

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112918\
 Data File : VN052552.D
 Acq On : 29 Nov 2018 9:18
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:11:54 AM

Quant Time: Nov 30 00:51:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1125565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1700343	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1508094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	697457	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	544543	44.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.86%	
35) Dibromofluoromethane	7.59	113	493433	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	10.09	98	1926134	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.40	95	665226	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	467798	44.387	ug/l	98
3) Chloromethane	2.06	50	582968	41.905	ug/l	100
4) Vinyl Chloride	2.19	62	624954	43.732	ug/l	99
5) Bromomethane	2.57	94	372360	41.760	ug/l	99
6) Chloroethane	2.71	64	385440	44.527	ug/l	100
7) Trichlorofluoromethane	3.02	101	806357	45.936	ug/l	100
8) Diethyl Ether	3.41	74	297689	45.922	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	523528	47.796	ug/l	99
10) Methyl Iodide	3.96	142	701015	48.052	ug/l	99
11) Tert butyl alcohol	4.77	59	145404	236.993	ug/l	99
12) 1,1-Dichloroethene	3.74	96	481951	45.710	ug/l	97
13) Acrolein	3.61	56	198197	192.980	ug/l	100
14) Allyl chloride	4.33	41	820472	45.151	ug/l	97
15) Acrylonitrile	4.98	53	854187	219.938	ug/l	100
16) Acetone	3.81	43	750733	232.247	ug/l	100
17) Carbon Disulfide	4.06	76	1420023	42.797	ug/l	100
18) Methyl Acetate	4.32	43	406657	43.858	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1298164	46.276	ug/l	100
20) Methylene Chloride	4.55	84	545434	43.119	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	522348	46.387	ug/l	97
22) Diisopropyl ether	5.95	45	1728057	45.272	ug/l	99
23) Vinyl Acetate	5.89	43	5426755	228.257	ug/l	99
24) 1,1-Dichloroethane	5.85	63	990964	45.469	ug/l	99
25) 2-Butanone	6.83	43	1043196	227.688	ug/l	98
26) 2,2-Dichloropropane	6.82	77	740994	49.121	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	606982	46.273	ug/l	98
28) Bromochloromethane	7.19	49	427365	42.932	ug/l	95
29) Tetrahydrofuran	7.21	42	625657	211.716	ug/l	97
30) Chloroform	7.37	83	974243	44.805	ug/l	98
31) Cyclohexane	7.65	56	956773	45.322	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	807169	46.853	ug/l	99
36) 1,1-Dichloropropene	7.79	75	771828	48.069	ug/l	99
37) Ethyl Acetate	6.92	43	439900	44.891	ug/l	99
38) Carbon Tetrachloride	7.77	117	702689	48.342	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	972734	49.842	ug/l	99
40) Benzene	8.04	78	2273492	47.511	ug/l	99
41) Methacrylonitrile	7.17	41	227214	42.411	ug/l	94
42) 1,2-Dichloroethane	8.12	62	694613	47.940	ug/l	100
43) Isopropyl Acetate	8.16	43	775740	46.778	ug/l	100
44) Trichloroethene	8.83	130	597723	48.765	ug/l	99
45) 1,2-Dichloropropane	9.12	63	604306	47.500	ug/l	100
46) Dibromomethane	9.21	93	338692	48.091	ug/l	98
47) Bromodichloromethane	9.40	83	736358	48.089	ug/l	99
48) Methyl methacrylate	9.20	41	400351	46.299	ug/l	98
49) 1,4-Dioxane	9.20	88	92856	1034.699	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2165036	232.687	ug/l	99
52) Toluene	10.16	92	1403175	49.353	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	736841	50.021	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	880229	49.863	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	484507	48.447	ug/l	99
56) Ethyl methacrylate	10.43	69	619764	44.918	ug/l	99
57) 1,3-Dichloropropane	10.71	76	840552	47.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1739252	239.672	ug/l	98
59) 2-Hexanone	10.75	43	1543229	247.125	ug/l	99
60) Dibromochloromethane	10.90	129	537477	49.483	ug/l	100
61) 1,2-Dibromoethane	11.01	107	480094	48.334	ug/l	99
64) Tetrachloroethene	10.63	164	575283	49.200	ug/l	99
65) Chlorobenzene	11.43	112	1542196	49.593	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	533853	49.374	ug/l	100
67) Ethyl Benzene	11.51	91	2726069	50.060	ug/l	99
68) m/p-Xylenes	11.62	106	2049669	101.105	ug/l	100
69) o-Xylene	11.95	106	995336	50.559	ug/l	100
70) Styrene	11.96	104	1630349	51.995	ug/l	99
71) Bromoform	12.13	173	356052	49.733	ug/l #	100
73) Isopropylbenzene	12.25	105	2669479	48.785	ug/l	99
74) N-amyl acetate	12.07	43	661537	47.853	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	561948	45.145	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	480676m	44.693	ug/l	
77) Bromobenzene	12.53	156	658087	48.656	ug/l	97
78) n-propylbenzene	12.59	91	3100539	49.877	ug/l	99
79) 2-Chlorotoluene	12.68	91	1784910	48.216	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2166547	49.644	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	156506	48.596	ug/l	100
82) 4-Chlorotoluene	12.77	91	1816157	48.679	ug/l	99
83) tert-Butylbenzene	12.99	119	1905626	48.980	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2196663	50.226	ug/l	100
85) sec-Butylbenzene	13.17	105	2630372	49.638	ug/l	100
86) p-Isopropyltoluene	13.29	119	2282500	50.571	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1166757	49.316	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1148656	49.291	ug/l	100
89) n-Butylbenzene	13.62	91	1977595	52.685	ug/l	100
90) Hexachloroethane	13.88	117	367239	48.054	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1100589	48.691	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83510	46.908	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	600795	48.604	ug/l	100
94) Hexachlorobutadiene	15.01	225	357186	49.121	ug/l	99
95) Naphthalene	15.13	128	1217134	46.601	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	547701	48.212	ug/l	99

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

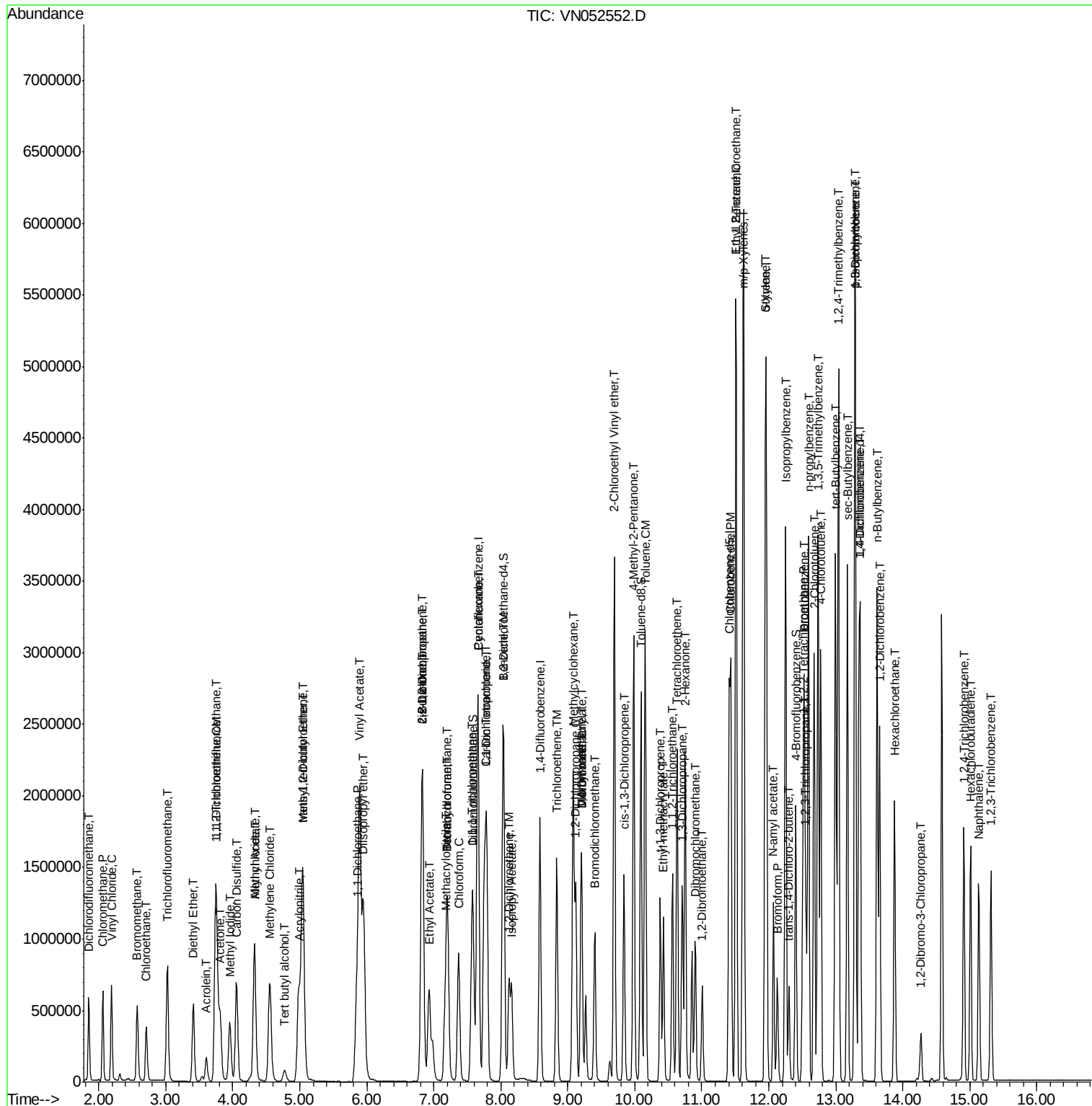
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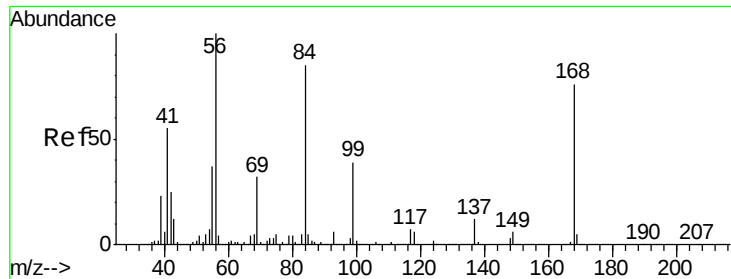
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 1125565

Ion Ratio Lower Upper

168 100

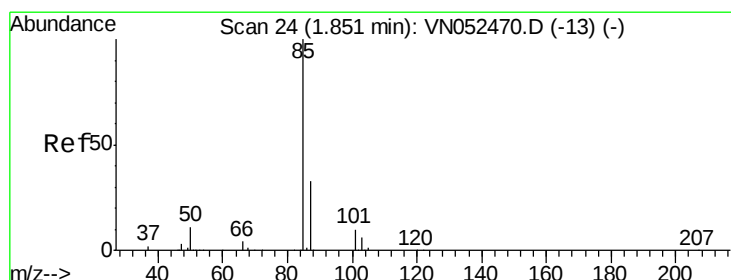
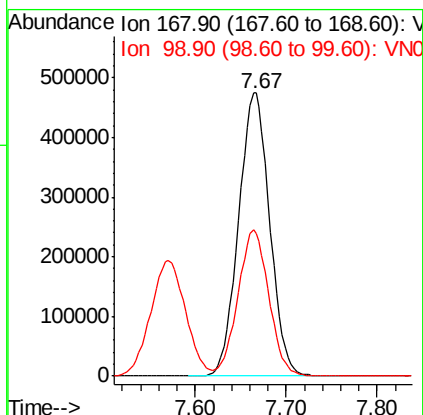
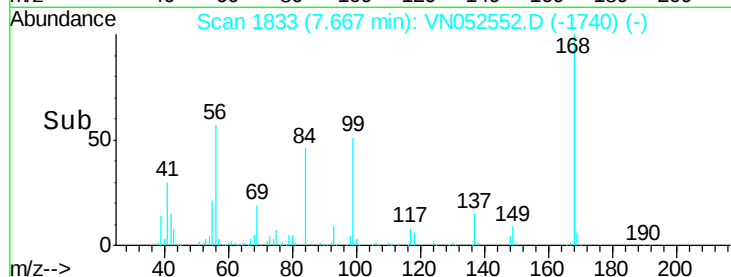
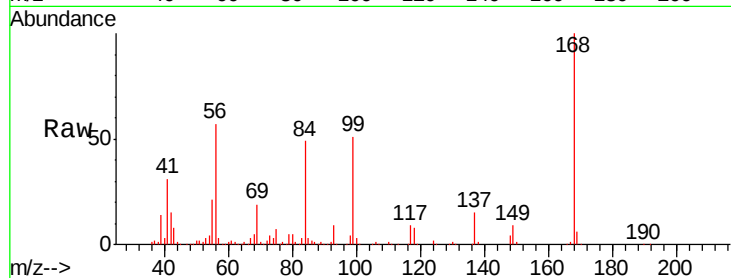
99 50.5 41.7 62.5

Manual Integrations

APPROVED

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11/30/2018 11:11:54 AM



#2

Dichlorodifluoromethane

Concen: 44.387 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052552.D

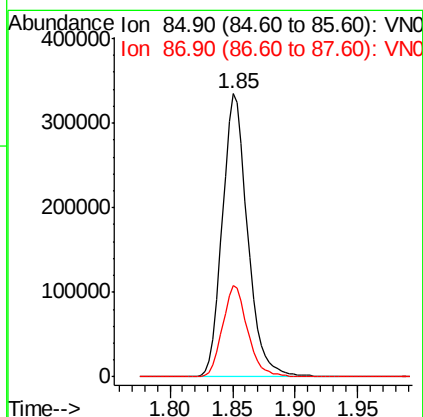
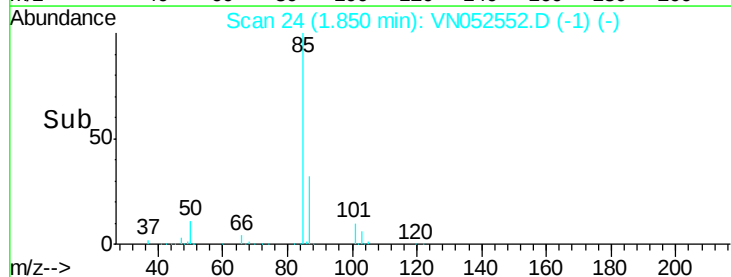
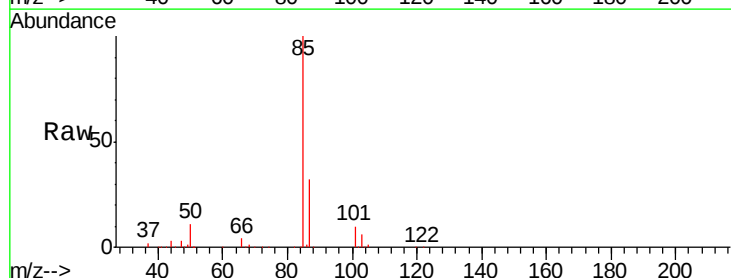
Acq: 29 Nov 2018 9:18

Tgt Ion: 85 Resp: 467798

Ion Ratio Lower Upper

85 100

87 32.3 16.7 50.1





#3

Chloromethane

Concen: 41.905 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 582968

Ion Ratio Lower Upper

50 100

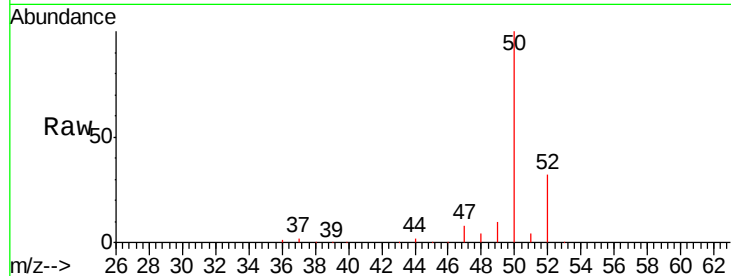
52 32.2 25.9 38.9

Manual Integrations

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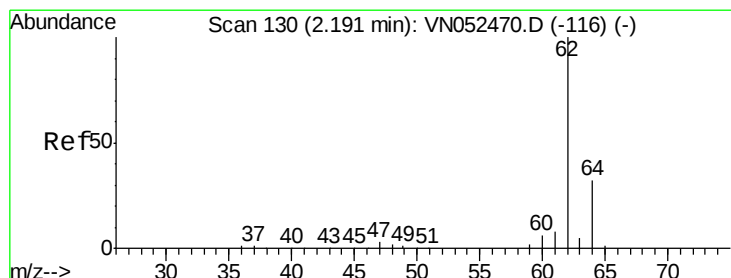
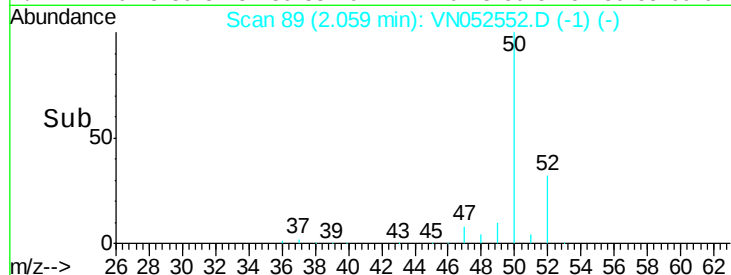
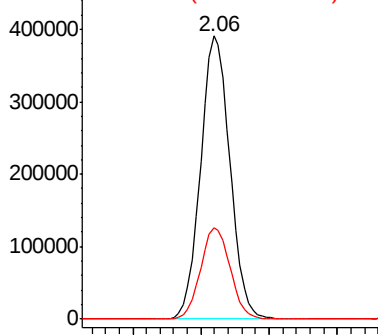
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 43.732 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052552.D

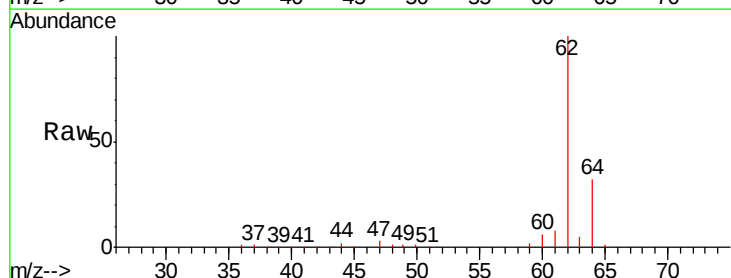
Acq: 29 Nov 2018 9:18

Tgt Ion: 62 Resp: 624954

Ion Ratio Lower Upper

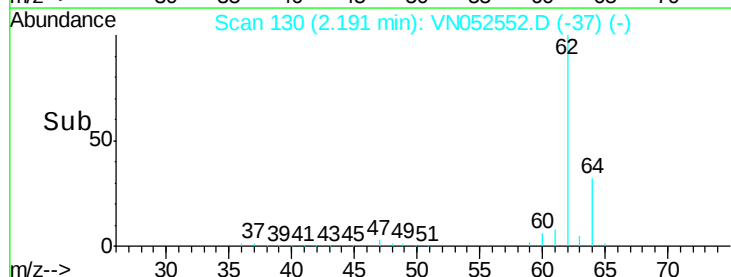
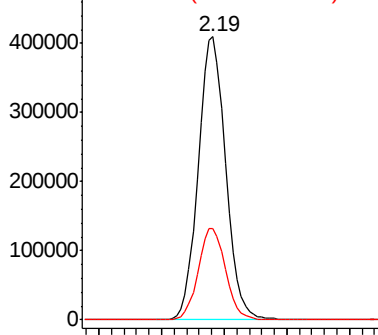
62 100

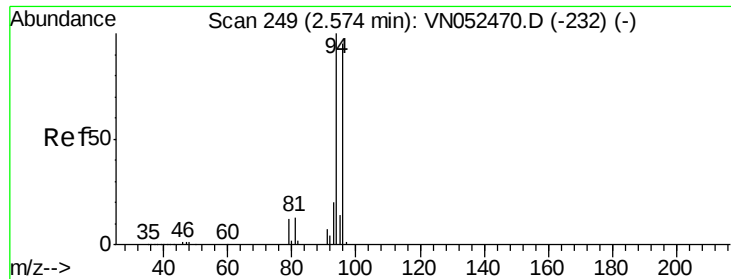
64 32.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 41.760 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

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VSTDCCC050

Tgt Ion: 94 Resp: 372360

Ion Ratio Lower Upper

94 100

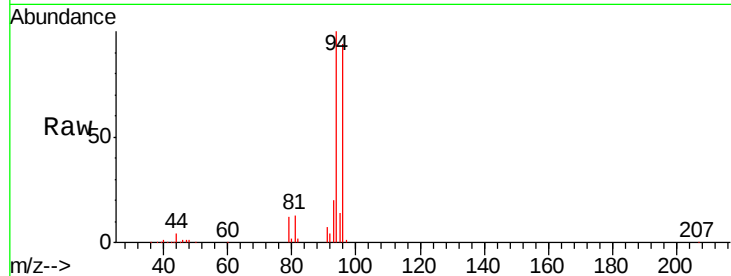
96 93.9 75.8 113.8

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

200000

2.57

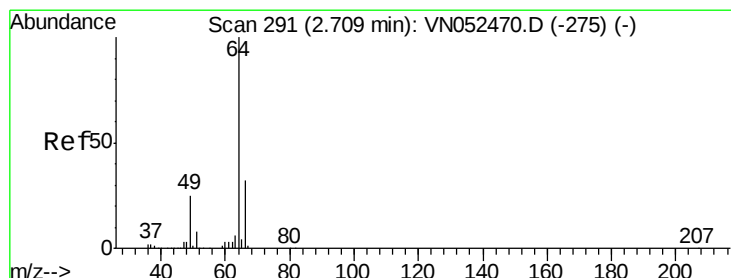
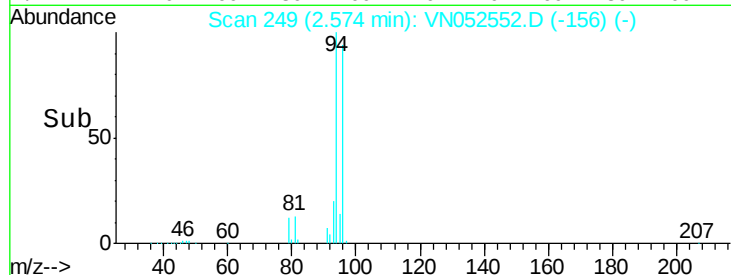
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 44.527 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052552.D

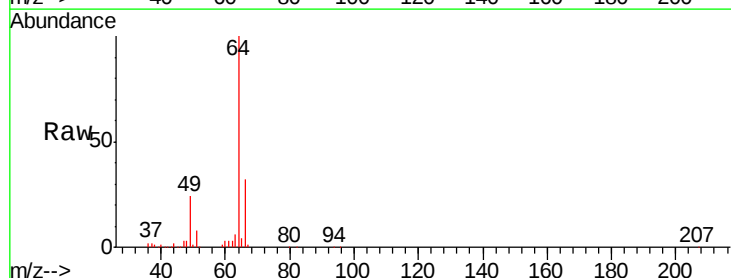
Acq: 29 Nov 2018 9:18

Tgt Ion: 64 Resp: 385440

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

200000

2.71

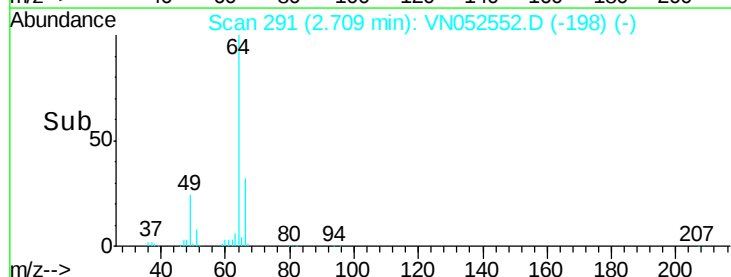
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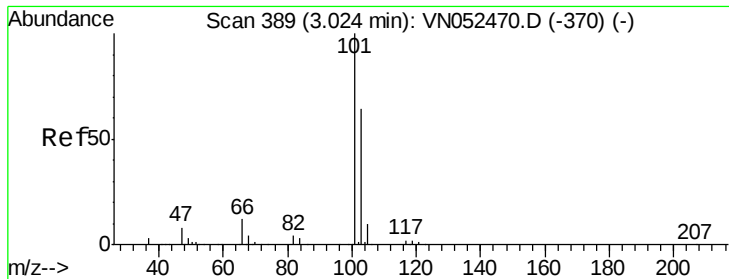
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Time-->





#7

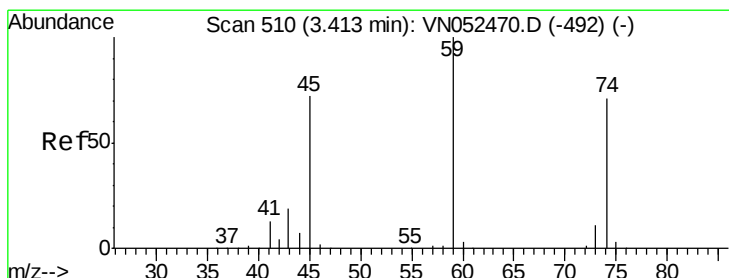
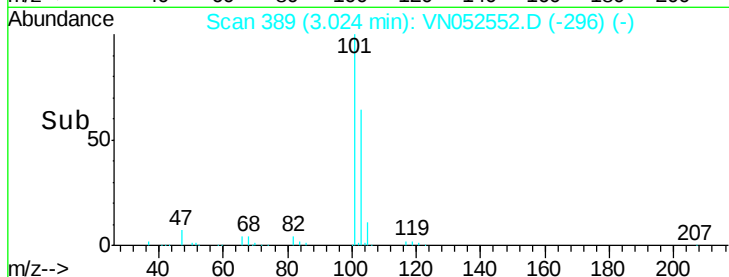
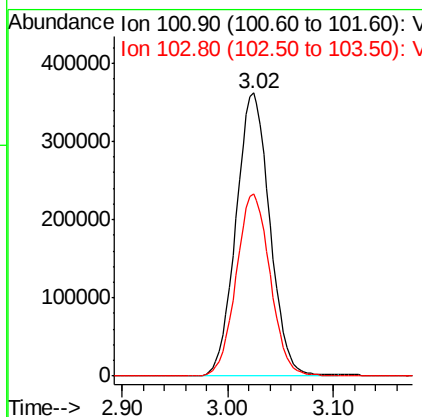
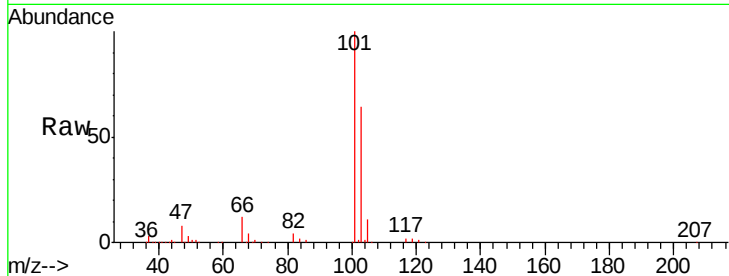
Trichlorofluoromethane
 Concen: 45.936 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

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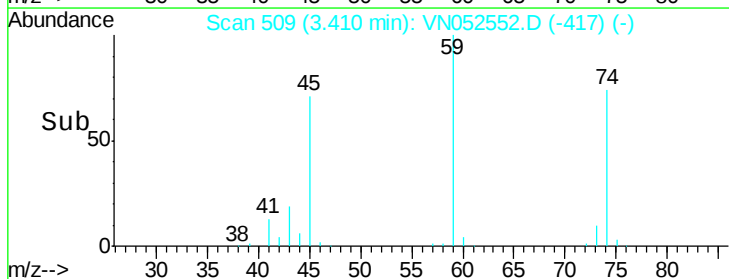
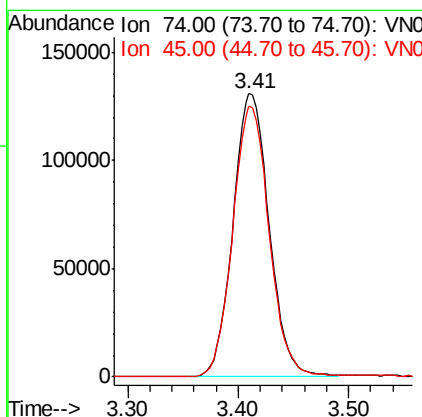
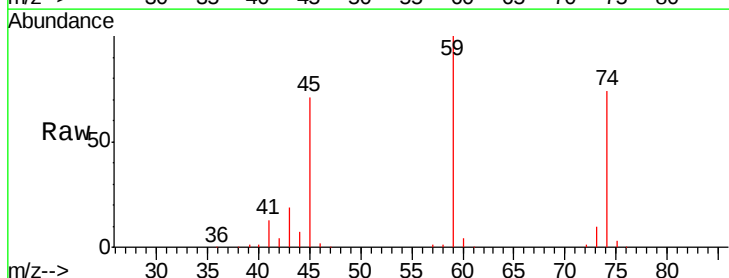
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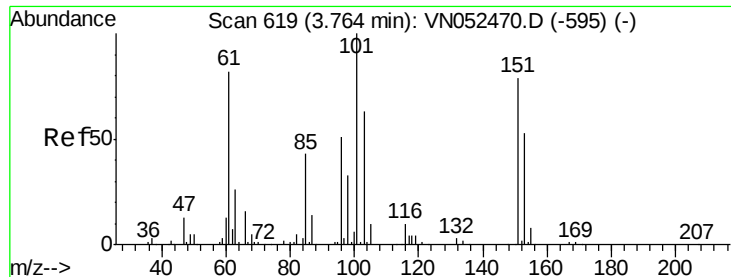


#8

Diethyl Ether
 Concen: 45.922 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.796 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

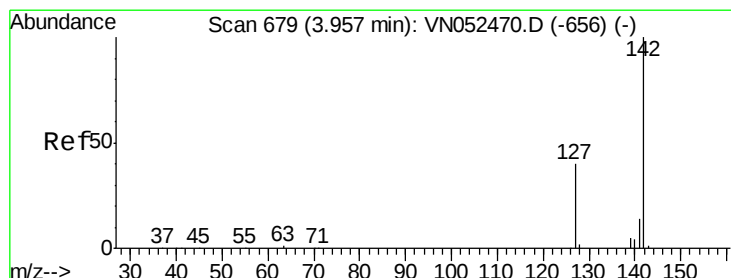
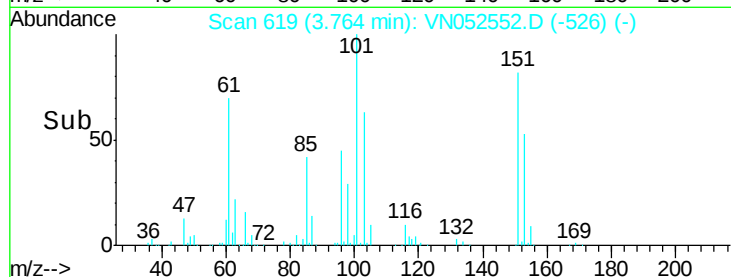
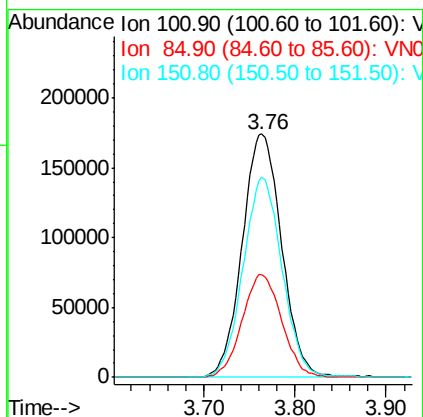
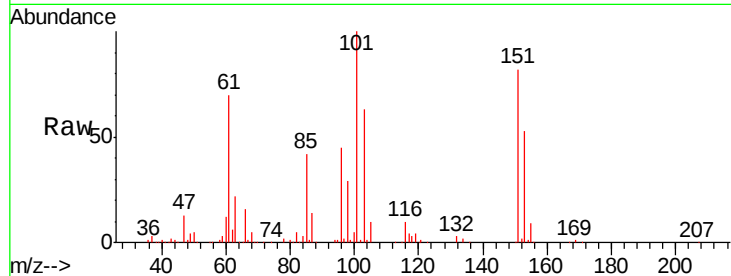
ClientSampleId :

VSTDCCC050

Tgt	Ion	101	Resp:	523528
Ion	Ratio	Lower	Upper	
101	100			
85	42.4	34.2	51.4	
151	82.0	64.6	96.8	

Manual Integrations
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#10

Methyl Iodide

Concen: 48.052 ug/l

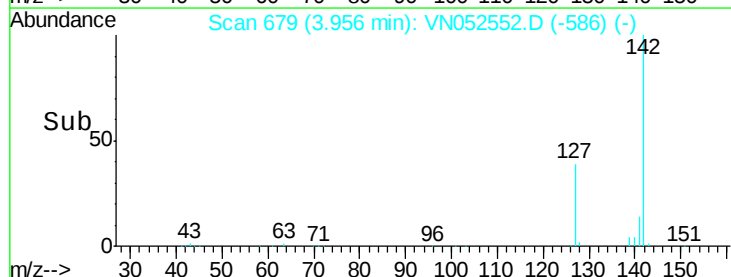
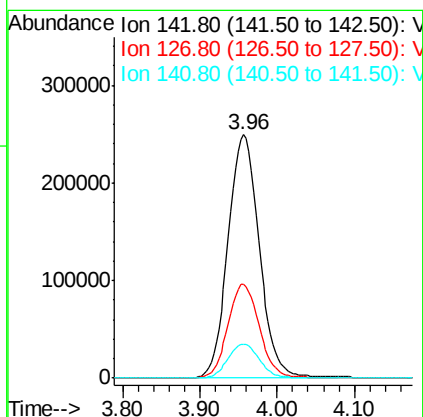
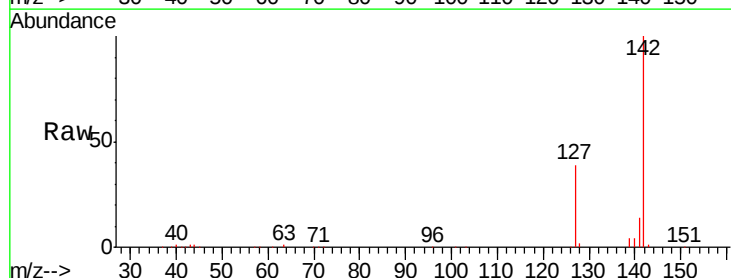
RT: 3.96 min Scan# 679

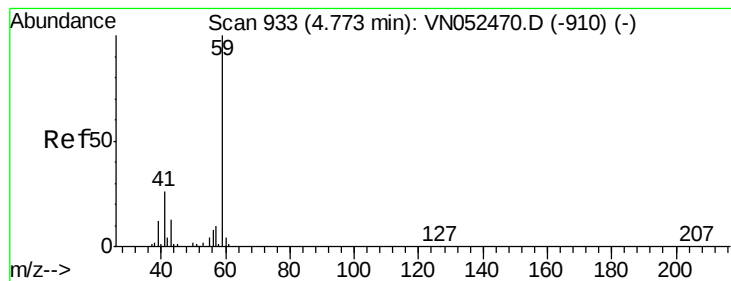
Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Tgt	Ion	142	Resp:	701015
Ion	Ratio	Lower	Upper	
142	100			
127	38.8	31.8	47.6	
141	14.1	11.4	17.0	





#11

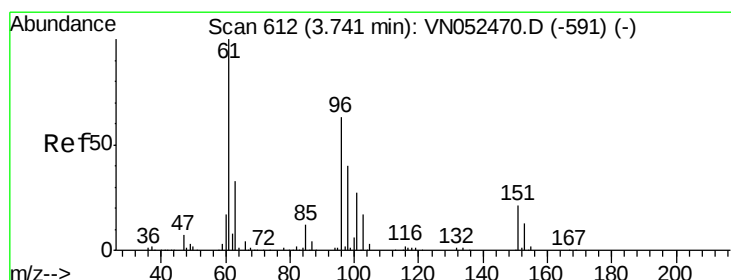
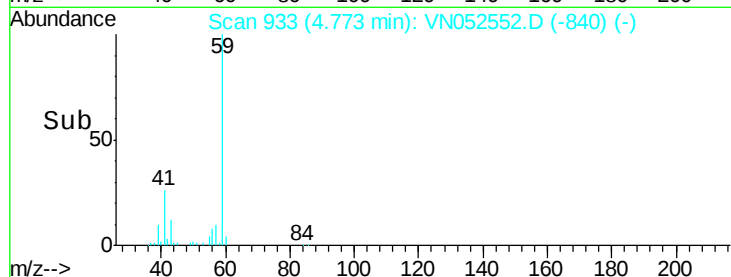
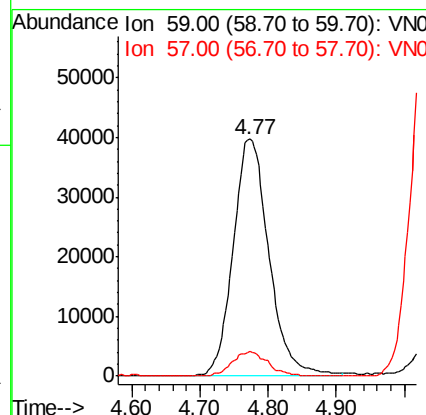
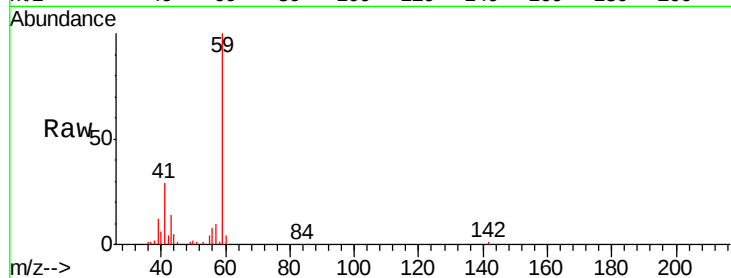
Tert butyl alcohol
 Concen: 236.993 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.9	11.9

Manual Integrations
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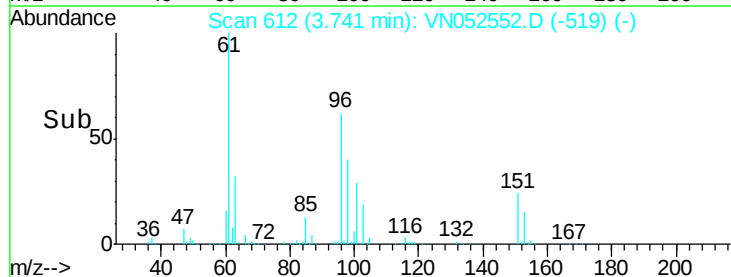
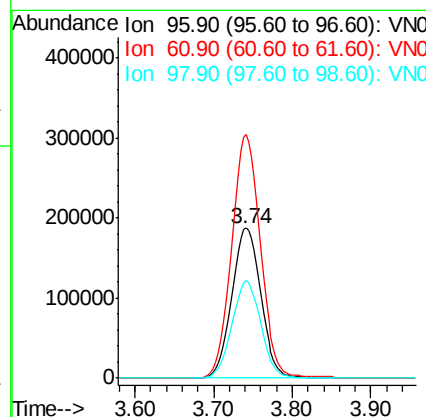
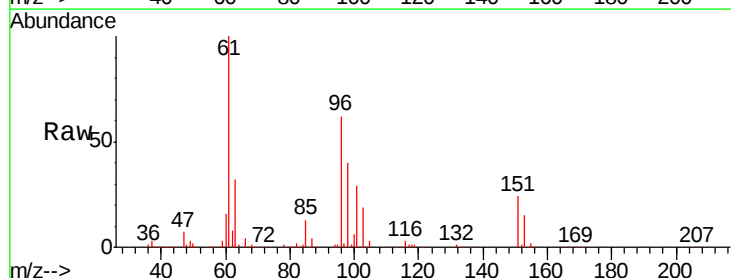
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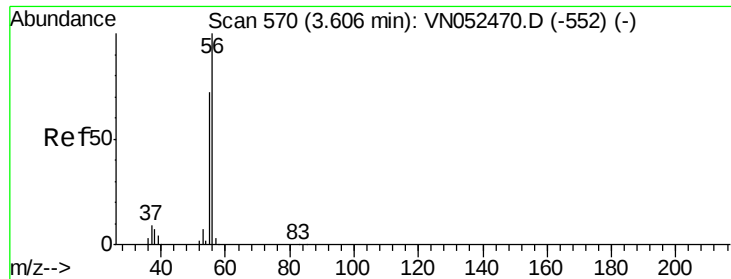


#12

1,1-Dichloroethene
 Concen: 45.710 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.5	127.0	190.6
98	65.3	50.3	75.5





#13

Acrolein

Concen: 192.980 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 198197

Ion Ratio Lower Upper

56 100

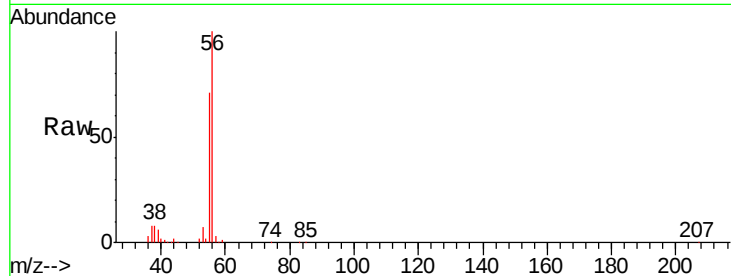
55 70.9 56.8 85.2

Manual Integrations

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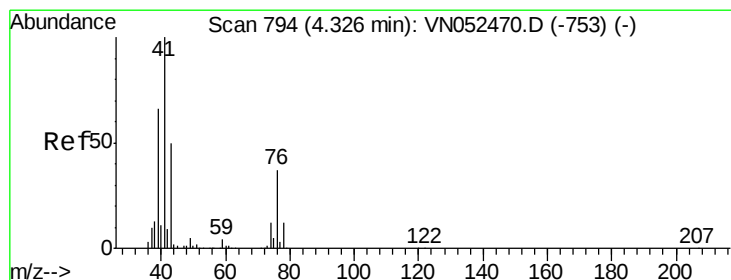
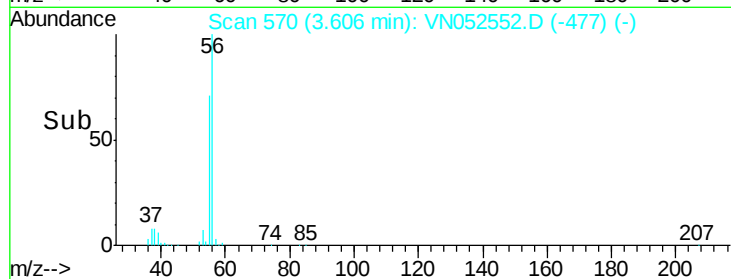
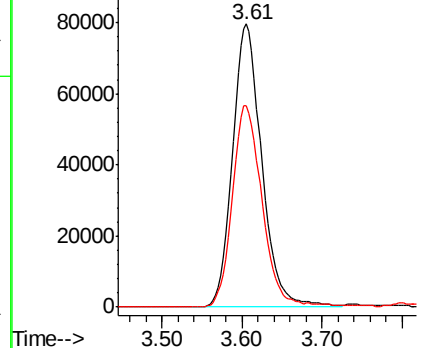
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.151 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

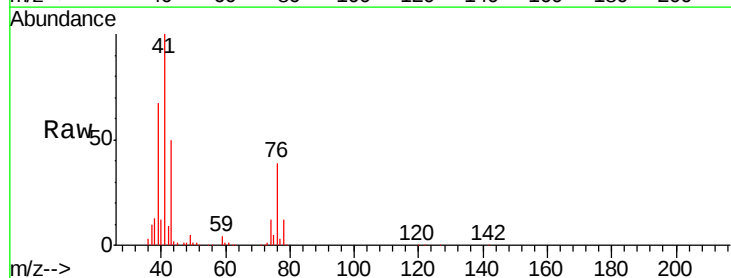
Tgt Ion: 41 Resp: 820472

Ion Ratio Lower Upper

41 100

39 65.3 50.6 76.0

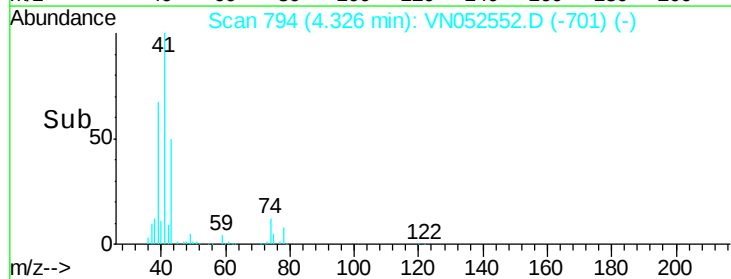
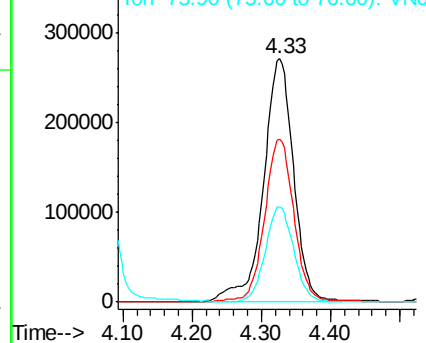
76 35.9 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 219.938 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

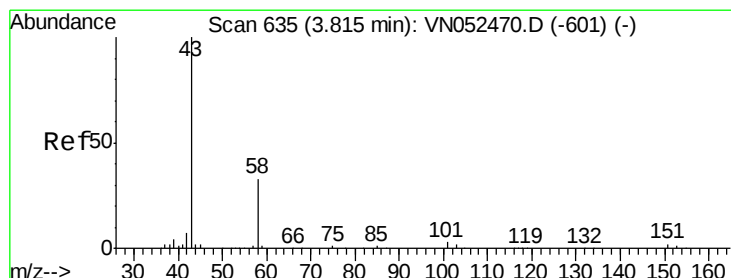
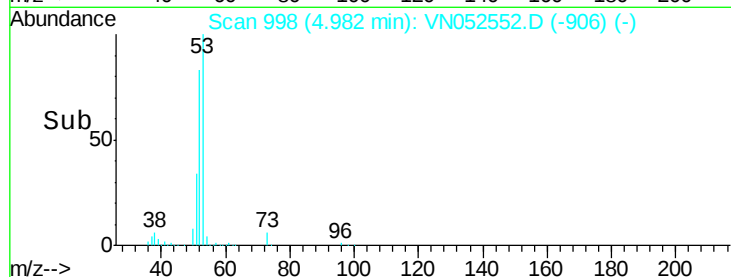
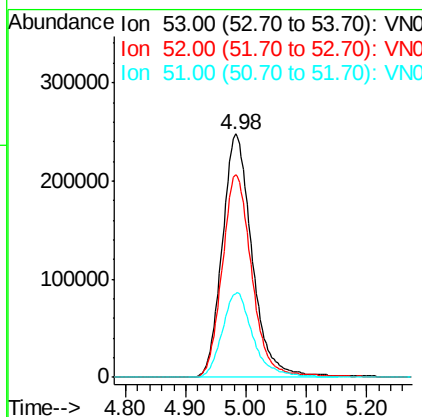
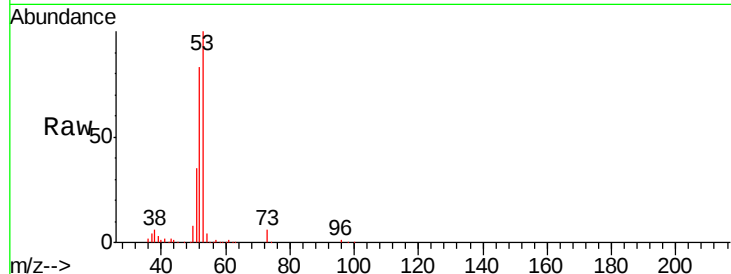
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	854187
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	35.9	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 232.247 ug/l

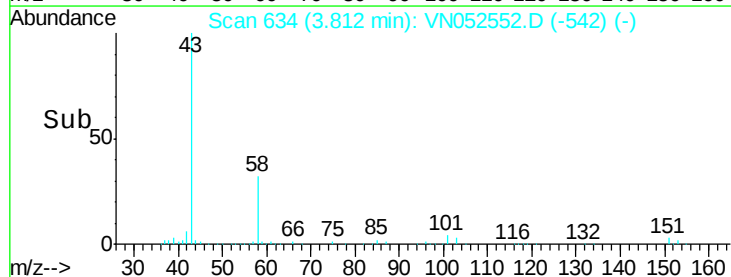
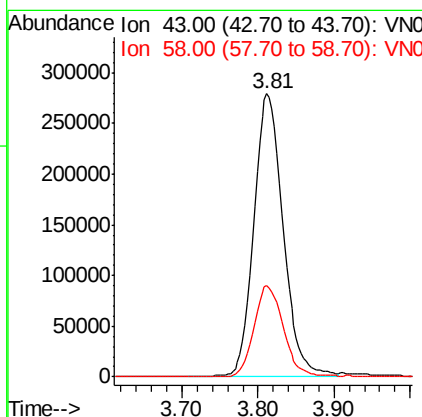
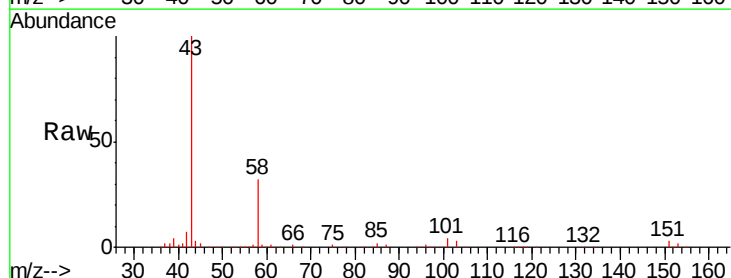
RT: 3.81 min Scan# 634

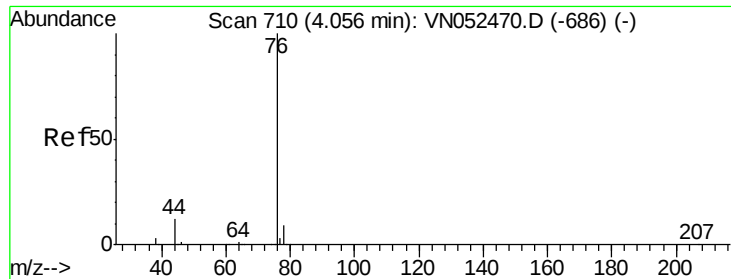
Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Tgt Ion:	43	Resp:	750733
Ion	Ratio	Lower	Upper
43	100		
58	32.4	26.0	39.0





#17

Carbon Disulfide

Concen: 42.797 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 1420023

Ion Ratio Lower Upper

76 100

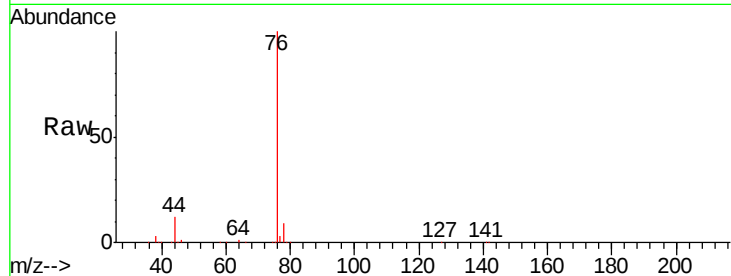
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

600000

500000

400000

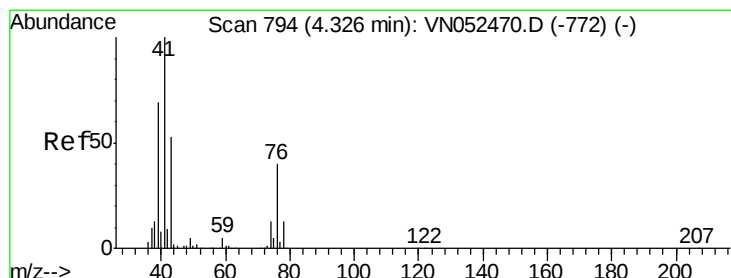
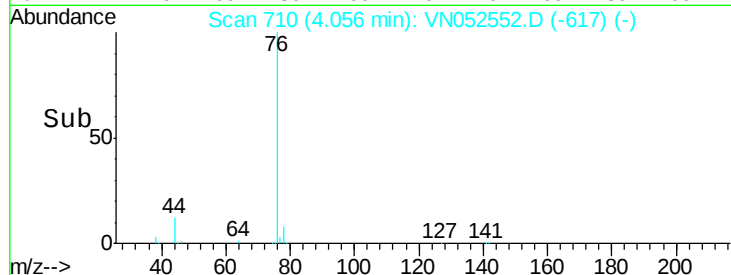
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 43.858 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052552.D

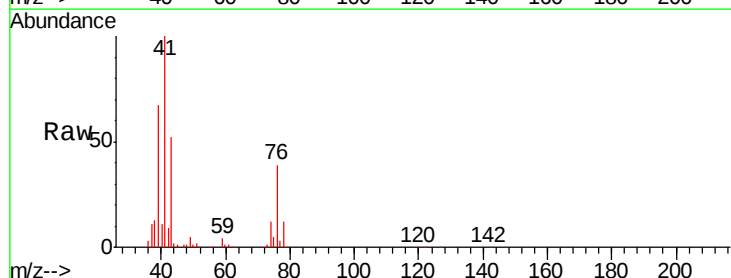
Acq: 29 Nov 2018 9:18

Tgt Ion: 43 Resp: 406657

Ion Ratio Lower Upper

43 100

74 23.5 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

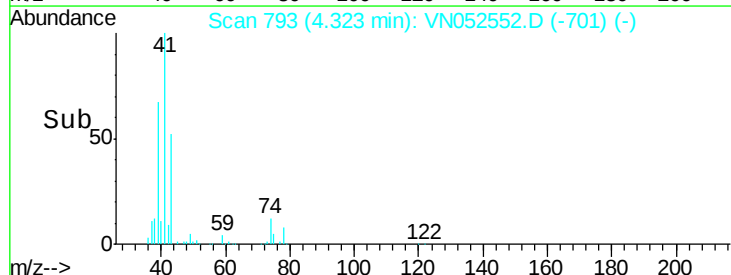
150000

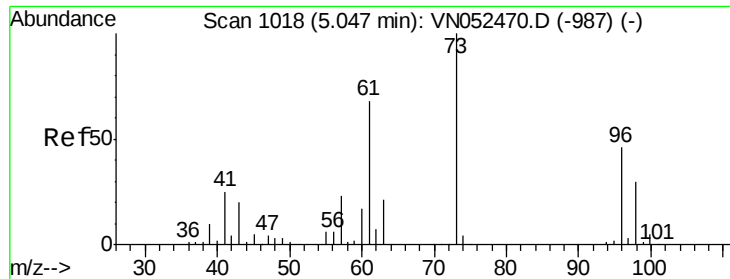
100000

50000

0

Time--> 4.20 4.30 4.40 4.50





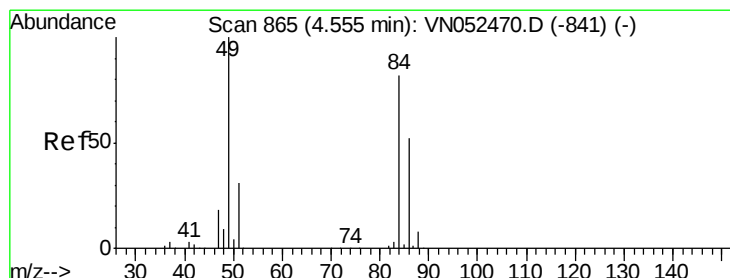
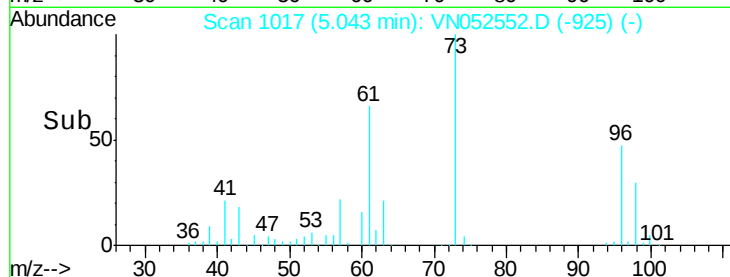
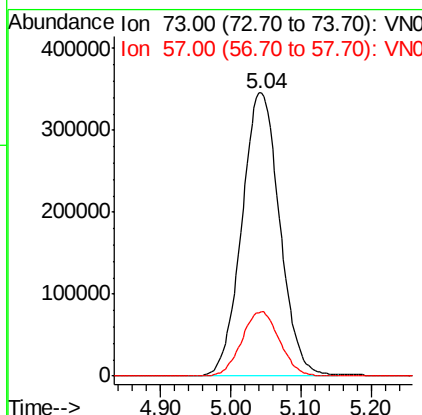
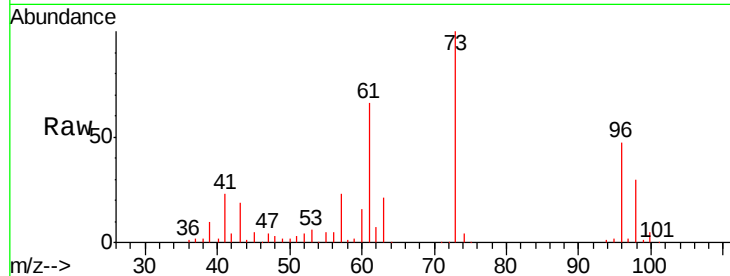
#19
Methyl tert-butyl Ether
Concen: 46.276 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1298164
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.2

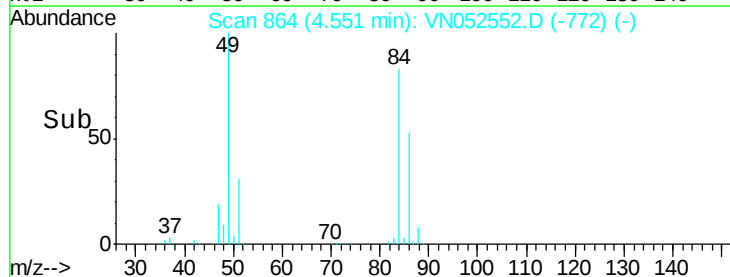
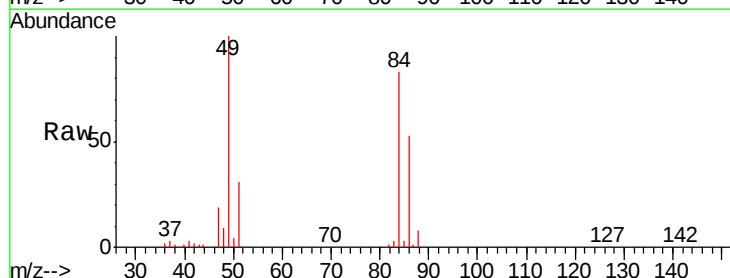
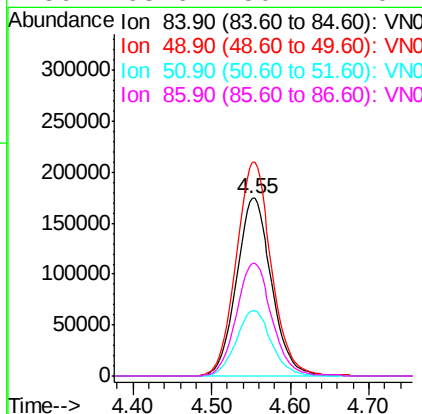
Manual Integrations
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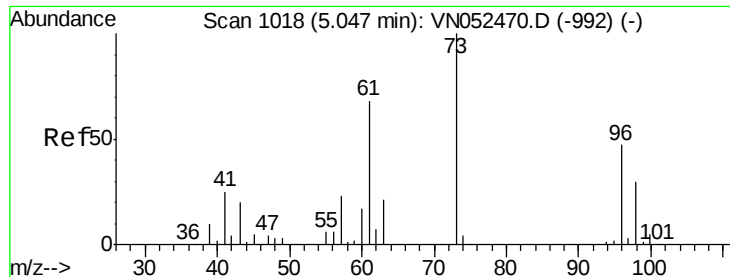
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#20
Methylene Chloride
Concen: 43.119 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion: 84 Resp: 545434
Ion Ratio Lower Upper
84 100
49 120.1 98.0 147.0
51 37.0 30.1 45.1
86 63.6 50.7 76.1





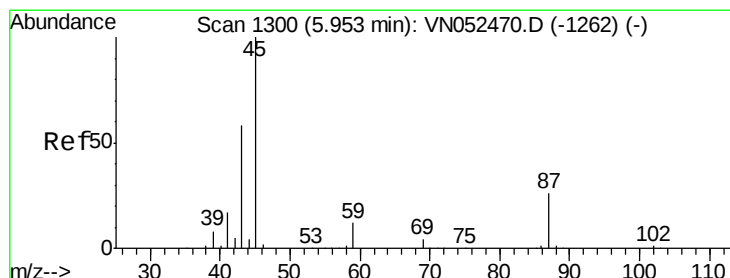
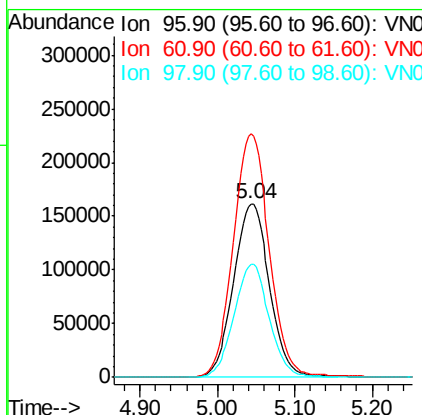
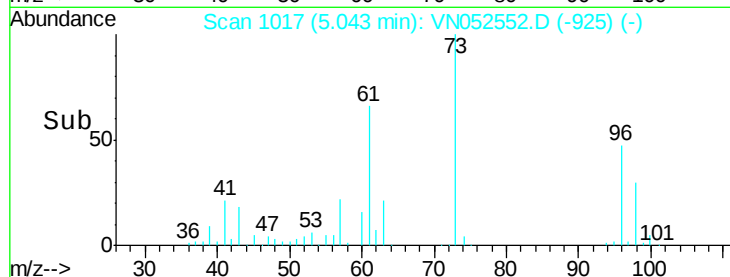
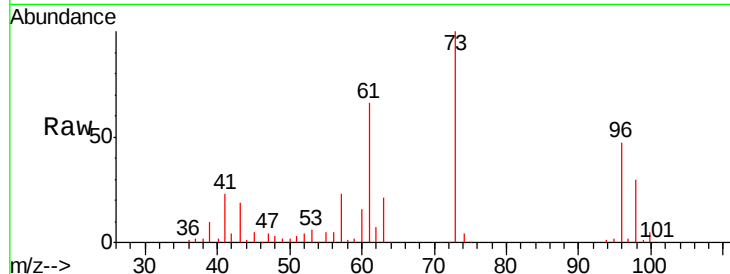
#21
trans-1,2-Dichloroethene
Concen: 46.387 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.1	117.0	175.4
98	64.9	51.8	77.6

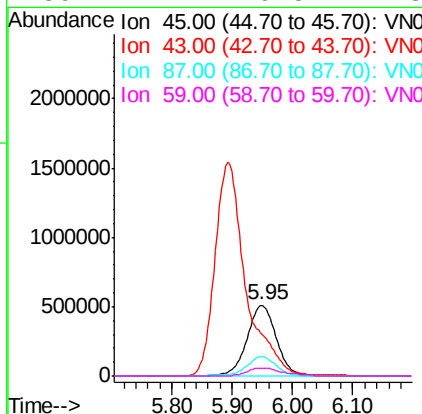
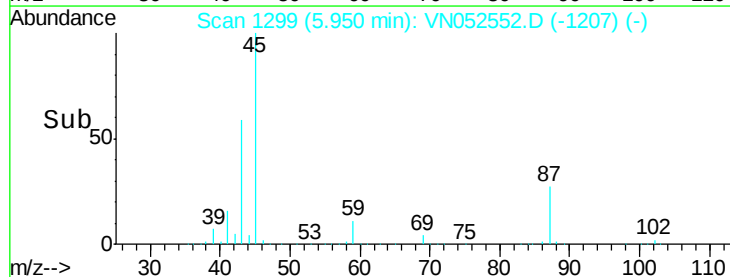
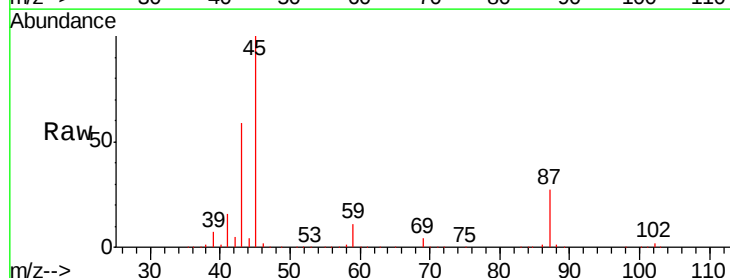
Manual Integrations
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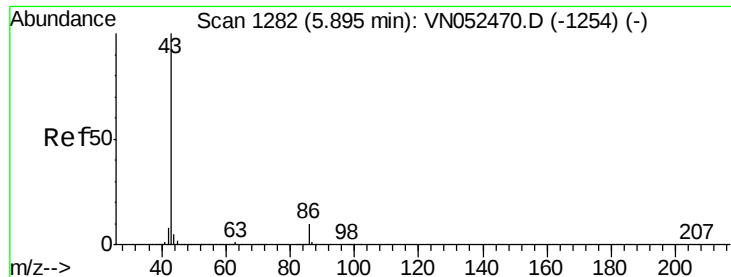
MMDadoda
11/30/2018 11:11:54 AM



#22
Diisopropyl ether
Concen: 45.272 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	46.1	69.1
87	27.2	21.3	31.9
59	11.2	9.5	14.3





#23

Vinyl Acetate

Concen: 228.257 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 5426755

Ion Ratio Lower Upper

43 100

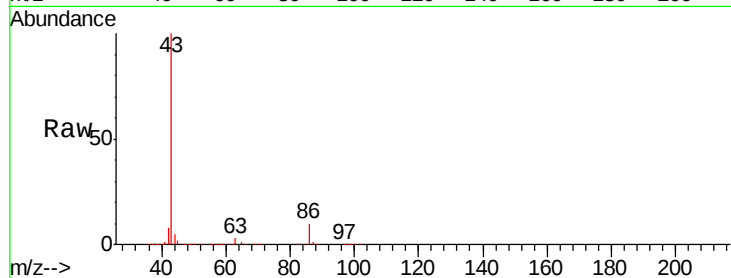
86 10.1 7.8 11.8

Manual Integrations

APPROVED

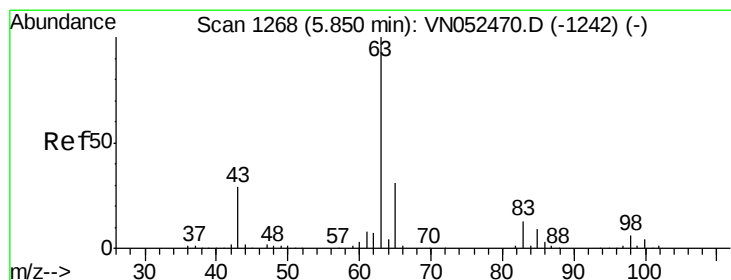
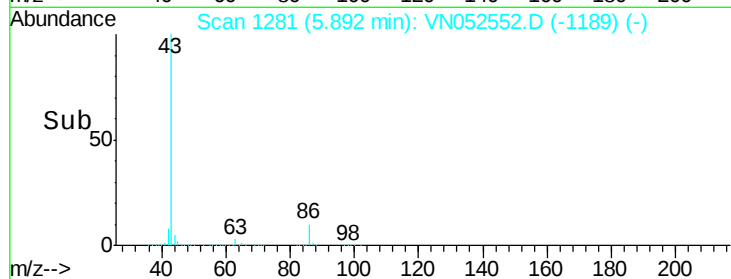
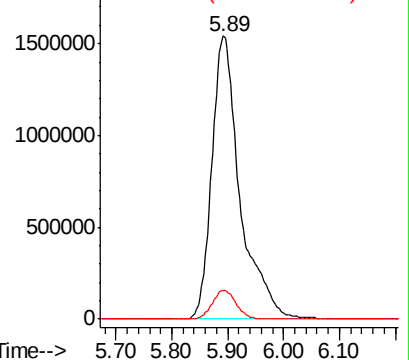
MMDadoda

11/30/2018 11:11:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.469 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

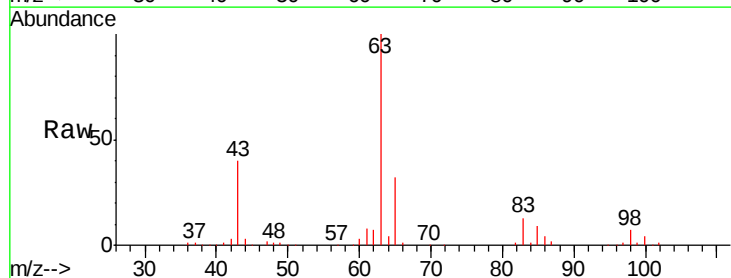
Tgt Ion: 63 Resp: 990964

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

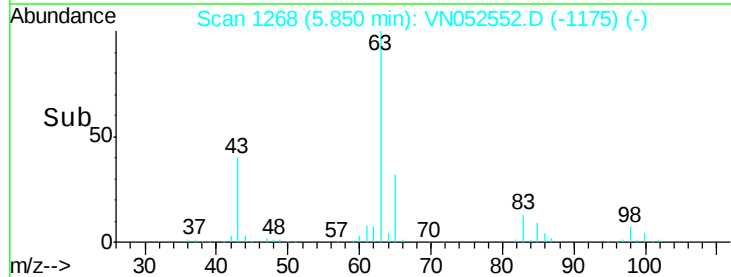
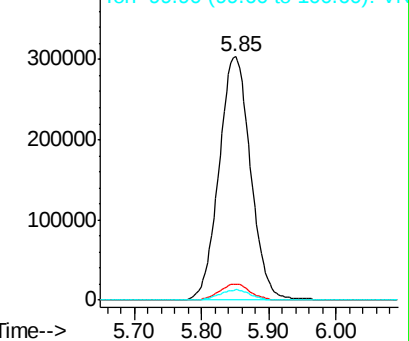
100 4.2 2.0 5.8

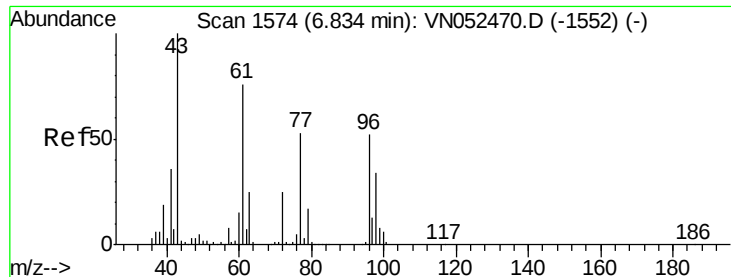


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





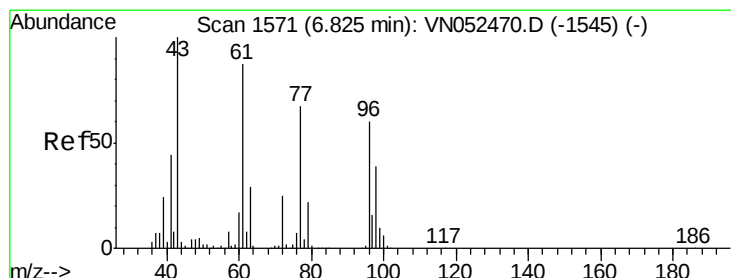
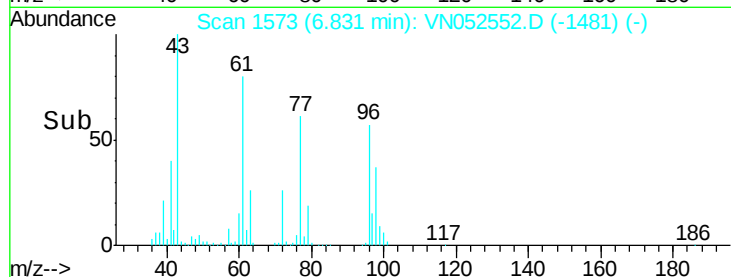
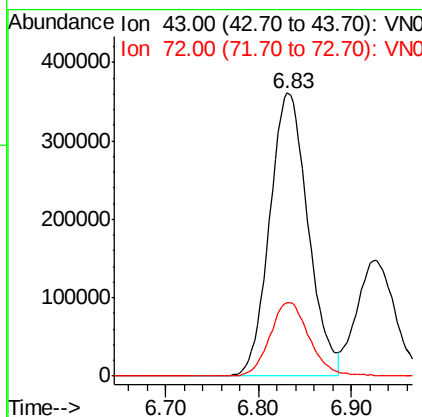
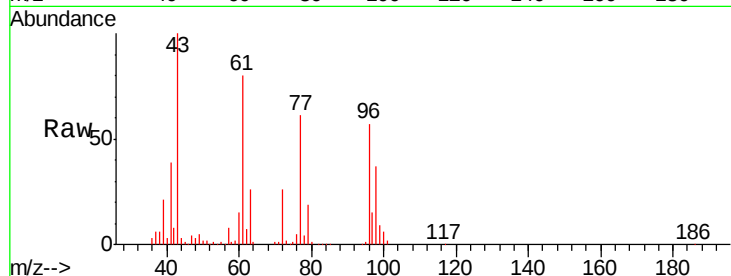
#25
2-Butanone
Concen: 227.688 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1043196
Ion Ratio Lower Upper
43 100
72 26.1 20.1 30.1

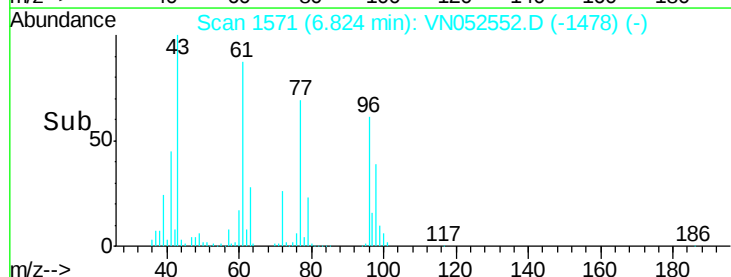
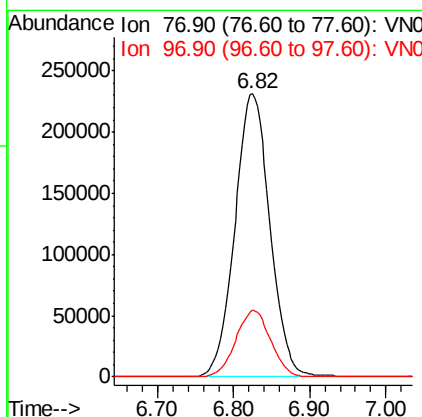
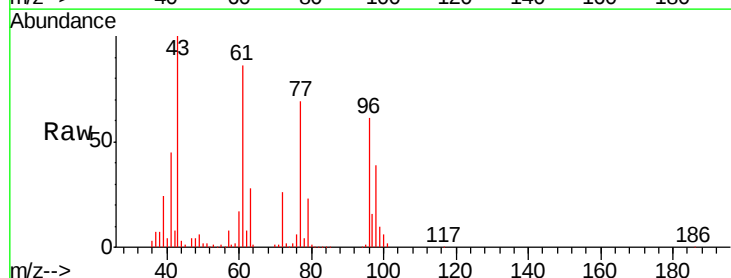
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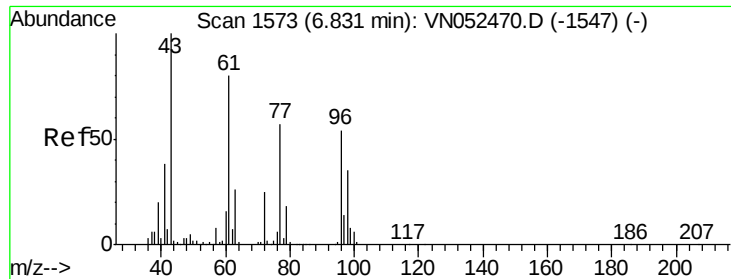
MMDadoda
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#26
2,2-Dichloropropane
Concen: 49.121 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion: 77 Resp: 740994
Ion Ratio Lower Upper
77 100
97 23.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 46.273 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

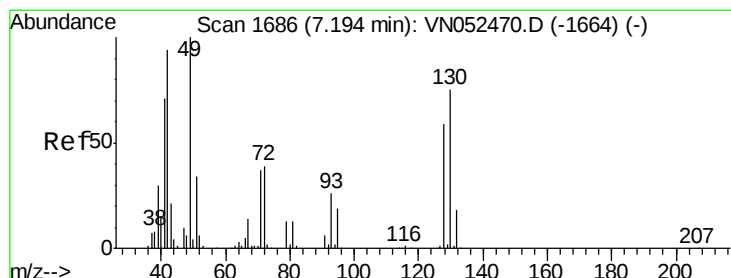
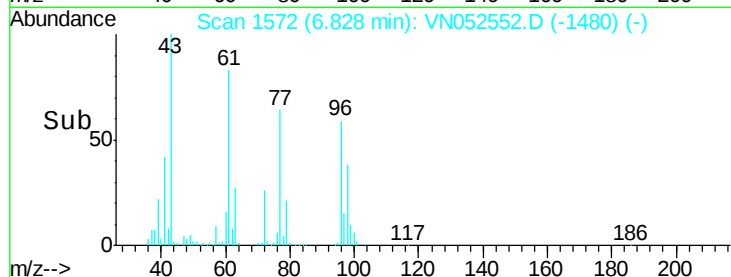
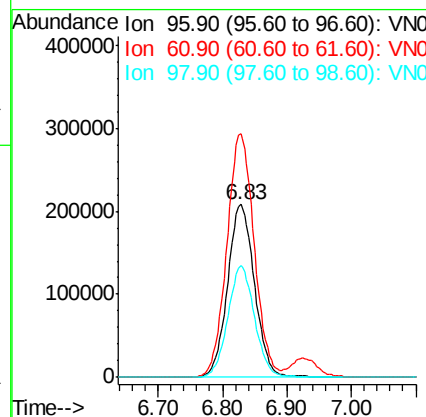
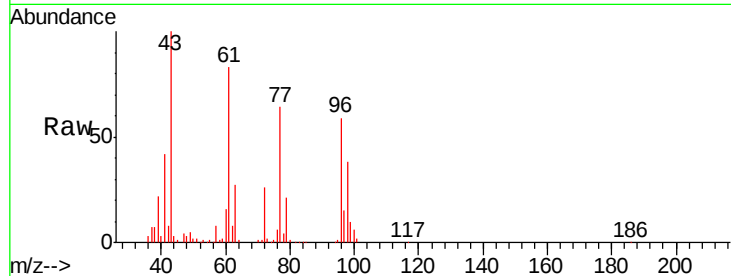
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	606982
Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	291.0
98	64.1	0.0	130.0

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#28

Bromochloromethane

Concen: 42.932 ug/l

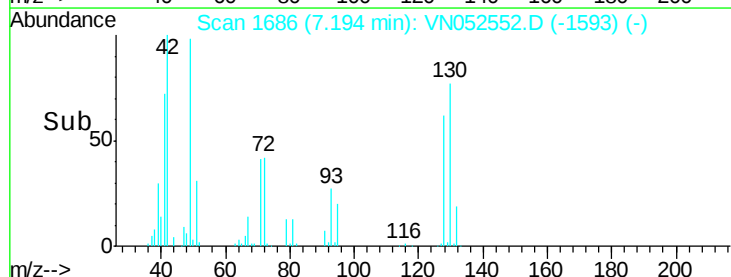
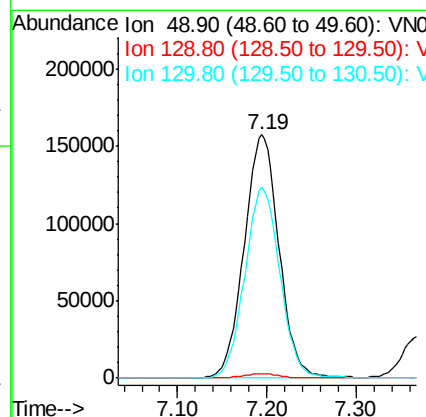
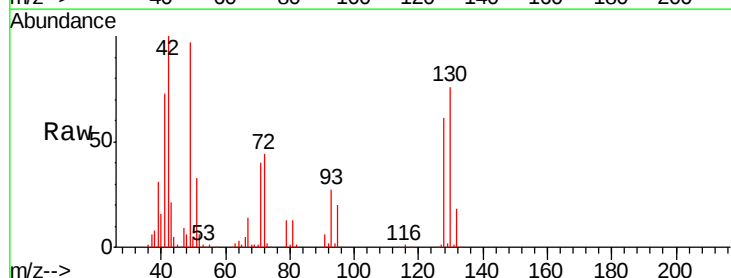
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Tgt Ion:	49	Resp:	427365
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	79.3	60.2	90.2





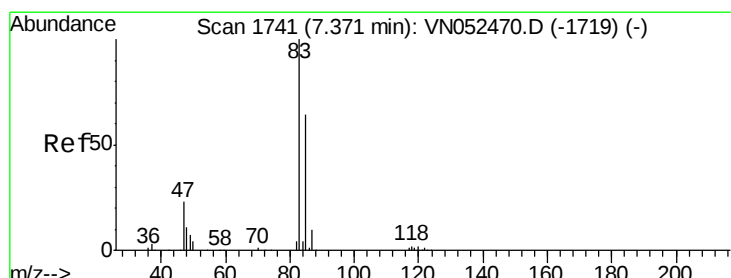
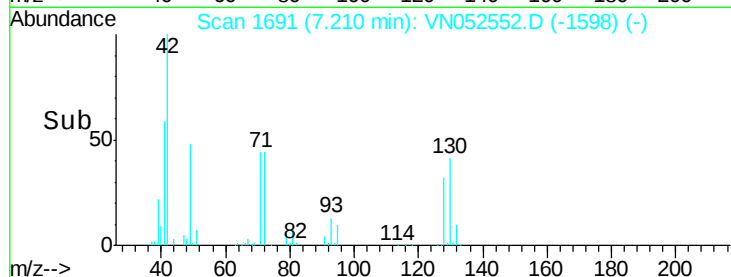
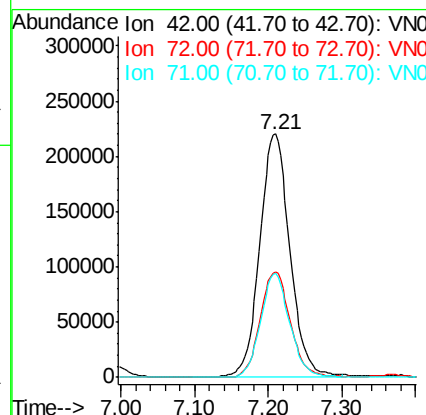
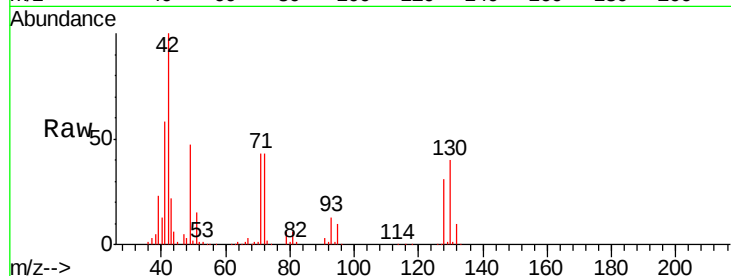
#29
Tetrahydrofuran
Concen: 211.716 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.6	33.3	49.9
71	41.4	32.0	48.0

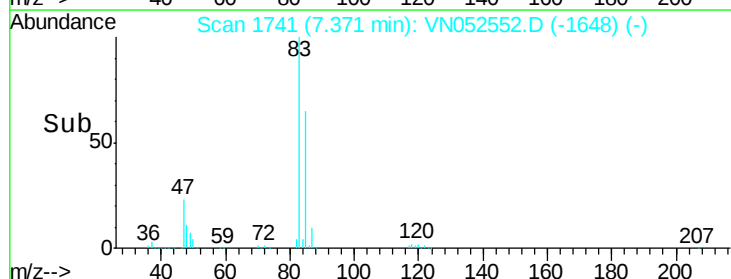
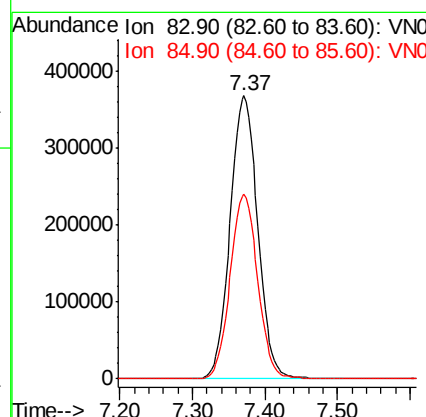
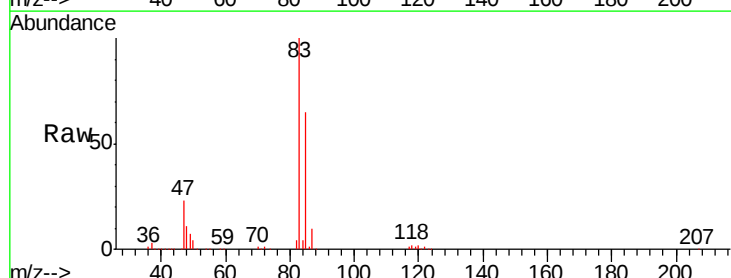
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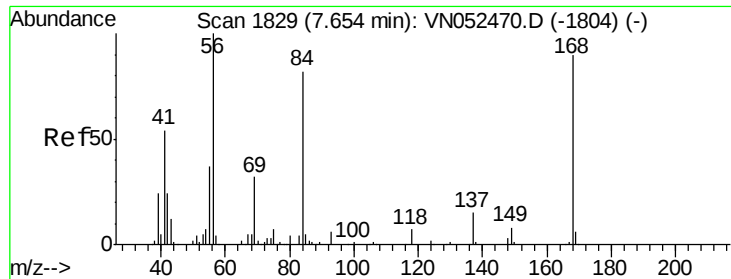
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#30
Chloroform
Concen: 44.805 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.0	76.4





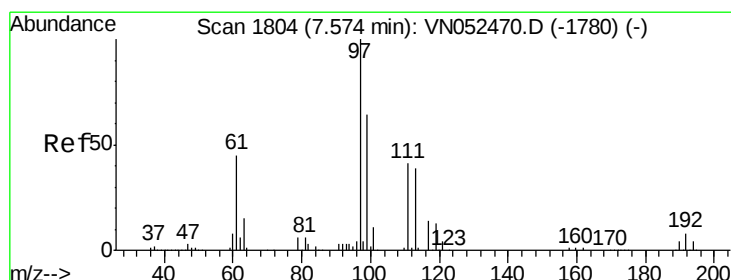
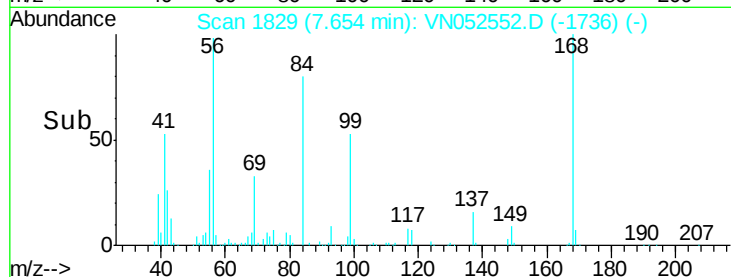
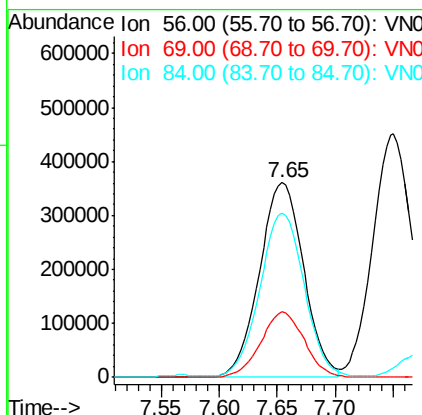
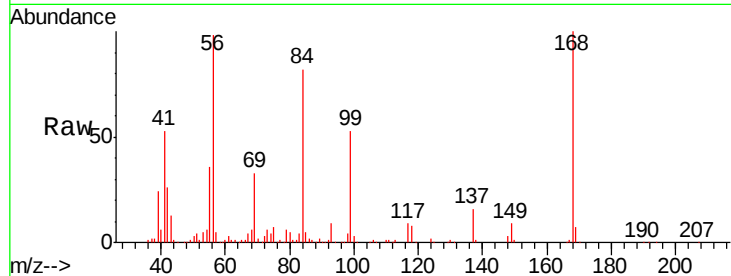
#31
Cyclohexane
Concen: 45.322 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.8	38.6
84	83.2	65.3	97.9

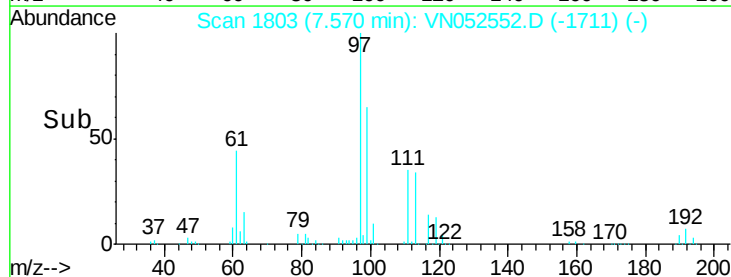
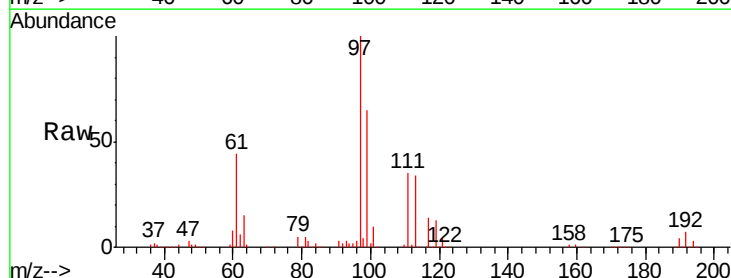
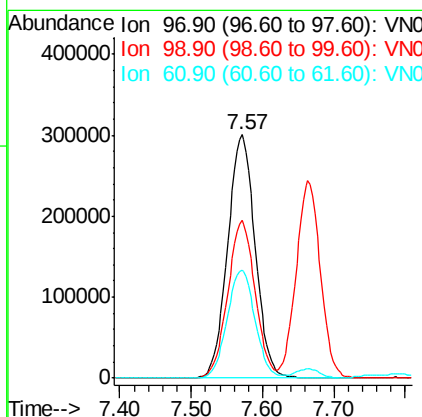
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#32
1,1,1-Trichloroethane
Concen: 46.853 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	45.0	36.8	55.2





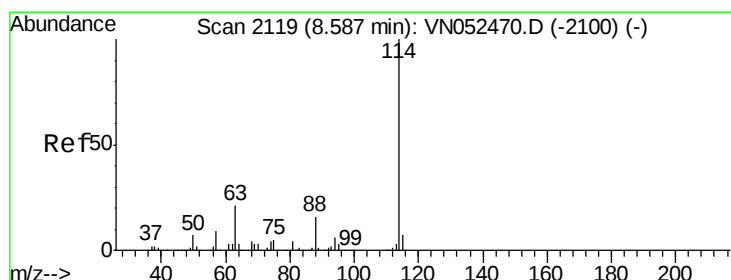
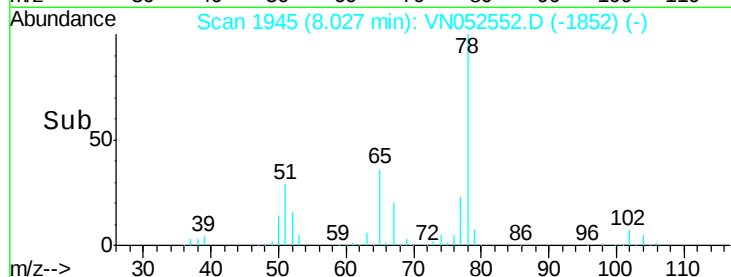
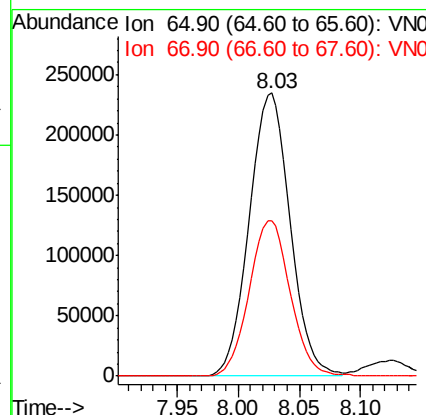
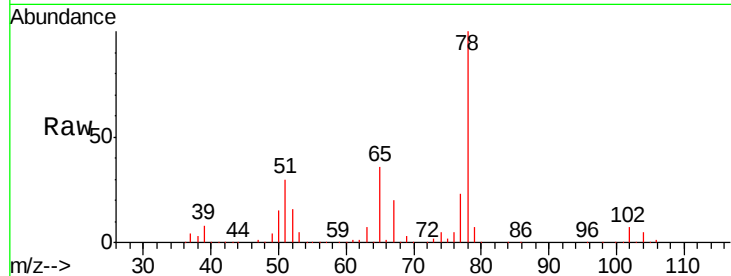
#33
 1,2-Dichloroethane-d4
 Concen: 46.853 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 544543
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.8

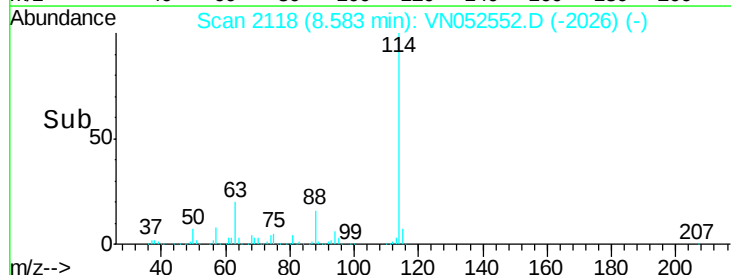
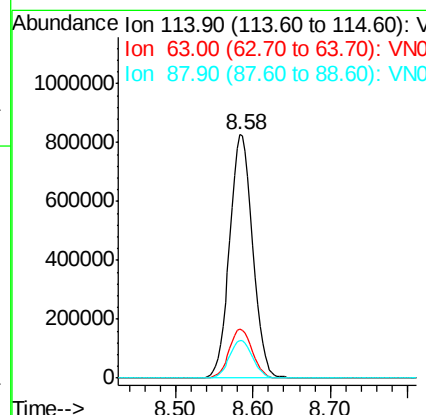
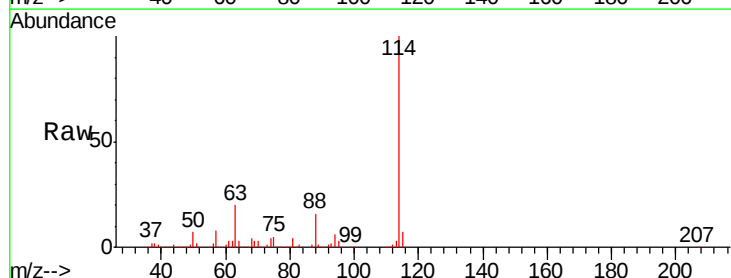
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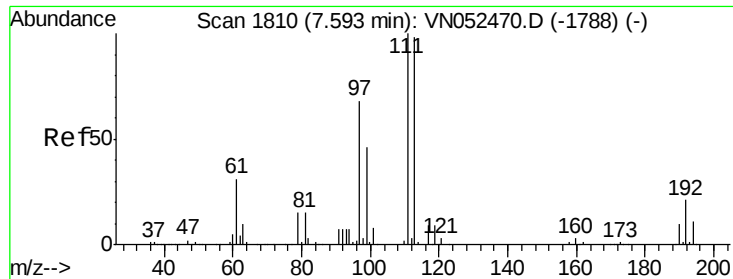
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Tgt Ion: 114 Resp: 1700343
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.5 0.0 31.6





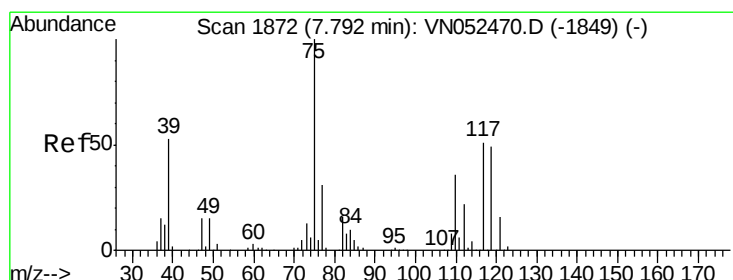
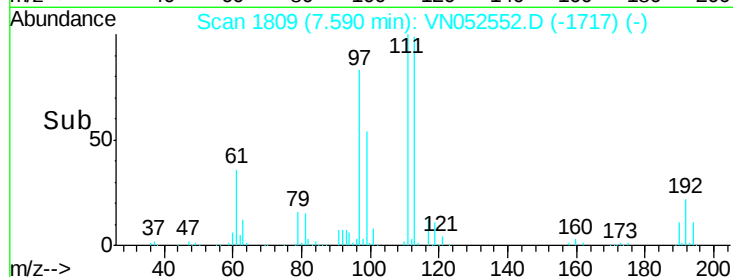
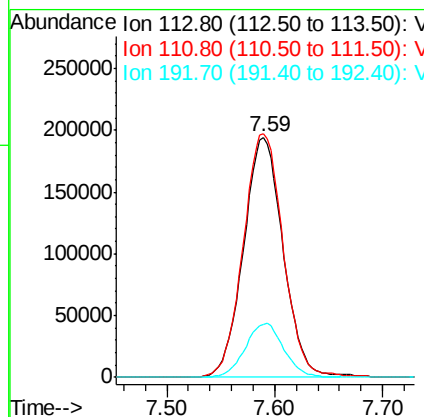
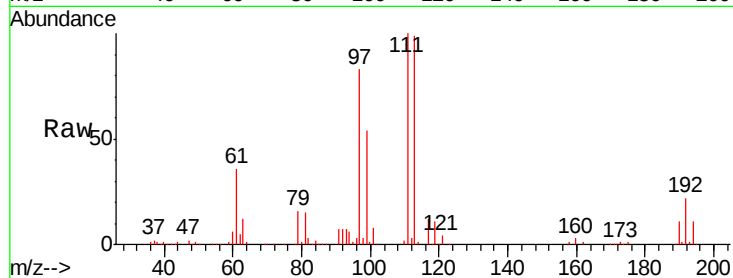
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	493433		
111	103.3	82.0	123.0	
192	21.9	17.0	25.6	

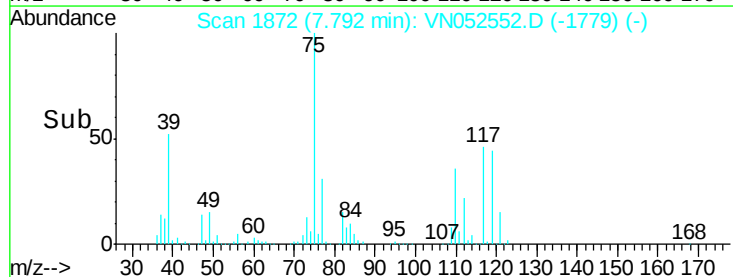
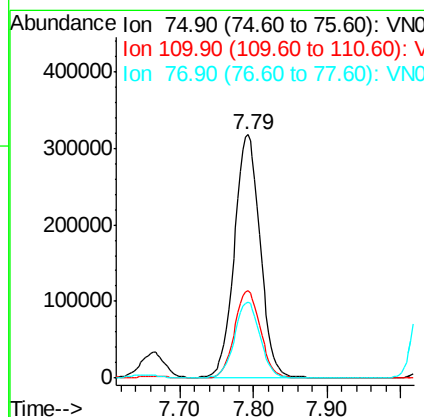
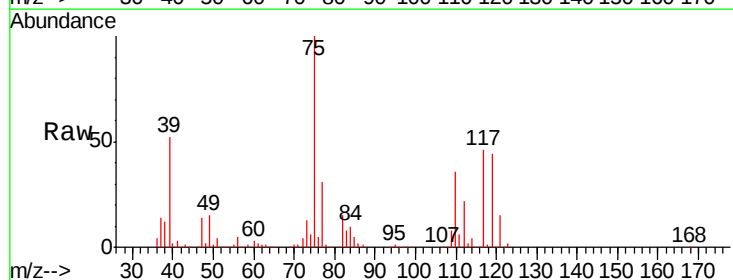
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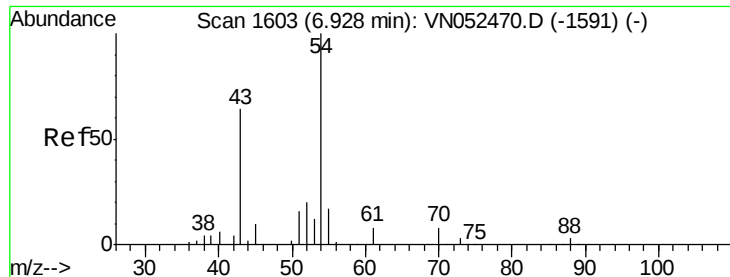
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#36
1,1-Dichloropropene
Concen: 48.069 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	771828		
110	36.1	17.5	52.6	
77	30.9	24.5	36.7	





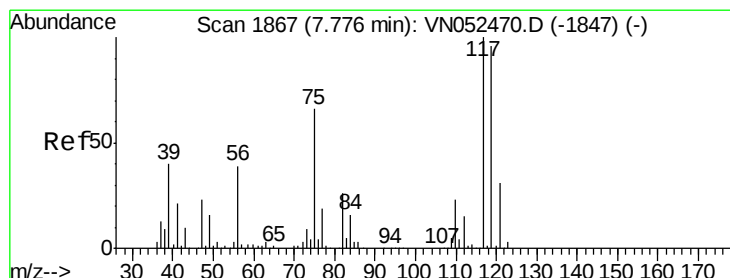
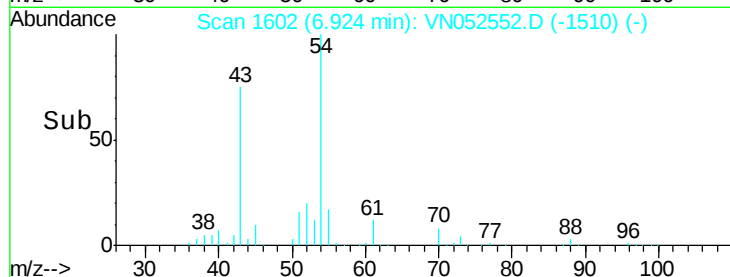
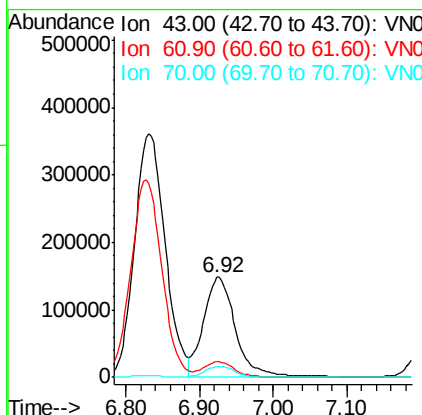
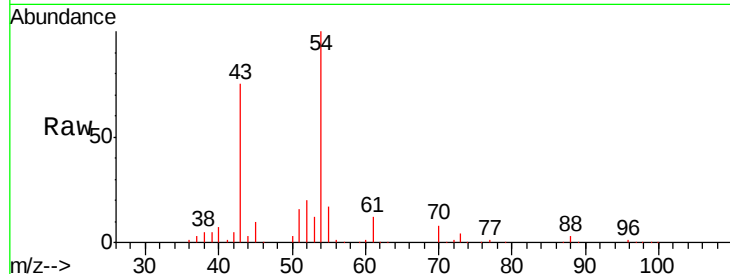
#37
Ethyl Acetate
Concen: 44.891 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.8
70	10.0	7.8	11.8

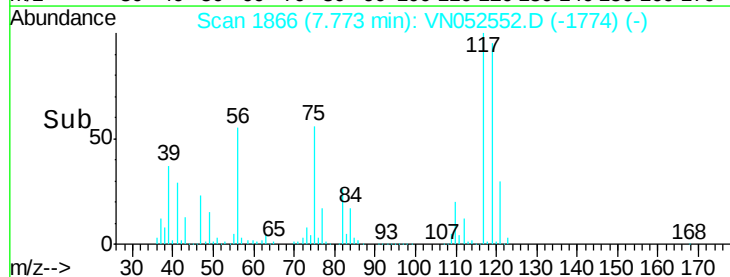
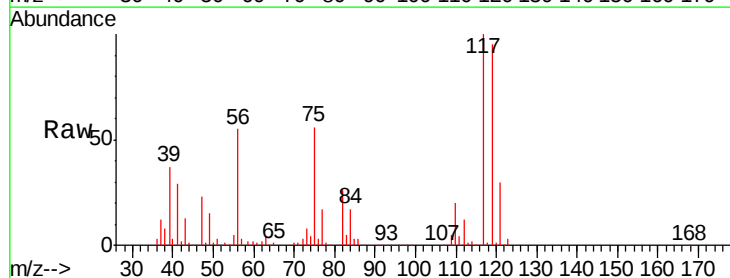
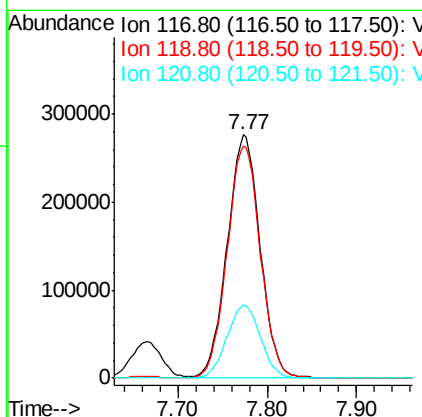
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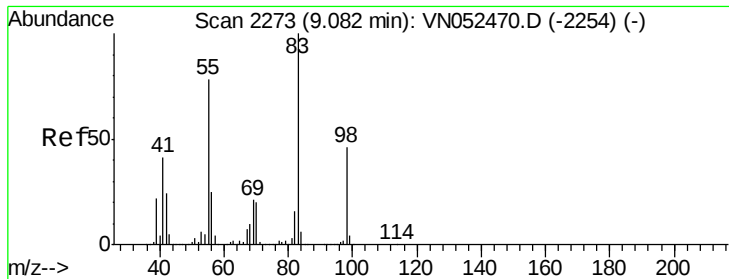
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#38
Carbon Tetrachloride
Concen: 48.342 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.8	115.2
121	30.2	24.9	37.3





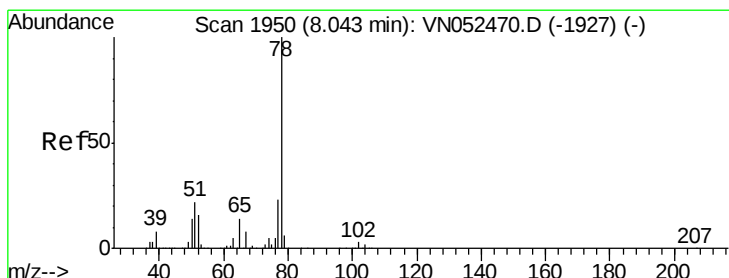
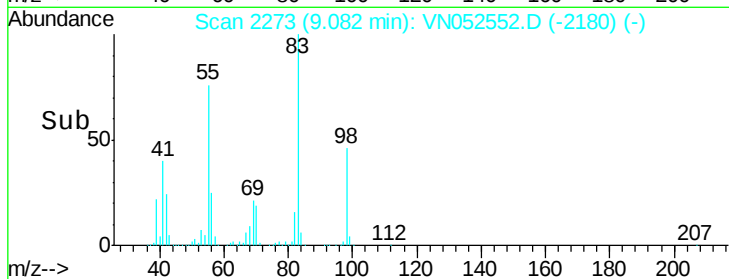
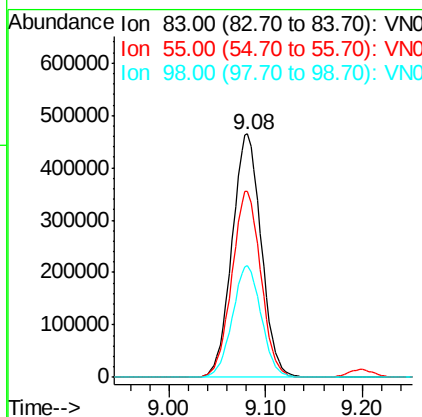
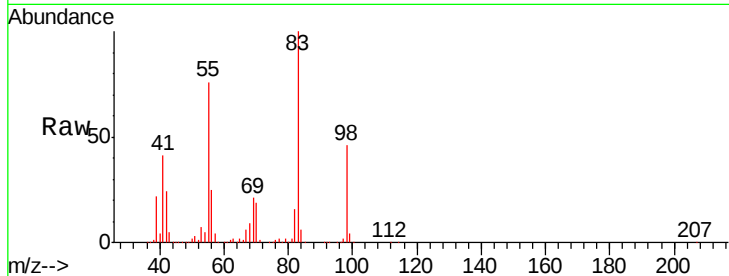
#39
Methylcyclohexane
Concen: 49.842 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.2	62.2	93.2
98	45.7	36.4	54.6

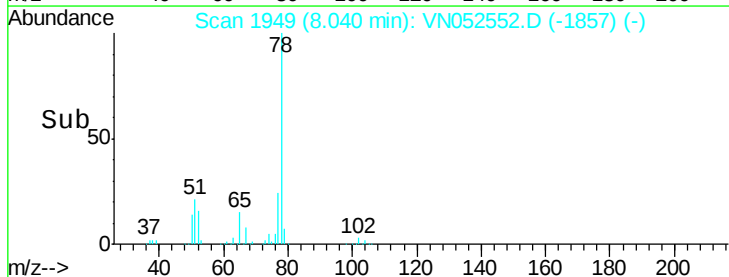
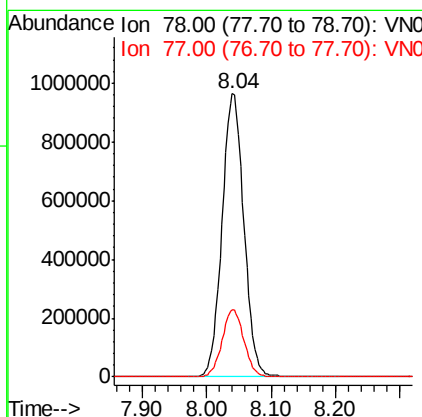
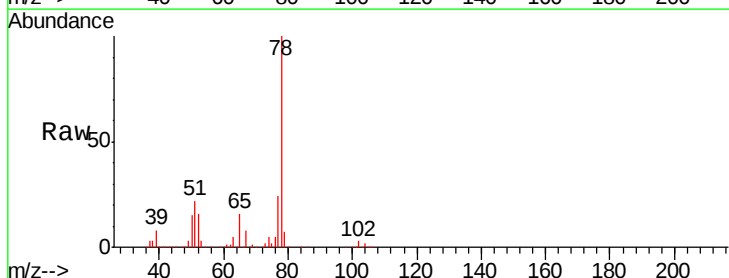
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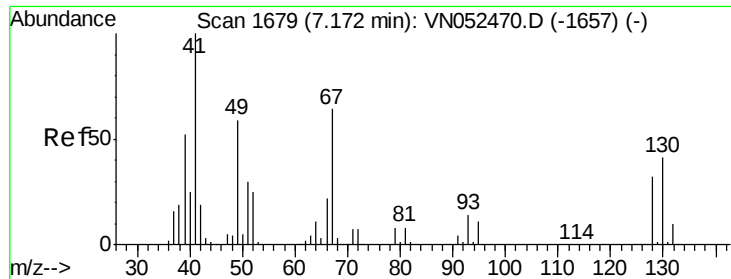
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#40
Benzene
Concen: 47.511 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





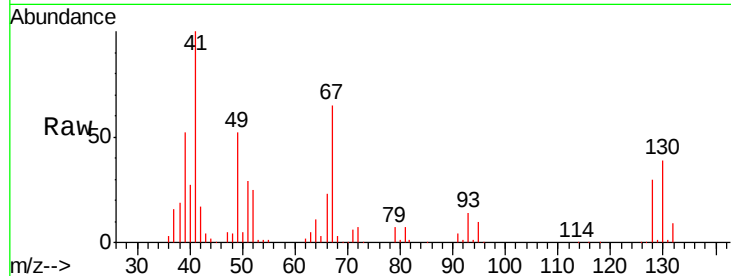
#41
Methacrylonitrile
Concen: 42.411 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

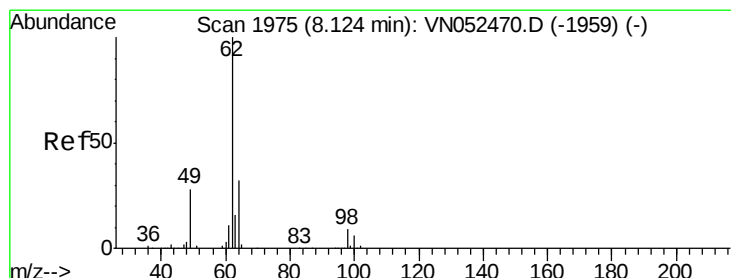
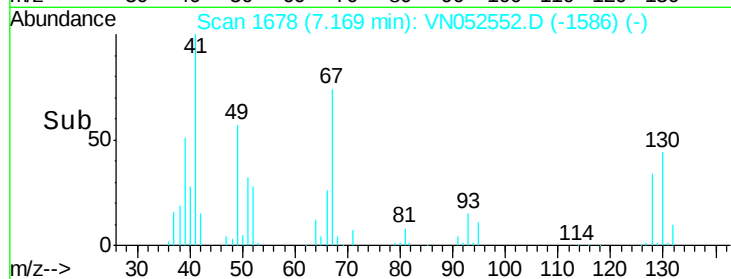
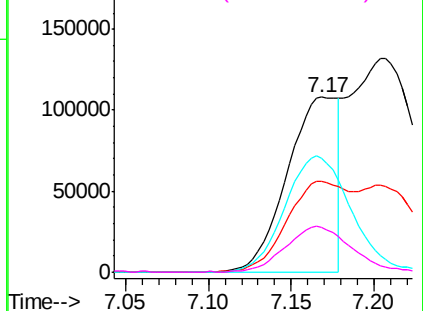
Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.9	50.9	76.3
67	88.3	63.6	95.4
52	33.5	24.4	36.6

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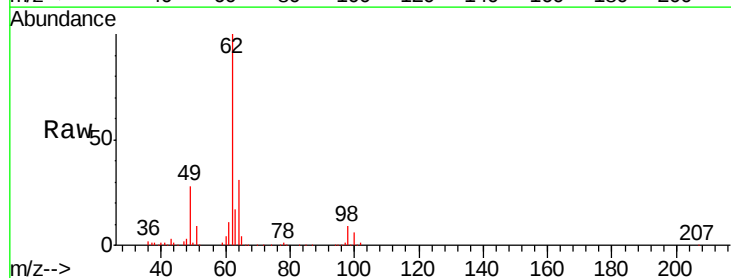


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

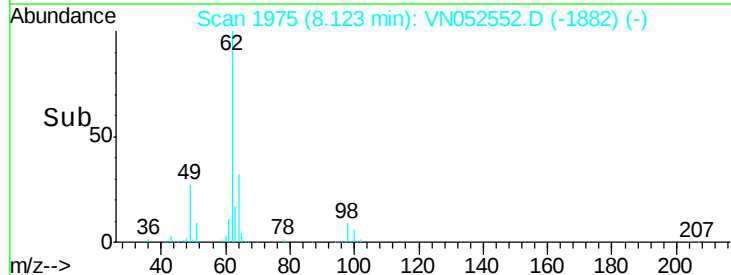
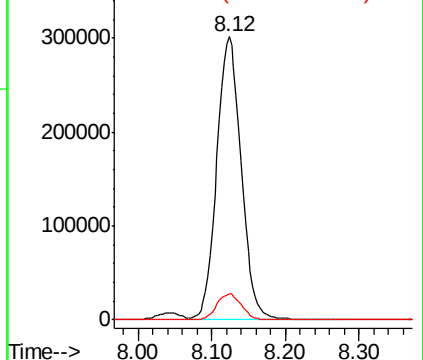


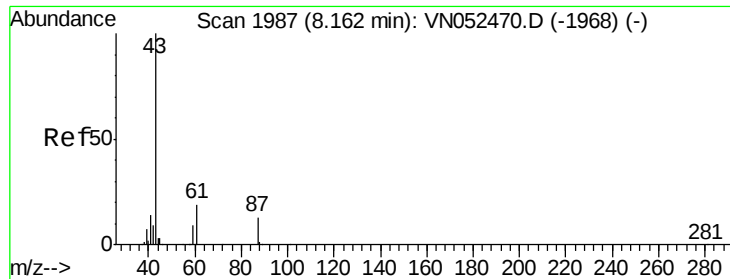
#42
1,2-Dichloroethane
Concen: 47.940 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





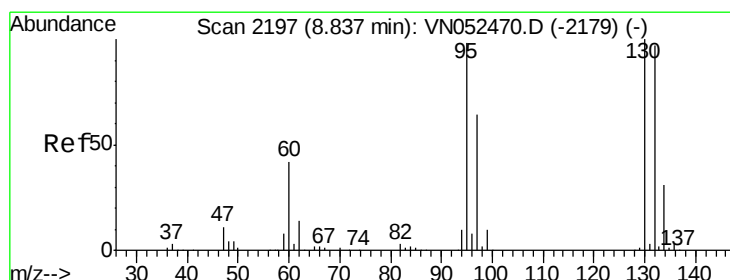
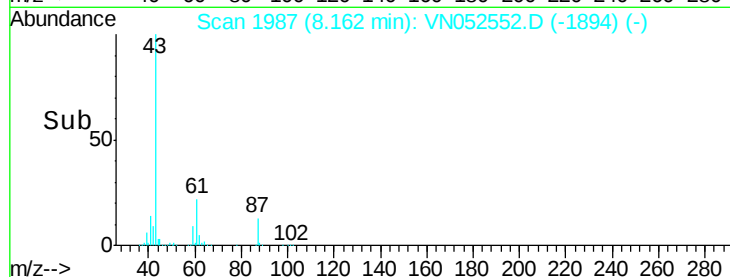
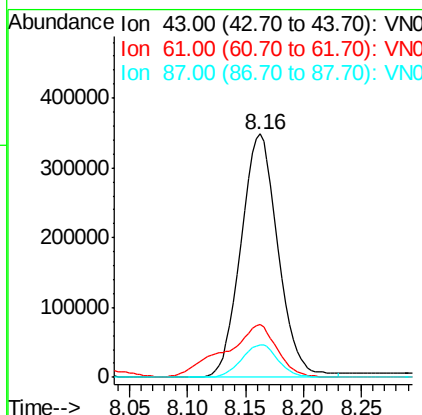
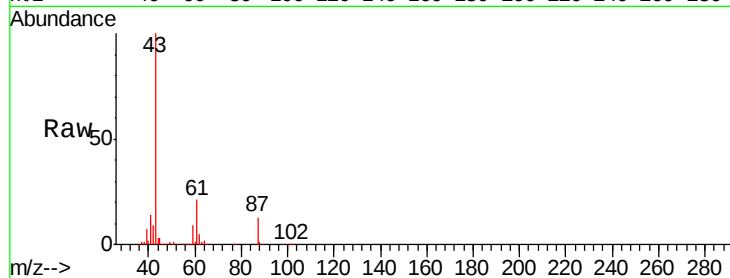
#43
Isopropyl Acetate
Concen: 46.778 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.2	24.1	36.1
87	13.4	10.6	15.8

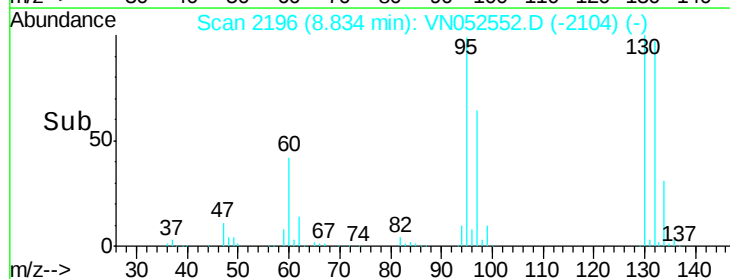
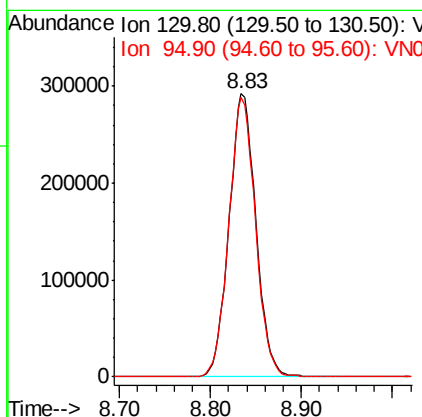
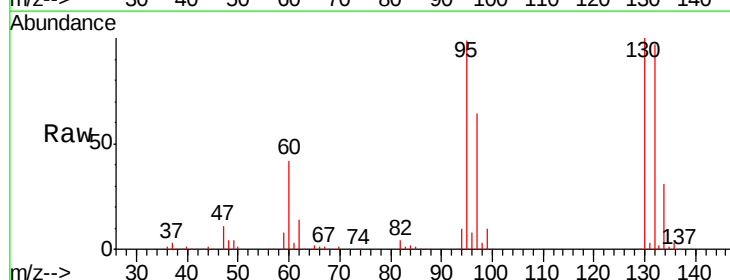
Manual Integrations
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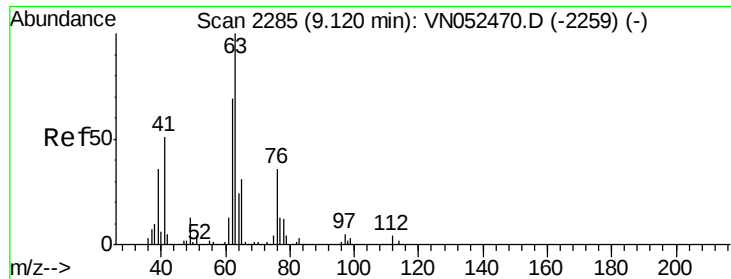
MMDadoda
11/30/2018 11:11:54 AM



#44
Trichloroethene
Concen: 48.765 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	195.6





#45

1,2-Dichloropropane

Concen: 47.500 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 604306

Ion Ratio Lower Upper

63 100

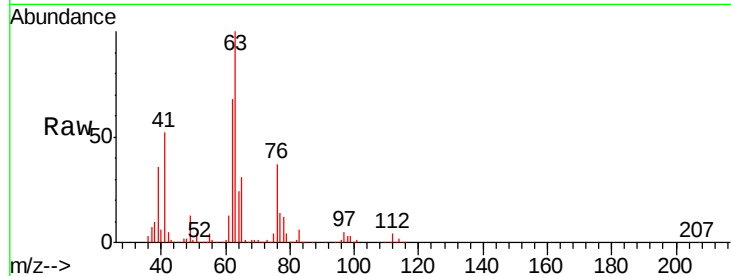
65 31.5 25.0 37.6

Manual Integrations

APPROVED

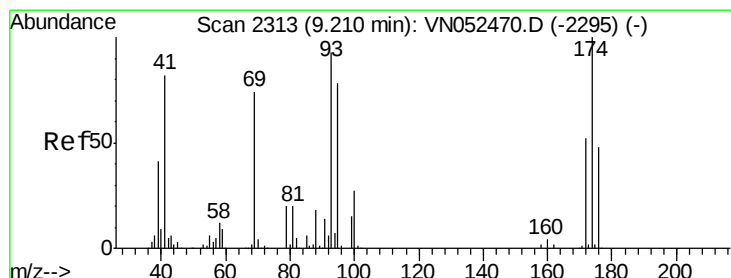
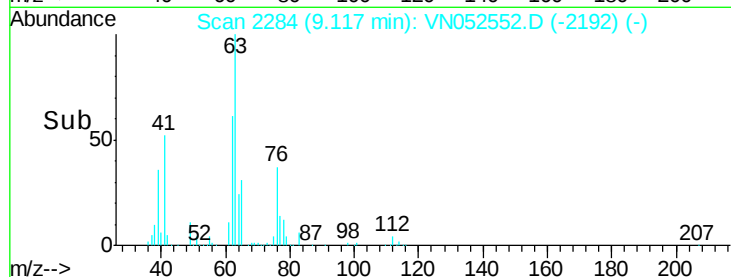
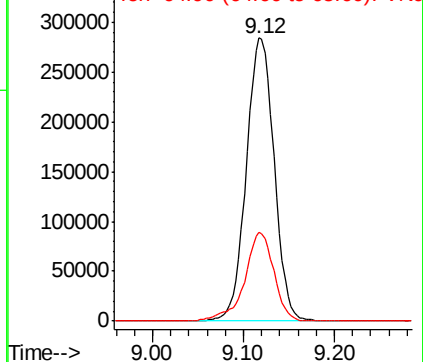
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.091 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

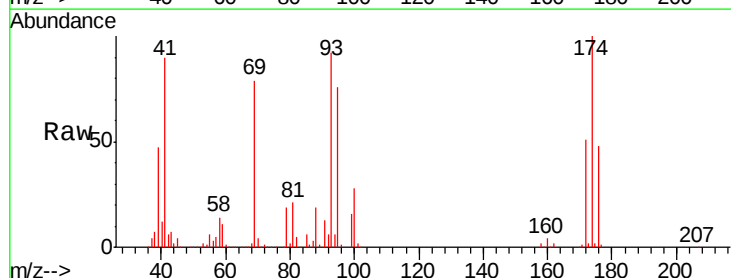
Tgt Ion: 93 Resp: 338692

Ion Ratio Lower Upper

93 100

95 83.2 67.1 100.7

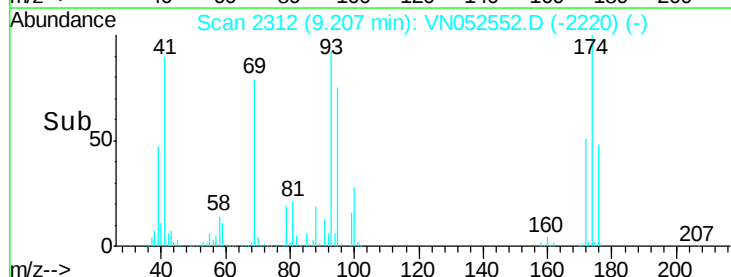
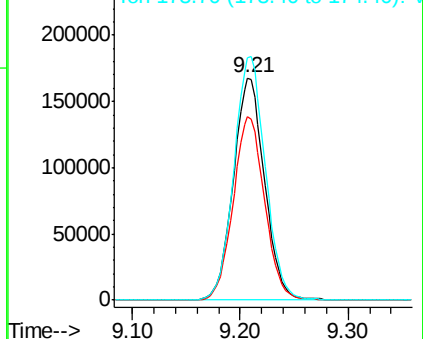
174 110.2 85.8 128.8

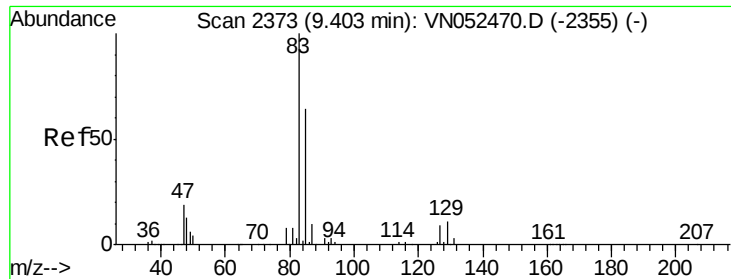


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.089 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

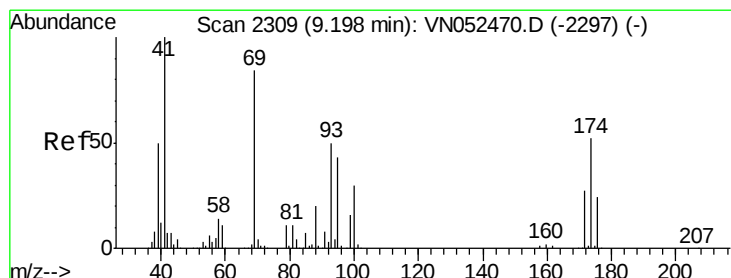
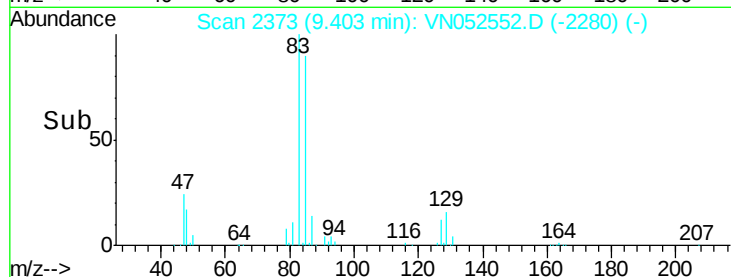
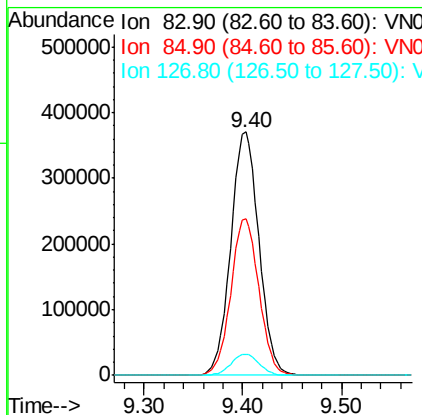
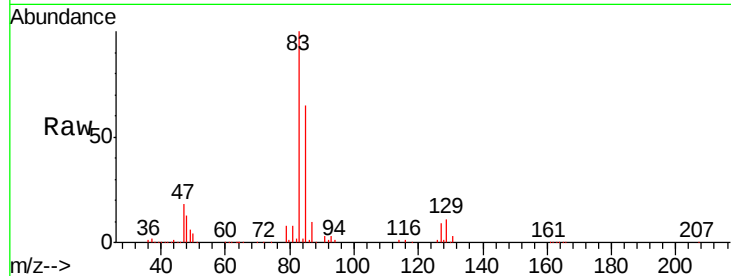
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.3	76.9
127	8.8	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.299 ug/l

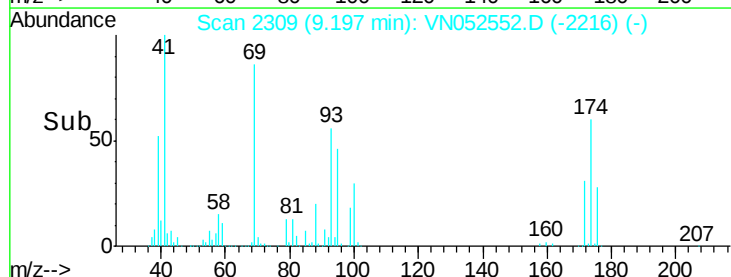
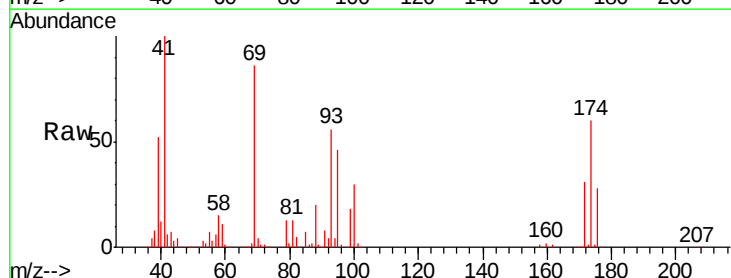
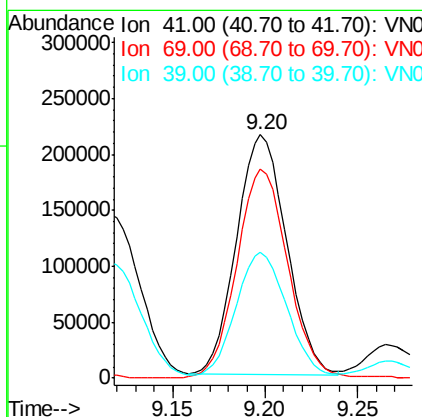
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.8	70.0	105.0
39	51.8	42.6	64.0





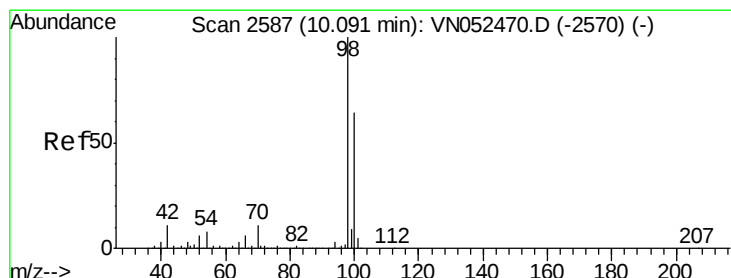
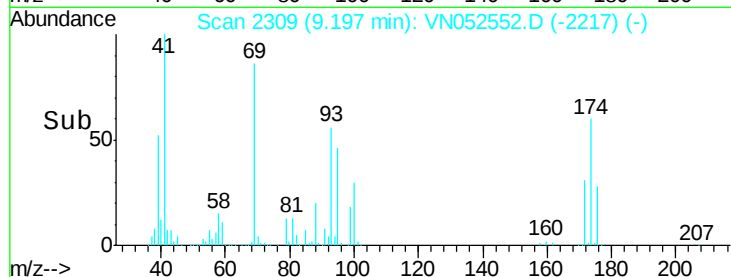
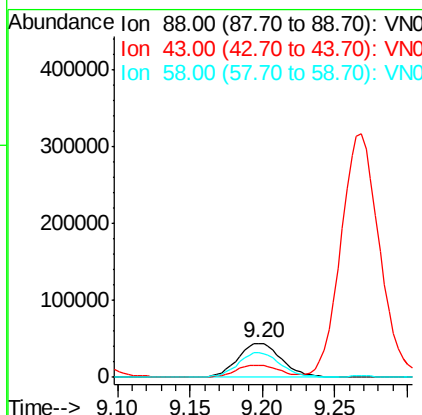
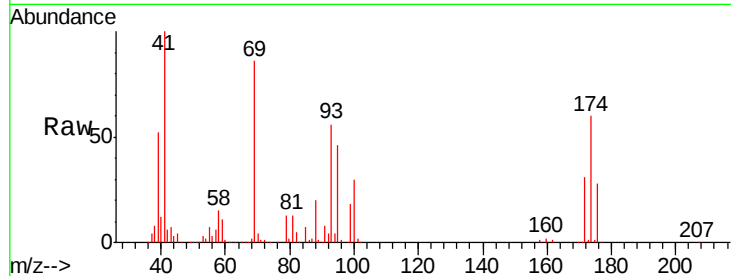
#49
1,4-Dioxane
Concen: 1034.699 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.8	26.4	39.6
58	70.7	55.4	83.0

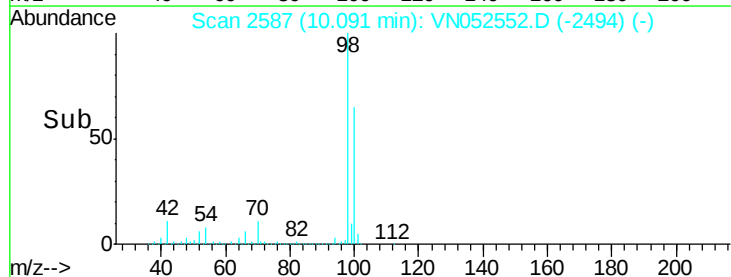
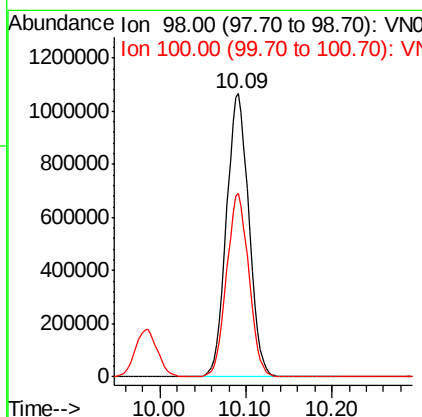
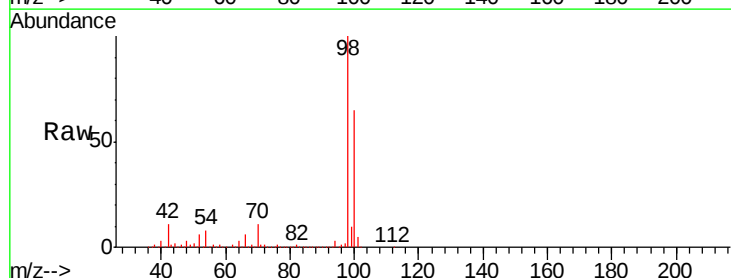
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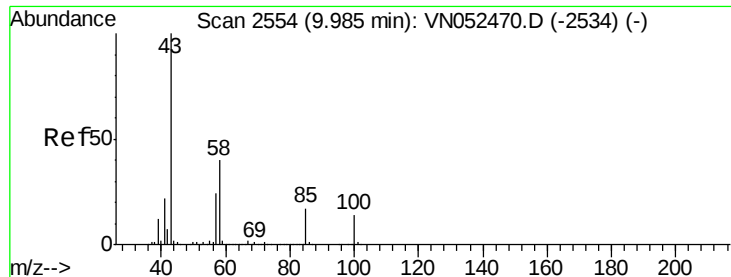
MMDadoda
11/30/2018 11:11:54 AM



#50
Toluene-d8
Concen: 1034.699 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.3	76.9





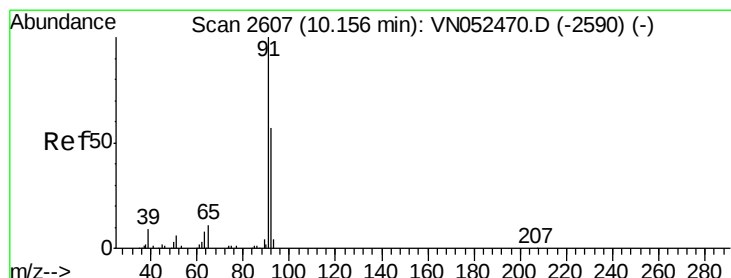
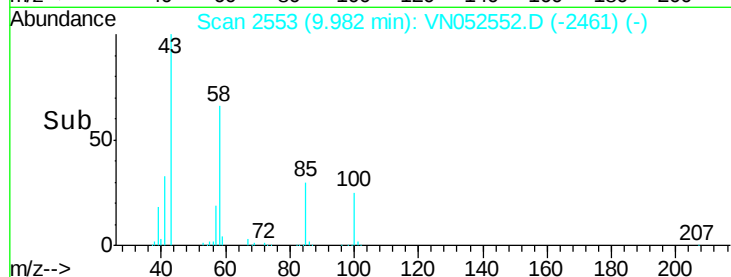
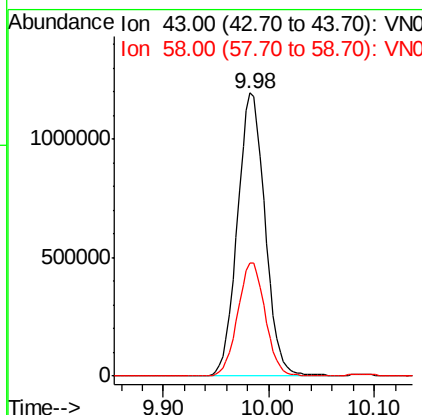
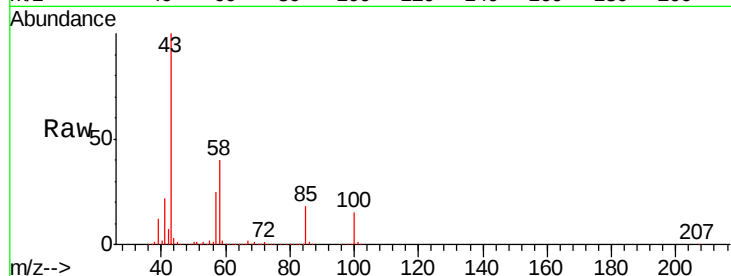
#51
 4-Methyl-2-Pentanone
 Concen: 232.687 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2165036
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.5 47.3

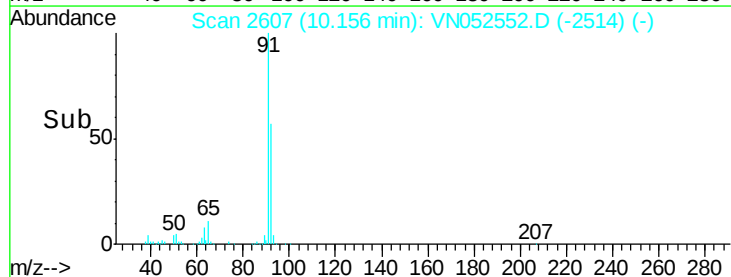
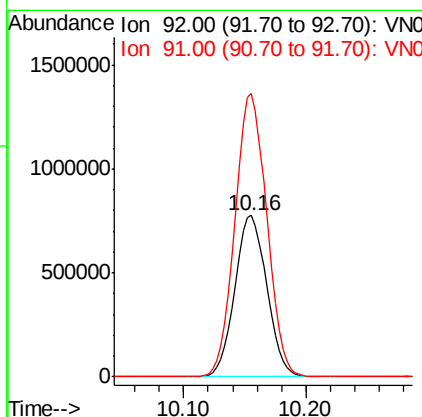
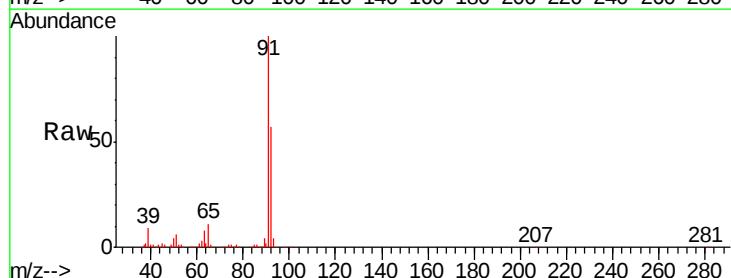
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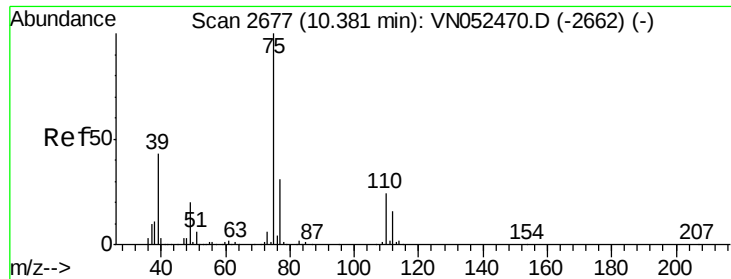
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#52
 Toluene
 Concen: 49.353 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Tgt Ion: 92 Resp: 1403175
 Ion Ratio Lower Upper
 92 100
 91 175.6 141.0 211.4





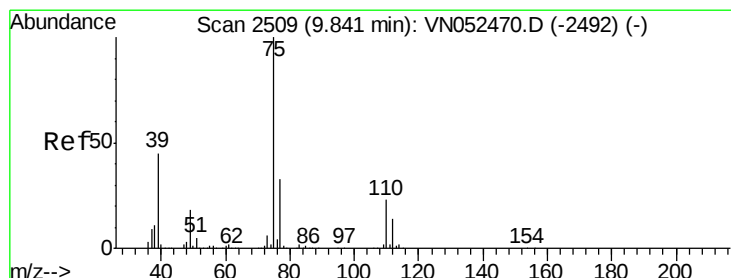
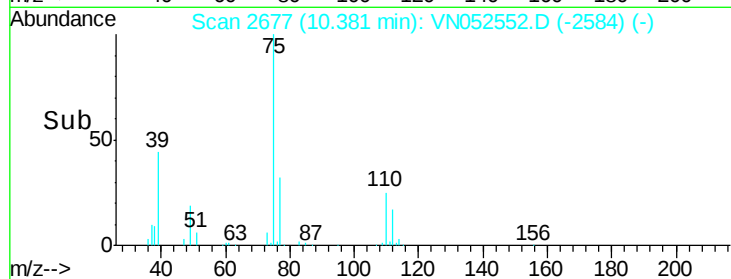
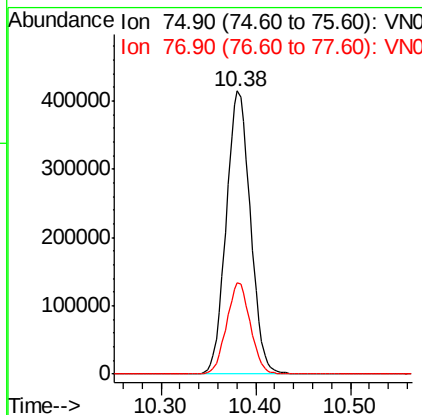
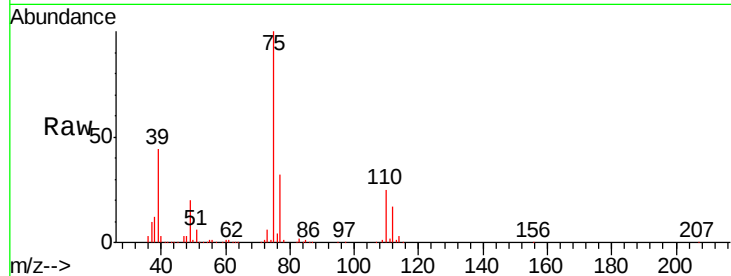
#53
t-1,3-Dichloropropene
Concen: 50.021 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 736841
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.4

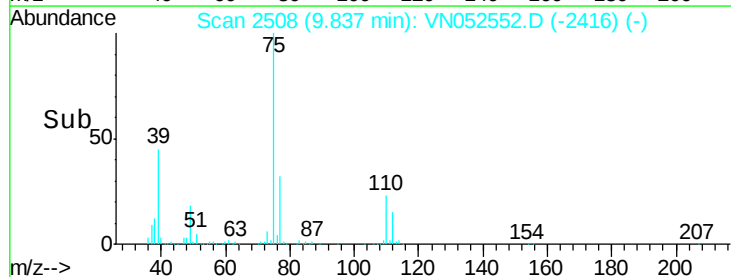
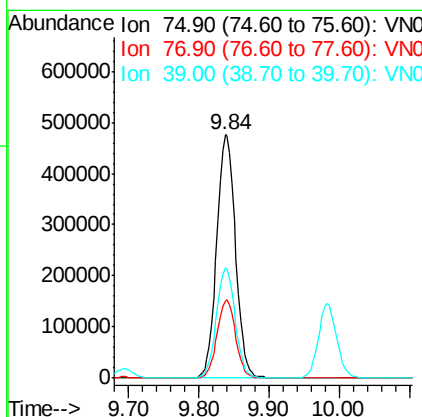
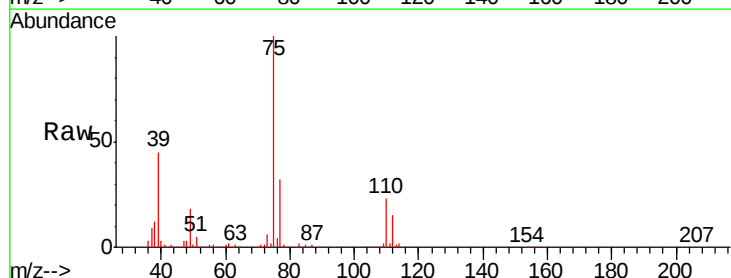
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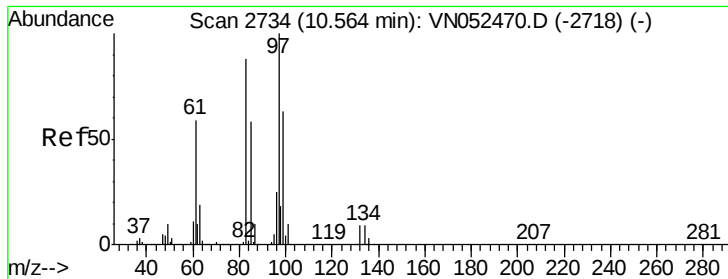
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#54
cis-1,3-Dichloropropene
Concen: 49.863 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion: 75 Resp: 880229
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.2
39 45.3 36.0 54.0





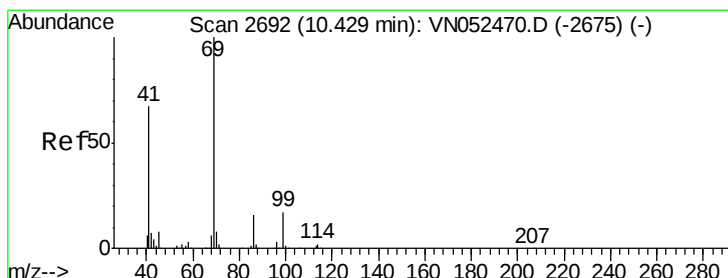
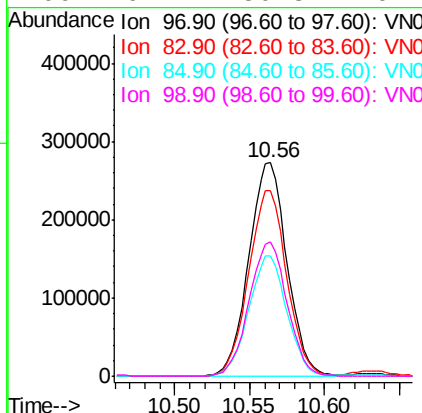
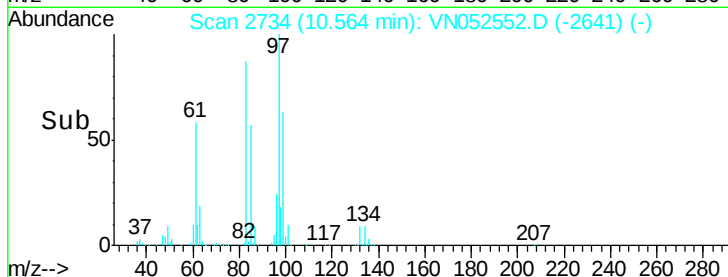
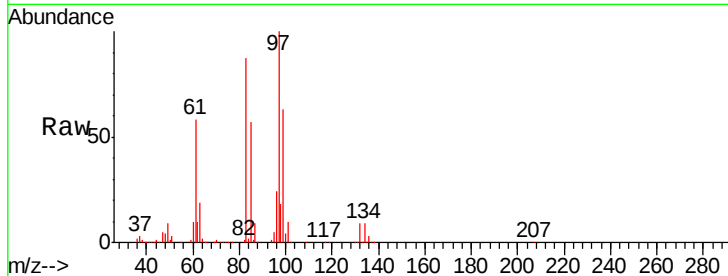
#55
 1,1,2-Trichloroethane
 Concen: 48.447 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.7	106.1
85	56.6	46.1	69.1
99	62.7	50.8	76.2

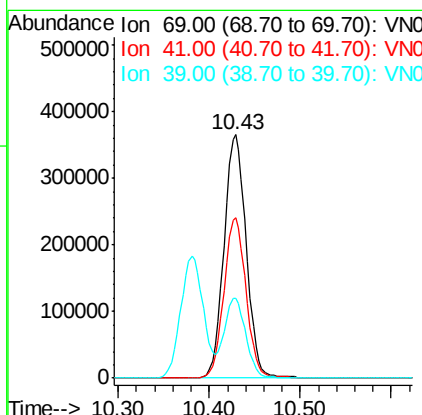
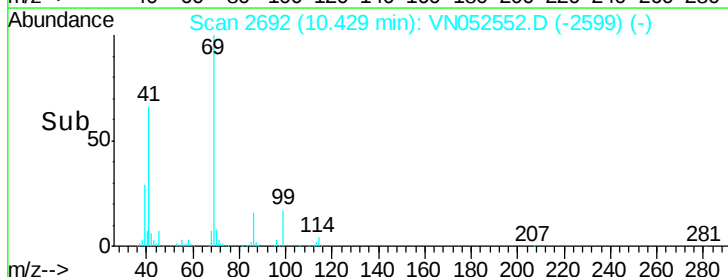
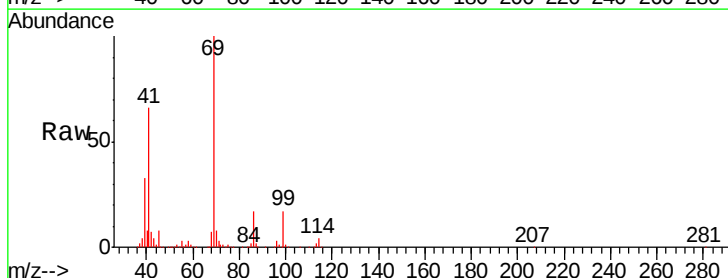
Manual Integrations
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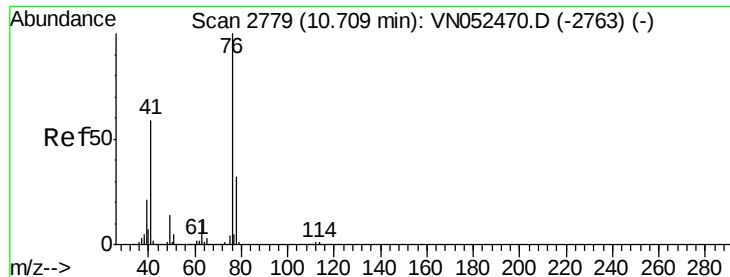
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#56
 Ethyl methacrylate
 Concen: 44.918 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.6	79.0
39	31.9	25.9	38.9





#57

1,3-Dichloropropane

Concen: 47.600 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 840552

Ion Ratio Lower Upper

76 100

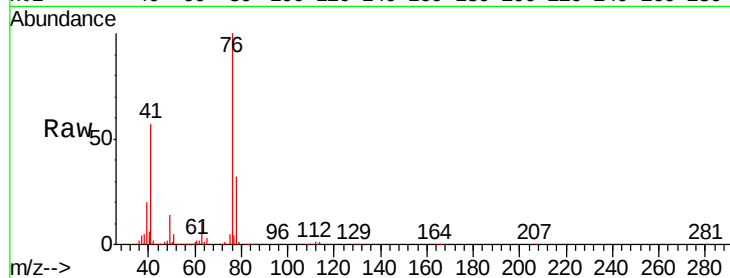
78 32.1 25.6 38.4

Manual Integrations

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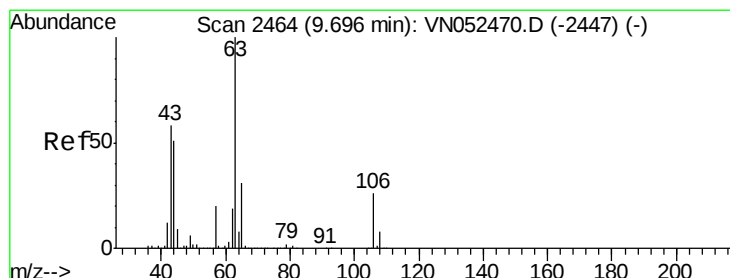
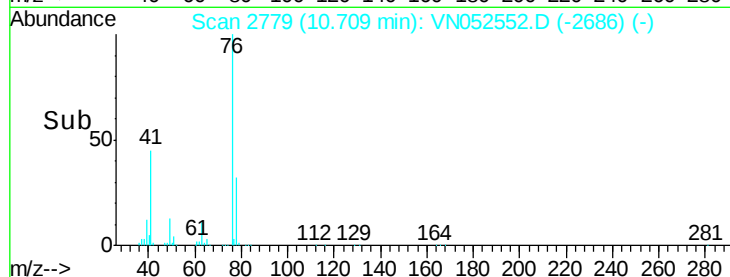
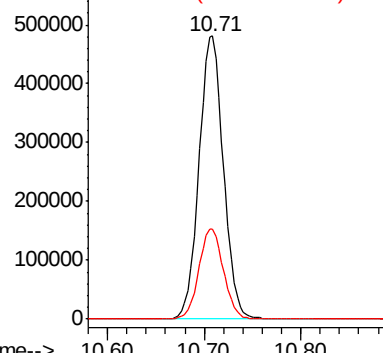
MMDadoda

11/30/2018 11:11:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 239.672 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052552.D

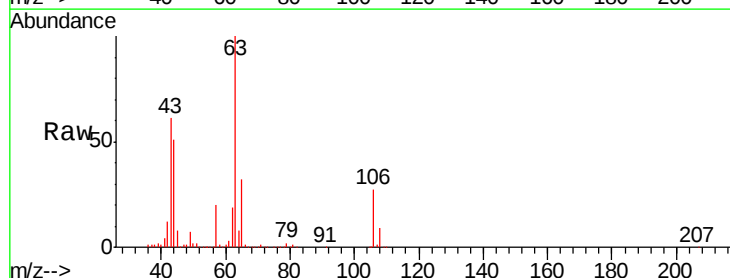
Acq: 29 Nov 2018 9:18

Tgt Ion: 63 Resp: 1739252

Ion Ratio Lower Upper

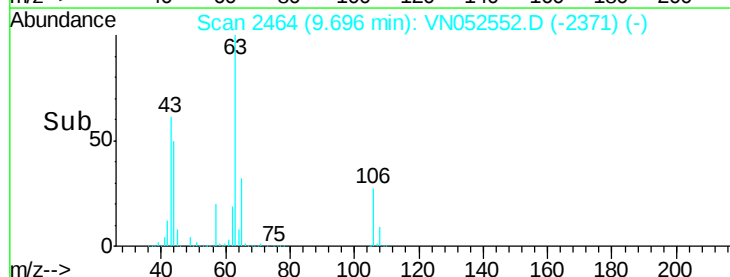
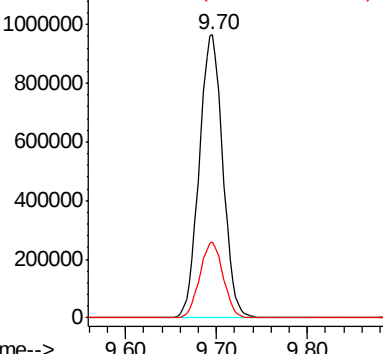
63 100

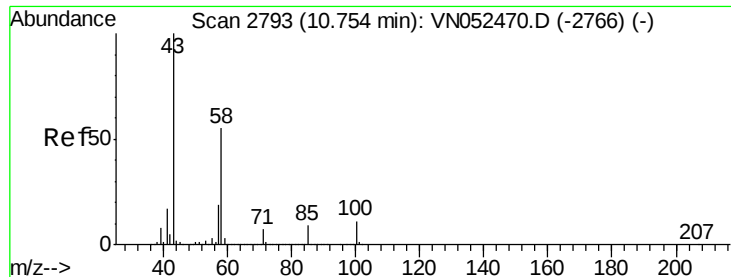
106 26.6 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





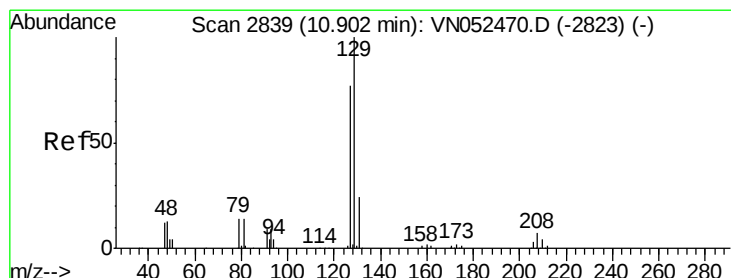
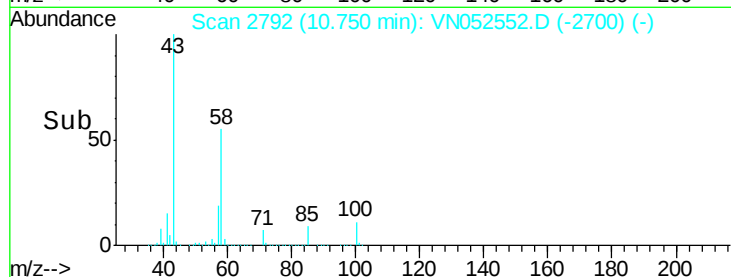
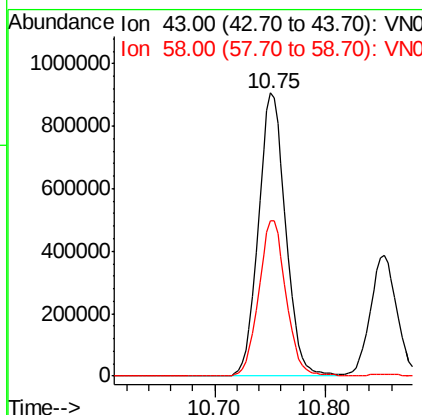
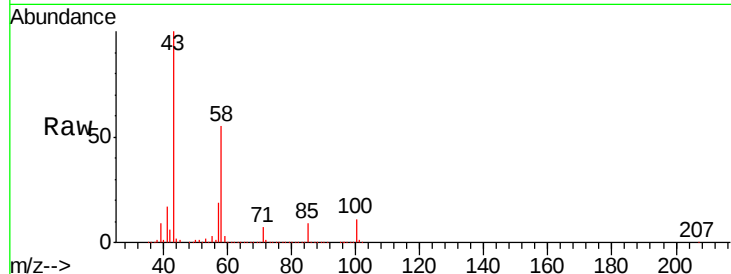
#59
2-Hexanone
Concen: 247.125 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1543229
Ion Ratio Lower Upper
43 100
58 55.3 27.4 82.0

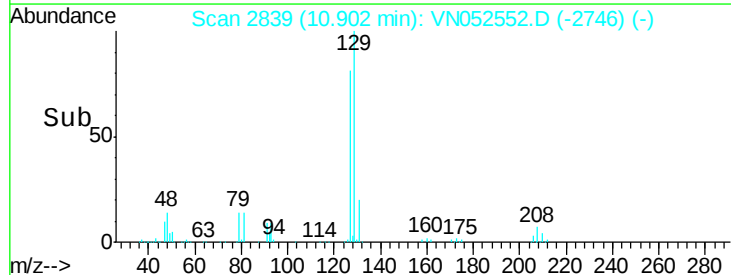
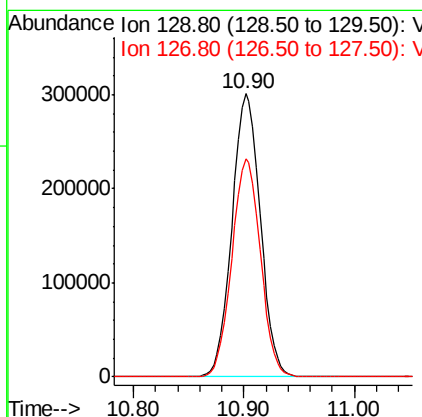
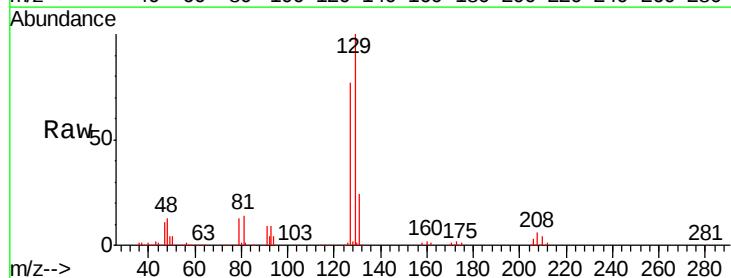
Manual Integrations
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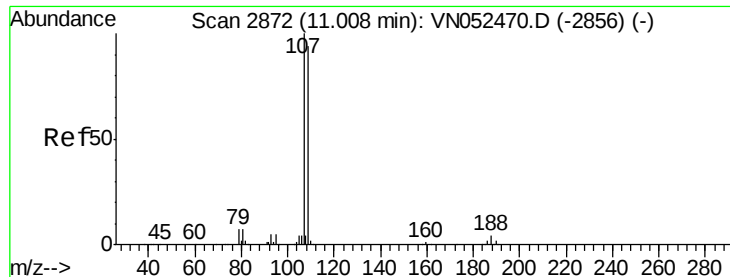
MMDadoda
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#60
Dibromochloromethane
Concen: 49.483 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion: 129 Resp: 537477
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.6





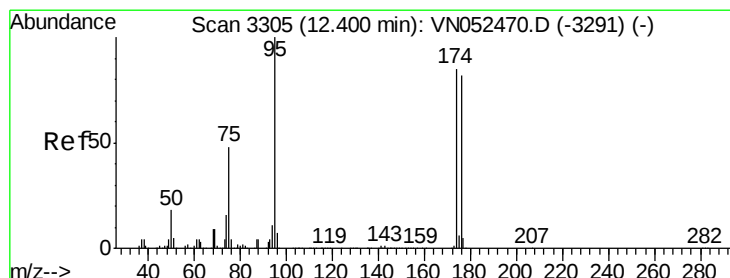
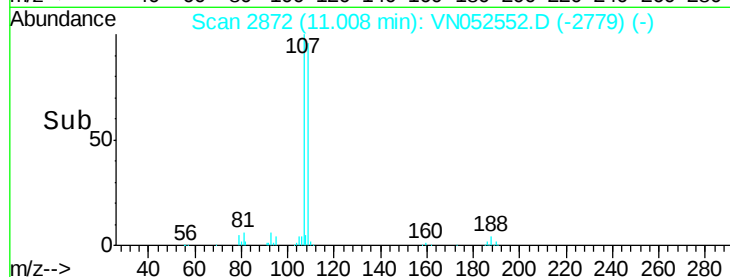
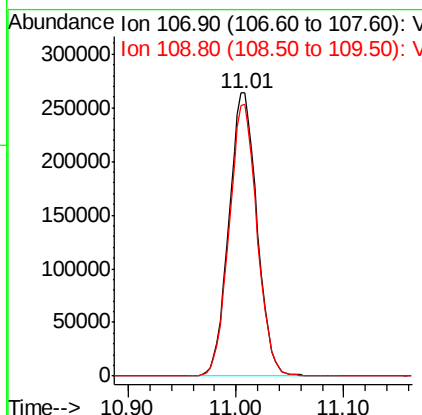
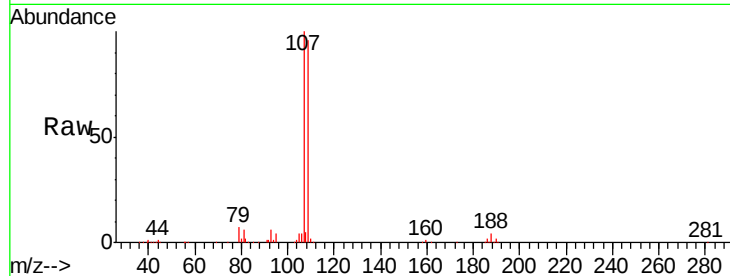
#61
 1,2-Dibromoethane
 Concen: 48.334 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 480094
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.6 113.4

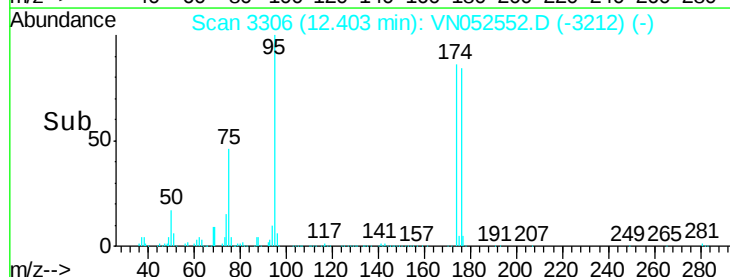
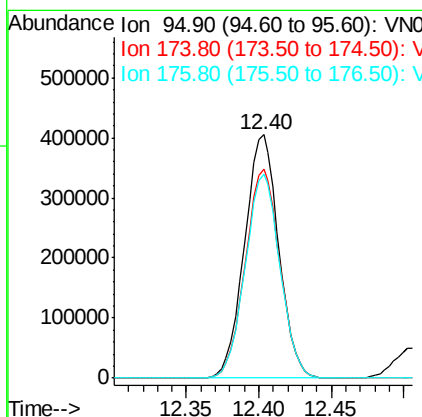
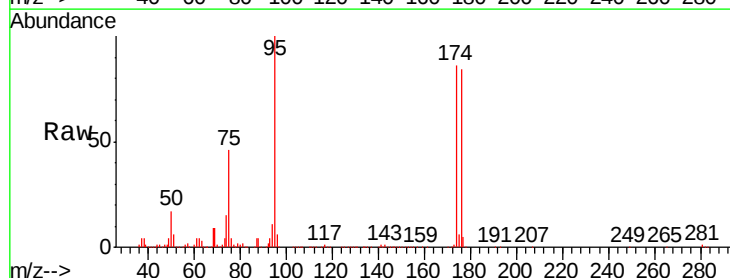
Manual Integrations
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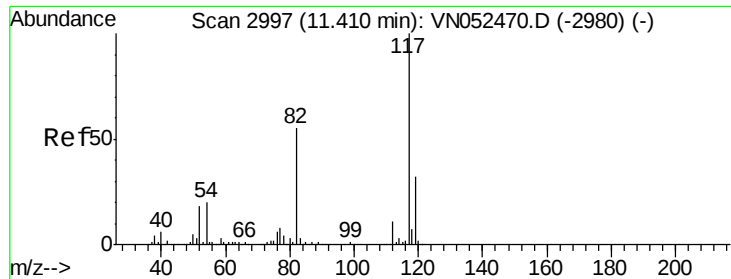
MMDadoda
 11/30/2018 11:11:54 AM



#62
 4-Bromofluorobenzene
 Concen: 48.334 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Tgt Ion: 95 Resp: 665226
 Ion Ratio Lower Upper
 95 100
 174 87.0 0.0 173.0
 176 85.0 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

ClientSampleId :

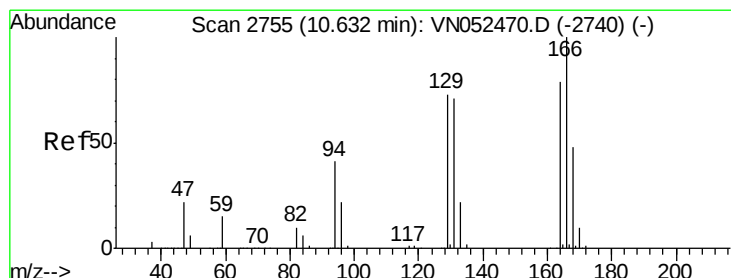
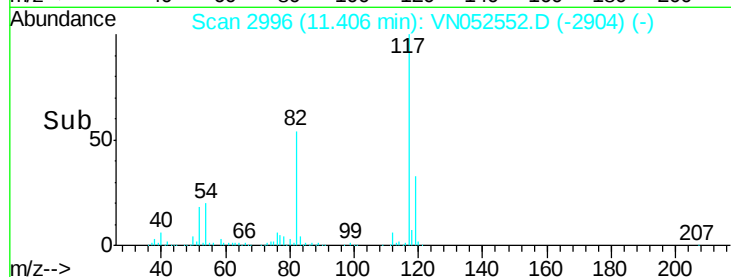
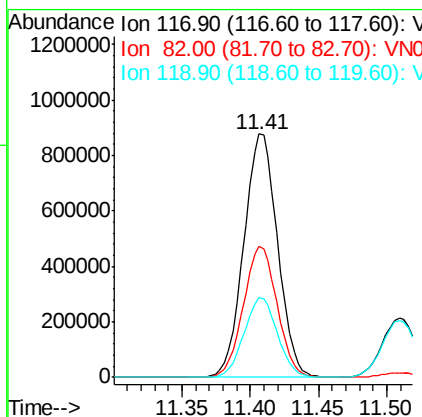
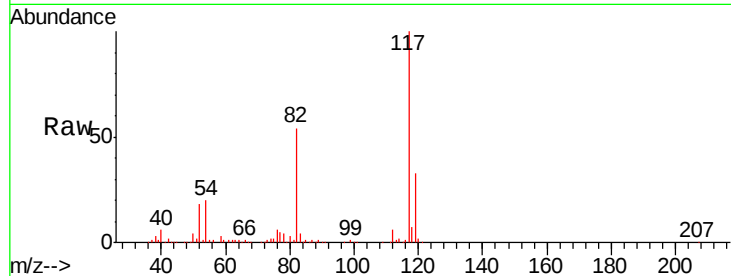
VSTDCCC050

Tgt Ion:117 Resp: 1508094

Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.6	65.4
119	32.5	25.4	38.2

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#64

Tetrachloroethene

Concen: 49.200 ug/l

RT: 10.63 min Scan# 2755

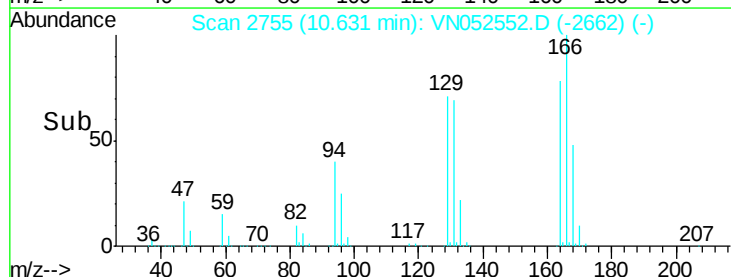
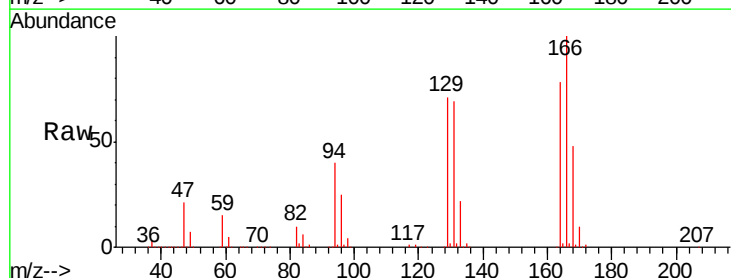
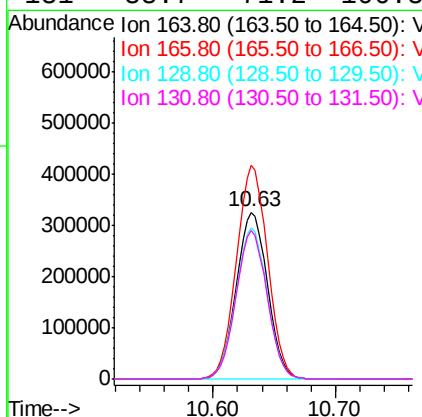
Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Tgt Ion:164 Resp: 575283

Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.0	151.4
129	90.9	73.8	110.6
131	88.7	71.2	106.8





#65

Chlorobenzene

Concen: 49.593 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 1542196

Ion Ratio Lower Upper

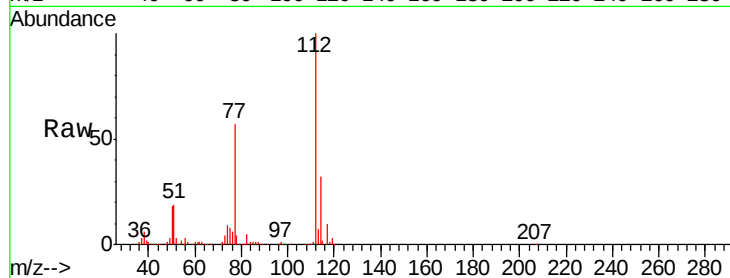
112 100

114 32.1 25.8 38.6

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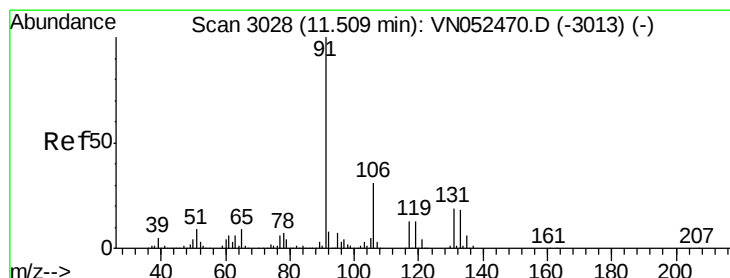
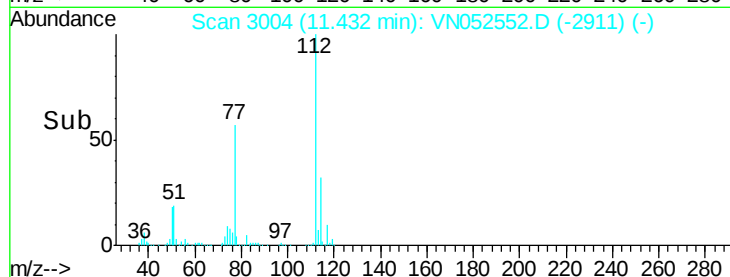
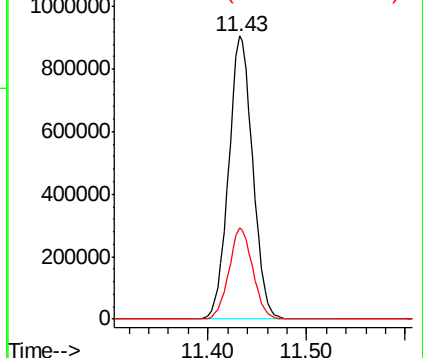
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.374 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

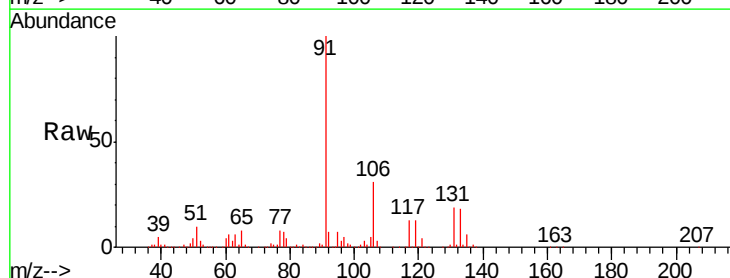
Tgt Ion:131 Resp: 533853

Ion Ratio Lower Upper

131 100

133 95.1 47.6 142.8

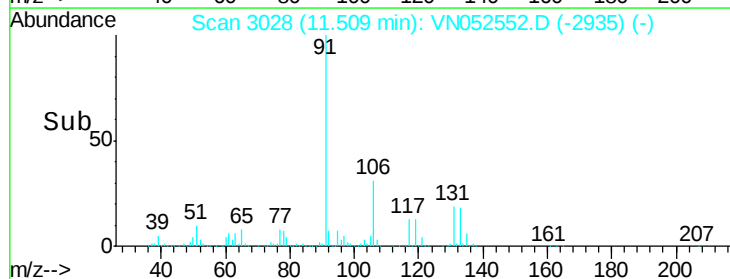
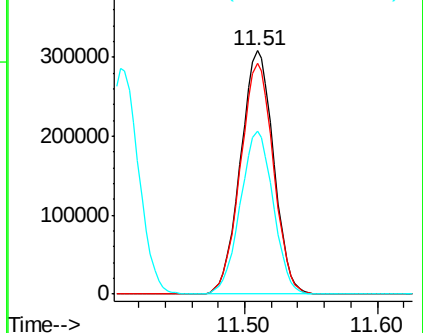
119 66.7 33.2 99.6

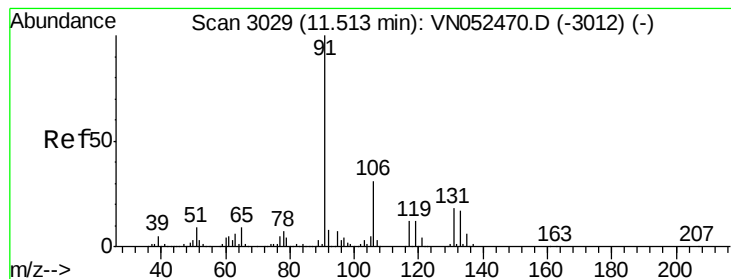


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.060 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 2726069

Ion Ratio Lower Upper

91 100

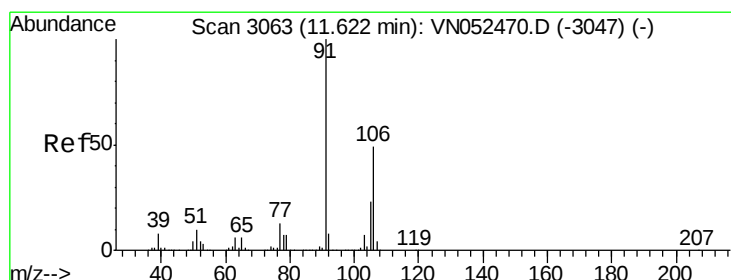
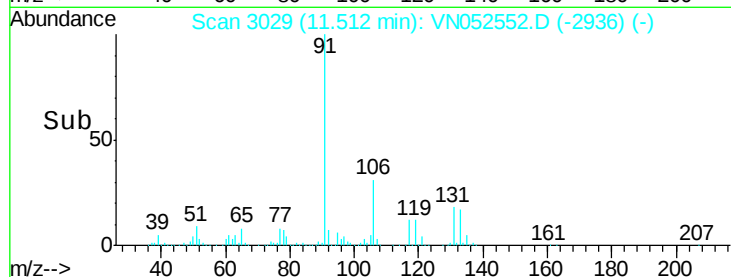
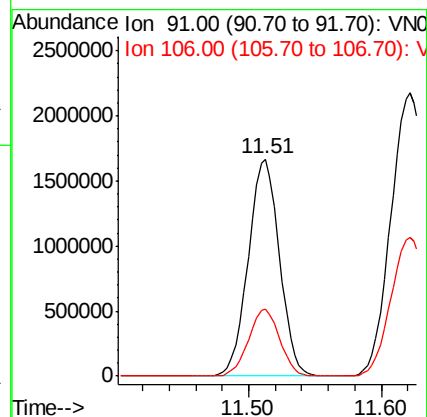
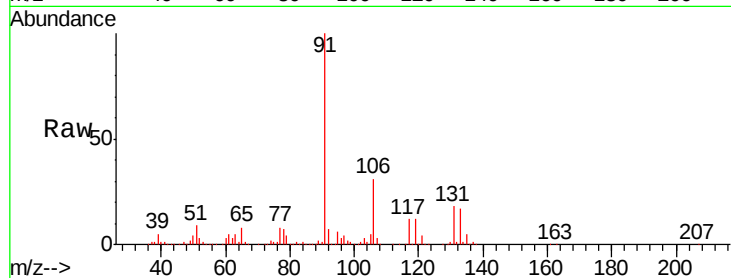
106 30.7 24.9 37.3

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#68

m/p-Xylenes

Concen: 101.105 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052552.D

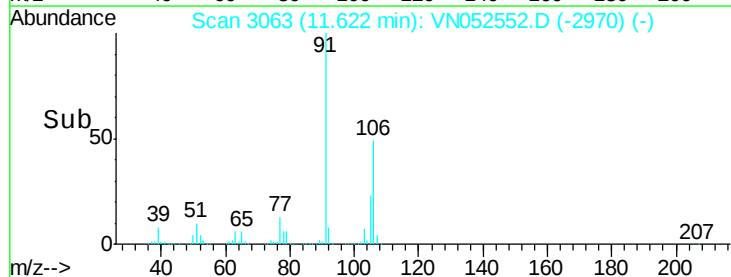
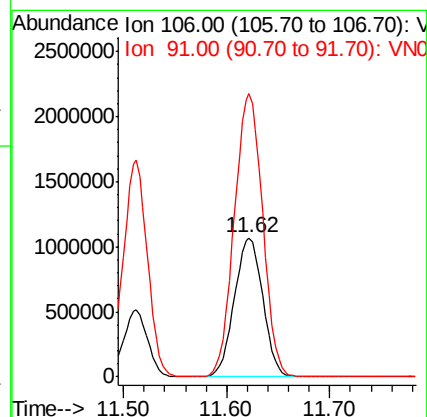
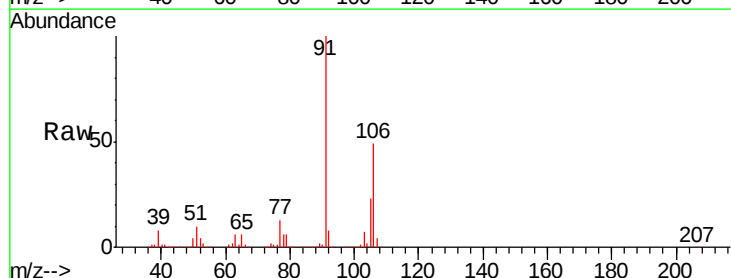
Acq: 29 Nov 2018 9:18

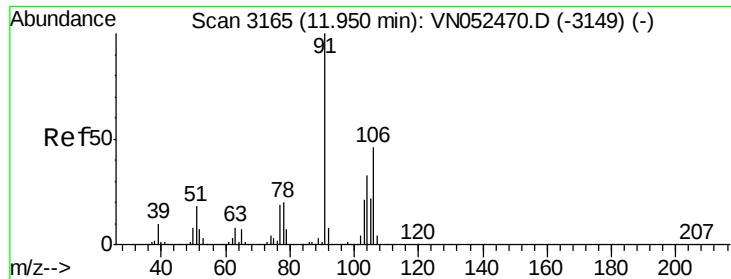
Tgt Ion: 106 Resp: 2049669

Ion Ratio Lower Upper

106 100

91 203.2 163.2 244.8





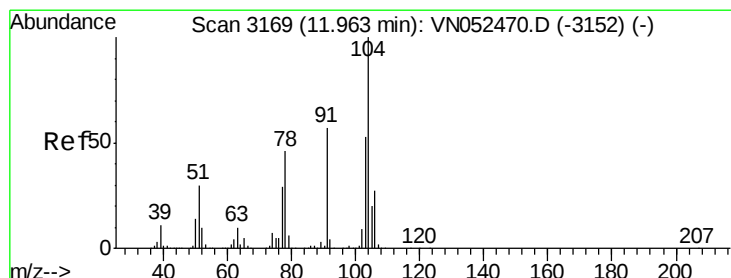
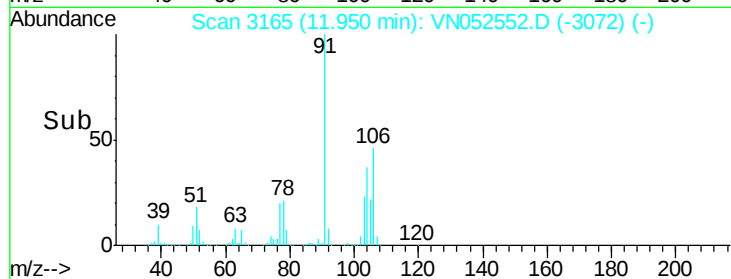
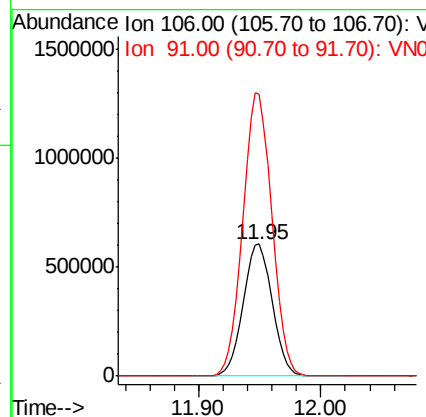
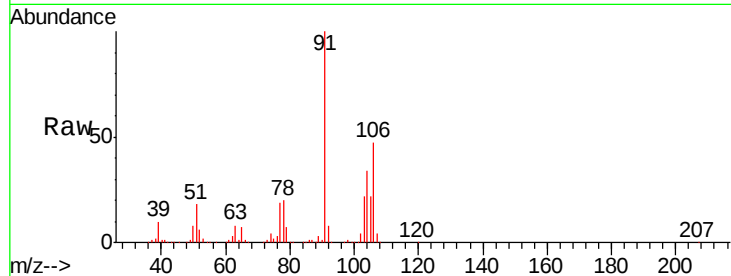
#69
o-Xylene
Concen: 50.559 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 995336
Ion Ratio Lower Upper
106 100
91 214.6 107.7 323.1

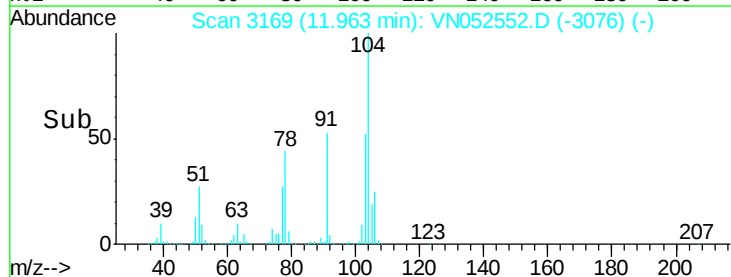
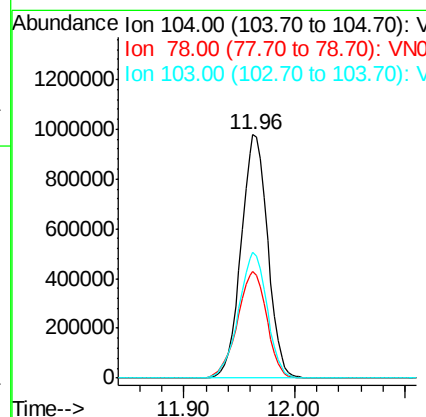
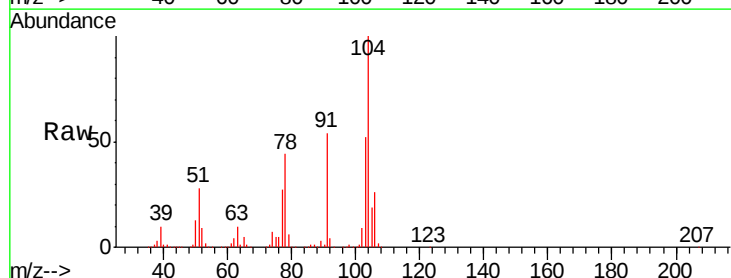
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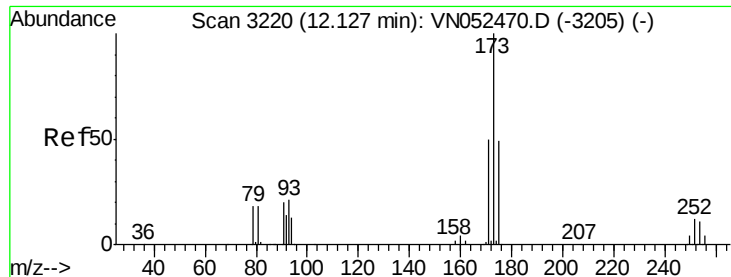
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#70
Styrene
Concen: 51.995 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion:104 Resp: 1630349
Ion Ratio Lower Upper
104 100
78 48.3 39.4 59.2
103 55.7 44.9 67.3





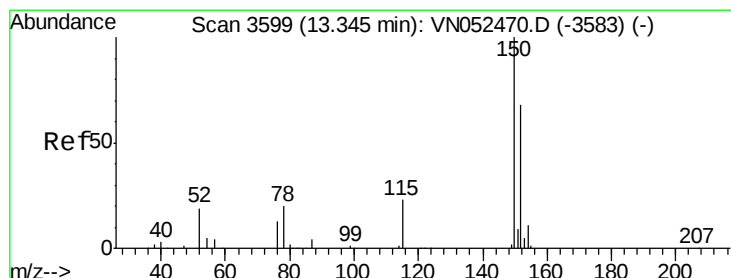
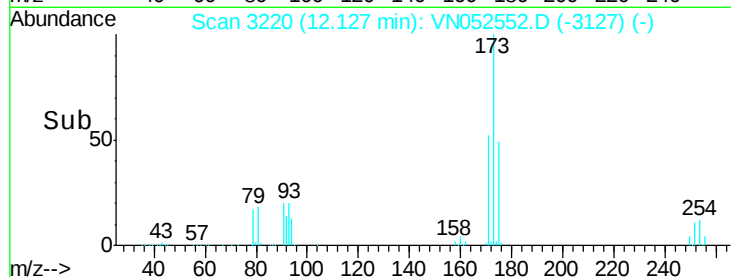
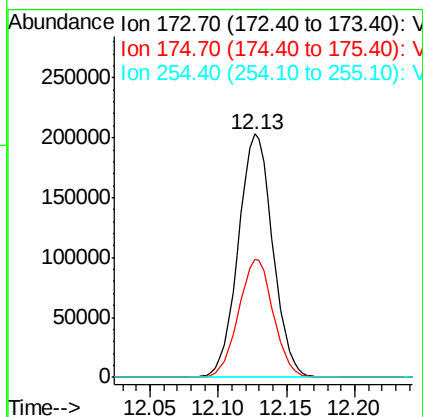
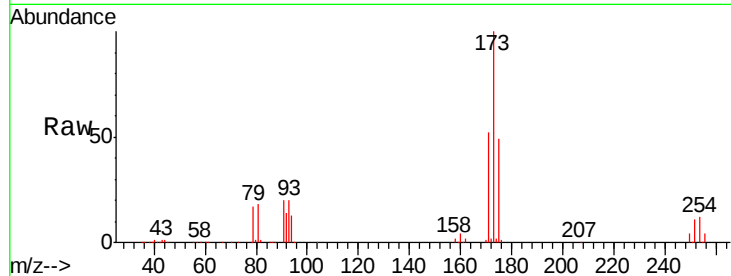
#71
Bromoform
Concen: 49.733 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.2
254	0.1	0.1	0.1#

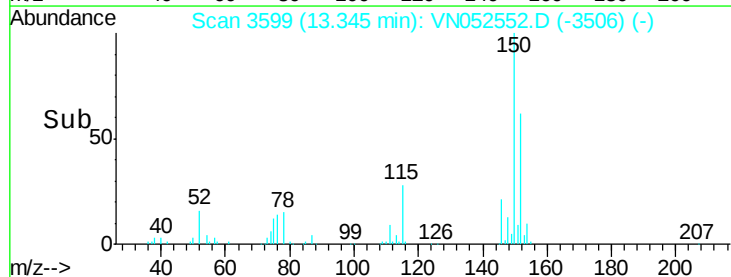
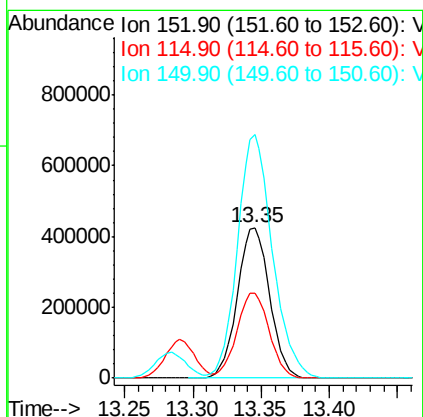
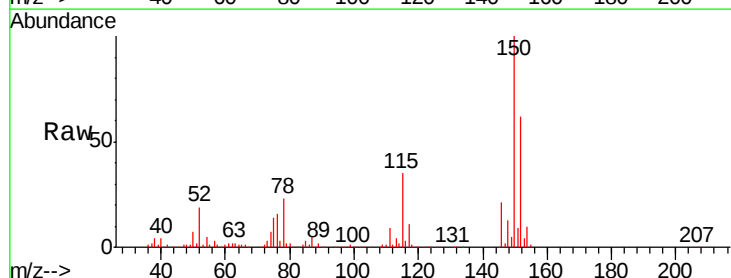
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.4	85.2
150	175.0	0.0	346.0





#73

Isopropylbenzene

Concen: 48.785 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 2669479

Ion Ratio Lower Upper

105 100

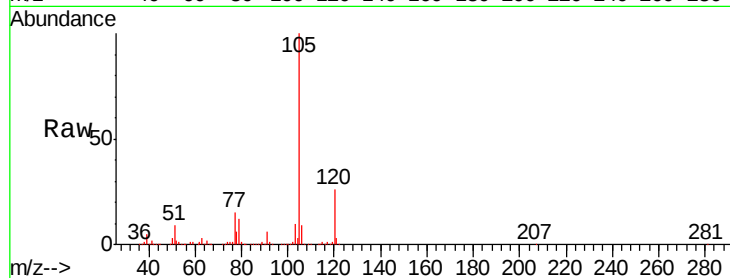
120 26.5 13.1 39.3

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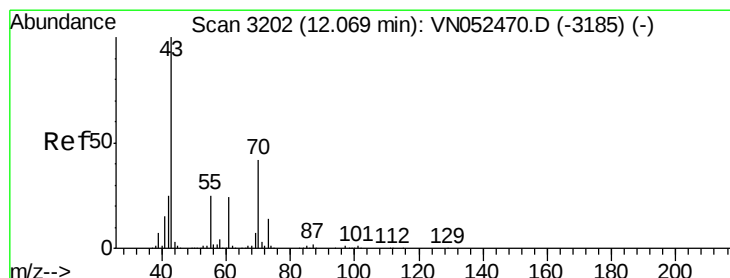
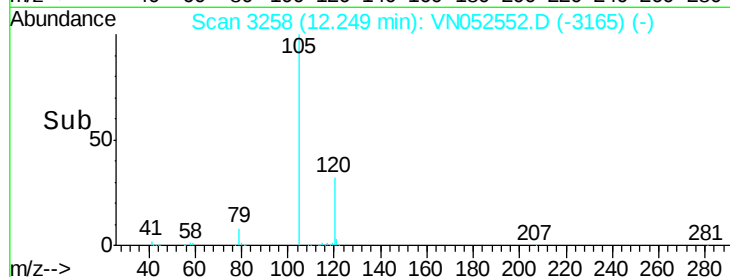
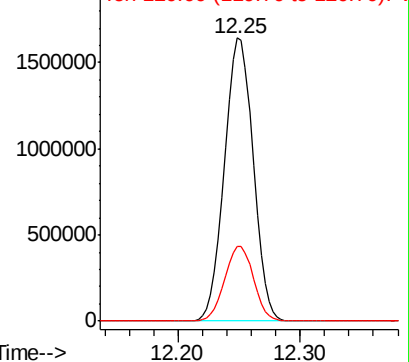
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.853 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Tgt Ion: 43 Resp: 661537

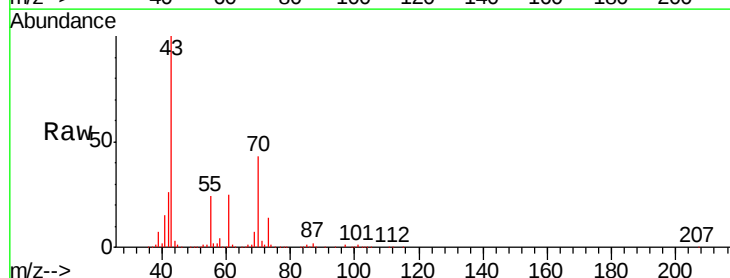
Ion Ratio Lower Upper

43 100

70 42.9 33.8 50.8

55 24.7 20.0 30.0

61 25.1 19.7 29.5

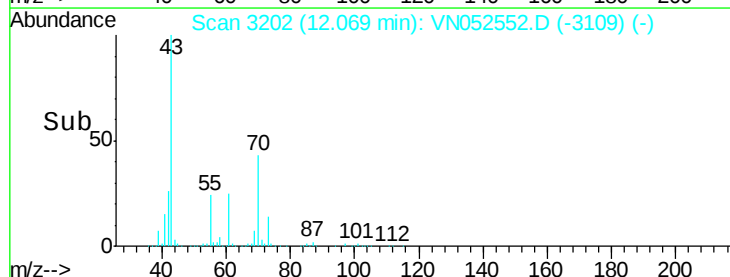
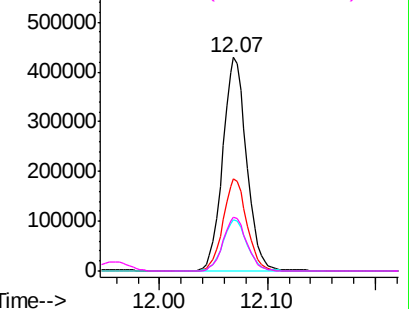


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.145 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 561948
Ion Ratio Lower Upper

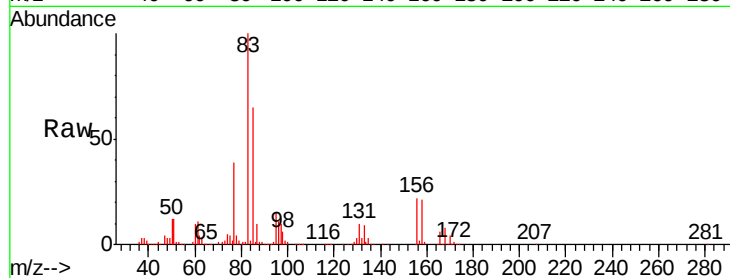
83 100

131 10.3 5.0 15.0

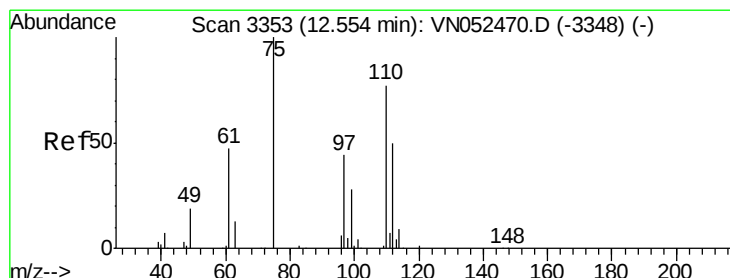
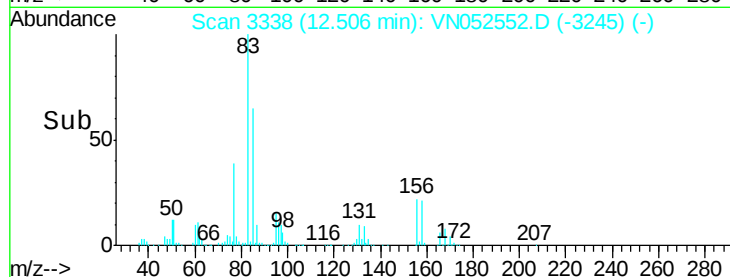
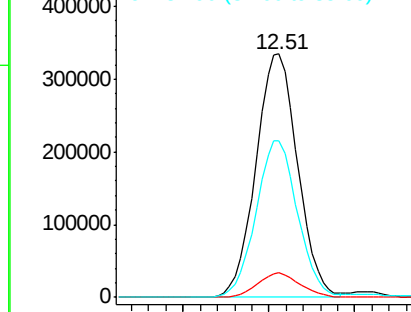
85 64.4 31.9 95.9

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN0
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 44.693 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

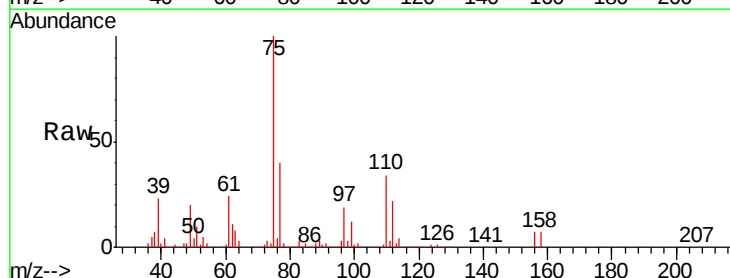
Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

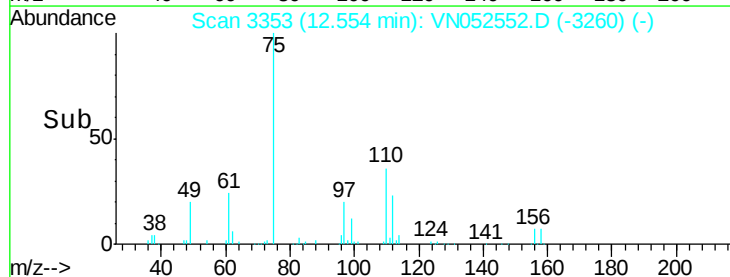
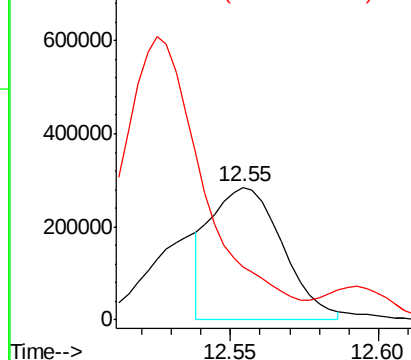
Tgt Ion: 75 Resp: 480676
Ion Ratio Lower Upper

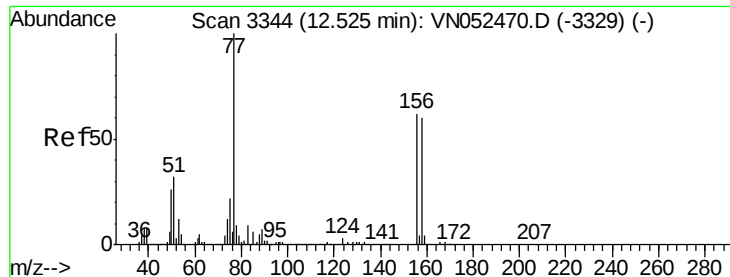
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.656 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

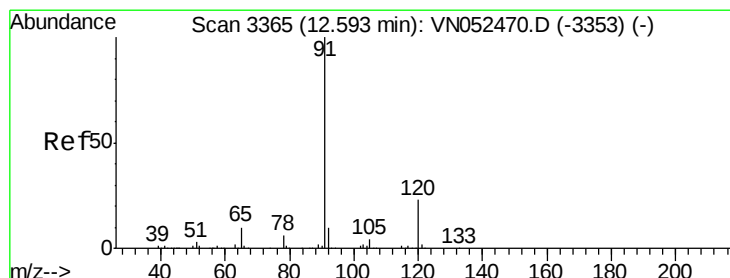
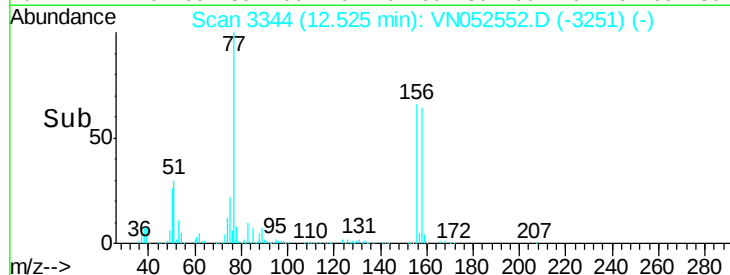
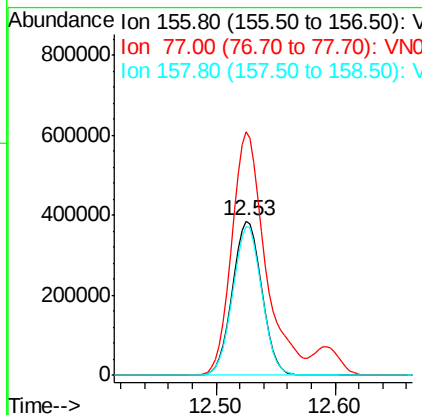
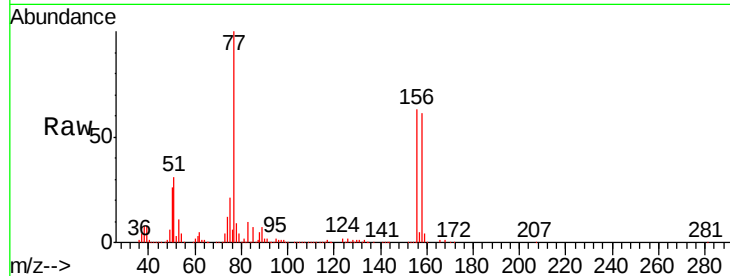
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	658087
Ion Ratio	Lower	Upper	
156	100		
77	181.2	93.5	280.4
158	96.1	48.3	144.9

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#78

n-propylbenzene

Concen: 49.877 ug/l

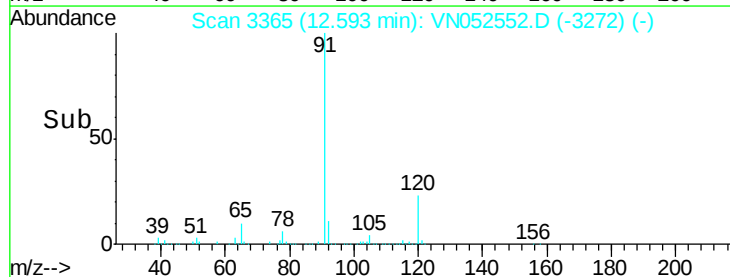
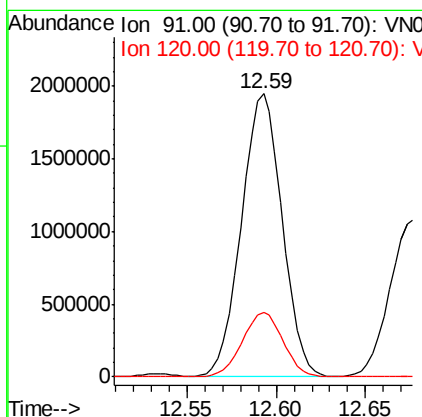
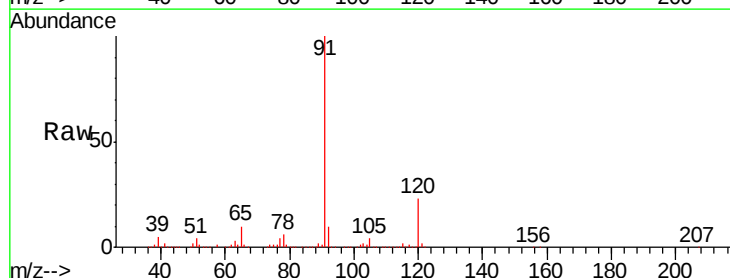
RT: 12.59 min Scan# 3365

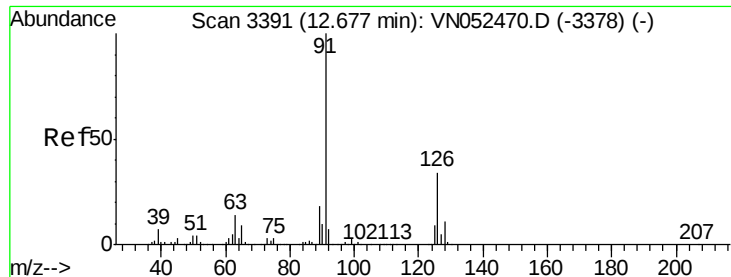
Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Tgt Ion:	91	Resp:	3100539
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.3	33.9





#79

2-Chlorotoluene

Concen: 48.216 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052552.D

Acq: 29 Nov 2018 9:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1784910

Ion Ratio Lower Upper

91 100

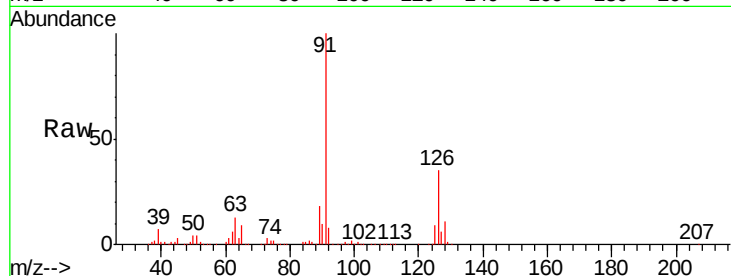
126 34.7 17.2 51.6

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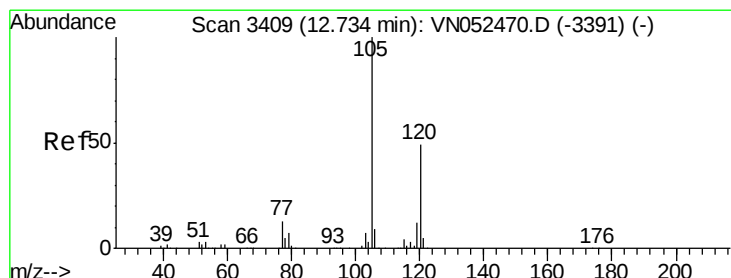
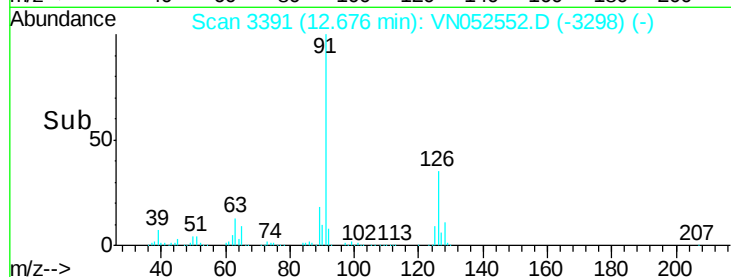
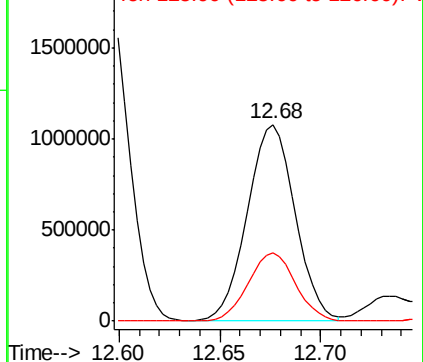
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Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052470.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.644 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052552.D

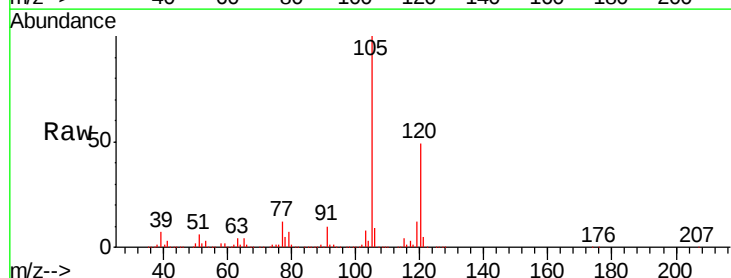
Acq: 29 Nov 2018 9:18

Tgt Ion: 105 Resp: 2166547

Ion Ratio Lower Upper

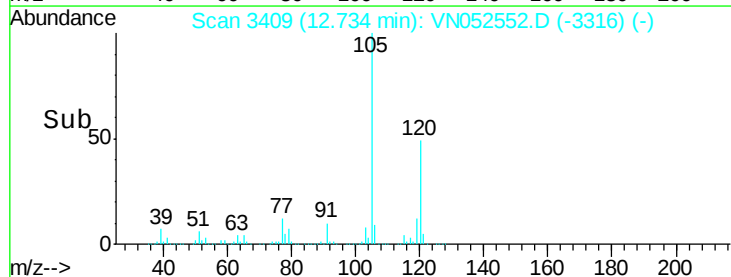
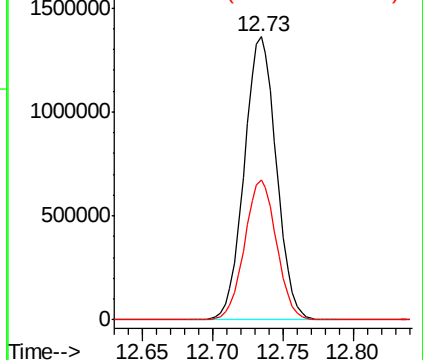
105 100

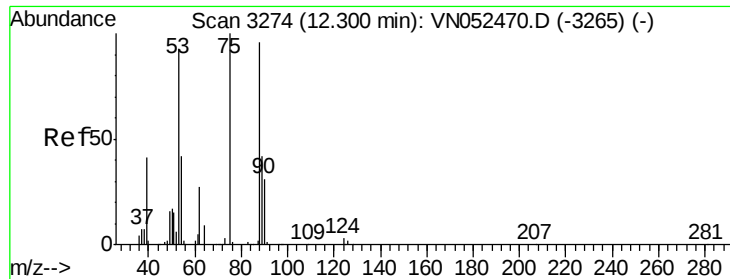
120 49.1 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)





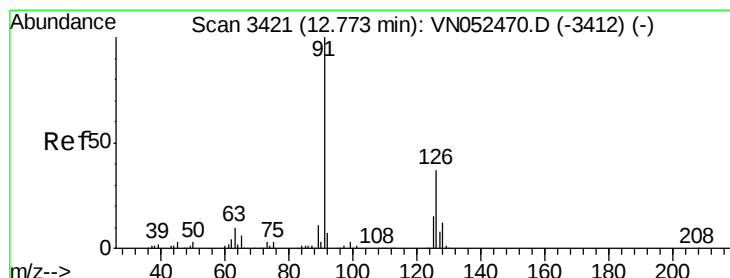
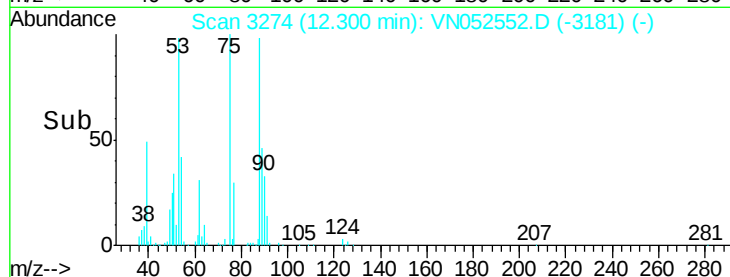
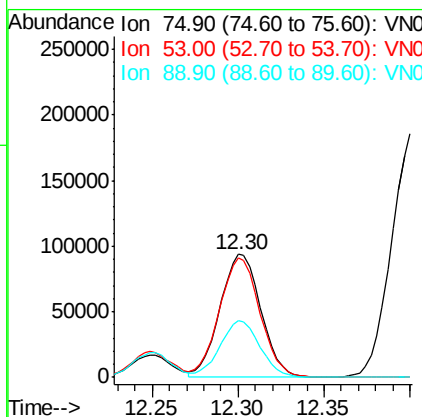
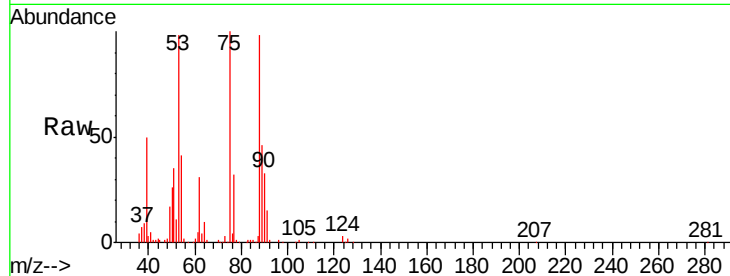
#81
trans-1,4-Dichloro-2-butene
Concen: 48.596 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	96.7	77.4	116.0
89	45.1	35.4	53.2

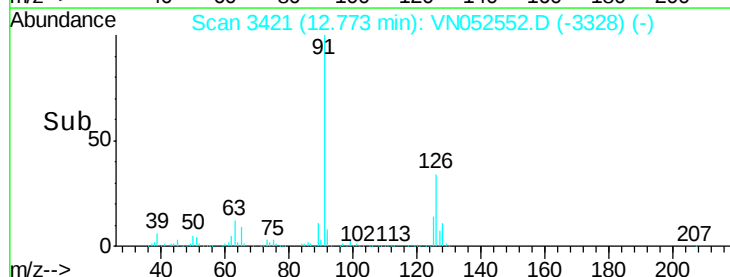
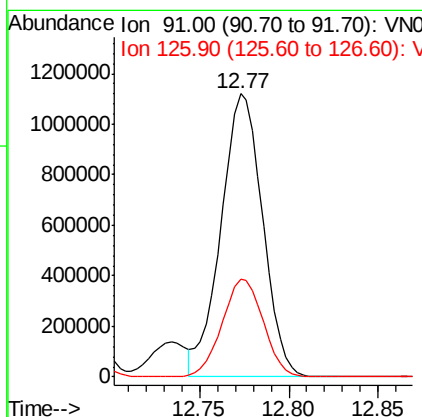
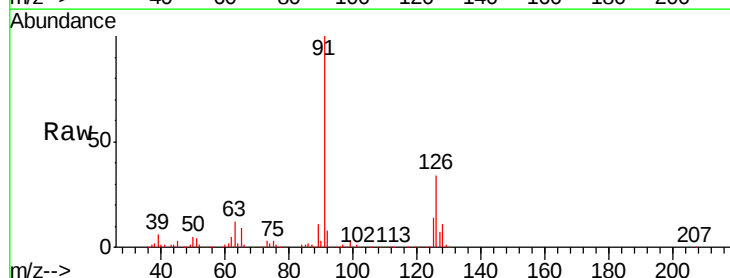
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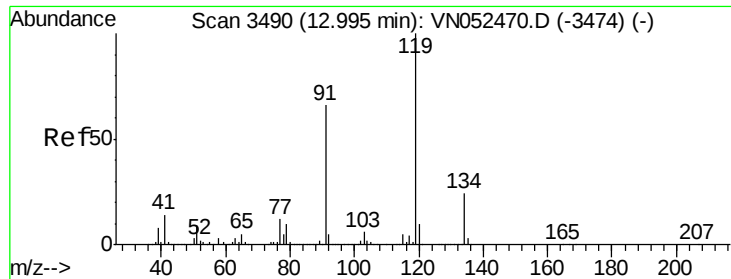
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#82
4-Chlorotoluene
Concen: 48.679 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.9	50.6





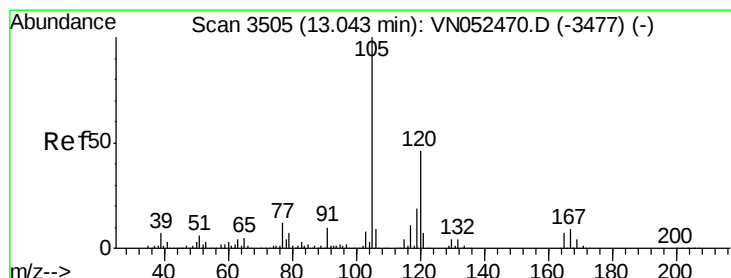
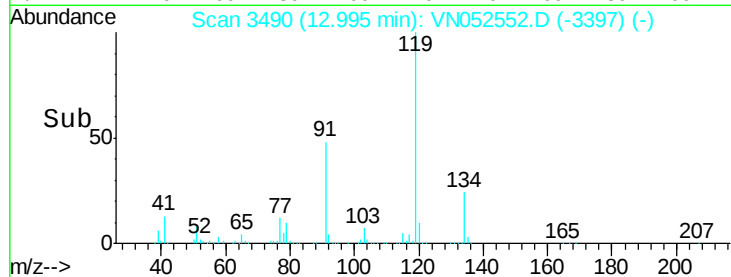
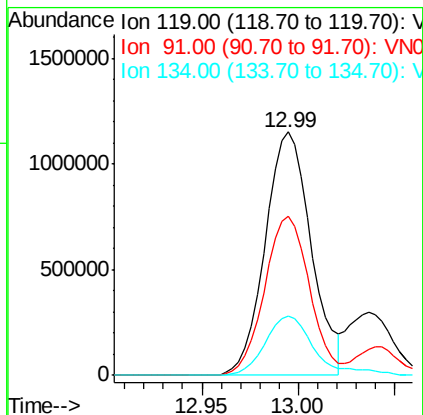
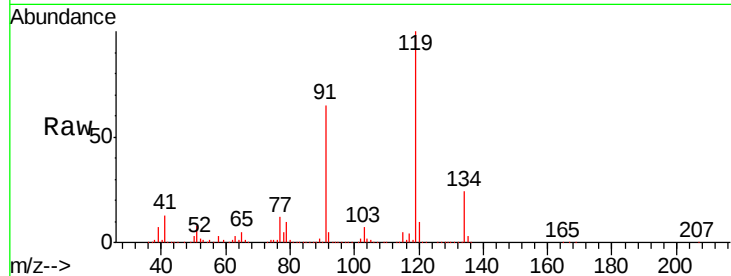
#83
 tert-Butylbenzene
 Concen: 48.980 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1905626
 Ion Ratio Lower Upper
 119 100
 91 64.1 32.3 96.9
 134 26.0 13.0 38.9

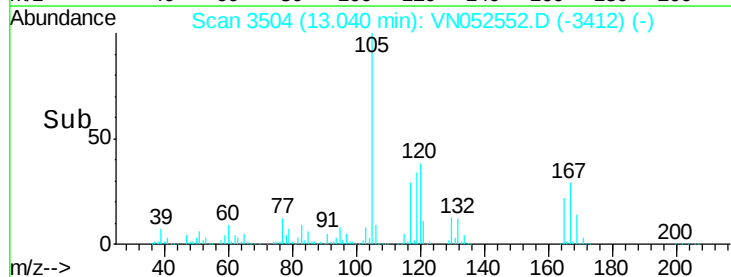
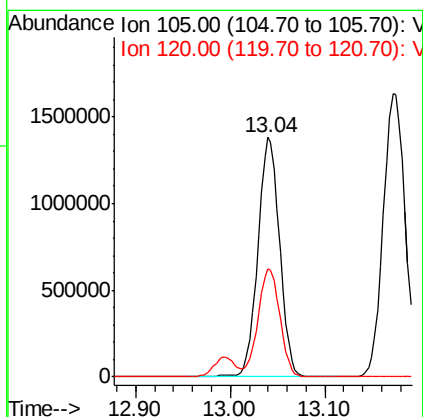
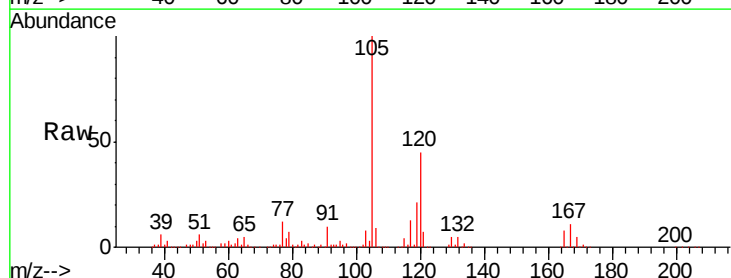
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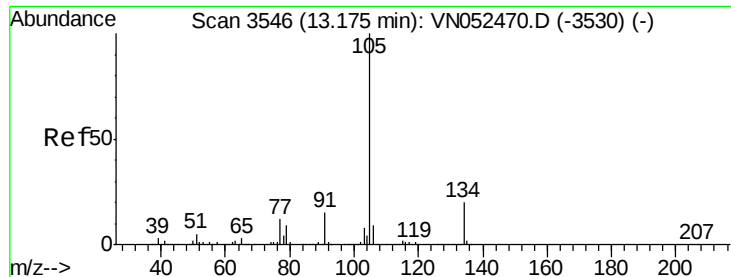
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.226 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Tgt Ion:105 Resp: 2196663
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.4





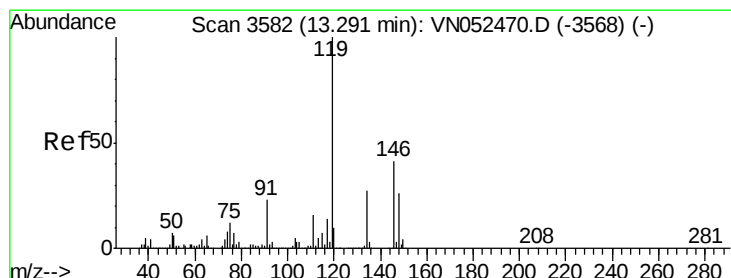
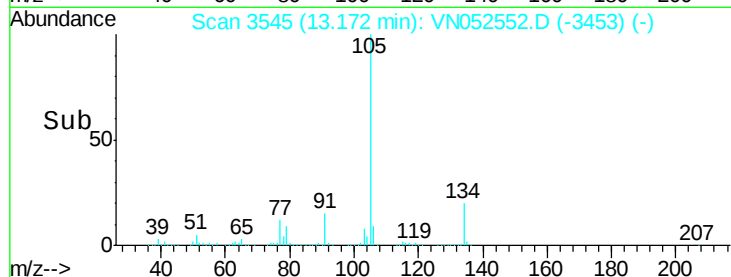
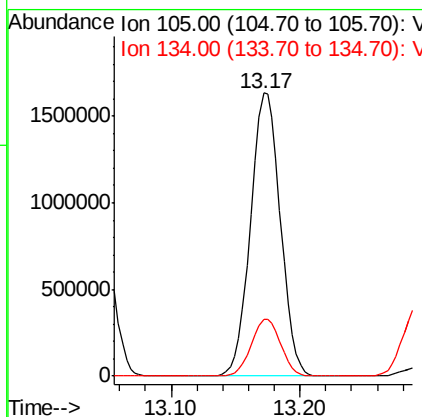
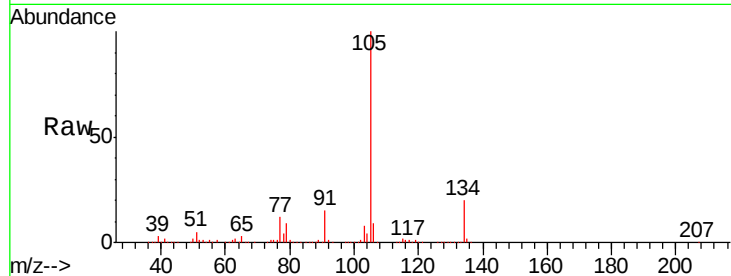
#85
 sec-Butylbenzene
 Concen: 49.638 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 2630372
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.9 29.7

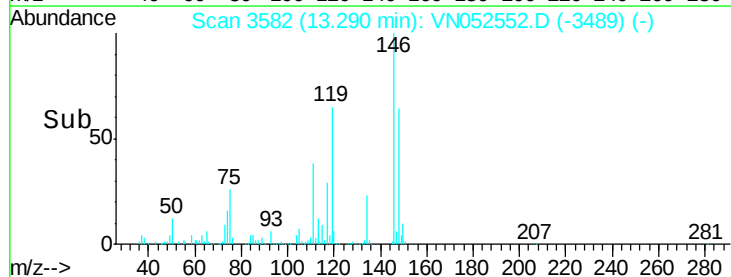
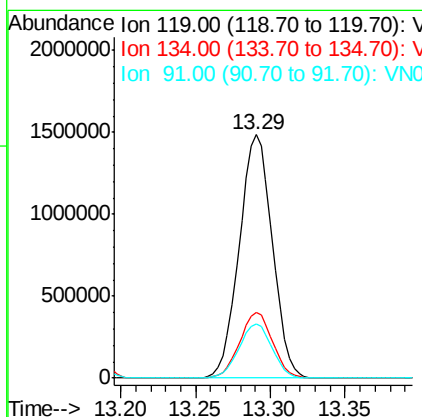
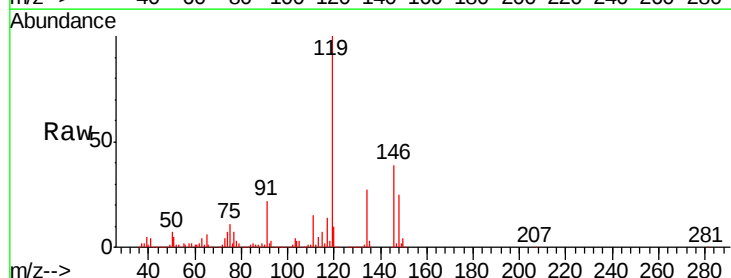
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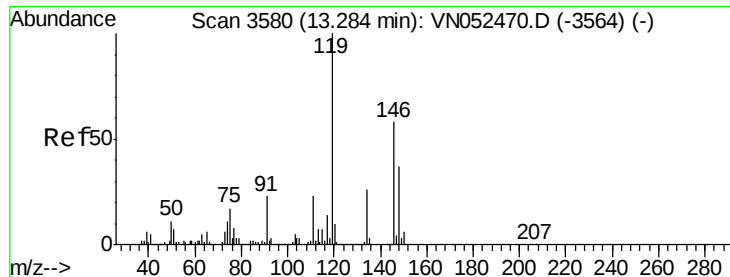
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#86
 p-Isopropyltoluene
 Concen: 50.571 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Tgt Ion:119 Resp: 2282500
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.2
 91 22.3 11.4 34.2





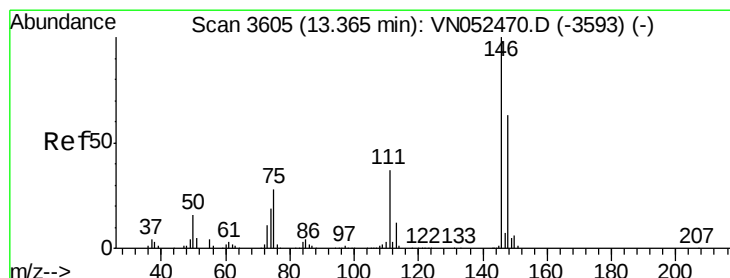
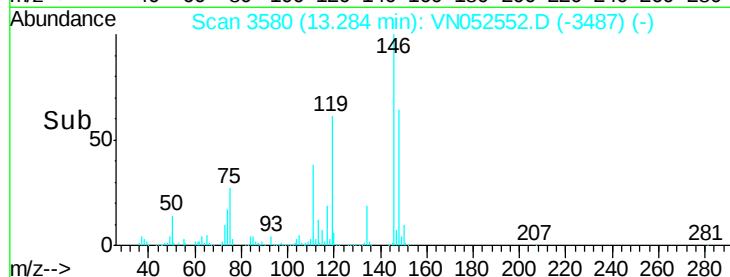
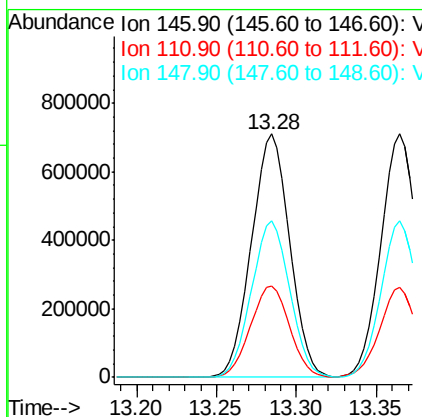
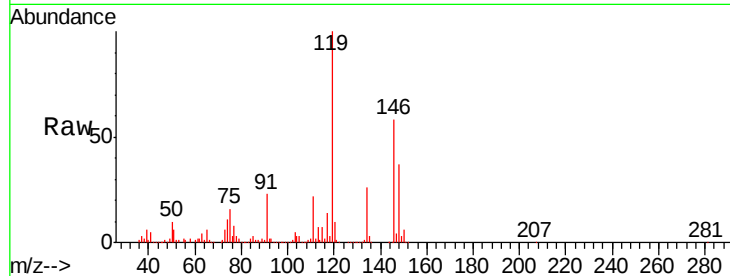
#87
 1,3-Dichlorobenzene
 Concen: 49.316 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1166757
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.4 58.4
 148 64.3 31.8 95.4

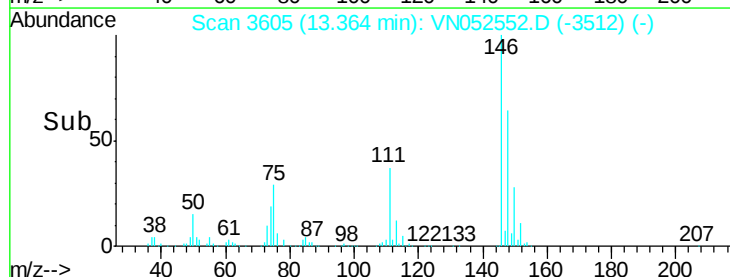
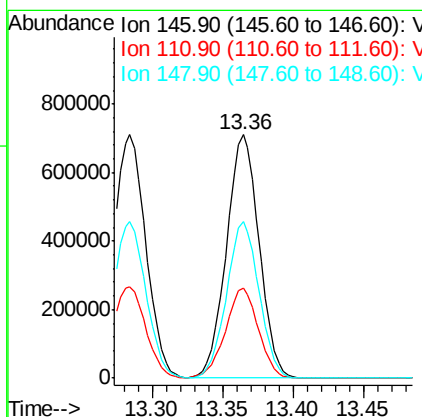
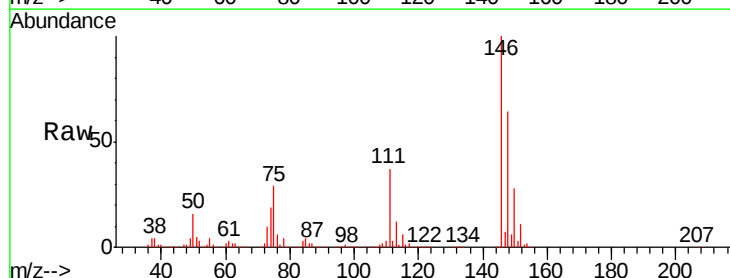
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#88
 1,4-Dichlorobenzene
 Concen: 49.291 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Tgt Ion:146 Resp: 1148656
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 56.0
 148 64.0 31.9 95.9





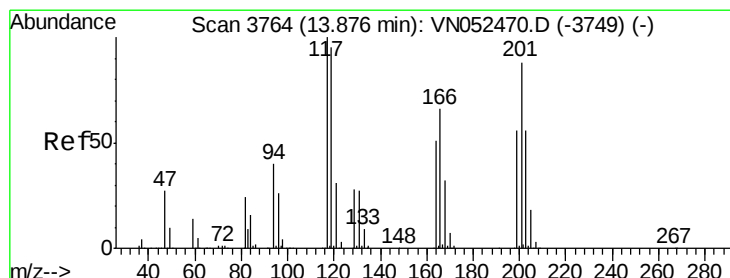
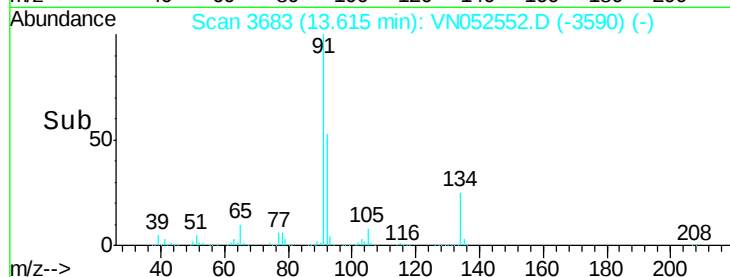
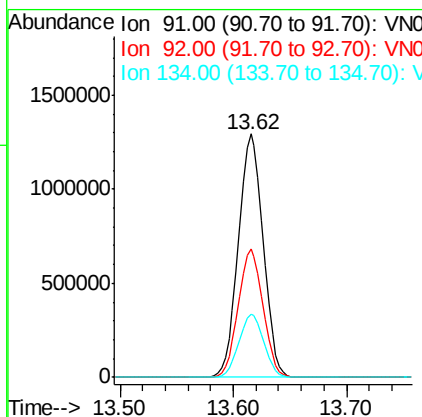
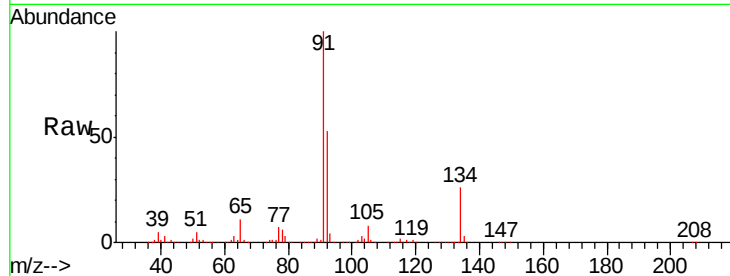
#89
n-Butylbenzene
Concen: 52.685 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1977595
Ion Ratio Lower Upper
91 100
92 52.4 26.1 78.3
134 26.1 13.0 38.9

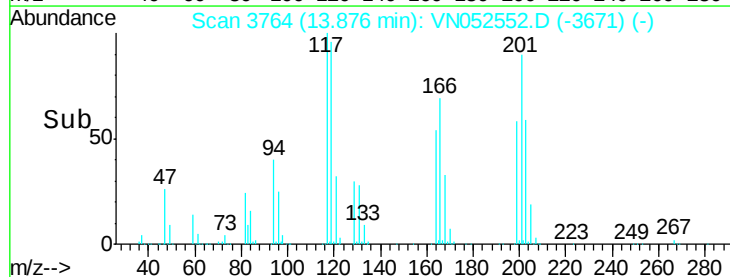
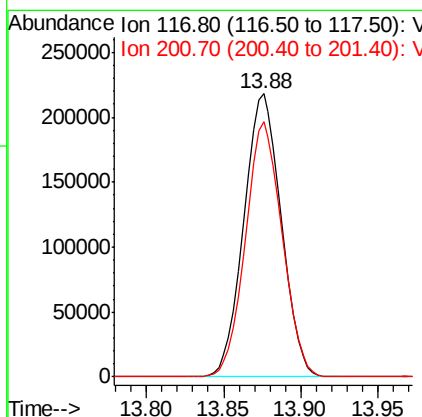
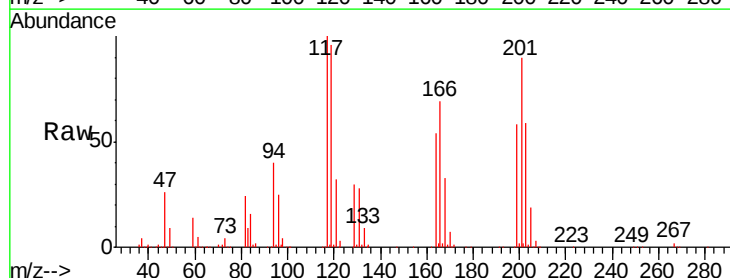
Manual Integrations
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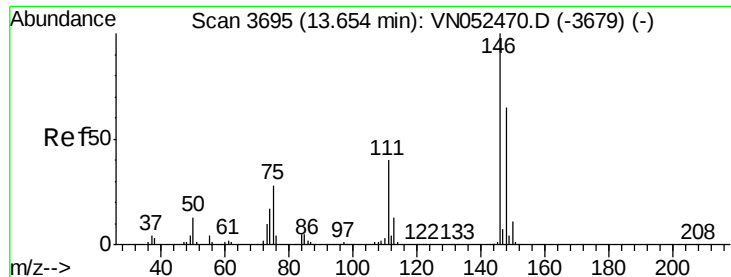
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#90
Hexachloroethane
Concen: 48.054 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion: 117 Resp: 367239
Ion Ratio Lower Upper
117 100
201 88.5 43.6 130.9





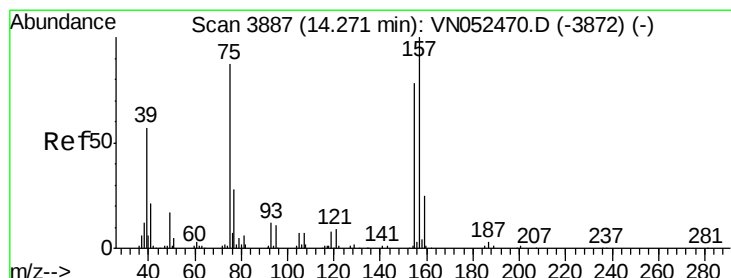
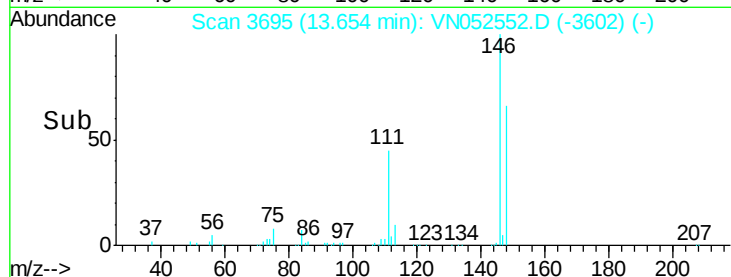
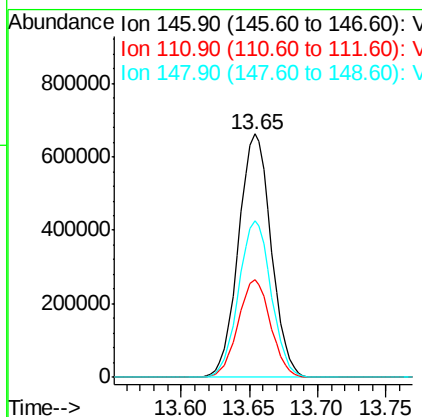
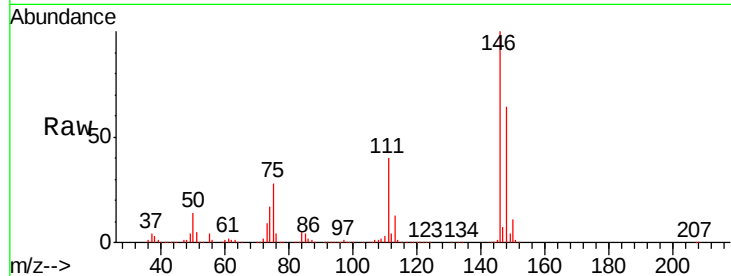
#91
 1,2-Dichlorobenzene
 Concen: 48.691 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 1100589
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 64.3 32.0 96.2

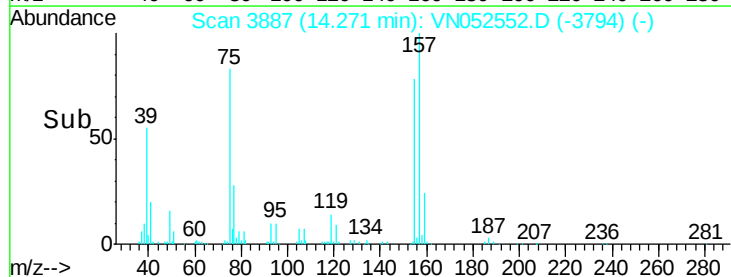
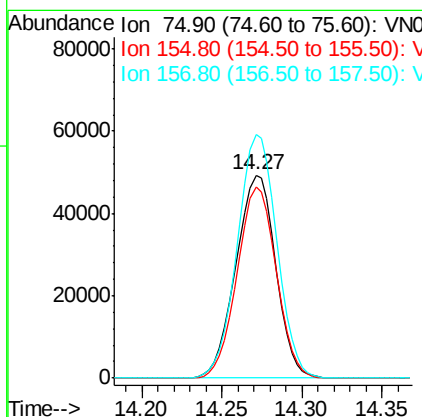
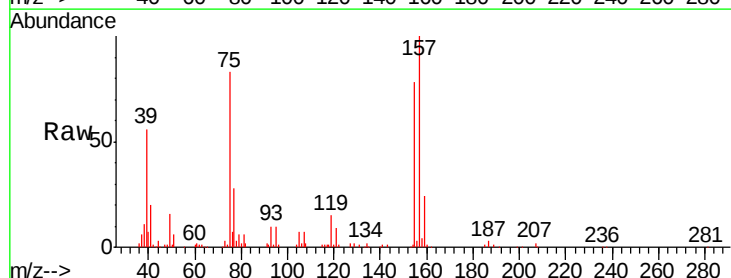
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.908 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Tgt Ion: 75 Resp: 83510
 Ion Ratio Lower Upper
 75 100
 155 92.3 45.3 135.9
 157 119.1 58.1 174.2





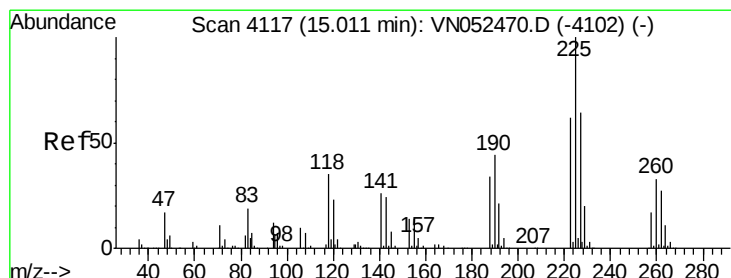
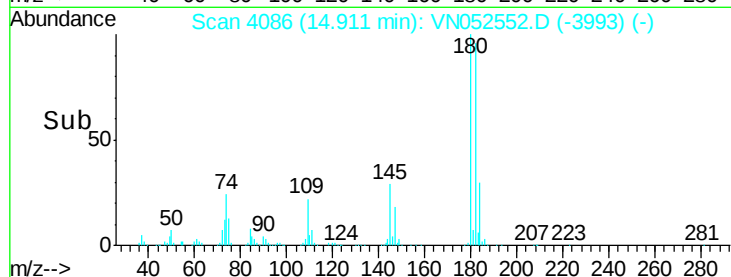
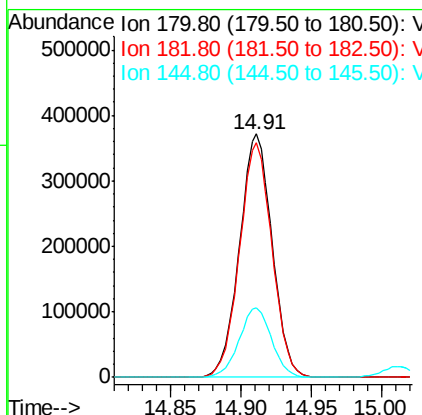
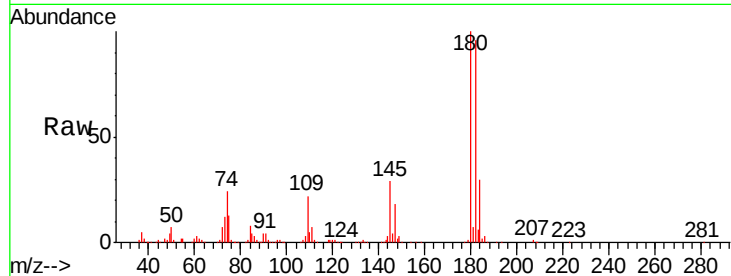
#93
 1,2,4-Trichlorobenzene
 Concen: 48.604 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.0	47.8	143.4
145	28.5	14.1	42.3

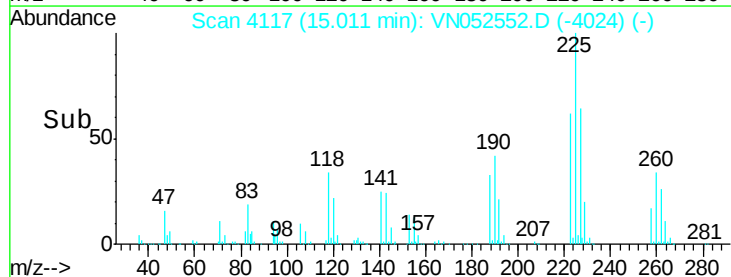
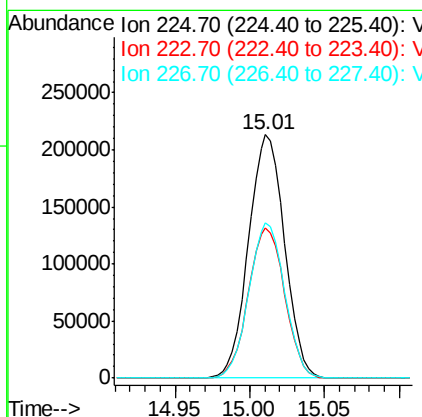
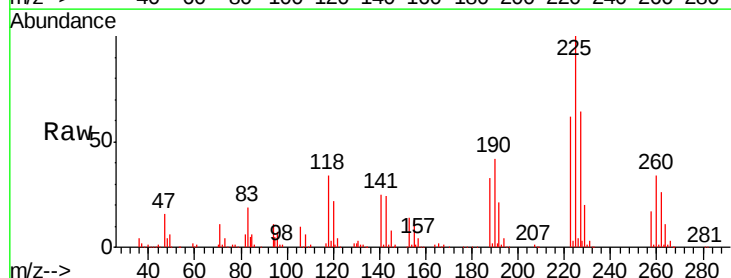
Manual Integrations
 APPROVED

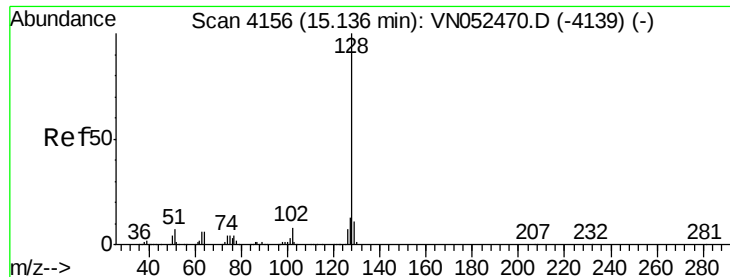
MMDadoda
 11/30/2018 11:11:54 AM



#94
 Hexachlorobutadiene
 Concen: 49.121 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052552.D
 Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	62.3	31.4	94.2
227	63.5	32.5	97.4





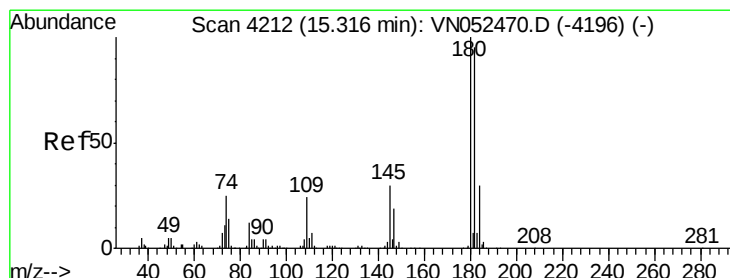
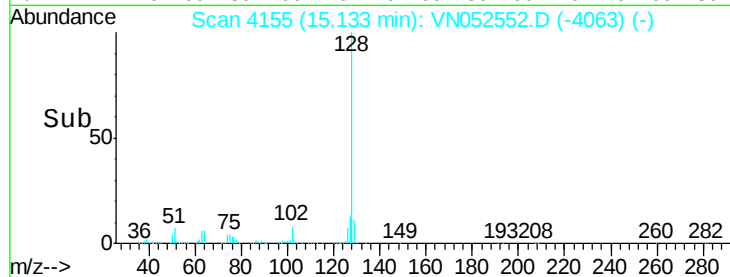
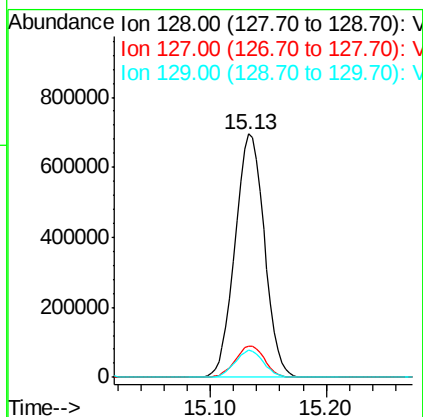
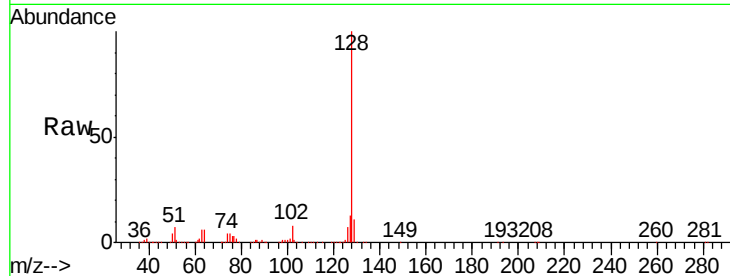
#95
Naphthalene
Concen: 46.601 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/30/2018 11:11:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.212 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052552.D
Acq: 29 Nov 2018 9:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.8	143.3
145	29.5	15.2	45.5

