

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\
 Data File : VN052428.D
 Acq On : 21 Nov 2018 10:44
 Operator : MD\SY
 Sample : VN1121WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 23:53:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	266115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	439437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	387931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	167803	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	198405	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
35) Dibromofluoromethane	7.59	113	146070	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	10.09	98	542501	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.40	95	181070	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	55847	19.804	ug/l 99
3) Chloromethane	2.06	50	71714	18.300	ug/l 99
4) Vinyl Chloride	2.19	62	63834	18.844	ug/l 100
5) Bromomethane	2.58	94	35122	16.631	ug/l 93
6) Chloroethane	2.71	64	36940	19.287	ug/l 99
7) Trichlorofluoromethane	3.02	101	98980	21.116	ug/l 97
8) Diethyl Ether	3.41	74	31772	17.784	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.77	101	58747	19.845	ug/l 97
10) Methyl Iodide	3.96	142	61850	15.561	ug/l 95
11) Tert butyl alcohol	4.78	59	15456	77.867	ug/l # 87
12) 1,1-Dichloroethene	3.74	96	50064	18.275	ug/l 95
13) Acrolein	3.61	56	22367	89.974	ug/l 96
14) Allyl chloride	4.33	41	111912	19.896	ug/l 95
15) Acrylonitrile	4.99	53	100446	88.622	ug/l 98
16) Acetone	3.82	43	106138	102.564	ug/l 94
17) Carbon Disulfide	4.06	76	150286	19.132	ug/l 99
18) Methyl Acetate	4.32	43	51805	18.142	ug/l 97
19) Methyl tert-butyl Ether	5.04	73	148916	18.916	ug/l 98
20) Methylene Chloride	4.55	84	61877	19.223	ug/l 97
21) trans-1,2-Dichloroethene	5.05	96	56145	19.036	ug/l 98
22) Diisopropyl ether	5.95	45	232139	20.226	ug/l 98
23) Vinyl Acetate	5.90	43	714690	91.797	ug/l 99
24) 1,1-Dichloroethane	5.85	63	122020	19.827	ug/l 99
25) 2-Butanone	6.84	43	137816	94.613	ug/l 97
26) 2,2-Dichloropropane	6.83	77	85632	18.923	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	63666	18.543	ug/l 94
28) Bromochloromethane	7.20	49	59739	18.879	ug/l 96
29) Tetrahydrofuran	7.21	42	83535	87.298	ug/l 99
30) Chloroform	7.37	83	118328	20.175	ug/l 94
31) Cyclohexane	7.66	56	115738	19.611	ug/l # 96
32) 1,1,1-Trichloroethane	7.57	97	99026	19.820	ug/l 97
36) 1,1-Dichloropropene	7.80	75	88885	20.181	ug/l 99
37) Ethyl Acetate	6.93	43	58661	18.351	ug/l 96
38) Carbon Tetrachloride	7.77	117	86989	21.497	ug/l 98

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 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 23:53:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	99280	19.745	ug/l	96
40) Benzene	8.04	78	248364	19.739	ug/l	97
41) Methacrylonitrile	7.18	41	34869	21.885	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	95362	21.254	ug/l	100
43) Isopropyl Acetate	8.16	43	108572	17.602	ug/l	99
44) Trichloroethene	8.84	130	62048	20.019	ug/l	99
45) 1,2-Dichloropropane	9.12	63	71273	19.959	ug/l	98
46) Dibromomethane	9.21	93	40542	19.612	ug/l	96
47) Bromodichloromethane	9.40	83	90100	21.240	ug/l	97
48) Methyl methacrylate	9.20	41	55096	17.603	ug/l	95
49) 1,4-Dioxane	9.20	88	9154	380.998	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	291571	93.907	ug/l	99
52) Toluene	10.16	92	148925	19.785	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	82095	19.189	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	96701	19.827	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	52774	19.340	ug/l	94
56) Ethyl methacrylate	10.43	69	61839	17.232	ug/l	92
57) 1,3-Dichloropropane	10.71	76	93951	19.439	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	187083	91.570	ug/l	100
59) 2-Hexanone	10.75	43	198884	93.126	ug/l	97
60) Dibromochloromethane	10.90	129	58612	19.853	ug/l	99
61) 1,2-Dibromoethane	11.01	107	50697	18.652	ug/l	99
64) Tetrachloroethene	10.63	164	56470	20.475	ug/l	97
65) Chlorobenzene	11.43	112	159823	19.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	56557	20.226	ug/l	100
67) Ethyl Benzene	11.51	91	290992	20.447	ug/l	98
68) m/p-Xylenes	11.62	106	208781	40.150	ug/l	95
69) o-Xylene	11.95	106	102562	20.576	ug/l	99
70) Styrene	11.97	104	164690	20.634	ug/l	98
71) Bromoform	12.13	173	33433	20.251	ug/l #	99
73) Isopropylbenzene	12.25	105	281167	20.841	ug/l	97
74) N-amyl acetate	12.07	43	79550	16.555	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	61585	18.883	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	79515	27.926	ug/l #	100
77) Bromobenzene	12.53	156	63136	20.113	ug/l	99
78) n-propylbenzene	12.59	91	327136	20.733	ug/l	99
79) 2-Chlorotoluene	12.68	91	191190	20.742	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	224571	20.932	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	14725	16.773	ug/l	86
82) 4-Chlorotoluene	12.77	91	194382	20.584	ug/l	97
83) tert-Butylbenzene	12.99	119	199217	21.032	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	225225	20.911	ug/l	98
85) sec-Butylbenzene	13.17	105	271638	21.053	ug/l	100
86) p-Isopropyltoluene	13.29	119	232261	21.250	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	111472	19.995	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	110167	19.876	ug/l	100
89) n-Butylbenzene	13.62	91	199586	21.261	ug/l	99
90) Hexachloroethane	13.88	117	40180	20.756	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	106591	19.734	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9459	19.669	ug/l	85

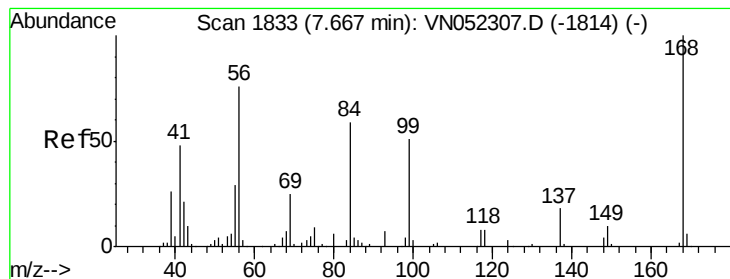
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\
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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	43369	18.735	ug/l	98
94) Hexachlorobutadiene	15.01	225	28217	22.824	ug/l	98
95) Naphthalene	15.13	128	92667	17.392	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	39975	19.477	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

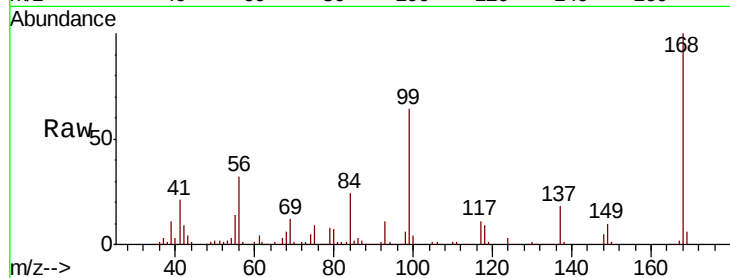
ClientSampleId :

Tot Ion:168 Resp: 266115

Ion Ratio Lower Upper

168 100

99 63.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

120000

100000

80000

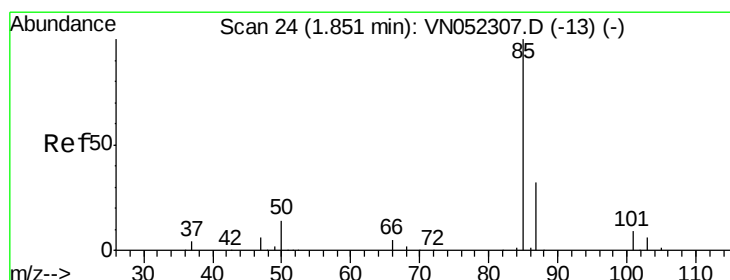
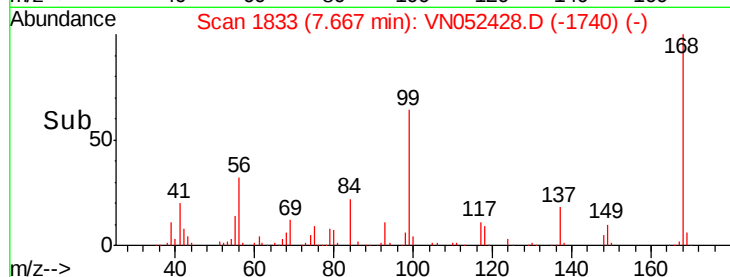
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.804 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052428.D

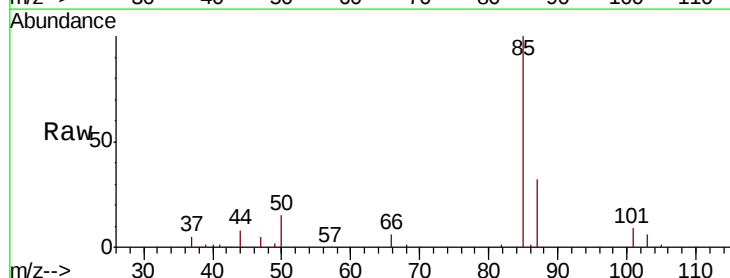
Acq: 21 Nov 2018 10:44

Tgt Ion: 85 Resp: 55847

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

50000

40000

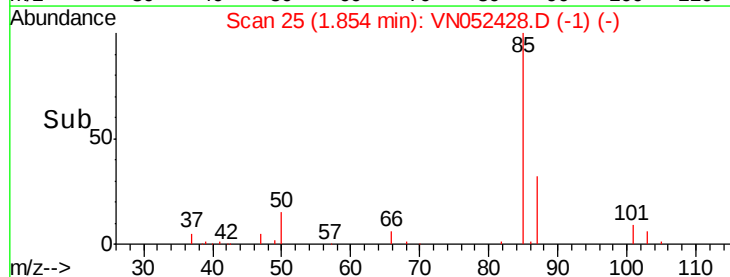
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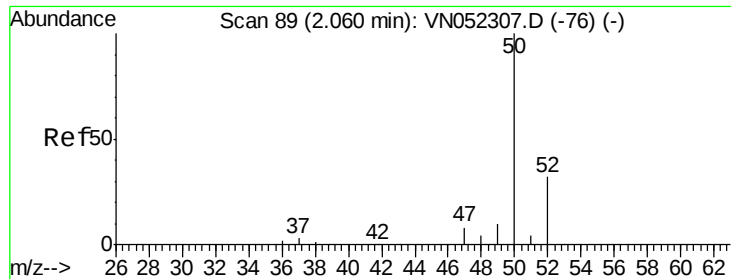
20000

10000

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Time-->





#3

Chloromethane

Concen: 18.300 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

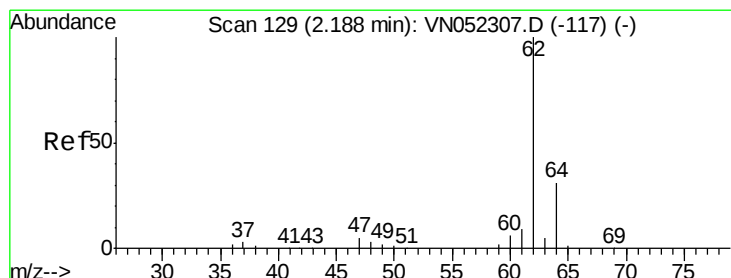
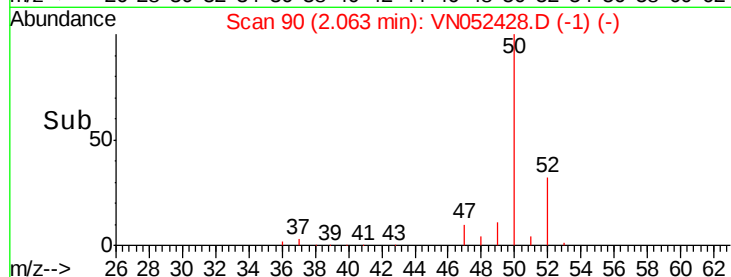
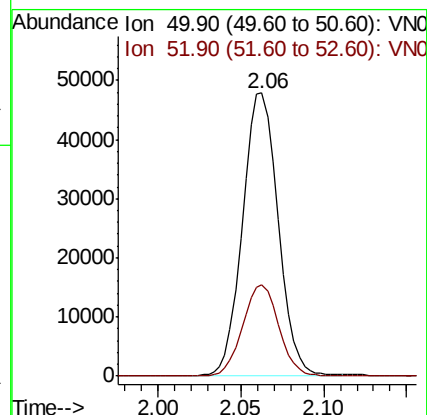
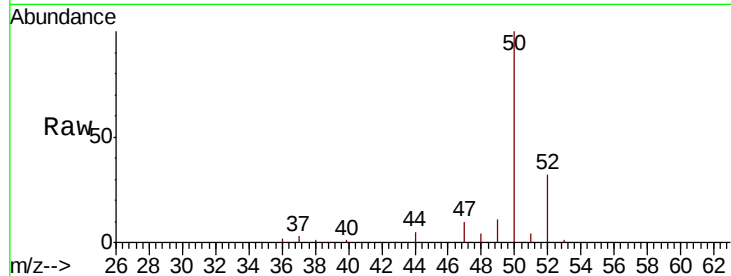
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 71714

Ion Ratio Lower Upper

50 100

52 32.5 25.5 38.3



#4

Vinyl Chloride

Concen: 18.844 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052428.D

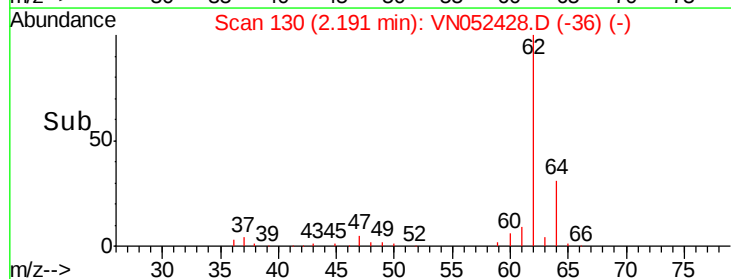
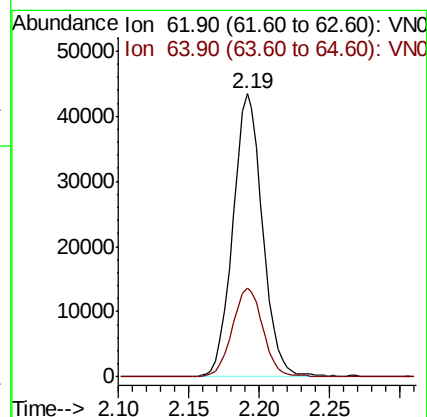
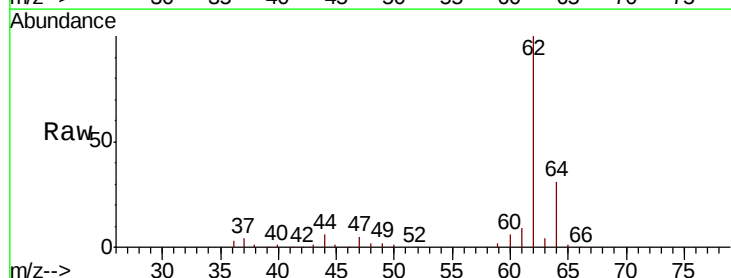
Acq: 21 Nov 2018 10:44

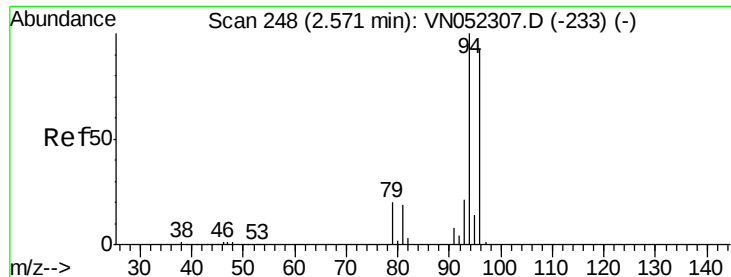
Tgt Ion: 62 Resp: 63834

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 16.631 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

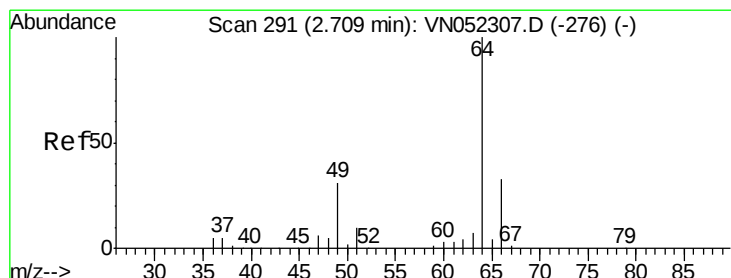
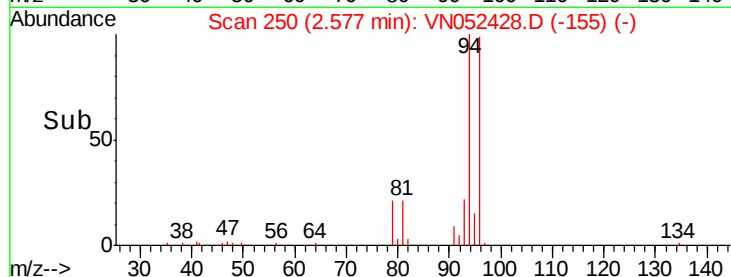
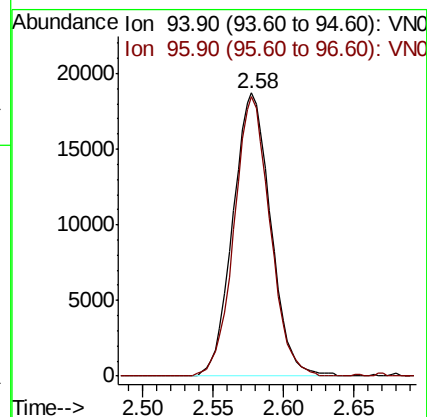
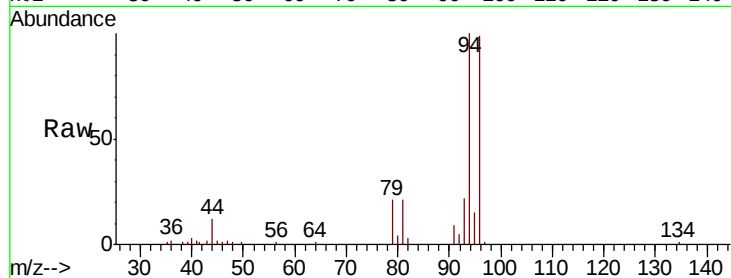
ClientSampleId :

Tot Ion: 94 Resp: 35122

Ion Ratio Lower Upper

94 100

96 98.8 73.6 110.4



#6

Chloroethane

Concen: 19.287 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052428.D

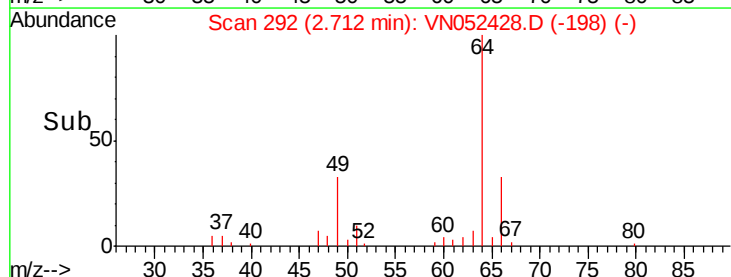
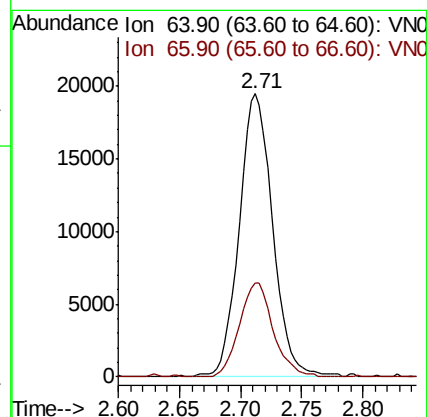
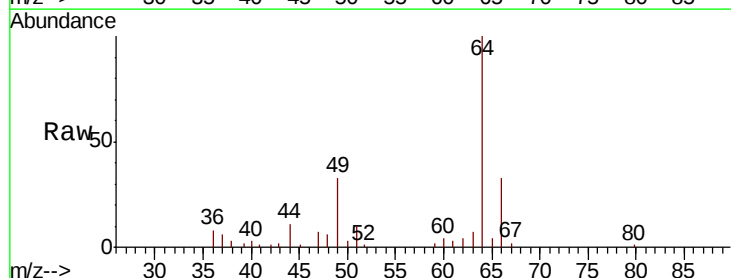
Acq: 21 Nov 2018 10:44

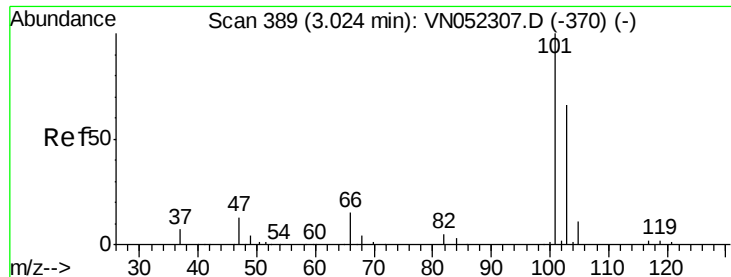
Tgt Ion: 64 Resp: 36940

Ion Ratio Lower Upper

64 100

66 33.2 26.2 39.2



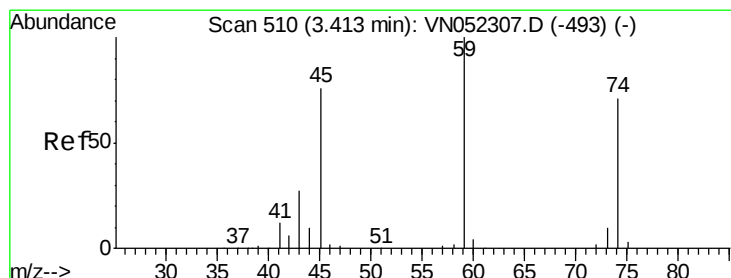
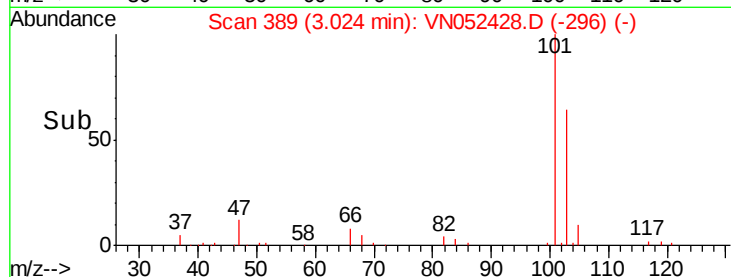
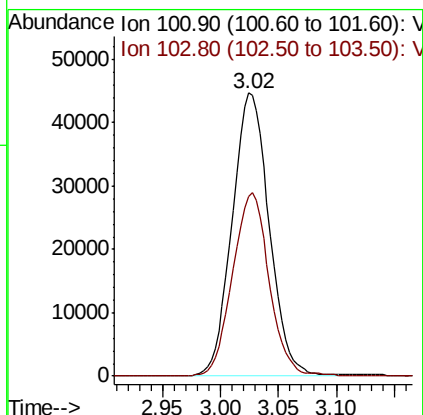
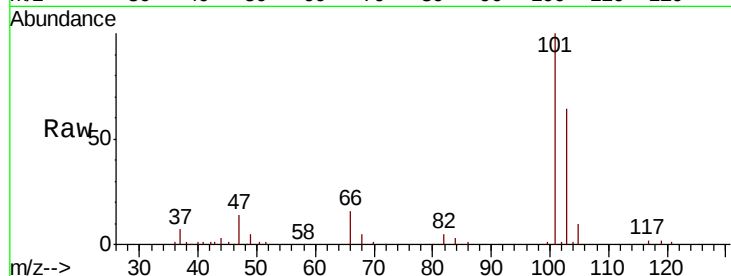


#7

Trichlorofluoromethane
Concen: 21.116 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :

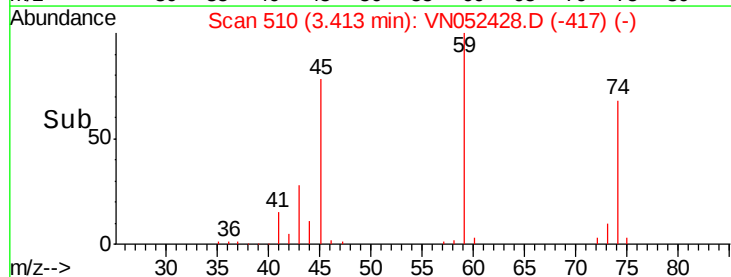
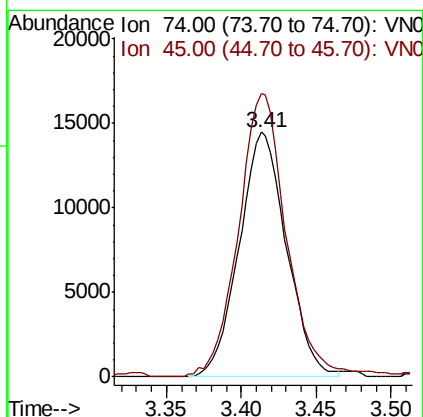
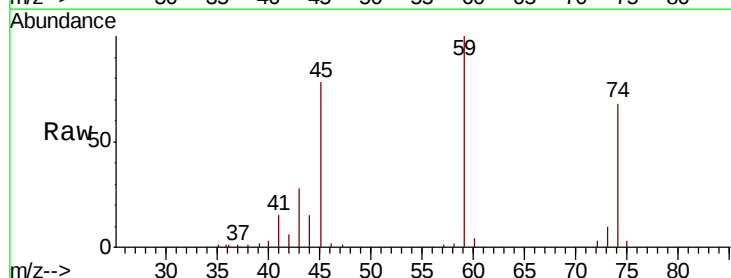
Tot Ion:101 Resp: 98980
Ion Ratio Lower Upper
101 100
103 63.6 52.8 79.2

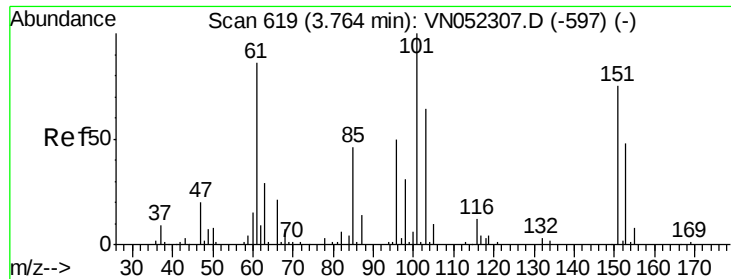


#8

Diethyl Ether
Concen: 17.784 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 74 Resp: 31772
Ion Ratio Lower Upper
74 100
45 118.5 54.3 162.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.845 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.01 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

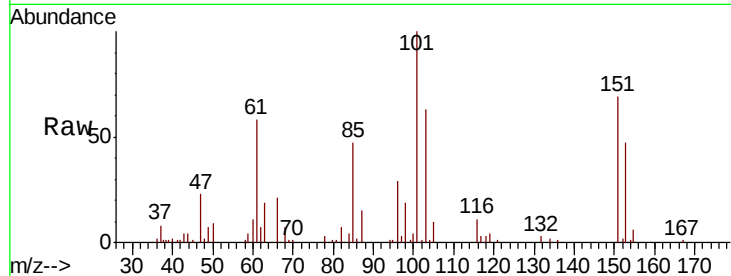
Tot Ion:101 Resp: 58747

Ion Ratio Lower Upper

101 100

85 49.1 37.4 56.0

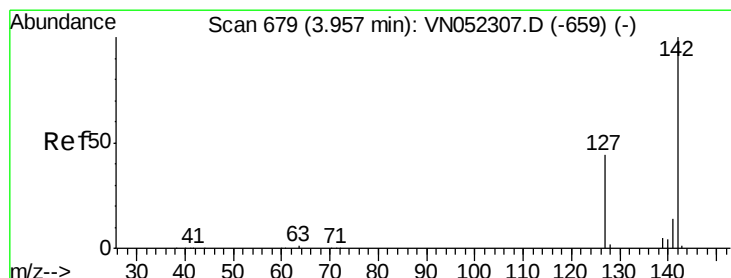
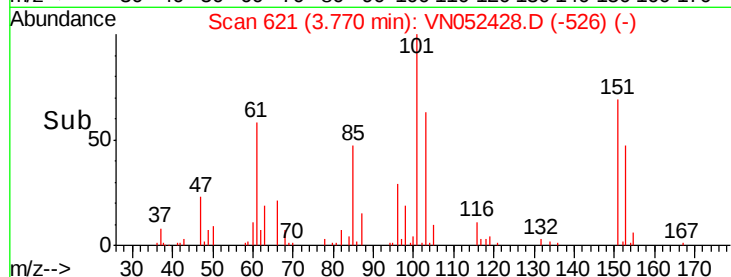
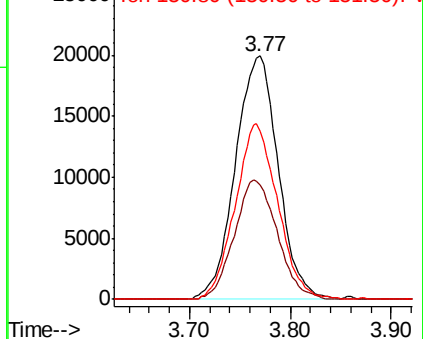
151 71.5 58.6 88.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.561 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

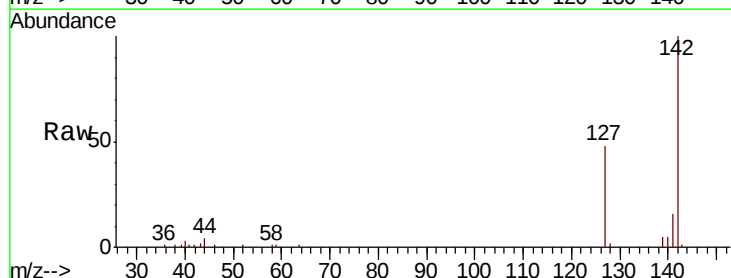
Tgt Ion:142 Resp: 61850

Ion Ratio Lower Upper

142 100

127 49.0 36.3 54.5

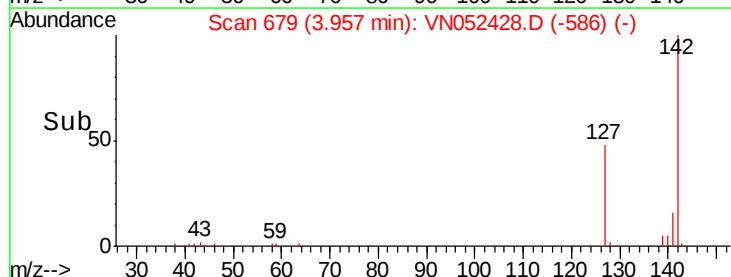
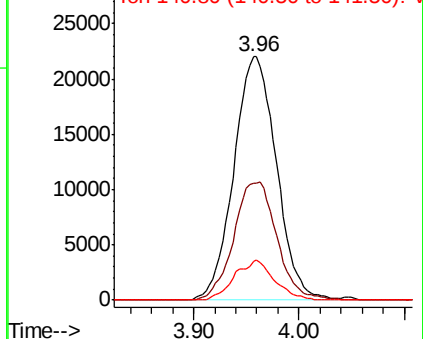
141 15.2 11.4 17.2

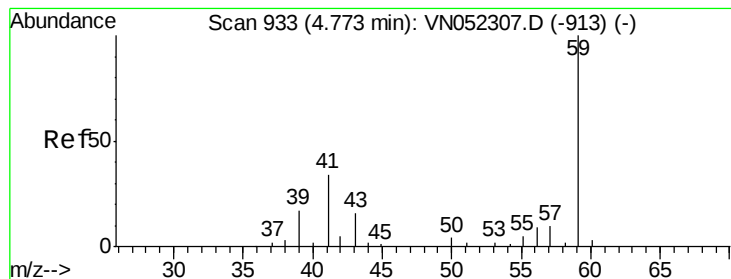


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



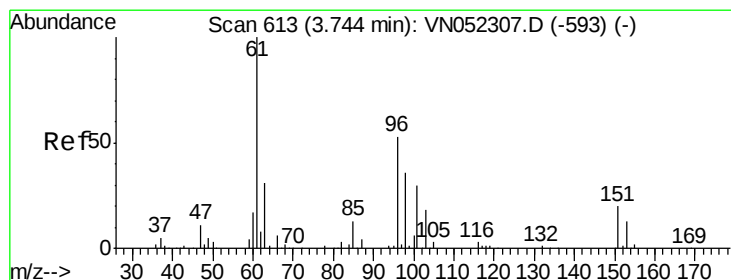
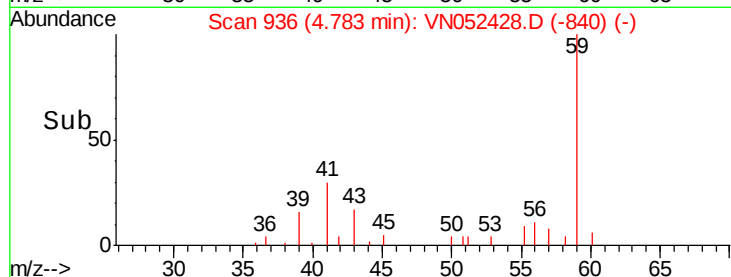
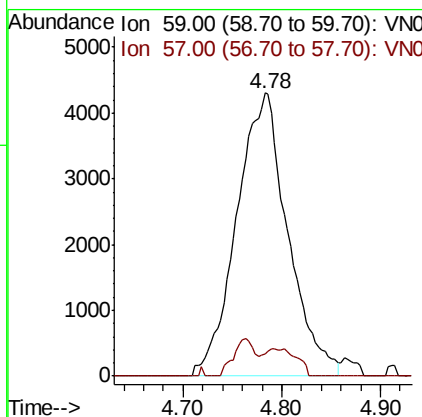
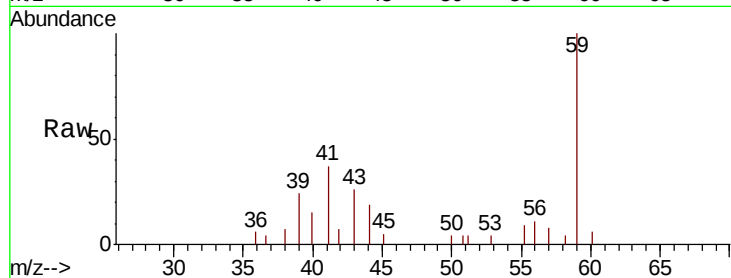


#11

Tert butyl alcohol
 Concen: 77.867 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :

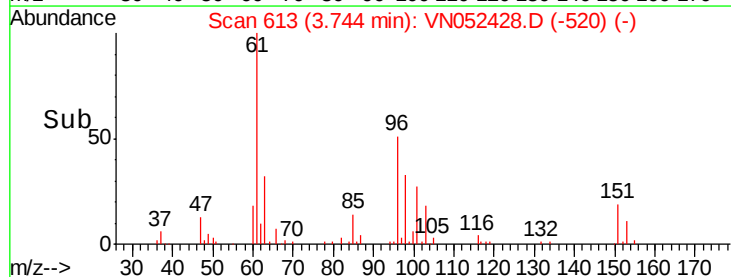
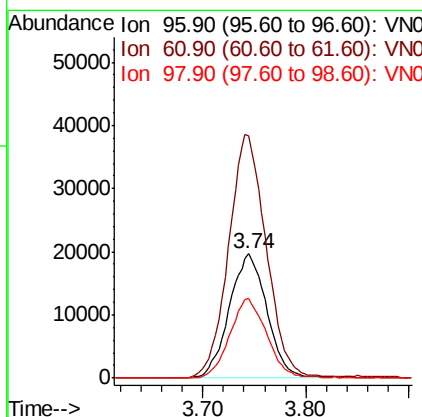
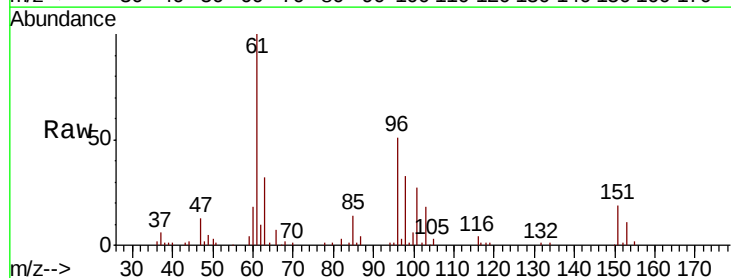
Tot Ion: 59 Resp: 15456
 Ion Ratio Lower Upper
 59 100
 57 5.6 8.5 12.7#

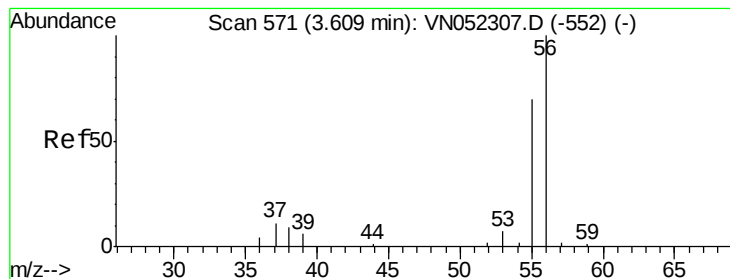


#12

1,1-Dichloroethene
 Concen: 18.275 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 96 Resp: 50064
 Ion Ratio Lower Upper
 96 100
 61 195.3 149.6 224.4
 98 64.0 54.2 81.2





#13

Acrolein

Concen: 89.974 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

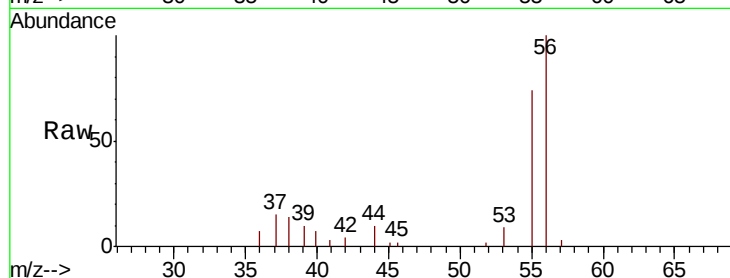
ClientSampleId :

Tot Ion: 56 Resp: 22367

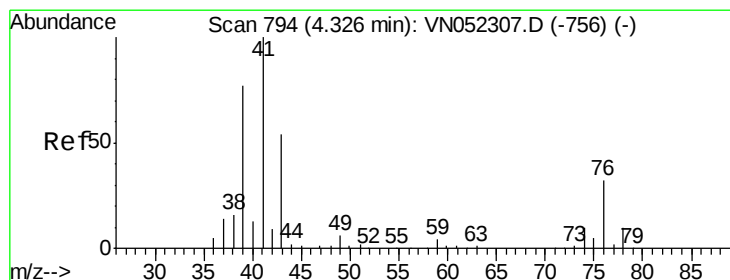
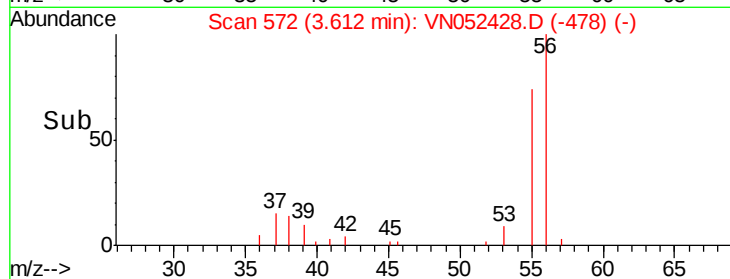
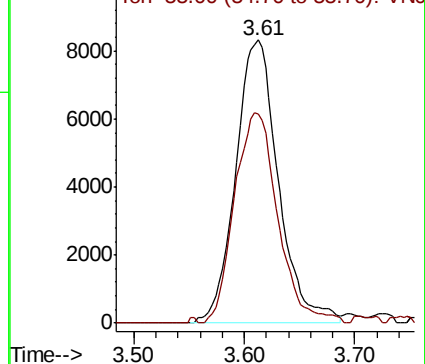
Ion Ratio Lower Upper

56 100

55 75.4 57.6 86.4



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 19.896 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

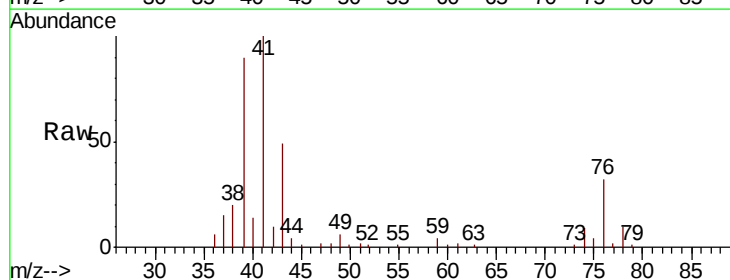
Tgt Ion: 41 Resp: 111912

Ion Ratio Lower Upper

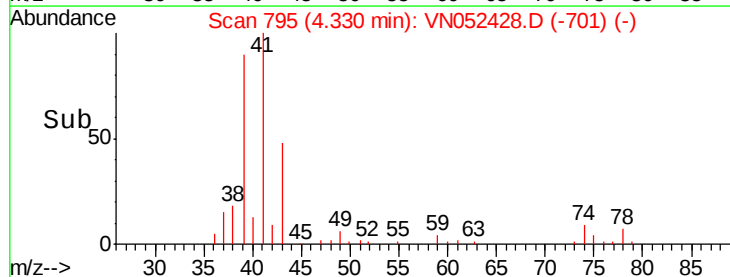
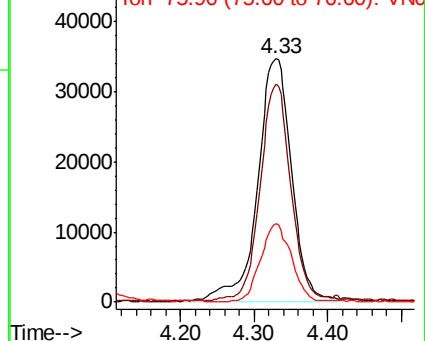
41 100

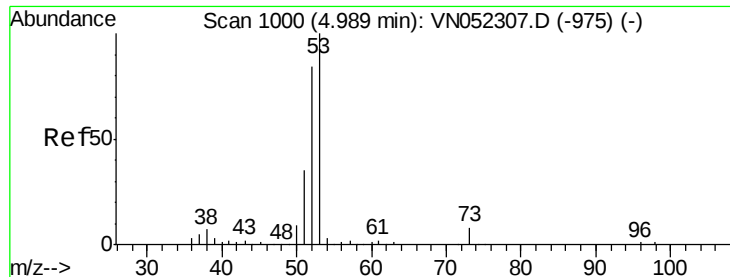
39 79.0 59.1 88.7

76 29.0 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 88.622 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

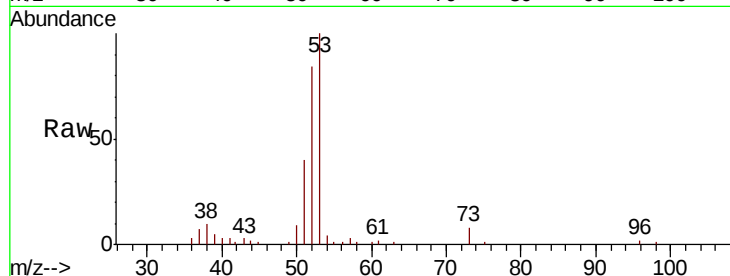
Tot Ion: 53 Resp: 100446

Ion Ratio Lower Upper

53 100

52 85.1 67.5 101.3

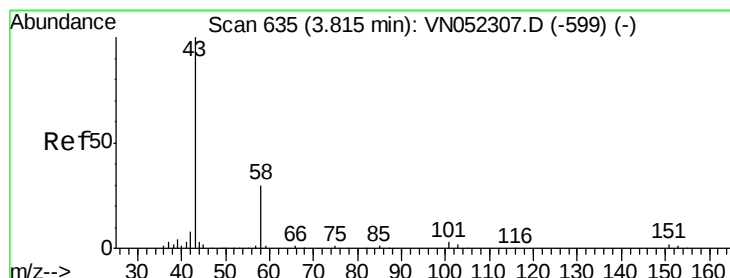
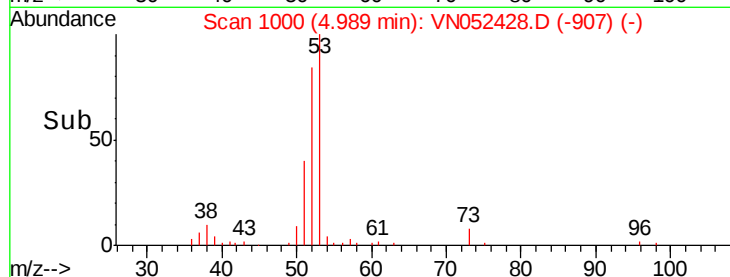
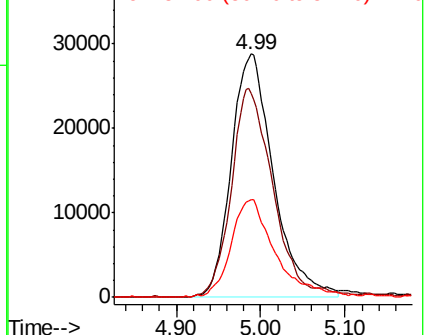
51 40.4 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN052307.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN052307.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN052307.D (-975) (-)



#16

Acetone

Concen: 102.564 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052428.D

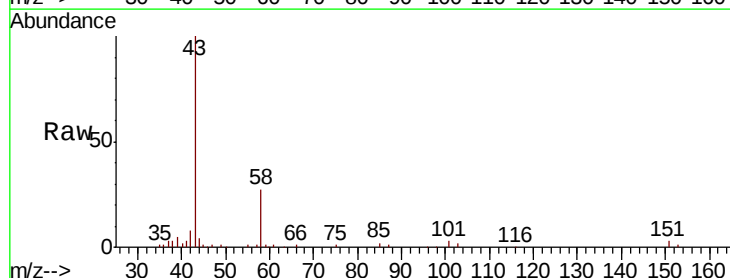
Acq: 21 Nov 2018 10:44

Tgt Ion: 43 Resp: 106138

Ion Ratio Lower Upper

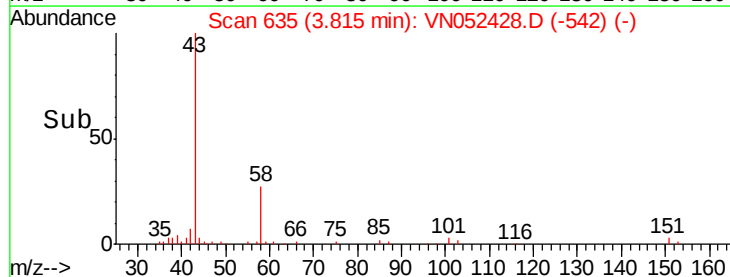
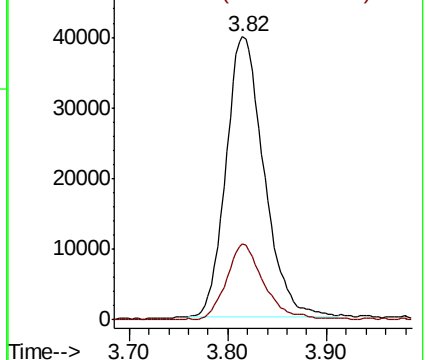
43 100

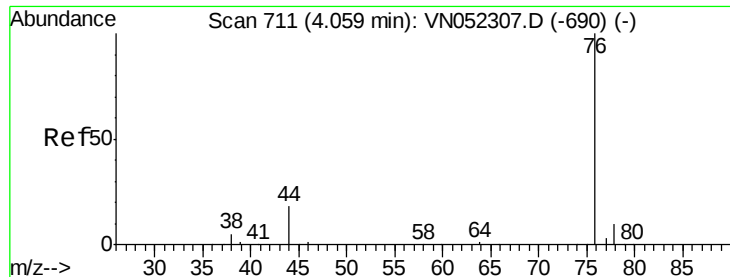
58 26.8 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-599) (-)

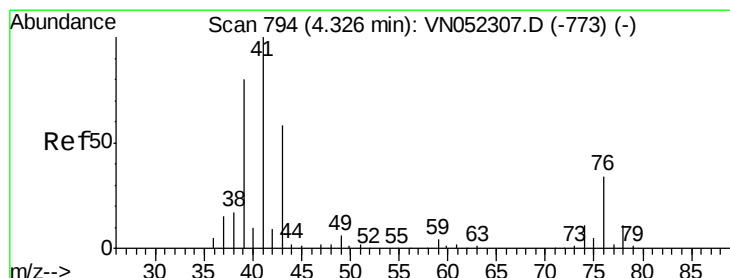
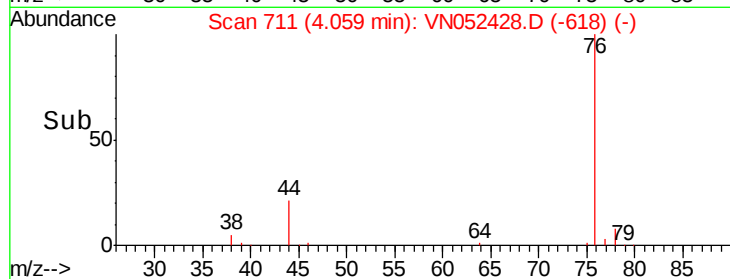
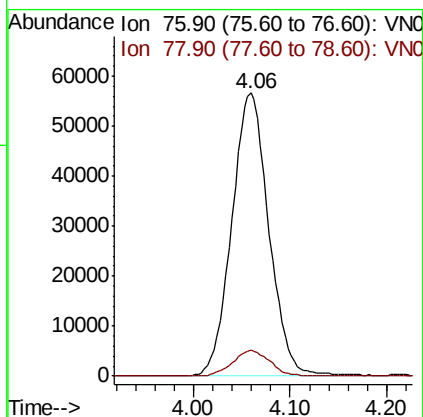
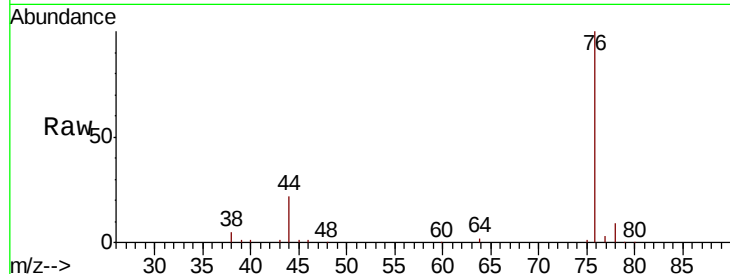




#17
Carbon Disulfide
Concen: 19.132 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

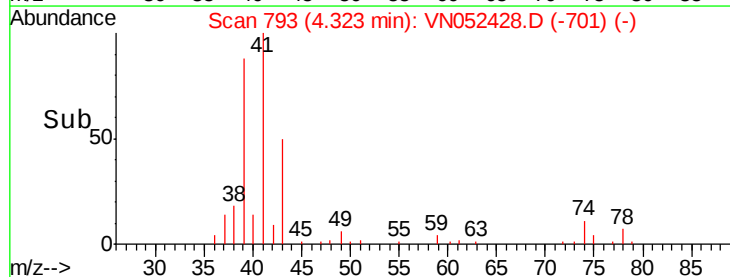
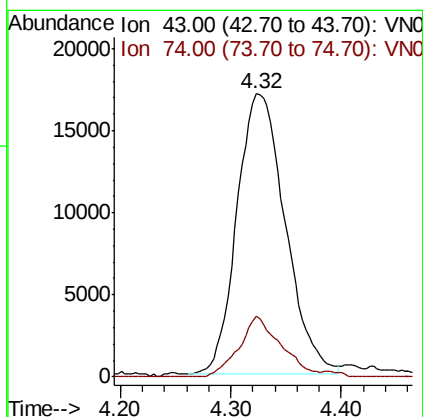
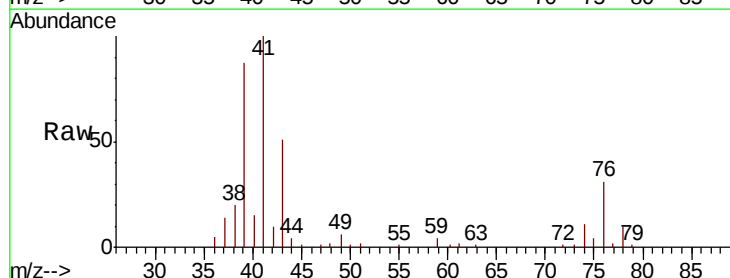
Instrument :
MSVOA_N
ClientSampled :

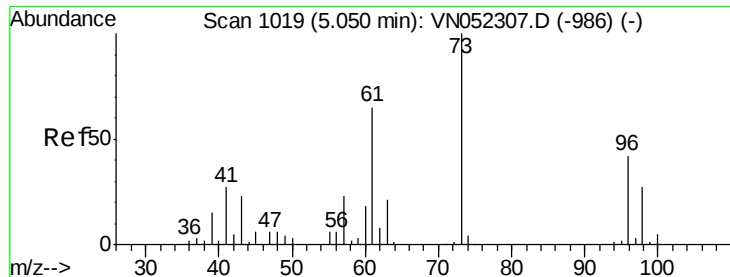
Tot Ion: 76 Resp: 150286
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5



#18
Methyl Acetate
Concen: 18.142 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 43 Resp: 51805
Ion Ratio Lower Upper
43 100
74 18.6 15.9 23.9

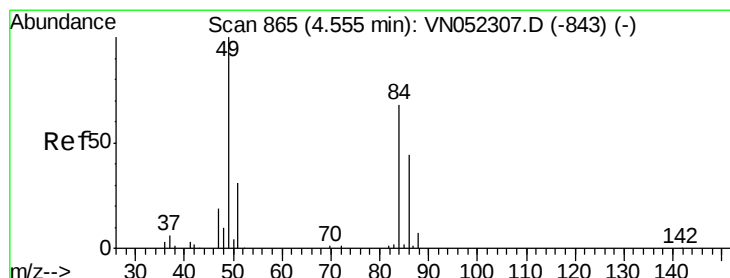
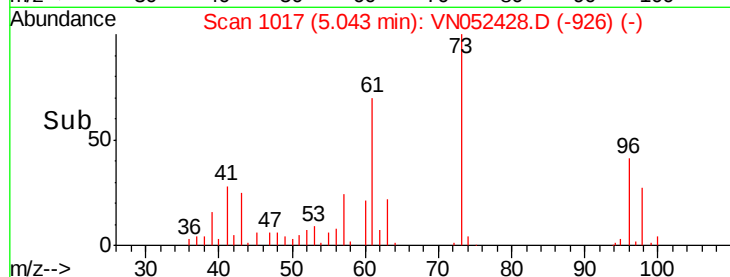
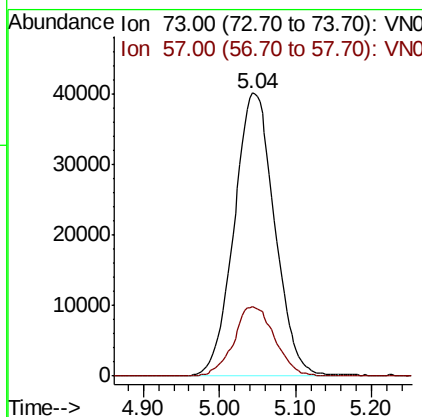
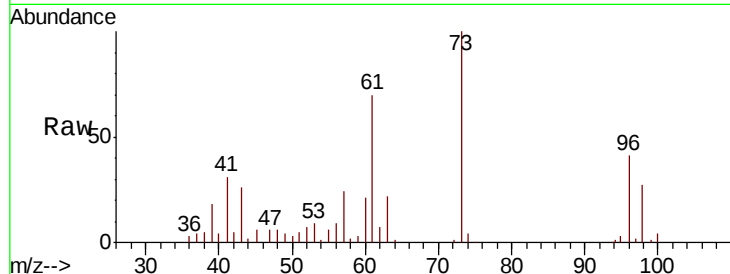




#19
Methyl tert-butyl Ether
Concen: 18.916 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

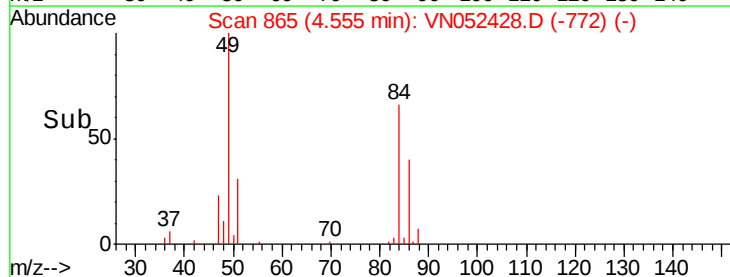
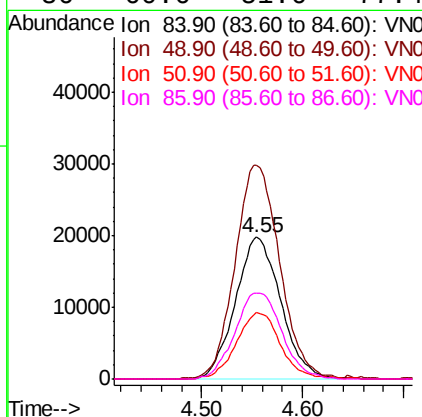
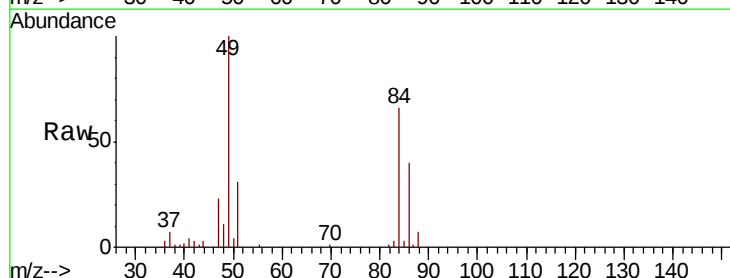
Instrument :
MSVOA_N
ClientSampled :

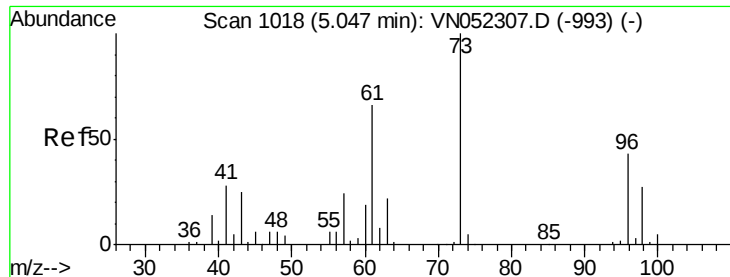
Tot Ion: 73 Resp: 148916
Ion Ratio Lower Upper
73 100
57 24.4 18.7 28.1



#20
Methylene Chloride
Concen: 19.223 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 84 Resp: 61877
Ion Ratio Lower Upper
84 100
49 149.8 118.2 177.2
51 46.7 36.1 54.1
86 60.6 51.6 77.4

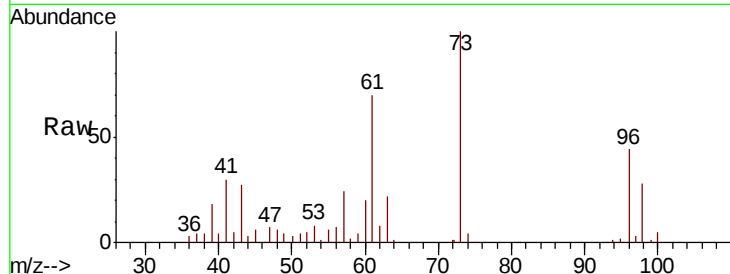




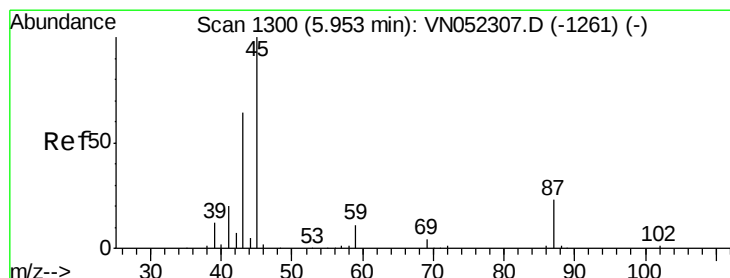
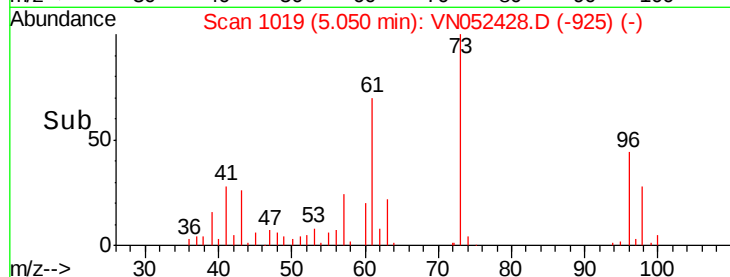
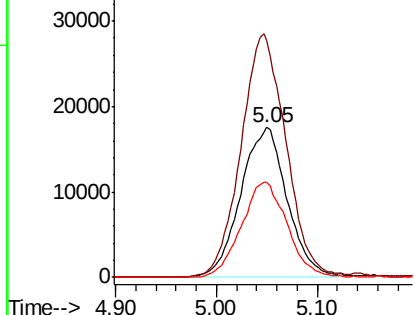
#21
trans-1,2-Dichloroethene
Concen: 19.036 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 56145
Ion Ratio Lower Upper
96 100
61 158.1 123.6 185.4
98 64.0 50.7 76.1

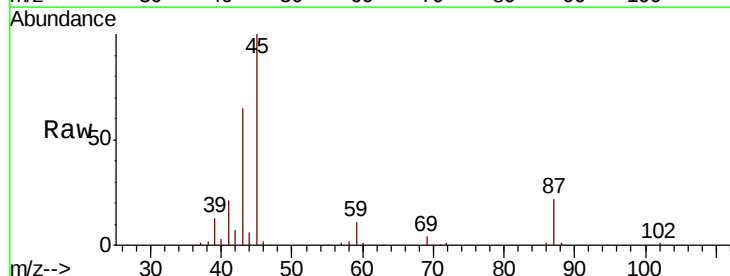


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

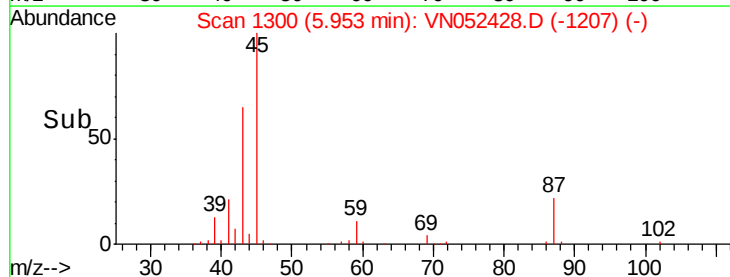
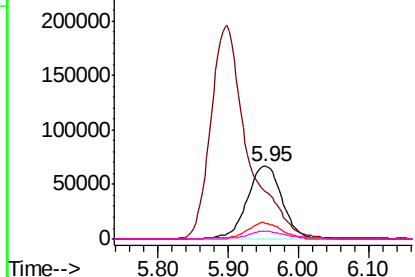


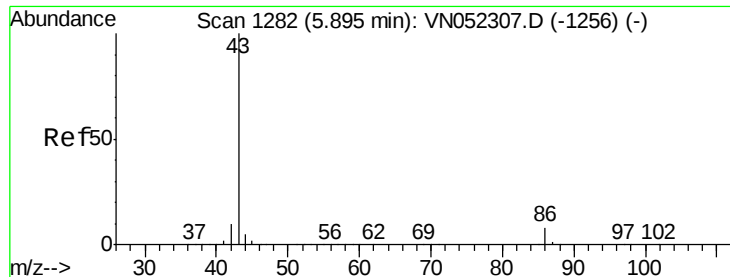
#22
Diisopropyl ether
Concen: 20.226 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 45 Resp: 232139
Ion Ratio Lower Upper
45 100
43 63.5 51.4 77.2
87 21.8 18.8 28.2
59 10.4 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

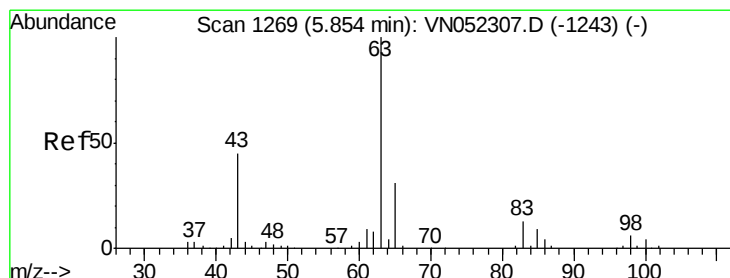
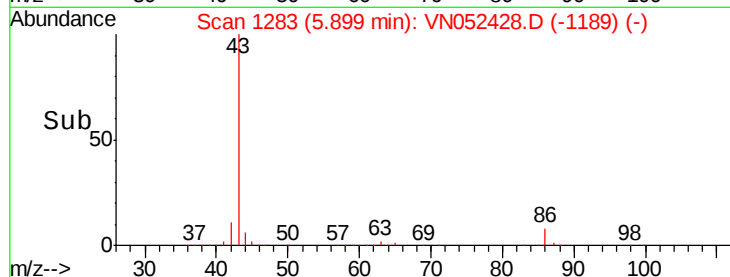
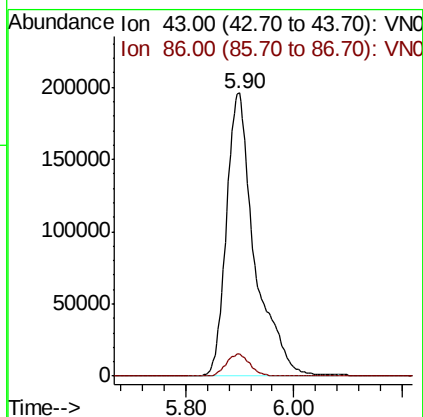
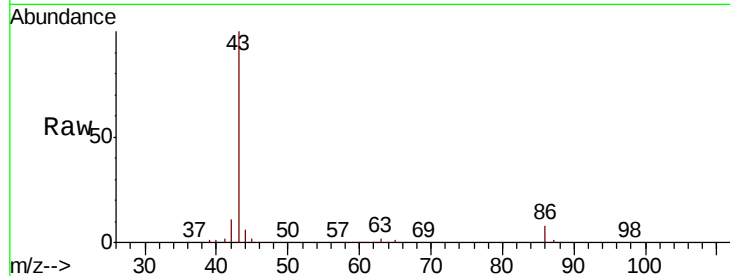




#23
 Vinyl Acetate
 Concen: 91.797 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

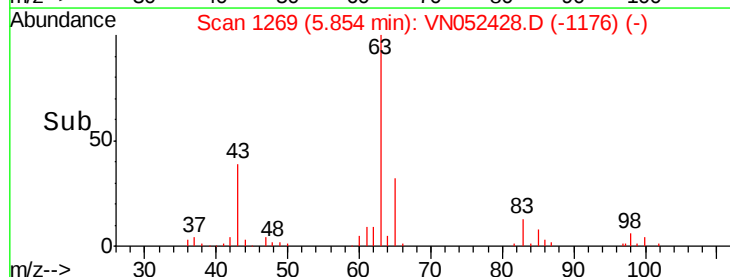
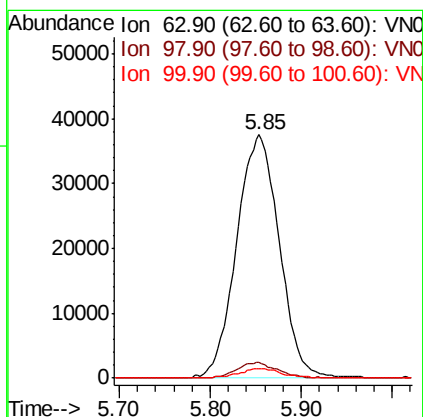
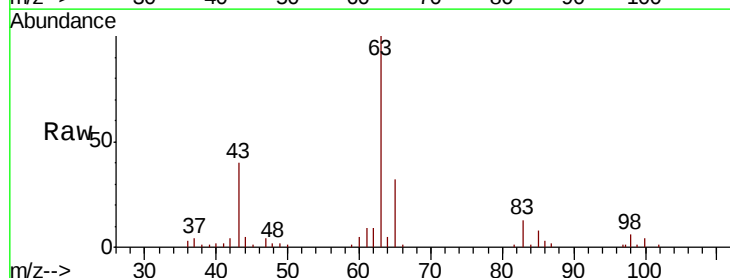
Instrument :
 MSVOA_N
 ClientSampleId :

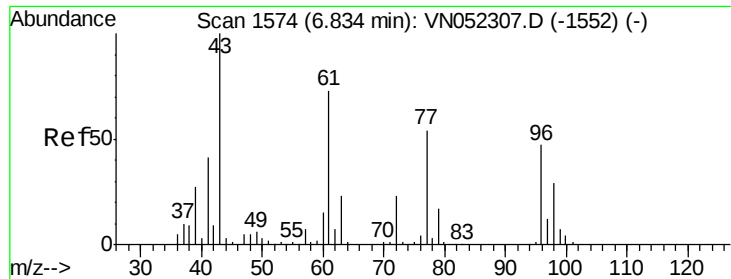
Tot Ion: 43 Resp: 714690
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 19.827 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 63 Resp: 122020
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.6
 100 3.9 1.9 5.7





#25

2-Butanone

Concen: 94.613 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

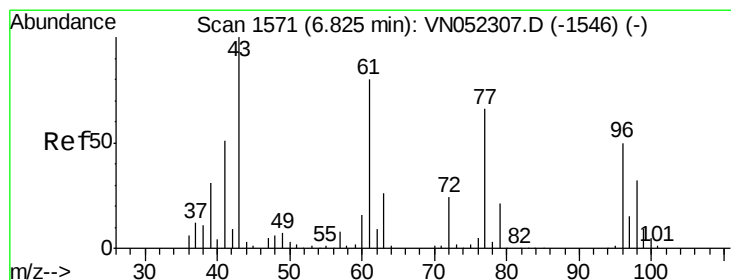
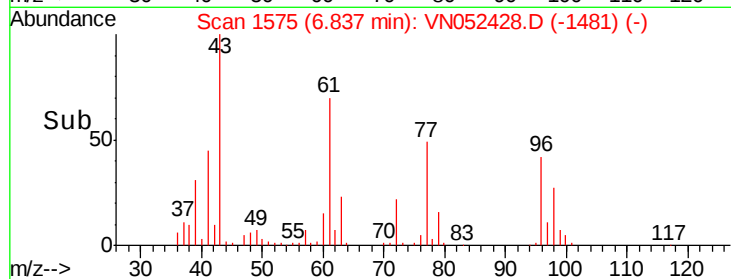
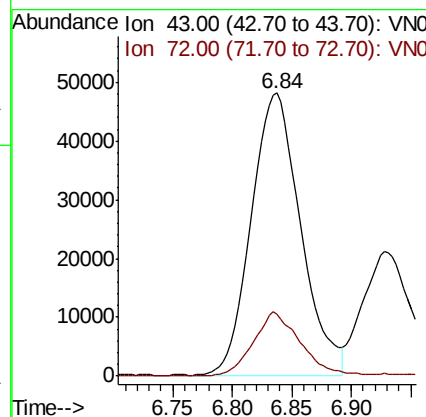
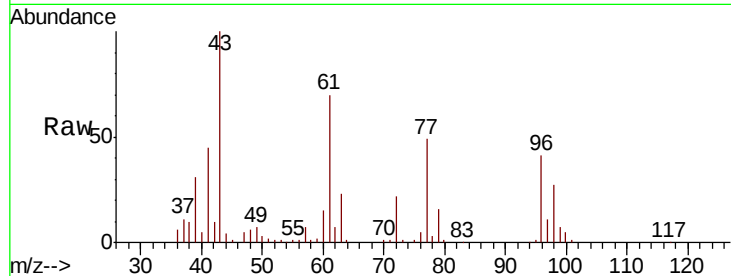
ClientSampled :

Tot Ion: 43 Resp: 137816

Ion Ratio Lower Upper

43 100

72 22.0 18.6 27.8



#26

2,2-Dichloropropane

Concen: 18.923 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052428.D

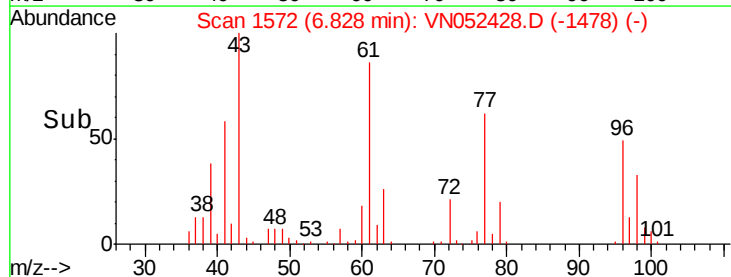
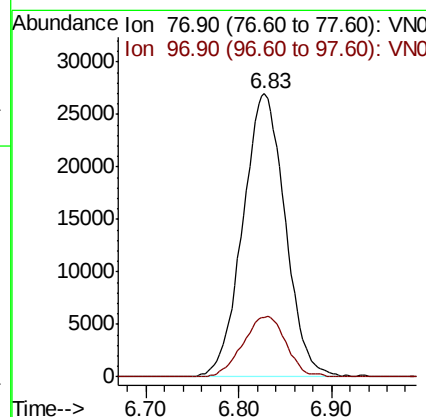
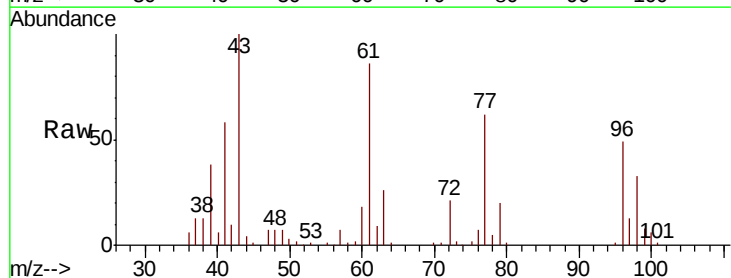
Acq: 21 Nov 2018 10:44

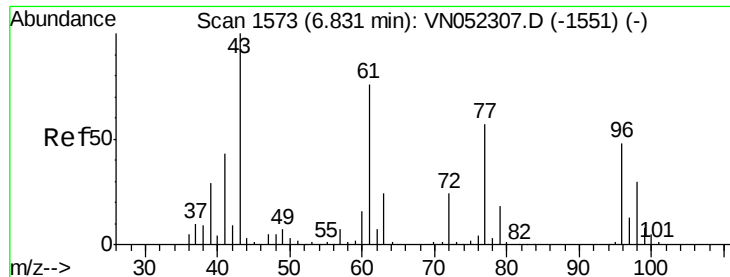
Tgt Ion: 77 Resp: 85632

Ion Ratio Lower Upper

77 100

97 21.8 11.1 33.1

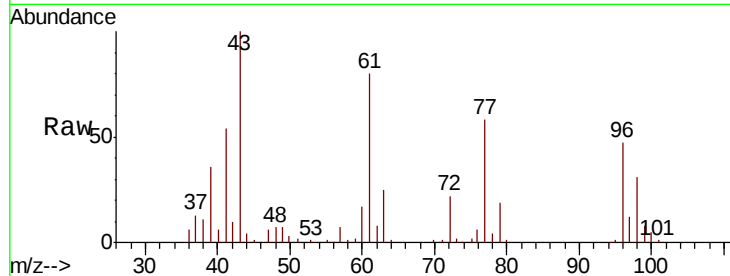




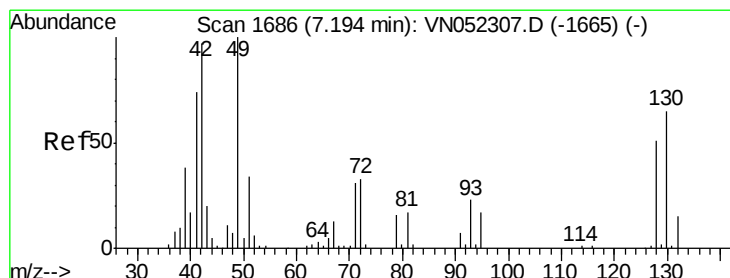
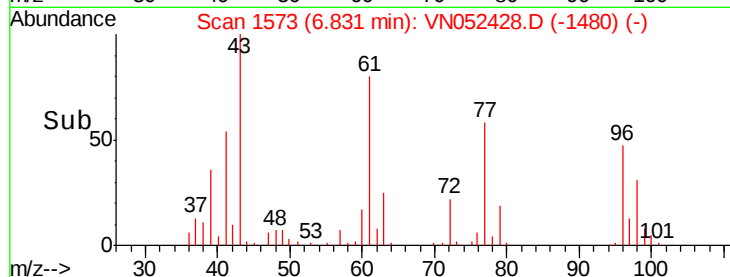
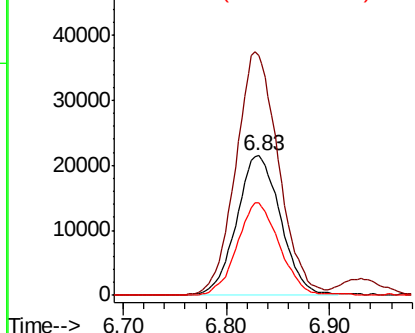
#27
 cis-1,2-Dichloroethene
 Concen: 18.543 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 96 Resp: 63666
 Ion Ratio Lower Upper
 96 100
 61 169.9 0.0 316.8
 98 63.3 0.0 126.6

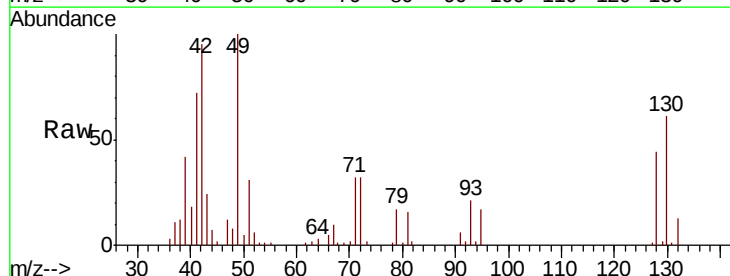


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

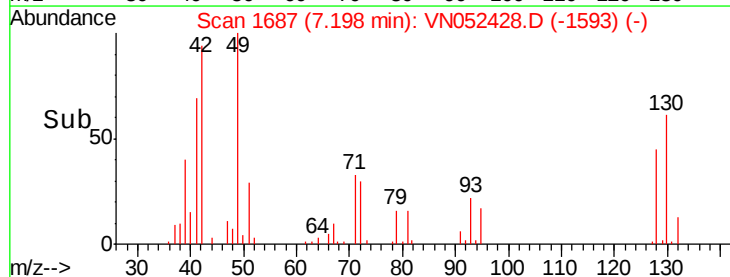
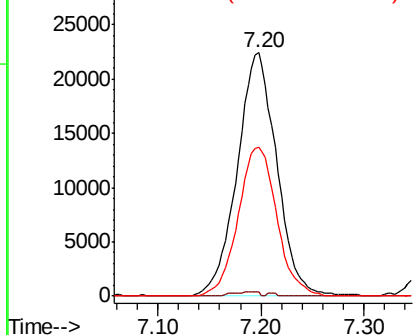


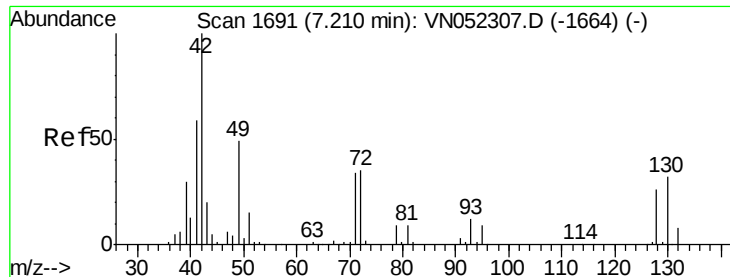
#28
 Bromochloromethane
 Concen: 18.879 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 49 Resp: 59739
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 3.0
 130 59.9 50.4 75.6



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

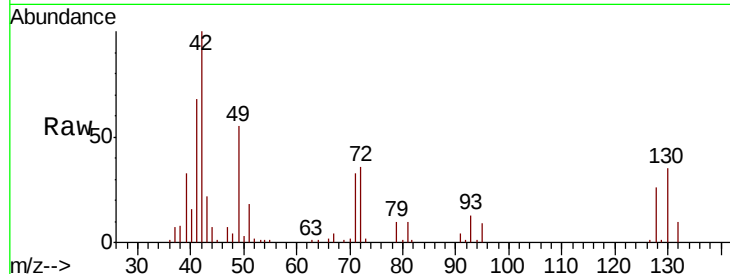




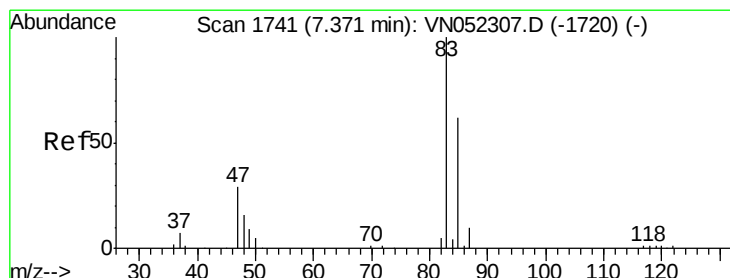
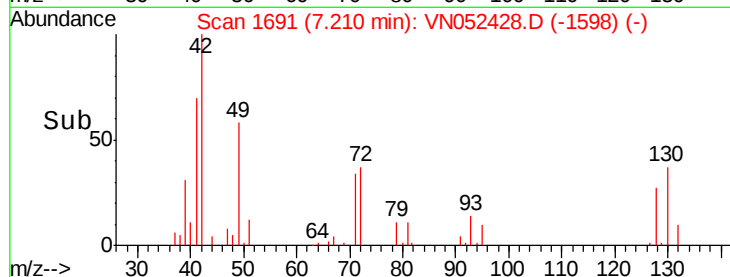
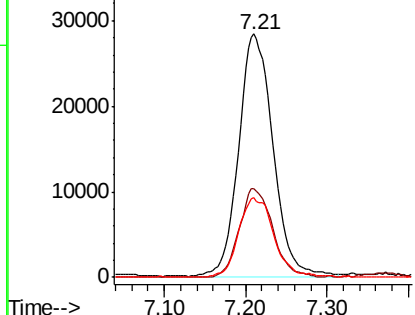
#29
Tetrahydrofuran
Concen: 87.298 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 83535
Ion Ratio Lower Upper
42 100
72 35.1 28.6 42.8
71 32.7 26.7 40.1

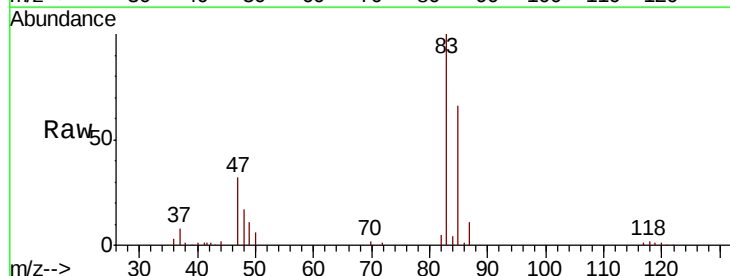


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

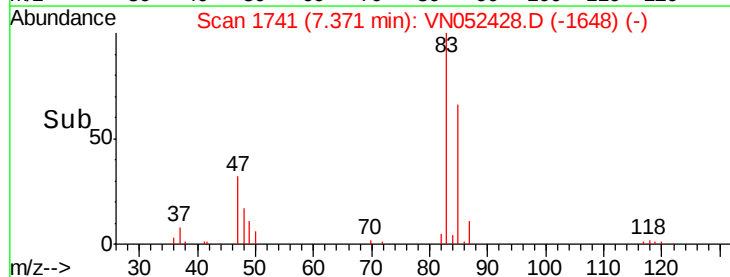
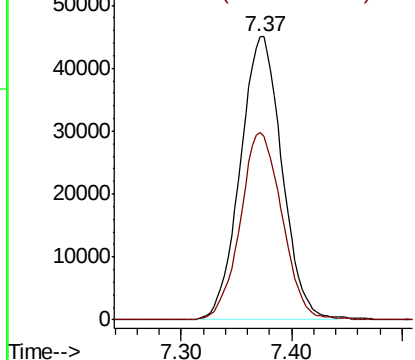


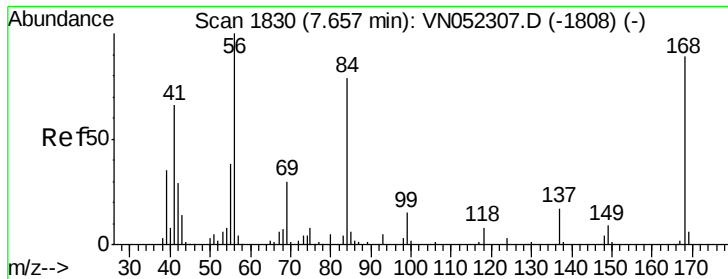
#30
Chloroform
Concen: 20.175 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 83 Resp: 118328
Ion Ratio Lower Upper
83 100
85 66.1 49.4 74.2



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

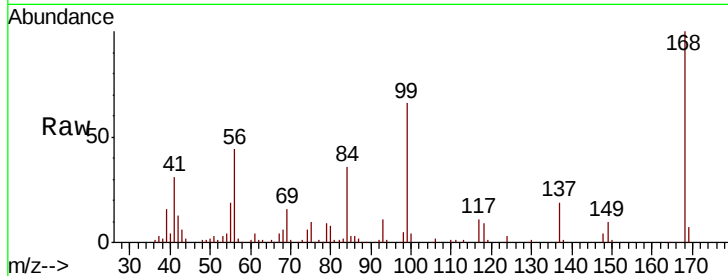




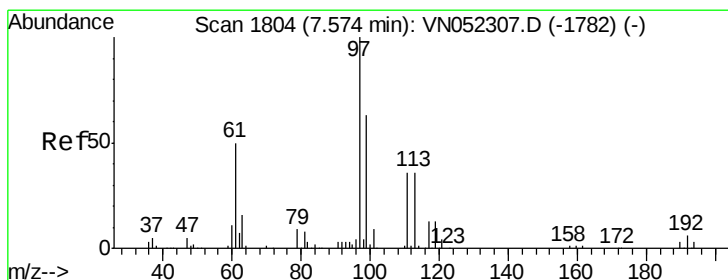
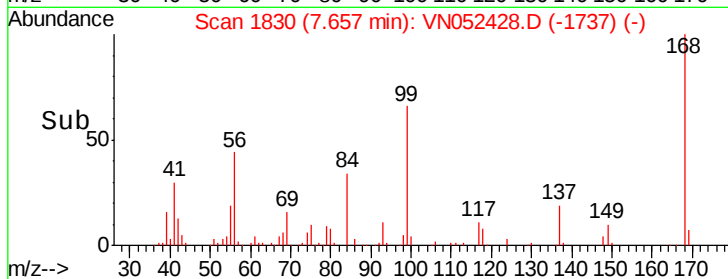
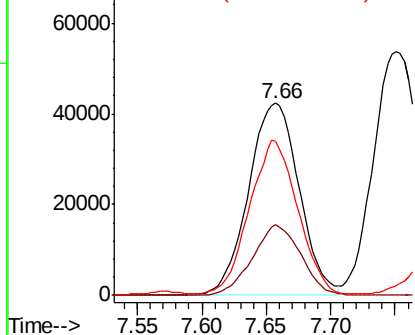
#31
Cyclohexane
Concen: 19.611 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 115738
Ion Ratio Lower Upper
56 100
69 36.5 23.8 35.8#
84 79.2 63.0 94.6

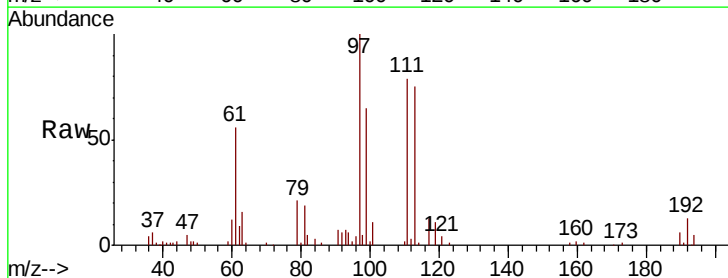


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

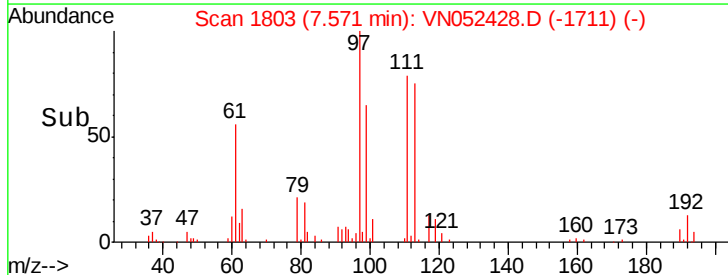
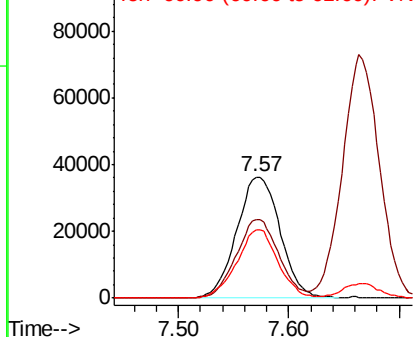


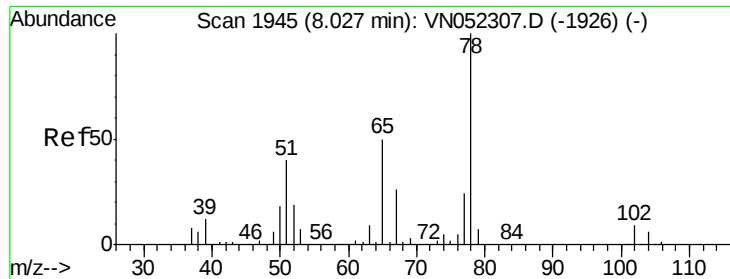
#32
1,1,1-Trichloroethane
Concen: 19.820 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 97 Resp: 99026
Ion Ratio Lower Upper
97 100
99 63.9 50.2 75.2
61 53.5 40.2 60.4



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

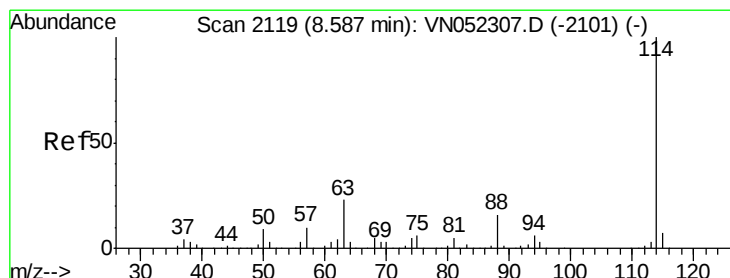
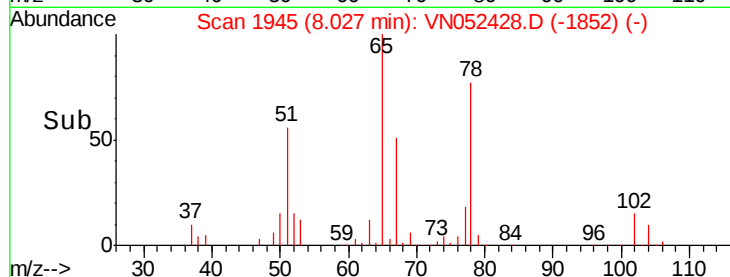
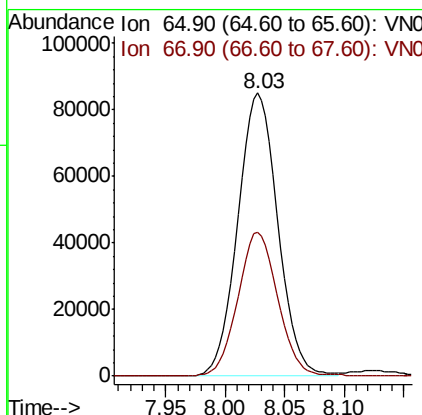
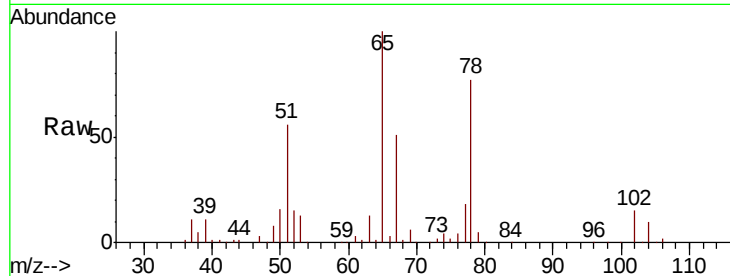




#33
 1,2-Dichloroethane-d4
 Concen: 19.820 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

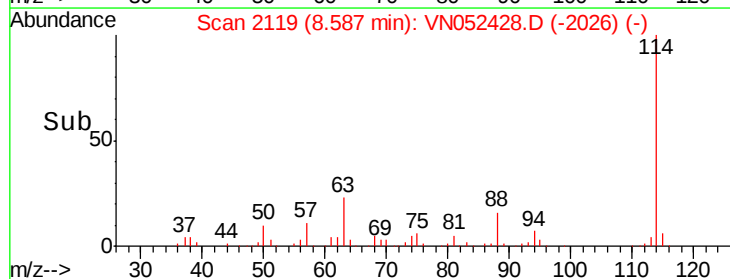
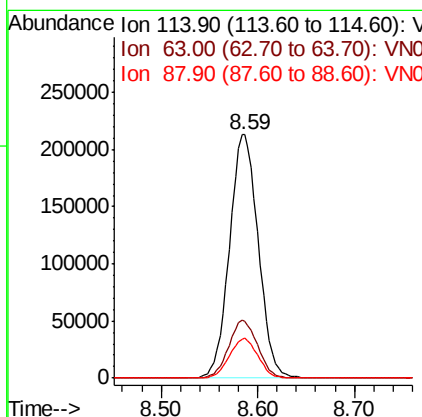
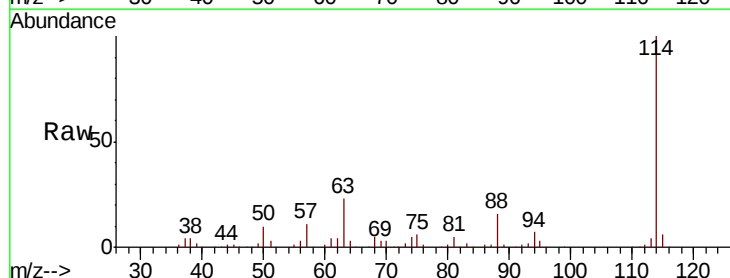
Instrument :
 MSVOA_N
 ClientSampled :

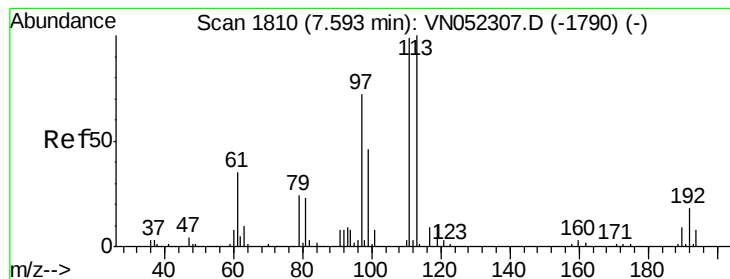
Tot Ion: 65 Resp: 198405
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 114 Resp: 439437
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.4
 88 16.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :

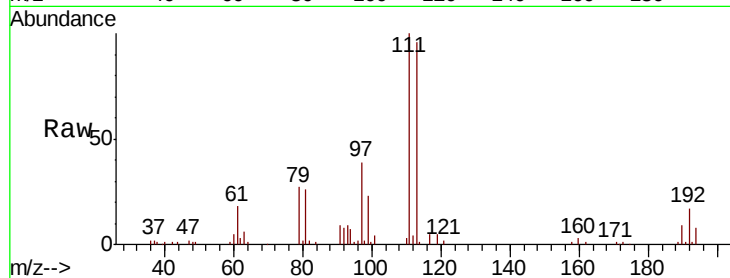
Tot Ion:113 Resp: 146070

Ion Ratio Lower Upper

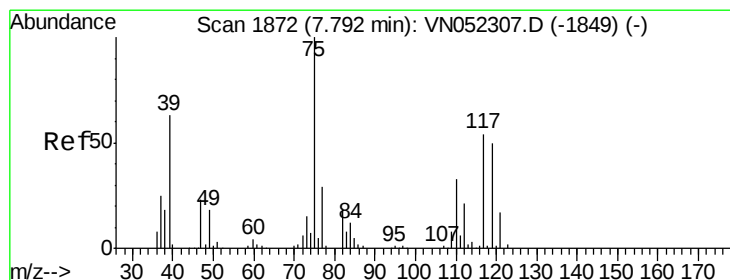
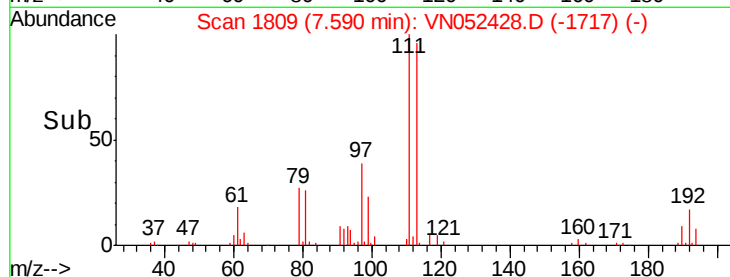
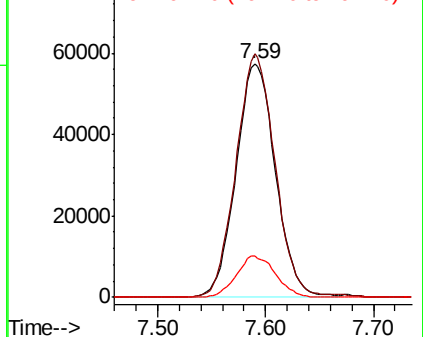
113 100

111 103.6 81.0 121.6

192 17.7 13.8 20.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.181 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

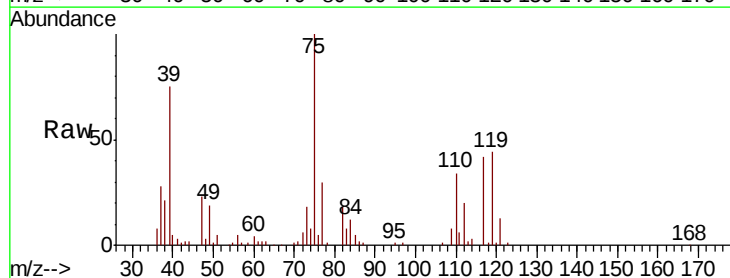
Tgt Ion: 75 Resp: 88885

Ion Ratio Lower Upper

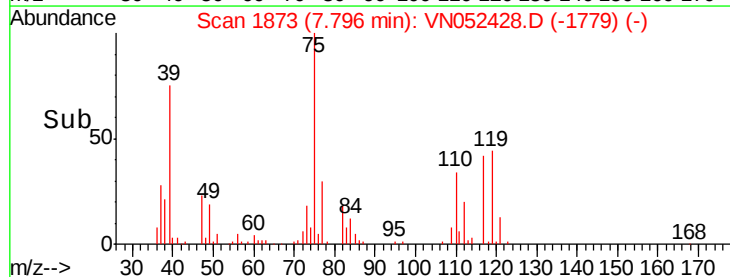
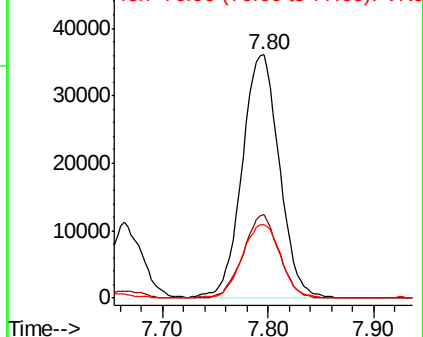
75 100

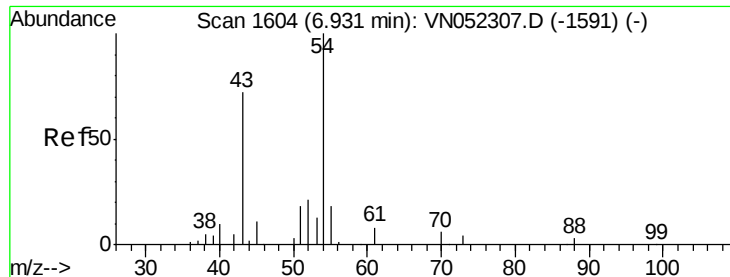
110 32.8 16.5 49.5

77 31.6 24.2 36.2



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





#37

Ethyl Acetate

Concen: 18.351 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampled :

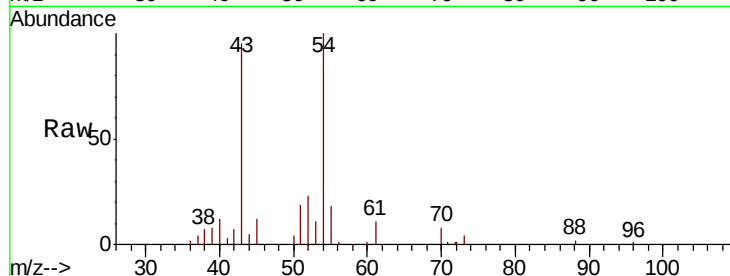
Tot Ion: 43 Resp: 58661

Ion Ratio Lower Upper

43 100

61 11.0 10.3 15.5

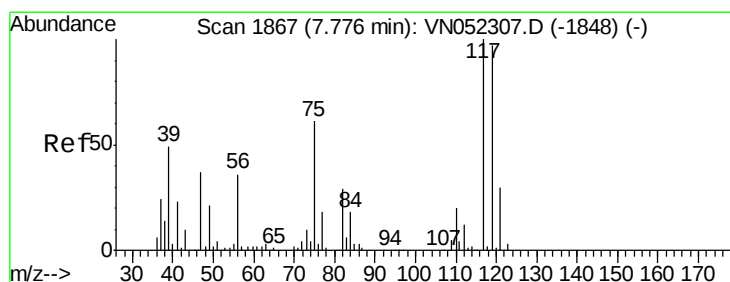
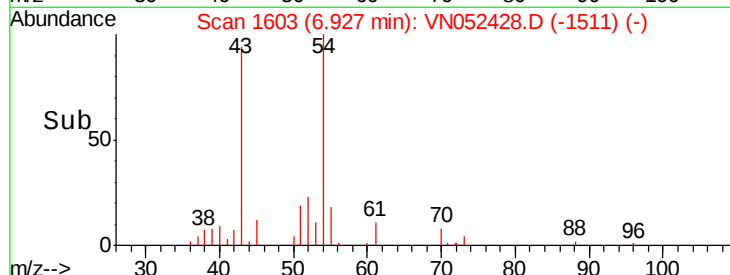
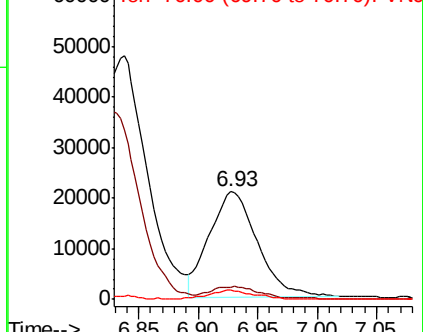
70 8.1 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1591) (-)

Ion 60.90 (60.60 to 61.60): VN052307.D (-1591) (-)

Ion 70.00 (69.70 to 70.70): VN052307.D (-1591) (-)



#38

Carbon Tetrachloride

Concen: 21.497 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

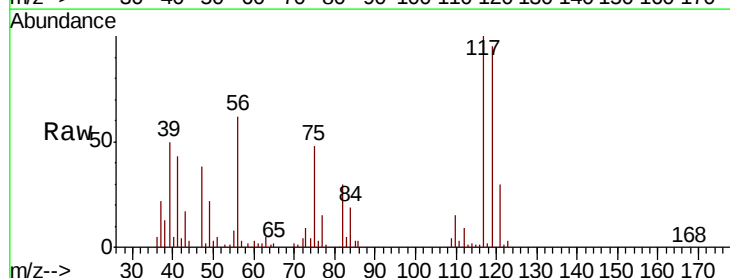
Tgt Ion: 117 Resp: 86989

Ion Ratio Lower Upper

117 100

119 94.5 77.4 116.0

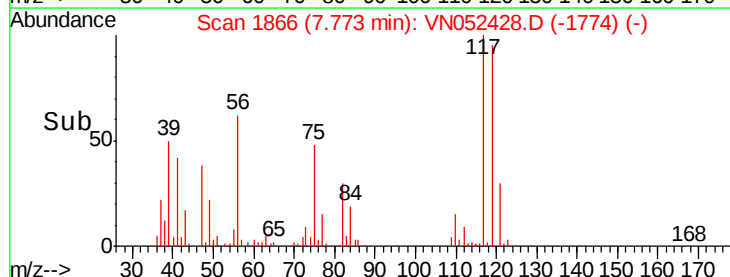
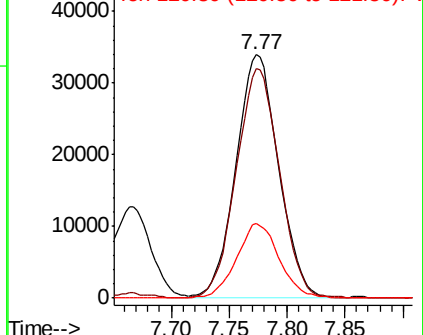
121 30.5 24.0 36.0

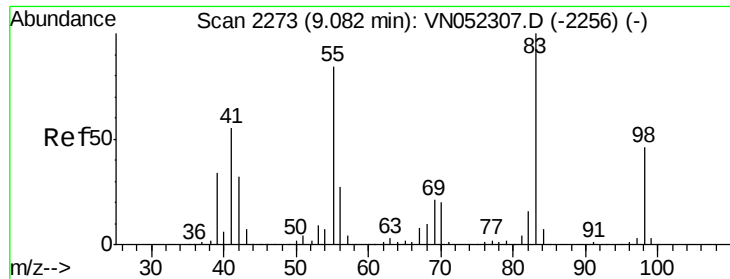


Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN052307.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN052307.D (-1848) (-)

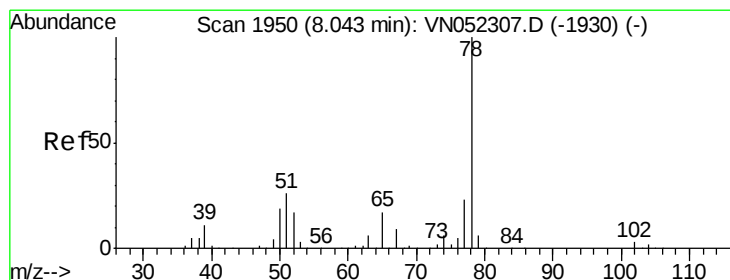
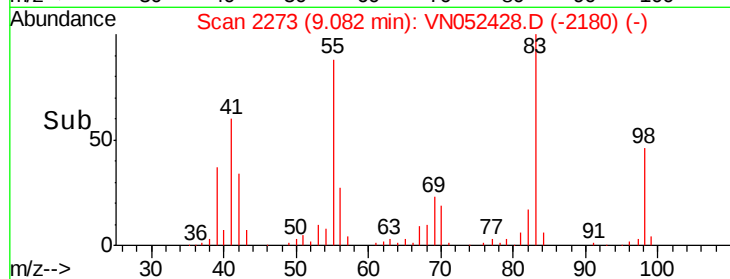
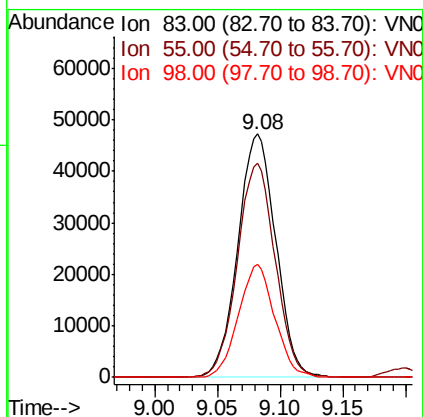
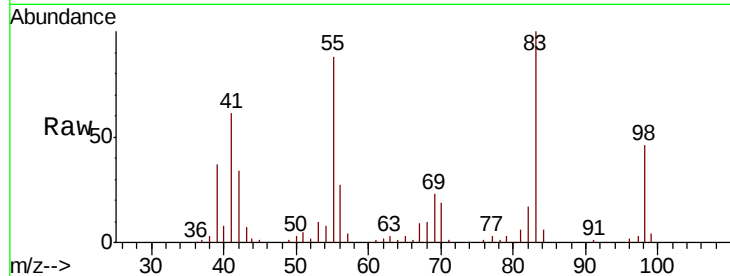




#39
Methvlcvclohexane
Concen: 19.745 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

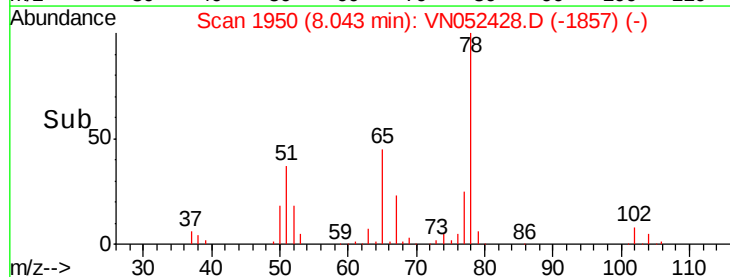
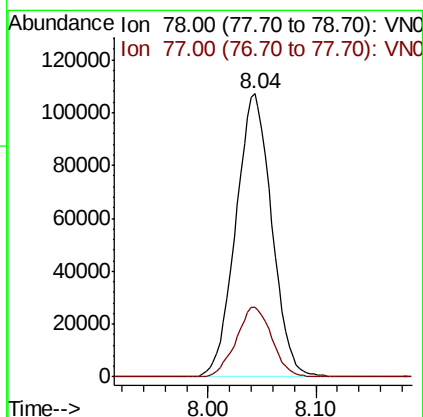
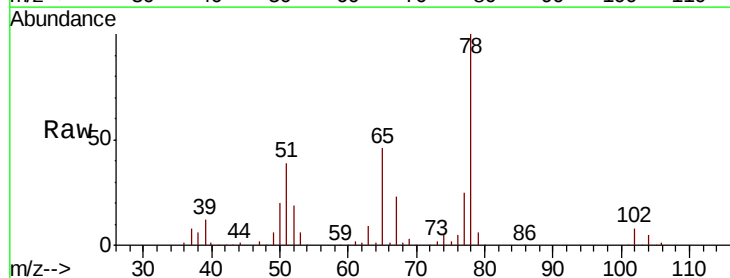
Instrument :
MSVOA_N
ClientSampleId :

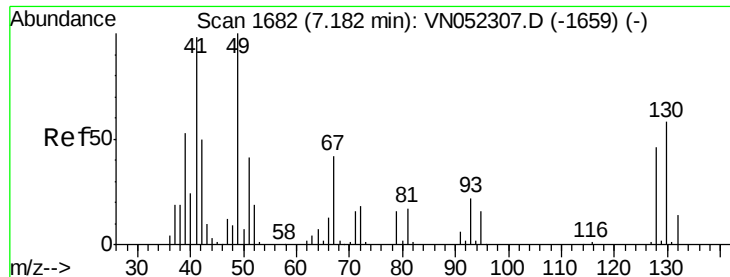
Tot Ion: 83 Resp: 99280
Ion Ratio Lower Upper
83 100
55 88.1 66.8 100.2
98 46.3 36.4 54.6



#40
Benzene
Concen: 19.739 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 78 Resp: 248364
Ion Ratio Lower Upper
78 100
77 24.8 18.7 28.1

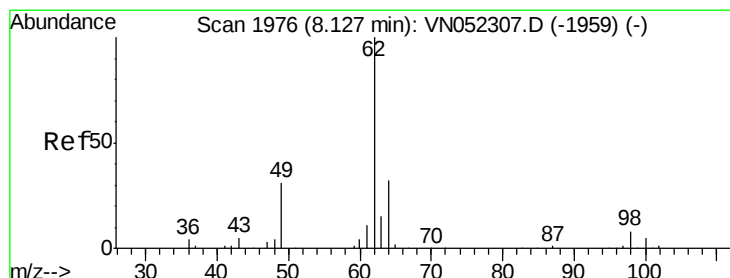
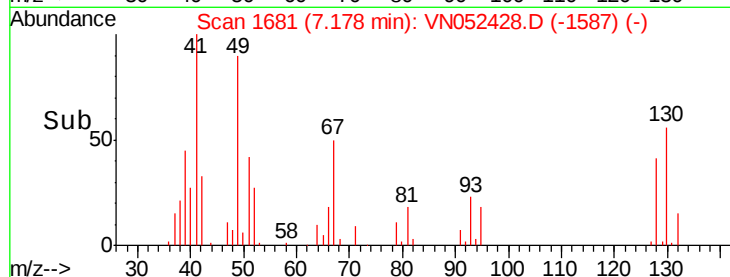
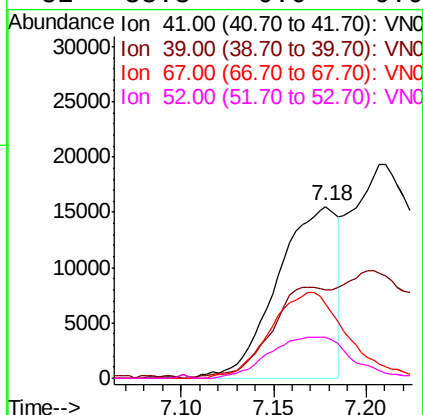
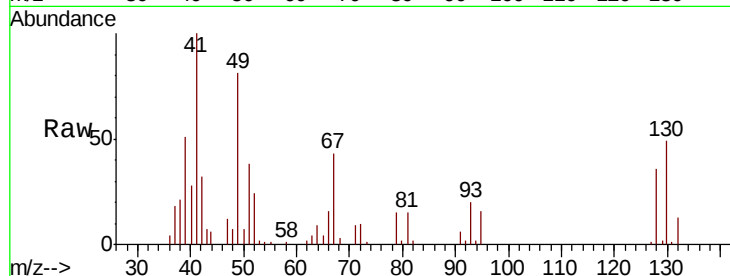




#41
Methacrylonitrile
Concen: 21.885 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

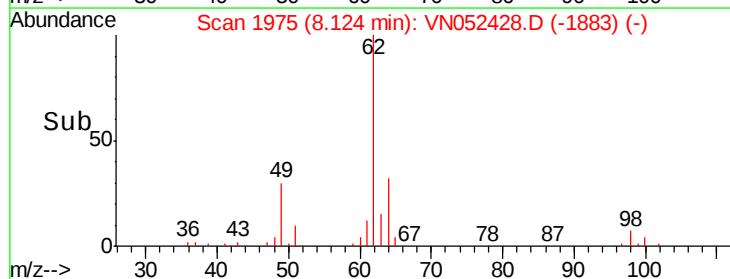
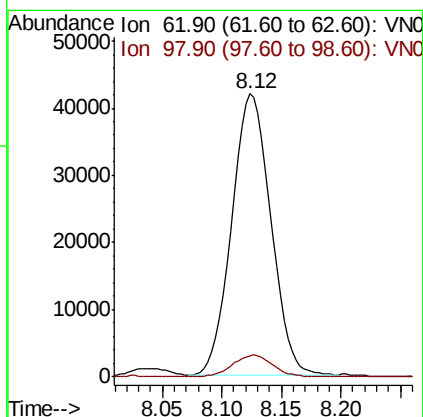
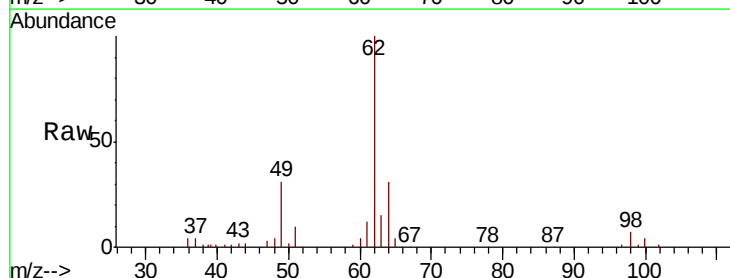
Instrument :
MSVOA_N
ClientSampled :

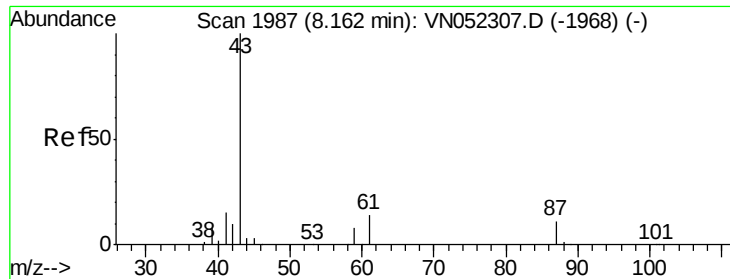
Tot Ion: 41 Resp: 34869
Ion Ratio Lower Upper
41 100
39 46.2 0.0 0.0#
67 63.5 0.0 0.0#
52 33.3 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 21.254 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 62 Resp: 95362
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.6





#43

Isopropyl Acetate

Concen: 17.602 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

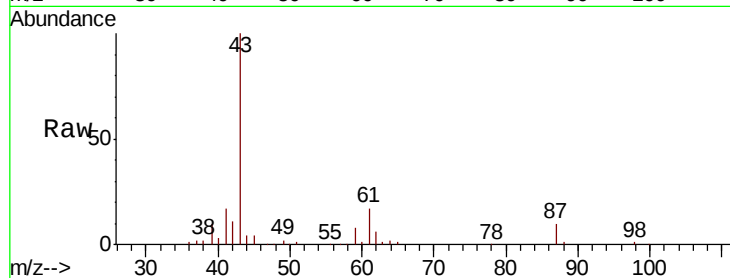
Tot Ion: 43 Resp: 108572

Ion Ratio Lower Upper

43 100

61 15.1 12.0 18.0

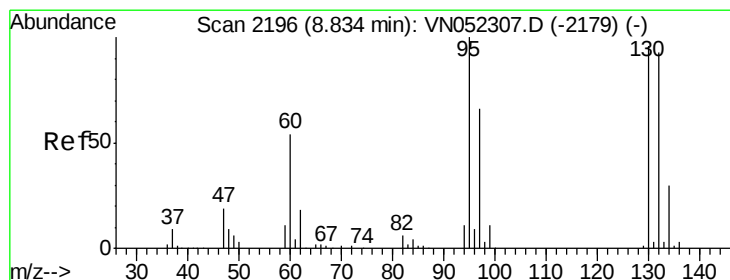
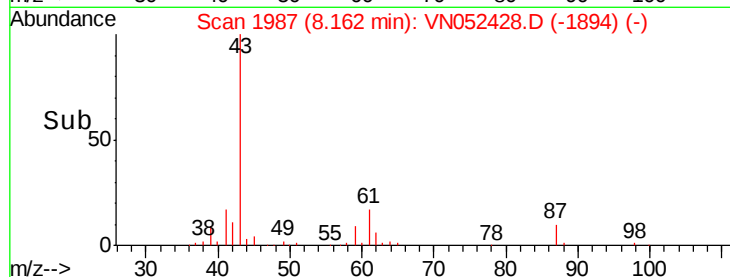
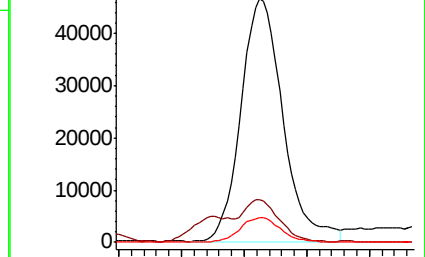
87 9.9 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052307.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1968) (-)



#44

Trichloroethene

Concen: 20.019 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052428.D

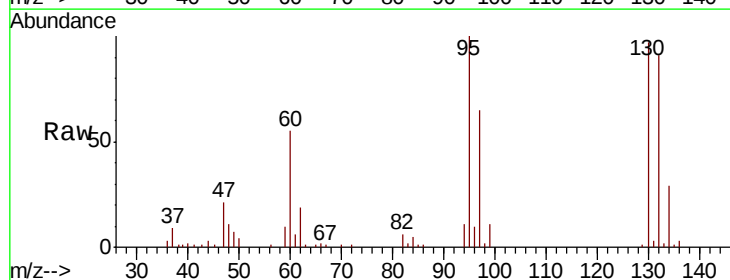
Acq: 21 Nov 2018 10:44

Tgt Ion:130 Resp: 62048

Ion Ratio Lower Upper

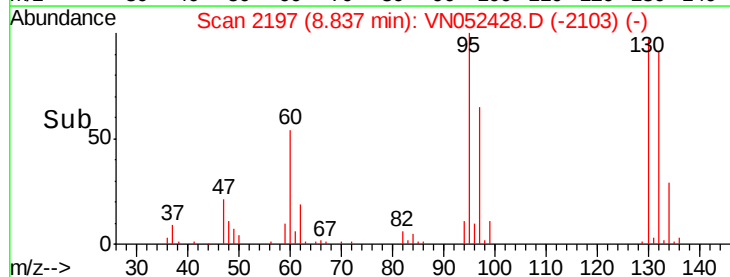
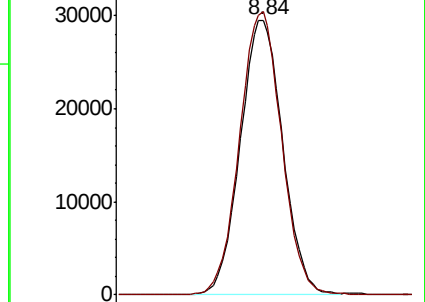
130 100

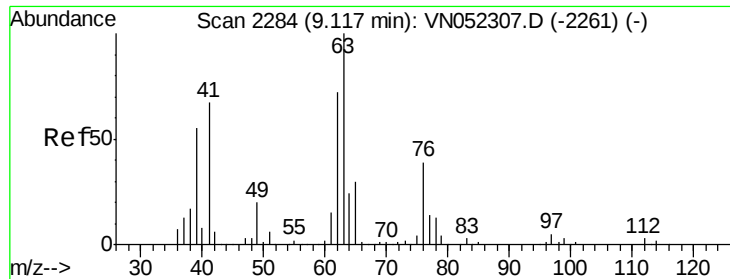
95 103.1 0.0 208.4



Abundance Ion 129.80 (129.50 to 130.50): VN052307.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052307.D (-2179) (-)

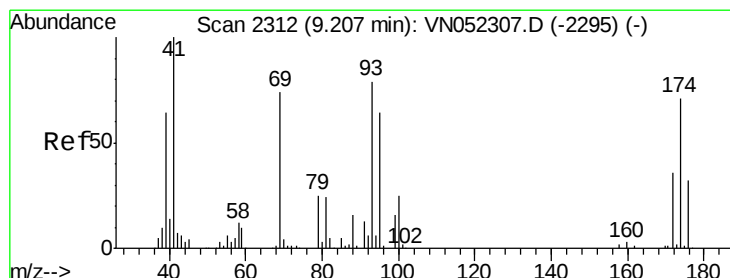
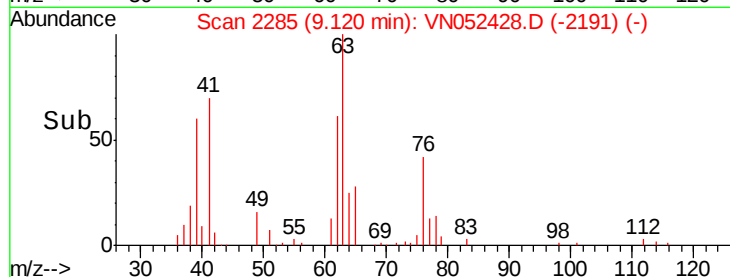
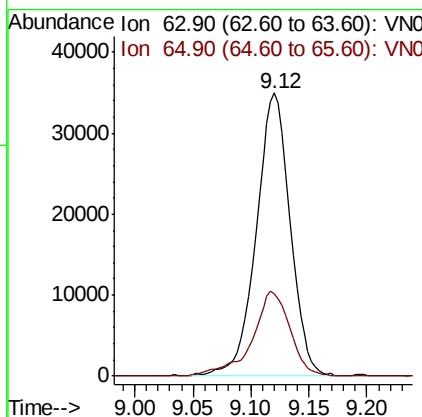
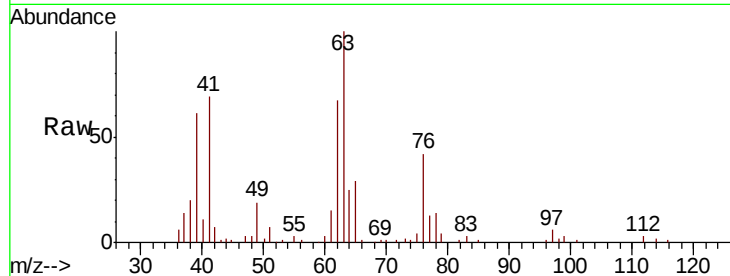




#45
 1,2-Dichloropropane
 Concen: 19.959 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

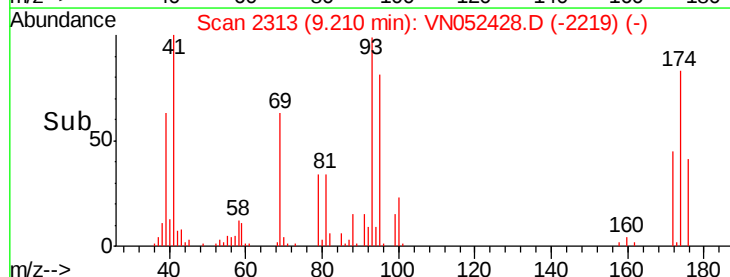
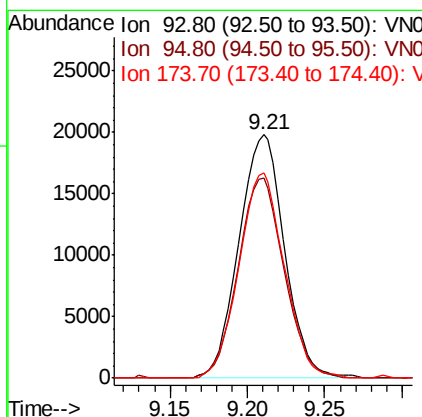
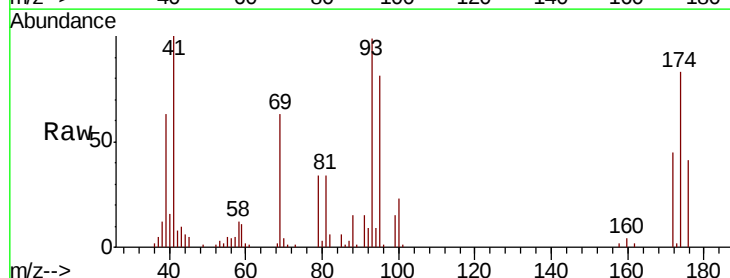
Instrument :
 MSVOA_N
 ClientSampleId :

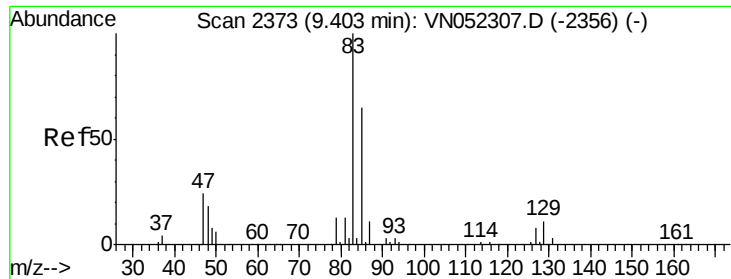
Tot Ion: 63 Resp: 71273
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.2 36.4



#46
 Dibromomethane
 Concen: 19.612 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 93 Resp: 40542
 Ion Ratio Lower Upper
 93 100
 95 83.1 64.2 96.2
 174 84.1 70.9 106.3





#47

Bromodichloromethane

Concen: 21.240 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampled :

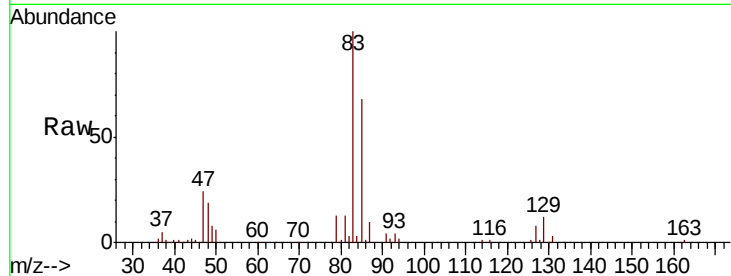
Tot Ion: 83 Resp: 90100

Ion Ratio Lower Upper

83 100

85 67.7 52.2 78.4

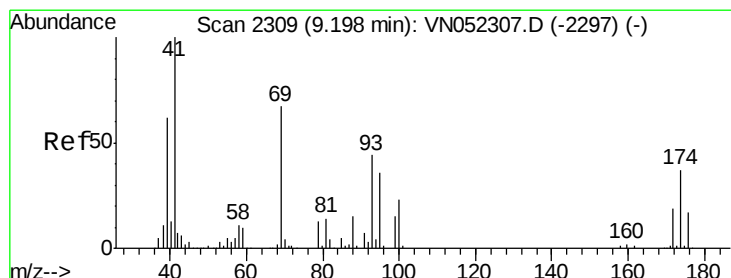
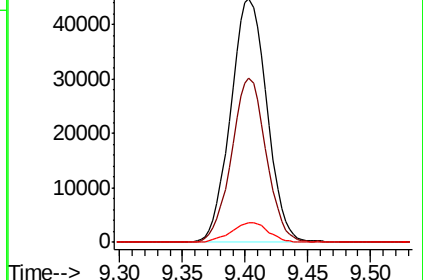
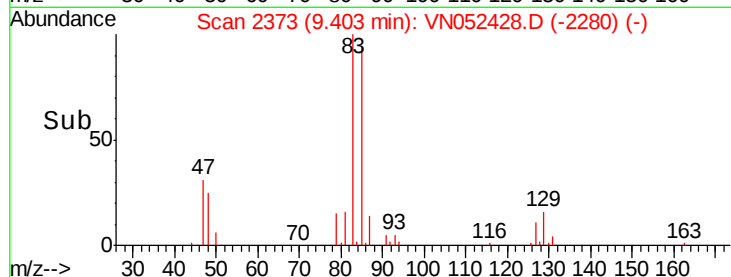
127 7.8 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN052428.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052428.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052428.D (-2280) (-)



#48

Methyl methacrylate

Concen: 17.603 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

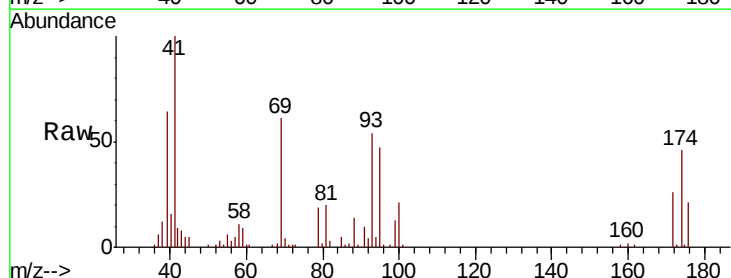
Tgt Ion: 41 Resp: 55096

Ion Ratio Lower Upper

41 100

69 66.3 57.1 85.7

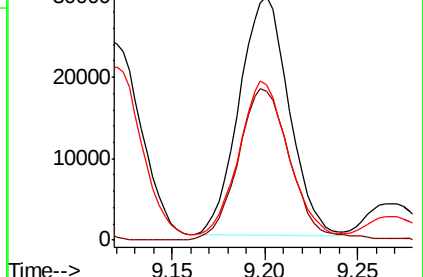
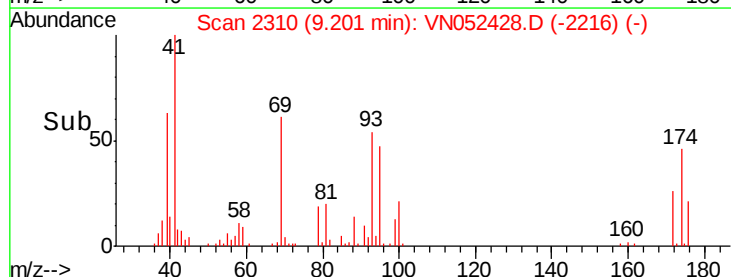
39 62.9 52.5 78.7

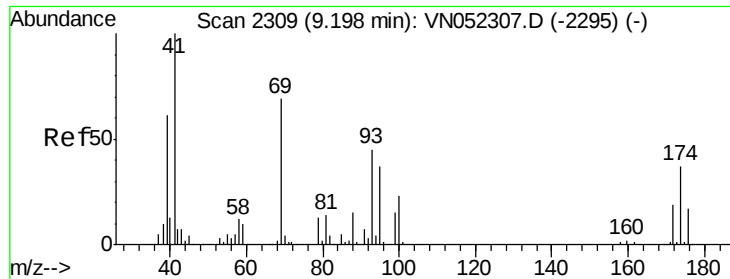


Abundance Ion 41.00 (40.70 to 41.70): VN052428.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052428.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052428.D (-2216) (-)

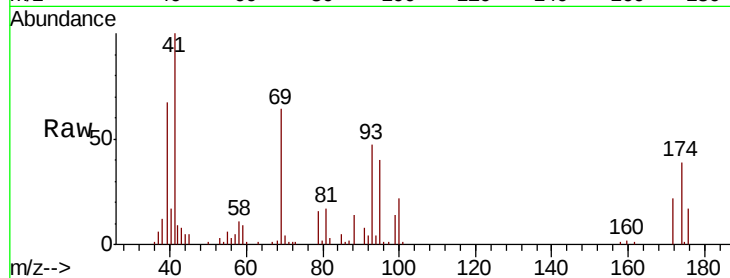




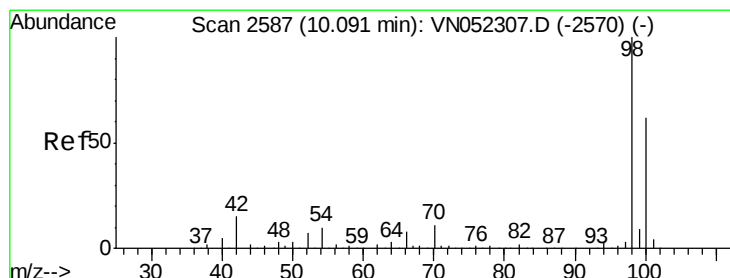
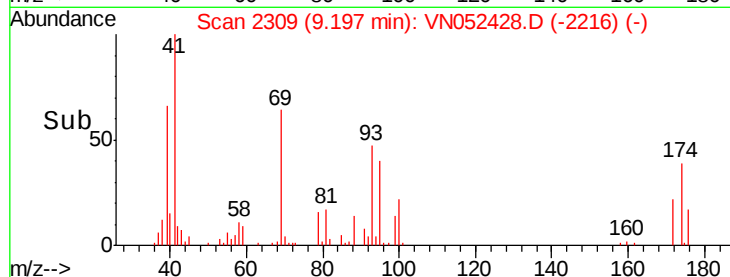
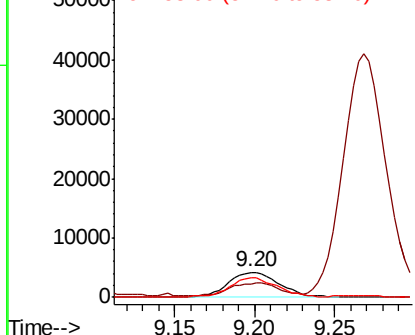
#49
 1,4-Dioxane
 Concen: 380.998 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 9154
 Ion Ratio Lower Upper
 88 100
 43 46.9 33.3 49.9
 58 73.8 59.2 88.8

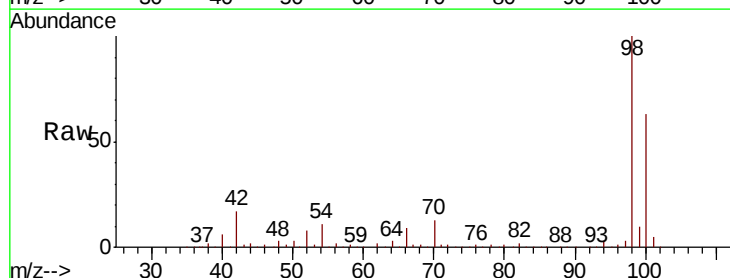


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

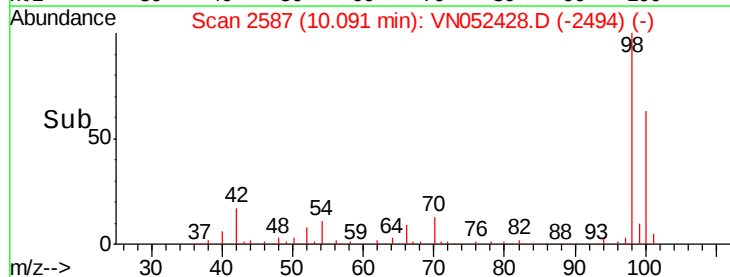
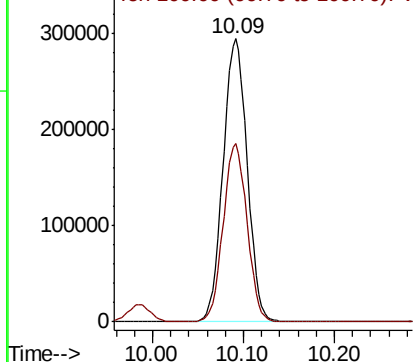


#50
 Toluene-d8
 Concen: 380.998 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 98 Resp: 542501
 Ion Ratio Lower Upper
 98 100
 100 62.0 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 93.907 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

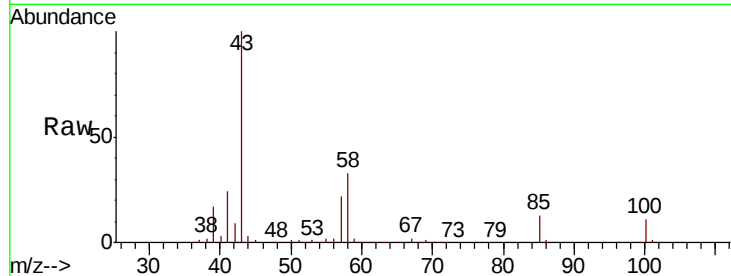
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 291571

Ion Ratio Lower Upper

43 100

58 33.1 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

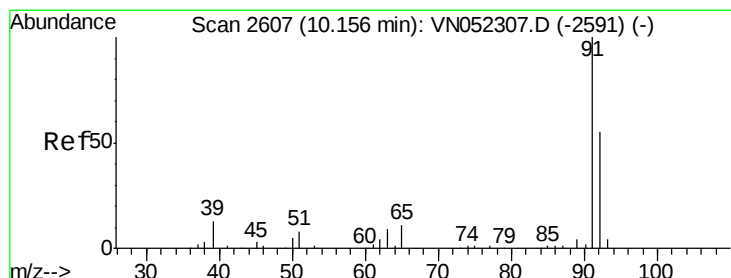
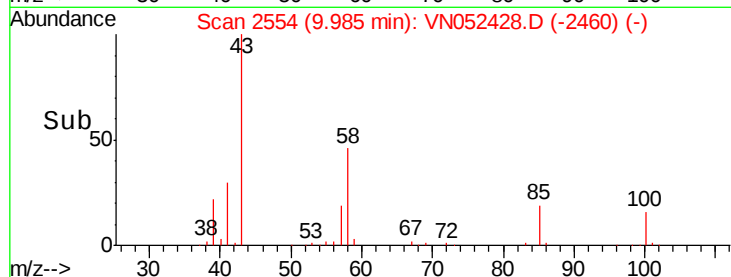
100000

50000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 19.785 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052428.D

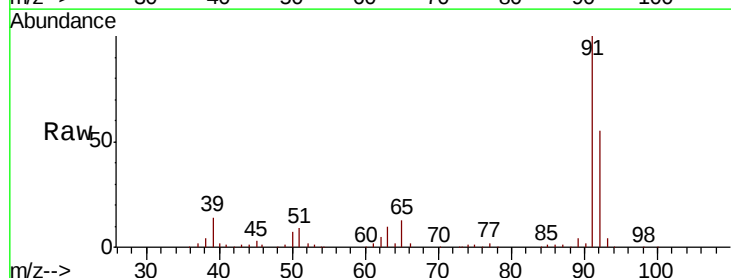
Acq: 21 Nov 2018 10:44

Tgt Ion: 92 Resp: 148925

Ion Ratio Lower Upper

92 100

91 179.9 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

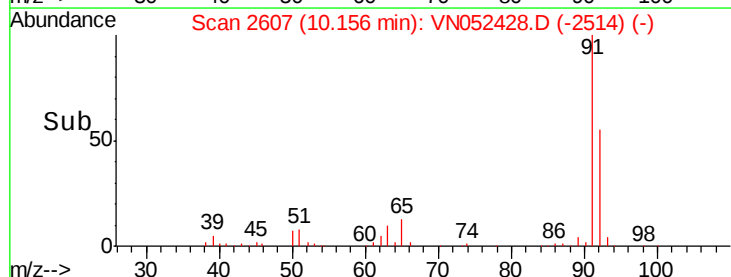
100000

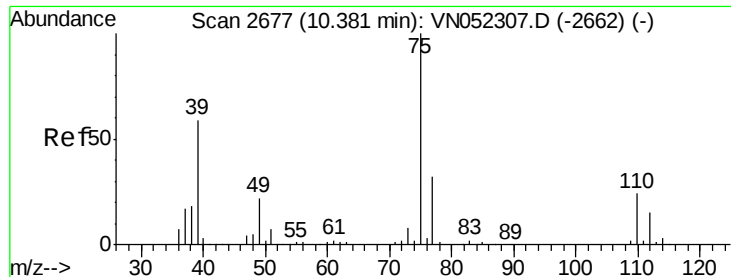
50000

0

10.10 10.16 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.189 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

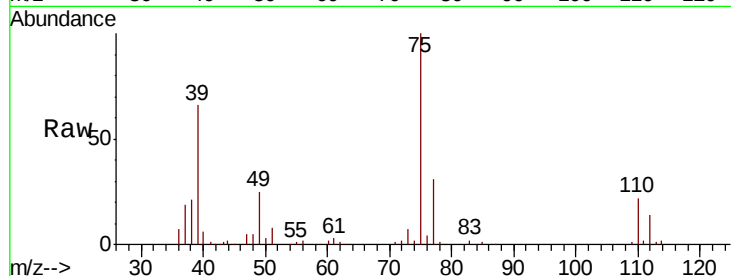
ClientSampled :

Tot Ion: 75 Resp: 82095

Ion Ratio Lower Upper

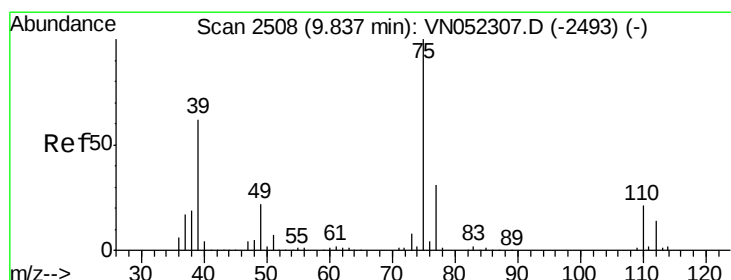
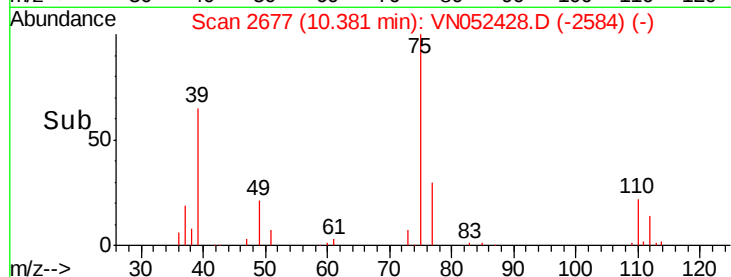
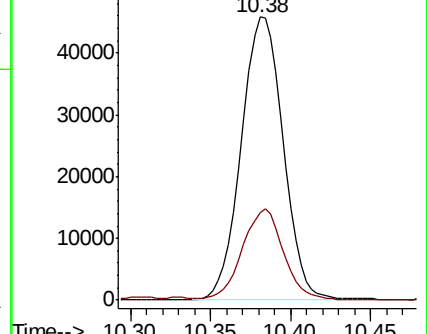
75 100

77 30.9 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.827 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

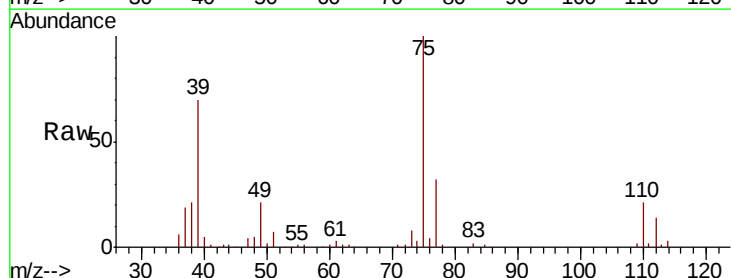
Tgt Ion: 75 Resp: 96701

Ion Ratio Lower Upper

75 100

77 31.9 24.6 36.8

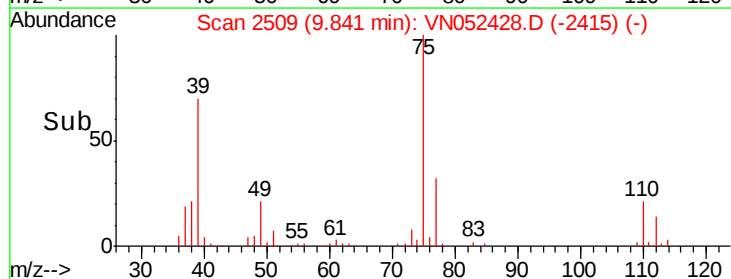
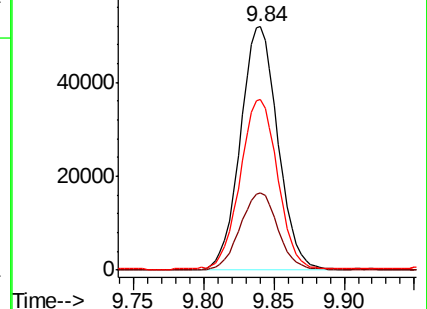
39 69.7 49.9 74.9

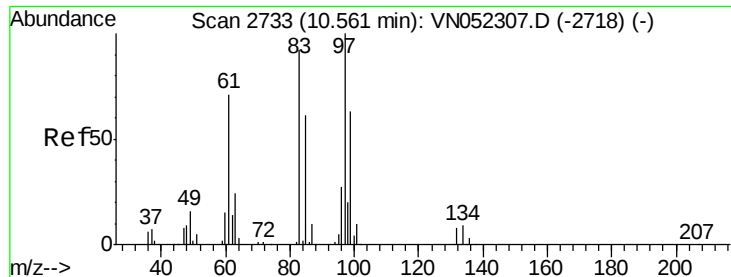


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

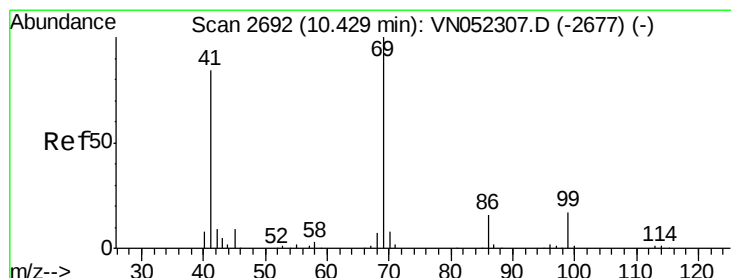
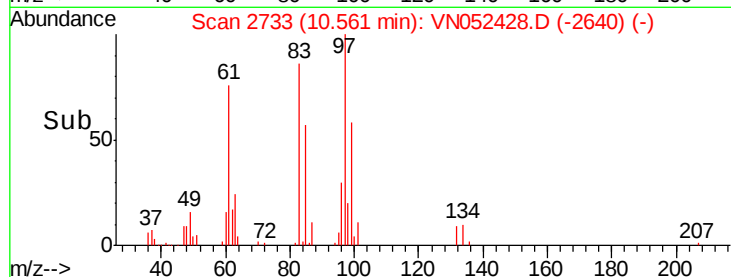
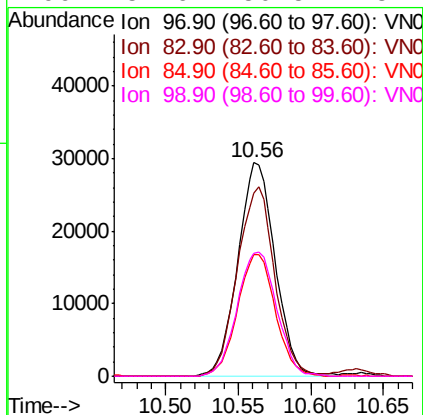
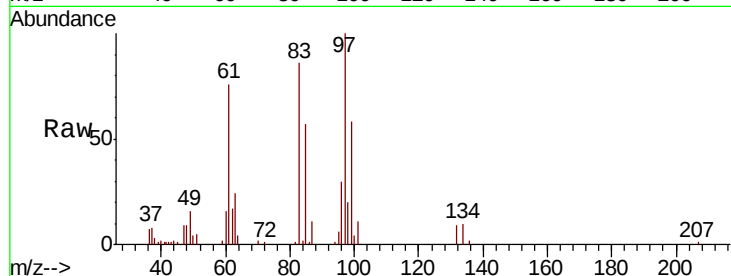




#55
 1,1,2-Trichloroethane
 Concen: 19.340 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

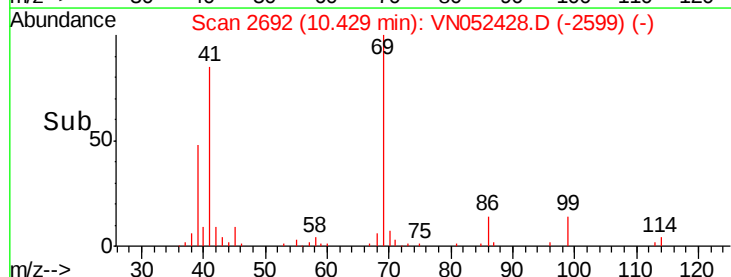
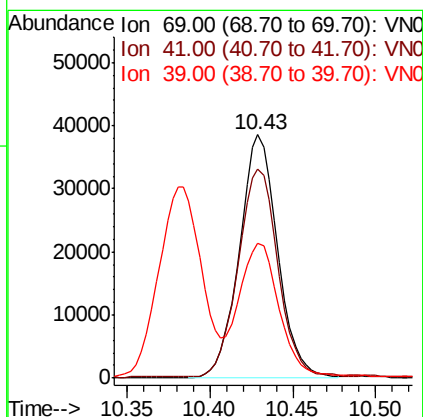
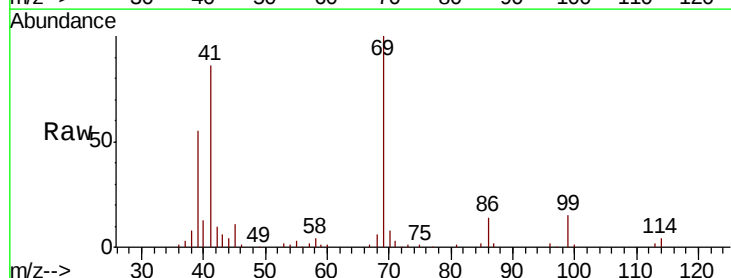
Instrument :
 MSVOA_N
 ClientSampleId :

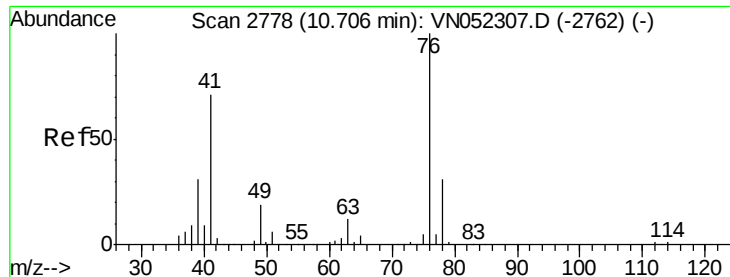
Tot Ion: 97 Resp: 52774
 Ion Ratio Lower Upper
 97 100
 83 85.9 73.8 110.6
 85 56.7 49.0 73.4
 99 57.6 50.5 75.7



#56
 Ethyl methacrylate
 Concen: 17.232 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 69 Resp: 61839
 Ion Ratio Lower Upper
 69 100
 41 88.1 64.8 97.2
 39 56.8 41.0 61.6





#57

1,3-Dichloropropane

Concen: 19.439 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

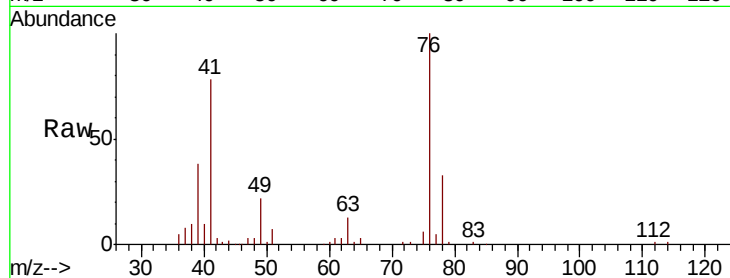
ClientSampleId :

Tot Ion: 76 Resp: 93951

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN052307.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN052307.D (-2762) (-)

10.71

50000

40000

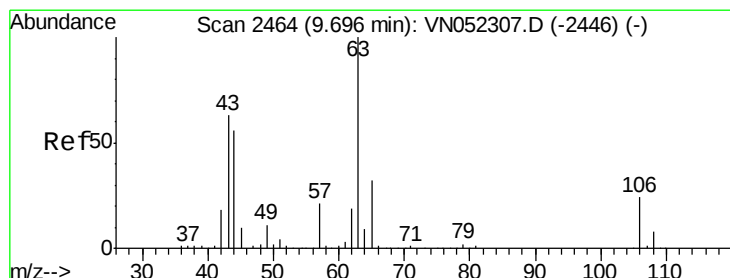
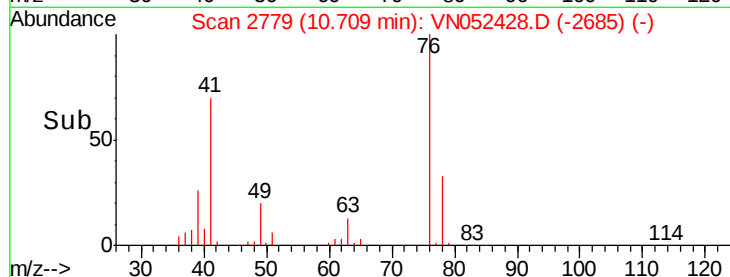
30000

20000

10000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 91.570 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052428.D

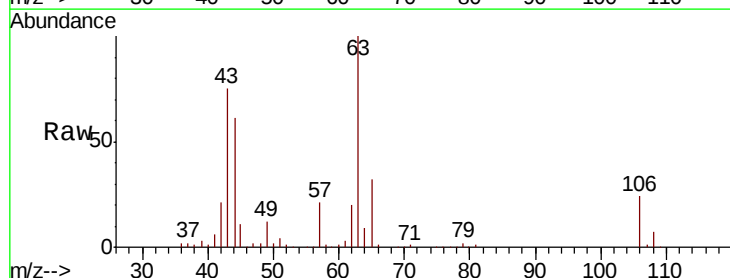
Acq: 21 Nov 2018 10:44

Tgt Ion: 63 Resp: 187083

Ion Ratio Lower Upper

63 100

106 23.9 19.3 28.9



Abundance Ion 62.90 (62.60 to 63.60): VN052307.D (-2446) (-)

Ion 105.90 (105.60 to 106.60): VN052307.D (-2446) (-)

9.70

120000

100000

80000

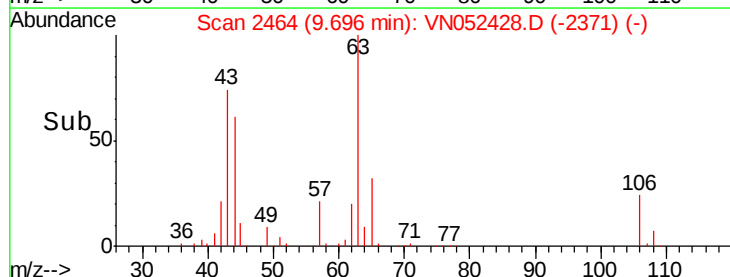
60000

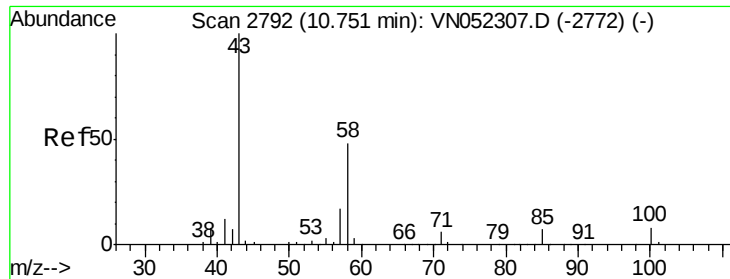
40000

20000

0

Time-->

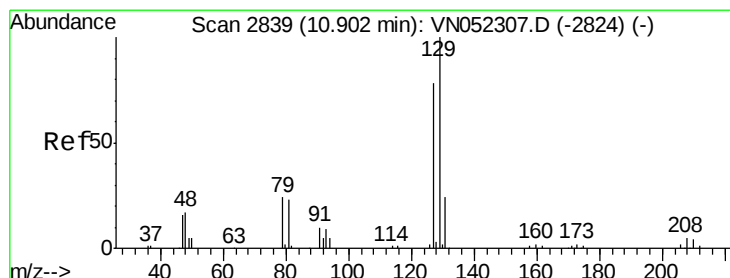
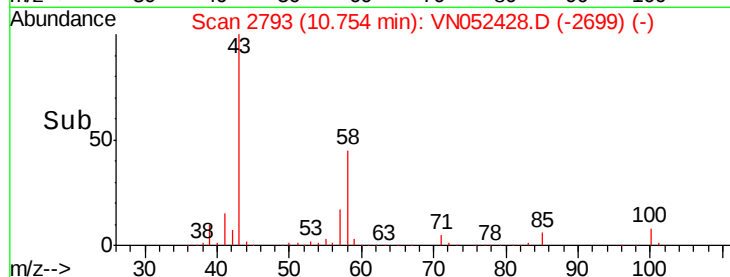
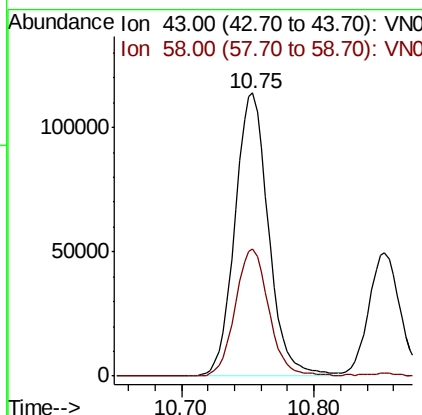
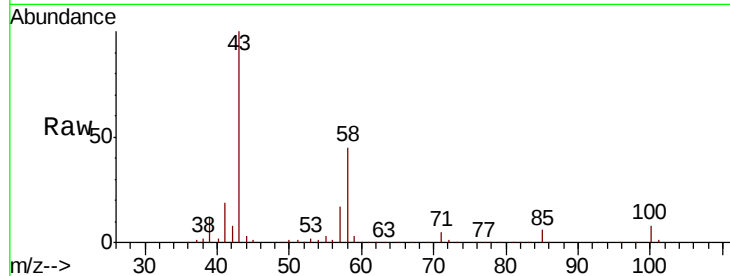




#59
2-Hexanone
Concen: 93.126 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

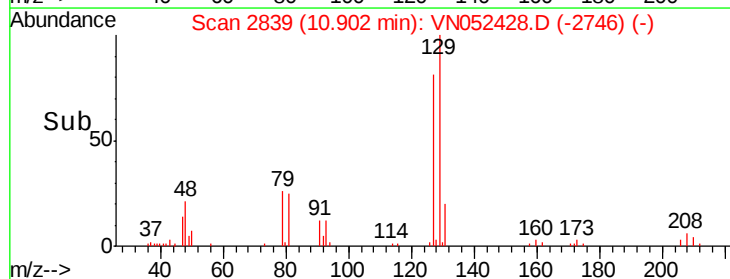
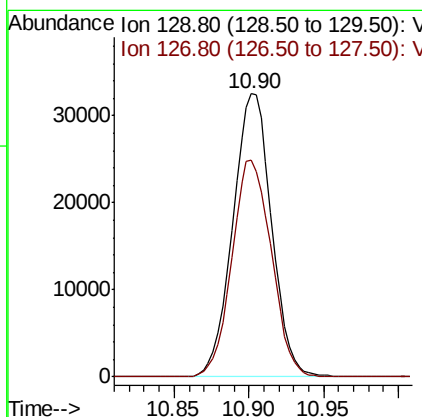
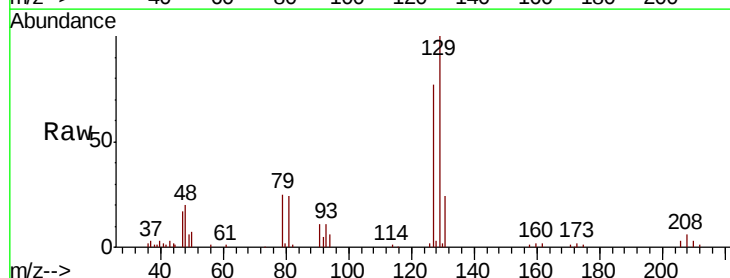
Instrument :
MSVOA_N
ClientSampled :

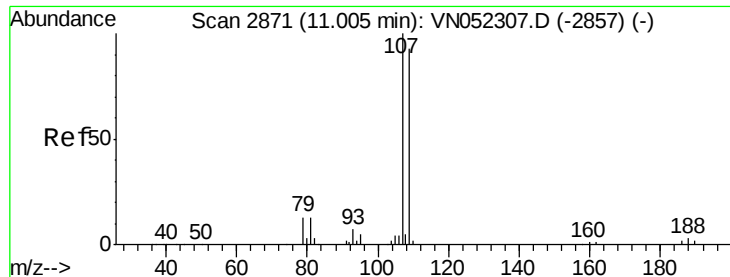
Tot Ion: 43 Resp: 198884
Ion Ratio Lower Upper
43 100
58 45.4 23.5 70.6



#60
Dibromochloromethane
Concen: 19.853 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion:129 Resp: 58612
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5

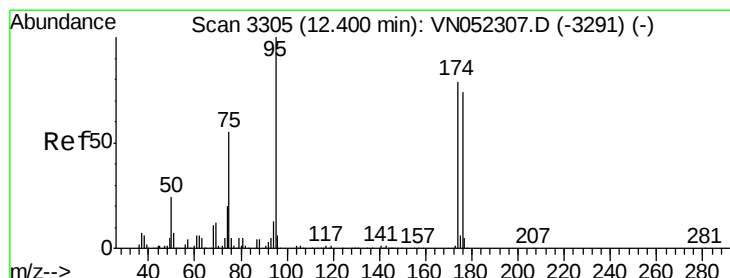
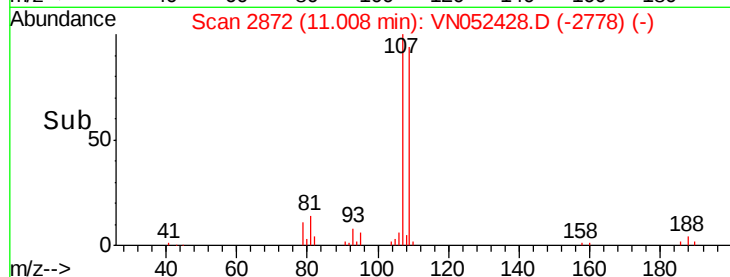
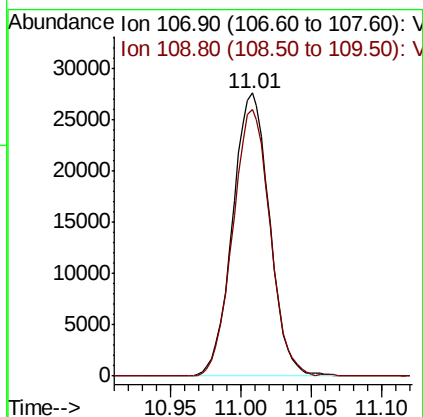
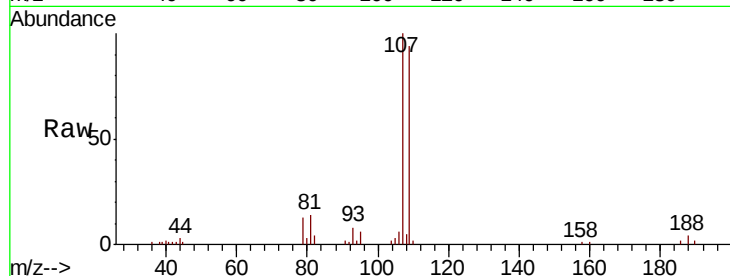




#61
 1,2-Dibromoethane
 Concen: 18.652 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

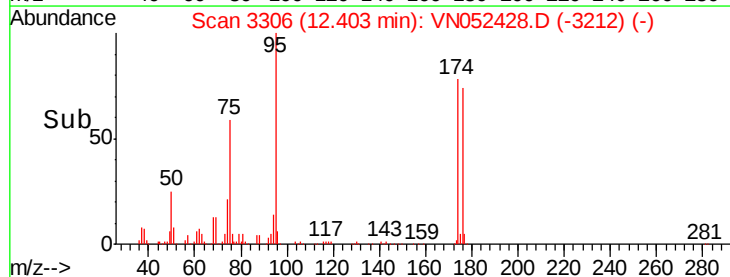
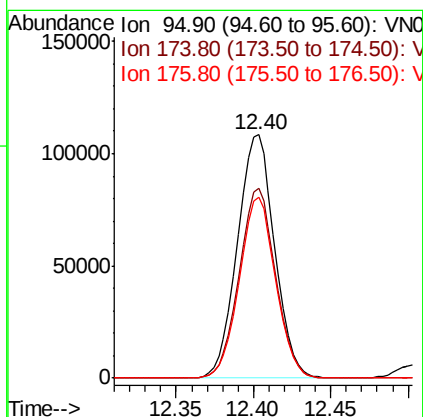
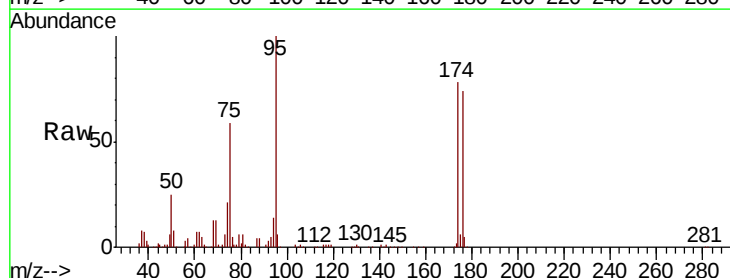
Instrument :
 MSVOA_N
 ClientSampleId :

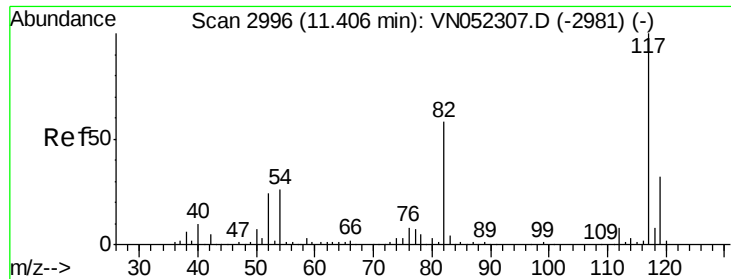
Tot Ion: 107 Resp: 50697
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 18.652 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion: 95 Resp: 181070
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 156.0
 176 72.7 0.0 148.4

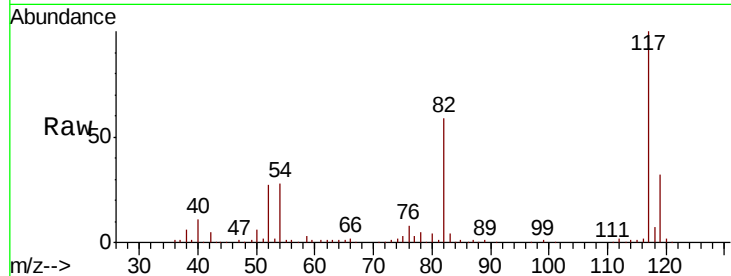




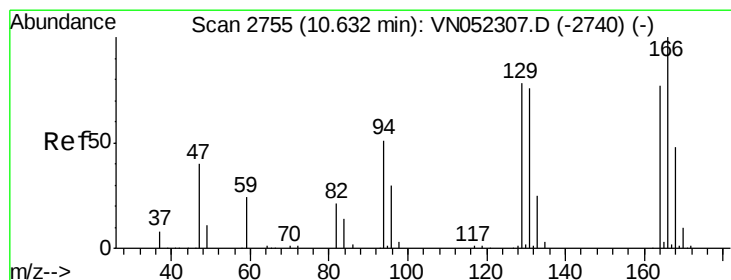
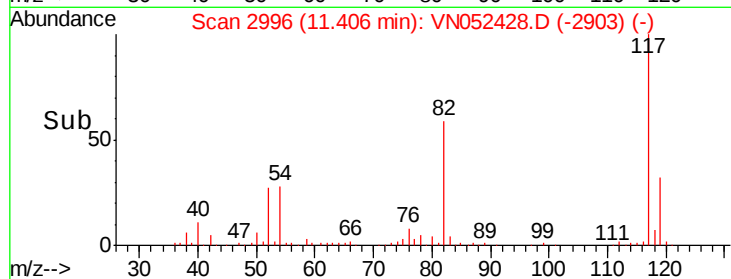
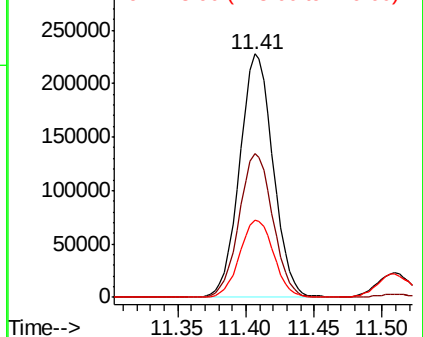
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 387931
Ion Ratio Lower Upper
117 100
82 58.9 46.5 69.7
119 31.7 25.7 38.5

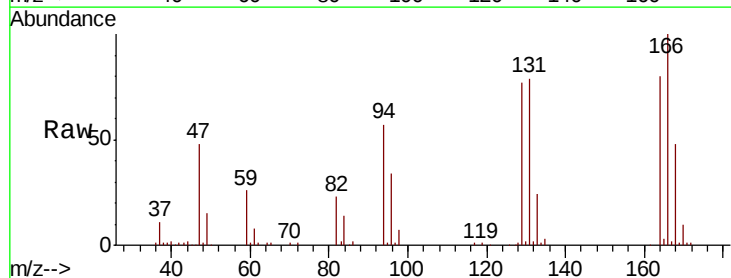


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

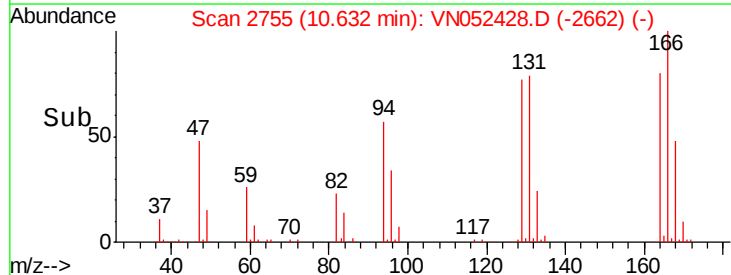
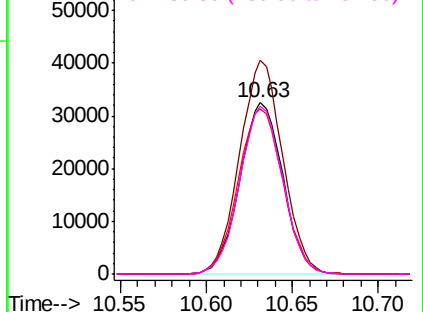


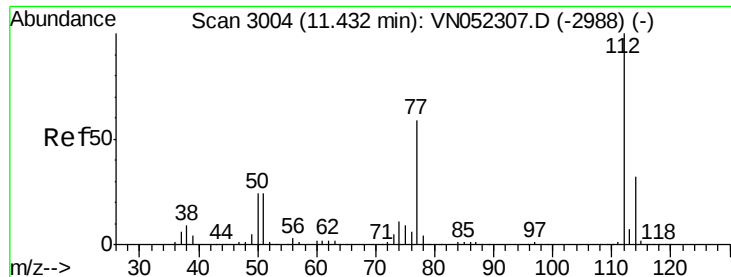
#64
Tetrachloroethene
Concen: 20.475 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion:164 Resp: 56470
Ion Ratio Lower Upper
164 100
166 124.8 103.8 155.6
129 96.6 80.7 121.1
131 98.0 78.5 117.7



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

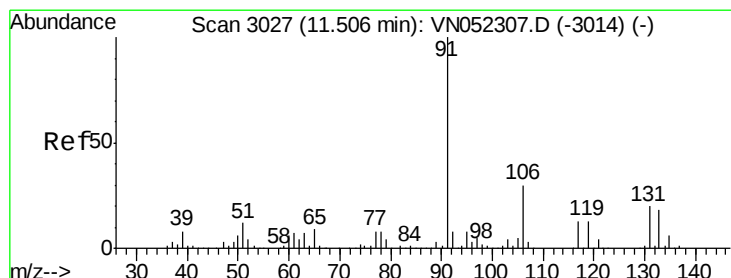
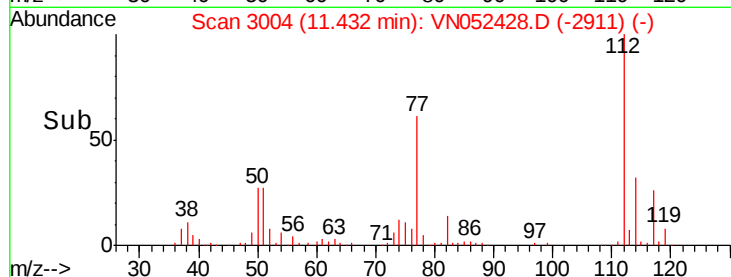
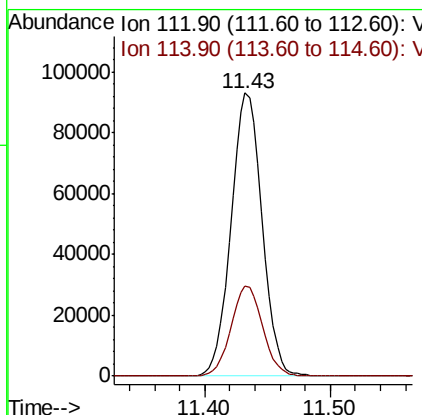
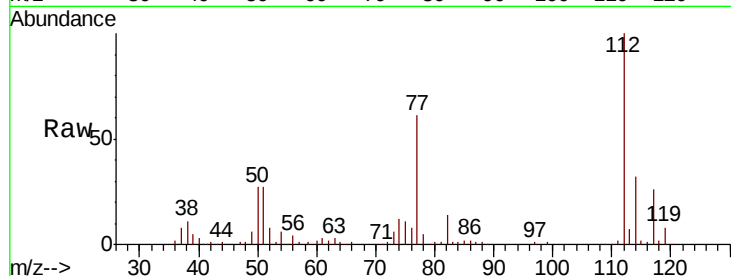




#65
Chlorobenzene
Concen: 19.491 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

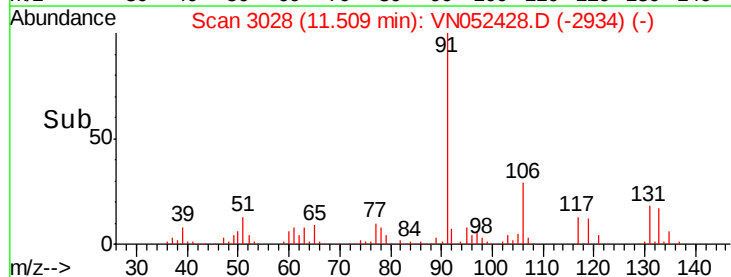
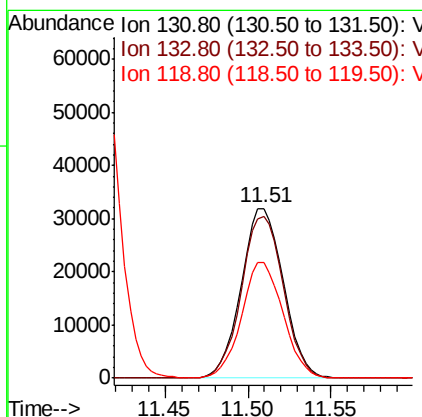
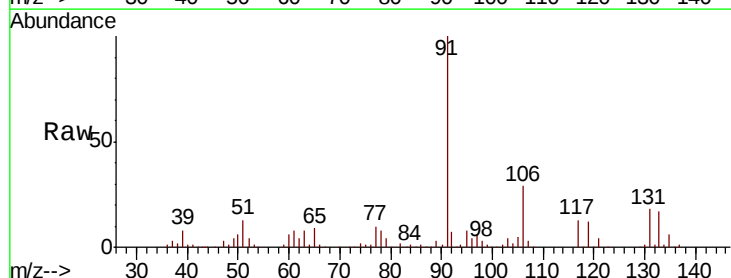
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 159823
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.226 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion:131 Resp: 56557
Ion Ratio Lower Upper
131 100
133 95.1 47.4 142.3
119 67.3 33.3 99.9

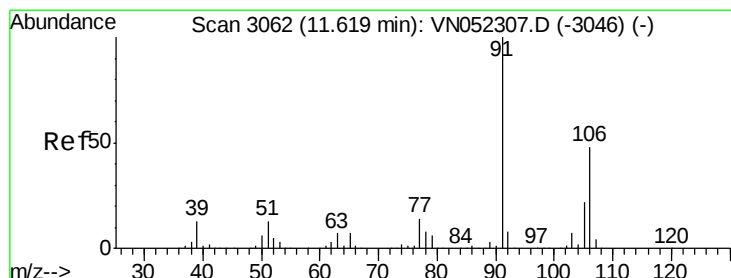
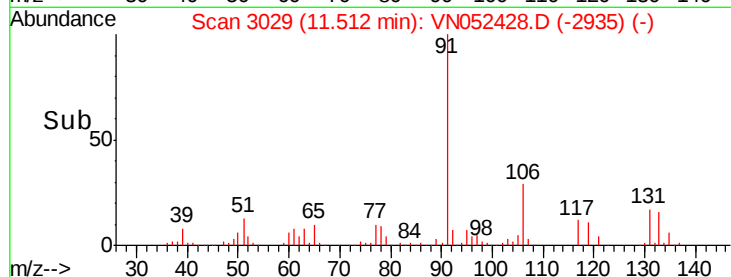
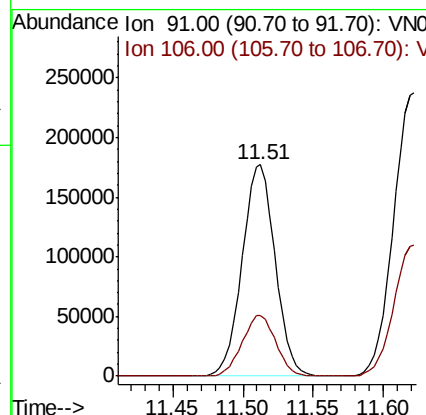
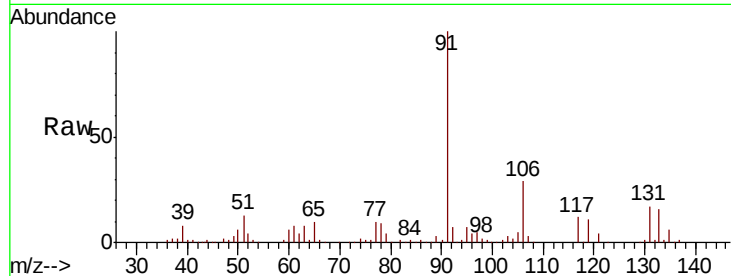




#67
Ethyl Benzene
Concen: 20.447 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

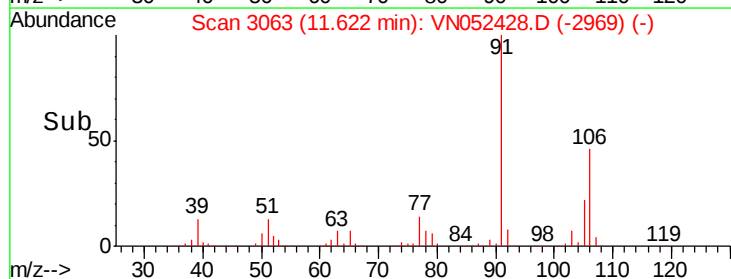
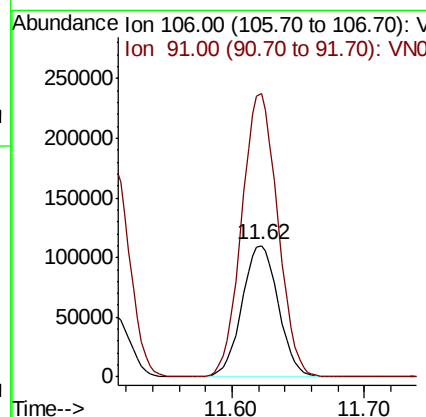
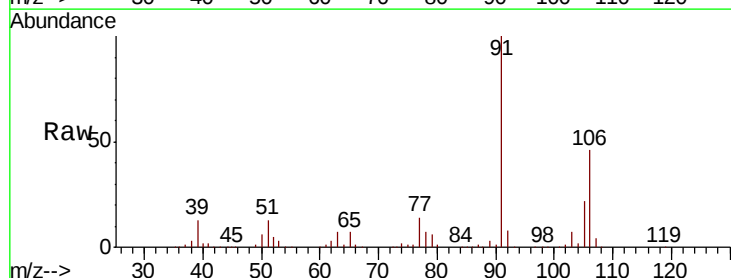
Instrument :
MSVOA_N
ClientSampled :

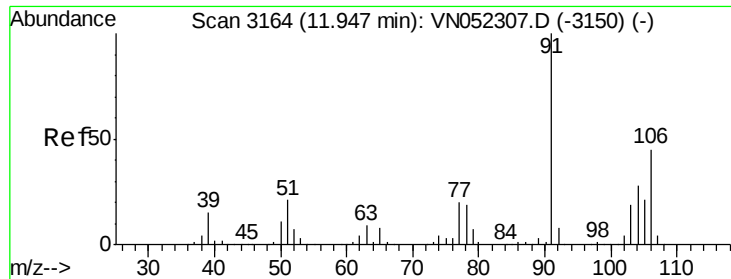
Tot Ion: 91 Resp: 290992
Ion Ratio Lower Upper
91 100
106 29.0 24.2 36.2



#68
m/p-Xylenes
Concen: 40.150 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 106 Resp: 208781
Ion Ratio Lower Upper
106 100
91 214.9 165.5 248.3

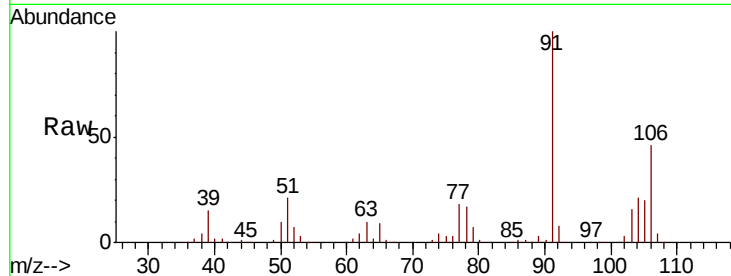




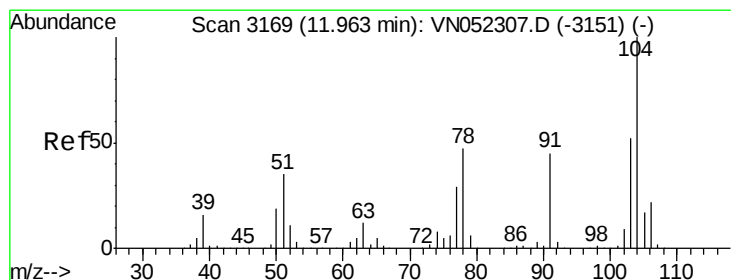
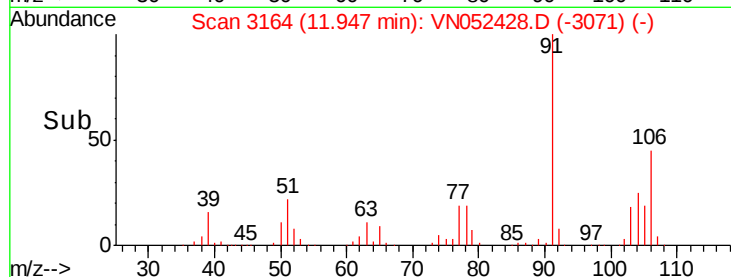
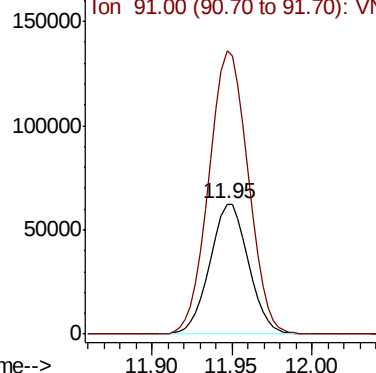
#69
o-Xylene
Concen: 20.576 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 102562
Ion Ratio Lower Upper
106 100
91 221.8 110.0 330.0

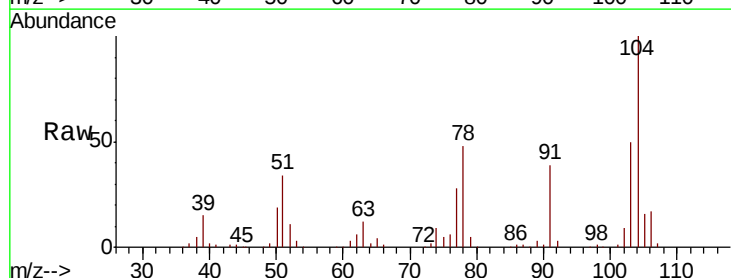


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

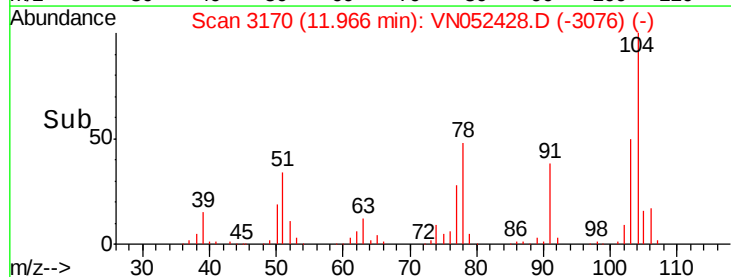
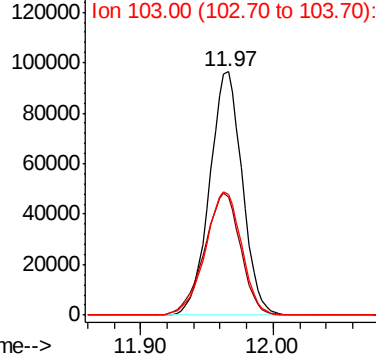


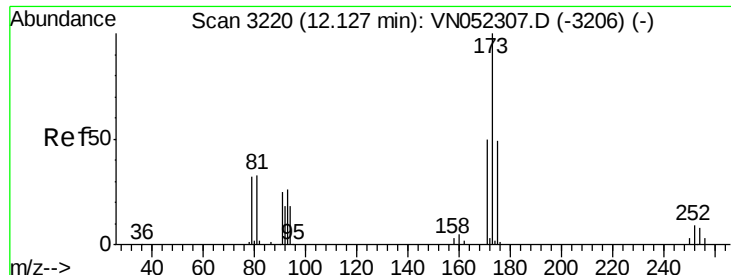
#70
Styrene
Concen: 20.634 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion:104 Resp: 164690
Ion Ratio Lower Upper
104 100
78 55.3 42.7 64.1
103 56.3 45.4 68.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

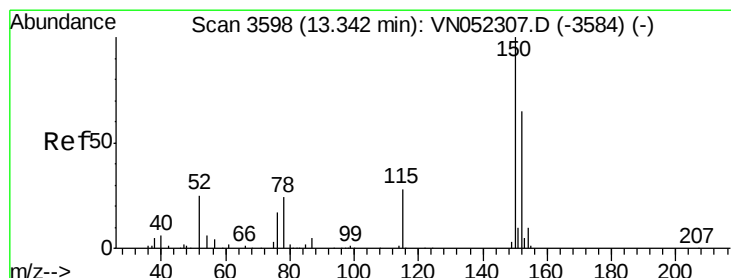
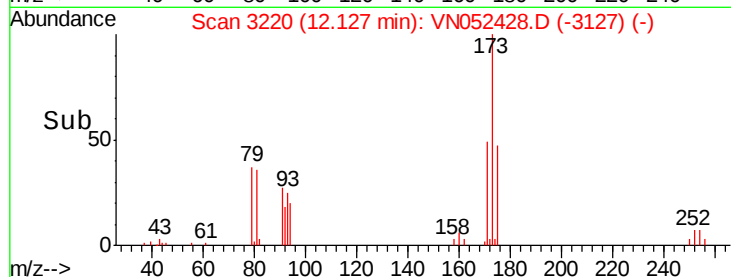
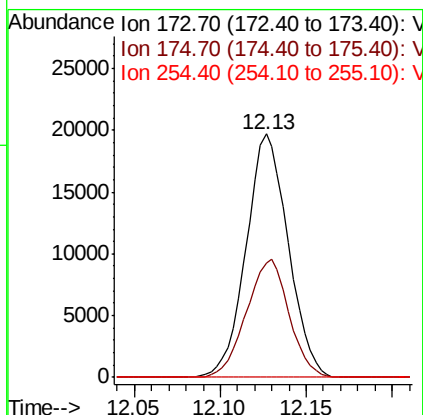
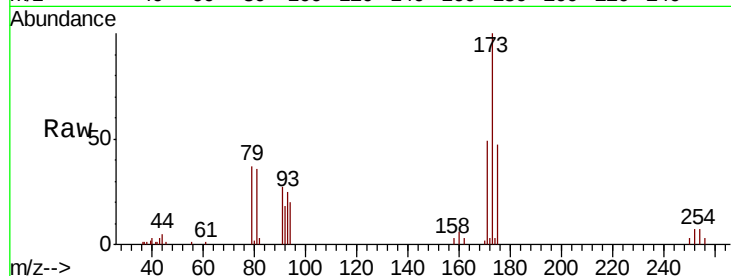




#71
Bromoform
Concen: 20.251 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

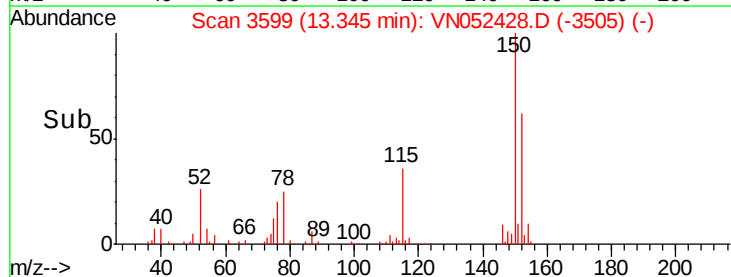
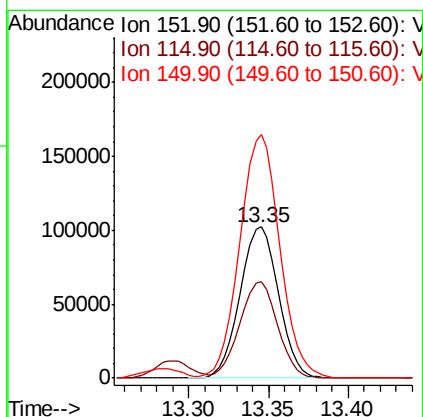
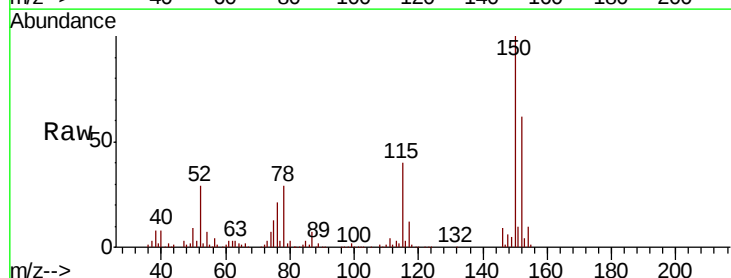
Instrument :
MSVOA_N
ClientSampled :

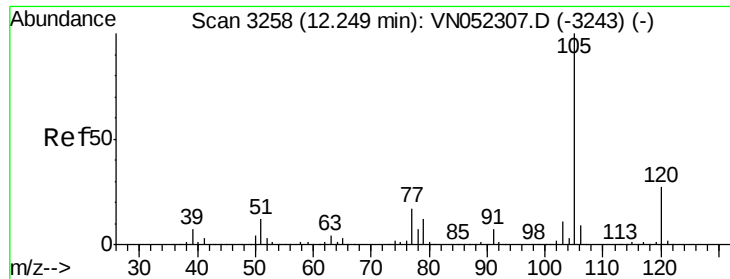
Tot Ion:173 Resp: 33433
Ion Ratio Lower Upper
173 100
175 49.0 25.0 75.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion:152 Resp: 167803
Ion Ratio Lower Upper
152 100
115 62.7 30.3 91.0
150 167.2 0.0 348.2





#73

Isopropylbenzene

Concen: 20.841 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

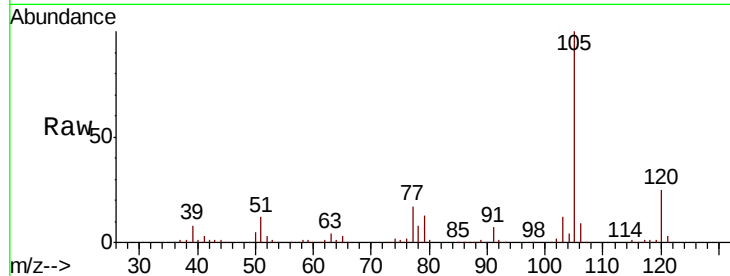
ClientSampleId :

Tot Ion:105 Resp: 281167

Ion Ratio Lower Upper

105 100

120 25.3 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

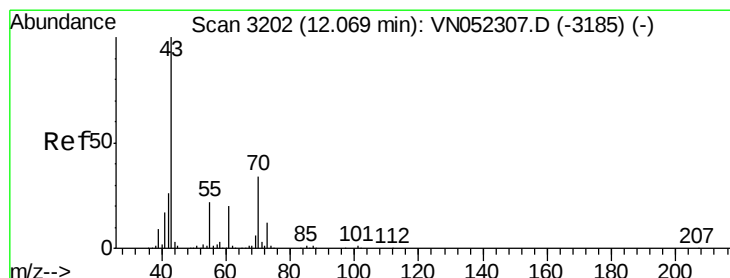
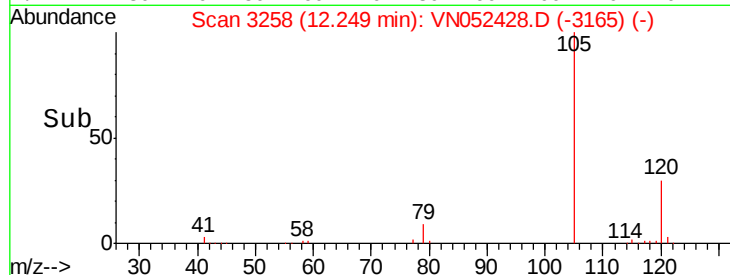
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 16.555 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Tgt Ion: 43 Resp: 79550

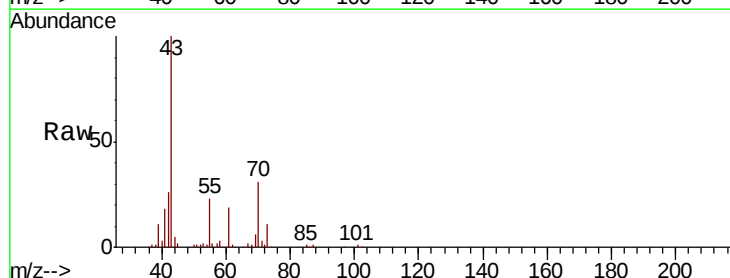
Ion Ratio Lower Upper

43 100

70 33.0 27.1 40.7

55 24.1 17.4 26.0

61 19.8 16.1 24.1



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

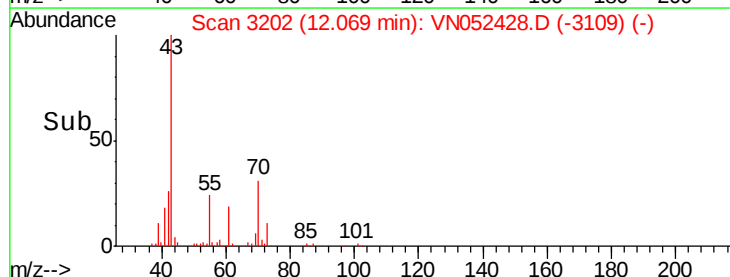
60000

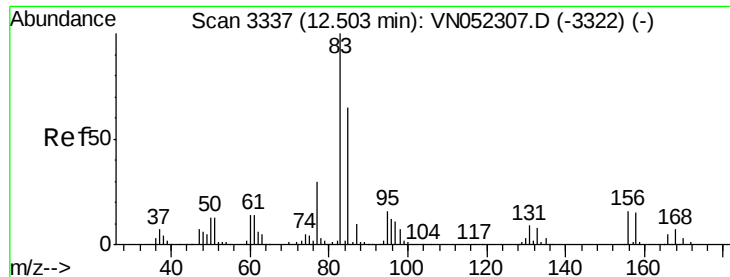
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.883 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

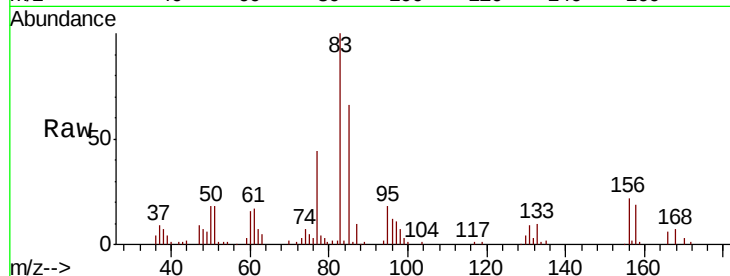
Tot Ion: 83 Resp: 61585

Ion Ratio Lower Upper

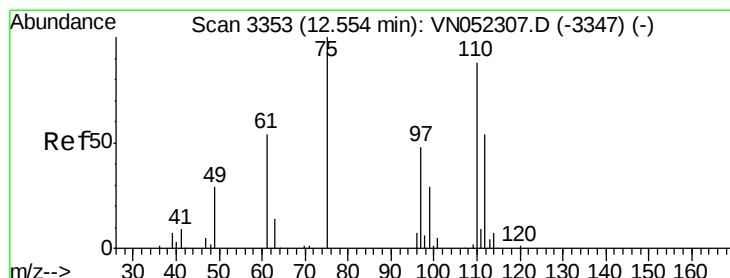
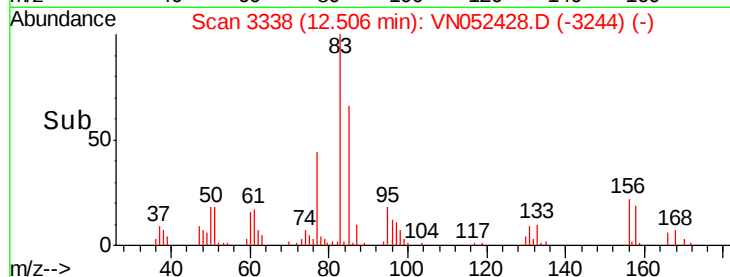
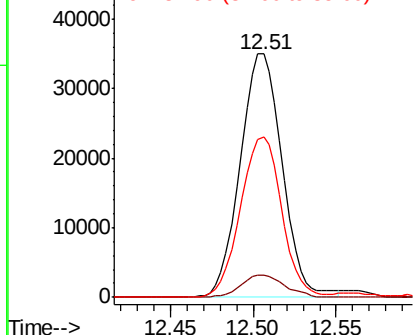
83 100

131 9.5 4.7 14.1

85 64.6 32.4 97.2



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



#76

1,2,3-Trichloropropane

Concen: 27.926 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052428.D

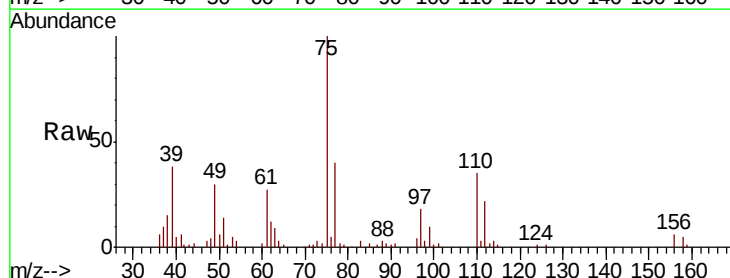
Acq: 21 Nov 2018 10:44

Tgt Ion: 75 Resp: 79515

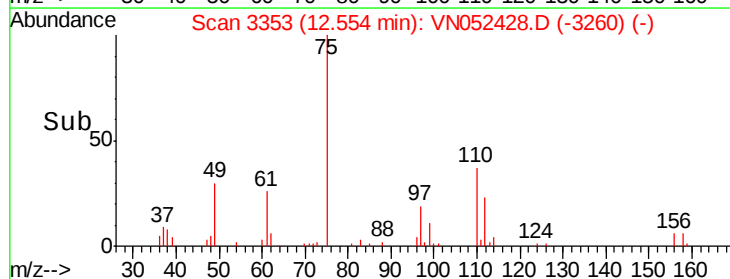
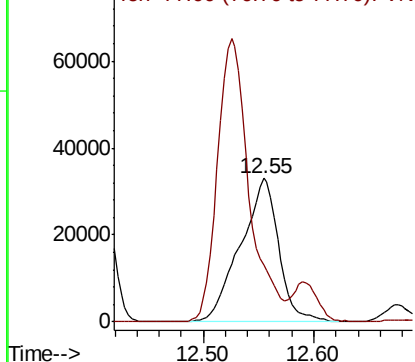
Ion Ratio Lower Upper

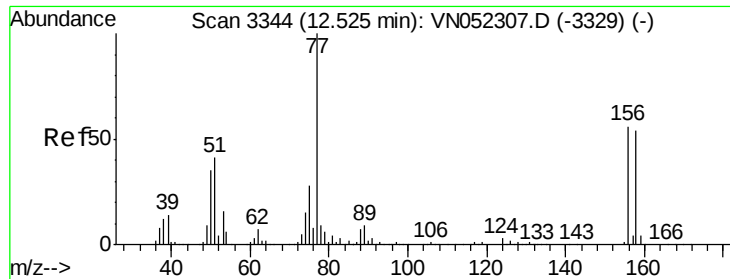
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.113 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampled :

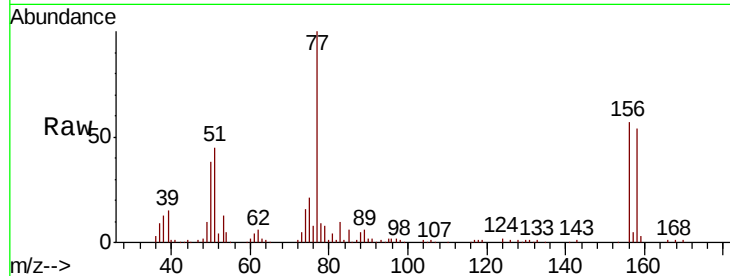
Tot Ion:156 Resp: 63136

Ion Ratio Lower Upper

156 100

77 206.0 103.6 310.9

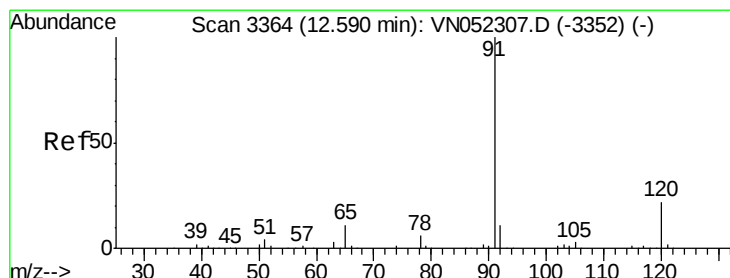
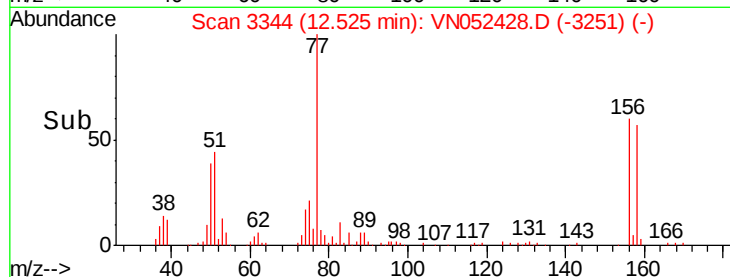
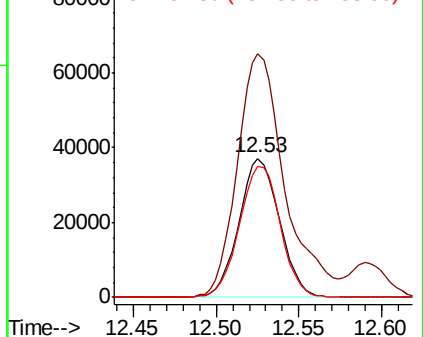
158 95.4 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.733 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052428.D

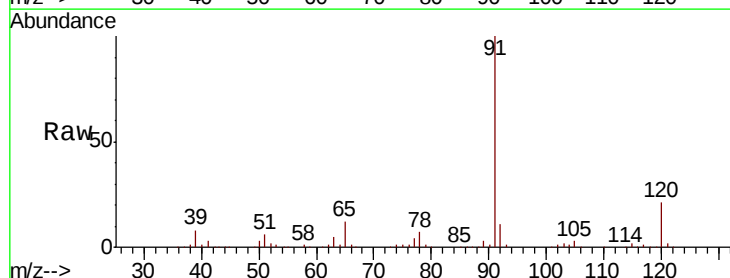
Acq: 21 Nov 2018 10:44

Tgt Ion: 91 Resp: 327136

Ion Ratio Lower Upper

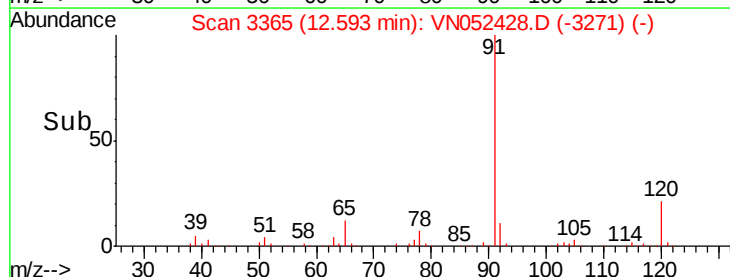
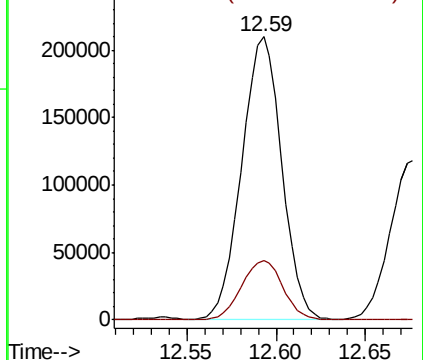
91 100

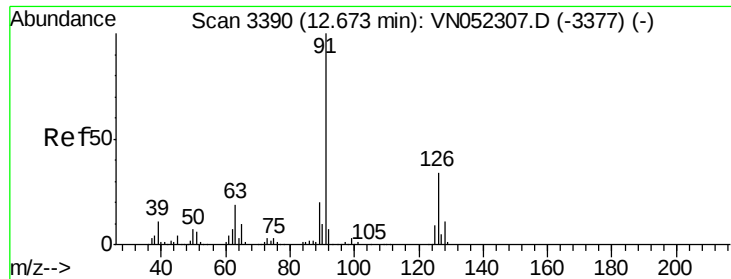
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.742 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

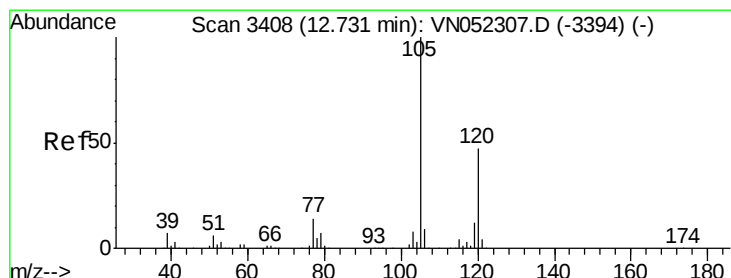
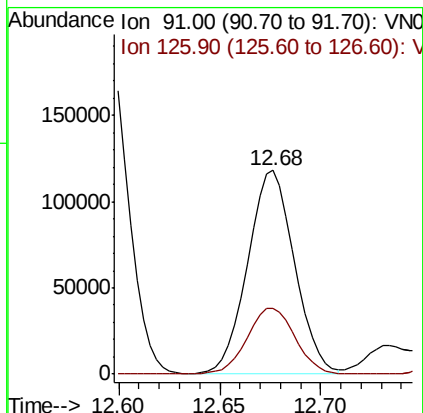
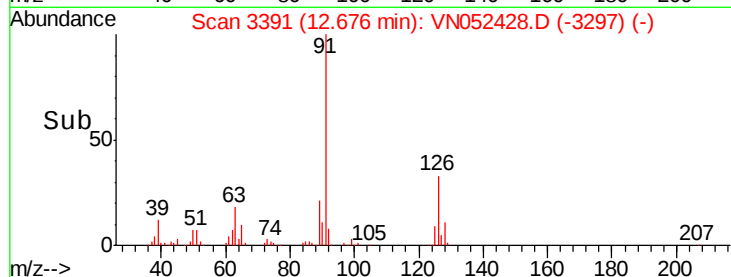
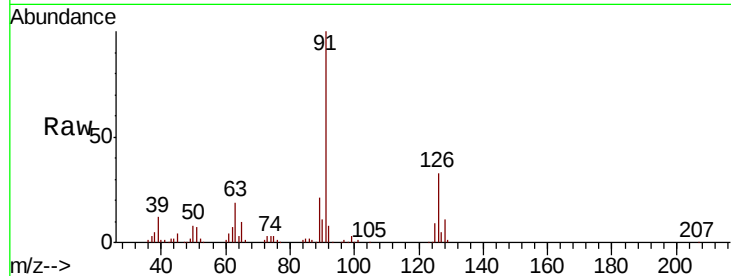
ClientSampled :

Tot Ion: 91 Resp: 191190

Ion Ratio Lower Upper

91 100

126 33.5 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 20.932 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052428.D

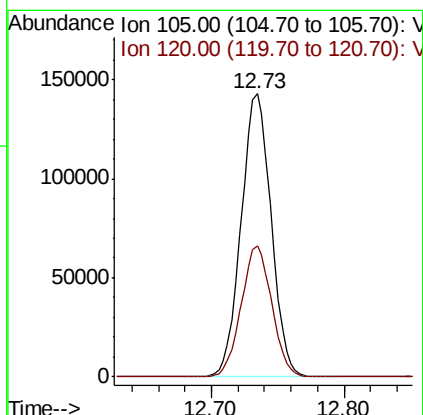
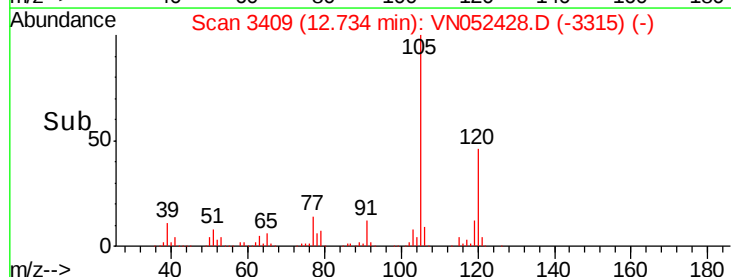
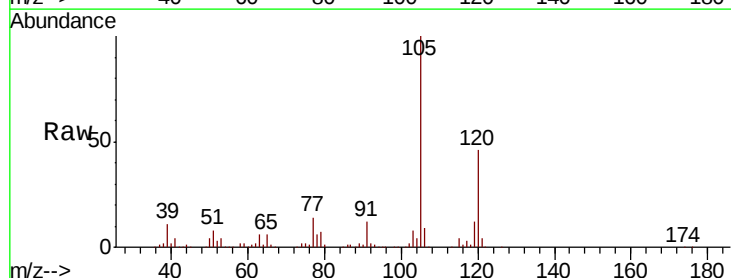
Acq: 21 Nov 2018 10:44

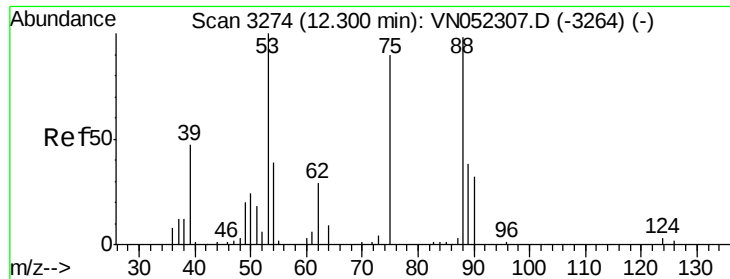
Tgt Ion: 105 Resp: 224571

Ion Ratio Lower Upper

105 100

120 47.1 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 16.773 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampled :

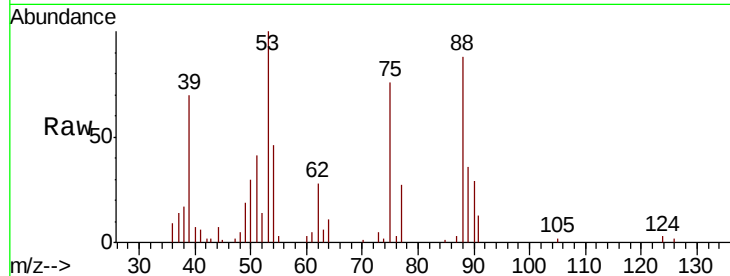
Tot Ion: 75 Resp: 14725

Ion Ratio Lower Upper

75 100

53 132.4 90.2 135.2

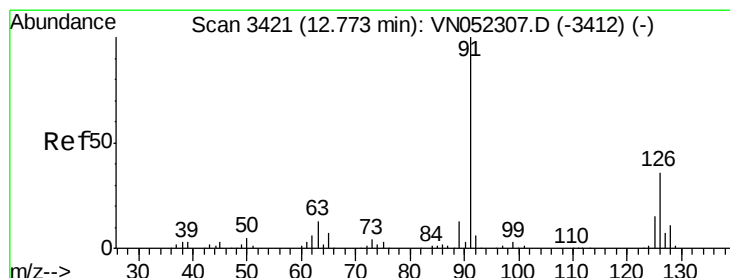
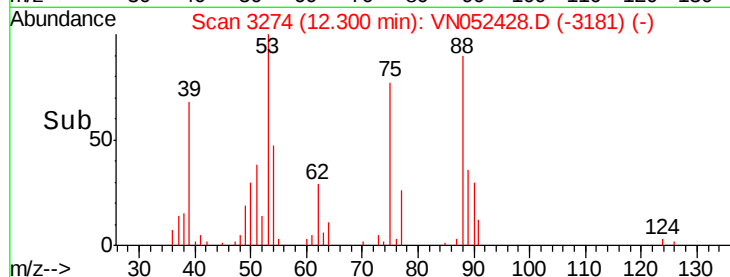
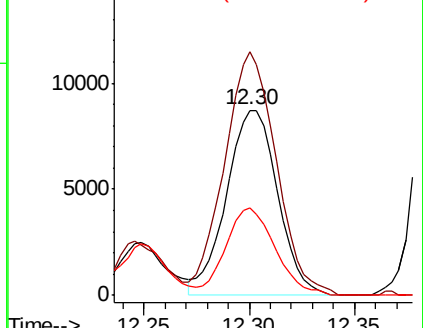
89 45.5 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN052428.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN052428.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN052428.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 20.584 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052428.D

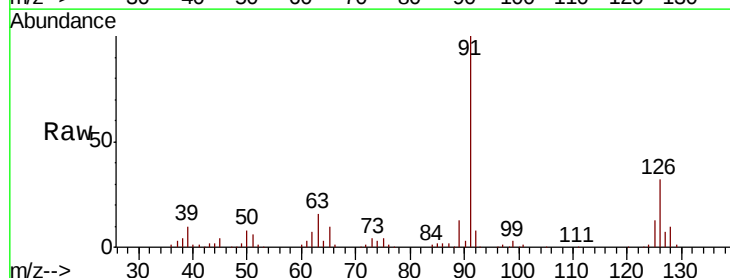
Acq: 21 Nov 2018 10:44

Tgt Ion: 91 Resp: 194382

Ion Ratio Lower Upper

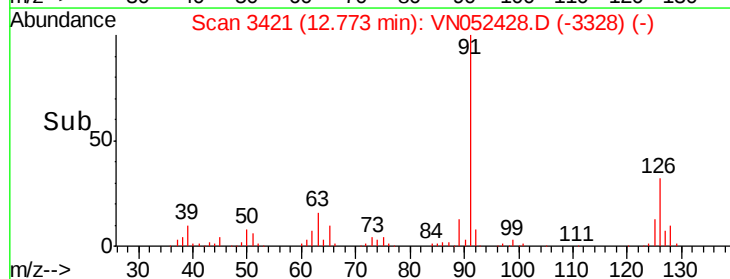
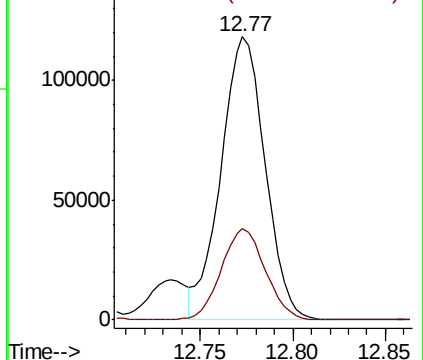
91 100

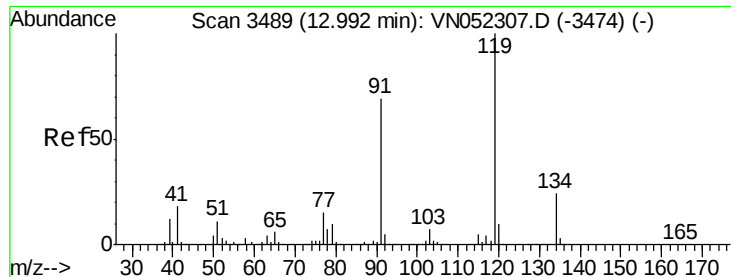
126 32.2 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VN052428.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN052428.D (-3328) (-)

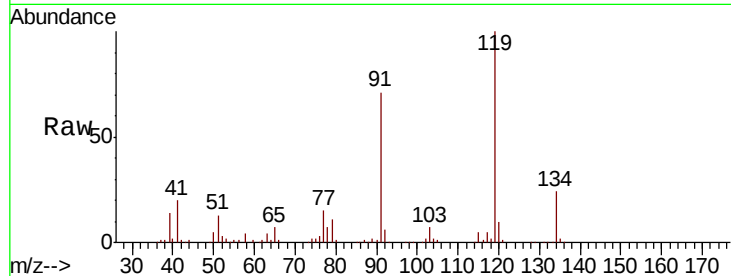




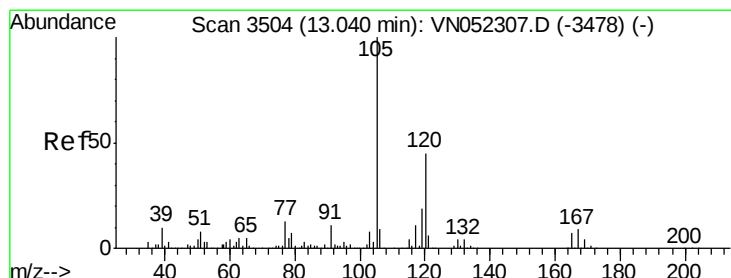
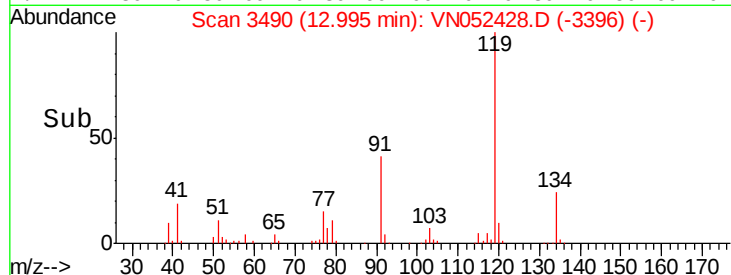
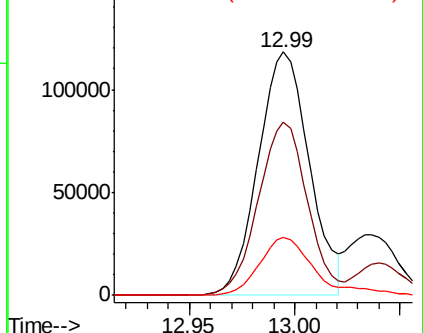
#83
tert-Butylbenzene
Concen: 21.032 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 199217
Ion Ratio Lower Upper
119 100
91 68.9 33.8 101.3
134 25.8 11.9 35.9

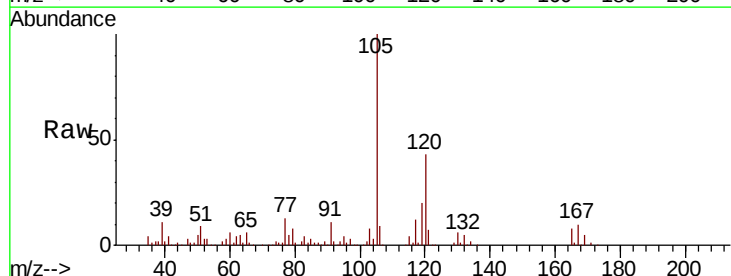


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

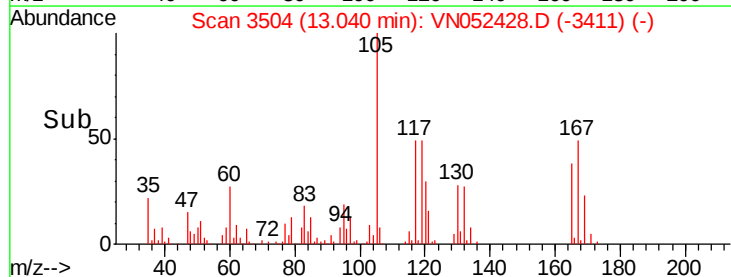
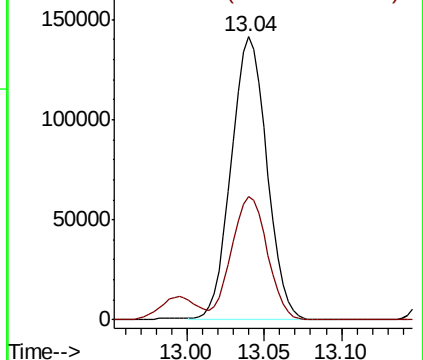


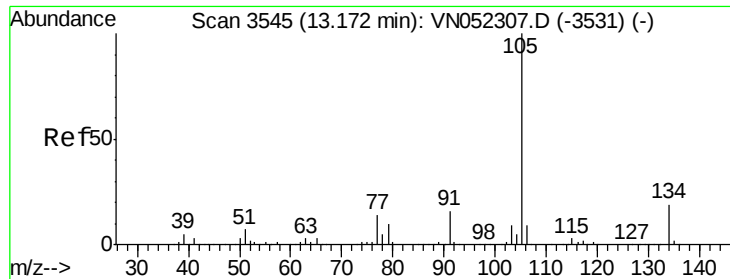
#84
1,2,4-Trimethylbenzene
Concen: 20.911 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion:105 Resp: 225225
Ion Ratio Lower Upper
105 100
120 44.0 22.5 67.5



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

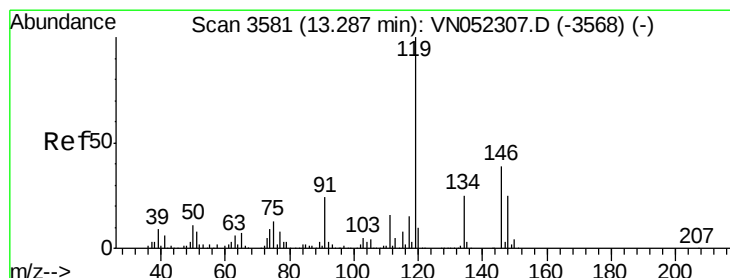
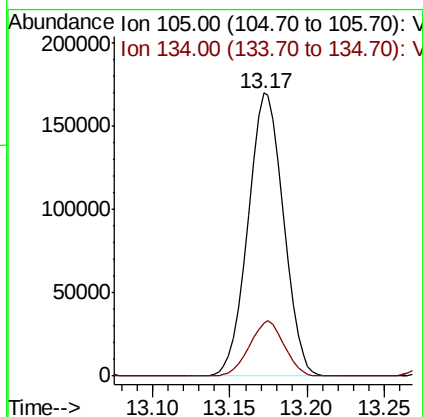
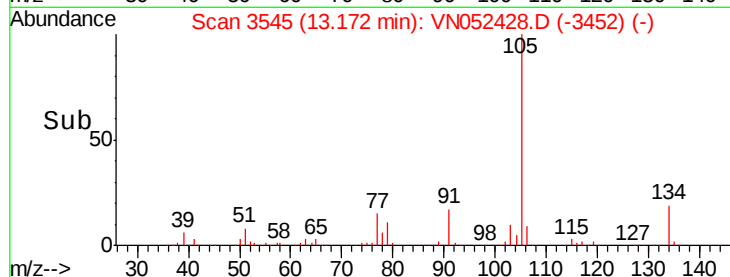
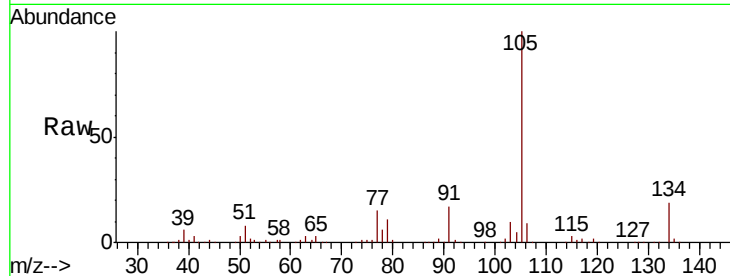




#85
 sec-Butylbenzene
 Concen: 21.053 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

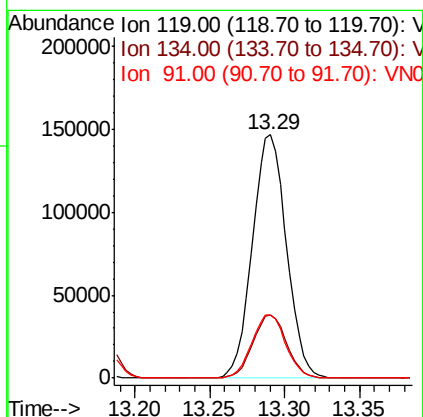
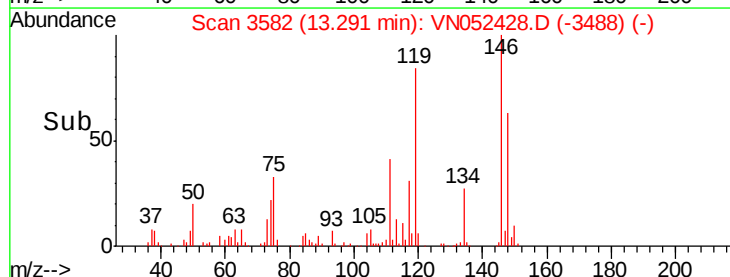
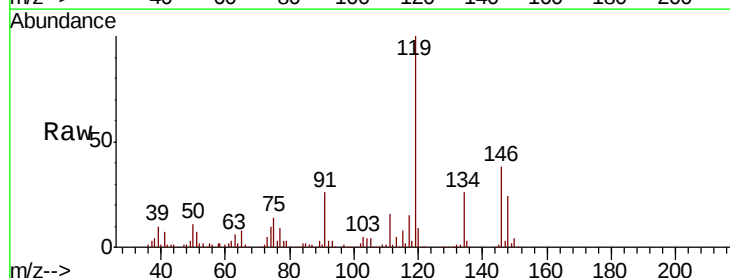
Instrument :
 MSVOA_N
 ClientSampleId :

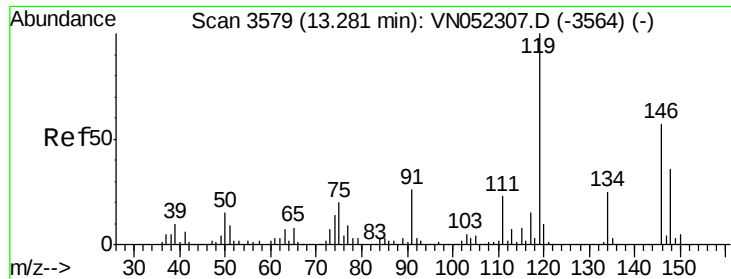
Tot Ion:105 Resp: 271638
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 21.250 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion:119 Resp: 232261
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 25.9 12.4 37.0

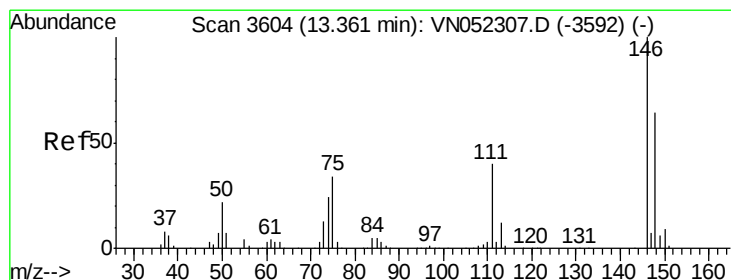
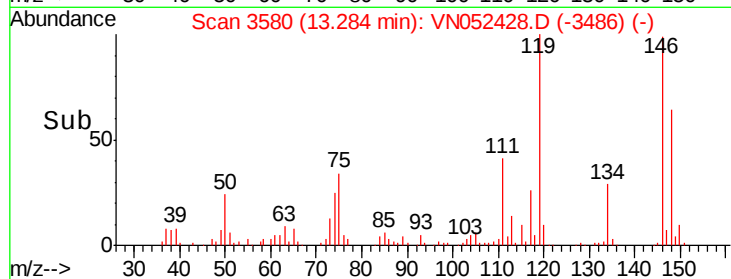
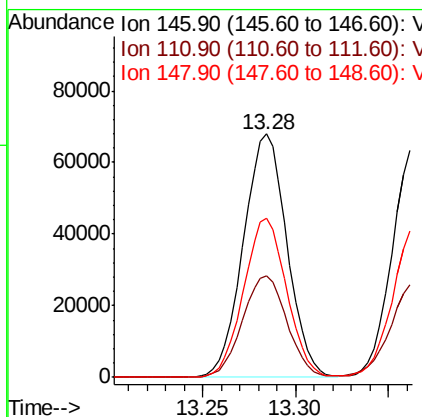
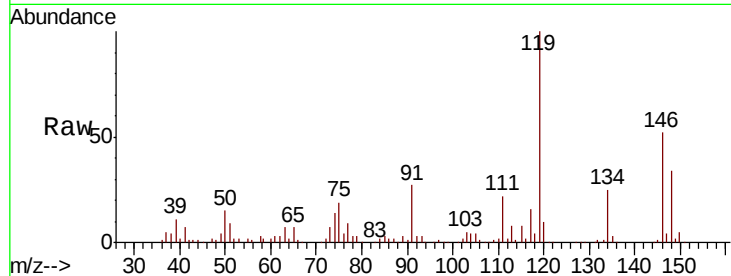




#87
 1,3-Dichlorobenzene
 Concen: 19.995 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

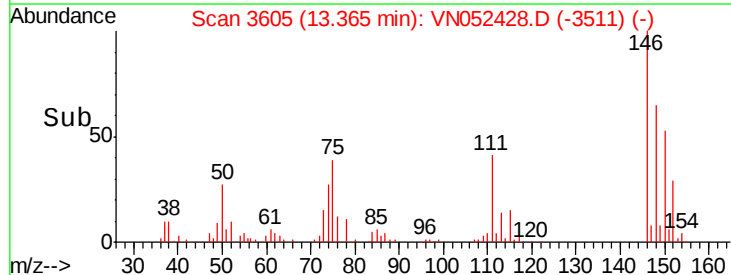
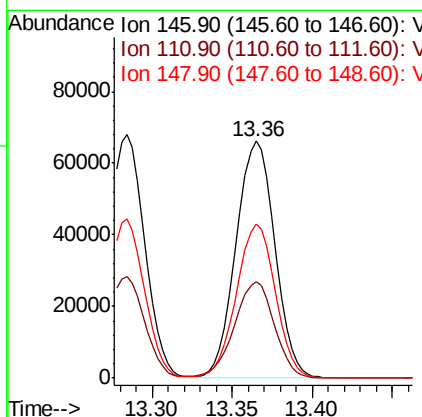
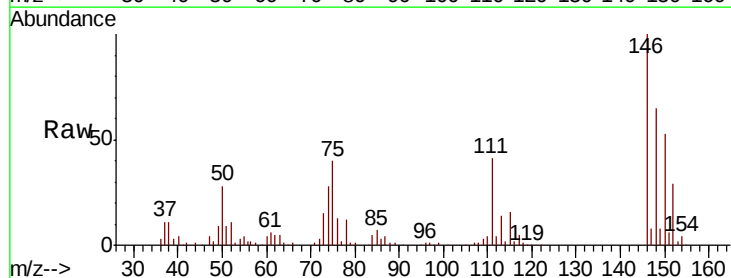
Instrument :
 MSVOA_N
 ClientSampled :

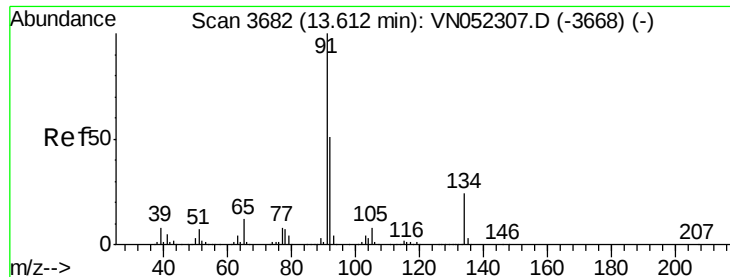
Tot Ion:146 Resp: 111472
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.3 61.0
 148 64.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.876 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion:146 Resp: 110167
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.6 61.8
 148 64.9 32.4 97.2

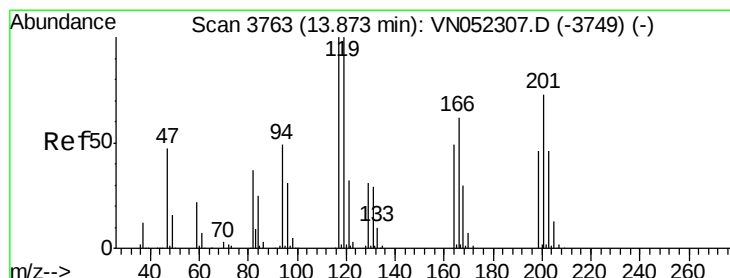
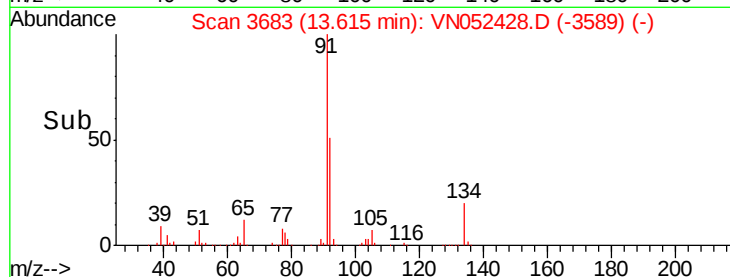
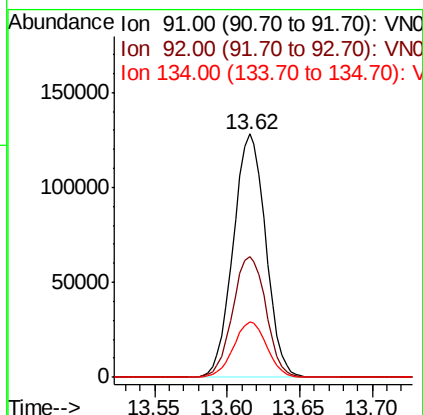
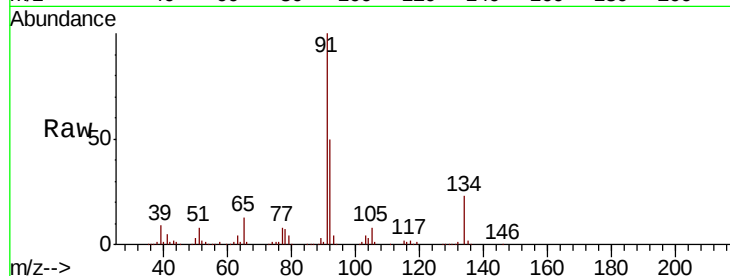




#89
n-Butylbenzene
Concen: 21.261 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

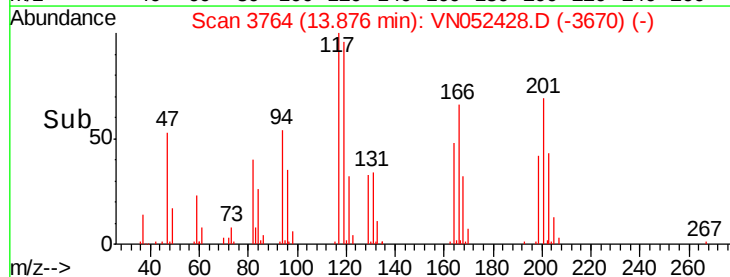
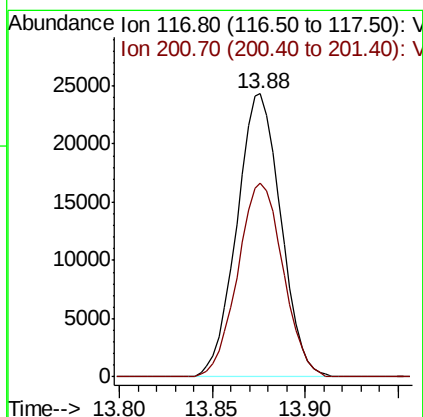
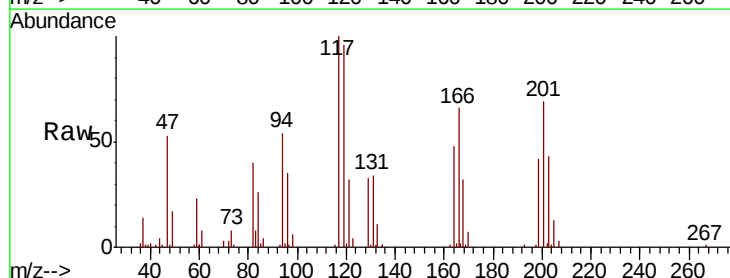
Instrument :
MSVOA_N
ClientSampleId :

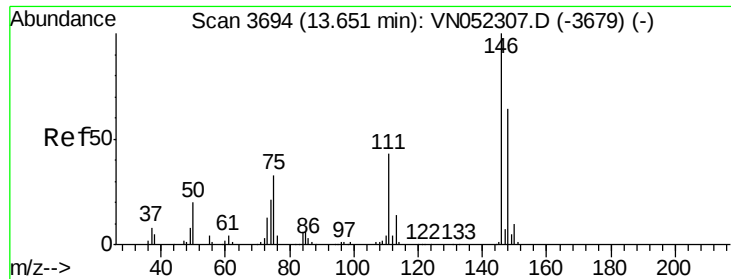
Tot Ion: 91 Resp: 199586
Ion Ratio Lower Upper
91 100
92 50.8 25.4 76.2
134 23.2 12.2 36.4



#90
Hexachloroethane
Concen: 20.756 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052428.D
Acq: 21 Nov 2018 10:44

Tgt Ion: 117 Resp: 40180
Ion Ratio Lower Upper
117 100
201 70.5 35.3 105.9





#91

1,2-Dichlorobenzene

Concen: 19.734 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampled :

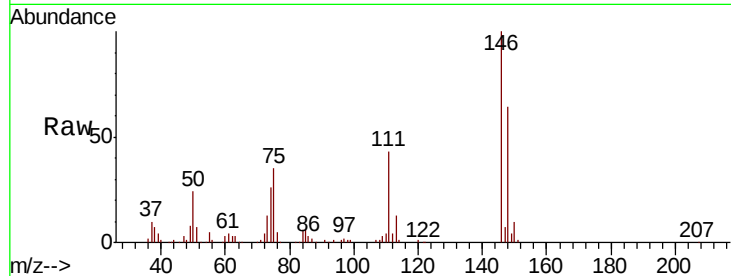
Tot Ion:146 Resp: 106591

Ion Ratio Lower Upper

146 100

111 43.4 21.3 63.9

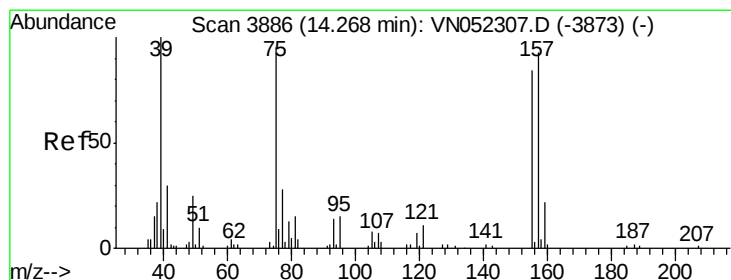
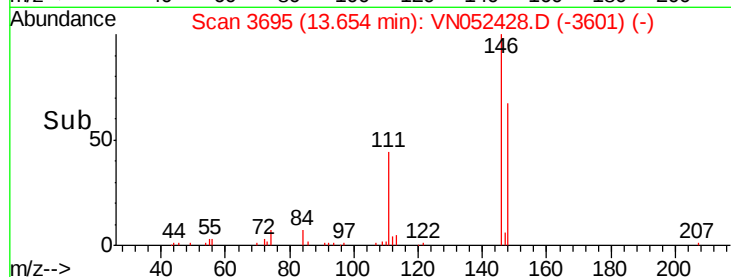
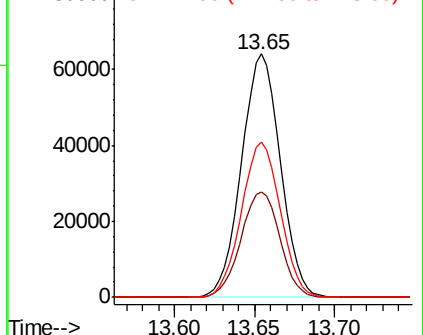
148 63.8 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.669 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.01 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

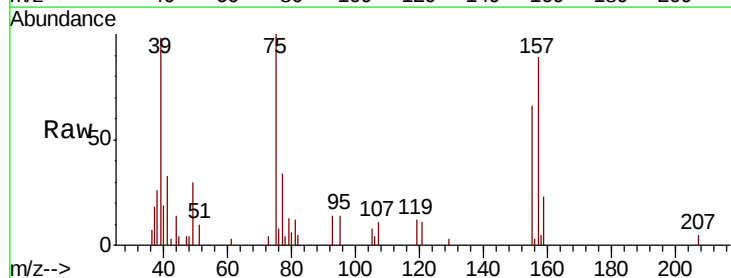
Tgt Ion: 75 Resp: 9459

Ion Ratio Lower Upper

75 100

155 68.0 42.4 127.3

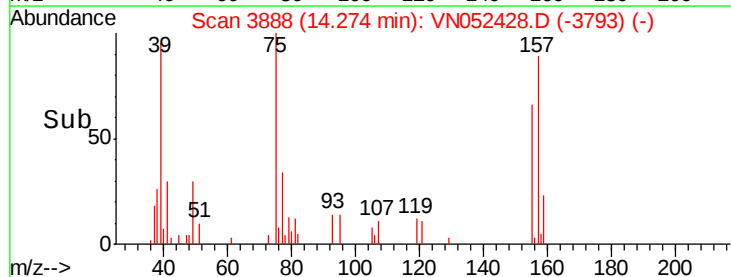
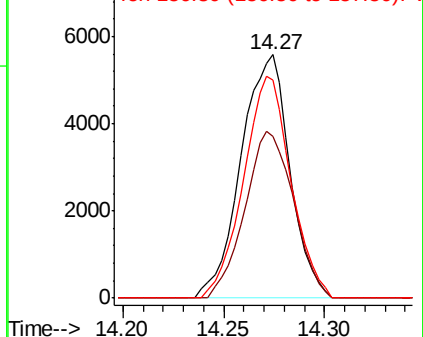
157 88.2 49.6 149.0

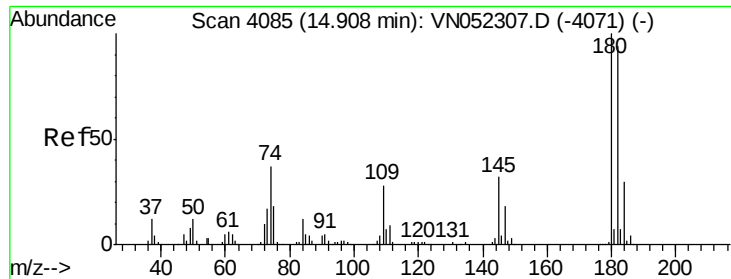


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

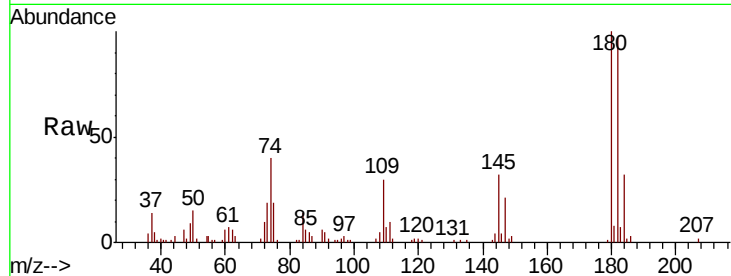




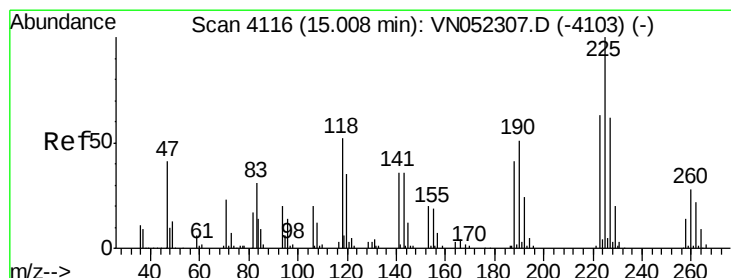
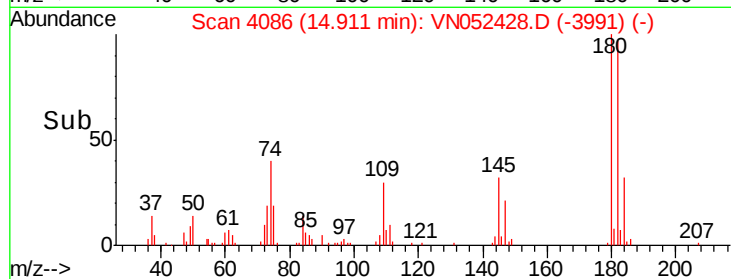
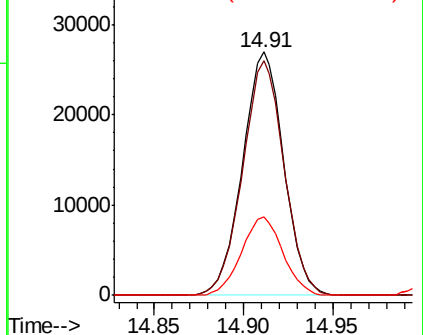
#93
 1,2,4-Trichlorobenzene
 Concen: 18.735 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 43369
 Ion Ratio Lower Upper
 180 100
 182 96.8 47.6 142.9
 145 32.3 15.5 46.5

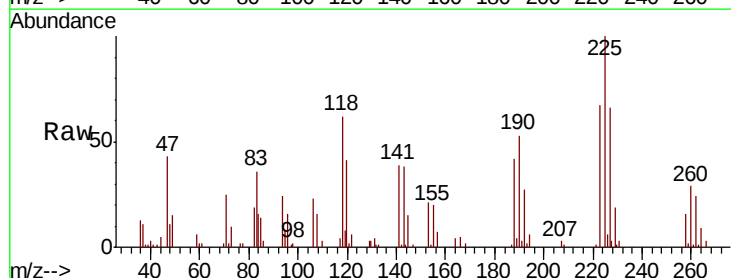


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

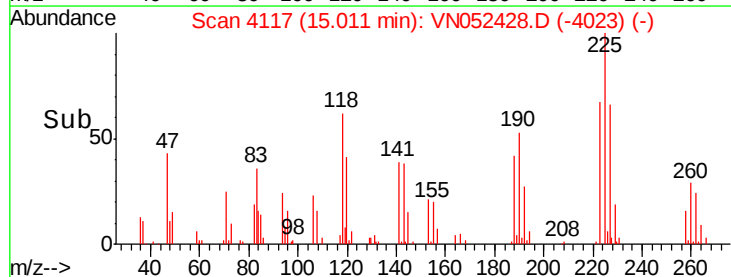
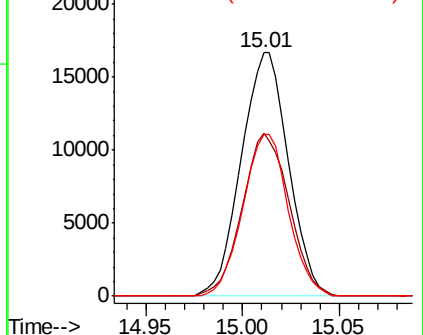


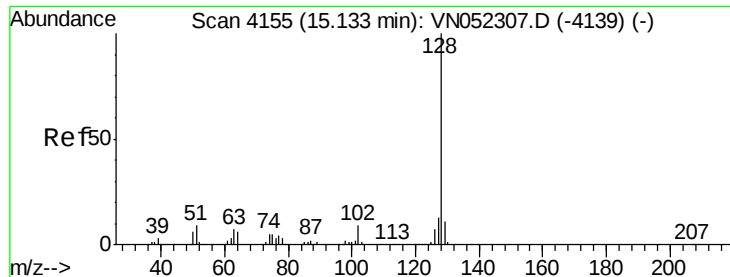
#94
 Hexachlorobutadiene
 Concen: 22.824 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052428.D
 Acq: 21 Nov 2018 10:44

Tgt Ion:225 Resp: 28217
 Ion Ratio Lower Upper
 225 100
 223 66.9 31.9 95.5
 227 63.9 31.6 95.0



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





#95

Naphthalene

Concen: 17.392 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

Instrument :

MSVOA_N

ClientSampleId :

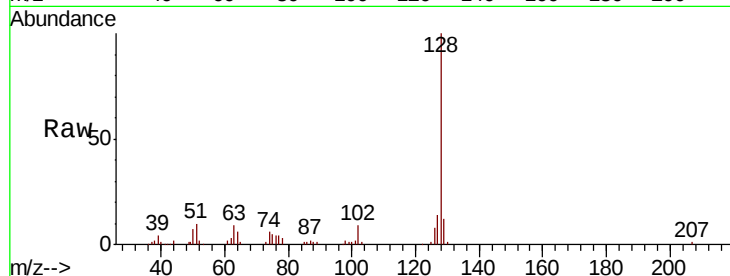
Tot Ion:128 Resp: 92667

Ion Ratio Lower Upper

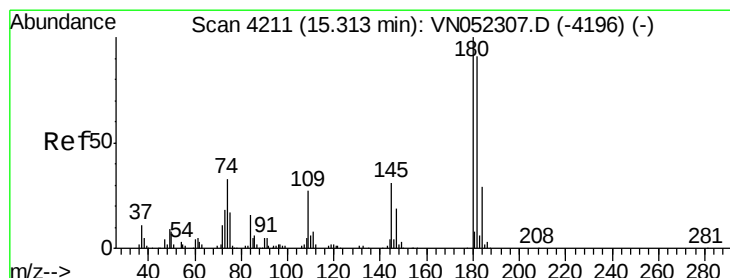
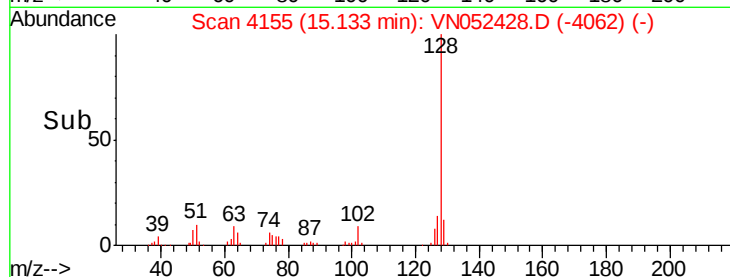
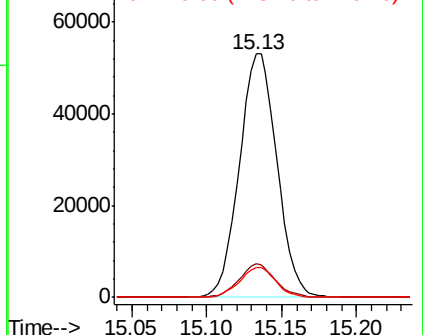
128 100

127 13.1 10.4 15.6

129 11.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.477 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052428.D

Acq: 21 Nov 2018 10:44

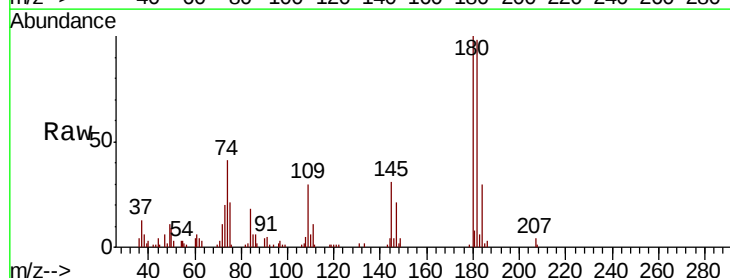
Tgt Ion:180 Resp: 39975

Ion Ratio Lower Upper

180 100

182 98.4 46.5 139.3

145 33.8 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

