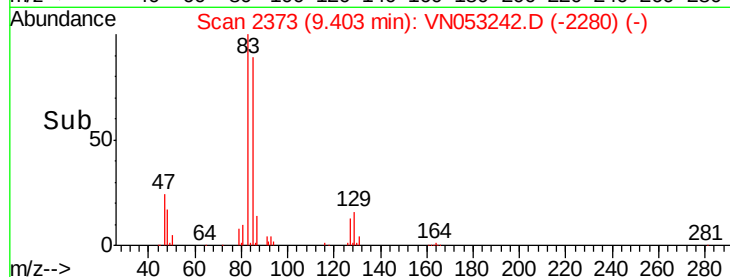
Tot Ion:	83	Resp:	269795
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.6	77.4
127	9.4	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VN053242.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.351 ug/l

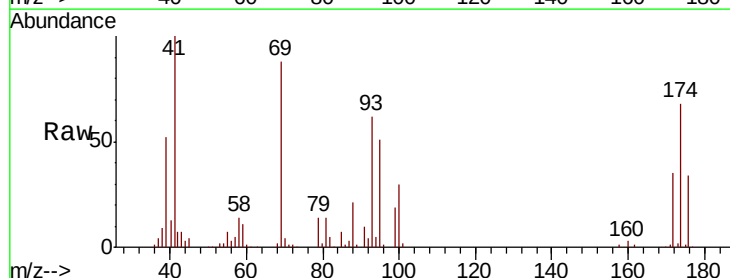
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

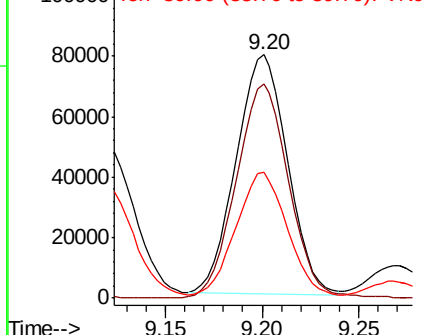
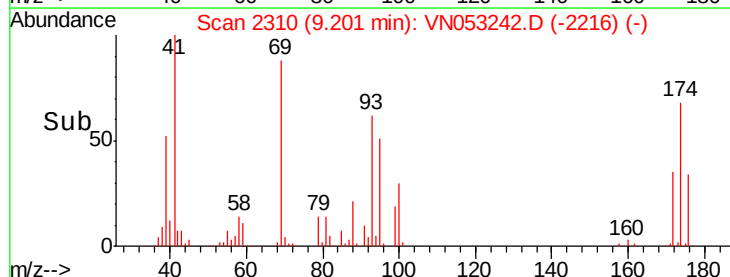
Lab File: VN053242.D

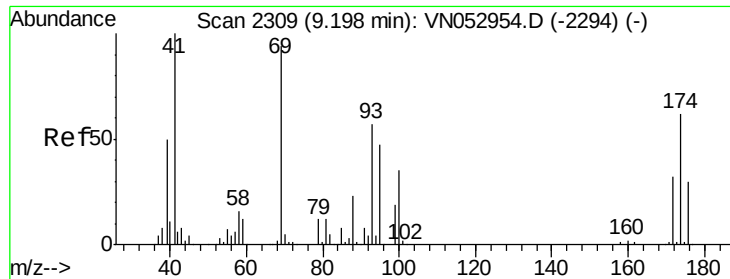
Acq: 2 Jan 2019 12:25

Tgt Ion:	41	Resp:	145376
Ion Ratio	Lower	Upper	
41	100		
69	92.3	72.2	108.2
39	53.6	41.9	62.9



Abundance Ion 41.00 (40.70 to 41.70): VN053242.D (-2216) (-)





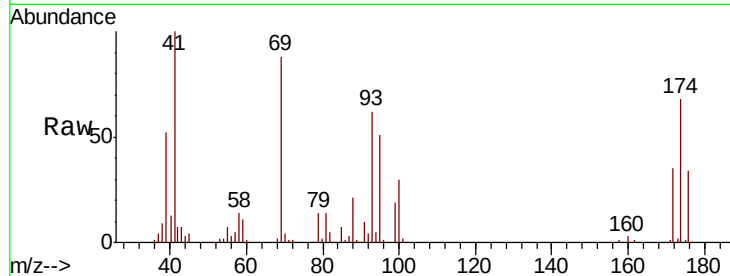
#49
 1,4-Dioxane
 Concen: 396.583 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS02

Tot Ion	88	Resp	34157
Ion	Ratio	Lower	Upper
88	100		
43	31.3	26.6	40.0
58	71.6	58.4	87.6

Manual Integrations
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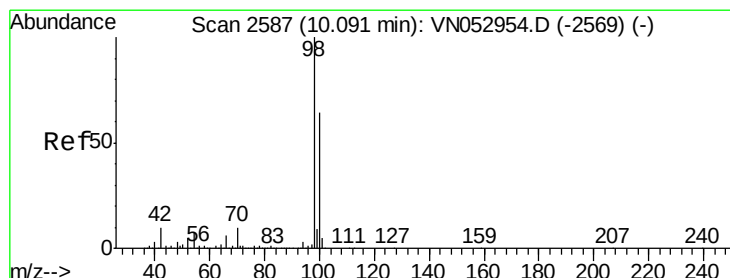
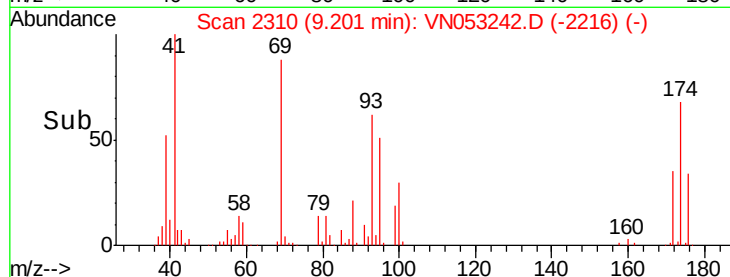
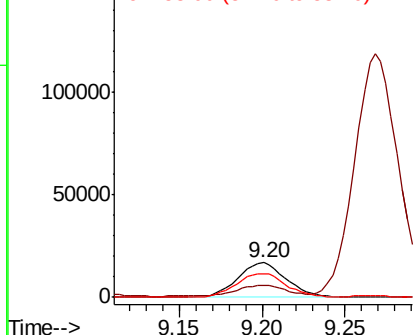


Abundance

Ion 88.00 (87.70 to 88.70): VN0

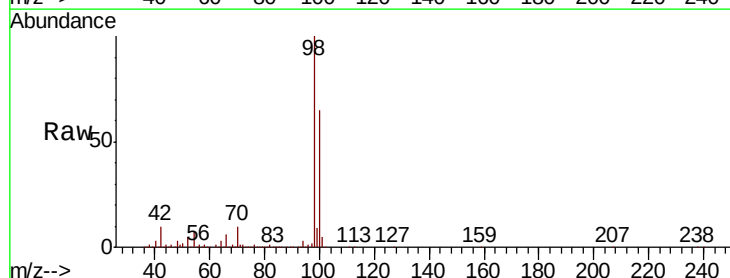
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
 Toluene-d8
 Concen: 396.583 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

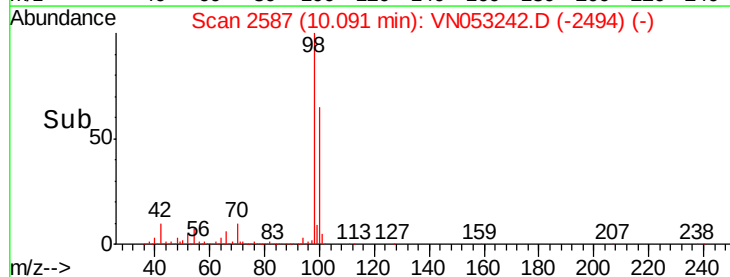
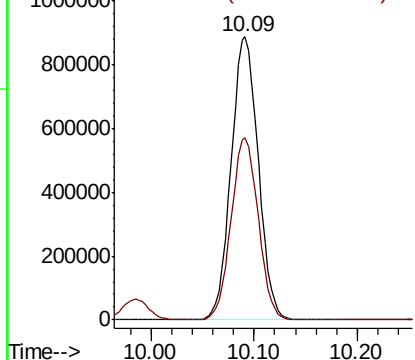
Tgt Ion	98	Resp	1630228
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

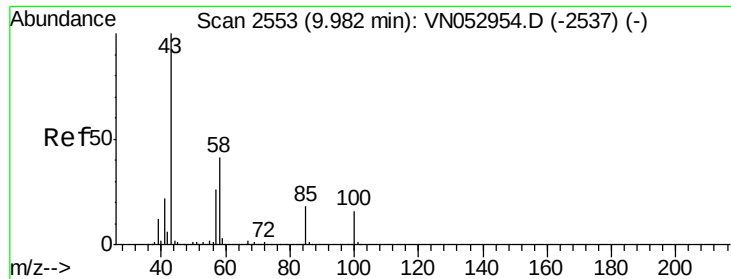


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 114.835 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS02

Tot Ion: 43 Resp: 780319

Ion Ratio Lower Upper

43 100

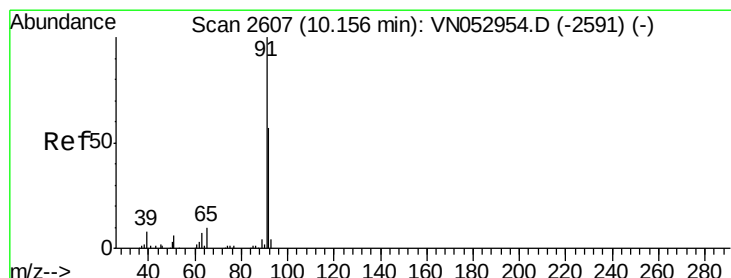
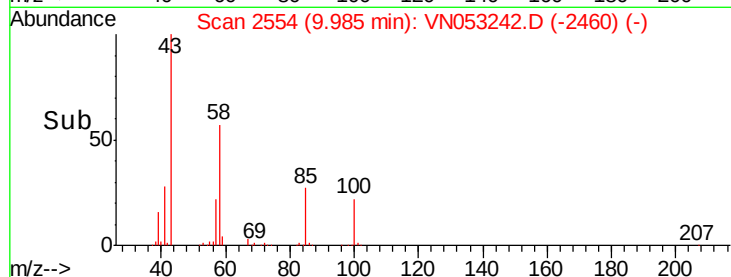
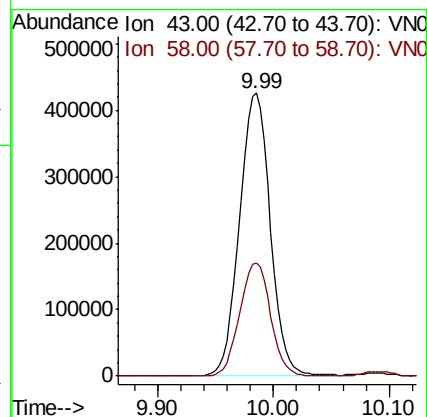
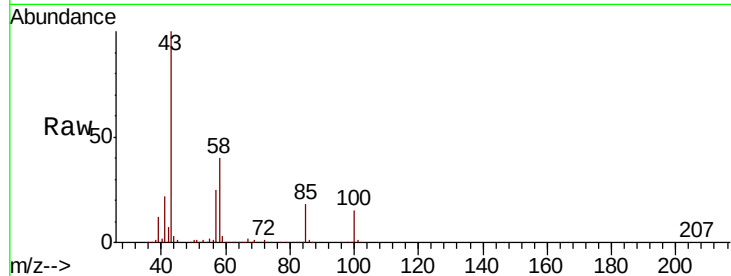
58 40.4 32.2 48.4

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#52

Toluene

Concen: 21.162 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053242.D

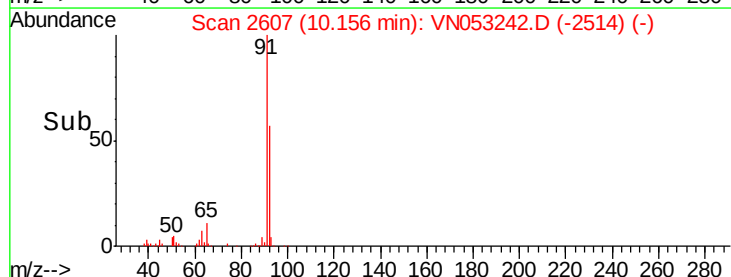
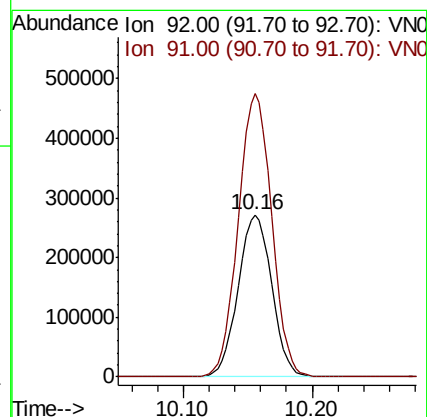
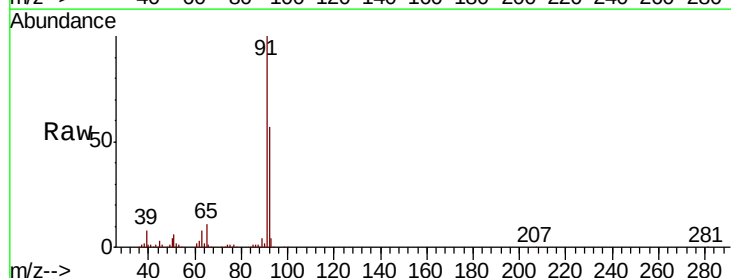
Acq: 2 Jan 2019 12:25

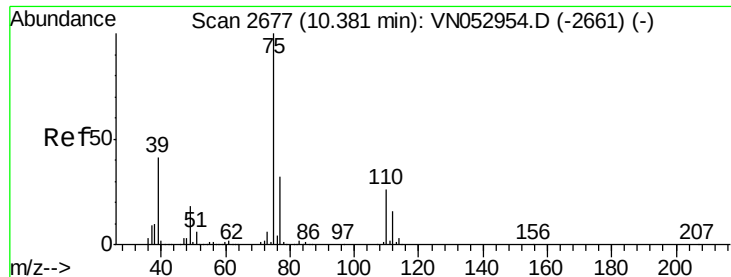
Tgt Ion: 92 Resp: 490398

Ion Ratio Lower Upper

92 100

91 175.0 139.8 209.6





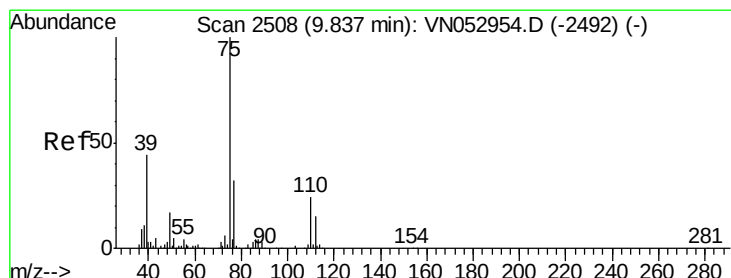
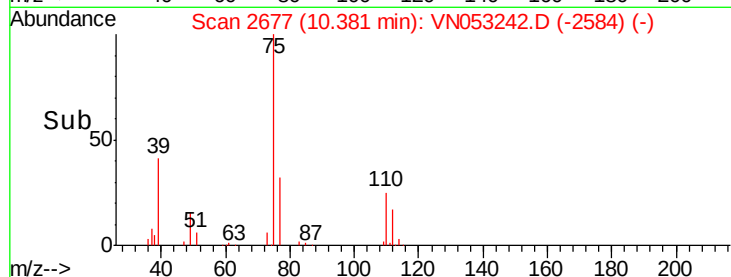
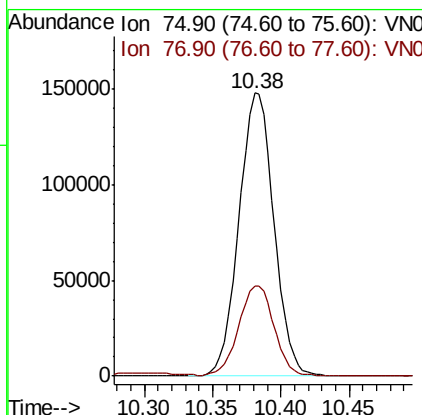
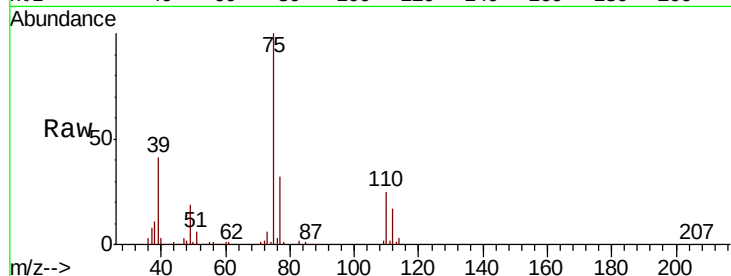
#53
t-1,3-Dichloropropene
Concen: 20.724 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4

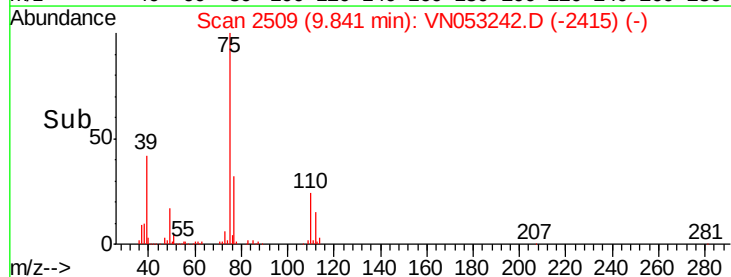
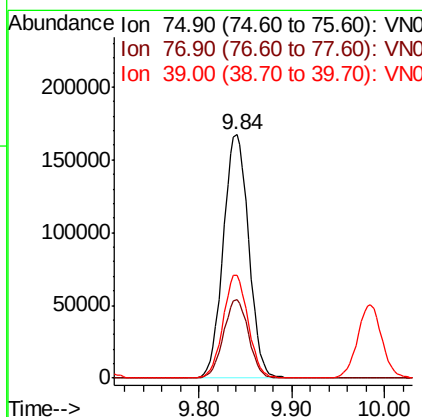
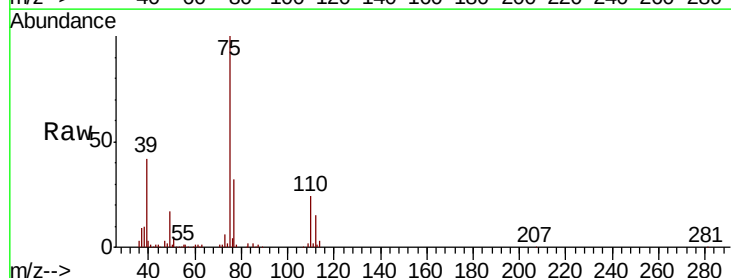
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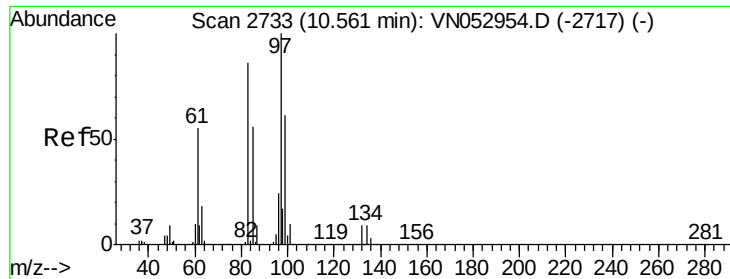
MMDadoda
1/3/2019 9:55:39 AM



#54
cis-1,3-Dichloropropene
Concen: 21.894 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.8
39	42.5	34.8	52.2





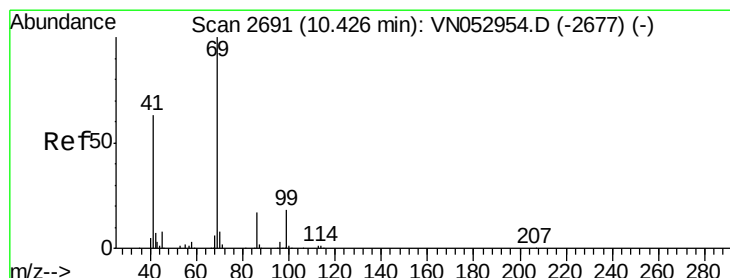
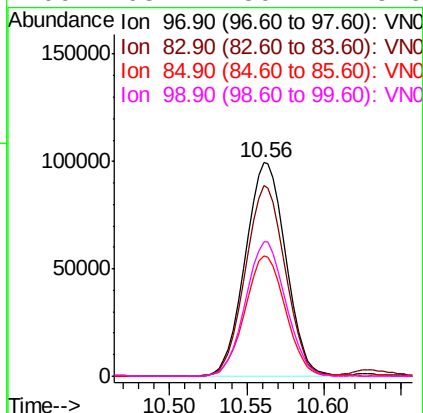
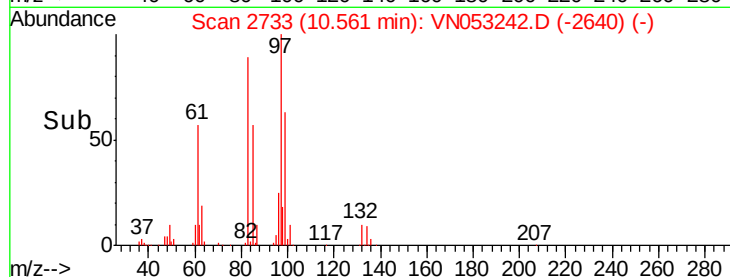
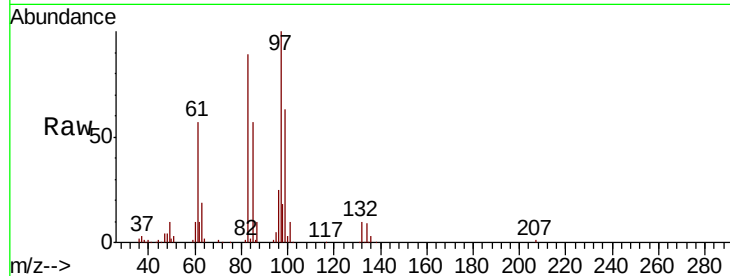
#55
 1,1,2-Trichloroethane
 Concen: 22.521 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS02

Tot Ion:	97	Resp:	182069
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.9	106.3
85	56.6	45.4	68.2
99	63.1	50.4	75.6

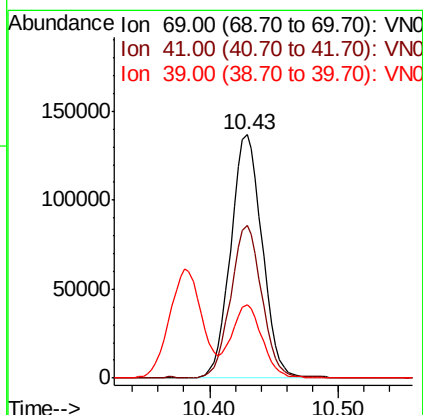
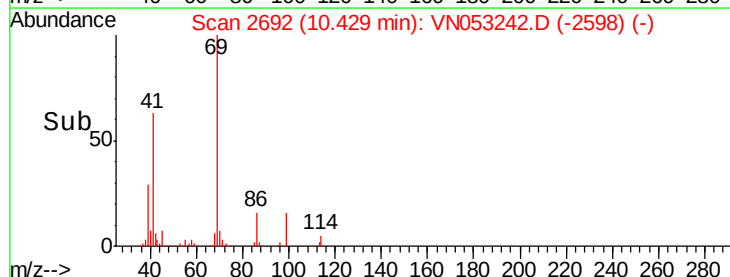
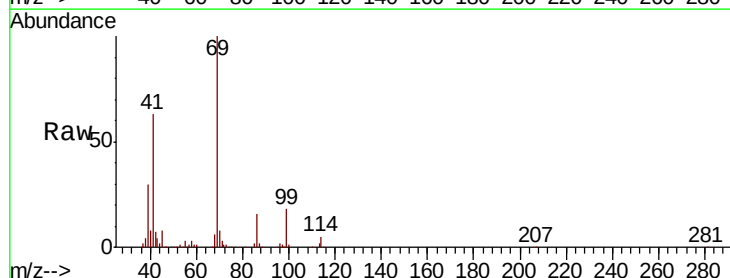
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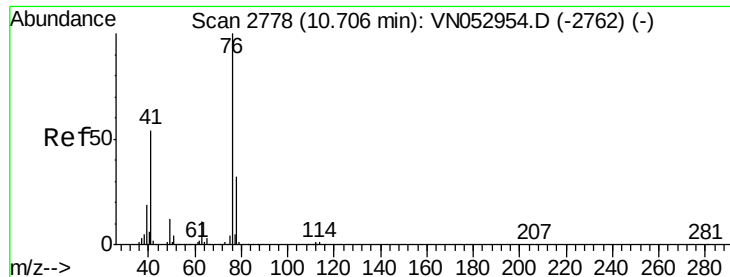
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 1/3/2019 9:55:39 AM



#56
 Ethyl methacrylate
 Concen: 21.616 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Tgt Ion:	69	Resp:	231299
Ion	Ratio	Lower	Upper
69	100		
41	61.4	51.7	77.5
39	29.5	24.6	37.0





#57

1,3-Dichloropropane

Concen: 22.411 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS02

Tot Ion: 76 Resp: 310696

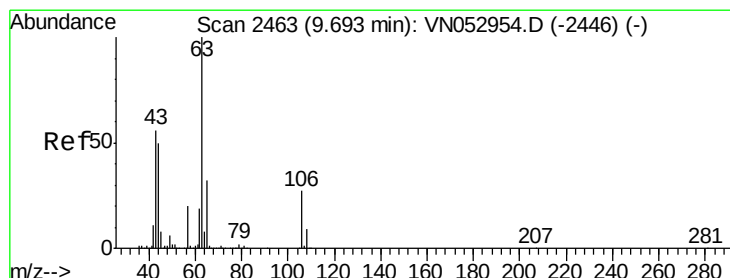
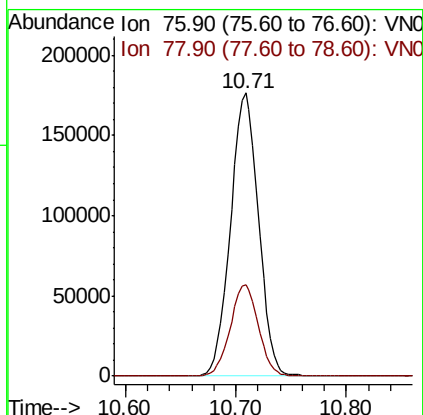
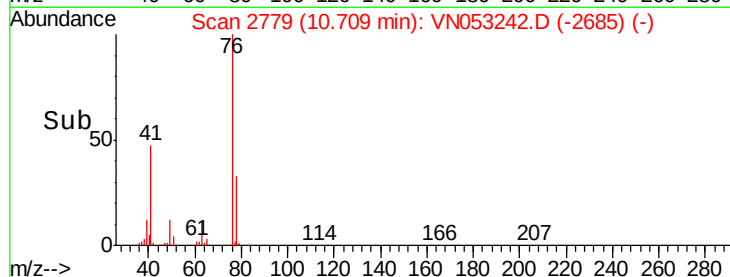
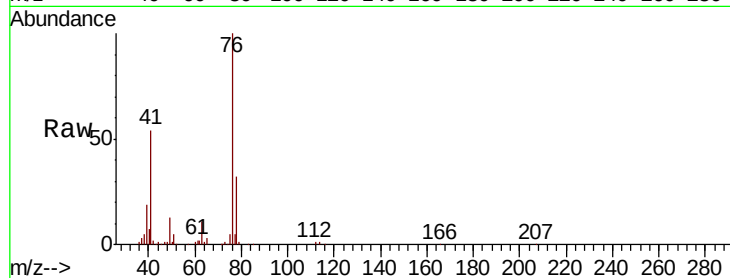
Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8

Manual Integrations
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MMDadoda
1/3/2019 9:55:39 AM



#58

2-Chloroethyl Vinyl ether

Concen: 108.572 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053242.D

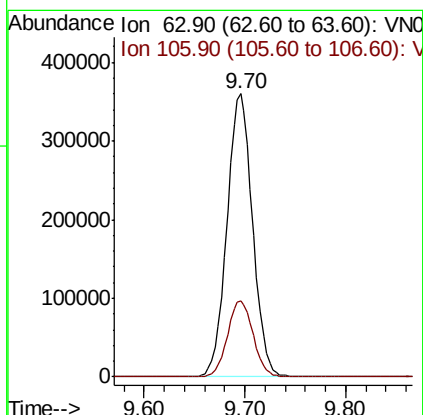
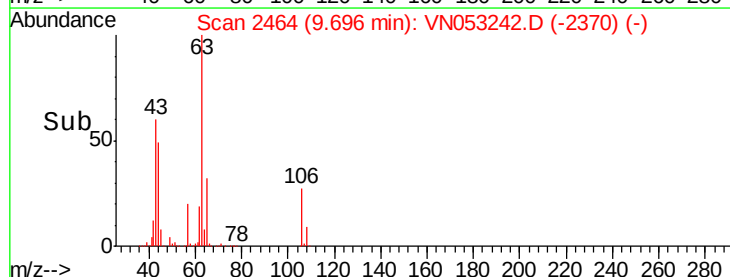
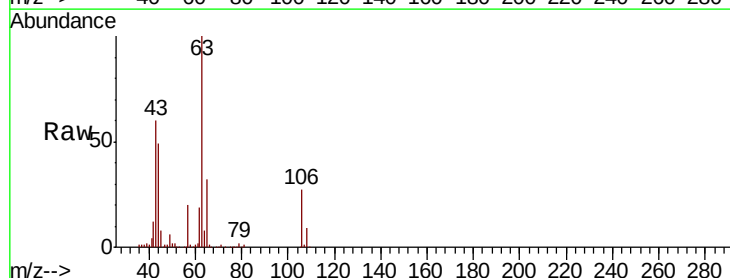
Acq: 2 Jan 2019 12:25

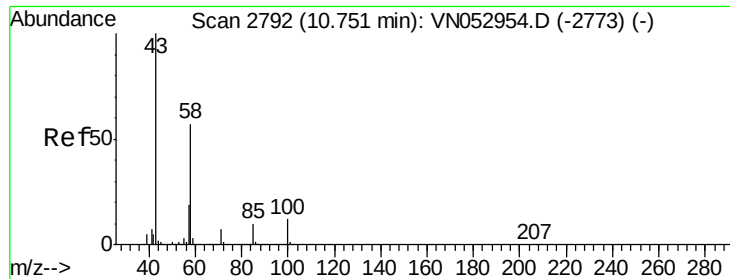
Tgt Ion: 63 Resp: 637810

Ion Ratio Lower Upper

63 100

106 26.9 21.0 31.6





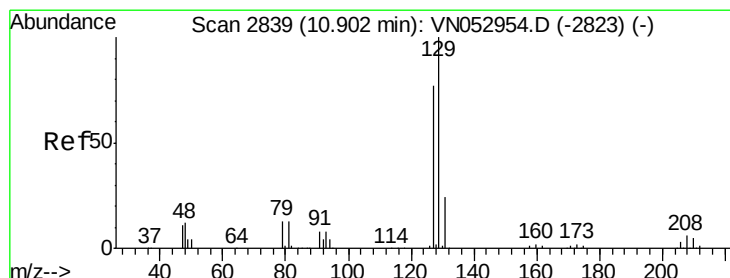
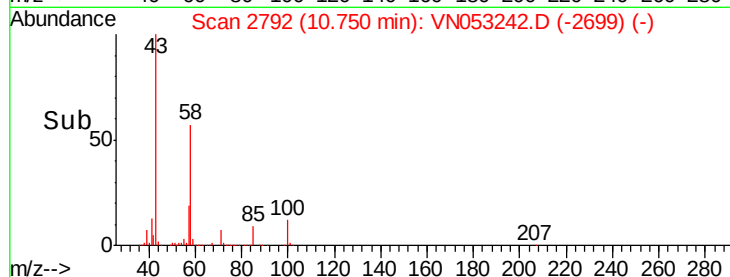
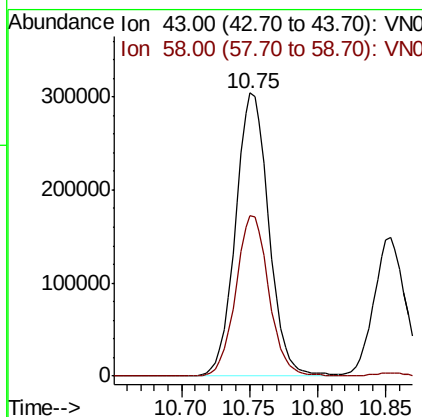
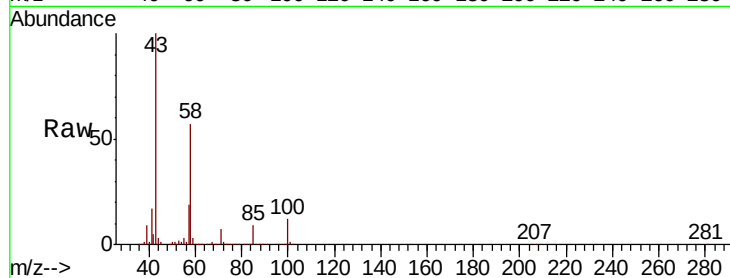
#59
2-Hexanone
Concen: 111.409 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	28.1	84.3

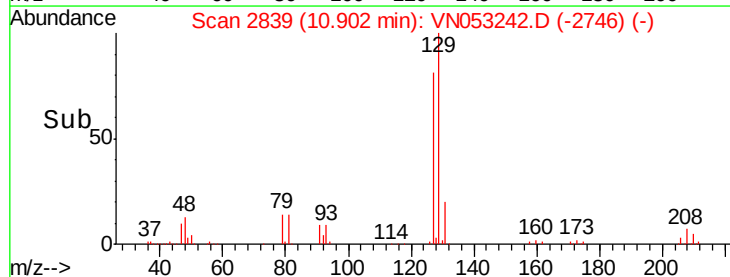
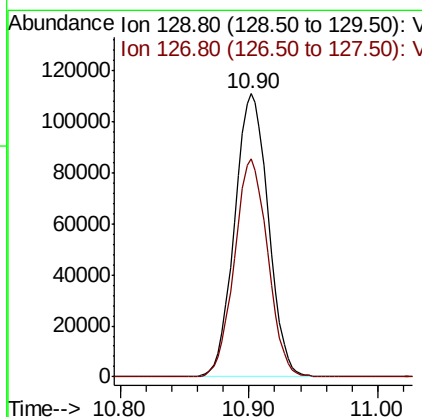
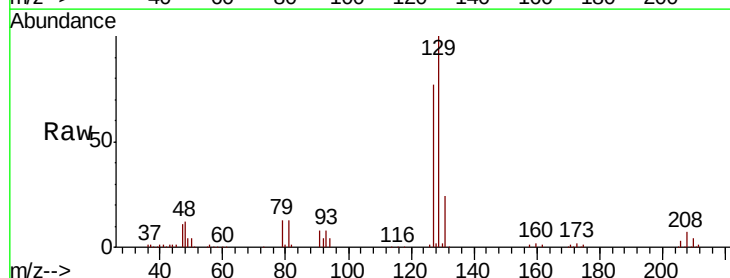
Manual Integrations
APPROVED

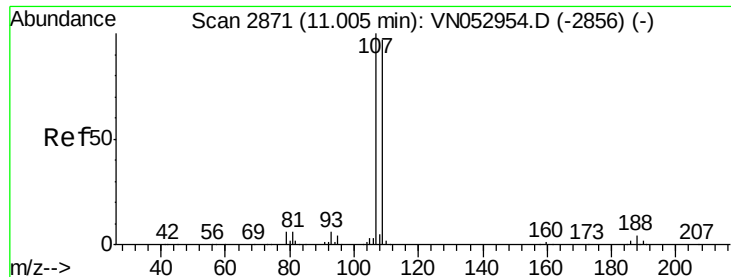
MMDadoda
1/3/2019 9:55:39 AM



#60
Dibromochloromethane
Concen: 21.806 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.6	116.0





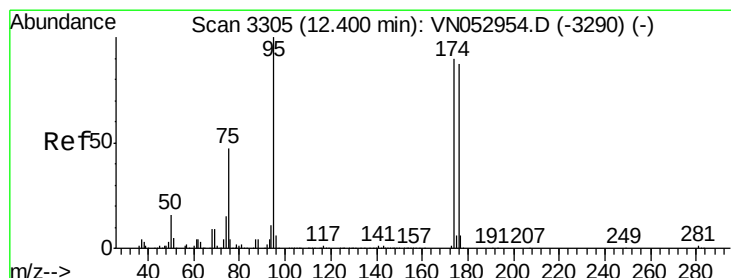
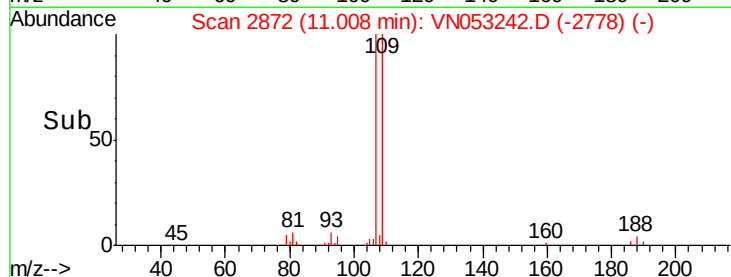
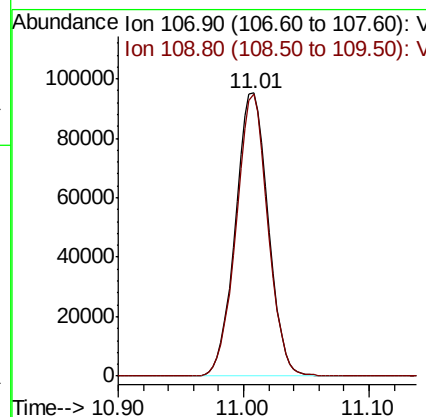
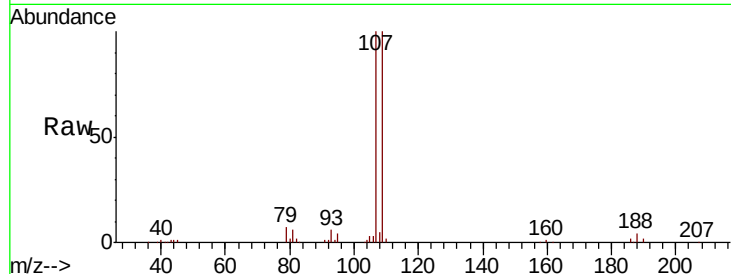
#61
 1,2-Dibromoethane
 Concen: 21.012 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	75.4	113.0

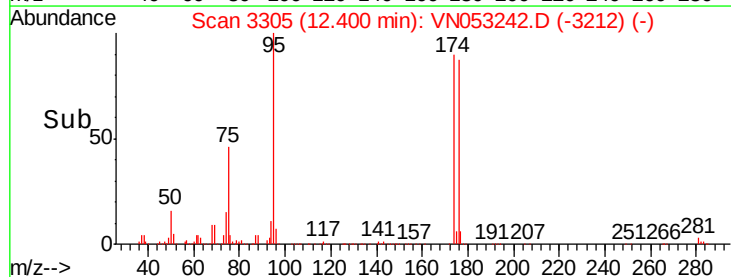
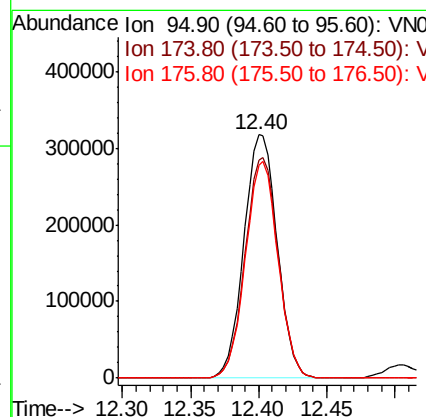
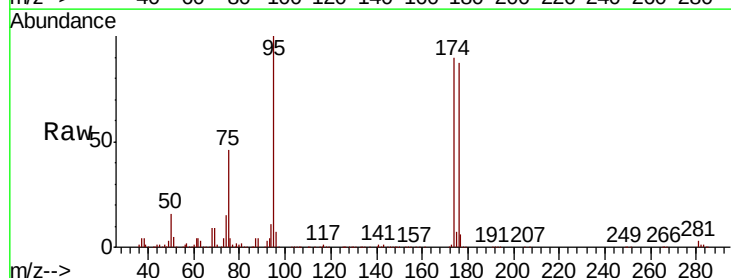
Manual Integrations
 APPROVED

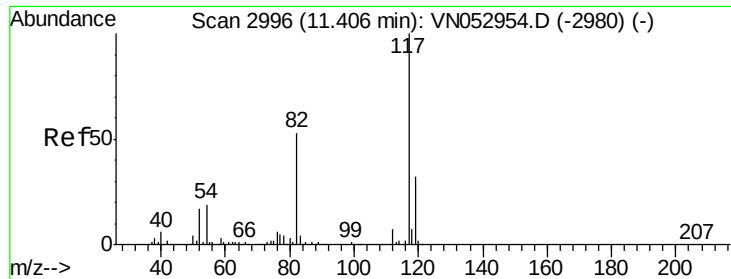
MMDadoda
 1/3/2019 9:55:39 AM



#62
 4-Bromofluorobenzene
 Concen: 21.012 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	178.8
176	87.3	0.0	173.8





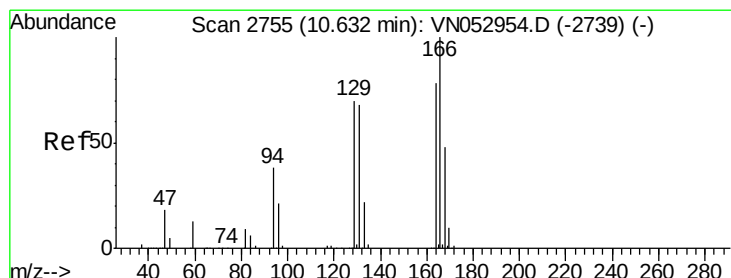
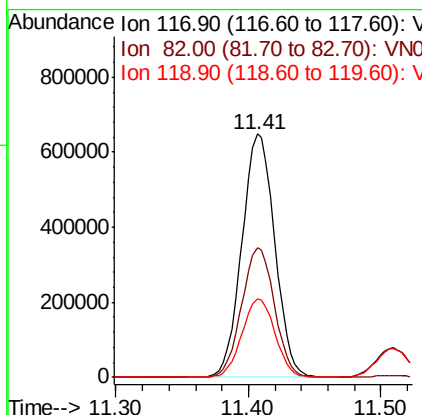
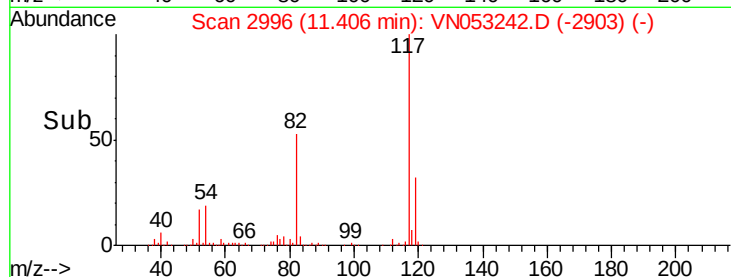
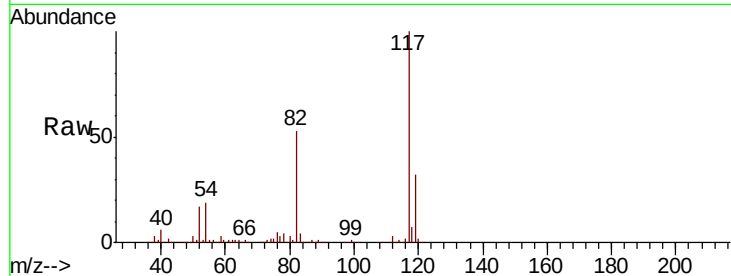
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.8	64.2
119	32.2	25.5	38.3

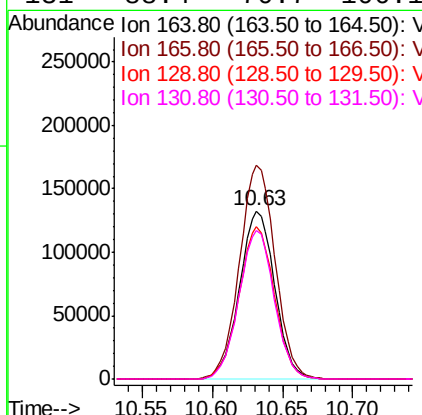
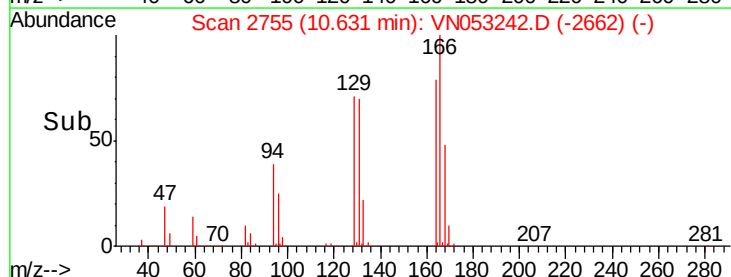
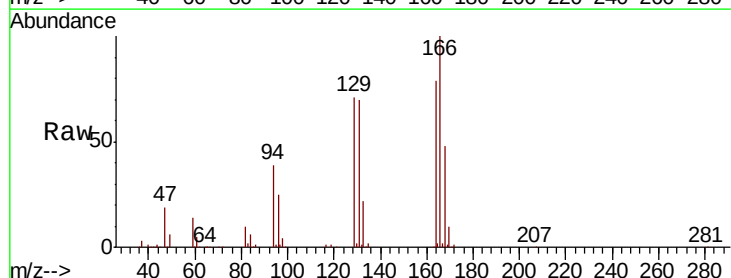
Manual Integrations
APPROVED

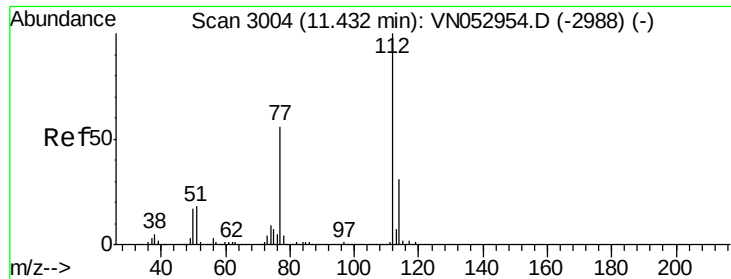
MMDadoda
1/3/2019 9:55:39 AM



#64
Tetrachloroethene
Concen: 19.173 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.9	154.3
129	90.3	73.7	110.5
131	88.4	70.7	106.1





#65

Chlorobenzene

Concen: 21.677 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS02

Tot Ion:112 Resp: 536980

Ion Ratio Lower Upper

112 100

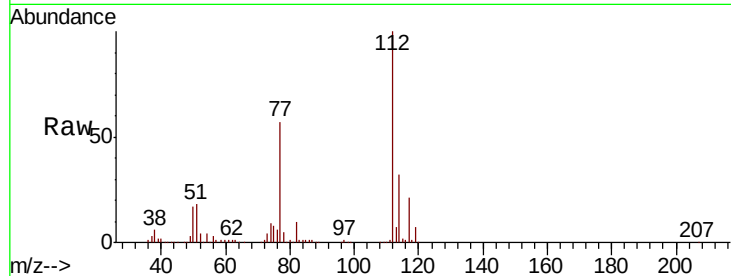
114 31.6 25.5 38.3

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

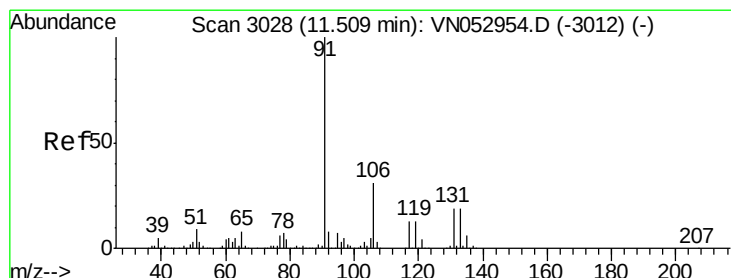
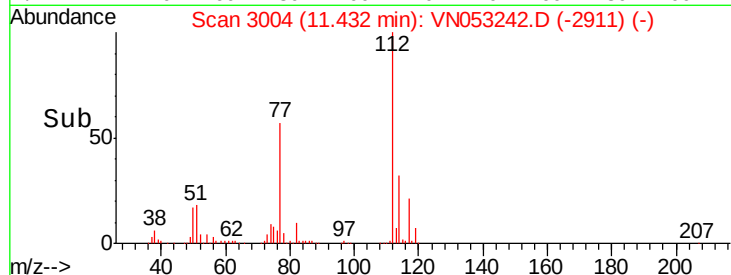
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.889 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

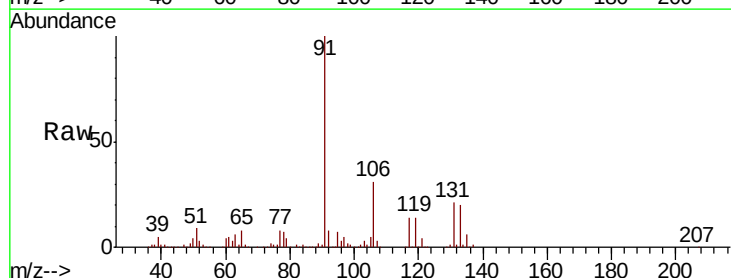
Tgt Ion:131 Resp: 197176

Ion Ratio Lower Upper

131 100

133 94.9 47.6 142.9

119 67.7 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

250000

200000

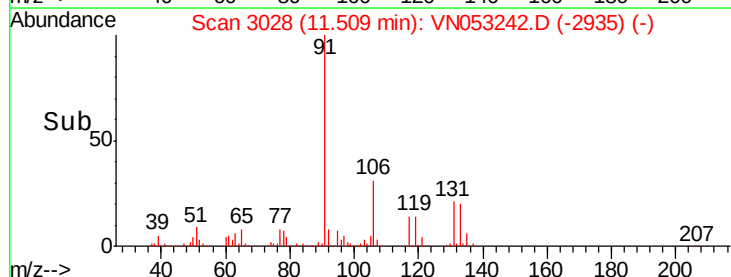
150000

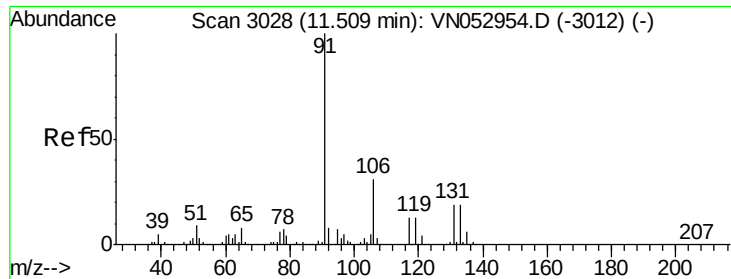
100000

50000

0

Time-->





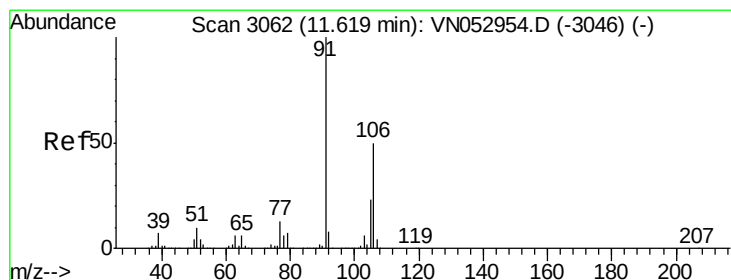
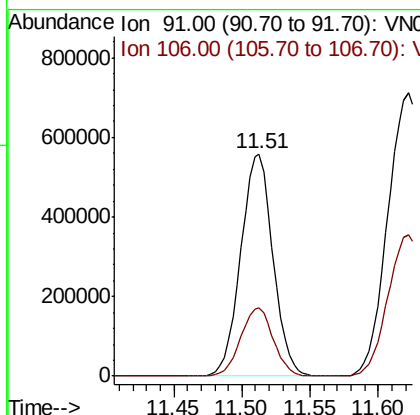
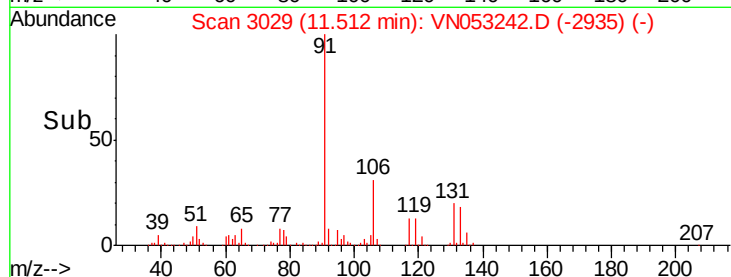
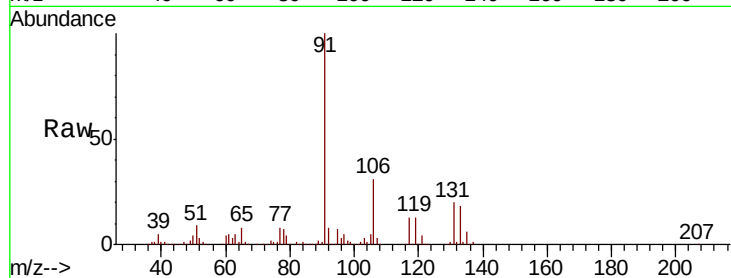
#67
Ethyl Benzene
Concen: 21.448 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS02

Tot Ion	91	Resp	913707
Ion Ratio	100	Lower	Upper
106	30.8	24.9	37.3

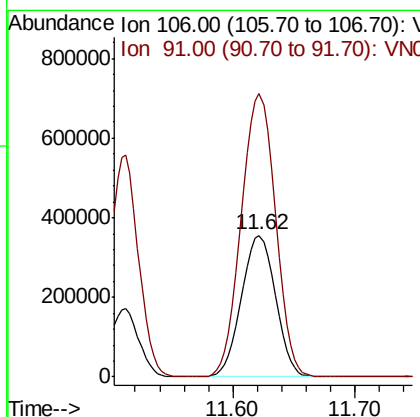
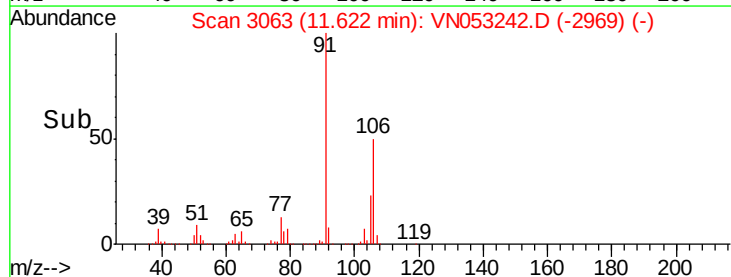
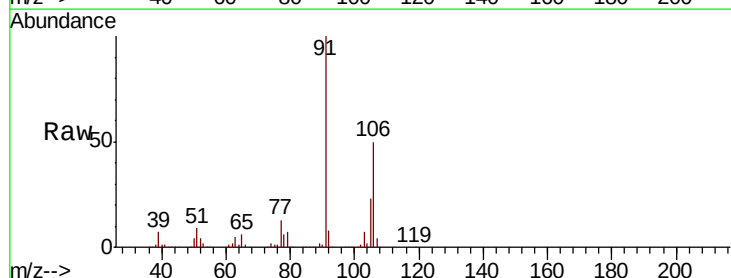
Manual Integrations
APPROVED

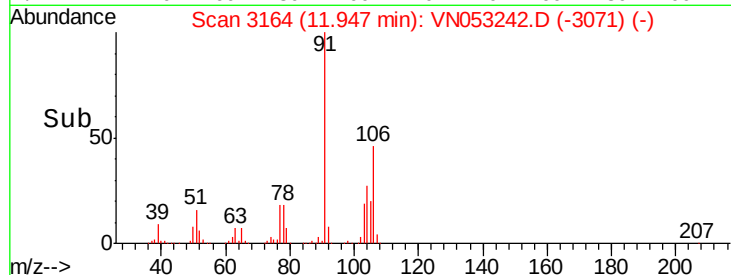
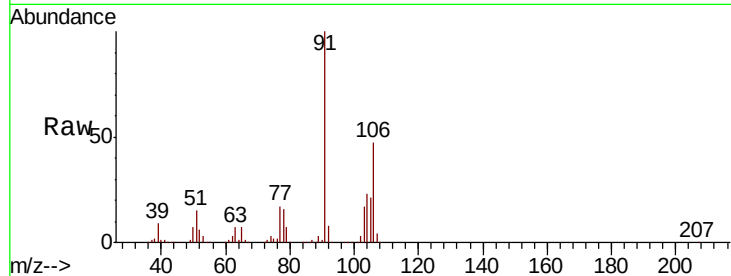
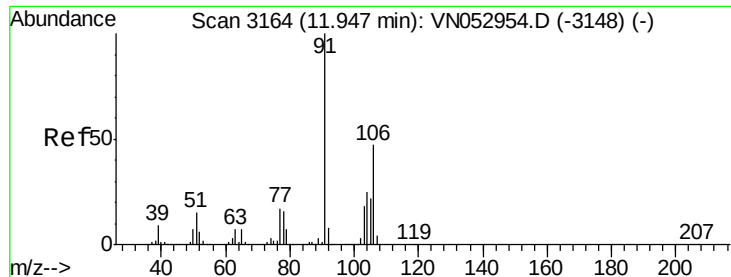
MMDadoda
1/3/2019 9:55:39 AM



#68
m/p-Xylenes
Concen: 42.274 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	106	Resp	684627
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	201.3	162.2	243.4





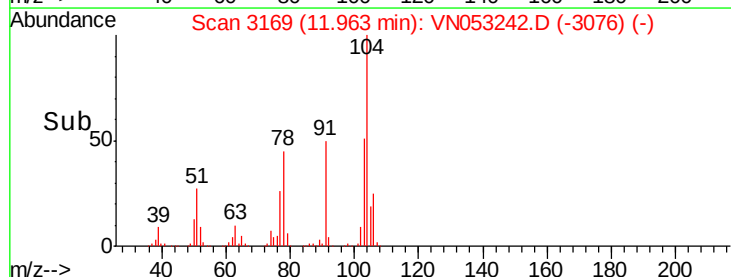
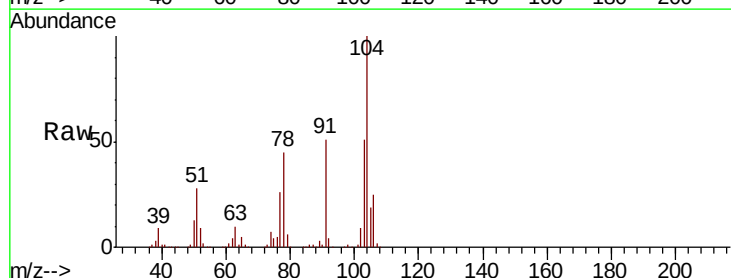
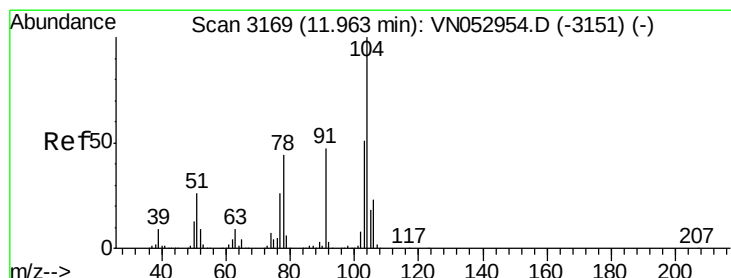
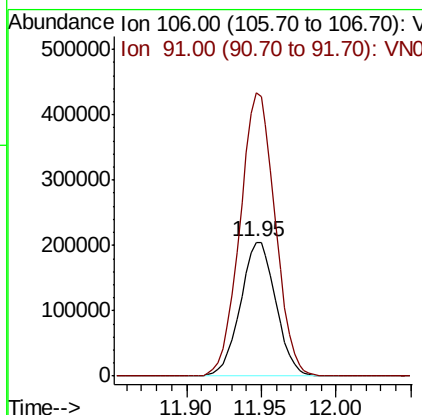
#69
o-Xylene
Concen: 21.637 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.7	106.6	319.8

Instrument :
MSVOA_N
ClientSampled :
VN0102WBS02

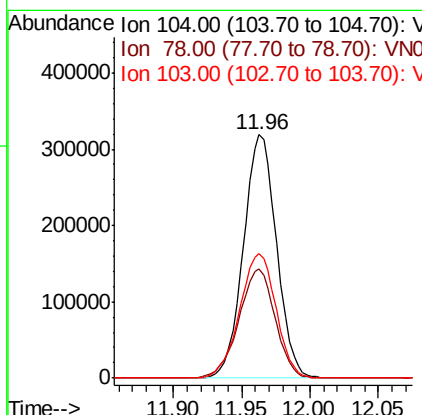
Manual Integrations
APPROVED

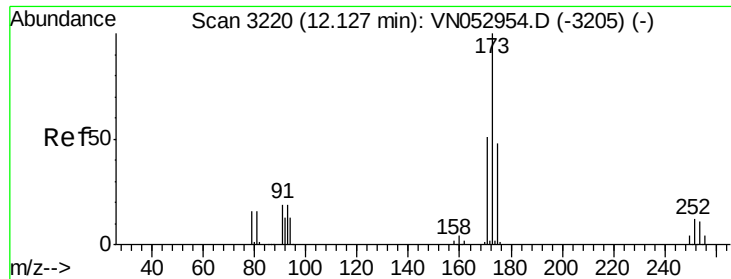
MMDadoda
1/3/2019 9:55:39 AM



#70
Styrene
Concen: 21.162 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	38.9	58.3
103	56.4	44.3	66.5





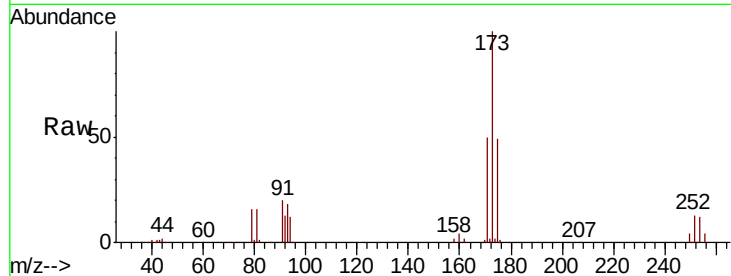
#71
Bromoform
Concen: 21.027 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.9
254	0.0	0.1	0.1#

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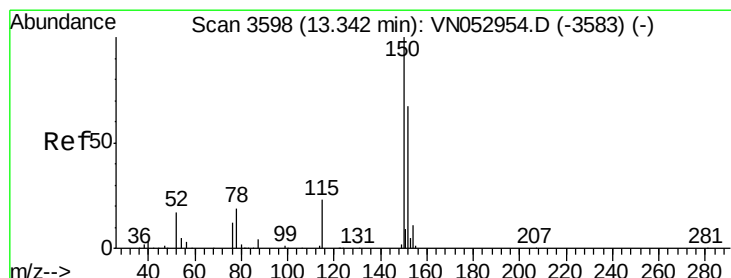
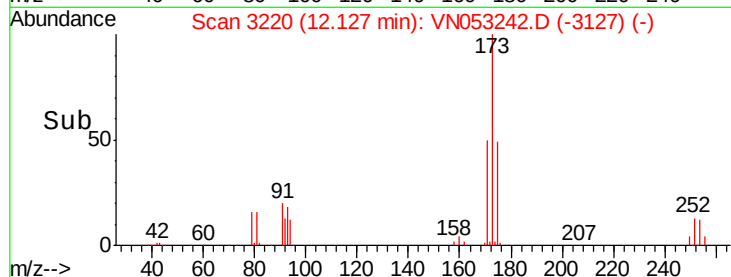
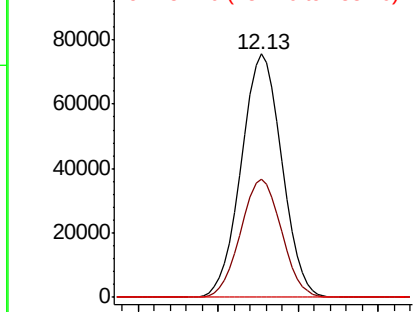


Abundance

Ion 172.70 (172.40 to 173.40): V

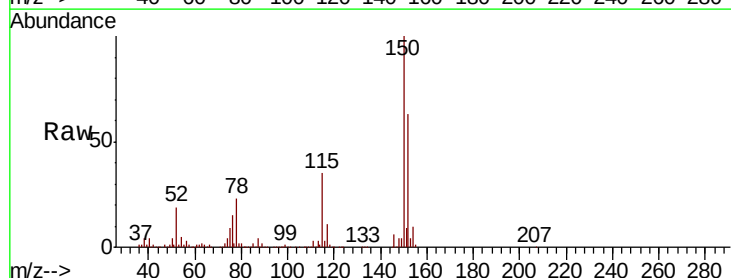
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.3	85.0
150	166.5	0.0	347.8

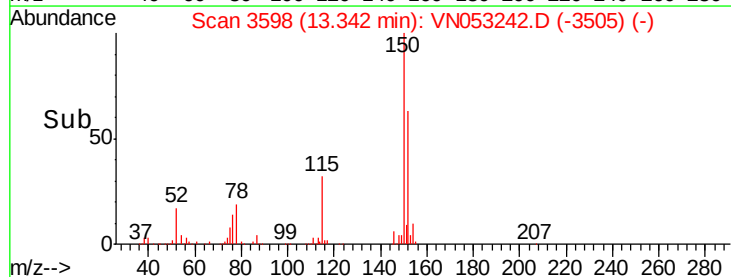
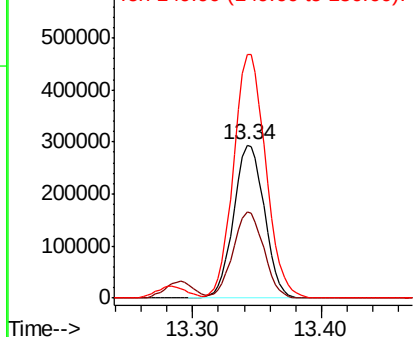


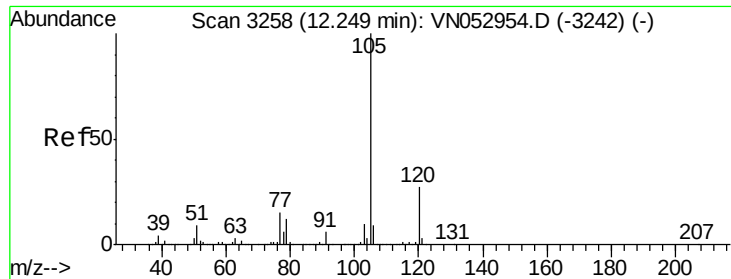
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.227 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0102WBS02

Tot Ion: 105 Resp: 884953

Ion Ratio Lower Upper

105 100

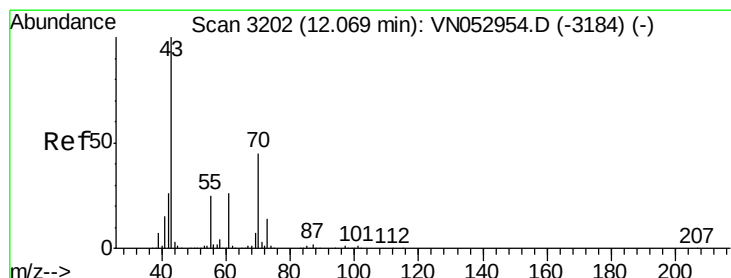
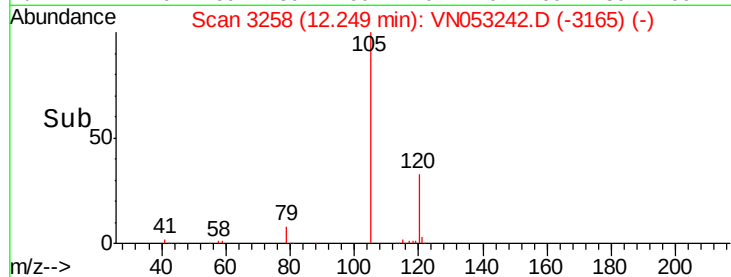
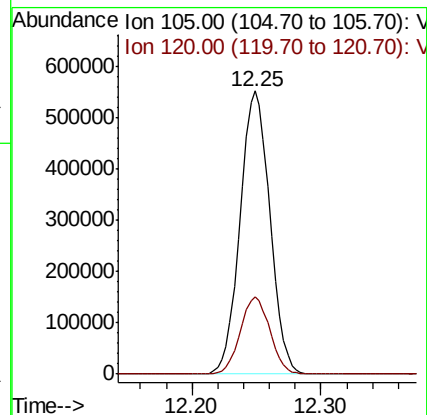
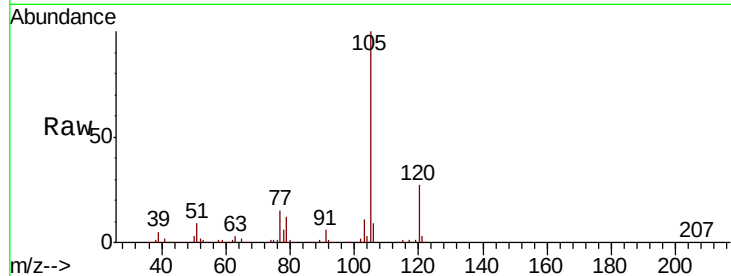
120 27.0 13.3 39.9

Manual Integrations

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1/3/2019 9:55:39 AM



#74

N-ethyl acetate

Concen: 21.669 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Tgt Ion: 43 Resp: 229214

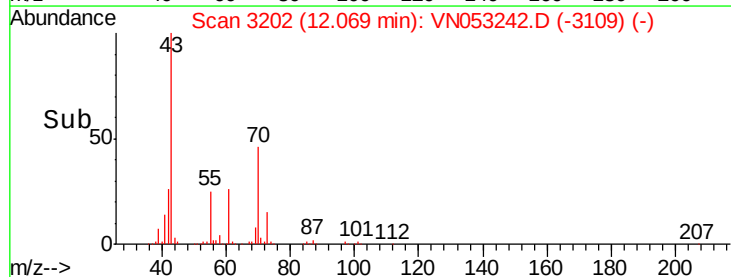
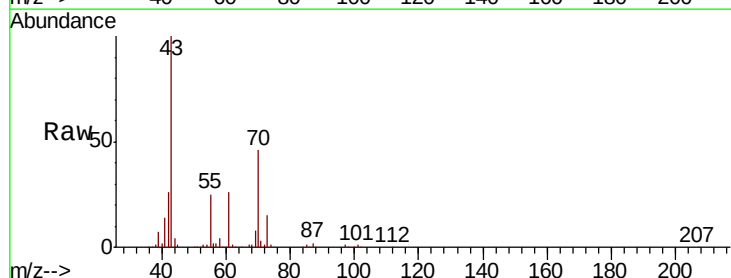
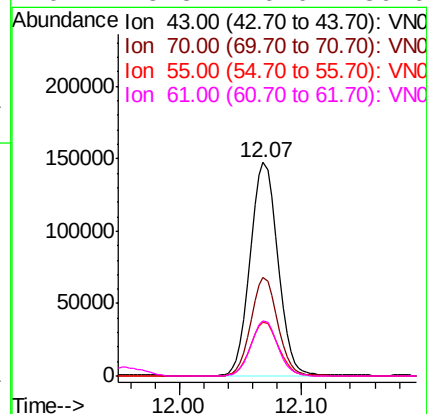
Ion Ratio Lower Upper

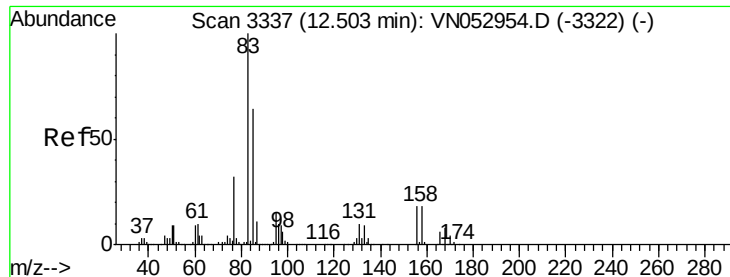
43 100

70 44.9 34.2 51.4

55 25.8 20.3 30.5

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 26.432 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

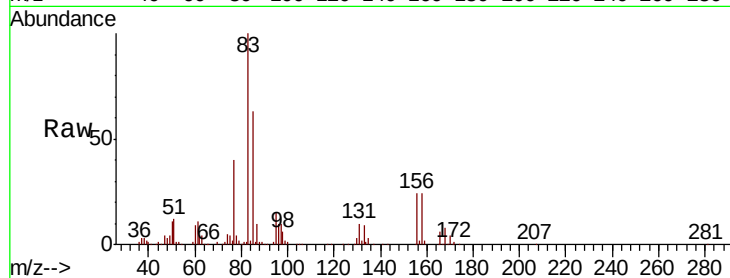
ClientSampleId :

VN0102WBS02

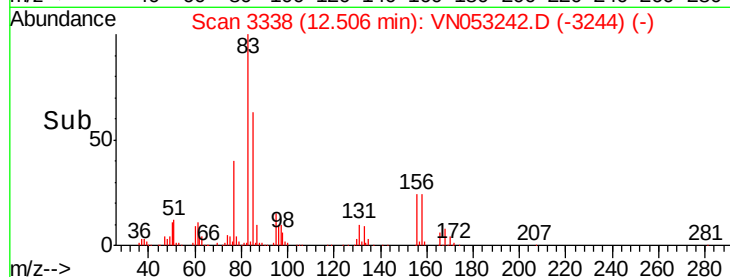
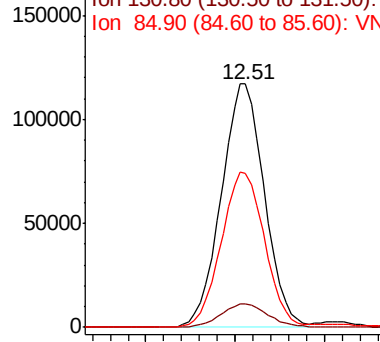
Tot Ion:	83	Resp:	197576
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.3	32.4	97.0

Manual Integrations
APPROVED

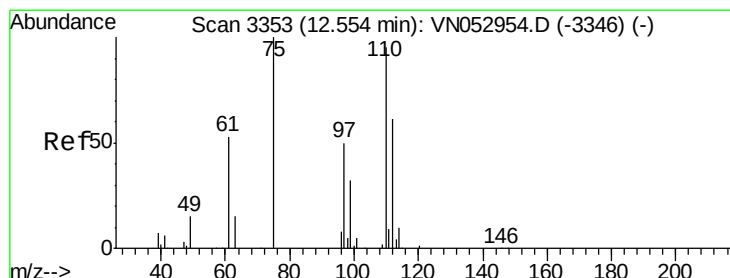
MMDadoda
1/3/2019 9:55:39 AM



Abundance Ion 82.90 (82.60 to 83.60): VN053242.D (-3337) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 22.226 ug/l m

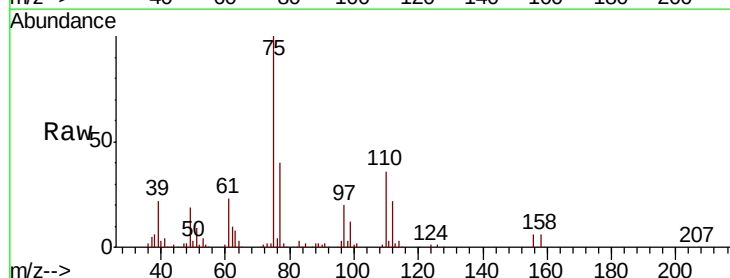
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

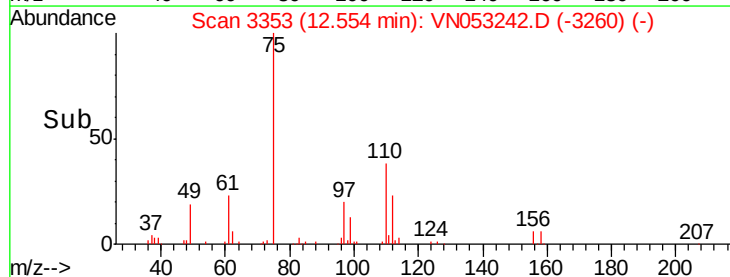
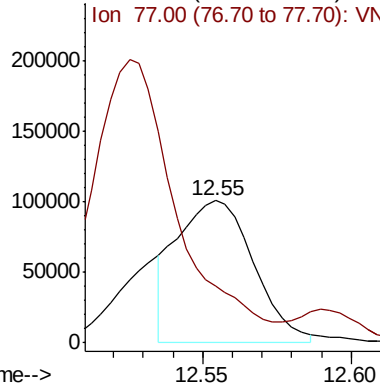
Lab File: VN053242.D

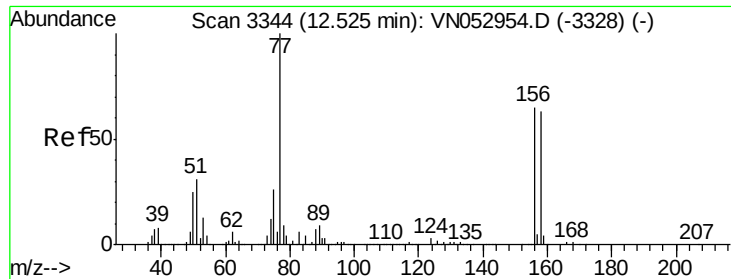
Acq: 2 Jan 2019 12:25

Tgt Ion:	75	Resp:	182195
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053242.D (-3353) (-)





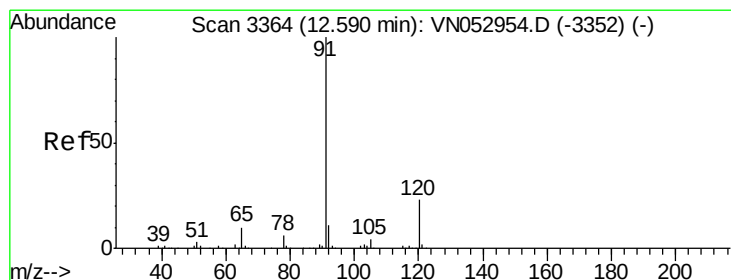
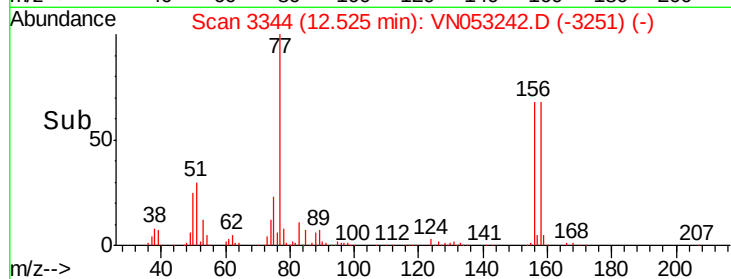
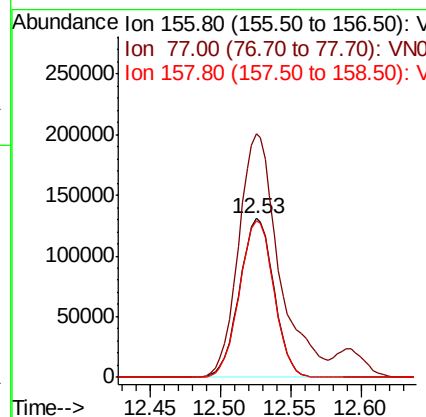
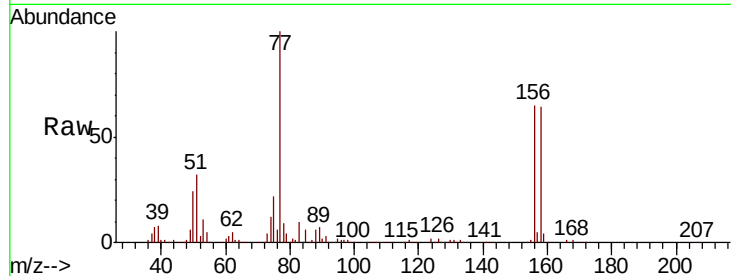
#77
Bromobenzene
Concen: 22.647 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.2	91.3	273.8
158	98.5	49.0	147.2

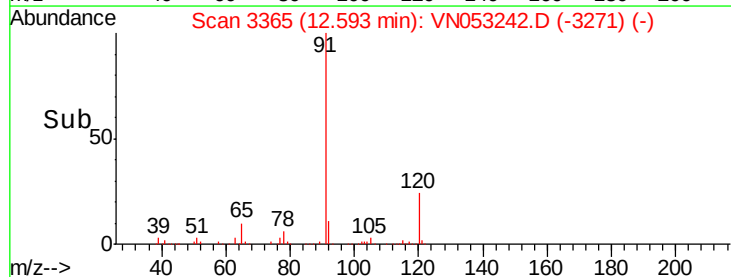
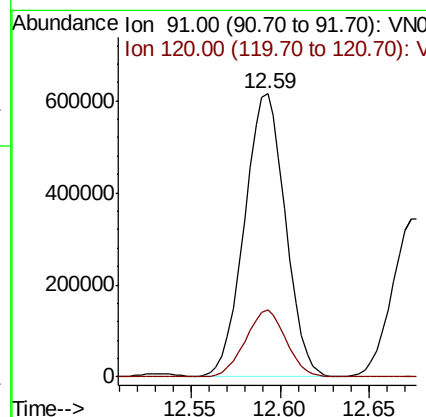
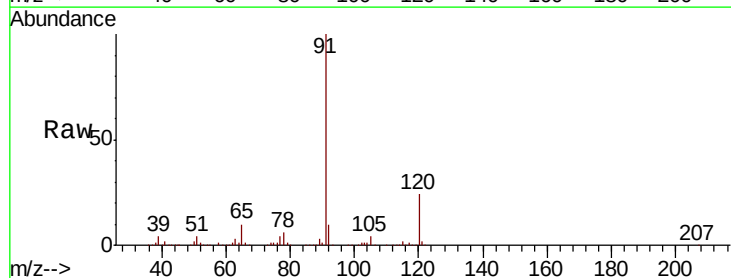
Manual Integrations
APPROVED

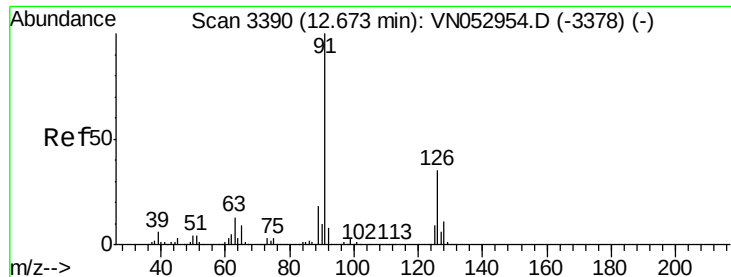
MMDadoda
1/3/2019 9:55:39 AM



#78
n-propylbenzene
Concen: 22.658 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5





#79

2-Chlorotoluene

Concen: 21.538 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0102WBS02

Tot Ion: 91 Resp: 579304

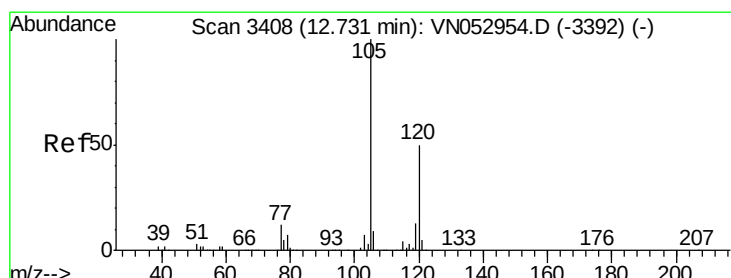
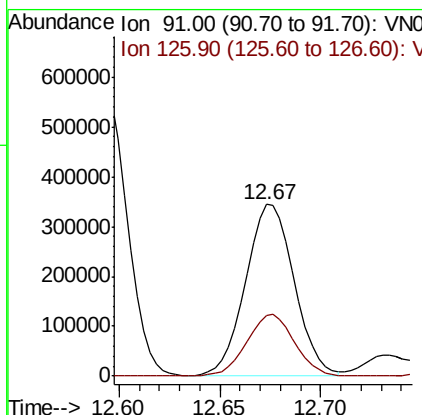
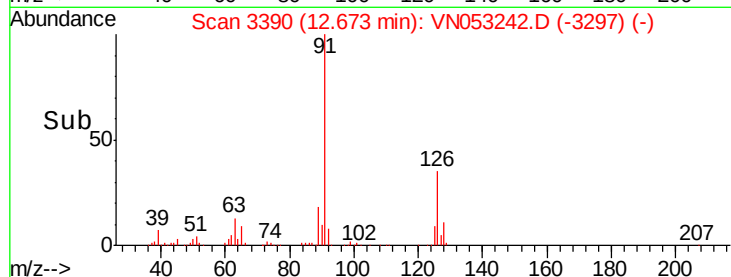
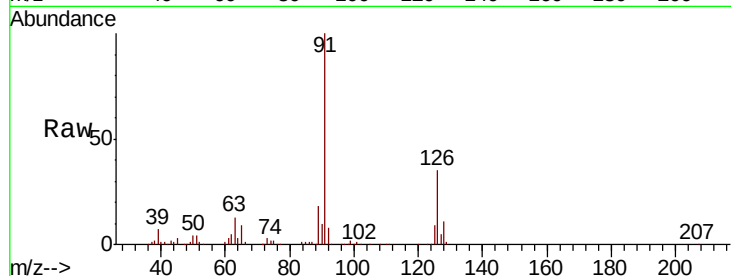
Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.3

Manual Integrations
APPROVED

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1/3/2019 9:55:39 AM



#80

1,3,5-Trimethylbenzene

Concen: 22.321 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053242.D

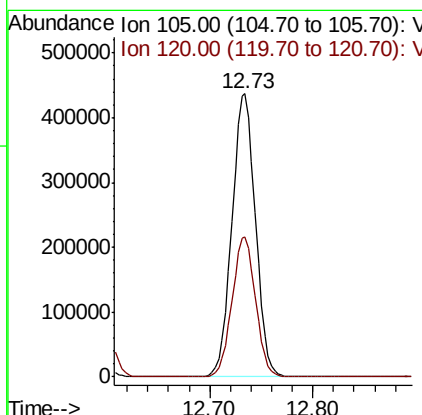
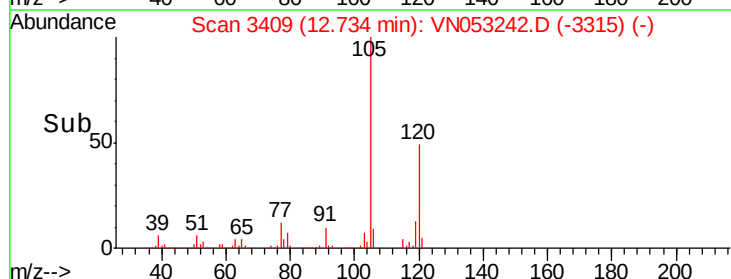
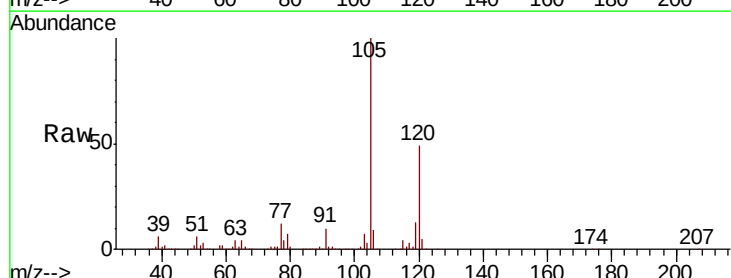
Acq: 2 Jan 2019 12:25

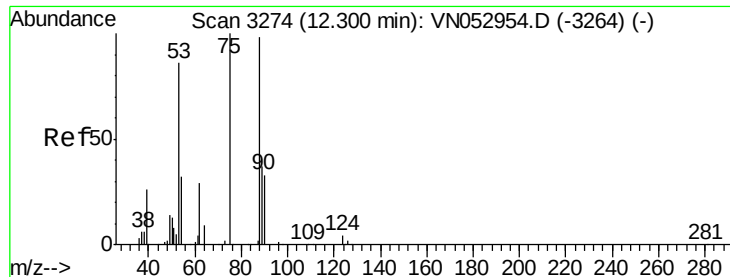
Tgt Ion: 105 Resp: 693194

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





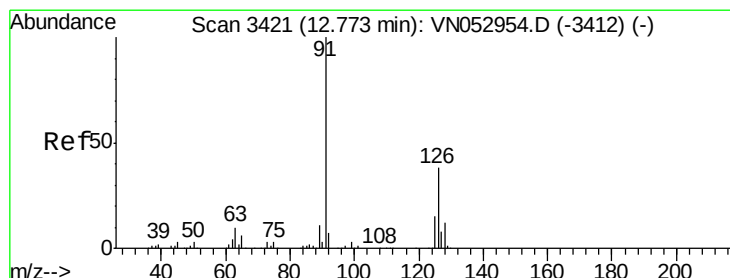
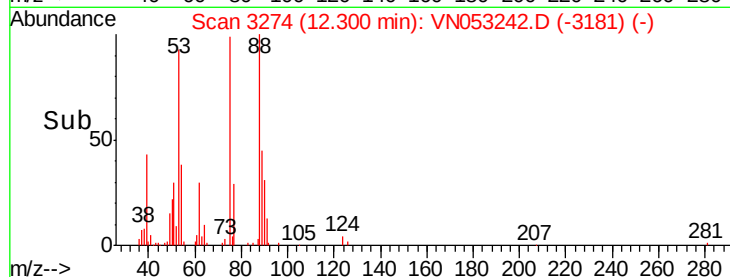
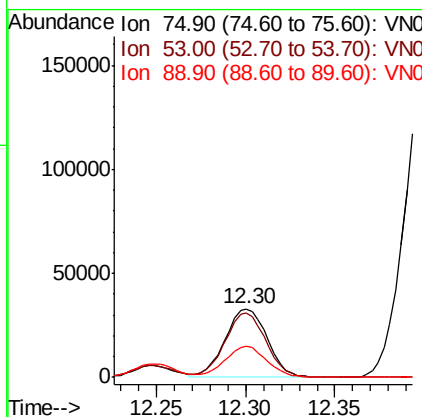
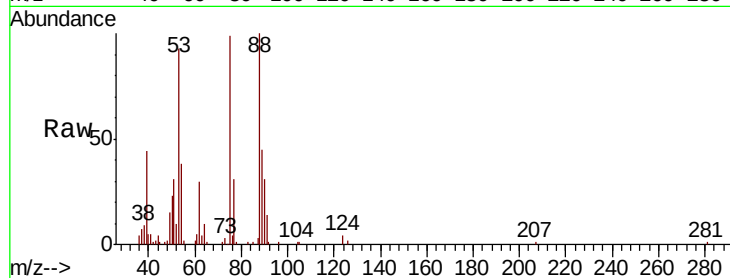
#81
trans-1,4-Dichloro-2-butene
Concen: 21.425 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.6	74.7	112.1
89	44.8	36.1	54.1

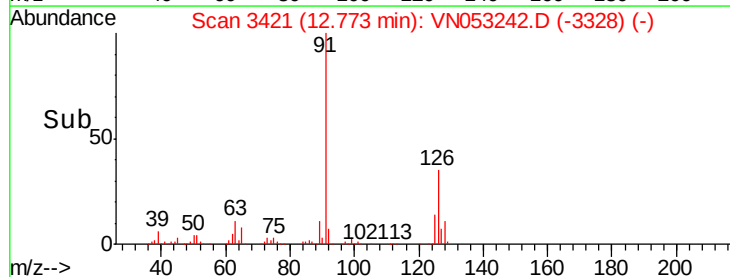
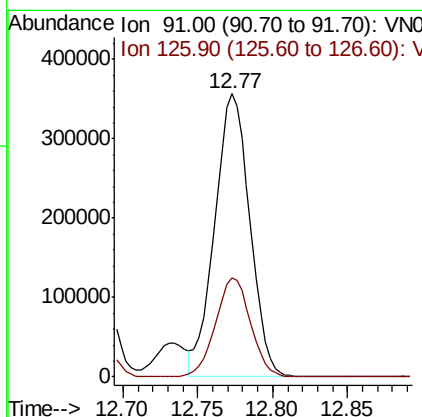
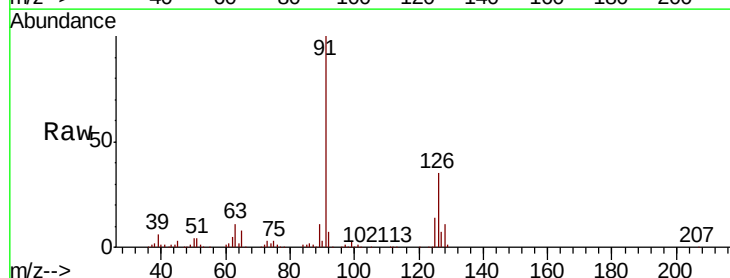
Manual Integrations
APPROVED

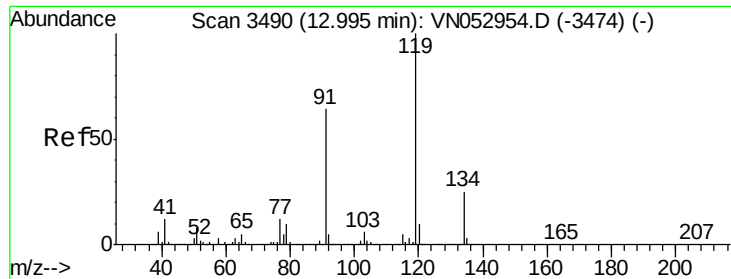
MMDadoda
1/3/2019 9:55:39 AM



#82
4-Chlorotoluene
Concen: 22.130 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	51.7





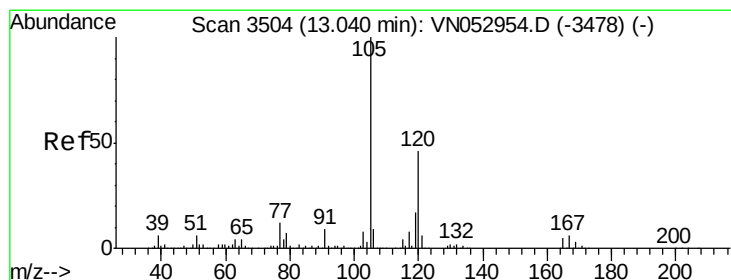
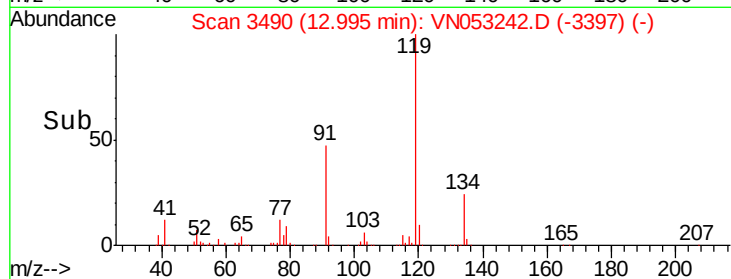
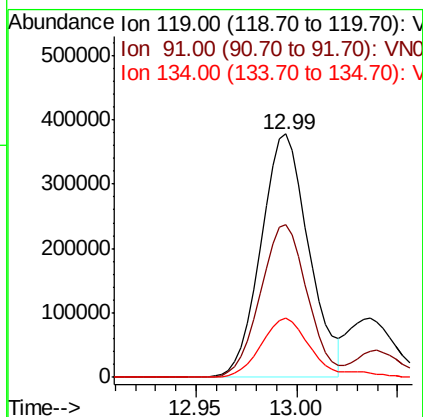
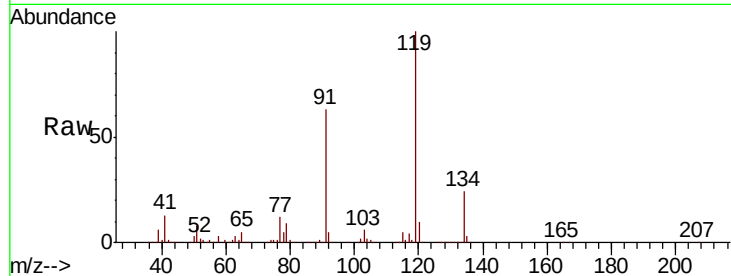
#83
 tert-Butylbenzene
 Concen: 22.651 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	622126		
91	62.1		31.9	95.5
134	25.8		12.8	38.4

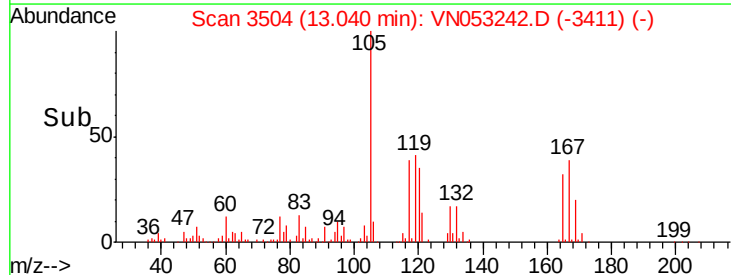
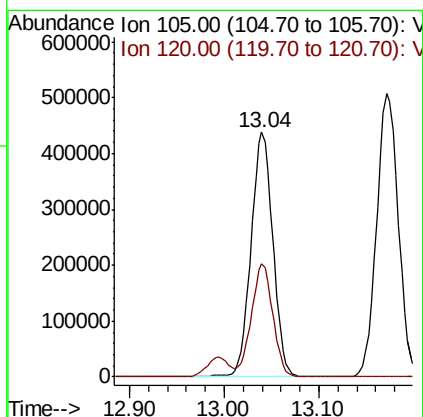
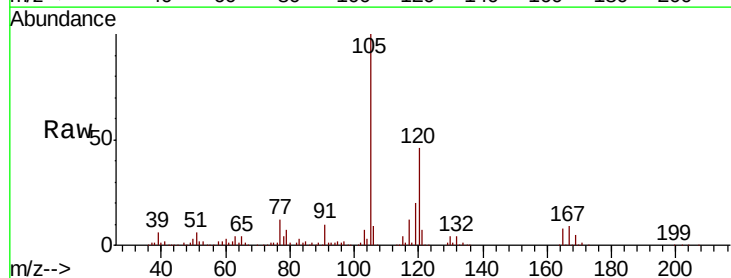
Manual Integrations
 APPROVED

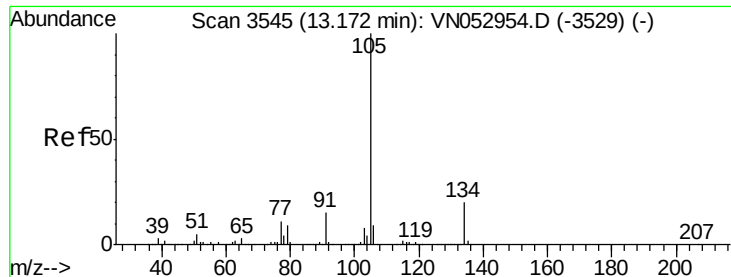
MMDadoda
 1/3/2019 9:55:39 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.525 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	703231		
120	45.5		22.9	68.8





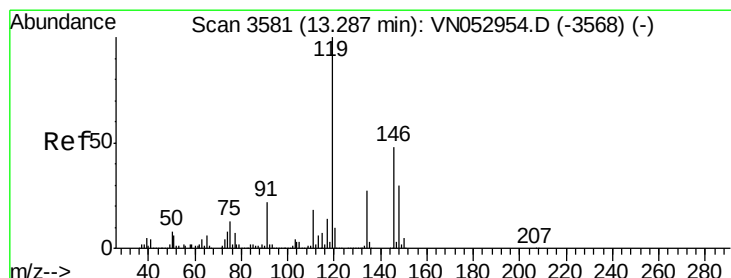
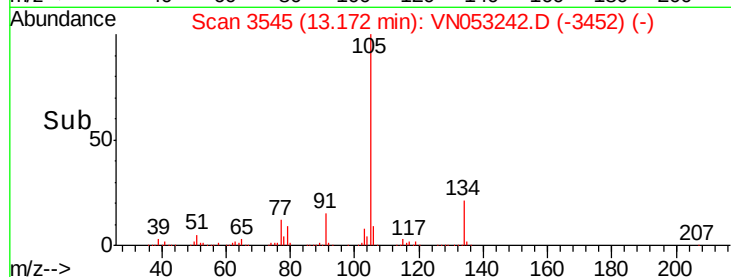
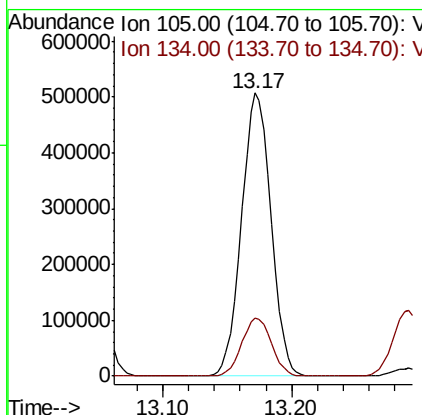
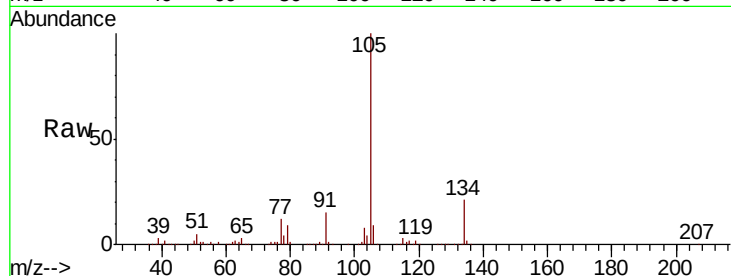
#85
 sec-Butylbenzene
 Concen: 21.685 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.1	30.3

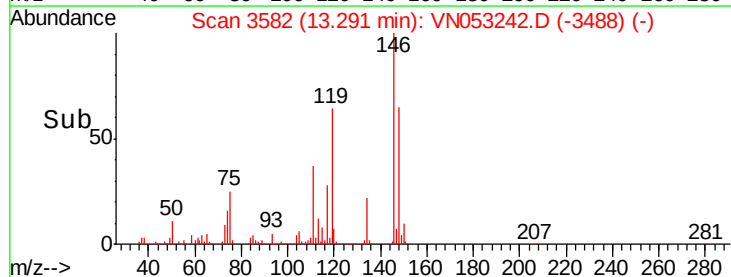
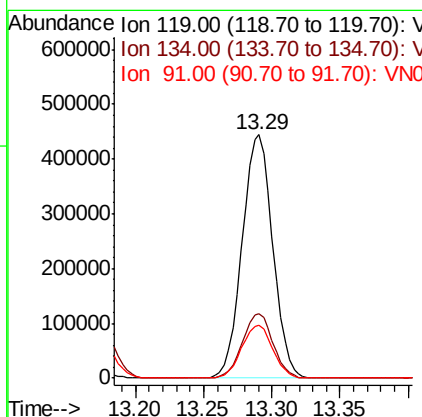
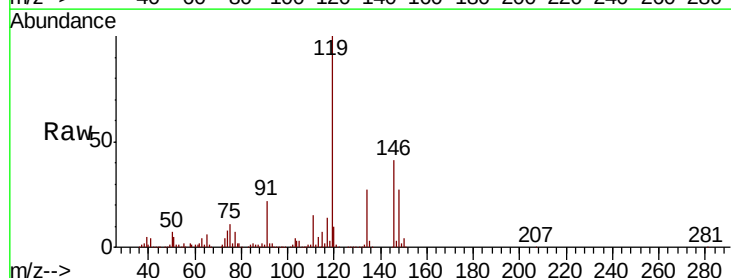
Manual Integrations
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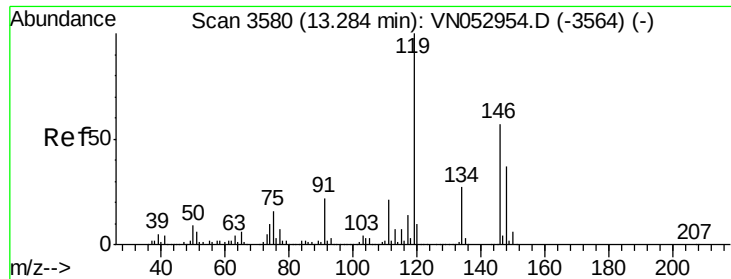
MMDadoda
 1/3/2019 9:55:39 AM



#86
 p-Isopropyltoluene
 Concen: 21.432 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.2
91	22.1	11.1	33.3





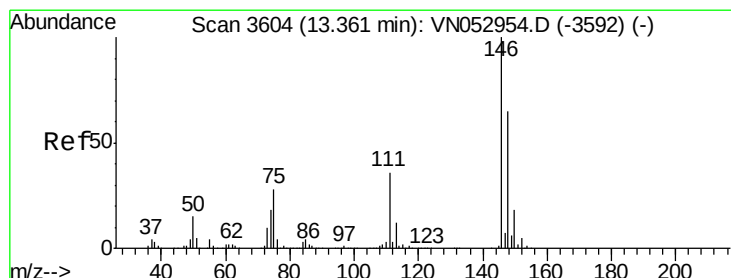
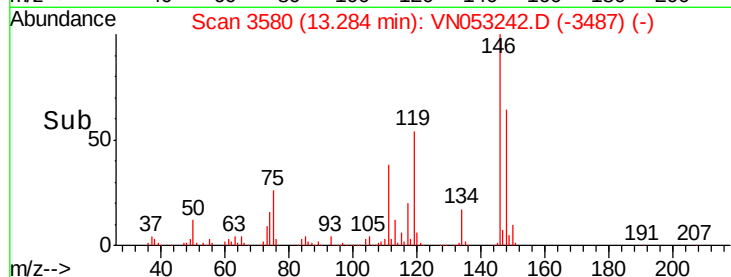
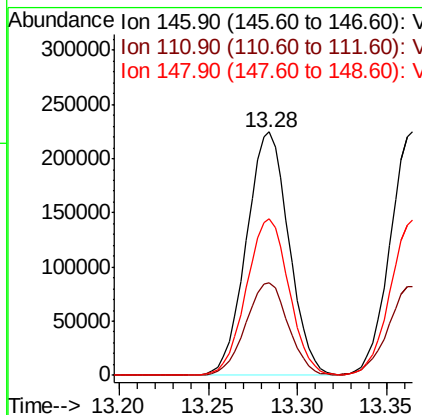
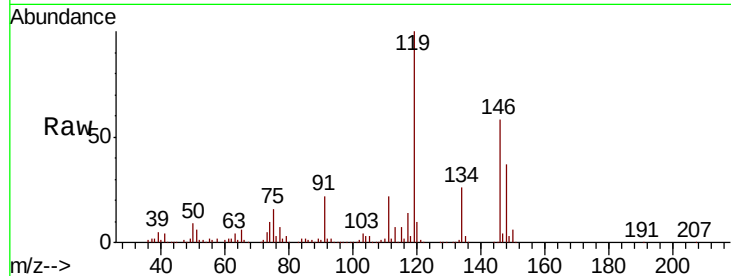
#87
 1,3-Dichlorobenzene
 Concen: 21.321 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.5	32.0	96.0

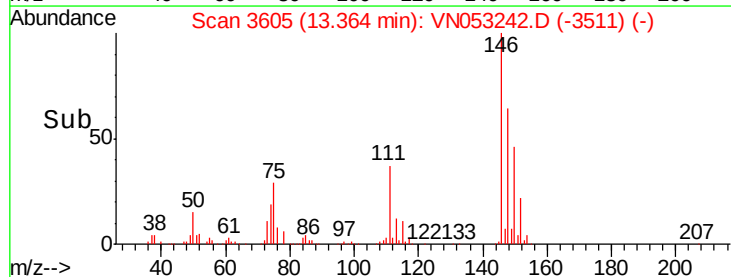
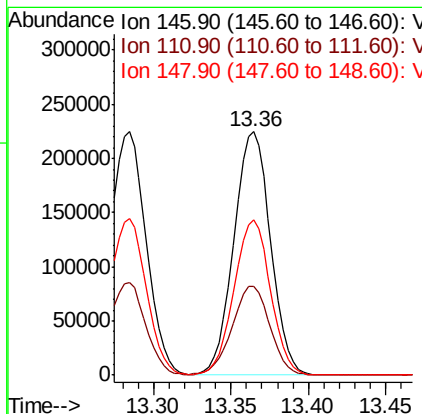
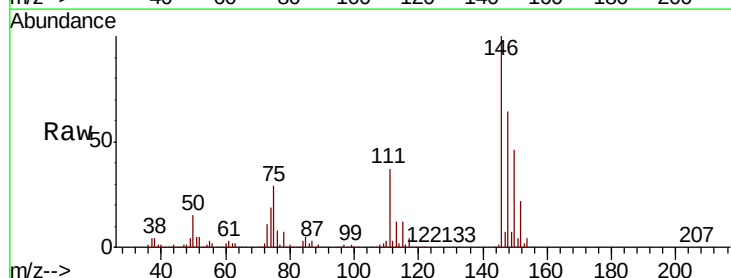
Manual Integrations
 APPROVED

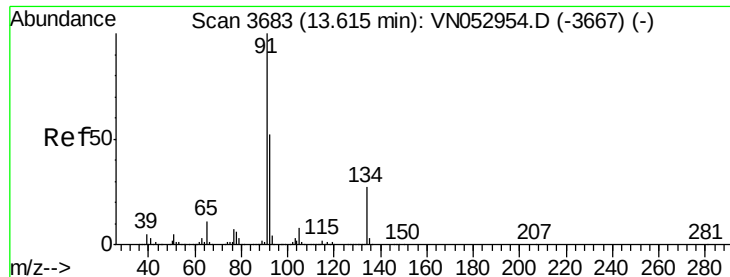
MMDadoda
 1/3/2019 9:55:39 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.861 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.8
148	63.3	32.1	96.5





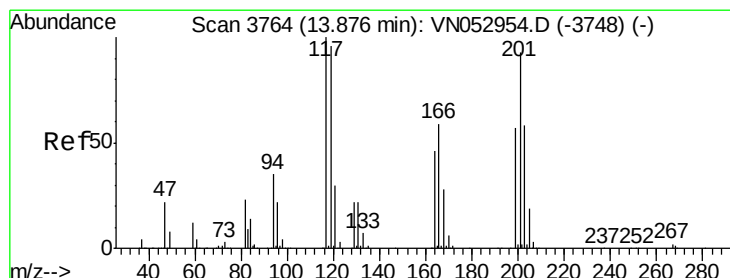
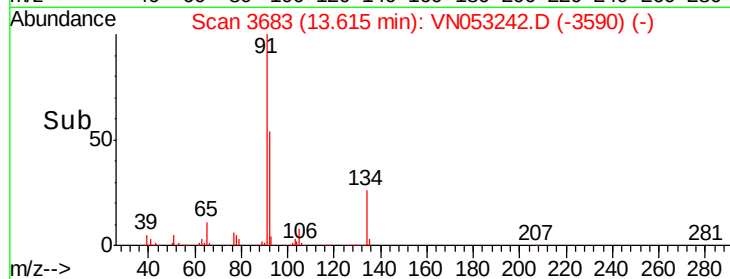
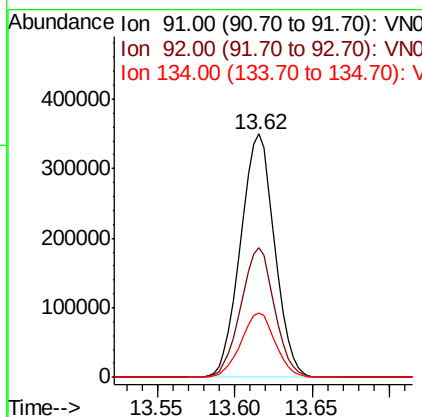
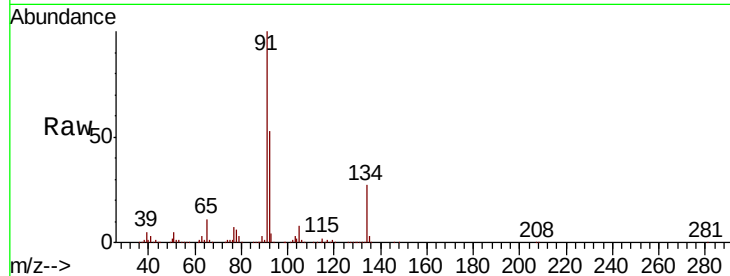
#89
n-Butylbenzene
Concen: 19.448 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	26.6	13.3	39.8

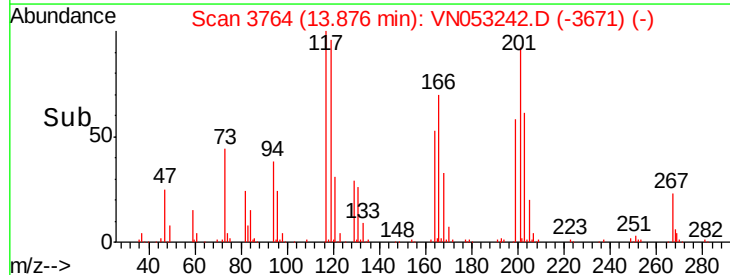
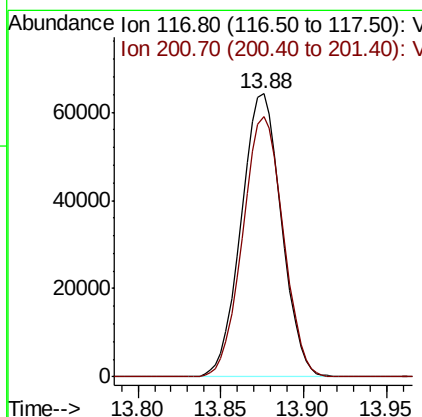
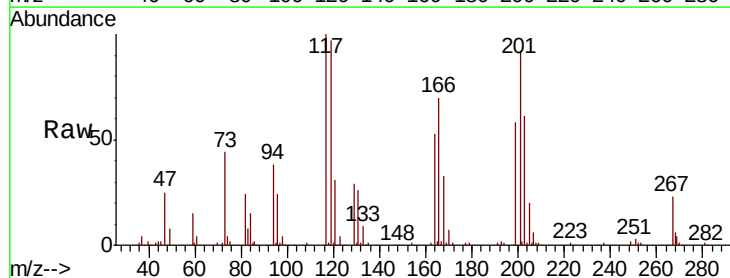
Manual Integrations
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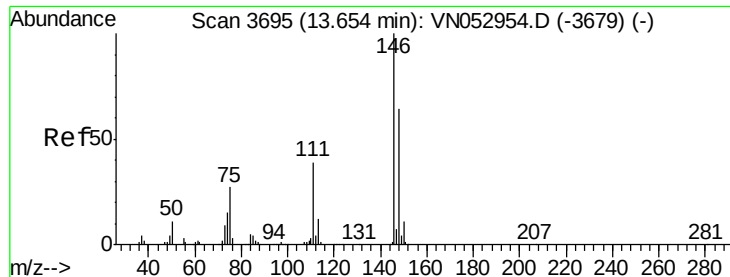
MMDadoda
1/3/2019 9:55:39 AM



#90
Hexachloroethane
Concen: 22.020 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053242.D
Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.4	45.7	137.1





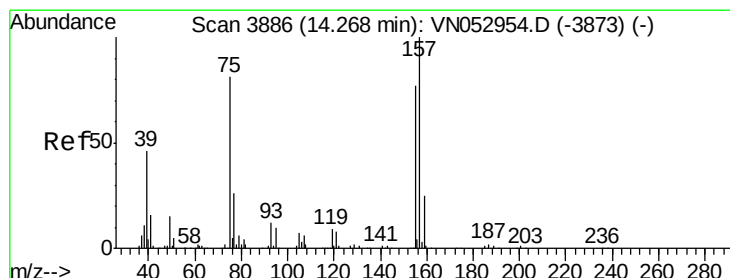
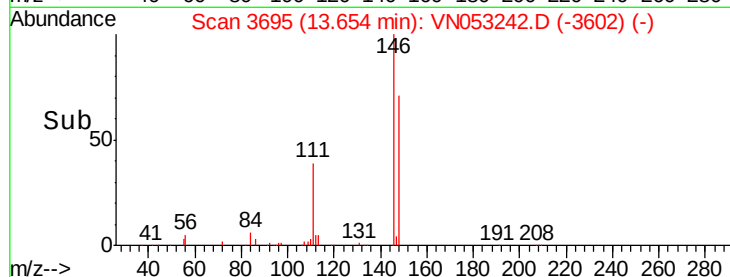
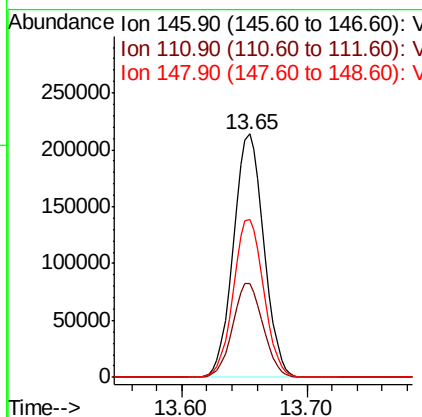
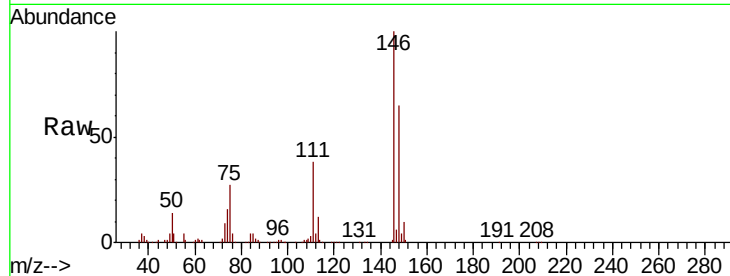
#91
 1,2-Dichlorobenzene
 Concen: 21.796 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0102WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	64.9	32.0	96.0

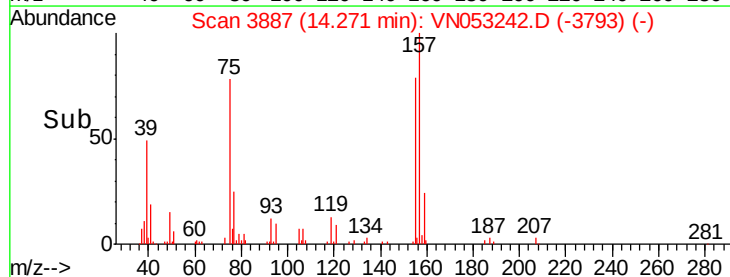
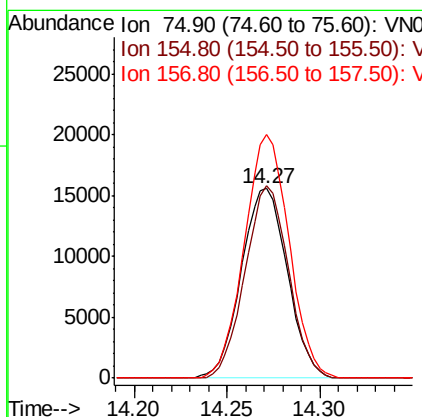
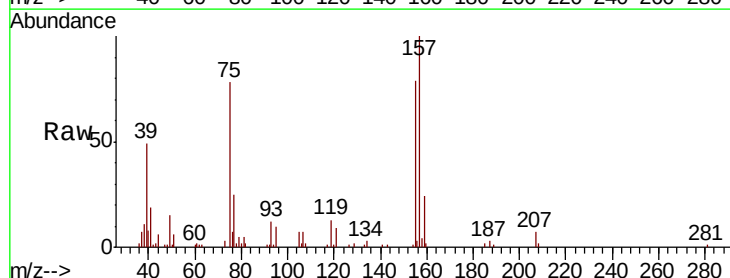
Manual Integrations
 APPROVED

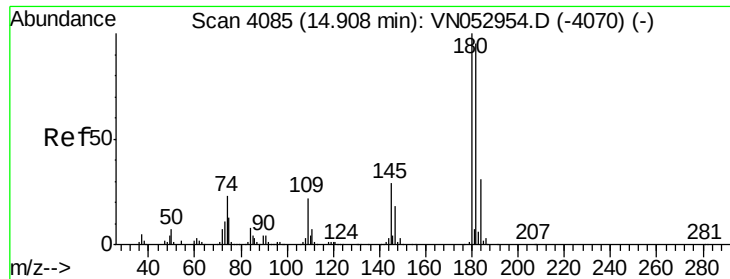
MMDadoda
 1/3/2019 9:55:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.796 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	48.2	144.6
157	124.5	61.2	183.5





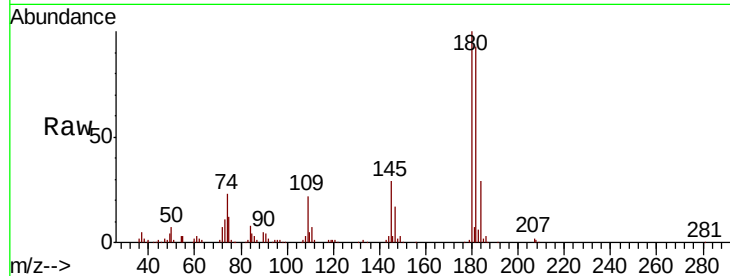
#93
 1,2,4-Trichlorobenzene
 Concen: 19.503 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0102WBS02

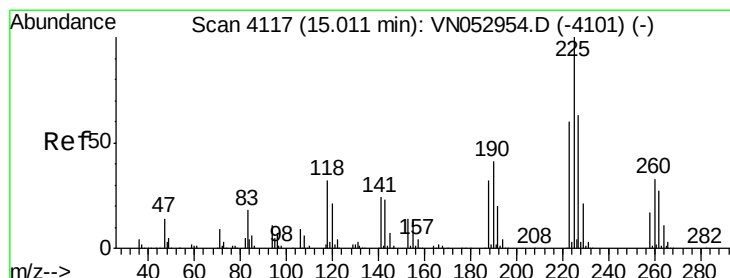
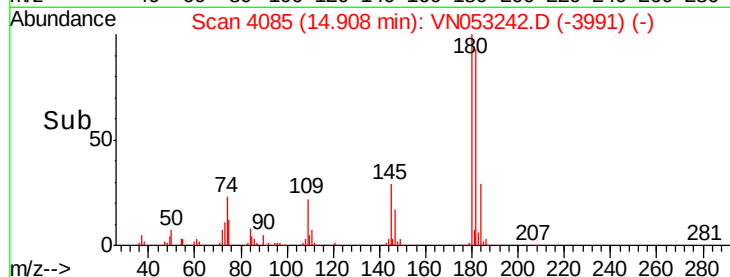
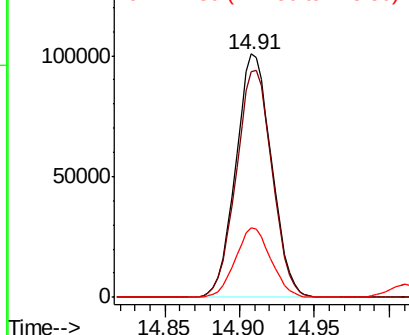
Tot Ion	Ratio	Resp	Lower	Upper
180	100	167251		
182	94.0	47.8	143.3	
145	28.4	14.2	42.6	

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 9:55:39 AM

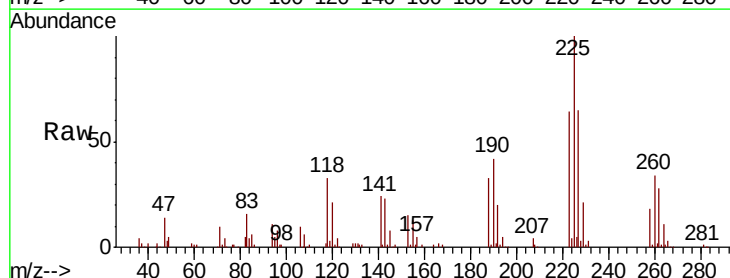


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

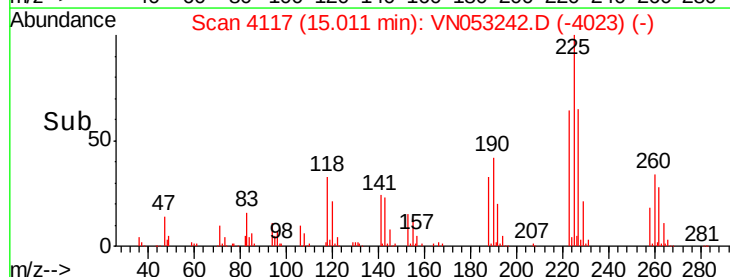
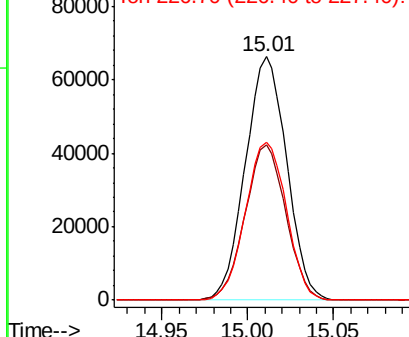


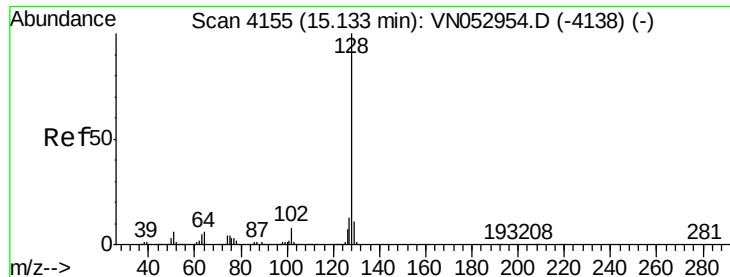
#94
 Hexachlorobutadiene
 Concen: 22.887 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053242.D
 Acq: 2 Jan 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	110621		
223	62.8	31.5	94.5	
227	64.5	31.9	95.7	



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





#95

Naphthalene

Concen: 18.517 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Instrument :

MSVOA_N

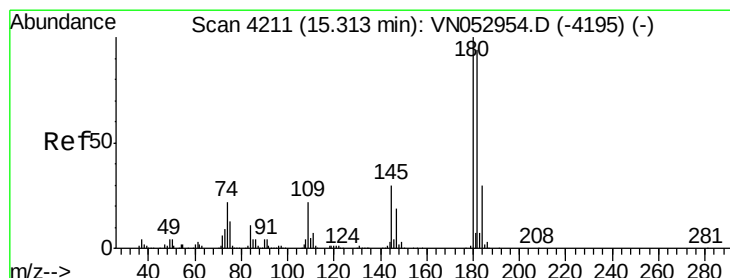
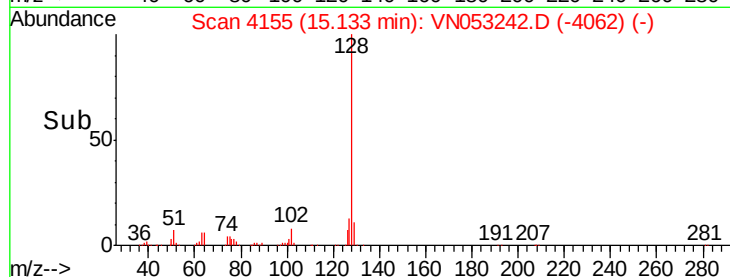
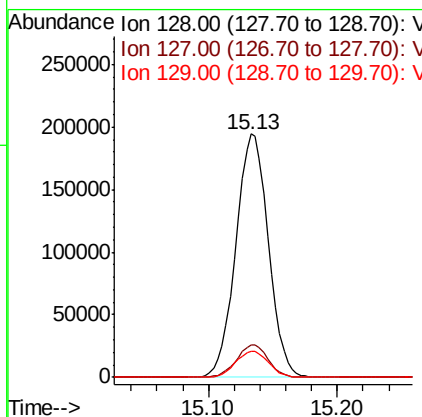
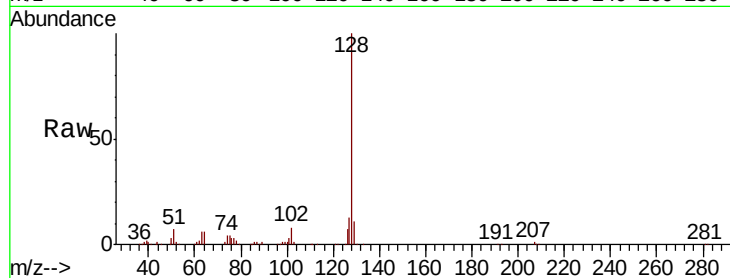
ClientSampled :

VN0102WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		340384		
127	12.9		10.2	15.4	
129	11.0		8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
1/3/2019 9:55:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.395 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053242.D

Acq: 2 Jan 2019 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		150185		
182	96.2		47.9	143.7	
145	31.4		15.0	45.0	

