

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050481.D
 Acq On : 9 Aug 2018 13:22
 Operator : MD\SY
 Sample : VN0809WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 04:01:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	764814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1123368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	991914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	493218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	476275	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	7.59	113	439772	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	10.09	98	1603271	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
62) 4-Bromofluorobenzene	12.40	95	522765	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	158846	18.71	ug/l	99
3) Chloromethane	2.06	50	195395	18.56	ug/l	99
4) Vinyl Chloride	2.18	62	210318	19.14	ug/l	98
5) Bromomethane	2.56	94	114957	21.67	ug/l	100
6) Chloroethane	2.70	64	130500	19.27	ug/l	97
7) Trichlorofluoromethane	3.01	101	280944	19.80	ug/l	98
8) Diethyl Ether	3.41	74	101312	19.47	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	172570	19.68	ug/l	99
10) Methyl Iodide	3.95	142	75346	19.50	ug/l	97
11) Tert butyl alcohol	4.80	59	68705	83.70	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	158589	19.18	ug/l	99
13) Acrolein	3.61	56	57955	66.03	ug/l	100
14) Allyl chloride	4.33	41	245175	18.46	ug/l	98
15) Acrylonitrile	4.99	53	305061	88.72	ug/l	99
16) Acetone	3.82	43	276195	90.40	ug/l	97
17) Carbon Disulfide	4.05	76	464864	17.29	ug/l	99
18) Methyl Acetate	4.33	43	150299	18.86	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	459154	19.56	ug/l	99
20) Methylene Chloride	4.55	84	184375	18.82	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	170511	19.06	ug/l	99
22) Diisopropyl ether	5.96	45	542305	19.99	ug/l	98
23) Vinyl Acetate	5.90	43	1836265	94.88	ug/l	100
24) 1,1-Dichloroethane	5.85	63	322743	19.39	ug/l	99
25) 2-Butanone	6.84	43	445059	87.89	ug/l	97
26) 2,2-Dichloropropane	6.83	77	262114	19.10	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	199938	20.16	ug/l	99
28) Bromochloromethane	7.20	49	140286	18.31	ug/l	95
29) Tetrahydrofuran	7.22	42	231902	85.56	ug/l	98
30) Chloroform	7.37	83	331970	19.95	ug/l	98
31) Cyclohexane	7.66	56	278158	18.59	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	283471	19.84	ug/l	99
36) 1,1-Dichloropropene	7.79	75	244634	19.82	ug/l	99
37) Ethyl Acetate	6.94	43	161259	18.14	ug/l	98
38) Carbon Tetrachloride	7.78	117	248405	19.29	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	251661	18.68	ug/l	98
40) Benzene	8.04	78	749365	19.75	ug/l	99
41) Methacrylonitrile	7.18	41	72829	15.41	ug/l	94
42) 1,2-Dichloroethane	8.13	62	236319	19.62	ug/l	99
43) Isopropyl Acetate	8.17	43	281373	18.34	ug/l #	86
44) Trichloroethene	8.84	130	201829	19.79	ug/l	99
45) 1,2-Dichloropropane	9.12	63	194612	19.51	ug/l	100
46) Dibromomethane	9.21	93	116936	18.98	ug/l	95
47) Bromodichloromethane	9.40	83	247253	19.38	ug/l	99
48) Methyl methacrylate	9.20	41	139067	18.08	ug/l	97
49) 1,4-Dioxane	9.20	88	39581	333.89	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	994908	90.03	ug/l	99
52) Toluene	10.16	92	459518	20.16	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	244753	19.10	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	285524	19.97	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	174494	19.61	ug/l	99
56) Ethyl methacrylate	10.43	69	212220	17.99	ug/l	98
57) 1,3-Dichloropropane	10.71	76	286446	19.61	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	481397	86.98	ug/l	99
59) 2-Hexanone	10.75	43	657793	85.29	ug/l	98
60) Dibromochloromethane	10.90	129	190335	19.42	ug/l	99
61) 1,2-Dibromoethane	11.01	107	168906	19.26	ug/l	99
64) Tetrachloroethene	10.63	164	190100	20.51	ug/l	99
65) Chlorobenzene	11.44	112	500141	20.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	188862	20.87	ug/l	99
67) Ethyl Benzene	11.51	91	830158	20.65	ug/l	100
68) m/p-Xylenes	11.62	106	645908	42.21	ug/l	100
69) o-Xylene	11.95	106	311252	21.11	ug/l	99
70) Styrene	11.97	104	498630	20.80	ug/l	100
71) Bromoform	12.13	173	127755	19.31	ug/l #	98
73) Isopropylbenzene	12.25	105	813722	21.98	ug/l	99
74) N-amyl acetate	12.07	43	223111	18.59	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	212824	19.92	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	249789	27.98	ug/l #	100
77) Bromobenzene	12.53	156	213874	21.56	ug/l	98
78) n-propylbenzene	12.59	91	902442	21.53	ug/l	100
79) 2-Chlorotoluene	12.68	91	560631	21.66	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	667817	22.22	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47991	18.89	ug/l	97
82) 4-Chlorotoluene	12.77	91	562592	21.80	ug/l	99
83) tert-Butylbenzene	12.99	119	568049	21.67	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	678436	22.28	ug/l	99
85) sec-Butylbenzene	13.17	105	733813	21.00	ug/l	100
86) p-Isopropyltoluene	13.29	119	631209	21.08	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	362746	20.53	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	354950	20.12	ug/l	98
89) n-Butylbenzene	13.62	91	483953	18.98	ug/l	99
90) Hexachloroethane	13.88	117	105680	19.84	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	356458	20.13	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31526	17.38	ug/l	98

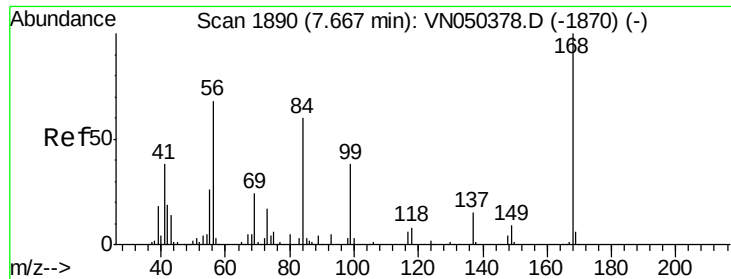
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	165423	18.34	ug/l	99
94) Hexachlorobutadiene	15.01	225	105367	20.41	ug/l	99
95) Naphthalene	15.14	128	360285	17.61	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	160623	17.61	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

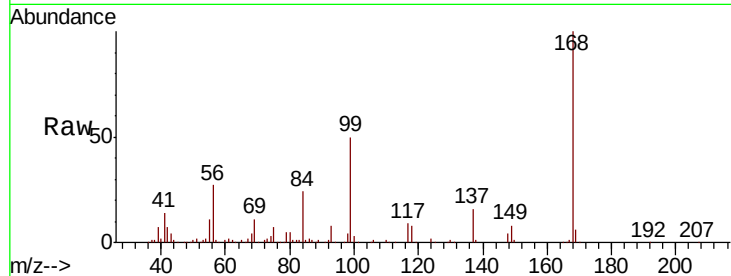
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 764814

Ion Ratio Lower Upper

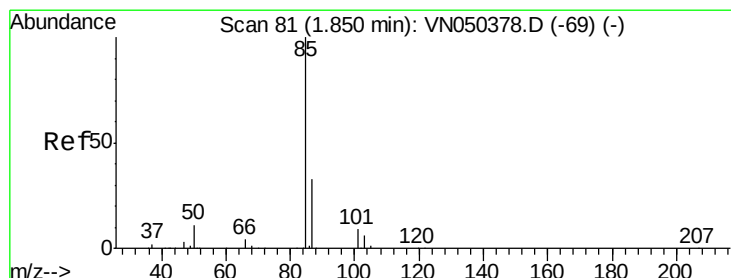
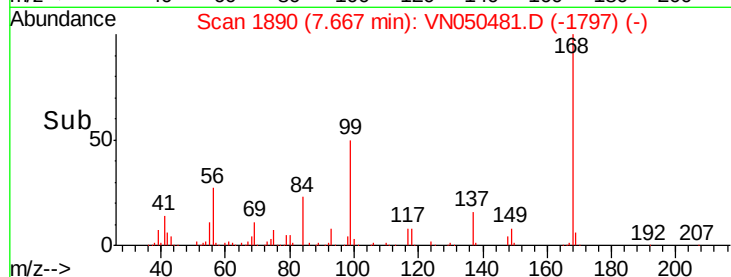
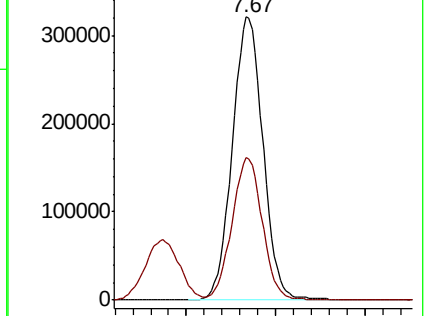
168 100

99 50.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.71 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050481.D

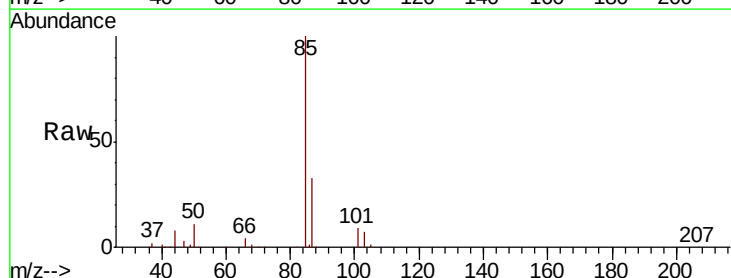
Acq: 9 Aug 2018 13:22

Tgt Ion: 85 Resp: 158846

Ion Ratio Lower Upper

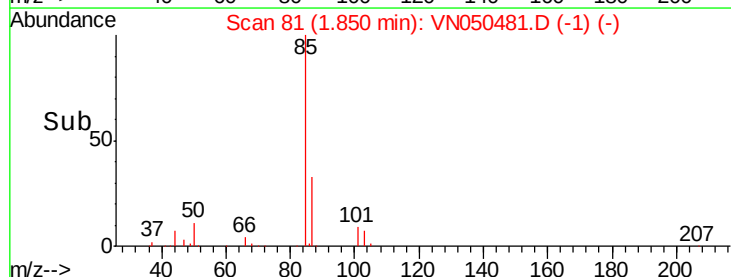
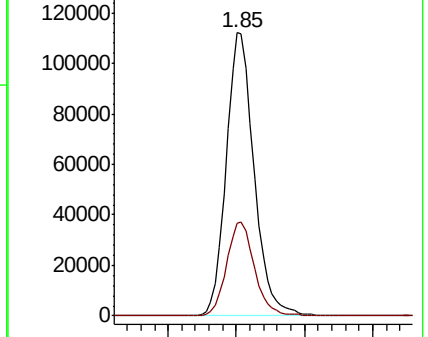
85 100

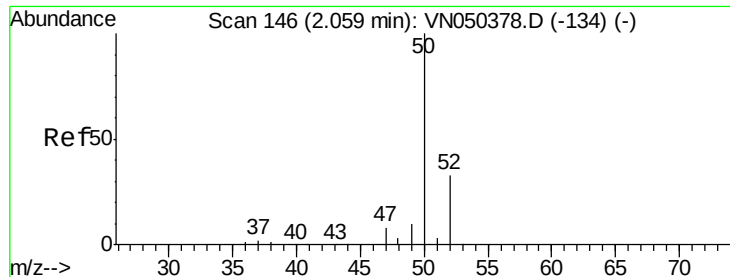
87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.56 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

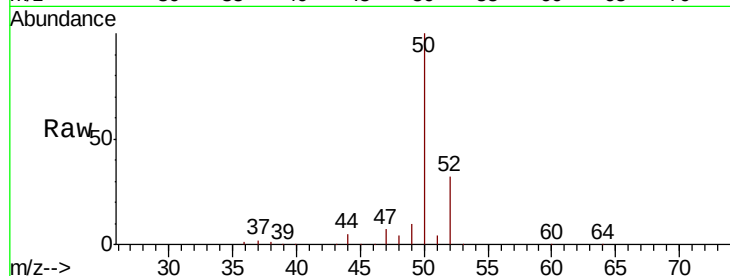
ClientSampled :

Tot Ion: 50 Resp: 195395

Ion Ratio Lower Upper

50 100

52 32.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

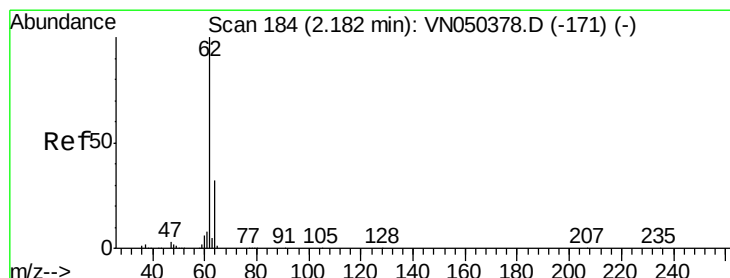
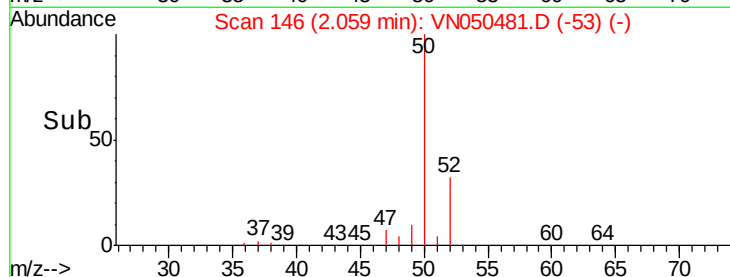
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 19.14 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050481.D

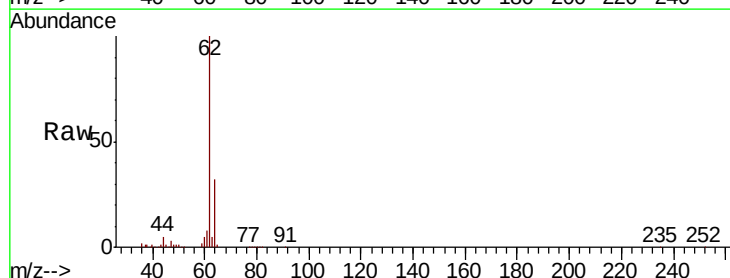
Acq: 9 Aug 2018 13:22

Tgt Ion: 62 Resp: 210318

Ion Ratio Lower Upper

62 100

64 32.1 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

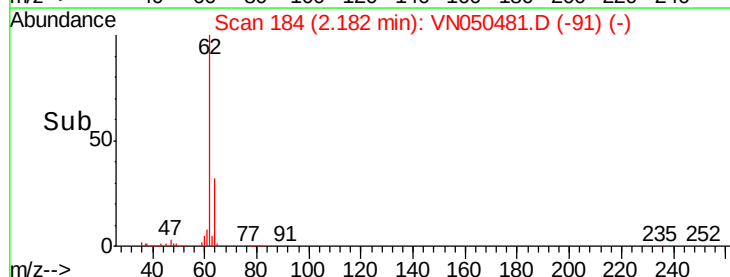
150000

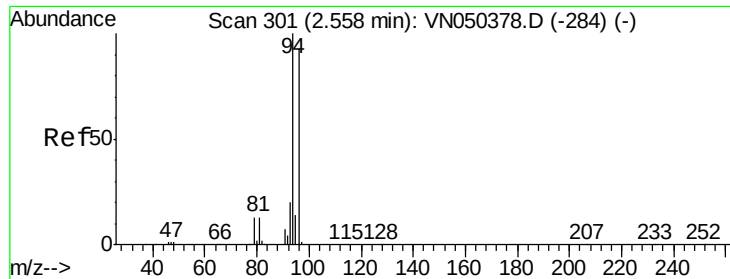
100000

50000

0

Time-->





#5

Bromomethane

Concen: 21.67 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

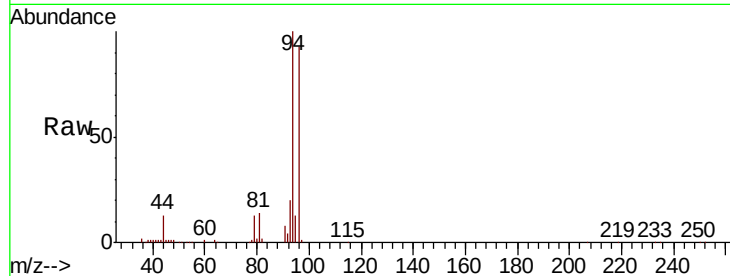
ClientSampleId :

Tot Ion: 94 Resp: 114957

Ion Ratio Lower Upper

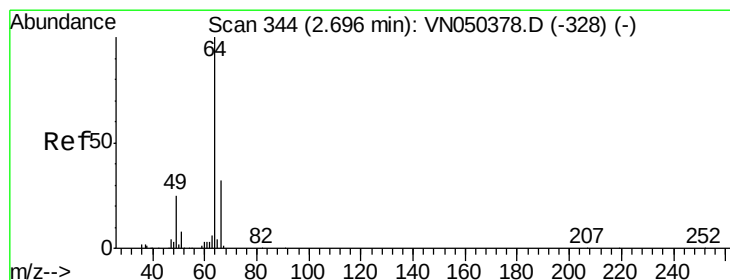
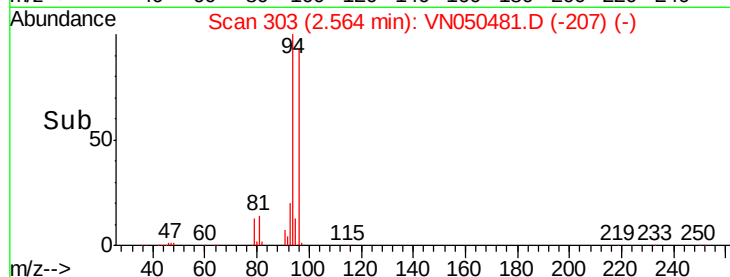
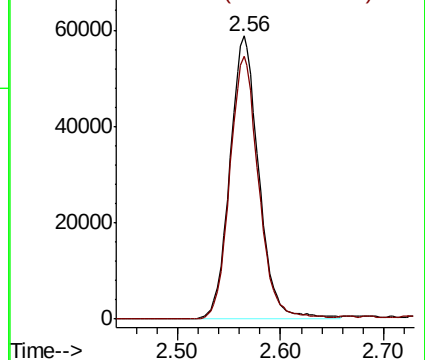
94 100

96 92.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.27 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VN050481.D

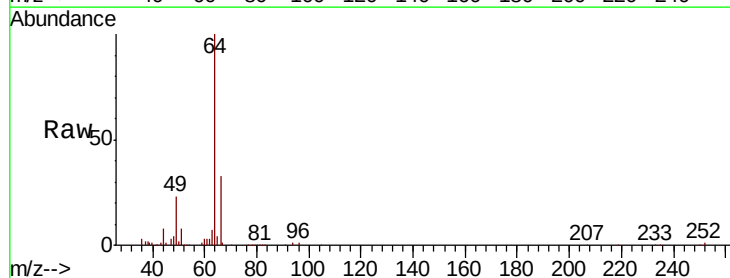
Acq: 9 Aug 2018 13:22

Tgt Ion: 64 Resp: 130500

Ion Ratio Lower Upper

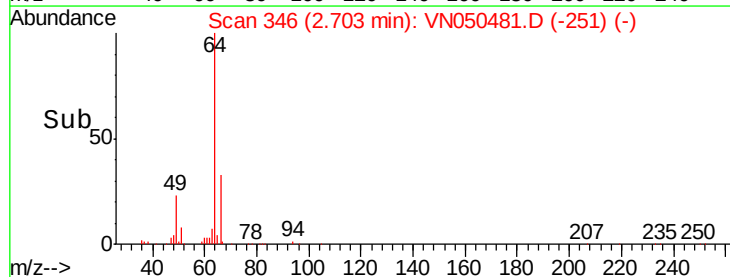
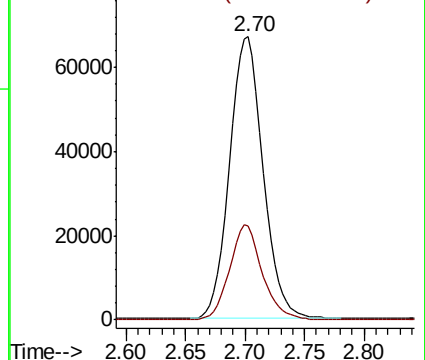
64 100

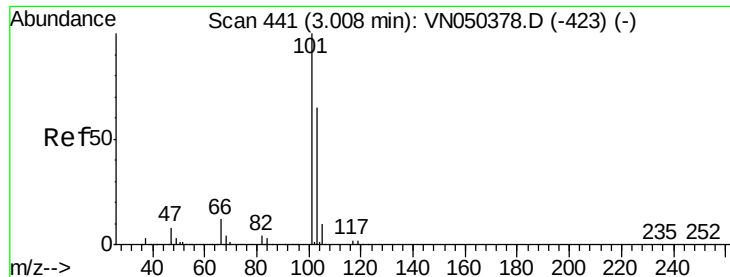
66 33.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.80 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

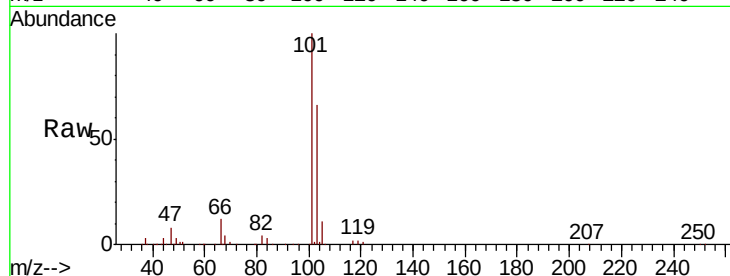
ClientSampled :

Tot Ion:101 Resp: 280944

Ion Ratio Lower Upper

101 100

103 66.3 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

150000

100000

50000

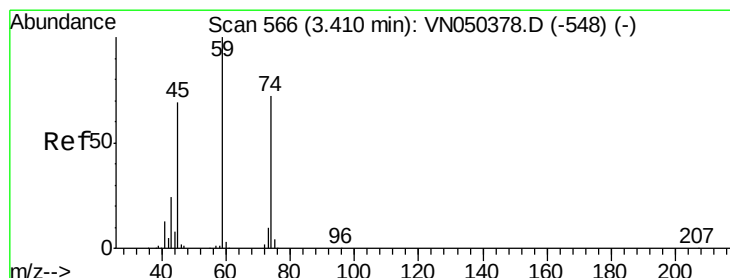
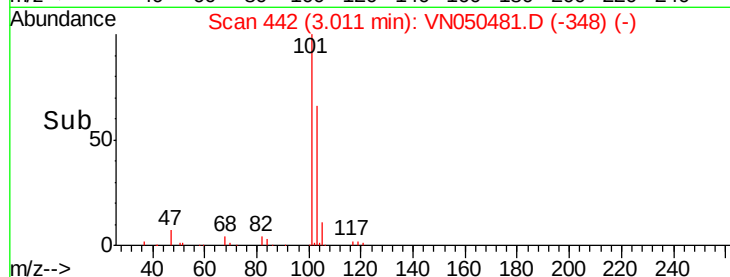
0

Time-->

2.90

3.00

3.10



#8

Diethyl Ether

Concen: 19.47 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050481.D

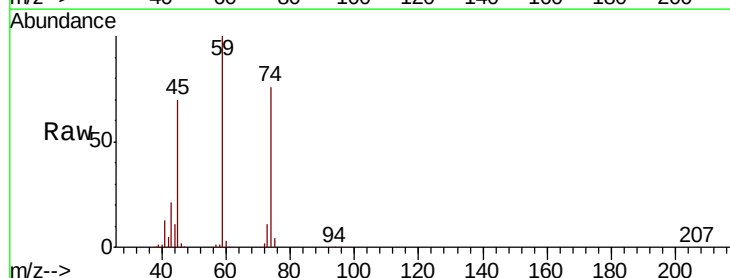
Acq: 9 Aug 2018 13:22

Tgt Ion: 74 Resp: 101312

Ion Ratio Lower Upper

74 100

45 93.4 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

50000

40000

30000

20000

10000

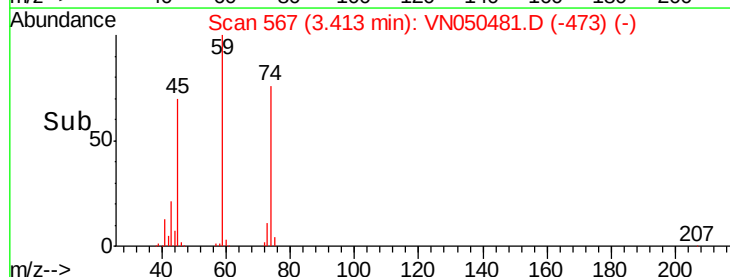
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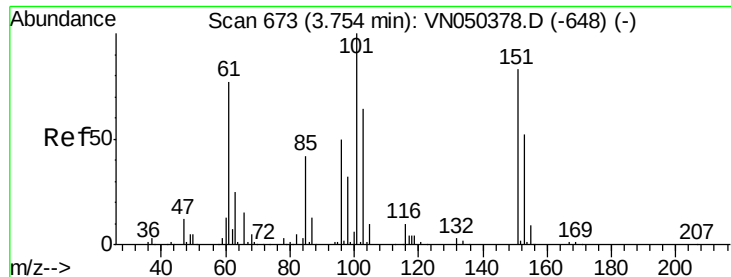
Time-->

3.30

3.40

3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.68 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

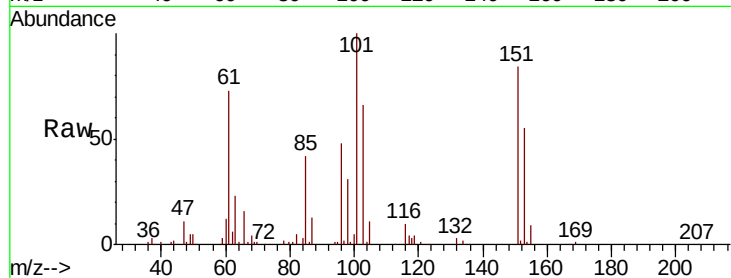
Tot Ion:101 Resp: 172570

Ion Ratio Lower Upper

101 100

85 42.1 34.2 51.2

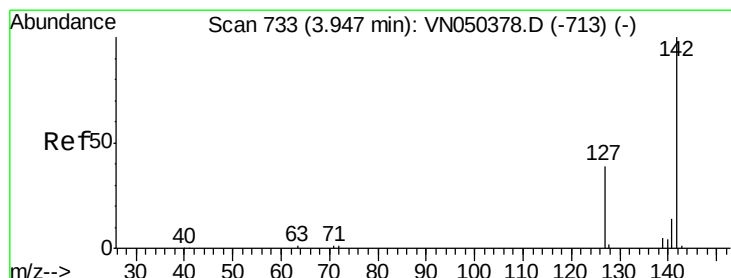
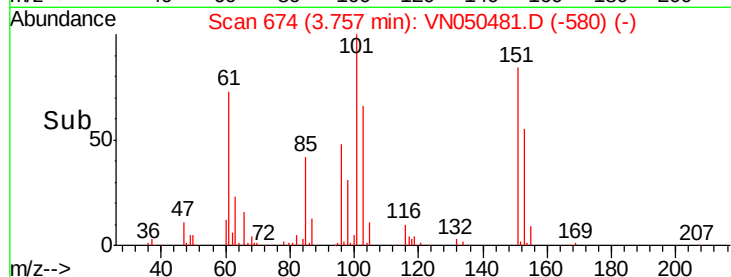
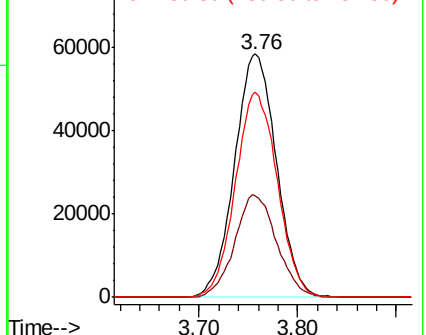
151 84.4 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.50 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

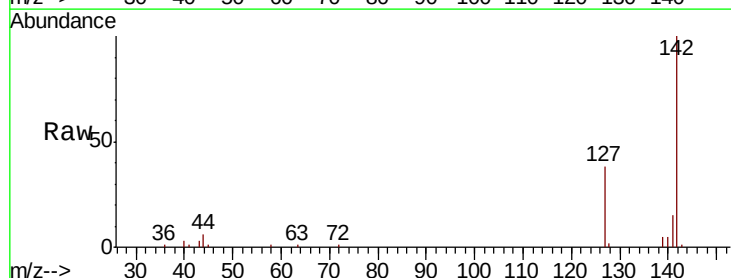
Tgt Ion:142 Resp: 75346

Ion Ratio Lower Upper

142 100

127 39.0 33.4 50.2

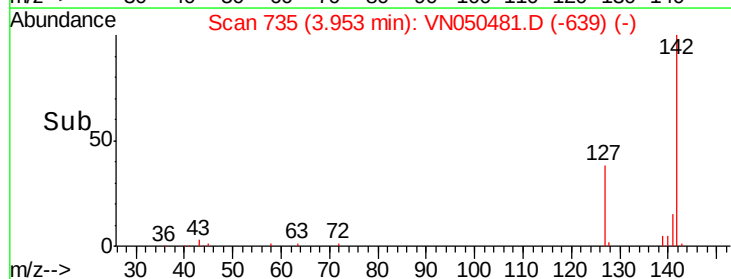
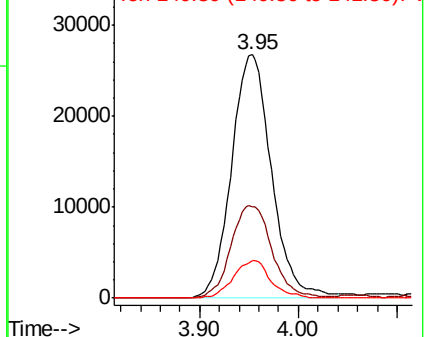
141 14.5 11.6 17.4

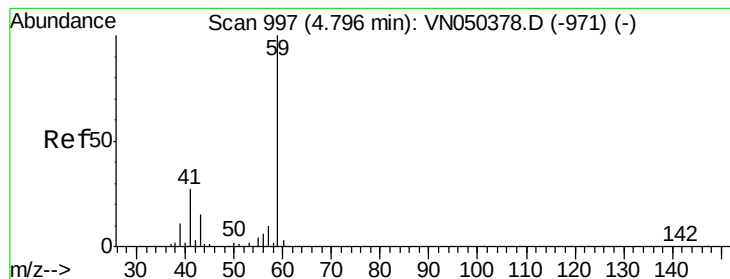


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 83.70 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.01 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

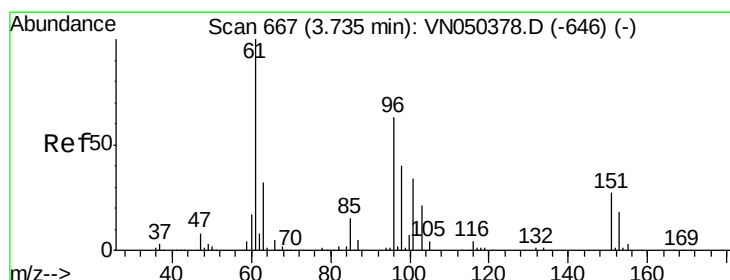
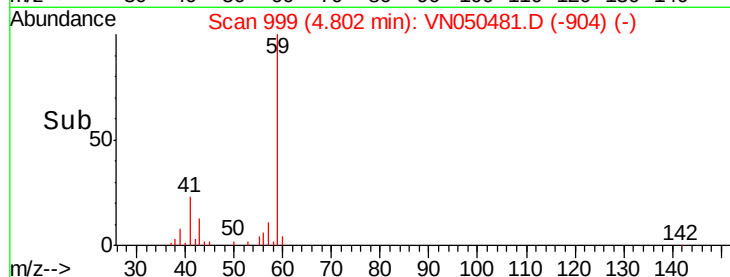
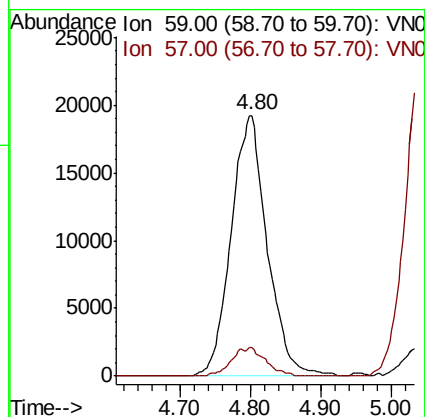
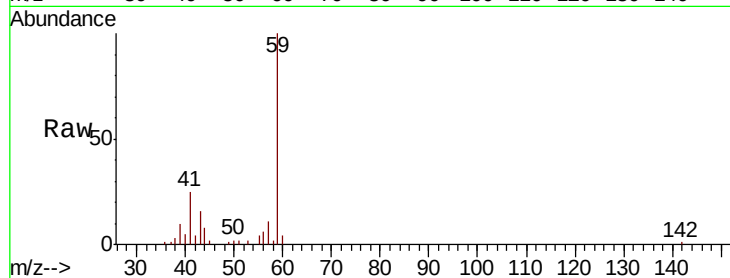
ClientSampleId :

Tot Ion: 59 Resp: 68705

Ion Ratio Lower Upper

59 100

57 4.5 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 19.18 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

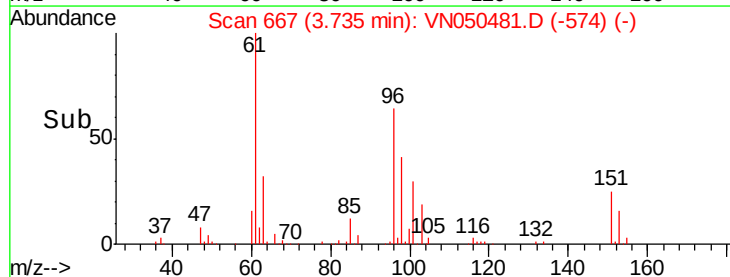
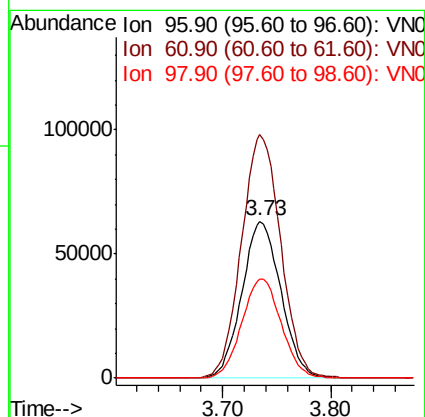
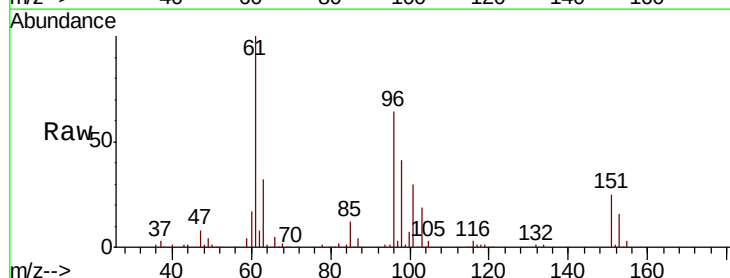
Tgt Ion: 96 Resp: 158589

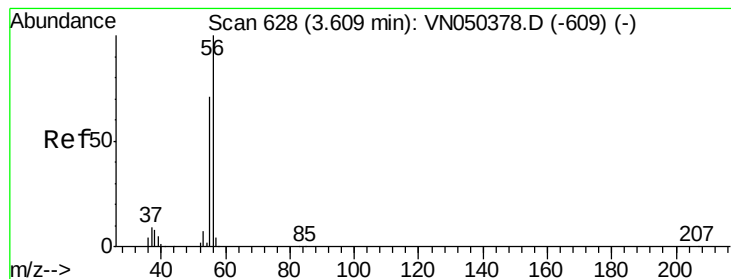
Ion Ratio Lower Upper

96 100

61 155.5 124.4 186.6

98 63.4 48.3 72.5





#13

Acrolein

Concen: 66.03 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

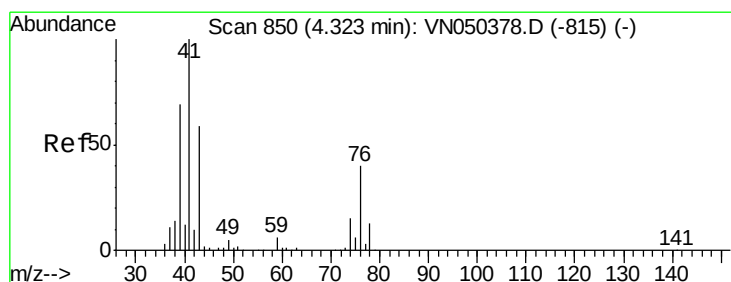
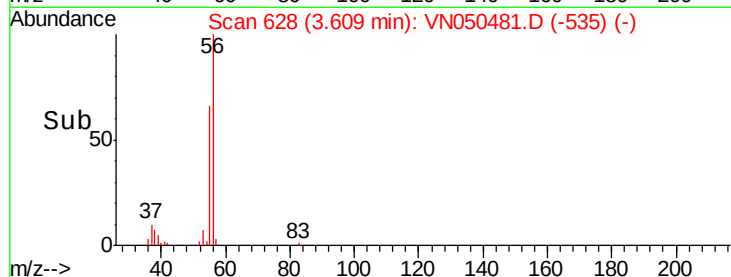
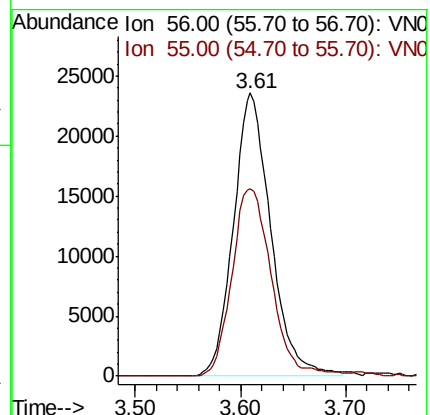
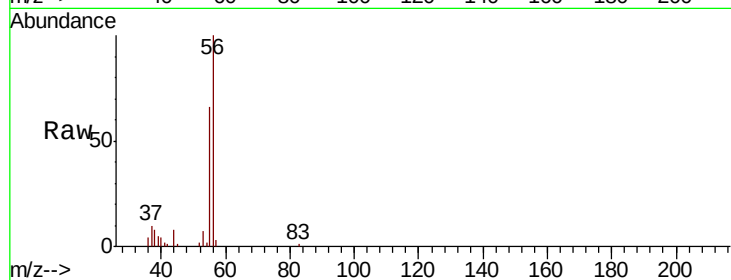
ClientSampled :

Tot Ion: 56 Resp: 57955

Ion Ratio Lower Upper

56 100

55 69.9 55.8 83.6



#14

Allyl chloride

Concen: 18.46 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

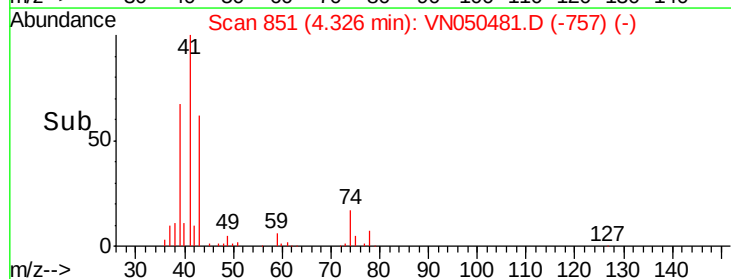
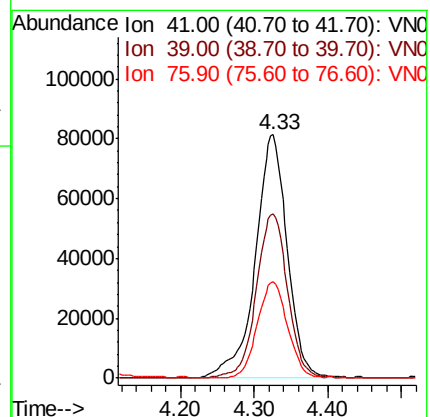
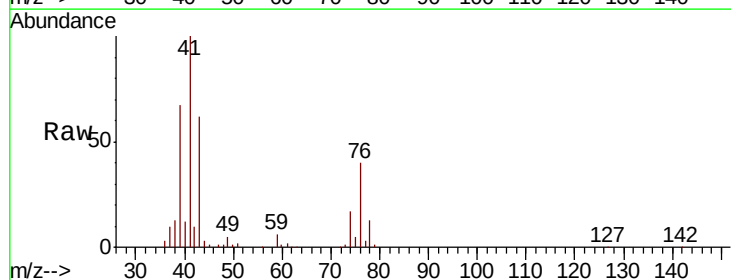
Tgt Ion: 41 Resp: 245175

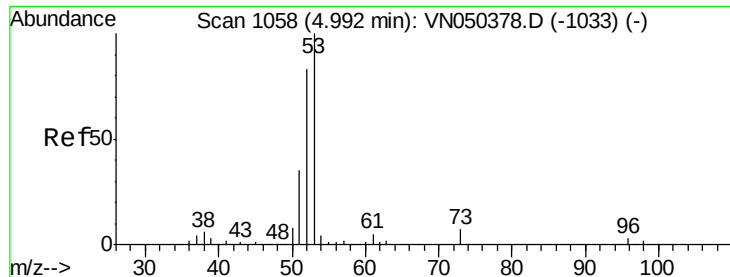
Ion Ratio Lower Upper

41 100

39 66.1 54.2 81.4

76 36.7 29.0 43.6





#15

Acrylonitrile

Concen: 88.72 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :

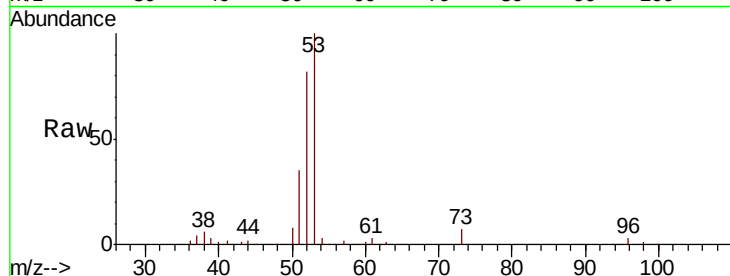
Tot Ion: 53 Resp: 305061

Ion Ratio Lower Upper

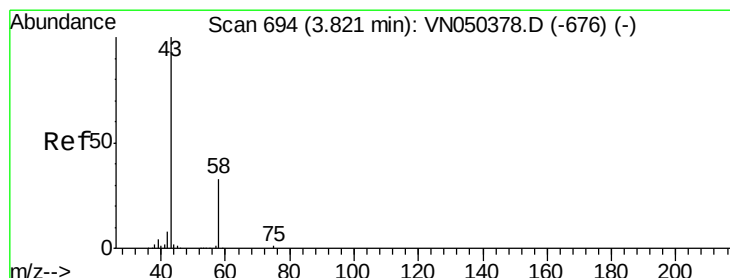
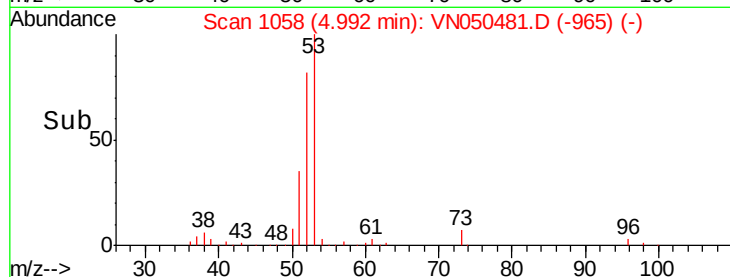
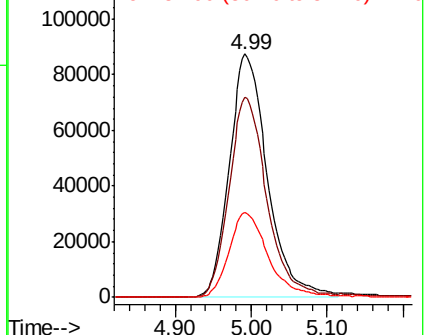
53 100

52 81.4 66.2 99.2

51 36.0 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 90.40 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050481.D

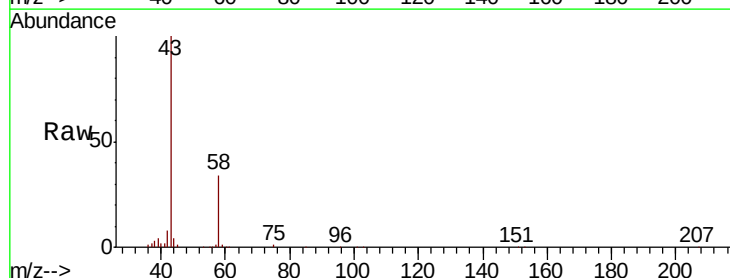
Acq: 9 Aug 2018 13:22

Tgt Ion: 43 Resp: 276195

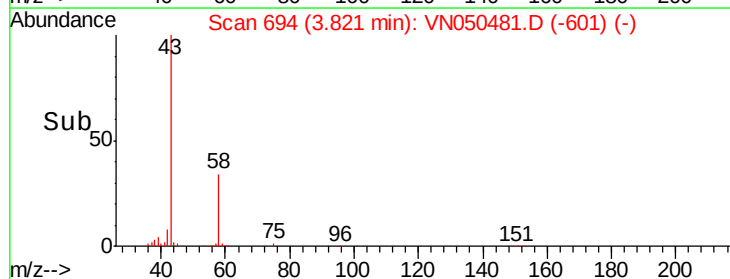
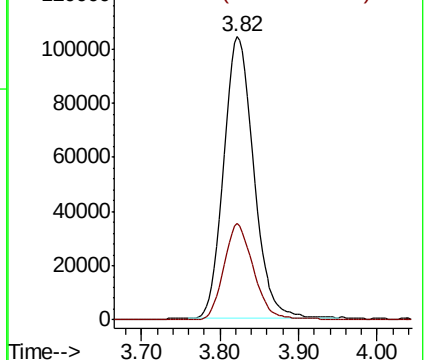
Ion Ratio Lower Upper

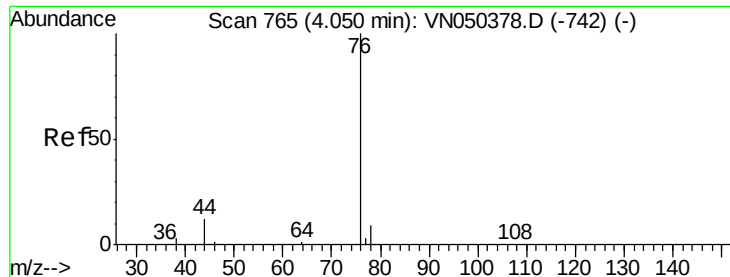
43 100

58 34.0 25.8 38.8



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

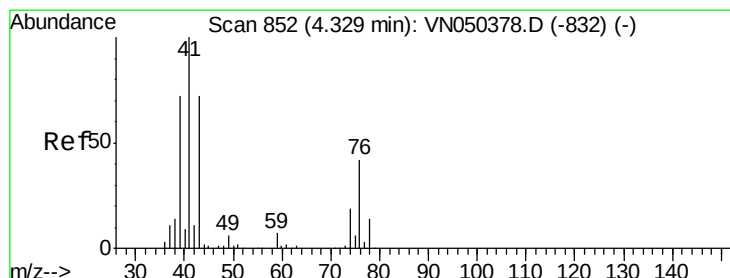
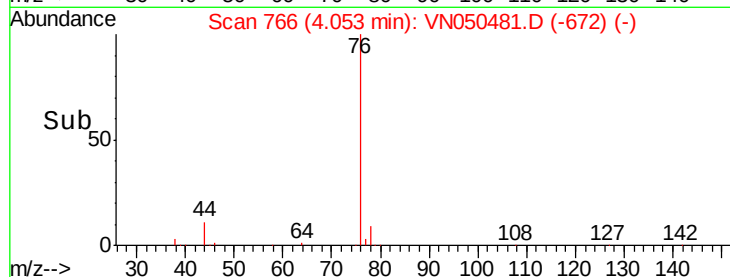
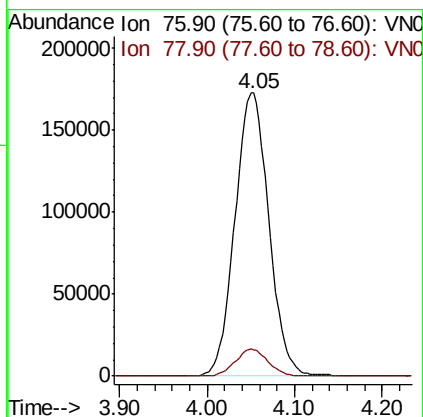
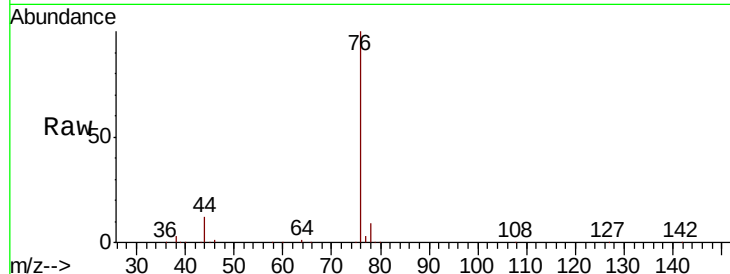




#17
Carbon Disulfide
Concen: 17.29 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

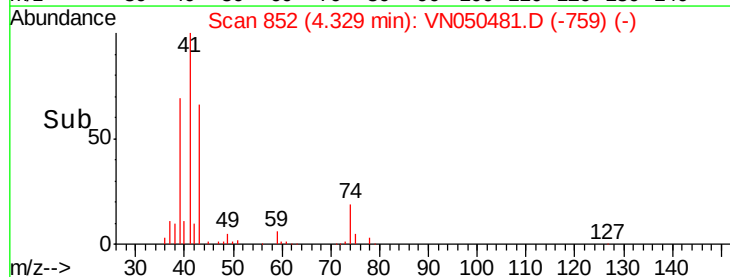
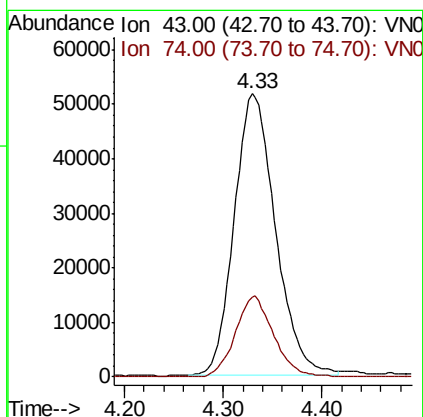
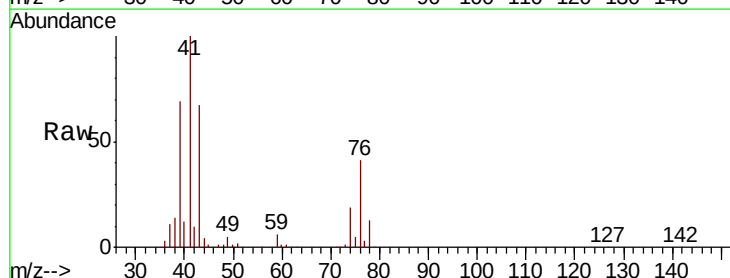
Instrument :
MSVOA_N
ClientSampled :

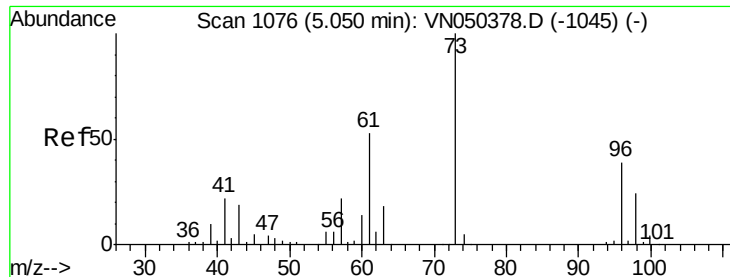
Tot Ion: 76 Resp: 464864
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 18.86 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion: 43 Resp: 150299
Ion Ratio Lower Upper
43 100
74 26.6 19.2 28.8

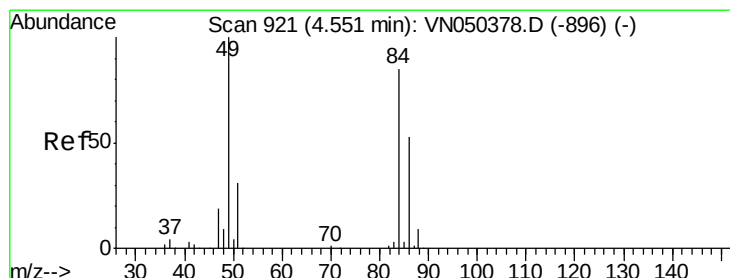
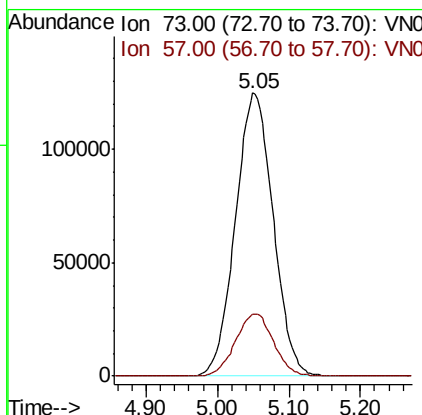
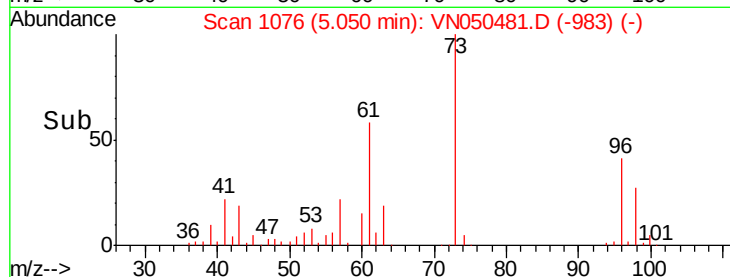
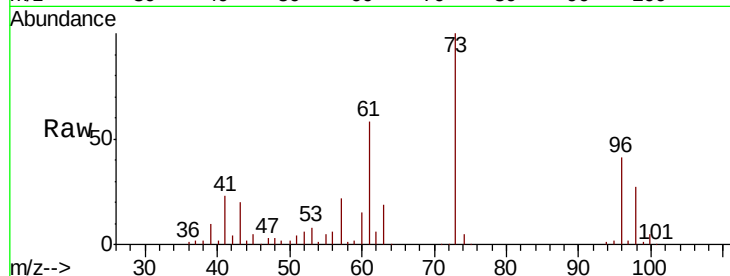




#19
Methvl tert-butvl Ether
Concen: 19.56 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

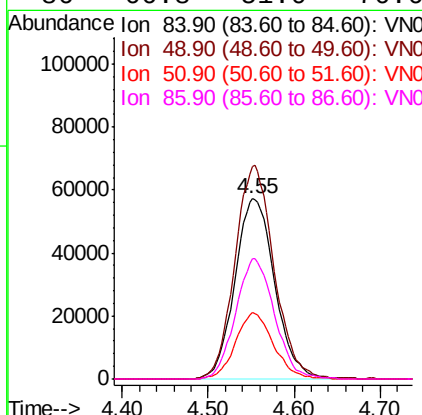
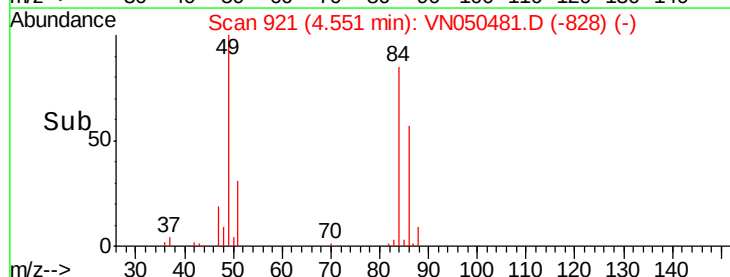
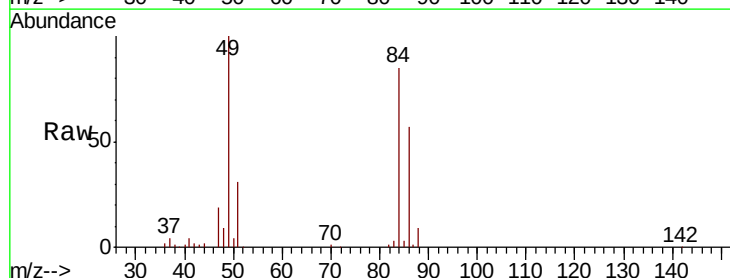
Instrument :
MSVOA_N
ClientSampled :

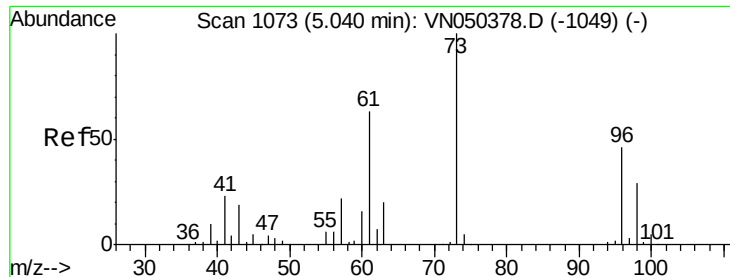
Tot Ion: 73 Resp: 459154
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0



#20
Methylene Chloride
Concen: 18.82 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion: 84 Resp: 184375
Ion Ratio Lower Upper
84 100
49 117.5 94.8 142.2
51 36.6 28.3 42.5
86 66.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.06 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :

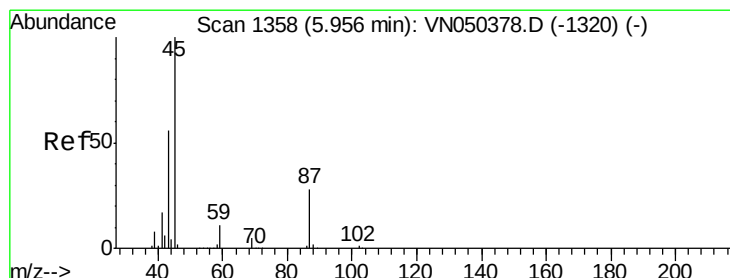
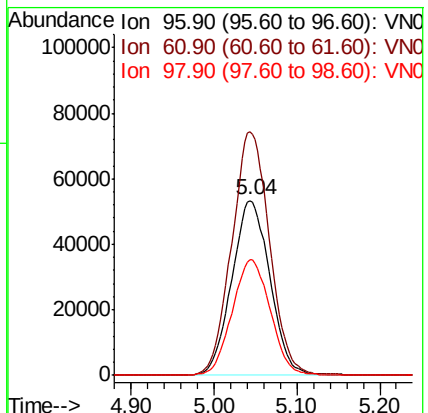
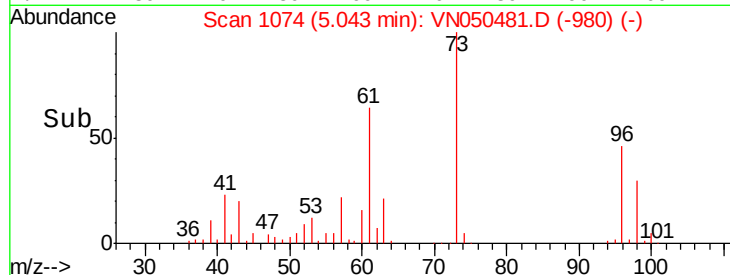
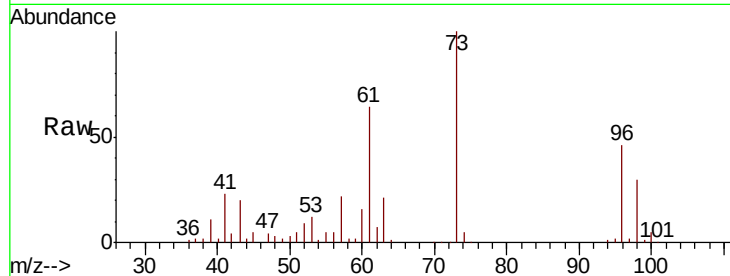
Tot Ion: 96 Resp: 170511

Ion Ratio Lower Upper

96 100

61 139.1 110.7 166.1

98 65.9 51.6 77.4



#22

Diisopropyl ether

Concen: 19.99 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Tgt Ion: 45 Resp: 542305

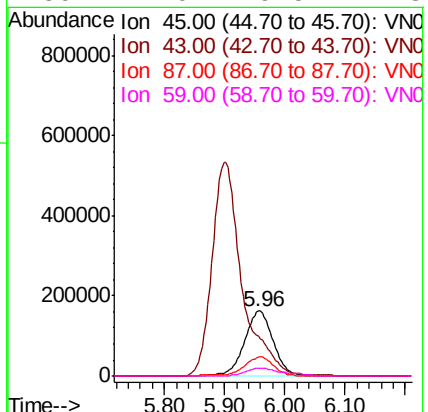
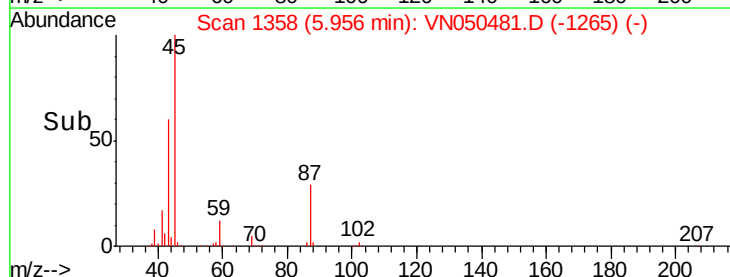
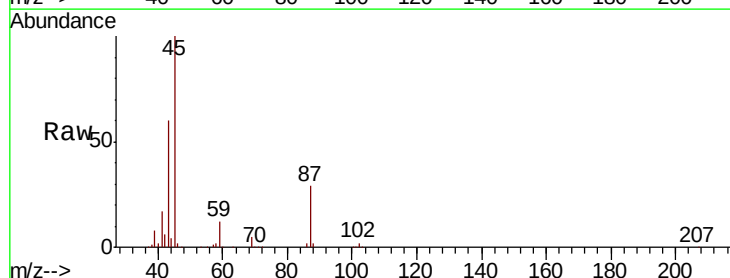
Ion Ratio Lower Upper

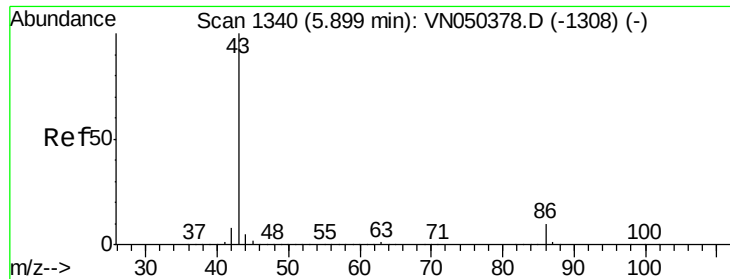
45 100

43 59.4 45.7 68.5

87 29.4 22.7 34.1

59 12.0 9.5 14.3

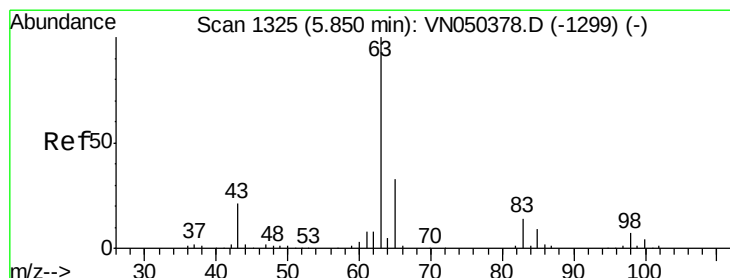
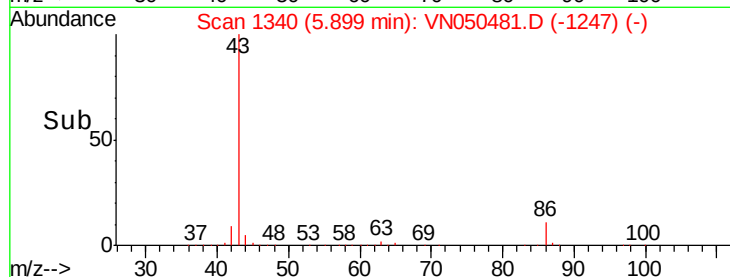
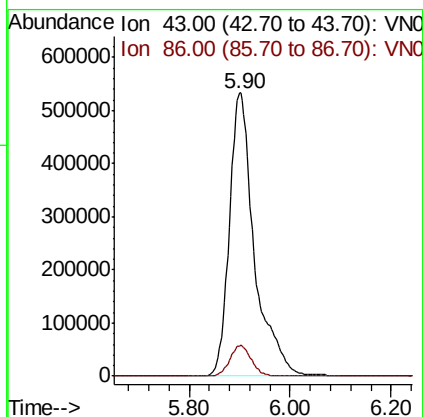
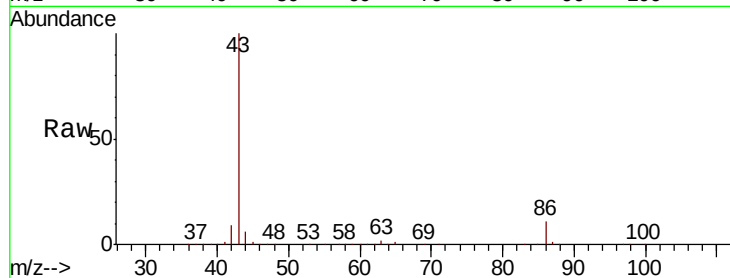




#23
 Vinyl Acetate
 Concen: 94.88 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

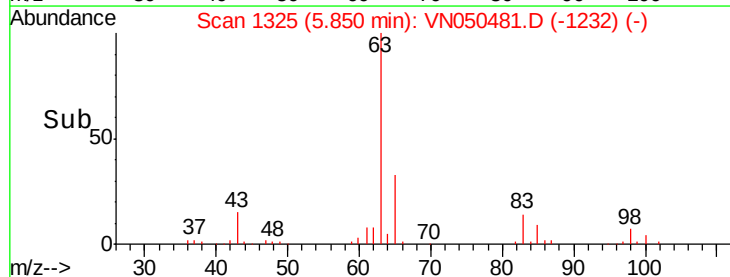
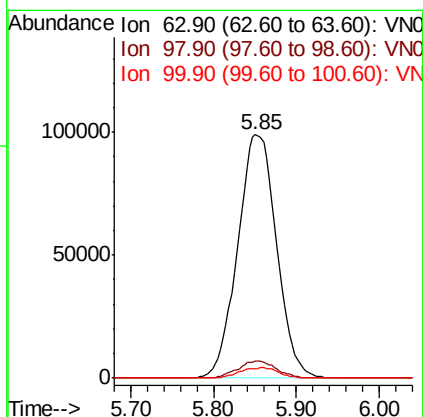
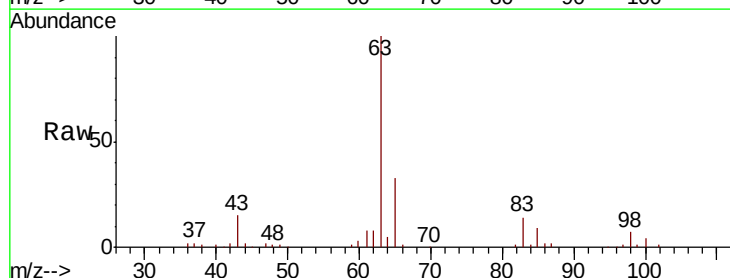
Instrument :
 MSVOA_N
 ClientSampled :

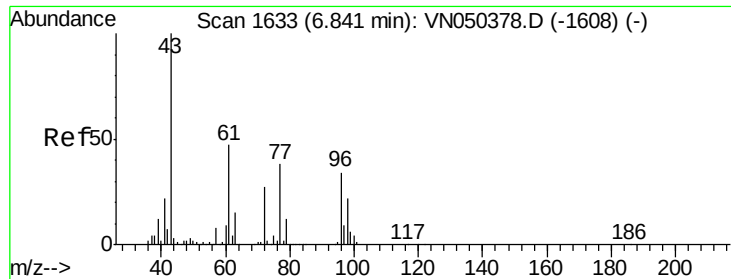
Tot Ion: 43 Resp: 1836265
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 19.39 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion: 63 Resp: 322743
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.0 2.1 6.3





#25

2-Butanone

Concen: 87.89 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

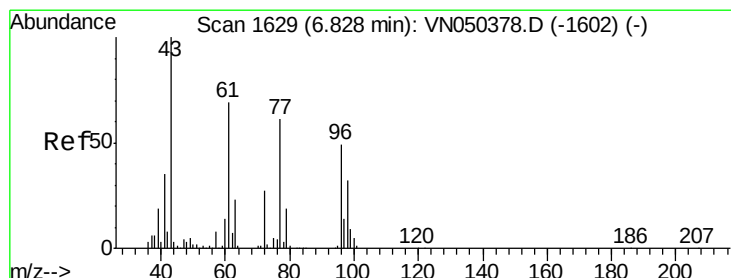
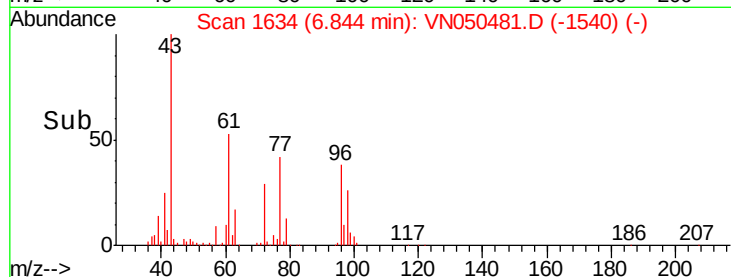
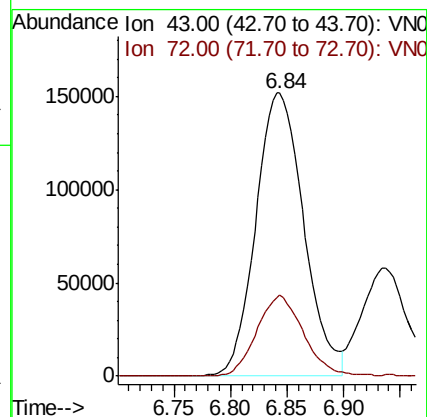
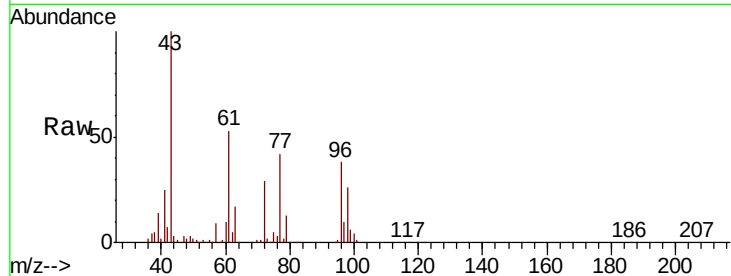
ClientSampled :

Tot Ion: 43 Resp: 445059

Ion Ratio Lower Upper

43 100

72 28.7 21.5 32.3



#26

2,2-Dichloropropane

Concen: 19.10 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050481.D

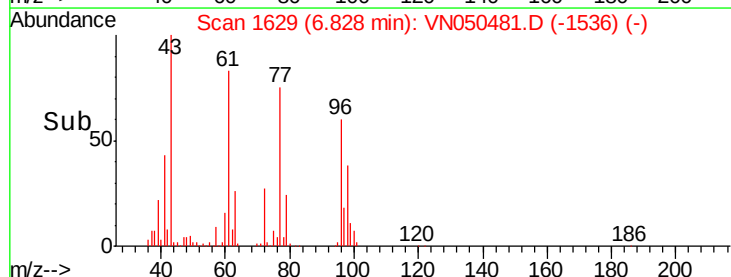
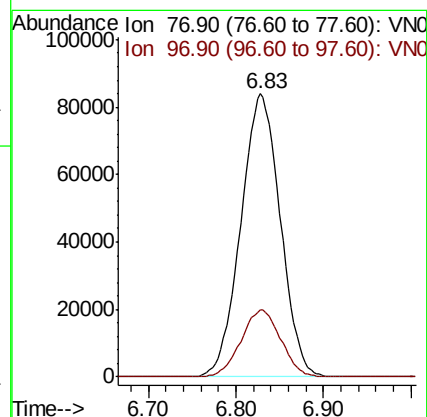
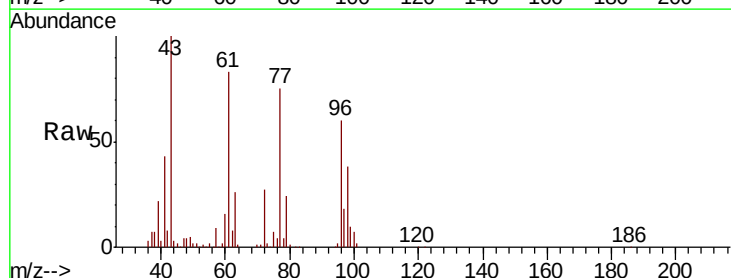
Acq: 9 Aug 2018 13:22

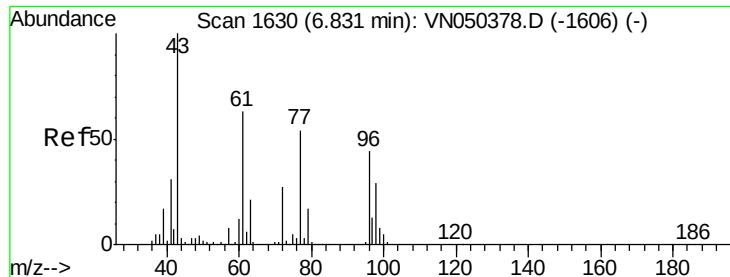
Tgt Ion: 77 Resp: 262114

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.16 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :

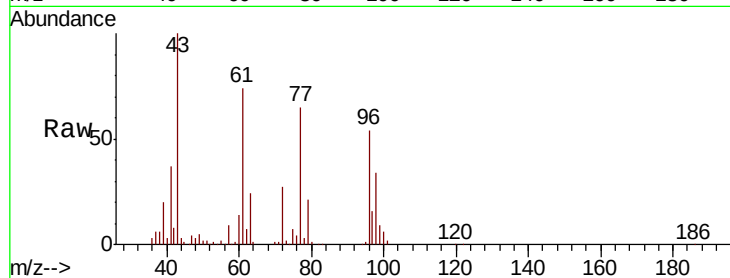
Tot Ion: 96 Resp: 199938

Ion Ratio Lower Upper

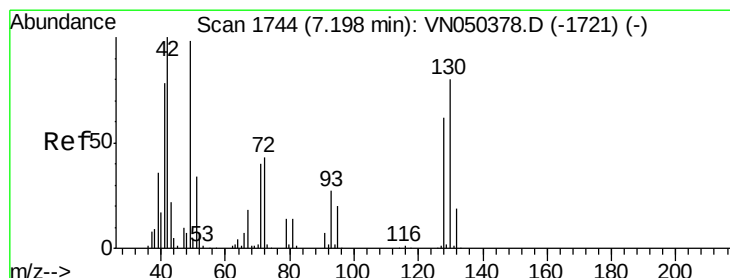
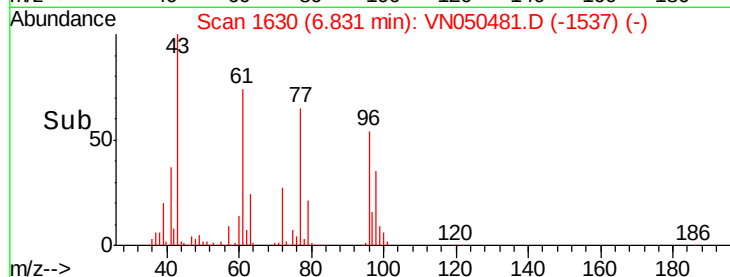
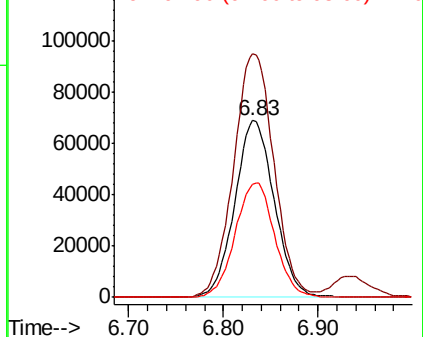
96 100

61 140.7 0.0 285.0

98 64.7 0.0 129.2



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: 18.31 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

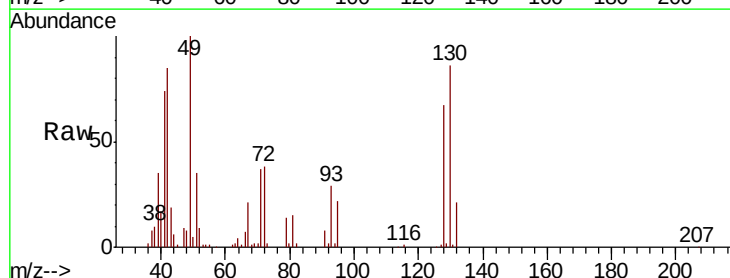
Tgt Ion: 49 Resp: 140286

Ion Ratio Lower Upper

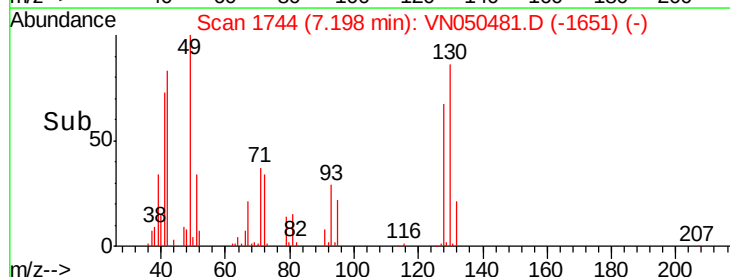
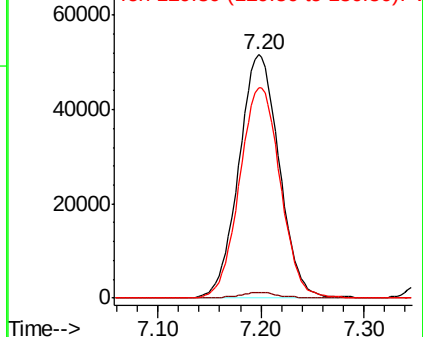
49 100

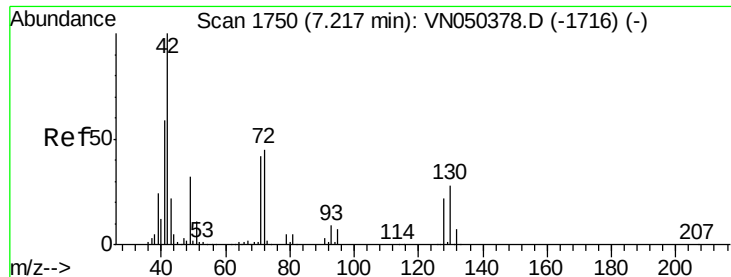
129 2.2 0.0 4.0

130 87.5 66.3 99.5



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

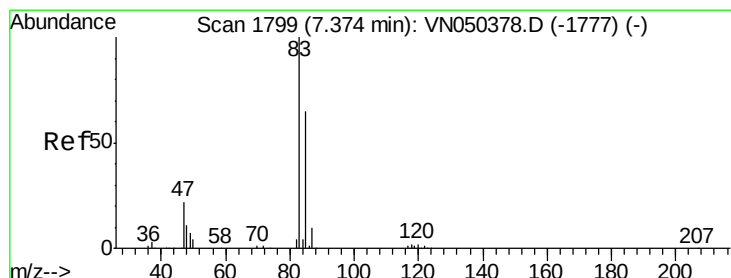
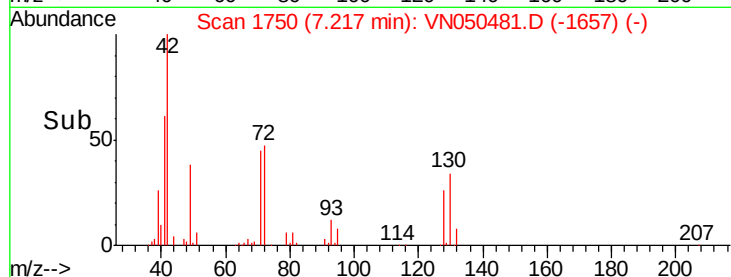
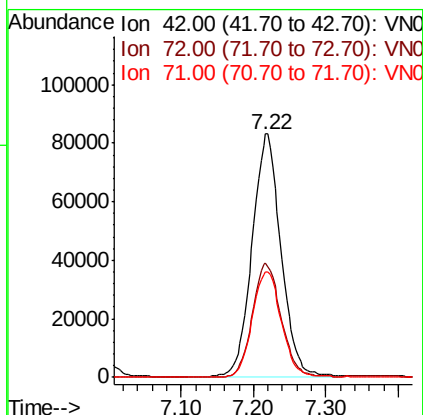
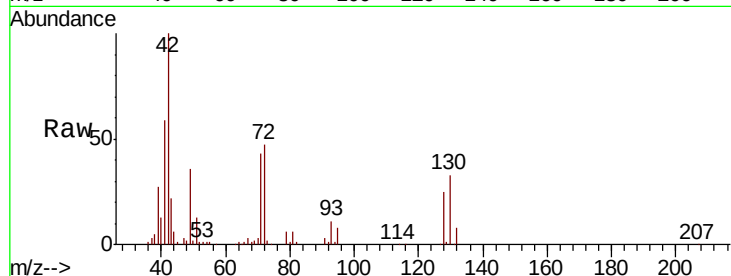




#29
Tetrahydrofuran
Concen: 85.56 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

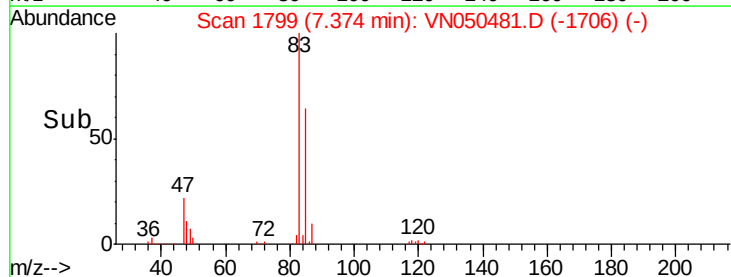
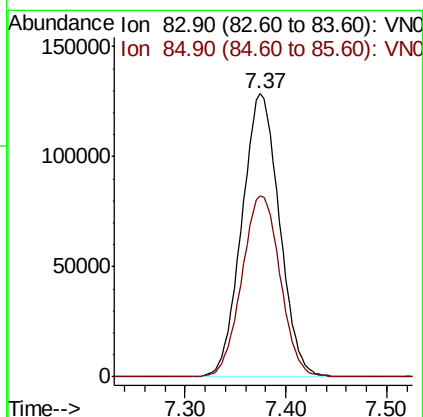
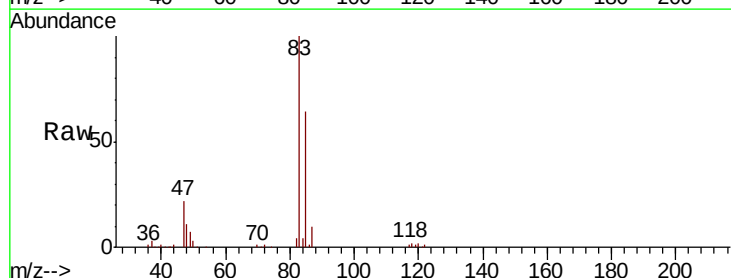
Instrument :
MSVOA_N
ClientSampled :

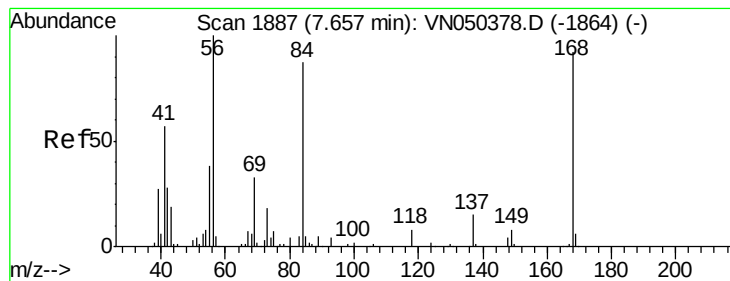
Tot Ion: 42 Resp: 231902
Ion Ratio Lower Upper
42 100
72 46.3 35.9 53.9
71 43.7 33.7 50.5



#30
Chloroform
Concen: 19.95 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion: 83 Resp: 331970
Ion Ratio Lower Upper
83 100
85 64.0 52.5 78.7





#31

Cyclohexane

Concen: 18.59 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :

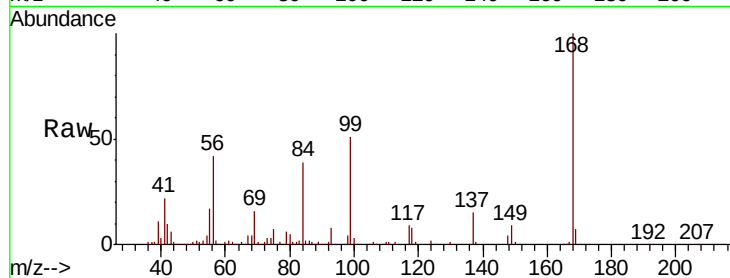
Tot Ion: 56 Resp: 278158

Ion Ratio Lower Upper

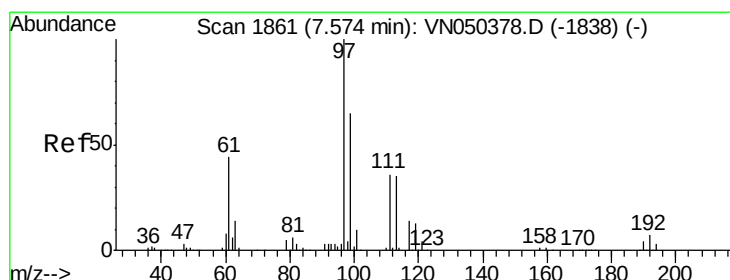
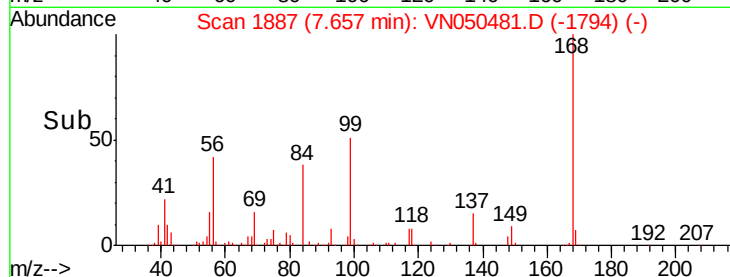
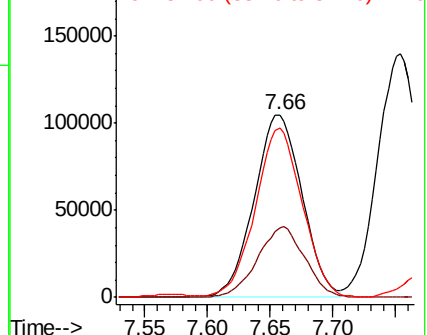
56 100

69 38.3 26.2 39.4

84 92.0 67.4 101.0



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: 19.84 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

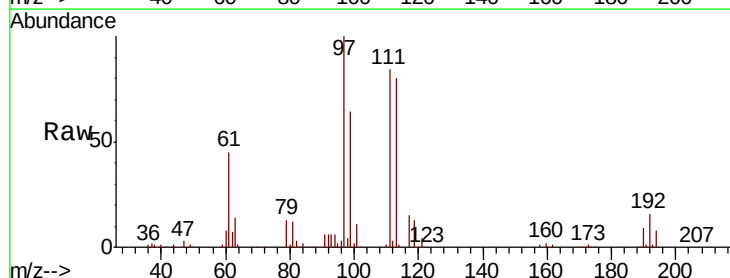
Tgt Ion: 97 Resp: 283471

Ion Ratio Lower Upper

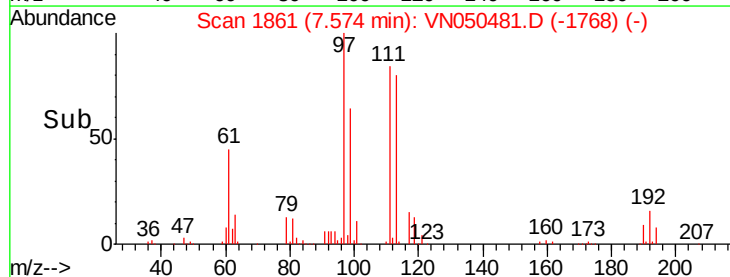
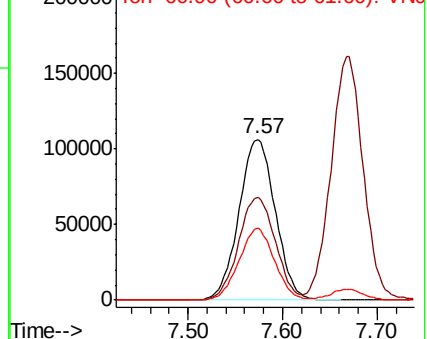
97 100

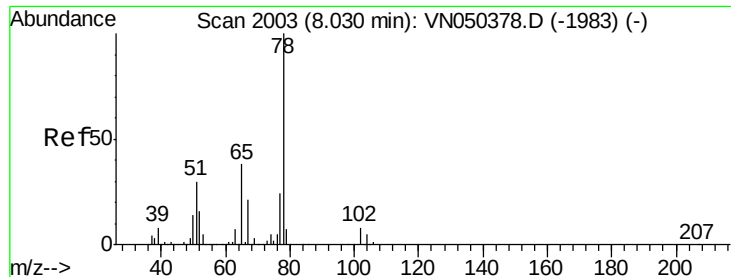
99 65.0 51.4 77.0

61 43.5 35.4 53.0



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

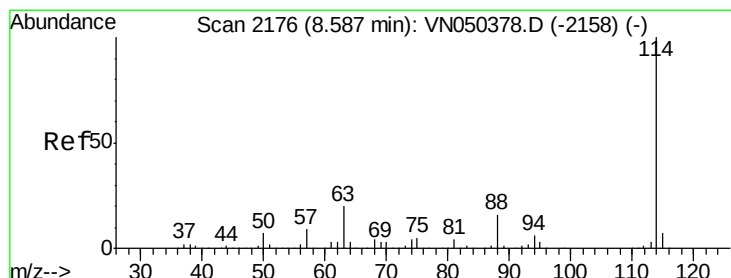
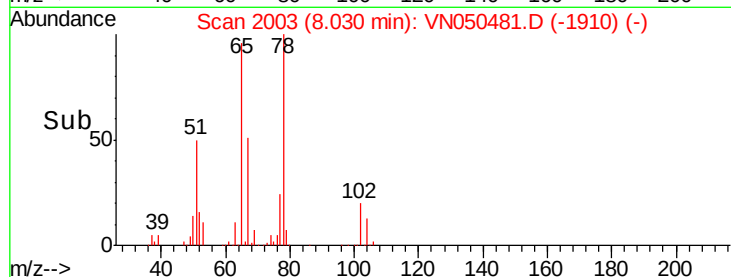
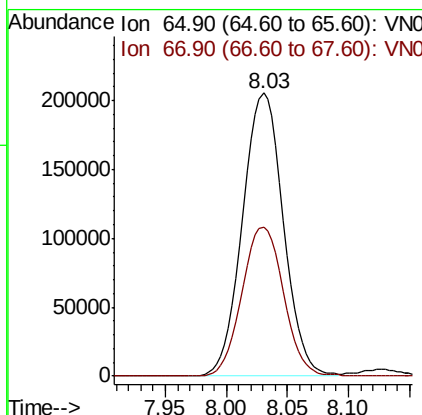
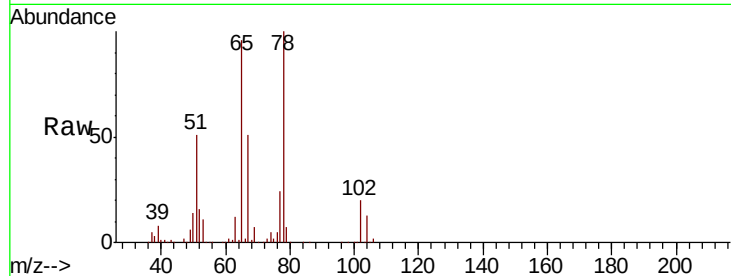




#33
 1,2-Dichloroethane-d4
 Concen: 46.61 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

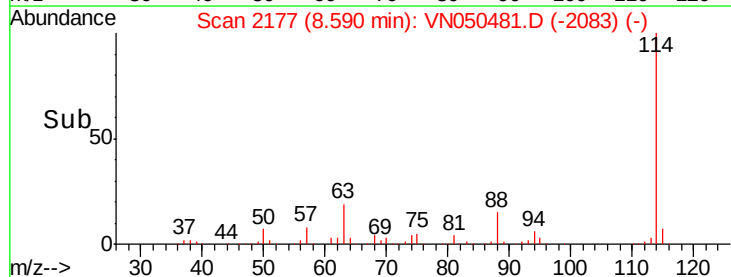
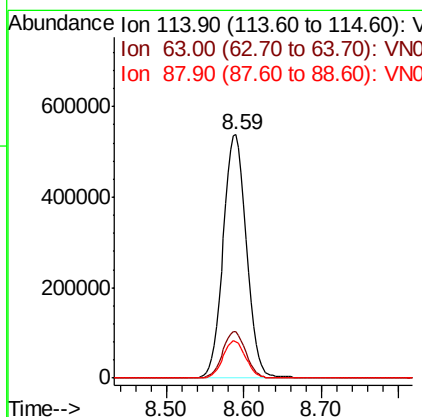
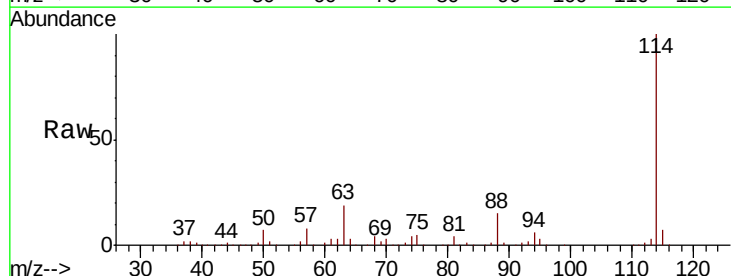
Instrument :
 MSVOA_N
 ClientSampled :

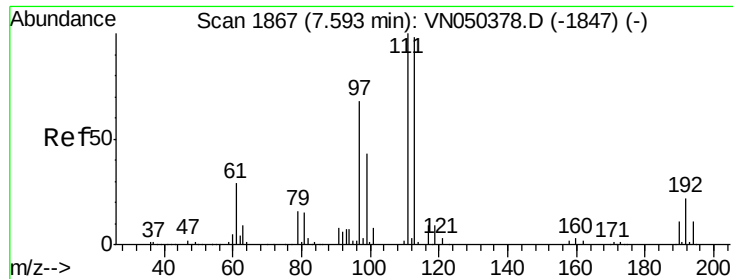
Tot Ion: 65 Resp: 476275
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion: 114 Resp: 1123368
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 15.1 0.0 31.2

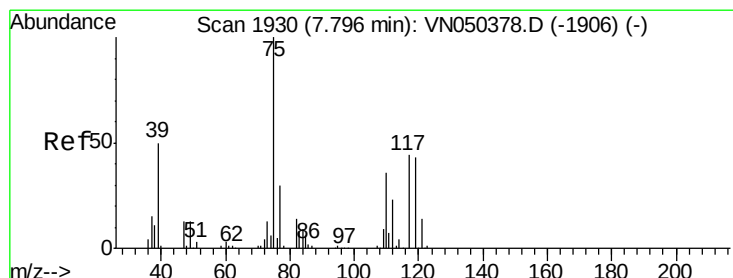
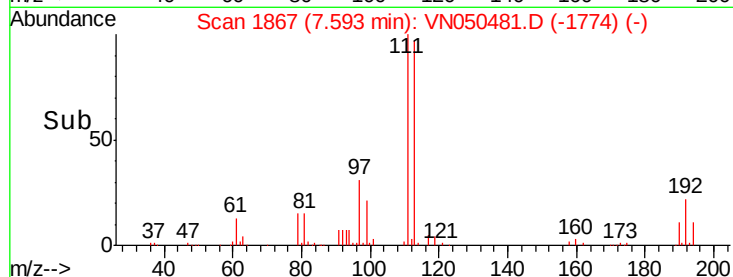
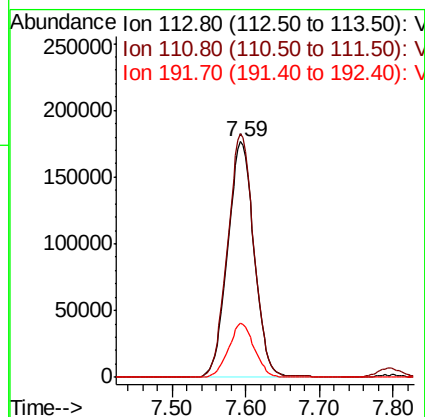
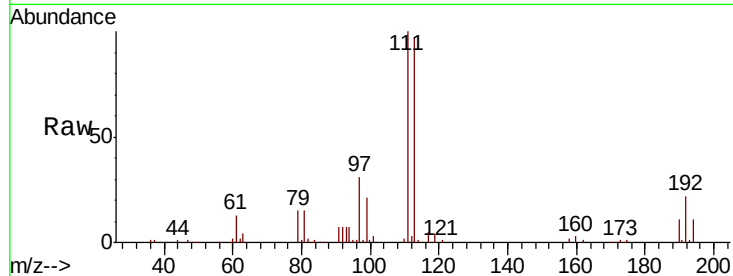




#35
 Dibromofluoromethane
 Concen: 48.79 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

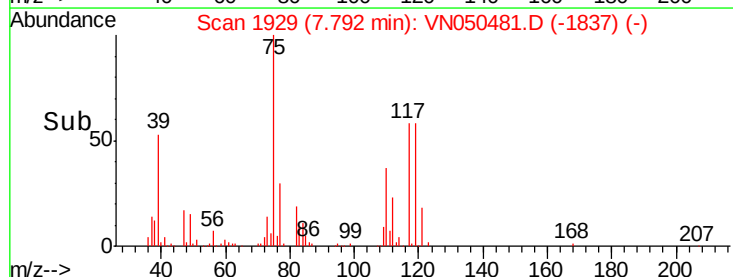
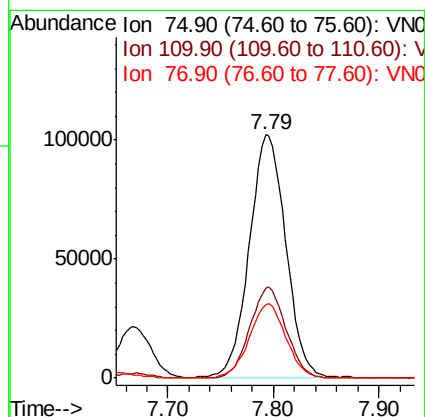
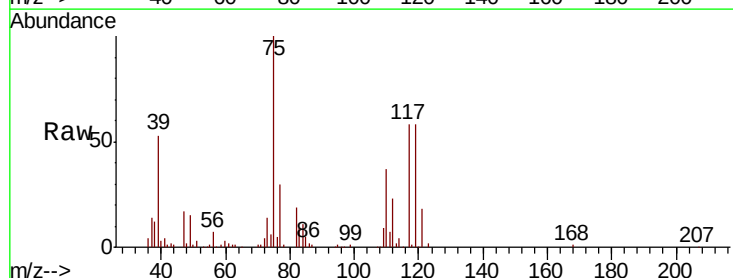
Instrument :
 MSVOA_N
 ClientSampled :

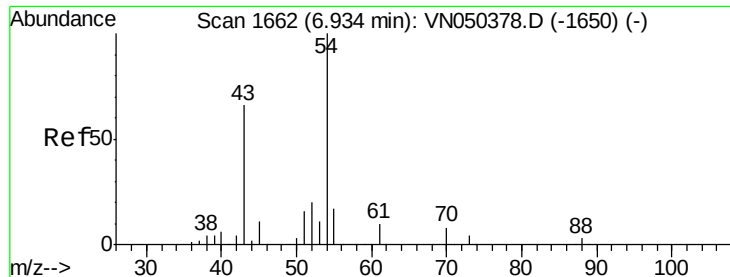
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.7	121.1
192	22.4	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 19.82 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	18.4	55.2
77	31.1	25.3	37.9

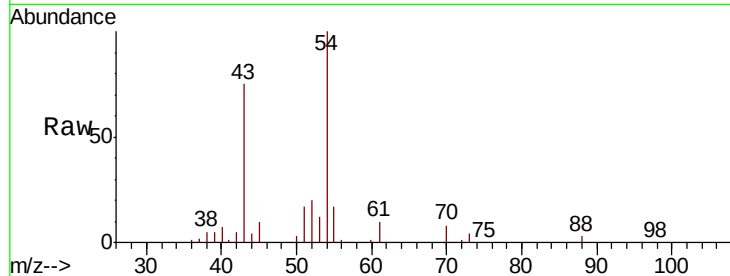




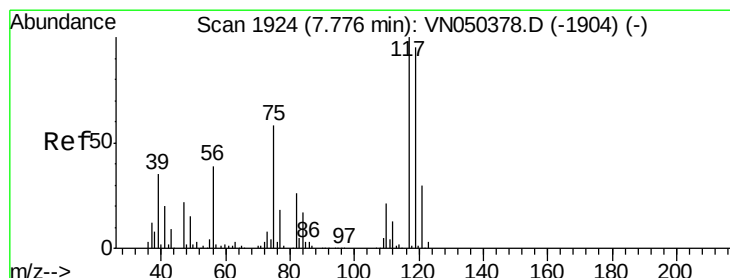
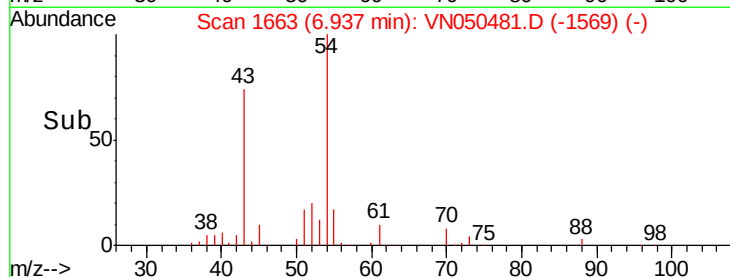
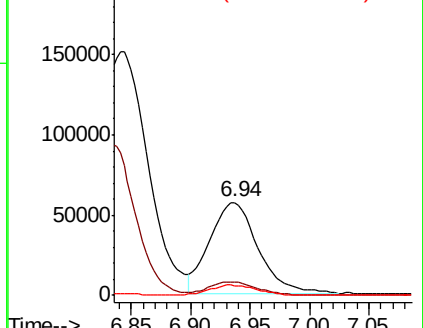
#37
Ethyl Acetate
Concen: 18.14 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 161259
Ion Ratio Lower Upper
43 100
61 14.1 11.8 17.8
70 11.1 8.4 12.6

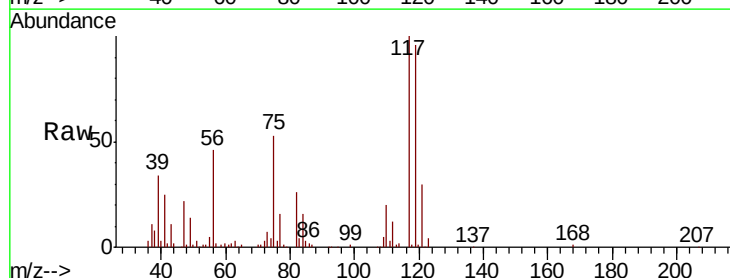


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

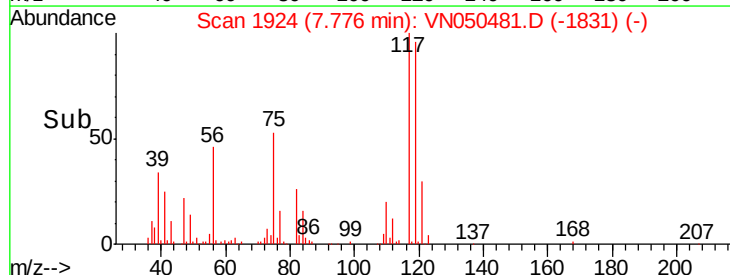
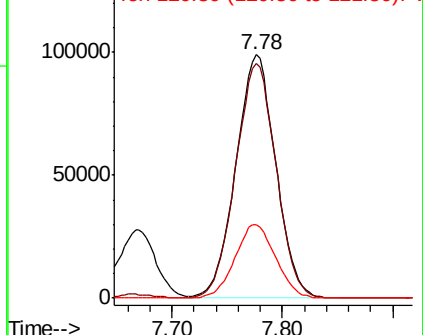


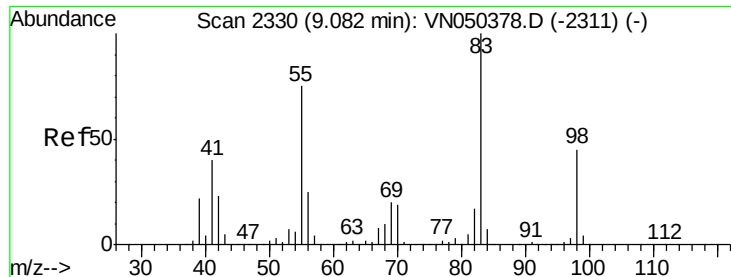
#38
Carbon Tetrachloride
Concen: 19.29 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion: 117 Resp: 248405
Ion Ratio Lower Upper
117 100
119 96.3 77.4 116.0
121 30.4 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

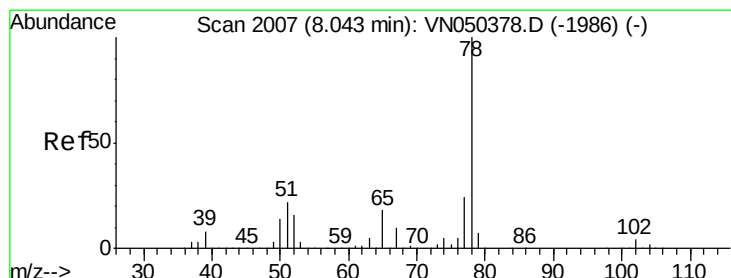
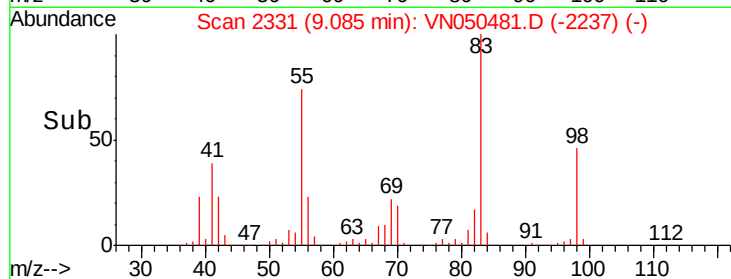
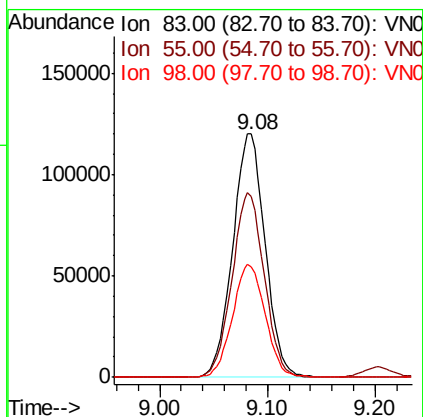
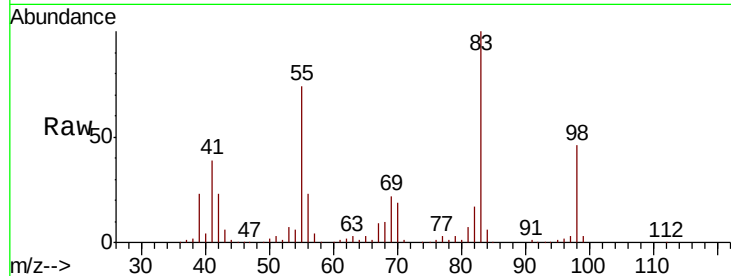




#39
Methylvlcyclohexane
Concen: 18.68 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

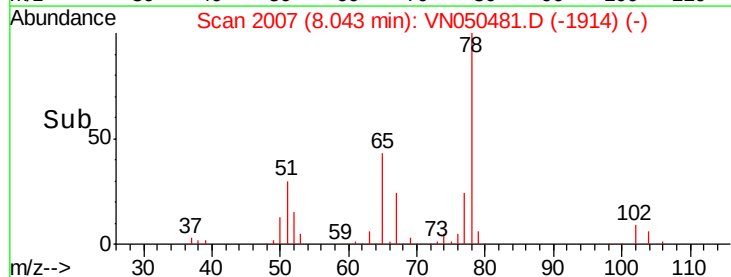
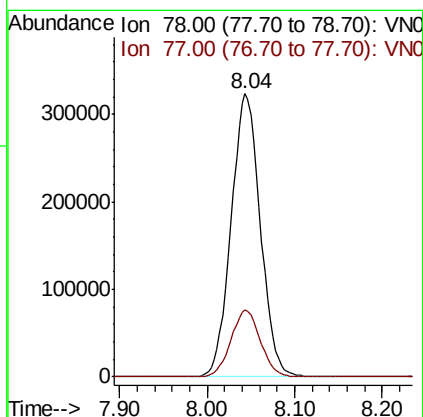
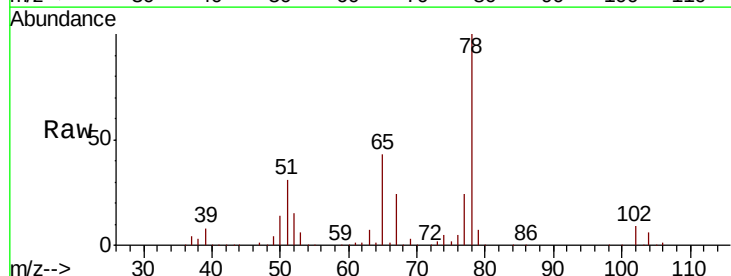
Instrument :
MSVOA_N
ClientSampleId :

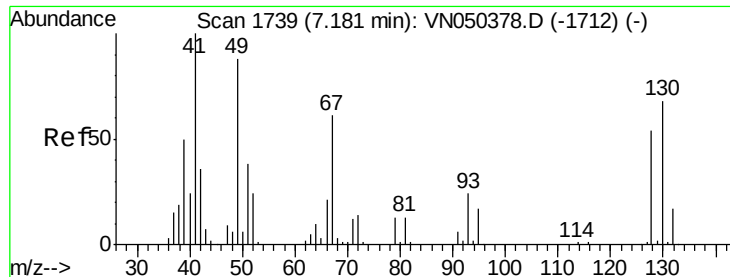
Tot Ion: 83 Resp: 251661
Ion Ratio Lower Upper
83 100
55 74.4 61.8 92.8
98 45.6 36.5 54.7



#40
Benzene
Concen: 19.75 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion: 78 Resp: 749365
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1

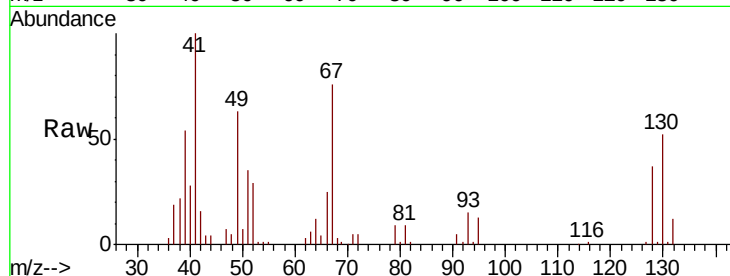




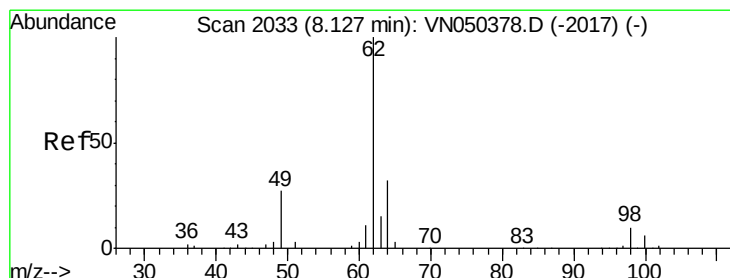
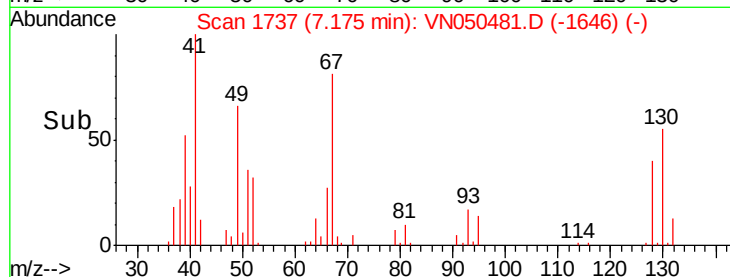
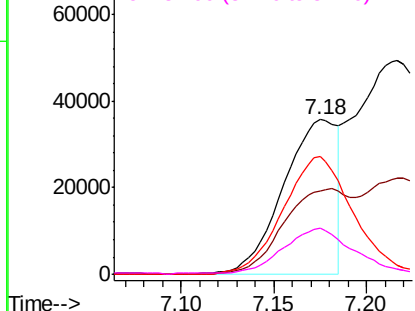
#41
Methacrylonitrile
Concen: 15.41 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 72829
Ion Ratio Lower Upper
41 100
39 65.1 55.8 83.6
67 98.9 84.3 126.5
52 39.8 34.2 51.2

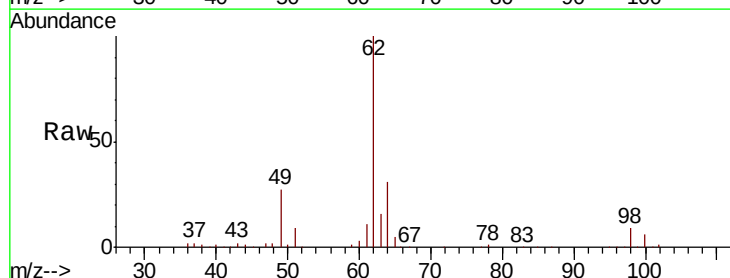


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

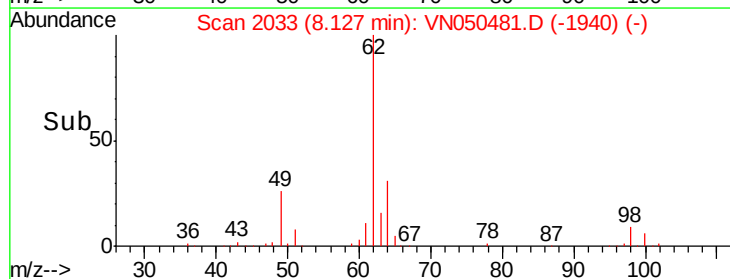
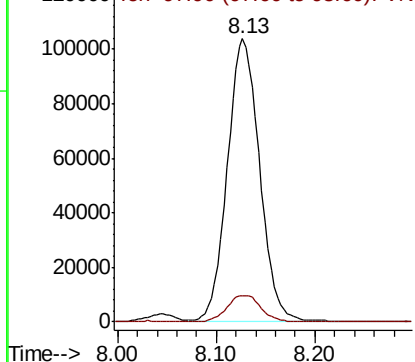


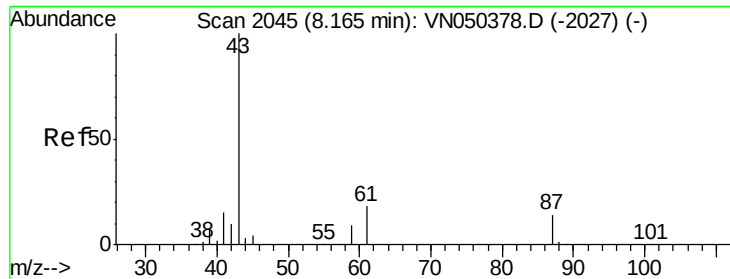
#42
1,2-Dichloroethane
Concen: 19.62 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion: 62 Resp: 236319
Ion Ratio Lower Upper
62 100
98 9.8 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 18.34 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

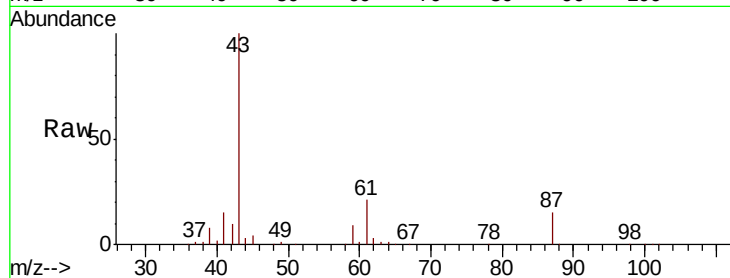
Tot Ion: 43 Resp: 281373

Ion Ratio Lower Upper

43 100

61 29.2 15.8 23.6#

87 14.5 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)

8.17

150000

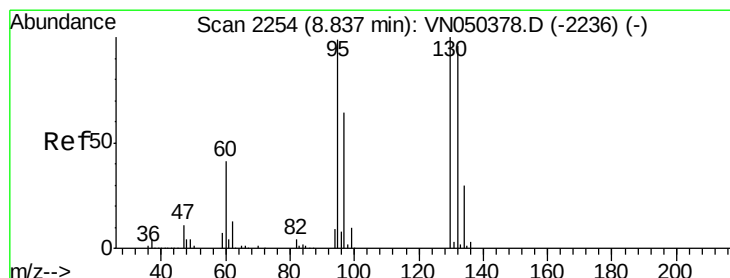
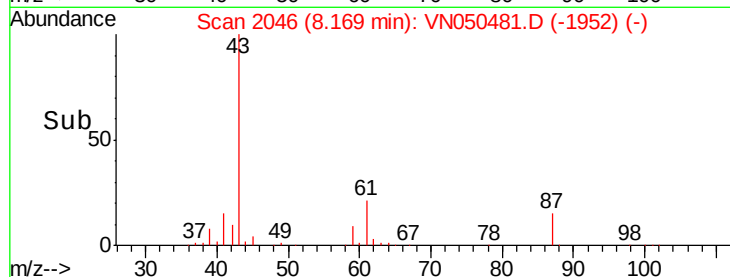
100000

50000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 19.79 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050481.D

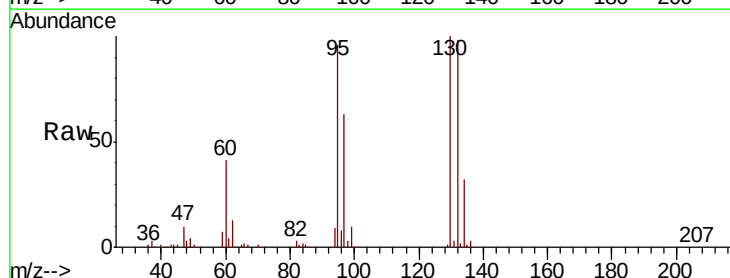
Acq: 9 Aug 2018 13:22

Tgt Ion:130 Resp: 201829

Ion Ratio Lower Upper

130 100

95 96.0 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050378.D (-2236) (-)

8.84

100000

80000

60000

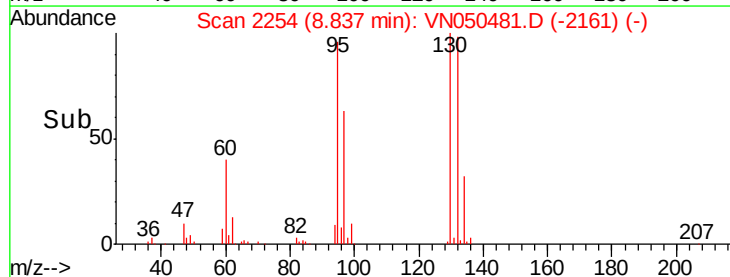
40000

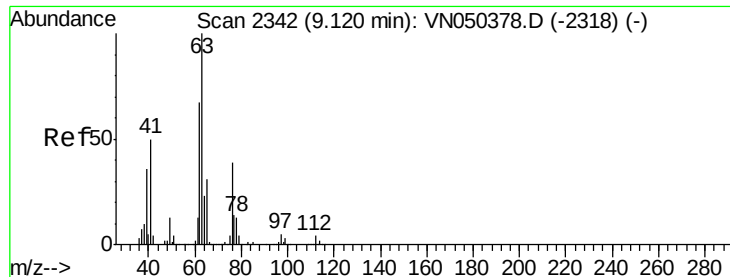
20000

0

8.80 8.90 9.00

Time-->

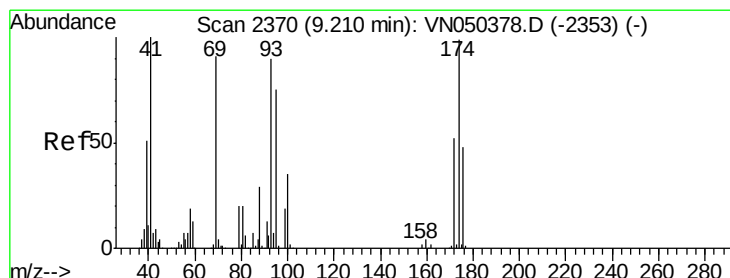
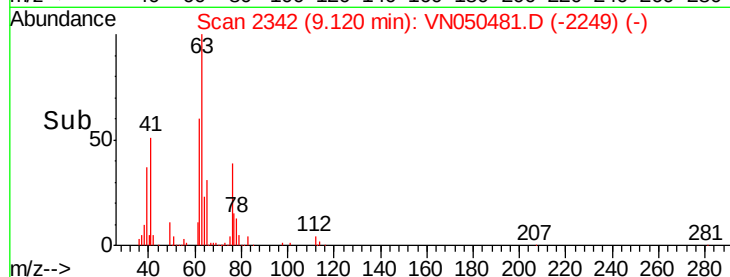
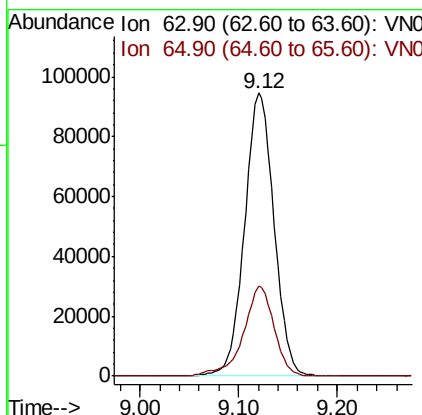
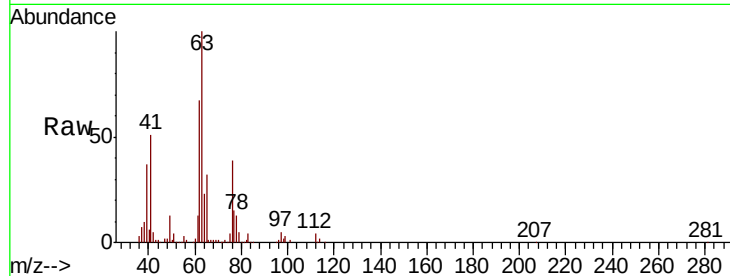




#45
 1,2-Dichloropropane
 Concen: 19.51 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

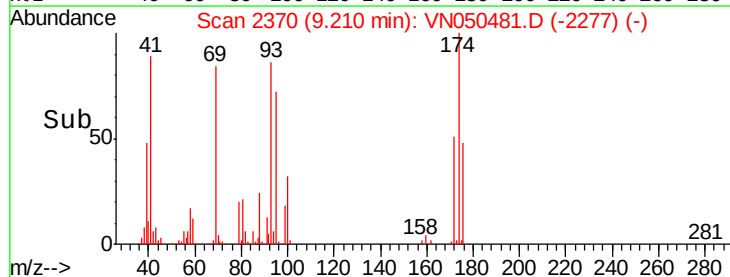
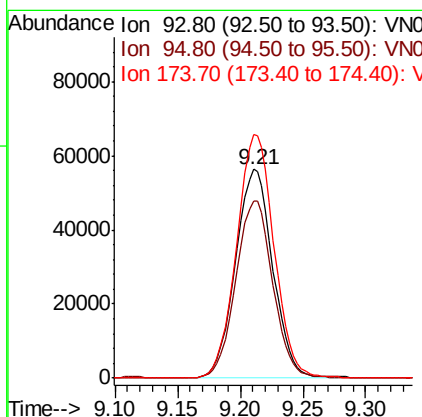
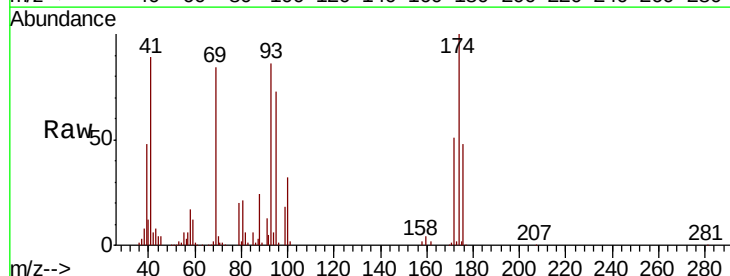
Instrument :
 MSVOA_N
 ClientSampled :

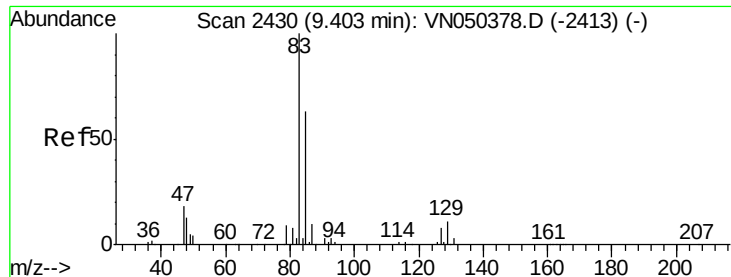
Tot Ion: 63 Resp: 194612
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.5 38.3



#46
 Dibromomethane
 Concen: 18.98 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion: 93 Resp: 116936
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.6 100.0
 174 116.8 87.1 130.7

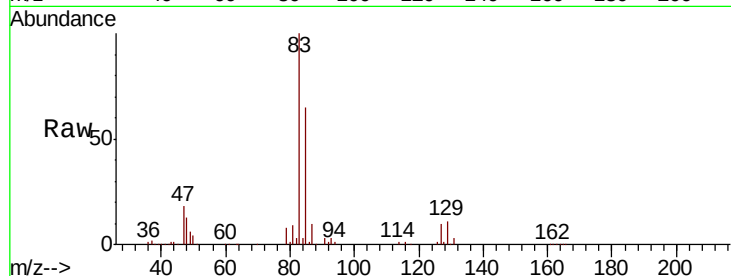




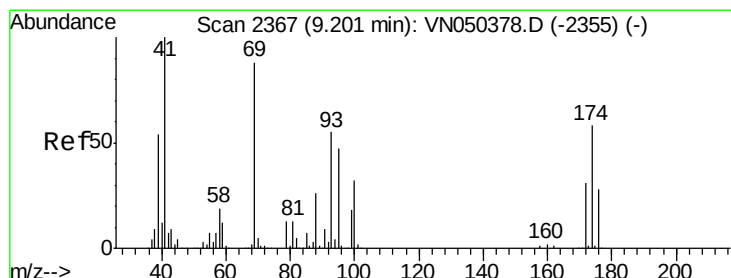
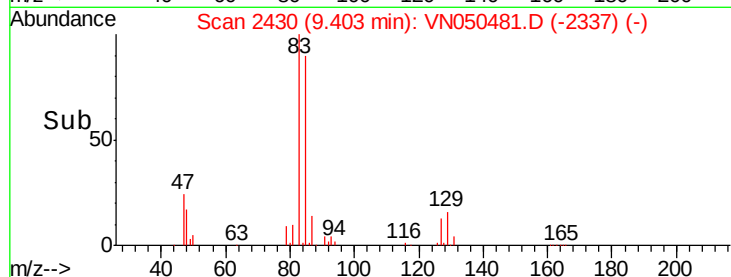
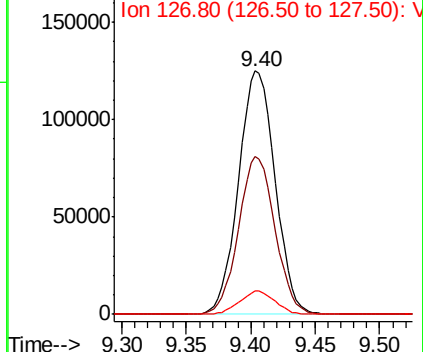
#47
Bromodichloromethane
Concen: 19.38 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 247253
Ion Ratio Lower Upper
83 100
85 64.8 51.1 76.7
127 9.6 7.0 10.4

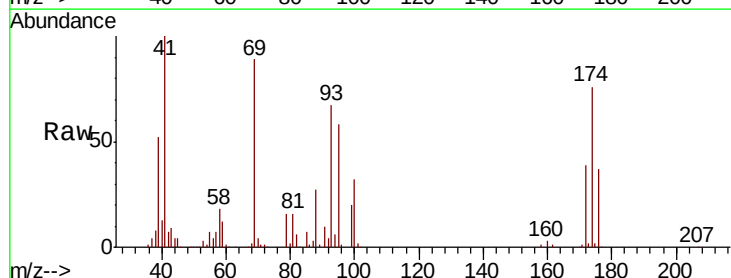


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

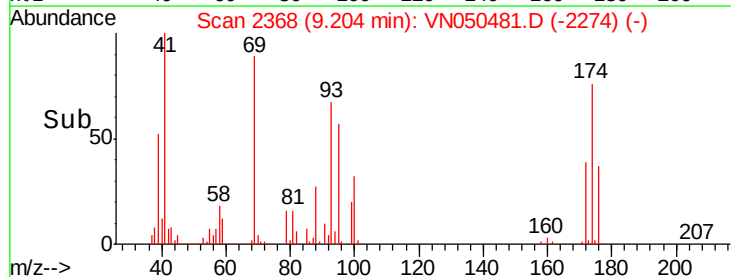
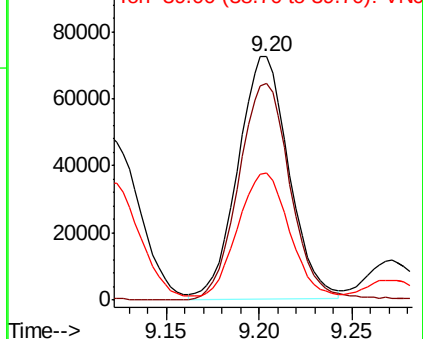


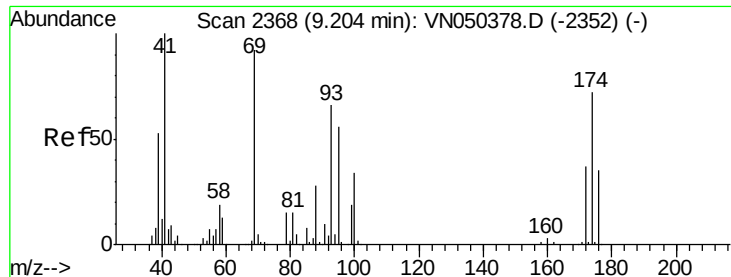
#48
Methyl methacrylate
Concen: 18.08 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion: 41 Resp: 139067
Ion Ratio Lower Upper
41 100
69 90.9 70.6 105.8
39 53.1 43.9 65.9



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





#49

1,4-Dioxane

Concen: 333.89 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampled :

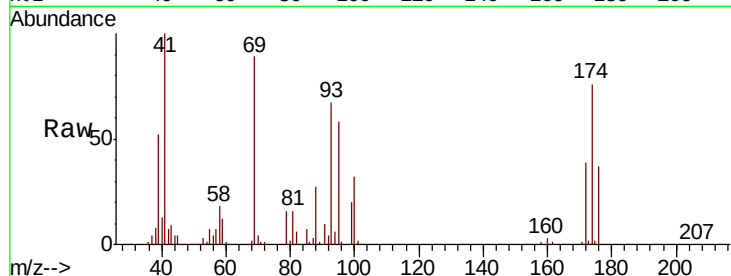
Tot Ion: 88 Resp: 39581

Ion Ratio Lower Upper

88 100

43 32.2 26.9 40.3

58 69.3 57.3 85.9

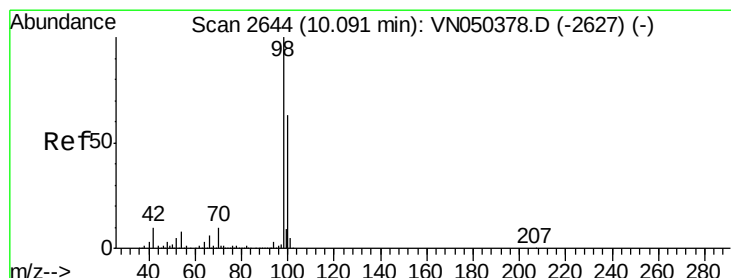
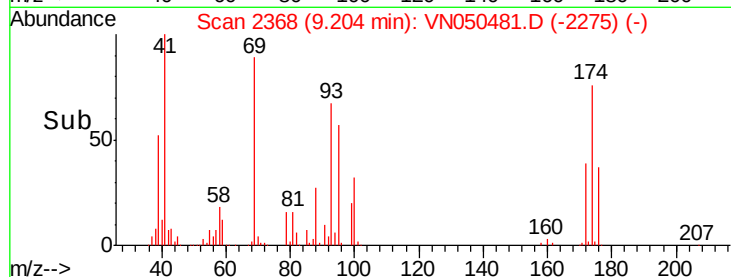
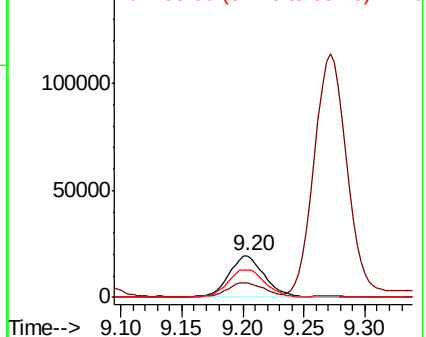


Abundance

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: 47.31 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050481.D

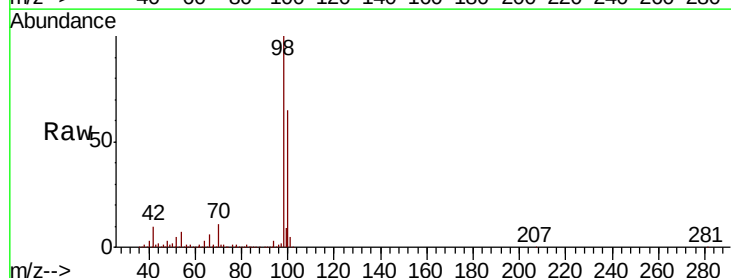
Acq: 9 Aug 2018 13:22

Tgt Ion: 98 Resp: 1603271

Ion Ratio Lower Upper

98 100

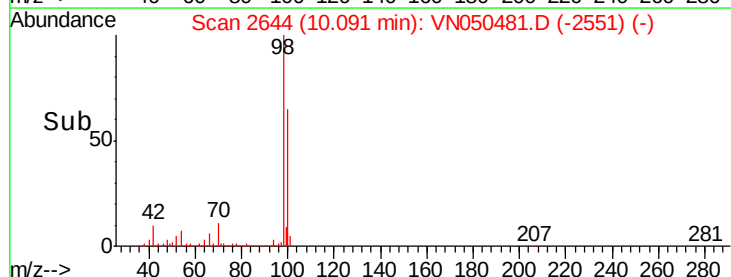
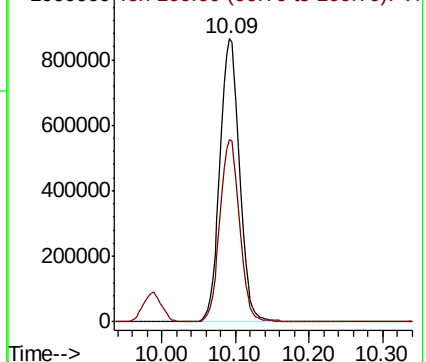
100 64.2 50.7 76.1

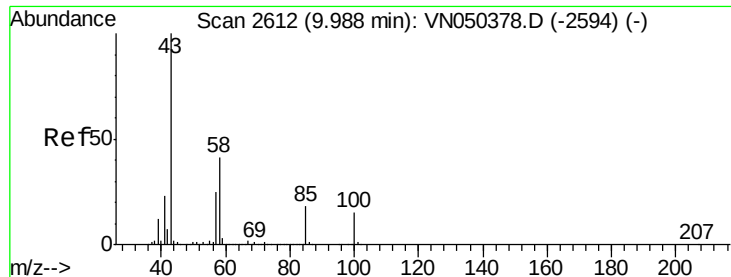


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

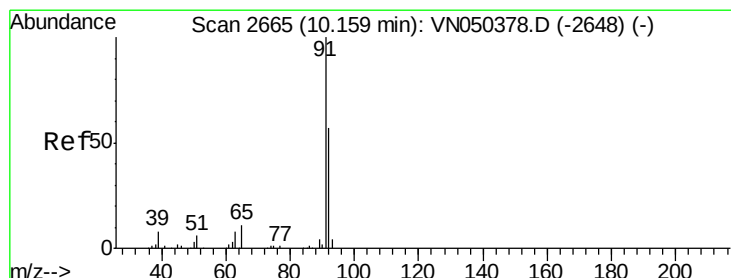
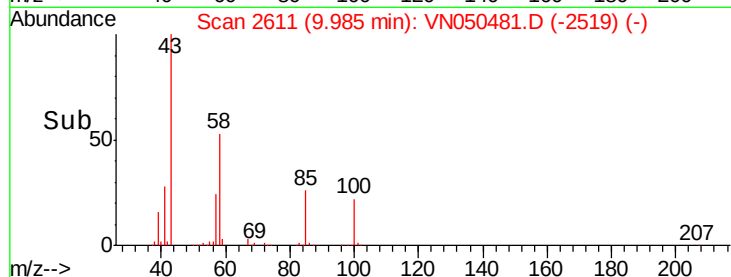
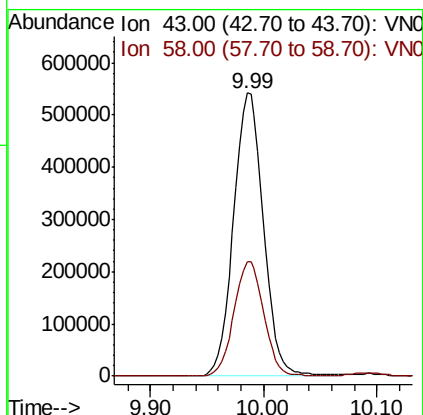
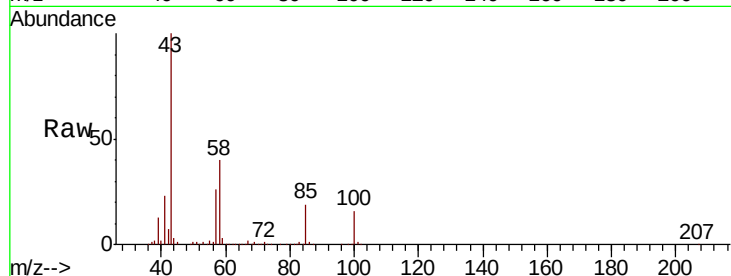




#51
 4-Methyl-2-Pentanone
 Concen: 90.03 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

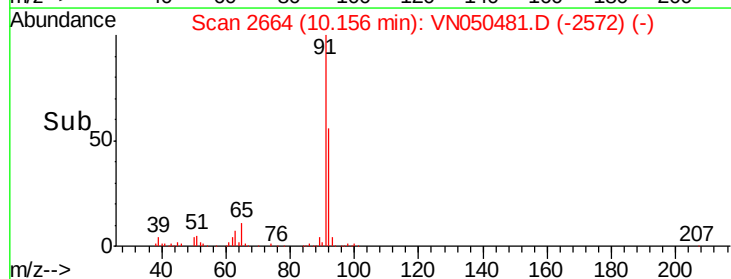
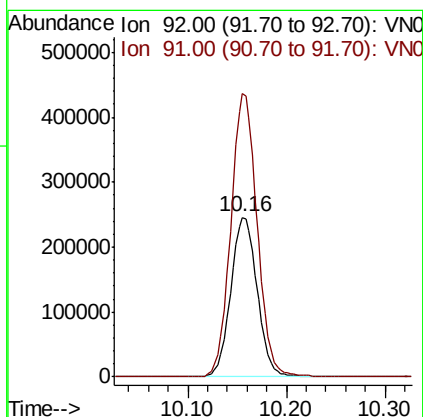
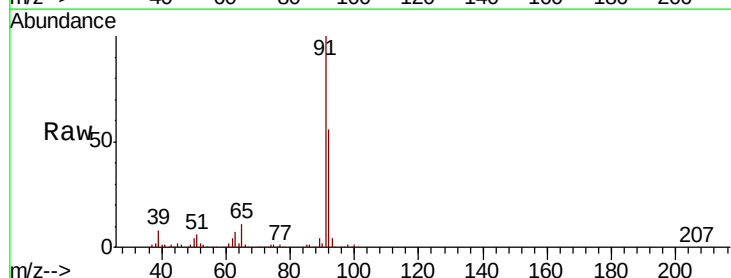
Instrument :
 MSVOA_N
 ClientSampled :

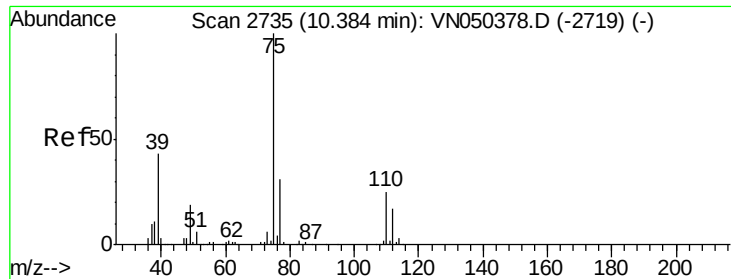
Tot Ion: 43 Resp: 994908
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.9 47.9



#52
 Toluene
 Concen: 20.16 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion: 92 Resp: 459518
 Ion Ratio Lower Upper
 92 100
 91 177.0 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 19.10 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

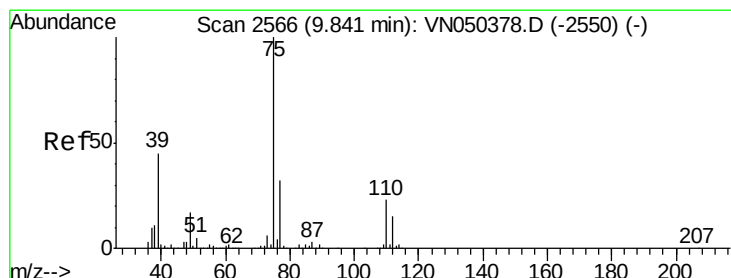
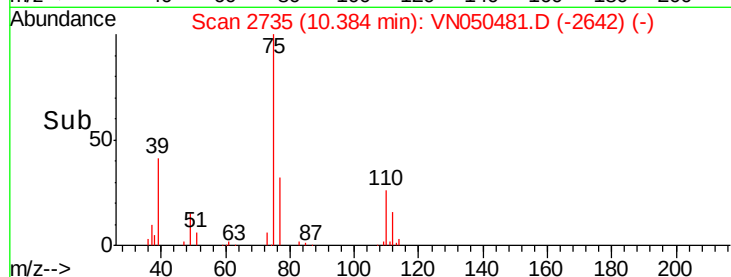
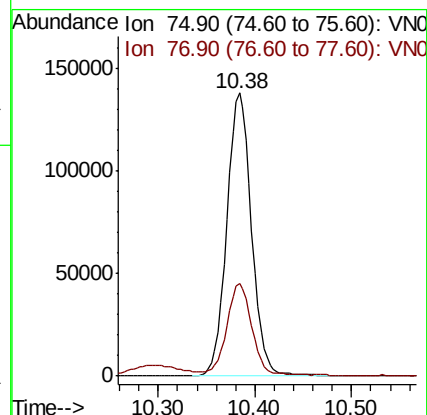
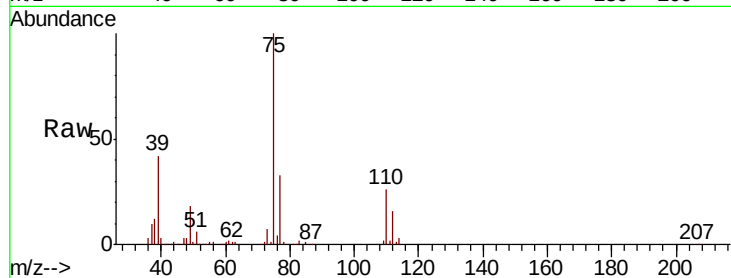
ClientSampled :

Tot Ion: 75 Resp: 244753

Ion Ratio Lower Upper

75 100

77 32.6 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.97 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

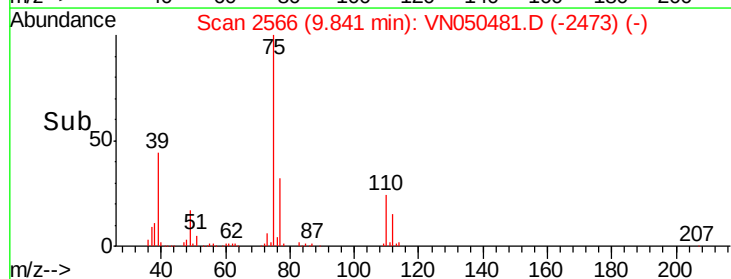
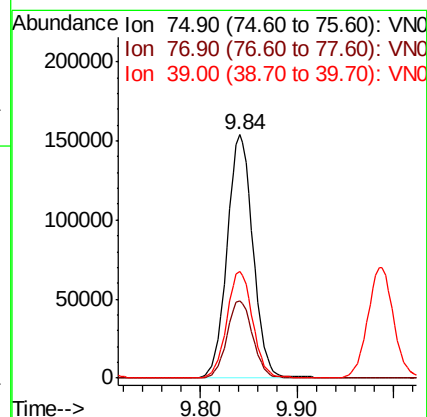
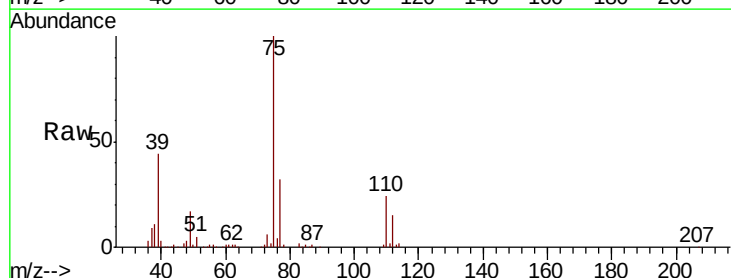
Tgt Ion: 75 Resp: 285524

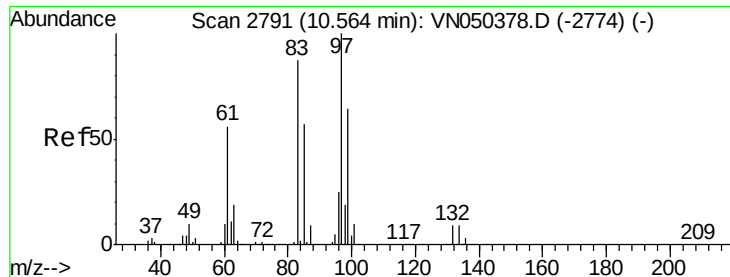
Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 43.7 36.6 55.0

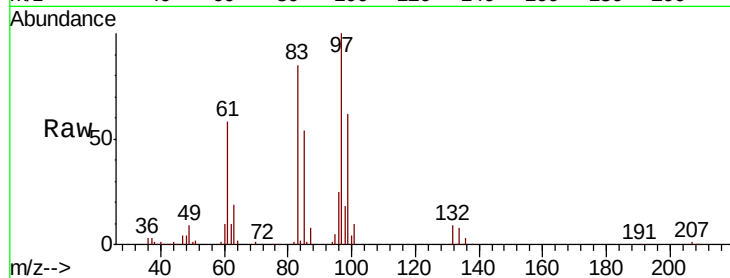




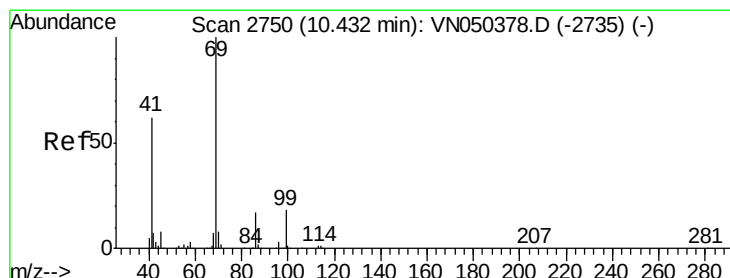
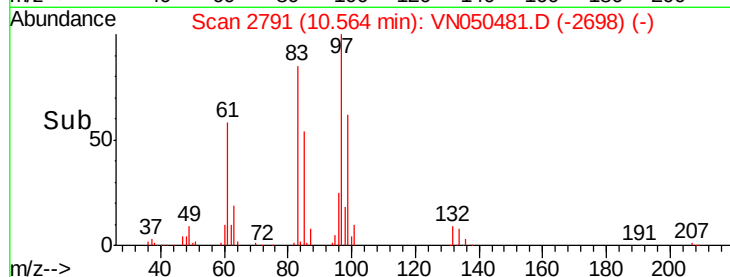
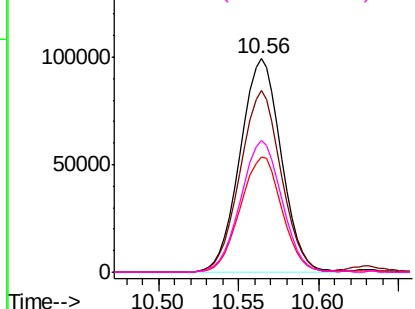
#55
 1,1,2-Trichloroethane
 Concen: 19.61 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 97 Resp: 174494
 Ion Ratio Lower Upper
 97 100
 83 84.9 69.2 103.8
 85 54.1 44.0 66.0
 99 61.7 49.9 74.9

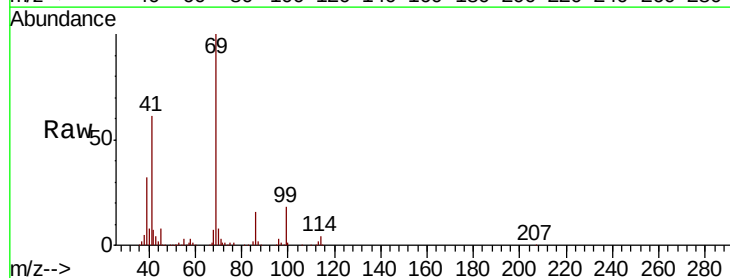


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

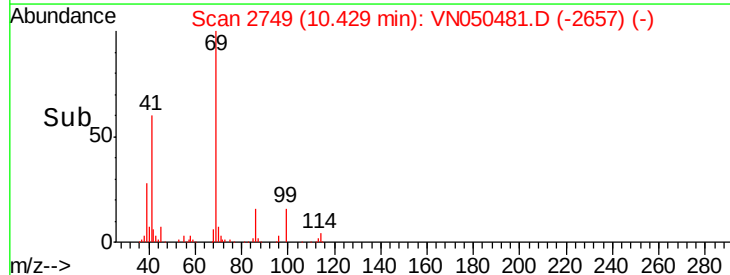
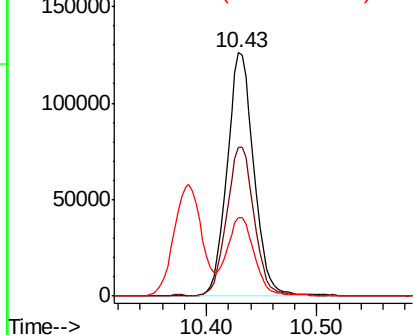


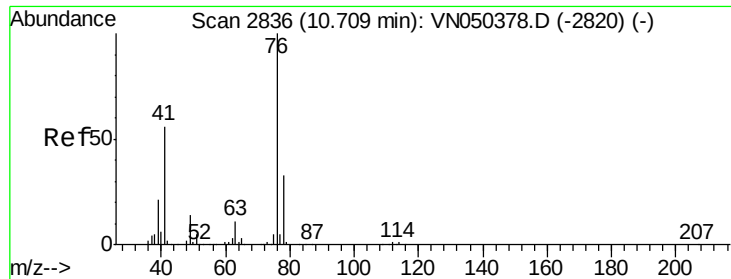
#56
 Ethyl methacrylate
 Concen: 17.99 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion: 69 Resp: 212220
 Ion Ratio Lower Upper
 69 100
 41 62.2 51.0 76.4
 39 32.4 26.6 40.0



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





#57

1,3-Dichloropropane

Concen: 19.61 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

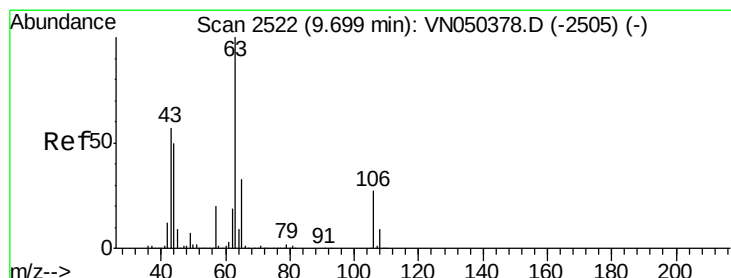
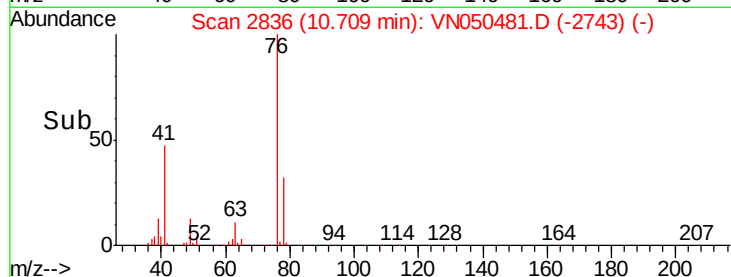
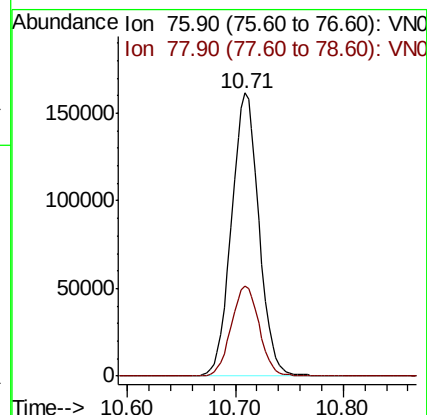
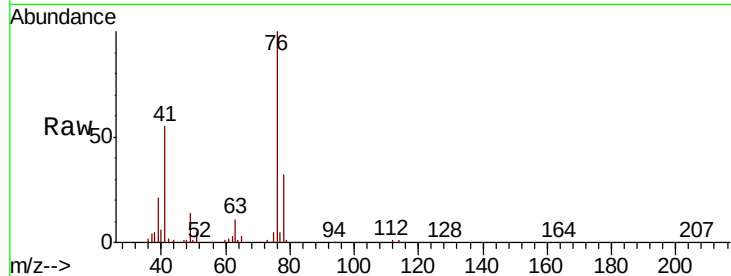
ClientSampled :

Tot Ion: 76 Resp: 286446

Ion Ratio Lower Upper

76 100

78 32.7 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 86.98 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050481.D

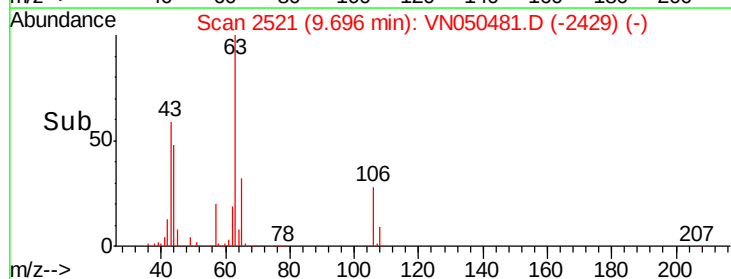
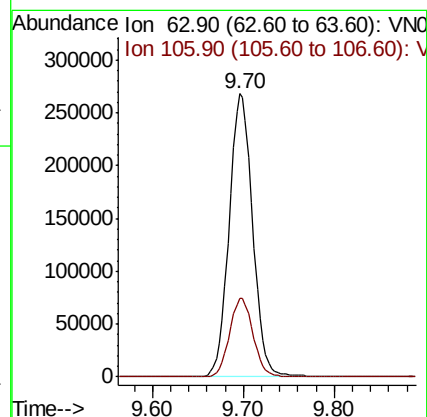
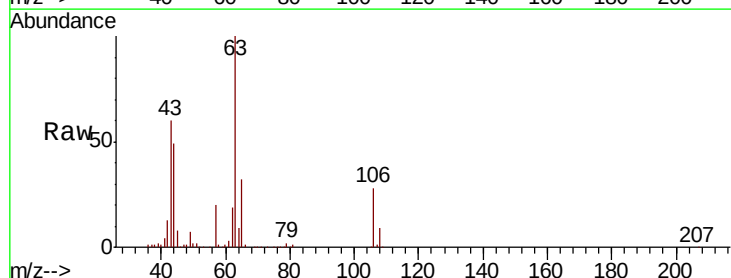
Acq: 9 Aug 2018 13:22

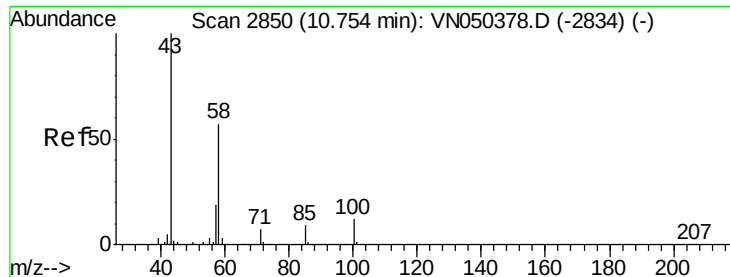
Tgt Ion: 63 Resp: 481397

Ion Ratio Lower Upper

63 100

106 27.9 21.7 32.5

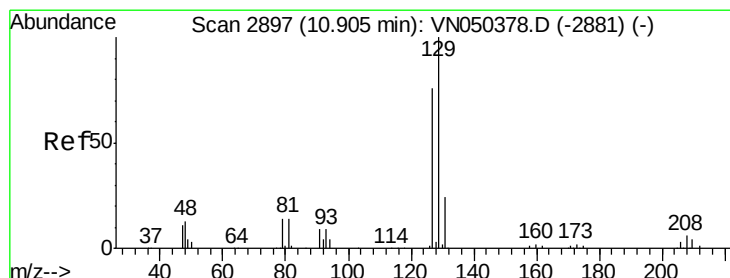
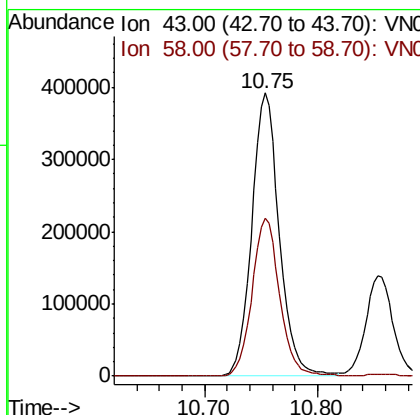
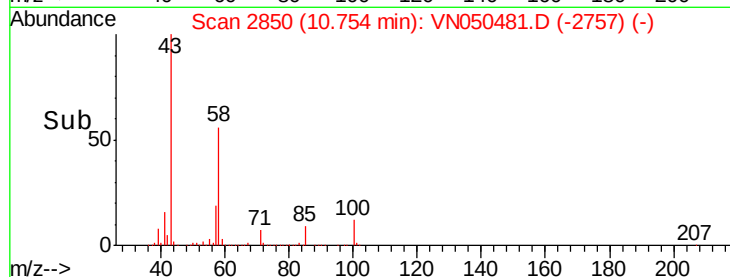
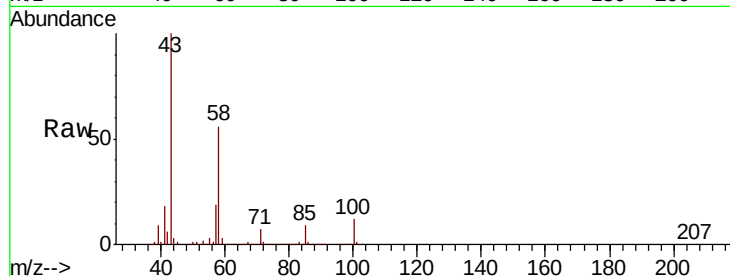




#59
2-Hexanone
Concen: 85.29 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

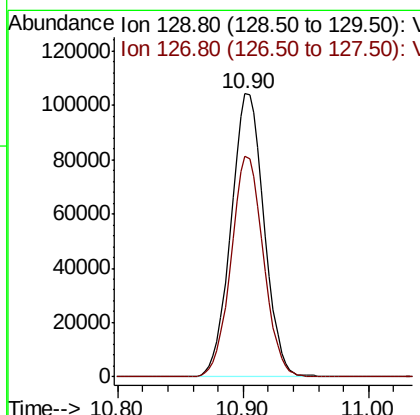
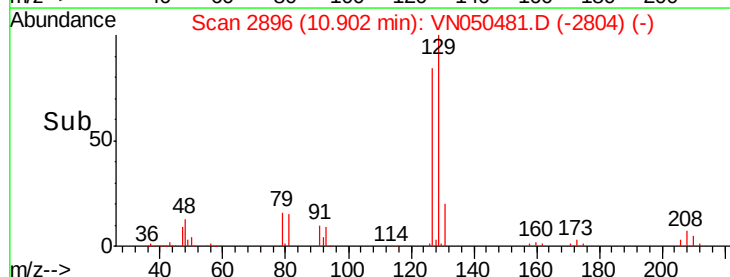
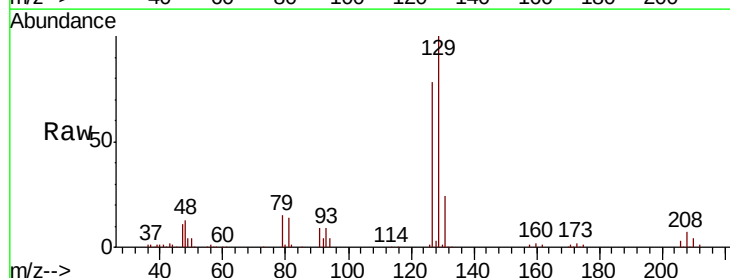
Instrument :
MSVOA_N
ClientSampled :

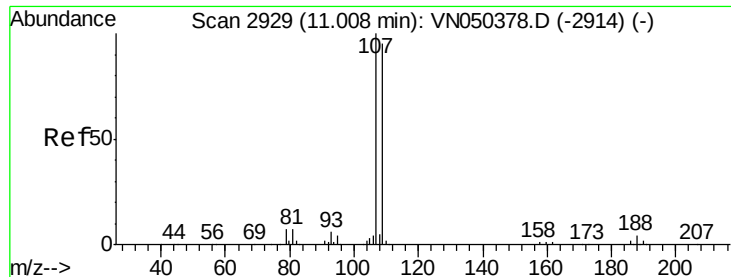
Tot Ion: 43 Resp: 657793
Ion Ratio Lower Upper
43 100
58 56.3 27.6 82.7



#60
Dibromochloromethane
Concen: 19.42 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion: 129 Resp: 190335
Ion Ratio Lower Upper
129 100
127 76.4 38.0 113.9

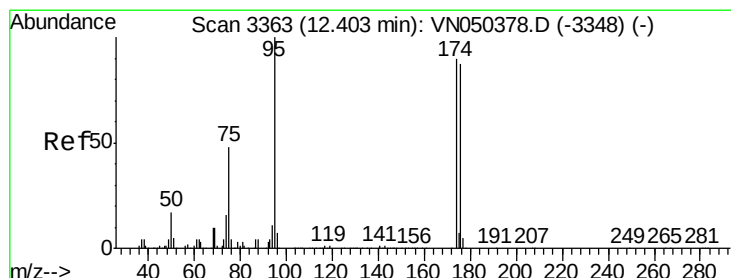
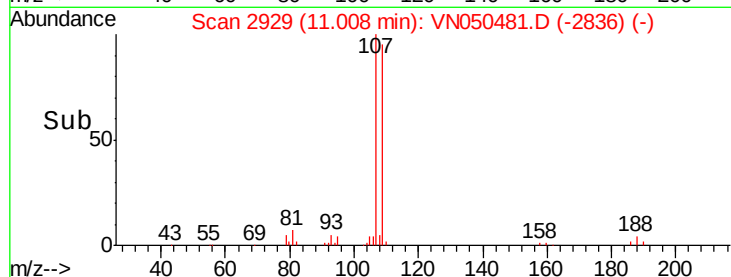
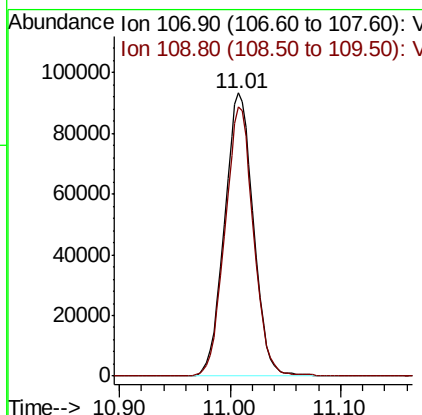
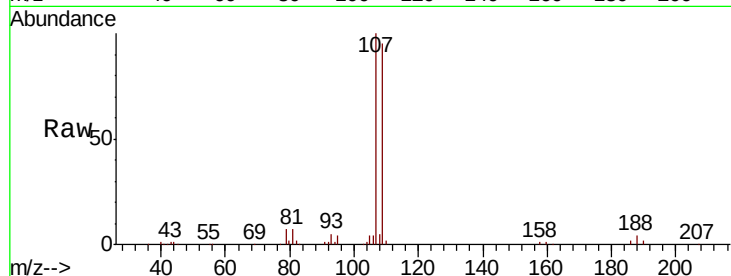




#61
 1,2-Dibromoethane
 Concen: 19.26 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

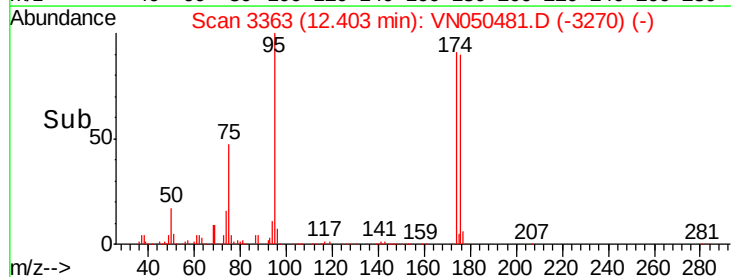
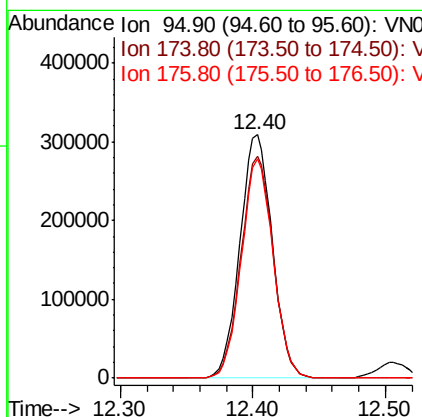
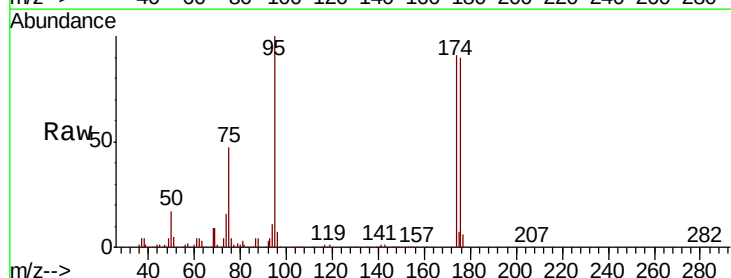
Instrument :
 MSVOA_N
 ClientSampled :

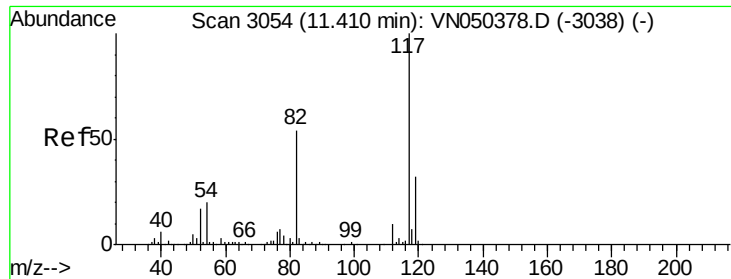
Tot Ion:107 Resp: 168906
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 45.26 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion: 95 Resp: 522765
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 178.2
 176 88.3 0.0 173.4

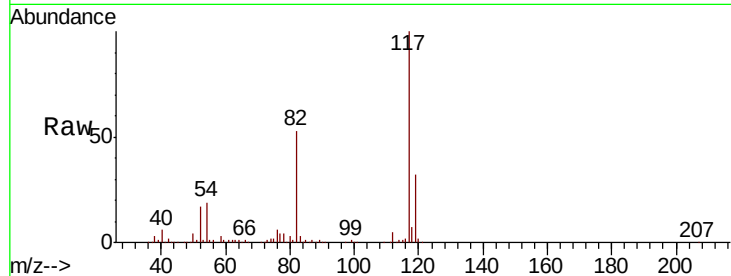




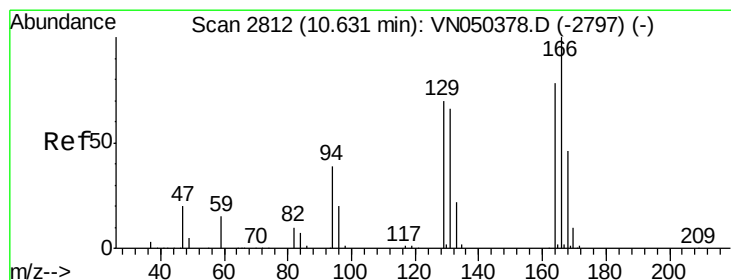
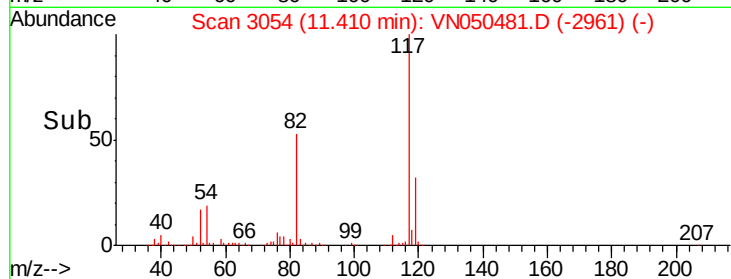
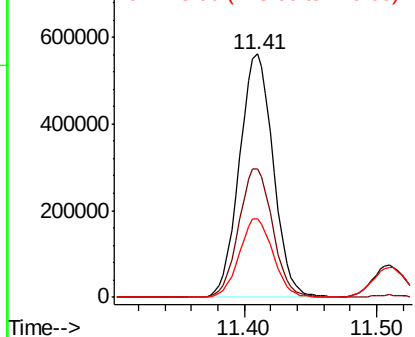
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 991914
Ion Ratio Lower Upper
117 100
82 52.8 43.7 65.5
119 32.3 26.1 39.1

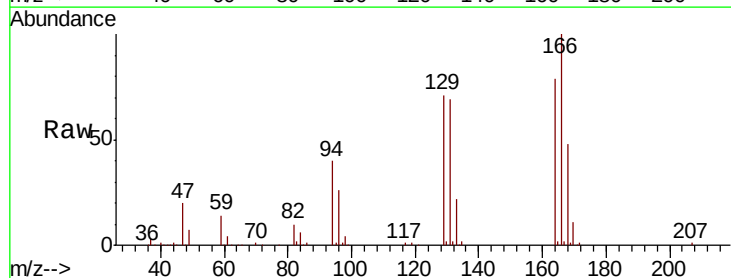


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

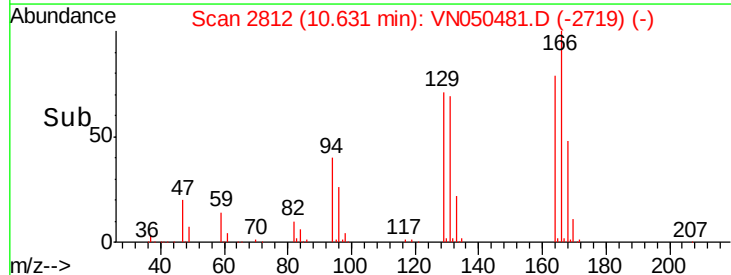
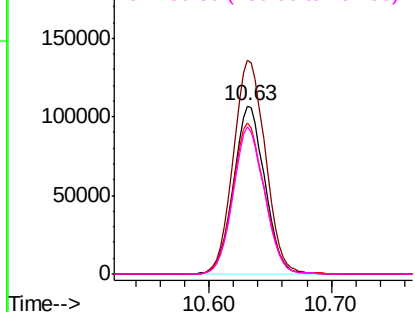


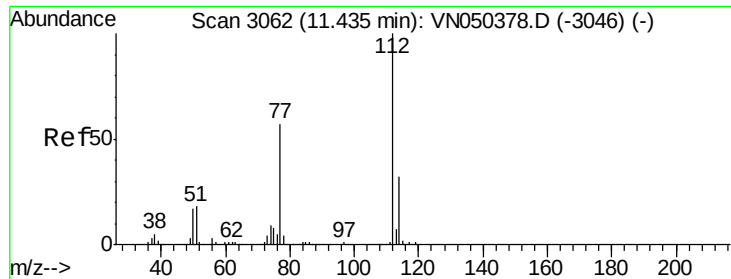
#64
Tetrachloroethene
Concen: 20.51 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion:164 Resp: 190100
Ion Ratio Lower Upper
164 100
166 127.0 102.1 153.1
129 89.9 73.2 109.8
131 87.7 70.6 106.0



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

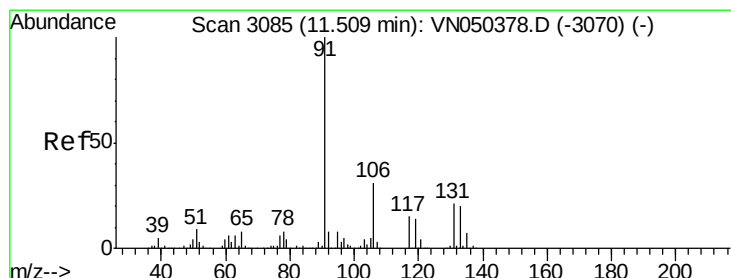
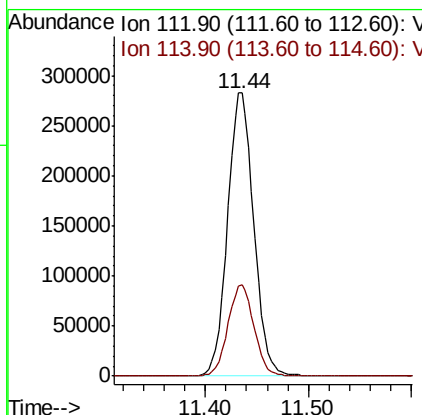
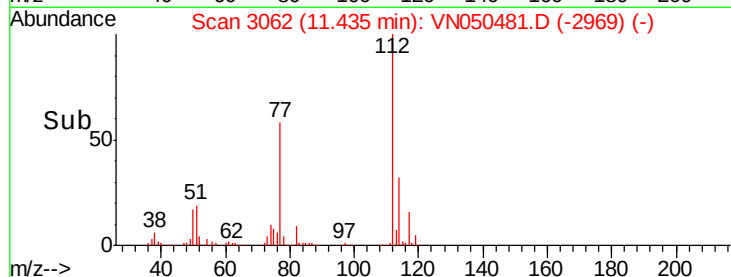
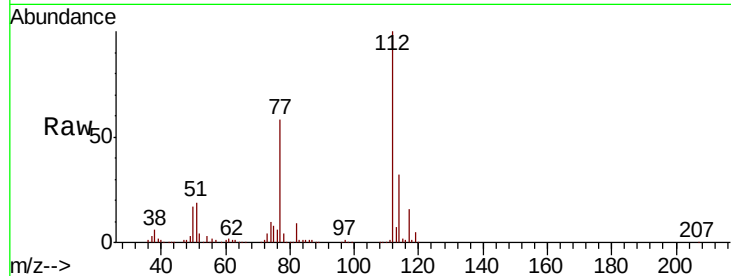




#65
Chlorobenzene
Concen: 20.11 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

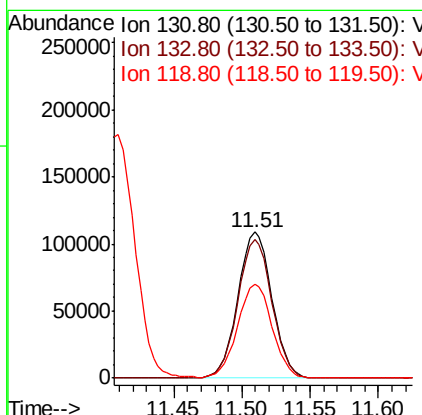
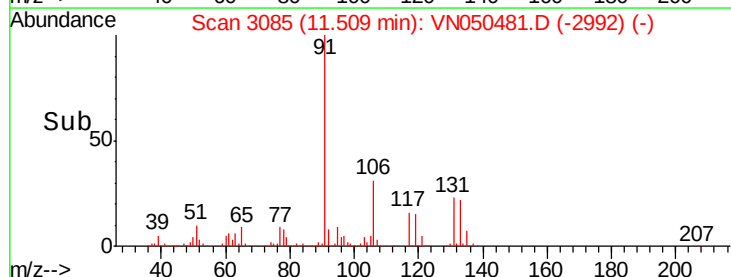
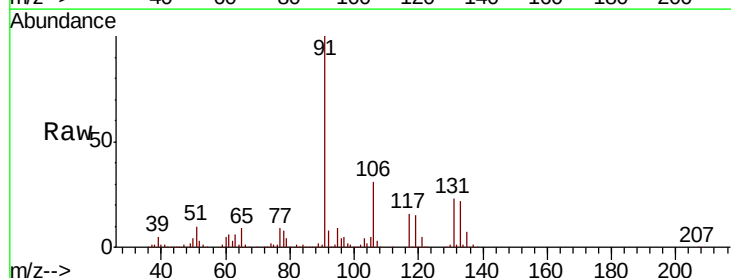
Instrument :
MSVOA_N
ClientSampled :

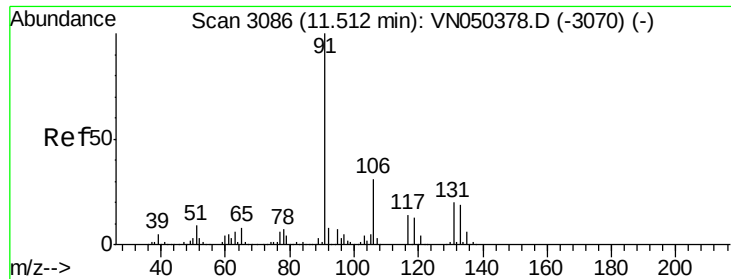
Tot Ion:112 Resp: 500141
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.87 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion:131 Resp: 188862
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 65.1 32.9 98.7

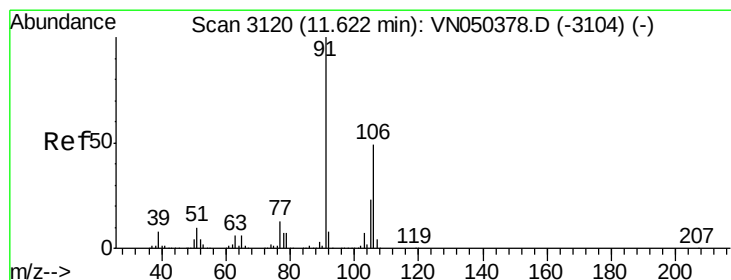
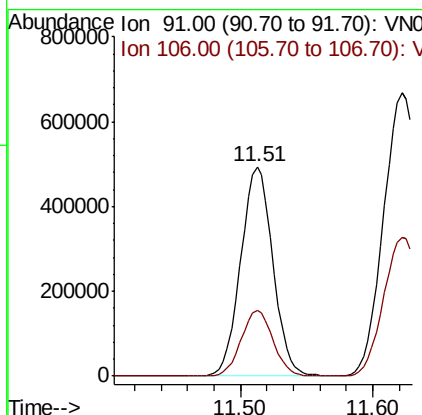
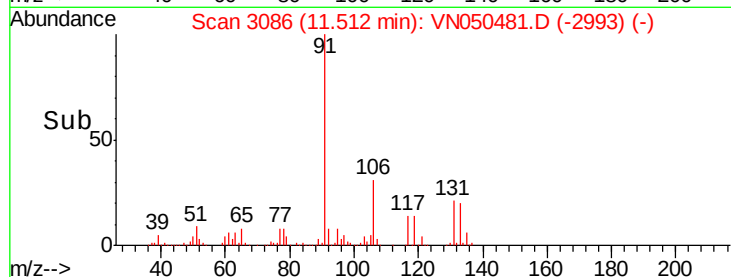
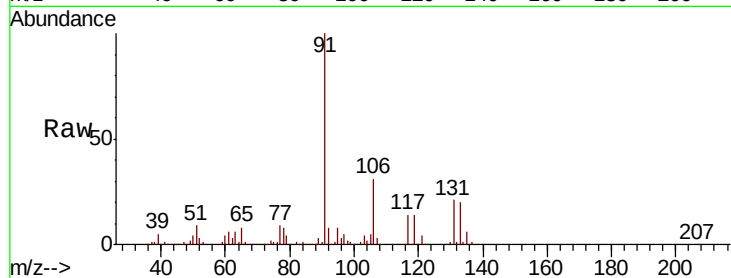




#67
Ethyl Benzene
Concen: 20.65 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

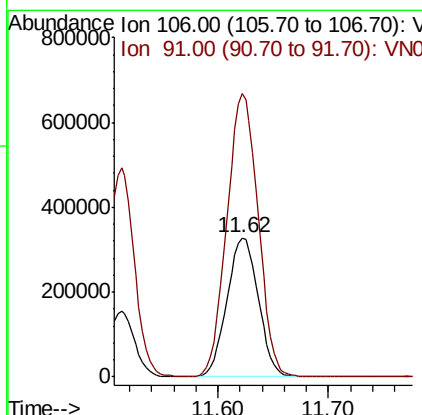
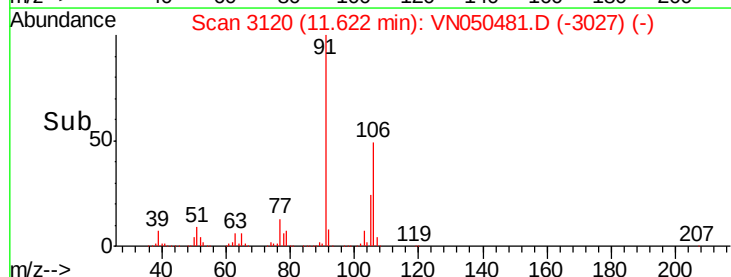
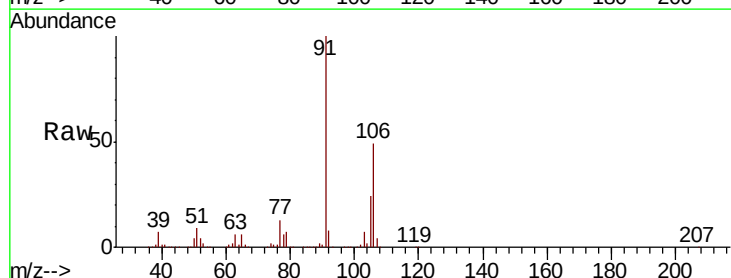
Instrument :
MSVOA_N
ClientSampled :

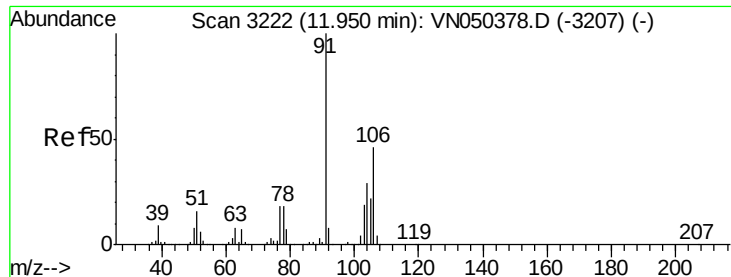
Tot Ion: 91 Resp: 830158
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4



#68
m/p-Xylenes
Concen: 42.21 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion: 106 Resp: 645908
Ion Ratio Lower Upper
106 100
91 203.0 162.2 243.2

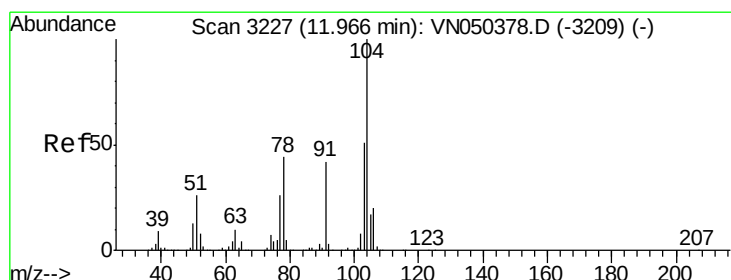
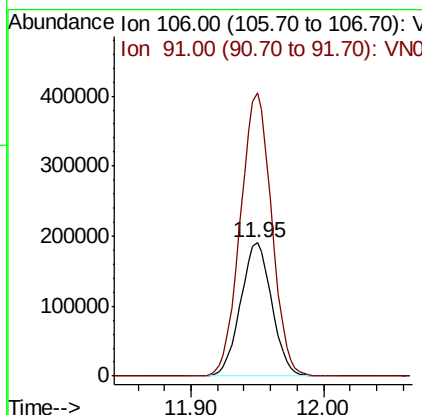
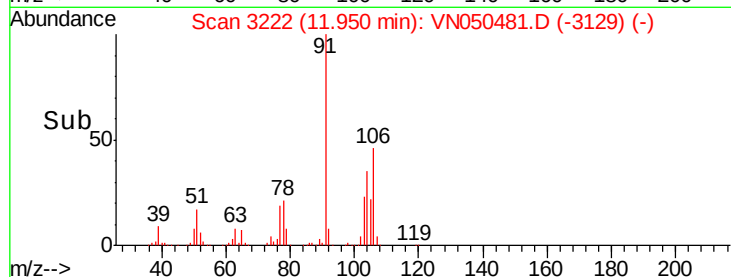
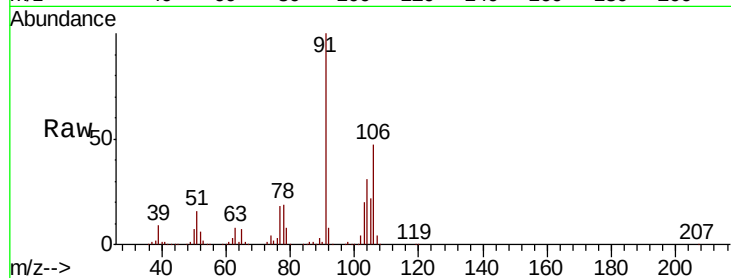




#69
o-Xylene
Concen: 21.11 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

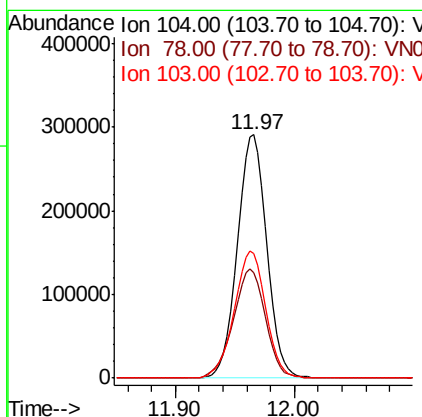
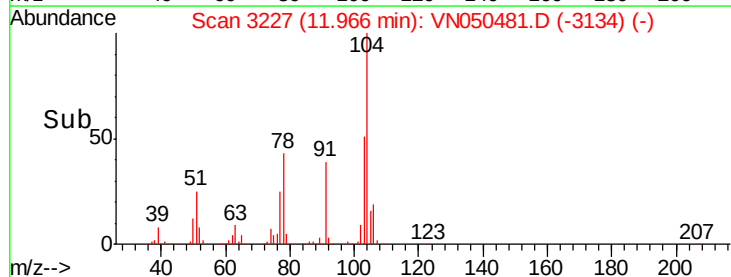
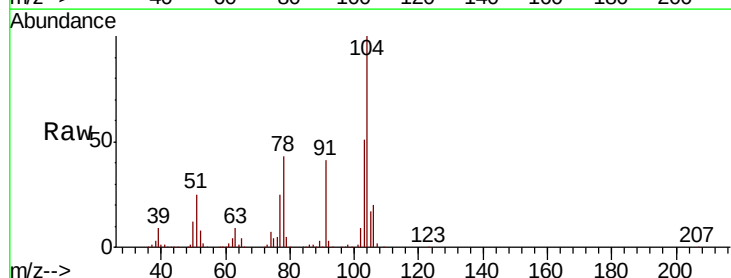
Instrument :
MSVOA_N
ClientSampled :

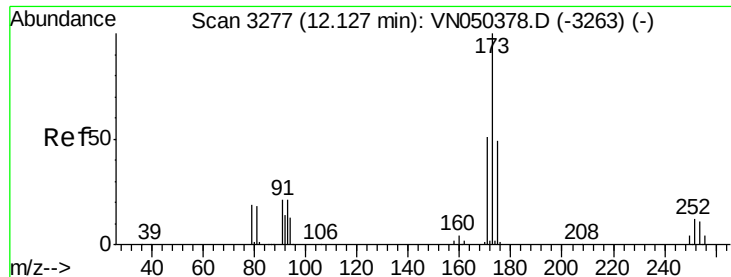
Tot Ion:106 Resp: 311252
Ion Ratio Lower Upper
106 100
91 213.2 107.7 323.1



#70
Styrene
Concen: 20.80 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion:104 Resp: 498630
Ion Ratio Lower Upper
104 100
78 49.0 39.3 58.9
103 56.0 45.0 67.6





#71

Bromoform

Concen: 19.31 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

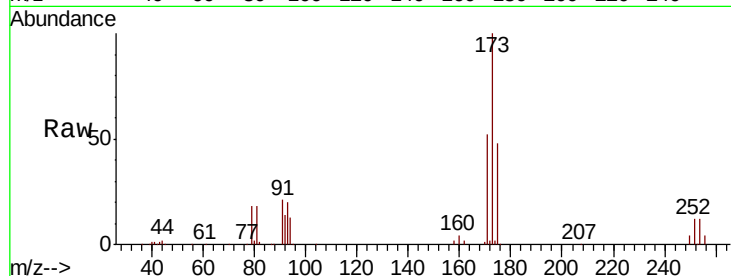
Tot Ion:173 Resp: 127755

Ion Ratio Lower Upper

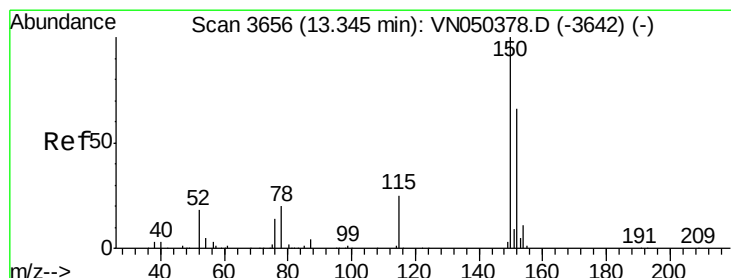
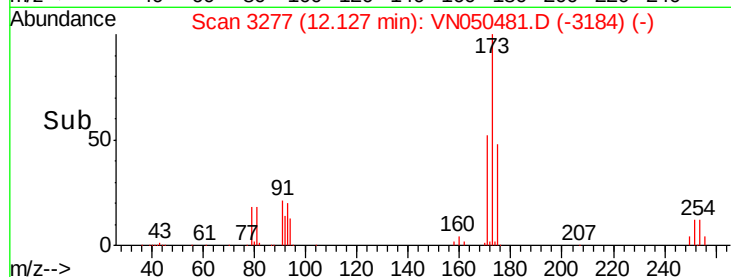
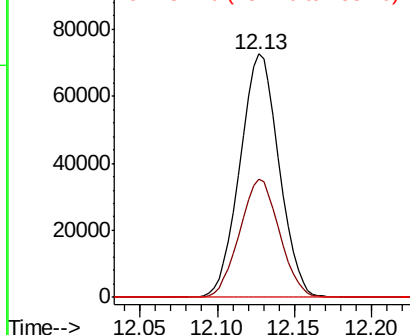
173 100

175 49.4 24.1 72.2

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

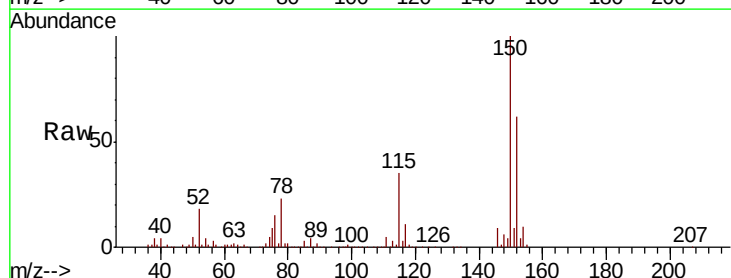
Tgt Ion:152 Resp: 493218

Ion Ratio Lower Upper

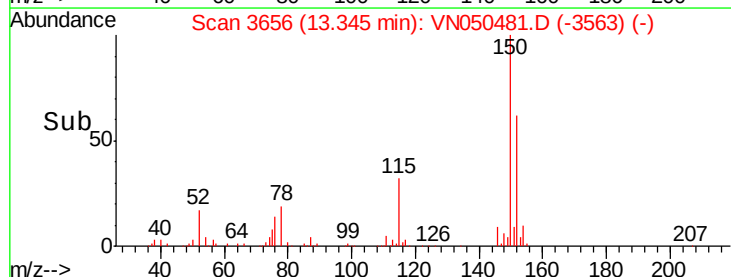
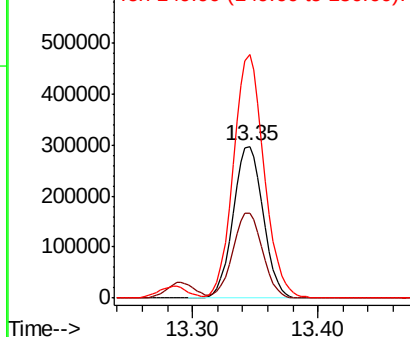
152 100

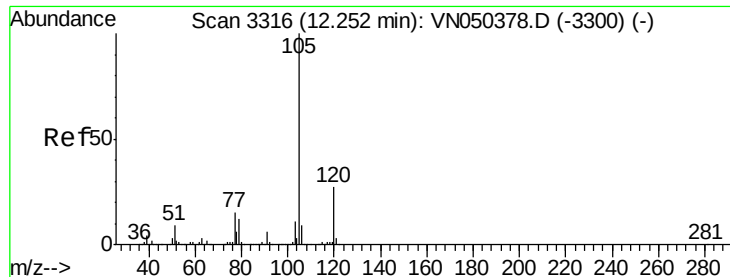
115 55.8 27.8 83.3

150 164.2 0.0 348.6



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





#73

Isopropylbenzene

Concen: 21.98 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

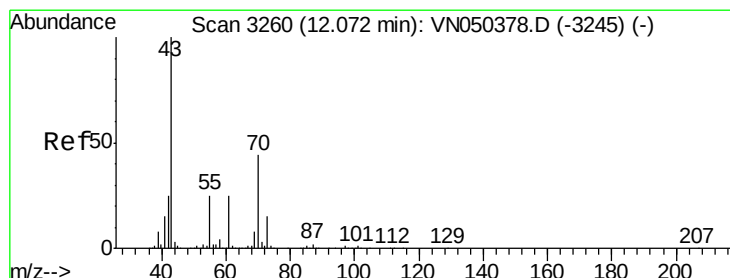
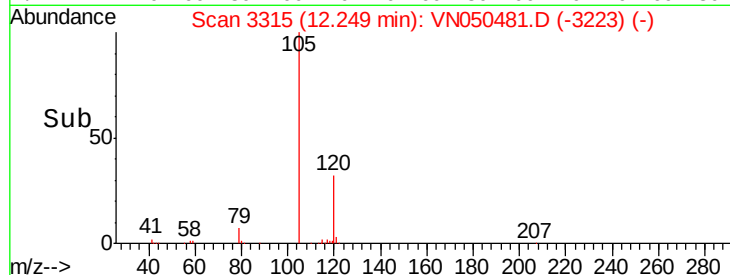
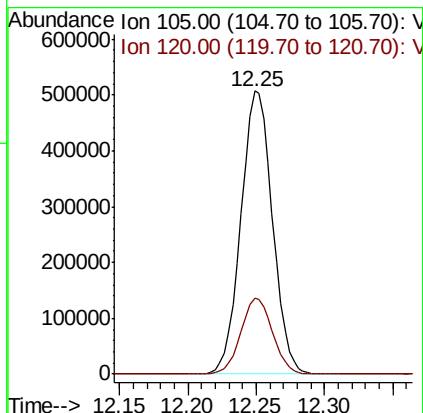
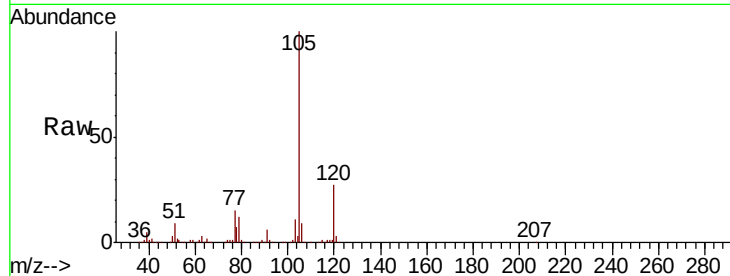
ClientSampled :

Tot Ion:105 Resp: 813722

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8



#74

N-ethyl acetate

Concen: 18.59 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Tgt Ion: 43 Resp: 223111

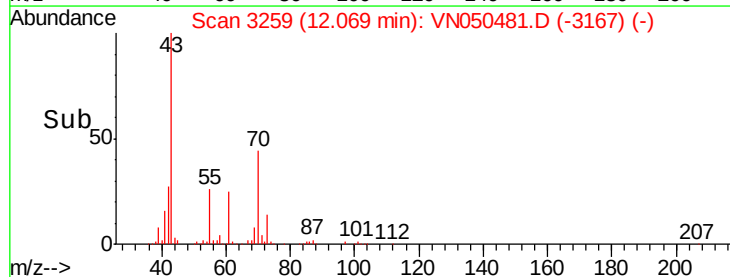
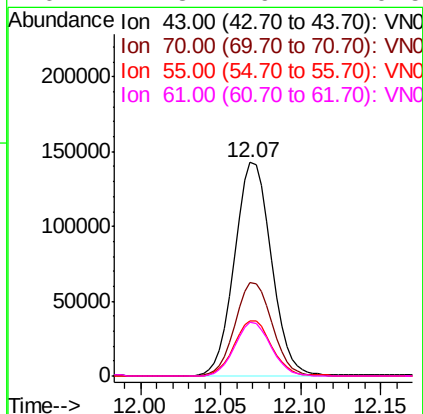
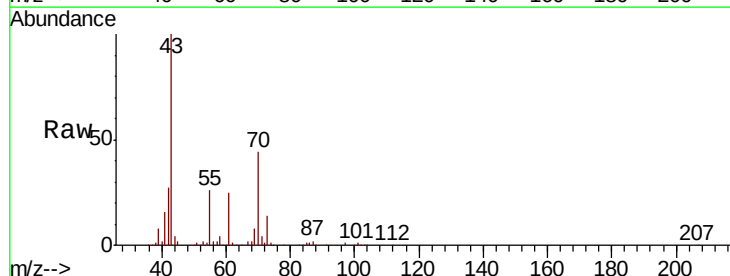
Ion Ratio Lower Upper

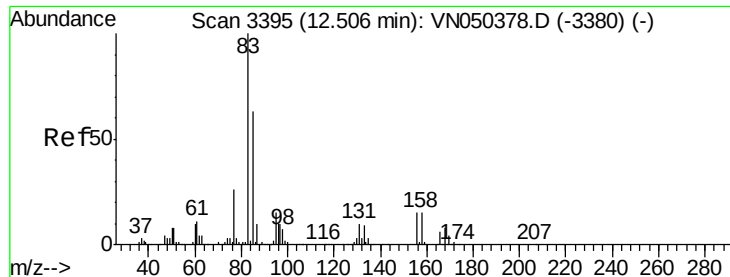
43 100

70 44.5 34.4 51.6

55 26.8 20.8 31.2

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.92 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampleId :

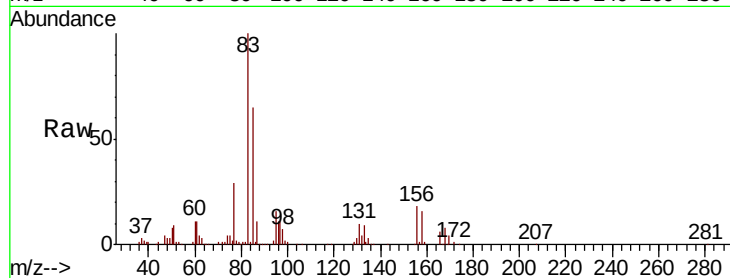
Tot Ion: 83 Resp: 212824

Ion Ratio Lower Upper

83 100

131 11.0 5.1 15.3

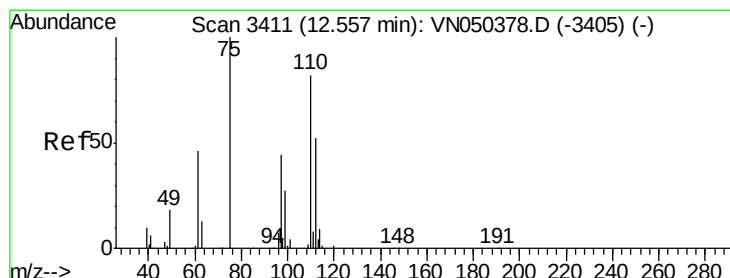
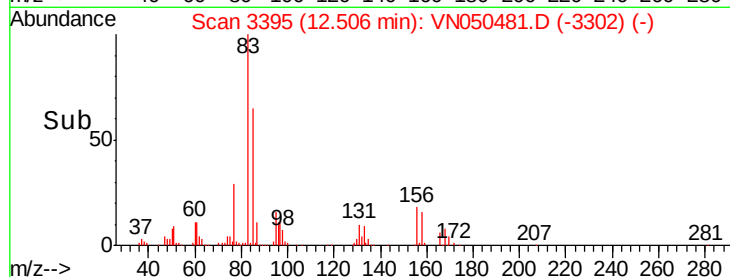
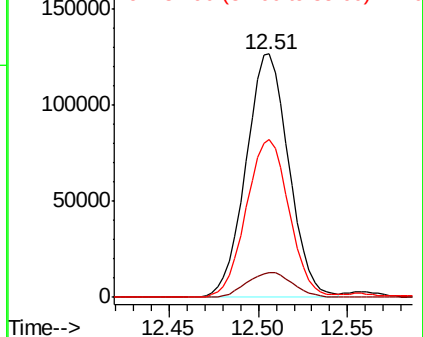
85 65.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.98 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050481.D

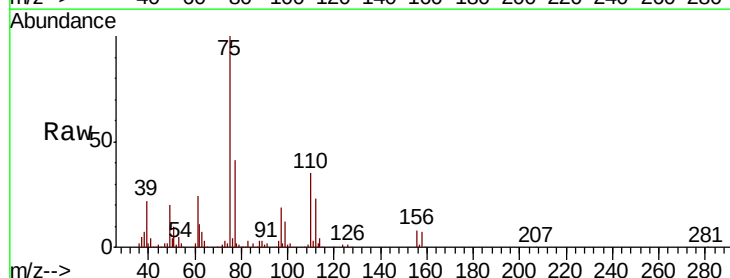
Acq: 9 Aug 2018 13:22

Tgt Ion: 75 Resp: 249789

Ion Ratio Lower Upper

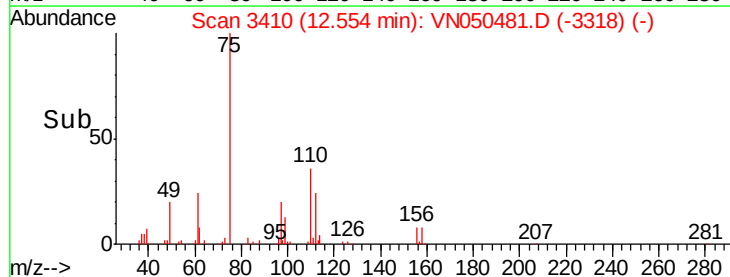
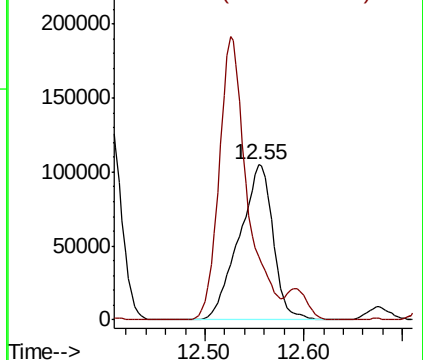
75 100

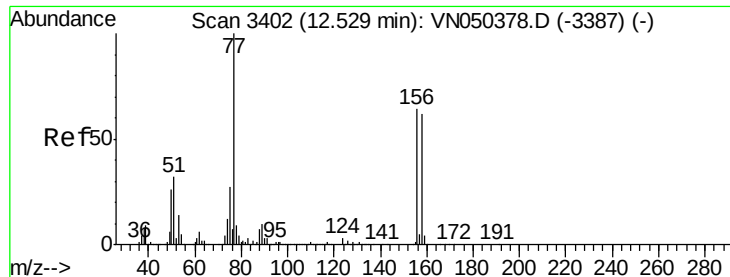
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.56 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

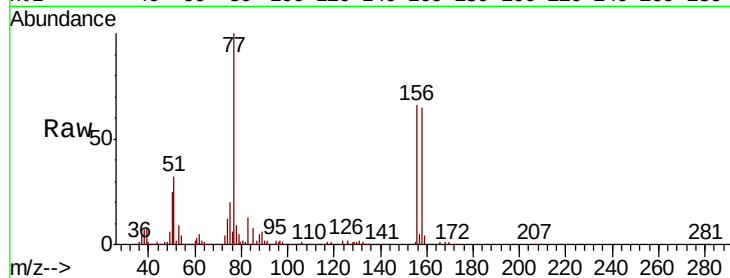
Tot Ion:156 Resp: 213874

Ion Ratio Lower Upper

156 100

77 178.6 91.7 275.1

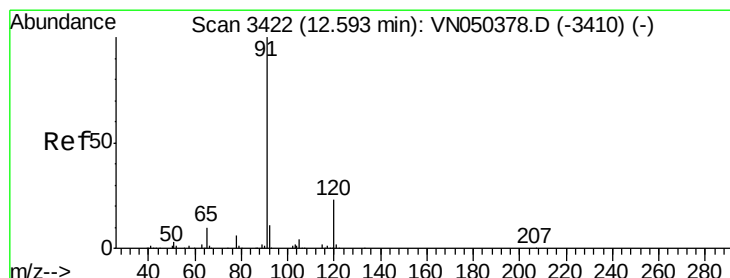
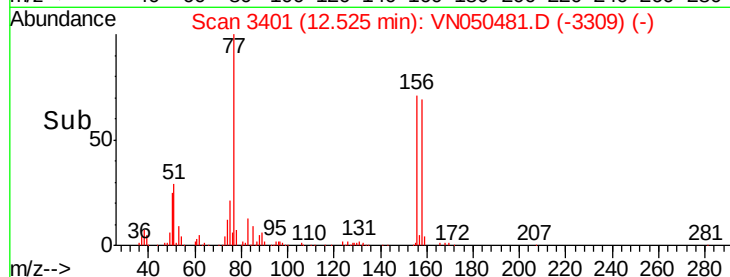
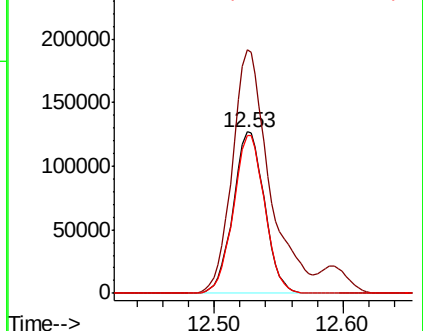
158 97.9 48.9 146.6



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: 21.53 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050481.D

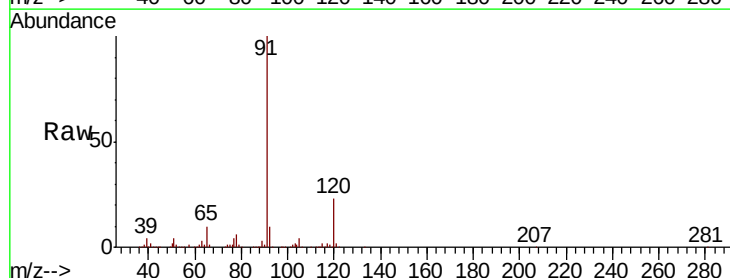
Acq: 9 Aug 2018 13:22

Tgt Ion: 91 Resp: 902442

Ion Ratio Lower Upper

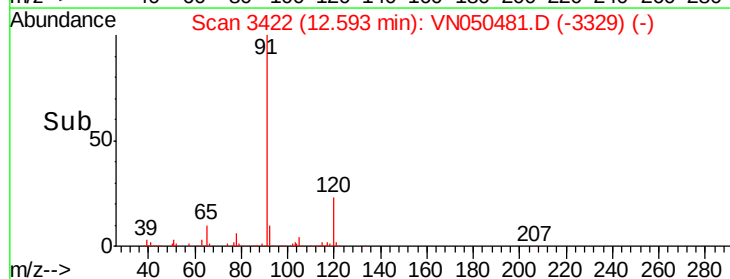
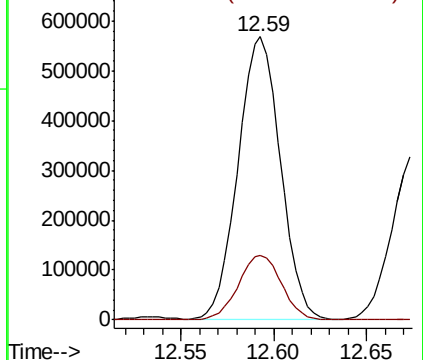
91 100

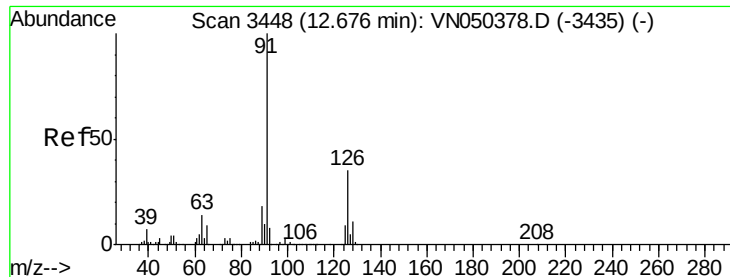
120 23.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

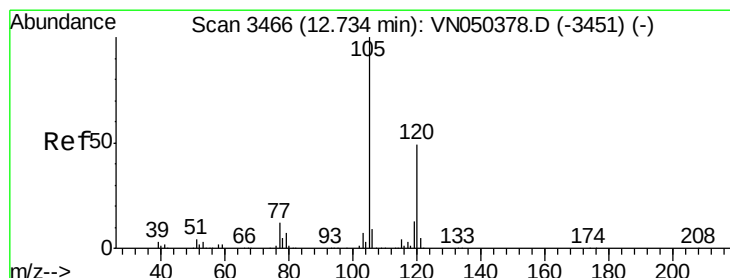
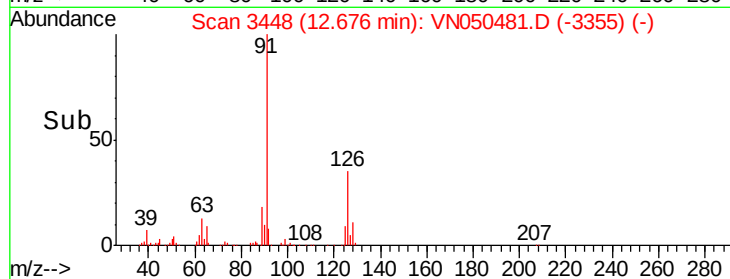
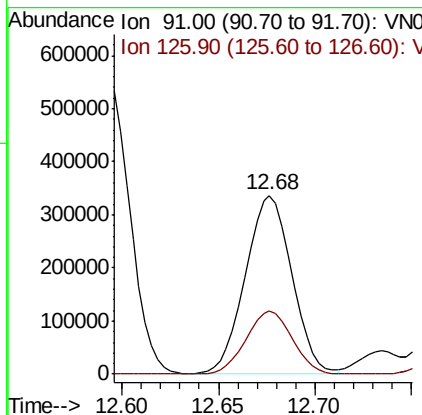
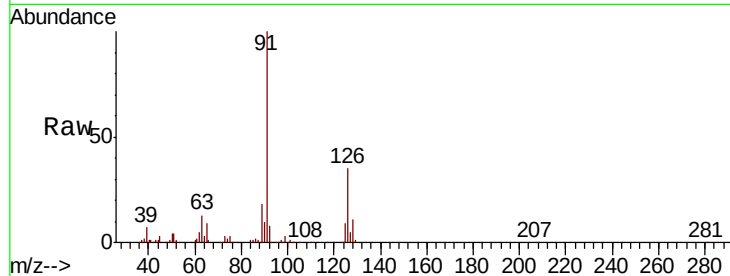




#79
 2-Chlorotoluene
 Concen: 21.66 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

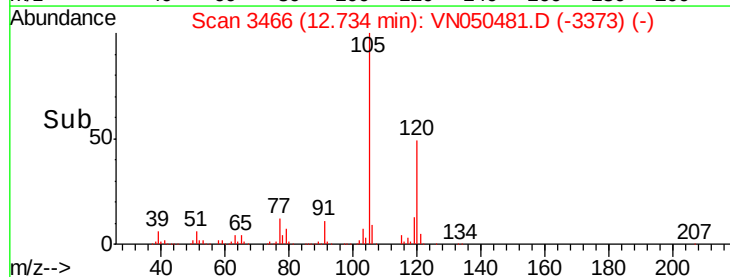
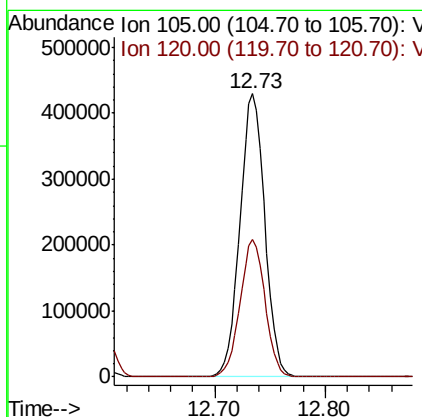
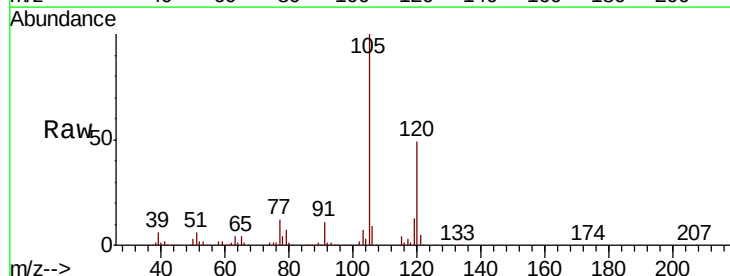
Instrument :
 MSVOA_N
 ClientSampled :

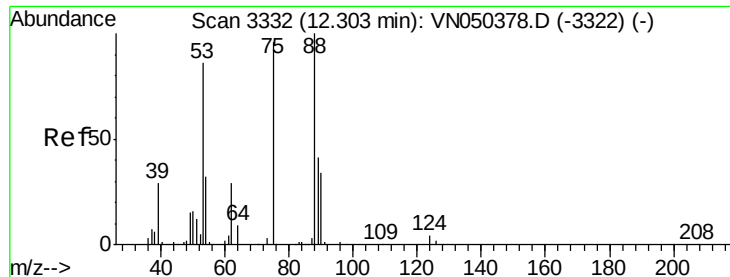
Tot Ion: 91 Resp: 560631
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 22.22 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion: 105 Resp: 667817
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.89 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

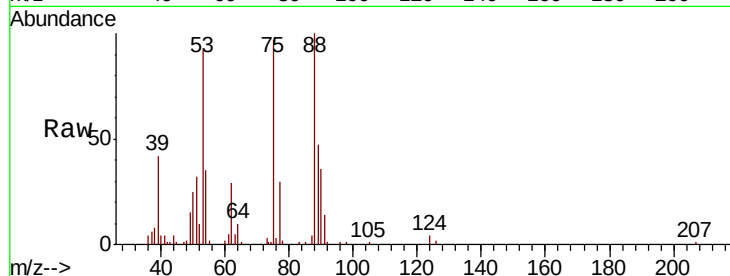
Tot Ion: 75 Resp: 47991

Ion Ratio Lower Upper

75 100

53 94.8 73.5 110.3

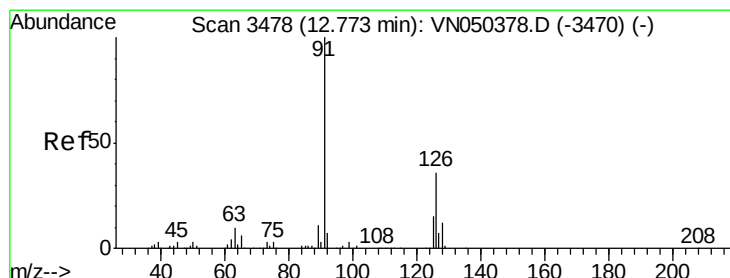
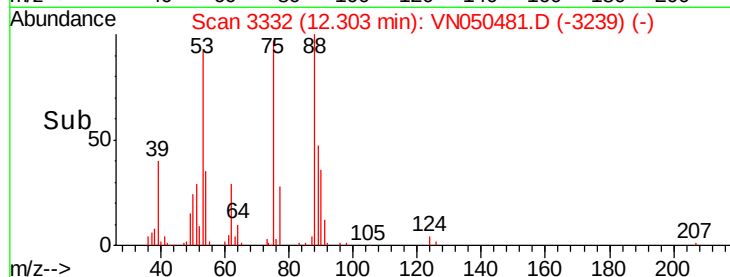
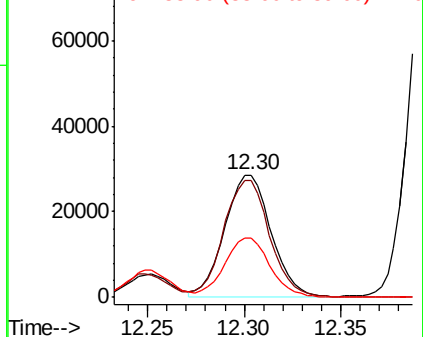
89 47.2 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.80 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050481.D

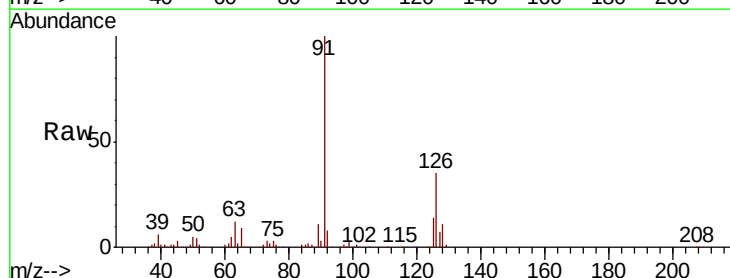
Acq: 9 Aug 2018 13:22

Tgt Ion: 91 Resp: 562592

Ion Ratio Lower Upper

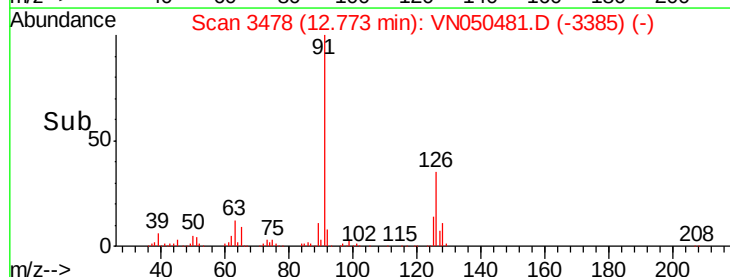
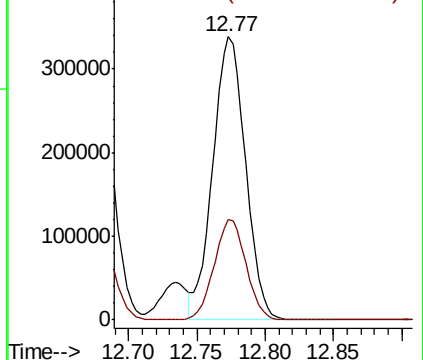
91 100

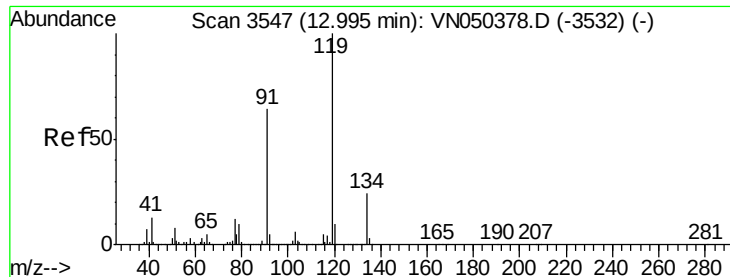
126 34.6 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

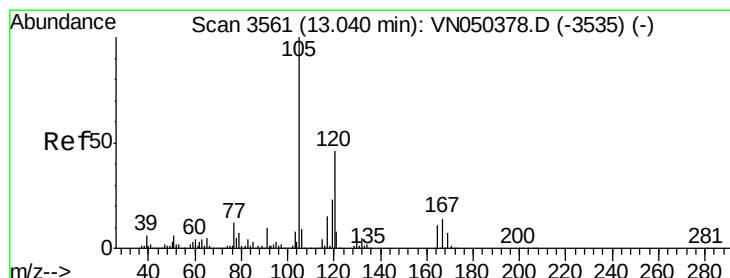
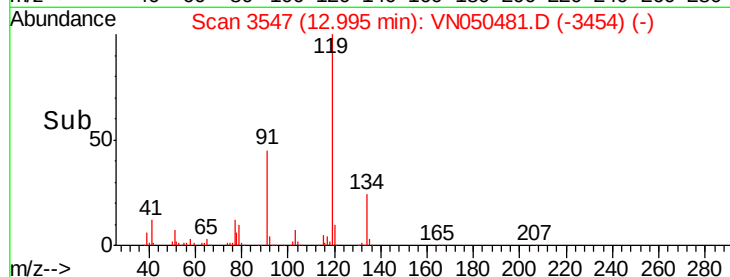
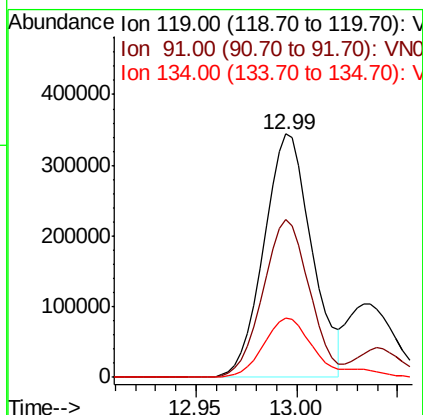
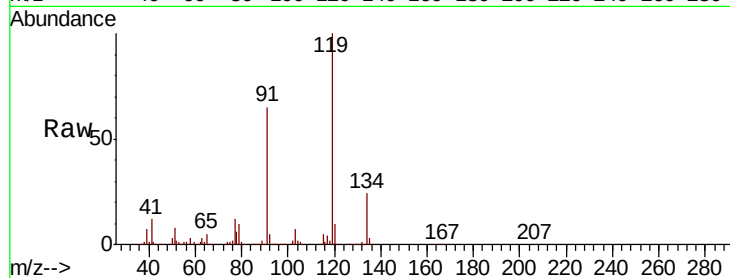




#83
 tert-Butylbenzene
 Concen: 21.67 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

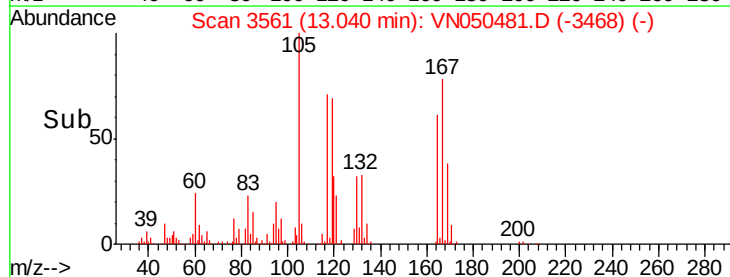
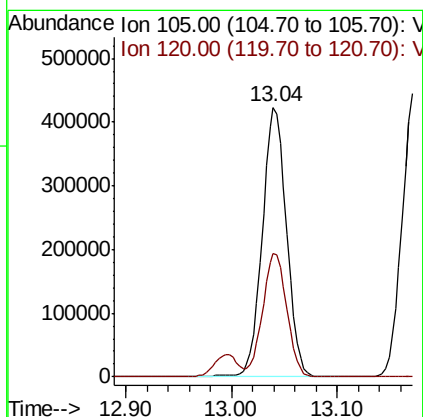
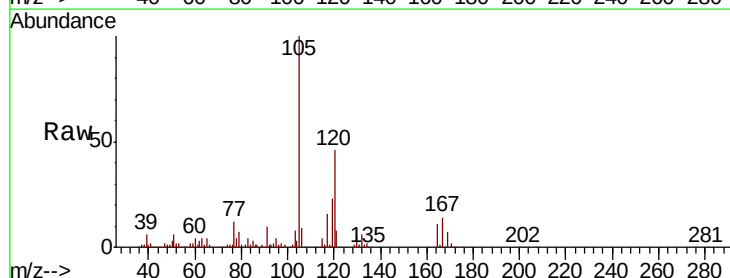
Instrument :
 MSVOA_N
 ClientSampled :

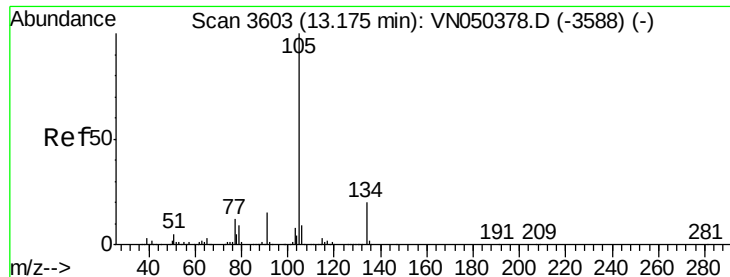
Tot Ion:119 Resp: 568049
 Ion Ratio Lower Upper
 119 100
 91 63.6 32.1 96.3
 134 24.5 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.28 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion:105 Resp: 678436
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.9 68.7





#85

sec-Butylbenzene

Concen: 21.00 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

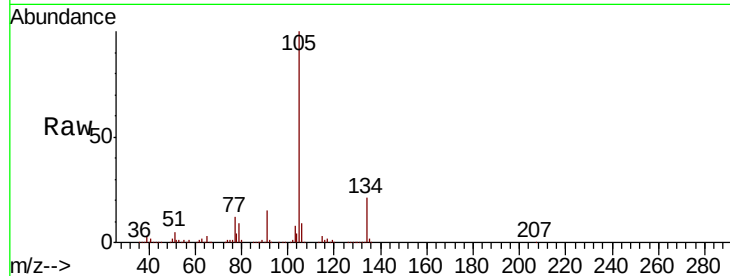
ClientSampled :

Tot Ion:105 Resp: 733813

Ion Ratio Lower Upper

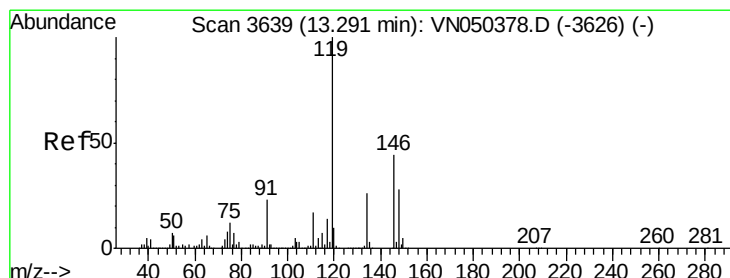
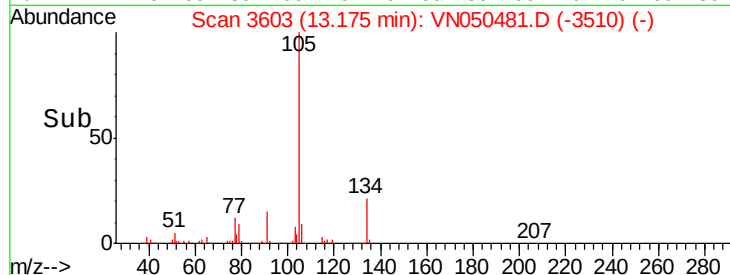
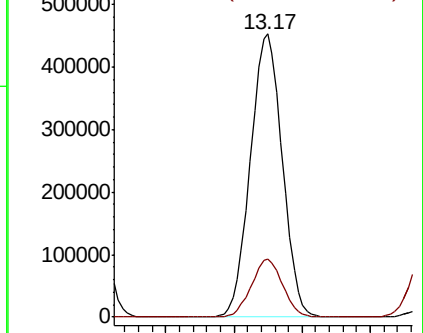
105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.08 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

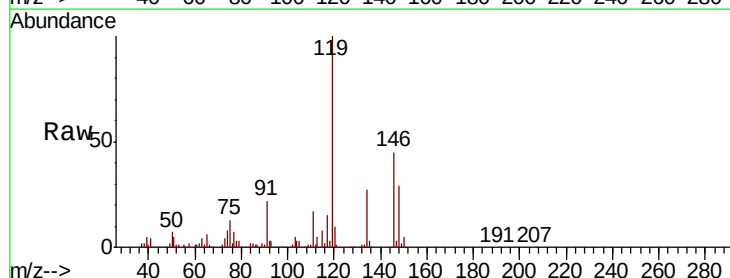
Tgt Ion:119 Resp: 631209

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

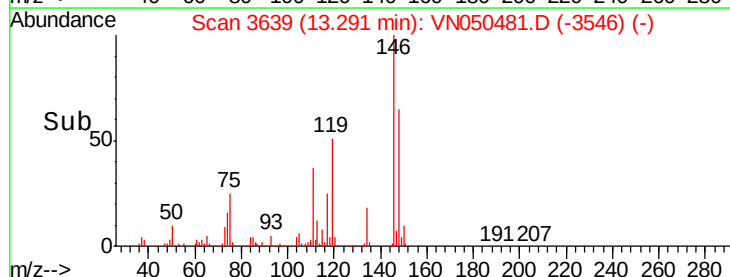
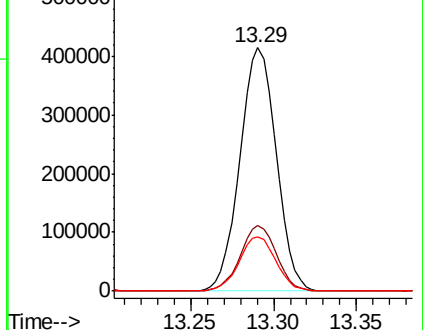
91 22.5 11.4 34.2

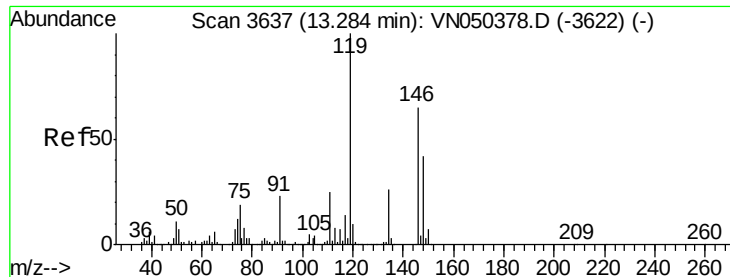


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

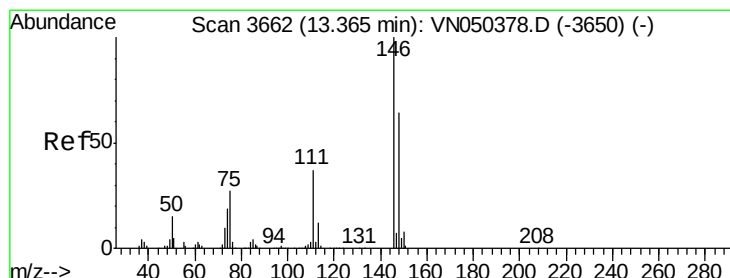
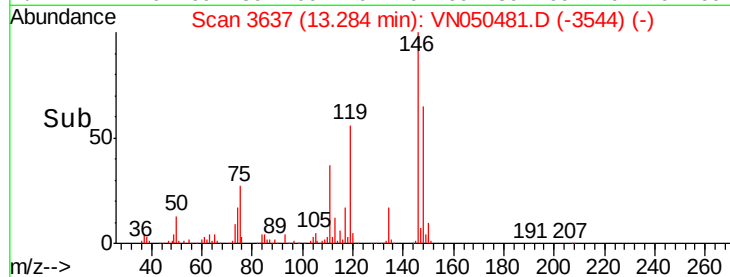
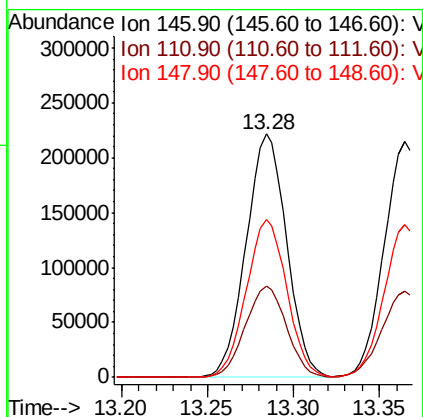
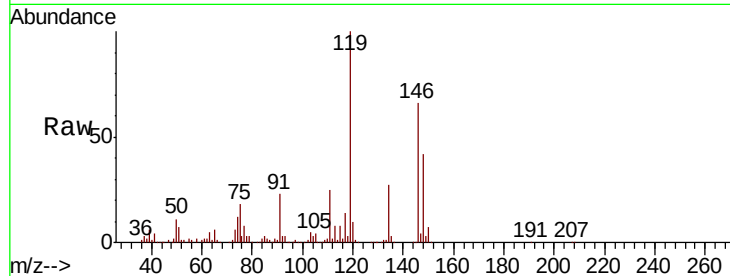




#87
 1,3-Dichlorobenzene
 Concen: 20.53 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

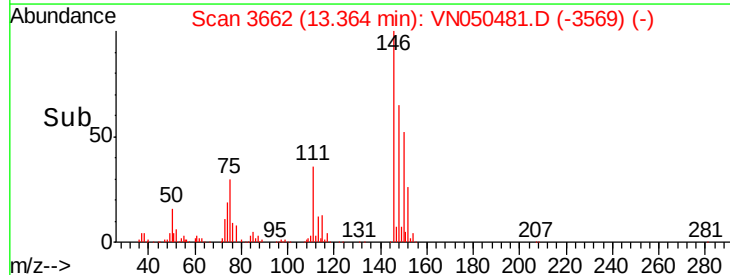
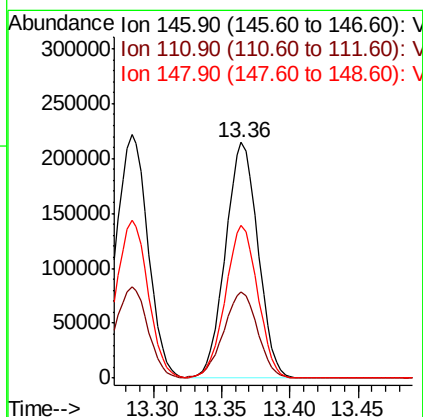
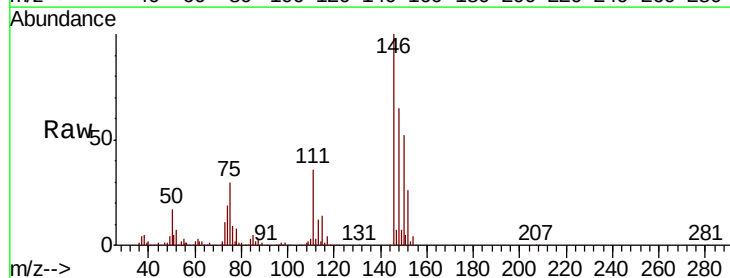
Instrument :
 MSVOA_N
 ClientSampleId :

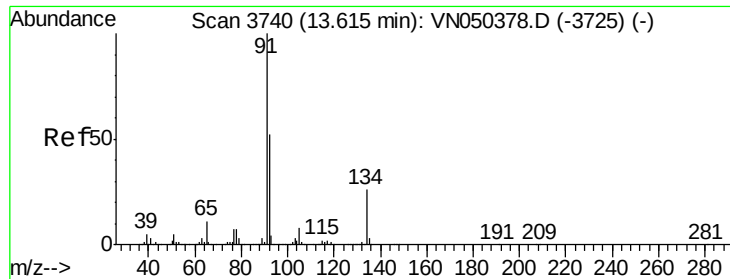
Tot Ion:146 Resp: 362746
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.8 56.4
 148 64.7 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 20.12 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion:146 Resp: 354950
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.3 54.9
 148 64.6 31.9 95.9

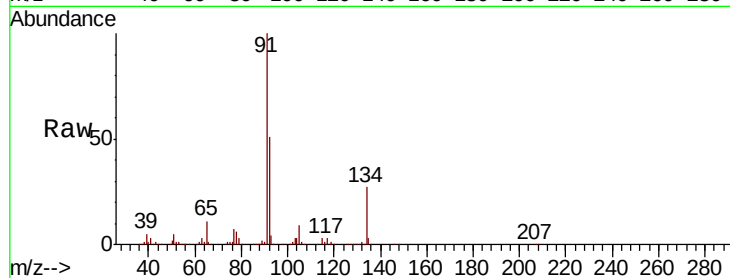




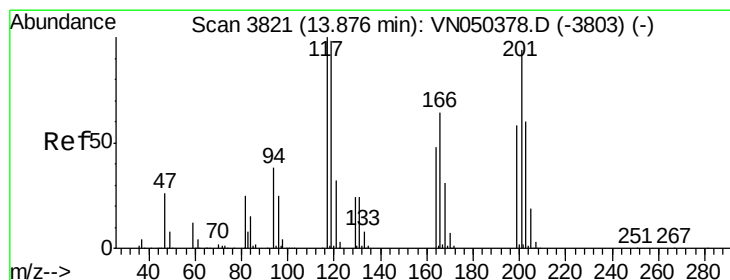
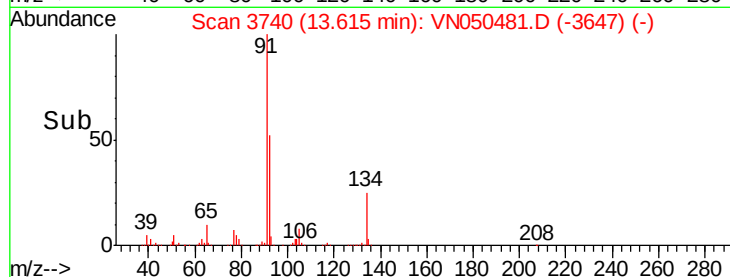
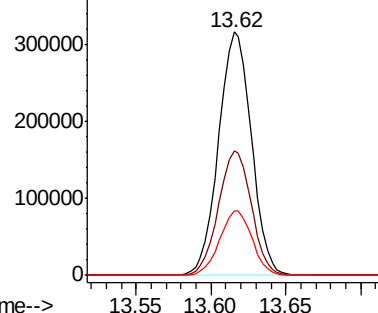
#89
n-Butylbenzene
Concen: 18.98 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	91	Resp	483953
Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.8	77.4
134	26.1	12.8	38.4

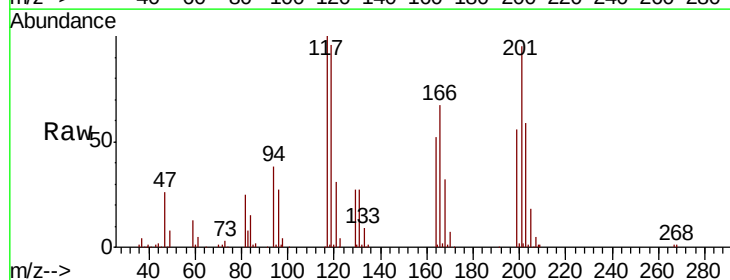


Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3725) (-)
Ion 92.00 (91.70 to 92.70): VN050378.D (-3725) (-)
Ion 134.00 (133.70 to 134.70): VN050378.D (-3725) (-)

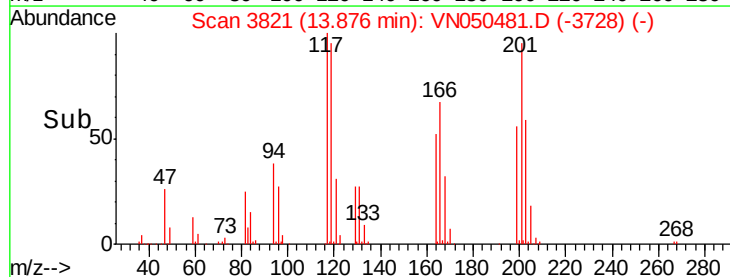
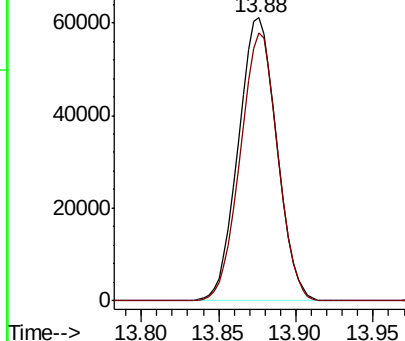


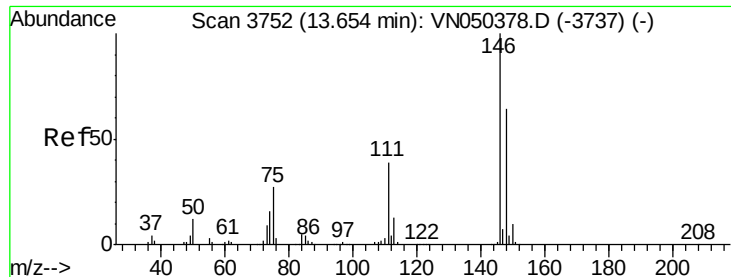
#90
Hexachloroethane
Concen: 19.84 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050481.D
Acq: 9 Aug 2018 13:22

Tgt Ion	117	Resp	105680
Ion	Ratio	Lower	Upper
117	100		
201	92.0	45.6	136.8



Abundance Ion 116.80 (116.50 to 117.50): VN050378.D (-3803) (-)
Ion 200.70 (200.40 to 201.40): VN050378.D (-3803) (-)

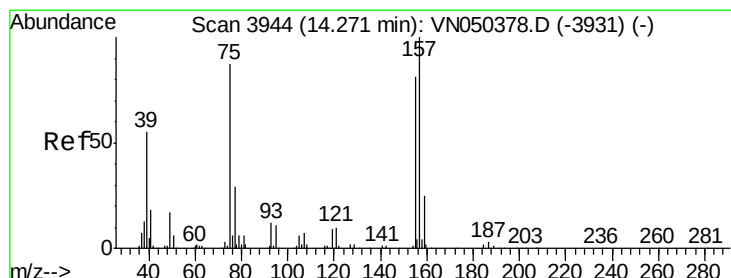
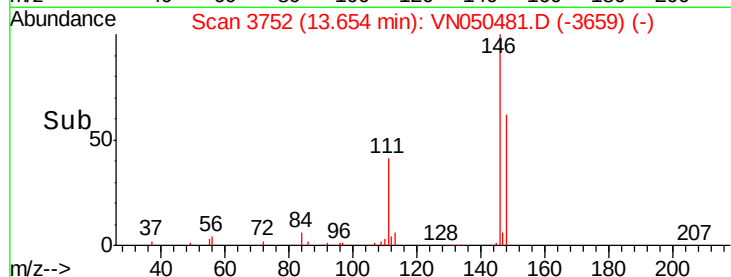
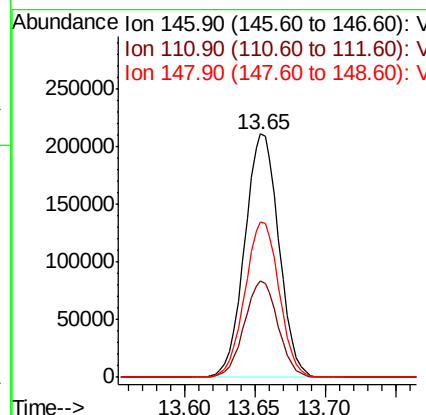
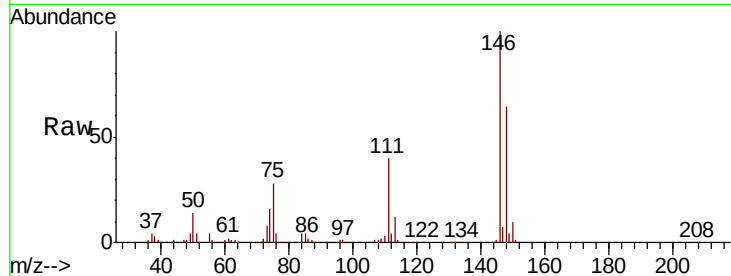




#91
 1,2-Dichlorobenzene
 Concen: 20.13 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

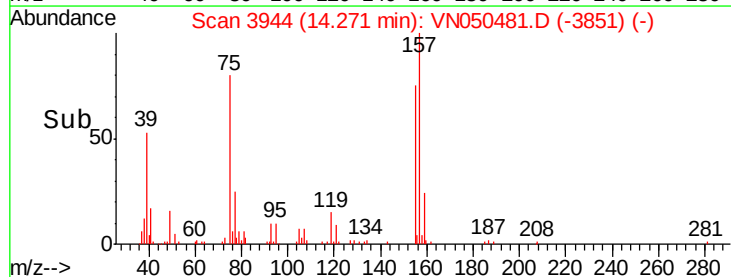
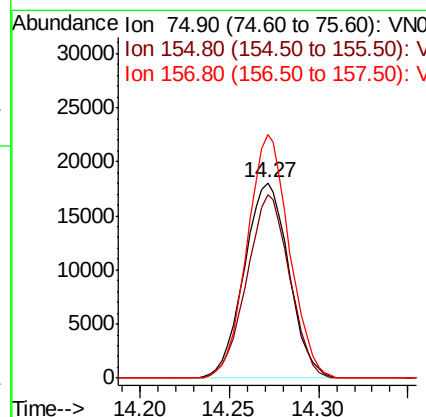
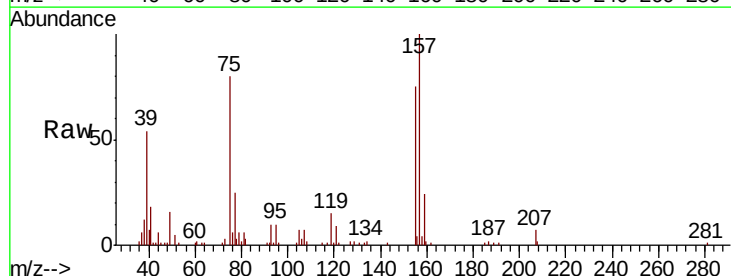
Instrument :
 MSVOA_N
 ClientSampled :

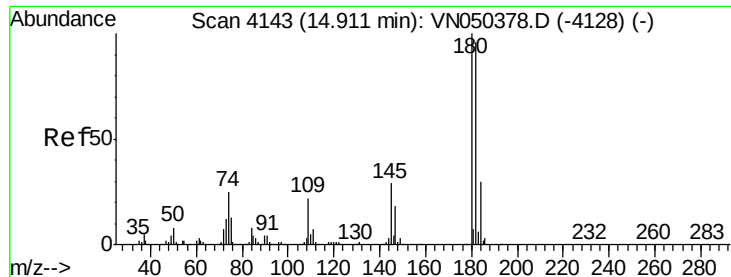
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	64.1	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.38 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	44.8	134.4
157	118.2	57.2	171.6

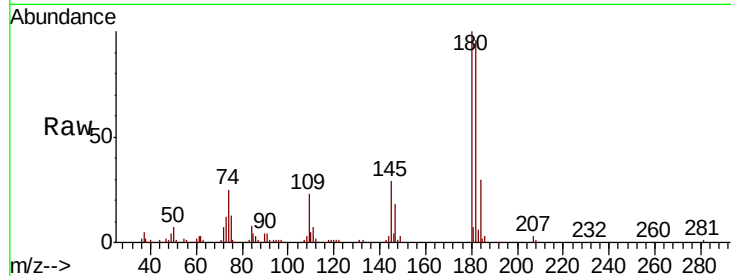




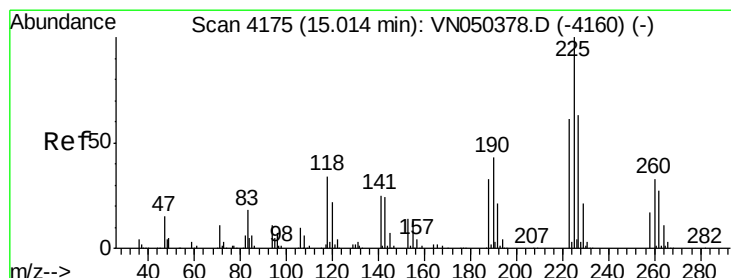
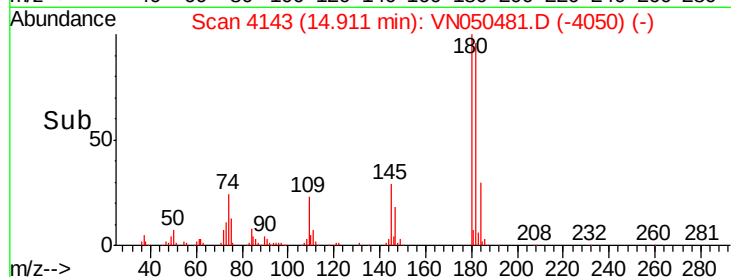
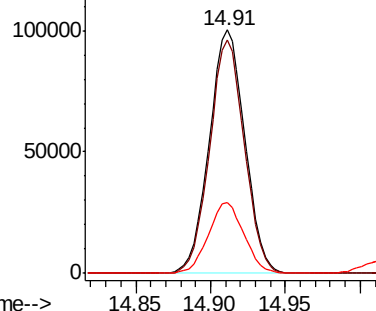
#93
 1,2,4-Trichlorobenzene
 Concen: 18.34 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 165423
 Ion Ratio Lower Upper
 180 100
 182 93.8 46.7 140.1
 145 29.2 13.8 41.4

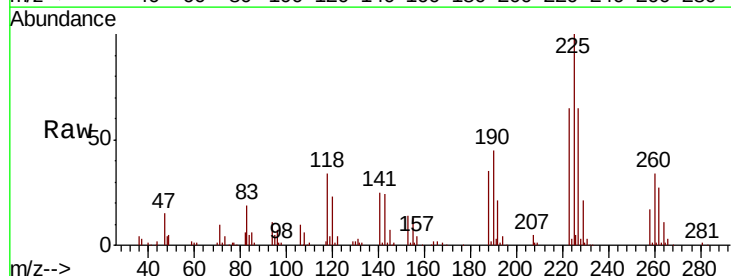


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

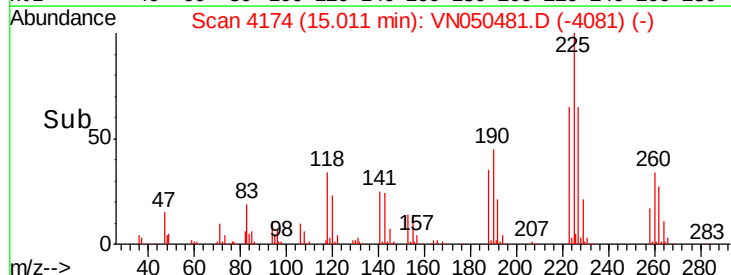
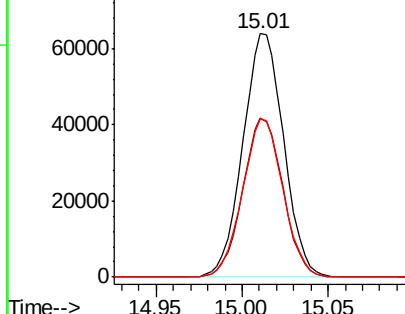


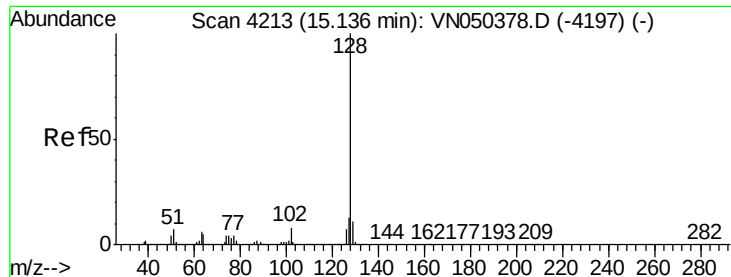
#94
 Hexachlorobutadiene
 Concen: 20.41 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050481.D
 Acq: 9 Aug 2018 13:22

Tgt Ion:225 Resp: 105367
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.4 94.2
 227 64.1 32.1 96.5



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: 17.61 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

Instrument :

MSVOA_N

ClientSampled :

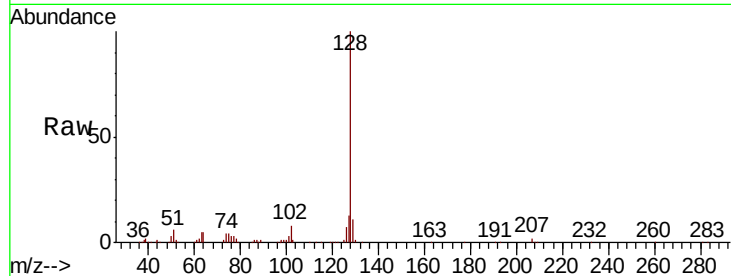
Tot Ion:128 Resp: 360285

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

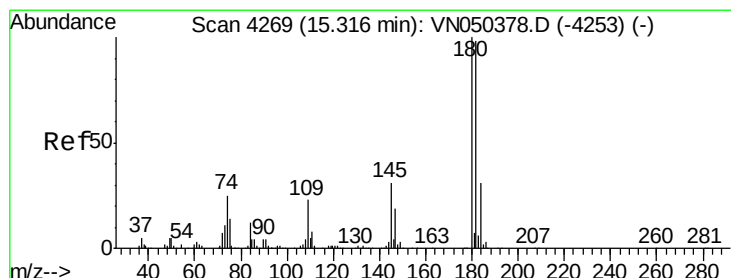
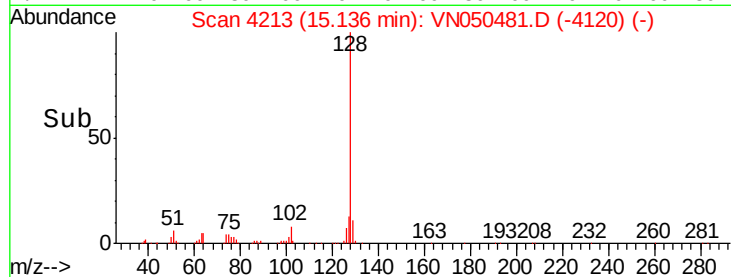
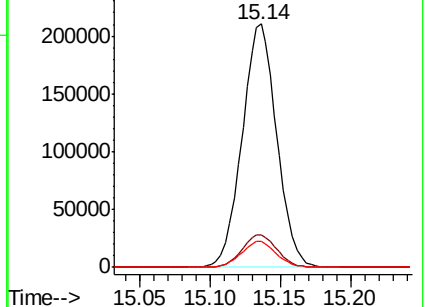
129 10.8 8.8 13.2



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: 17.61 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050481.D

Acq: 9 Aug 2018 13:22

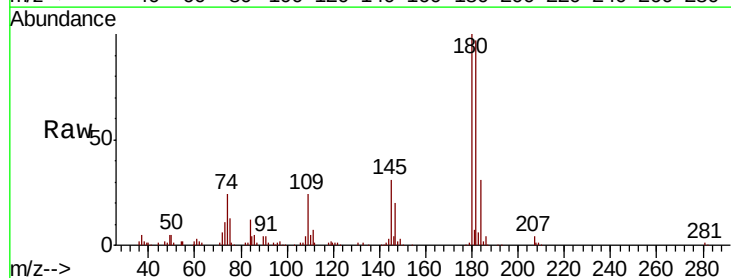
Tgt Ion:180 Resp: 160623

Ion Ratio Lower Upper

180 100

182 96.9 48.1 144.4

145 30.4 15.3 45.9



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

