

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050455.D
 Acq On : 8 Aug 2018 13:36
 Operator : MD\SY
 Sample : VN0808MBS01
 Misc : 5.00µl/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

Quant Time: Aug 08 14:40:55 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	793924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1179809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1046556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	508390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	475621	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	
35) Dibromofluoromethane	7.59	113	437045	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
50) Toluene-d8	10.09	98	1641697	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
62) 4-Bromofluorobenzene	12.40	95	543778	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	159793	18.13	ug/l	98
3) Chloromethane	2.06	50	193796	17.66	ug/l	99
4) Vinyl Chloride	2.18	62	210253	18.43	ug/l	98
5) Bromomethane	2.56	94	118111	21.45	ug/l	100
6) Chloroethane	2.70	64	129775	18.46	ug/l	99
7) Trichlorofluoromethane	3.01	101	278347	18.89	ug/l	99
8) Diethyl Ether	3.41	74	102449	18.96	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	173545	19.06	ug/l	99
10) Methyl Iodide	3.95	142	82495	20.57	ug/l	97
11) Tert butyl alcohol	4.80	59	64366	75.54	ug/l	100
12) 1,1-Dichloroethene	3.73	96	160631	18.71	ug/l	97
13) Acrolein	3.61	56	65183	70.29	ug/l	100
14) Allyl chloride	4.32	41	245863	17.84	ug/l	98
15) Acrylonitrile	5.00	53	294450	82.49	ug/l	99
16) Acetone	3.82	43	257262	81.08	ug/l	99
17) Carbon Disulfide	4.05	76	464647	16.65	ug/l	99
18) Methyl Acetate	4.33	43	143396	17.32	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	461875	18.96	ug/l	98
20) Methylene Chloride	4.55	84	185364	18.17	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	172882	18.61	ug/l	98
22) Diisopropyl ether	5.96	45	534742	18.99	ug/l	99
23) Vinyl Acetate	5.90	43	1811977	90.19	ug/l	99
24) 1,1-Dichloroethane	5.85	63	321127	18.59	ug/l	99
25) 2-Butanone	6.84	43	422040	80.29	ug/l	98
26) 2,2-Dichloropropane	6.82	77	256975	18.04	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	198261	19.26	ug/l	98
28) Bromochloromethane	7.20	49	150155	18.88	ug/l	96
29) Tetrahydrofuran	7.22	42	222710	79.16	ug/l	99
30) Chloroform	7.37	83	326166	18.88	ug/l	97
31) Cyclohexane	7.66	56	280930	18.07	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	283132	19.09	ug/l	99
36) 1,1-Dichloropropene	7.79	75	247354	19.08	ug/l	100
37) Ethyl Acetate	6.94	43	156079	16.72	ug/l	99
38) Carbon Tetrachloride	7.78	117	247408	18.30	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	258734	18.29	ug/l	96
40) Benzene	8.04	78	746347	18.73	ug/l	99
41) Methacrylonitrile	7.18	41	74121	14.93	ug/l	92
42) 1,2-Dichloroethane	8.13	62	233291	18.44	ug/l	99
43) Isopropyl Acetate	8.17	43	274719	17.05	ug/l	97
44) Trichloroethene	8.84	130	203727	19.02	ug/l	97
45) 1,2-Dichloropropane	9.12	63	191551	18.28	ug/l	98
46) Dibromomethane	9.21	93	116049	17.94	ug/l	97
47) Bromodichloromethane	9.40	83	245795	18.34	ug/l	99
48) Methyl methacrylate	9.20	41	134171	16.61	ug/l	96
49) 1,4-Dioxane	9.20	88	37987	305.11	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	967629	83.37	ug/l	98
52) Toluene	10.16	92	465472	19.44	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	246808	18.34	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	286137	19.05	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	171836	18.39	ug/l	97
56) Ethyl methacrylate	10.43	69	213361	17.29	ug/l	98
57) 1,3-Dichloropropane	10.71	76	280283	18.27	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	502287	86.46	ug/l	98
59) 2-Hexanone	10.75	43	640060	79.02	ug/l	99
60) Dibromochloromethane	10.90	129	186136	18.08	ug/l	97
61) 1,2-Dibromoethane	11.01	107	169053	18.35	ug/l	100
64) Tetrachloroethene	10.63	164	197125	20.16	ug/l	99
65) Chlorobenzene	11.44	112	504490	19.23	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	186929	19.58	ug/l	99
67) Ethyl Benzene	11.51	91	852540	20.10	ug/l	98
68) m/p-Xylenes	11.62	106	656031	40.63	ug/l	99
69) o-Xylene	11.95	106	318324	20.47	ug/l	98
70) Styrene	11.96	104	503805	19.92	ug/l	99
71) Bromoform	12.13	173	126143	18.07	ug/l #	98
73) Isopropylbenzene	12.25	105	833126	21.83	ug/l	100
74) N-amyl acetate	12.07	43	229939	18.59	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	207108	18.81	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	246923	26.83	ug/l #	100
77) Bromobenzene	12.53	156	217324	21.26	ug/l	96
78) n-propylbenzene	12.59	91	913638	21.15	ug/l	99
79) 2-Chlorotoluene	12.68	91	558832	20.95	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	669050	21.60	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50705	19.36	ug/l	99
82) 4-Chlorotoluene	12.77	91	556122	20.90	ug/l	98
83) tert-Butylbenzene	12.99	119	575342	21.29	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	686869	21.89	ug/l	99
85) sec-Butylbenzene	13.17	105	740625	20.56	ug/l	100
86) p-Isopropyltoluene	13.29	119	643404	20.84	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	360587	19.80	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	354825	19.51	ug/l	98
89) n-Butylbenzene	13.62	91	494359	18.81	ug/l	98
90) Hexachloroethane	13.88	117	106106	19.33	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	355294	19.46	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31257	16.72	ug/l	97

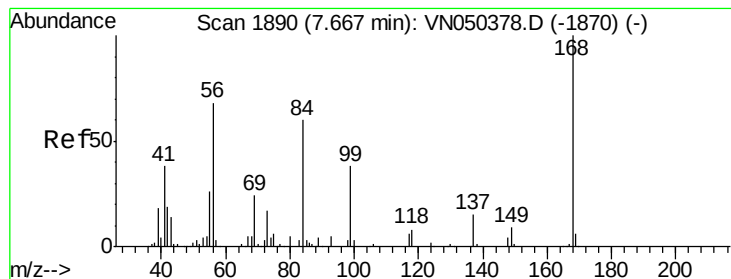
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080818\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	177277	19.07	ug/l	98
94) Hexachlorobutadiene	15.01	225	108525	20.40	ug/l	99
95) Naphthalene	15.14	128	405955	18.92	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	175316	18.65	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: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampled :

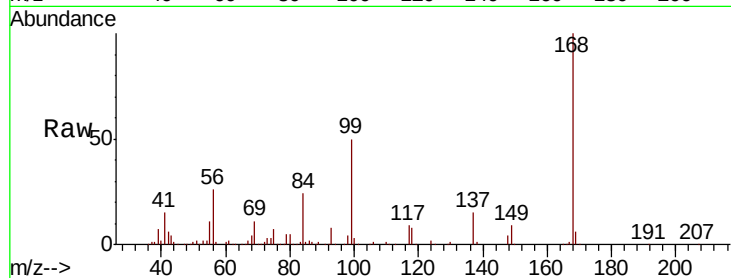
VN0808MBS01

Tot Ion:168 Resp: 793924

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

7.67

300000

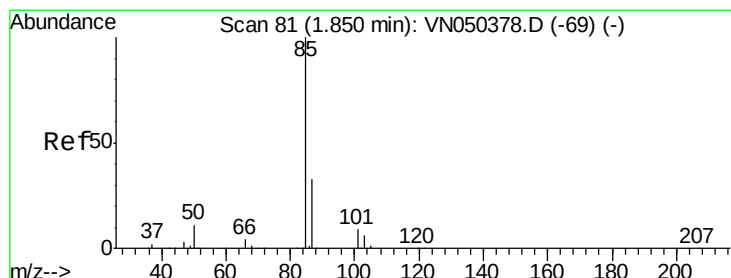
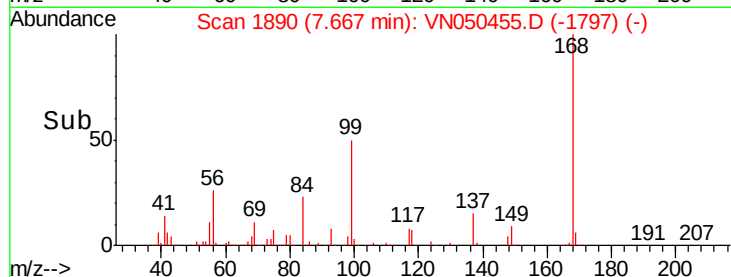
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.13 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050455.D

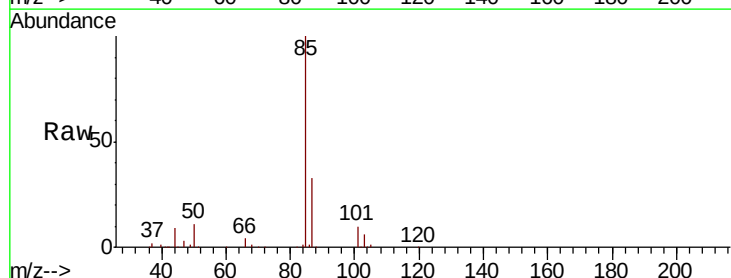
Acq: 8 Aug 2018 13:36

Tgt Ion: 85 Resp: 159793

Ion Ratio Lower Upper

85 100

87 33.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

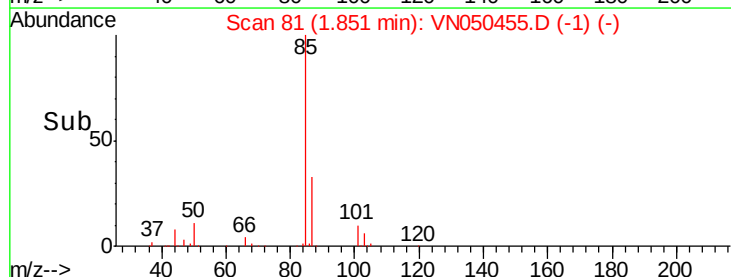
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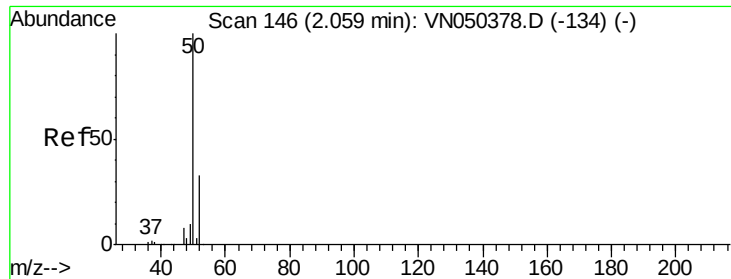
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.66 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

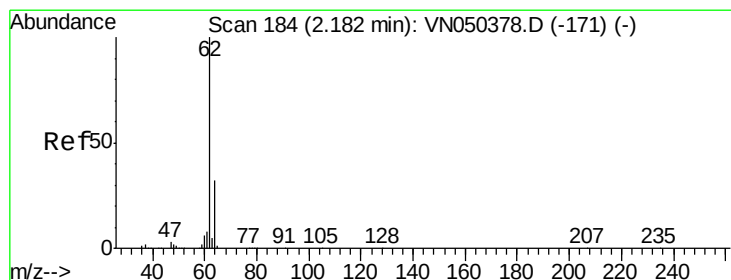
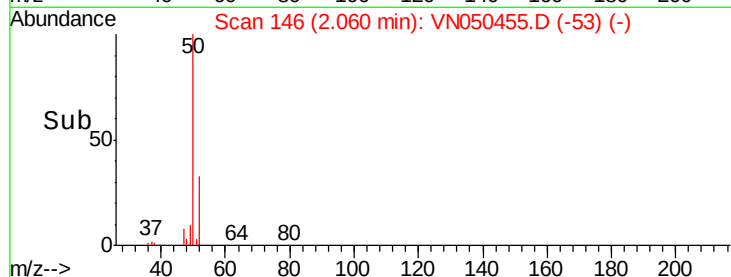
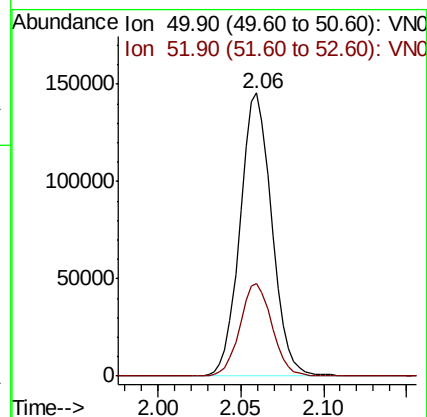
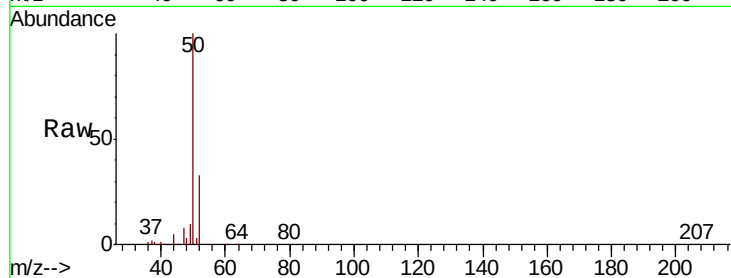
VN0808MBS01

Tot Ion: 50 Resp: 193796

Ion Ratio Lower Upper

50 100

52 33.0 25.9 38.9



#4

Vinyl Chloride

Concen: 18.43 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050455.D

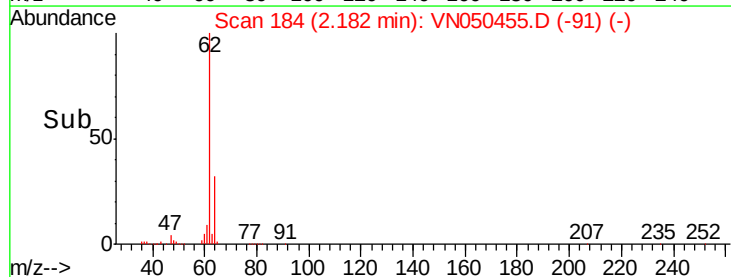
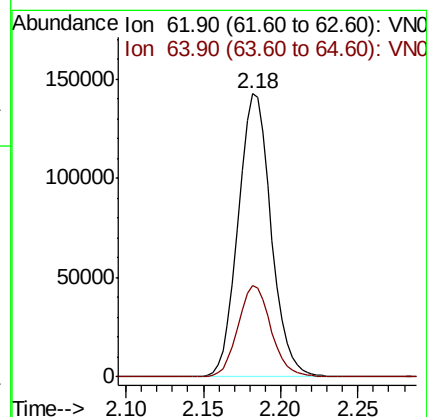
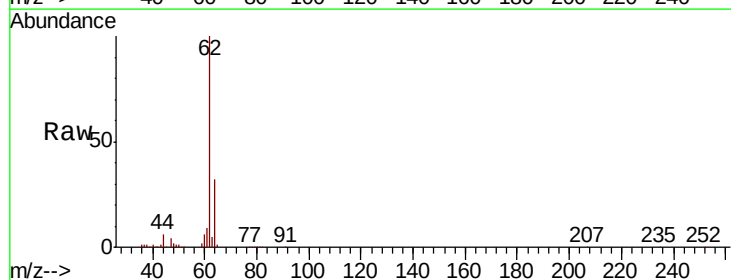
Acq: 8 Aug 2018 13:36

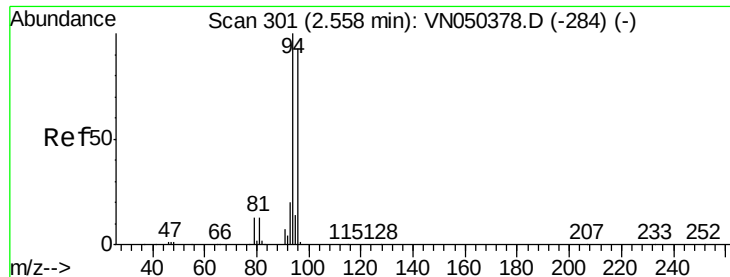
Tgt Ion: 62 Resp: 210253

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1

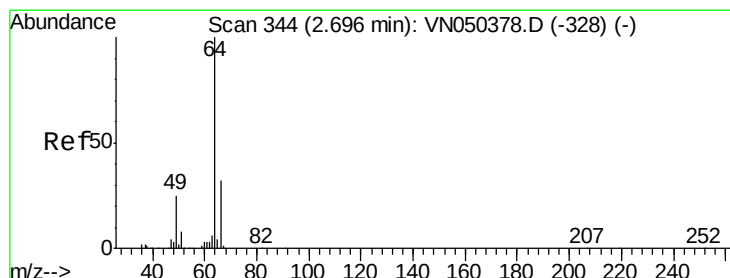
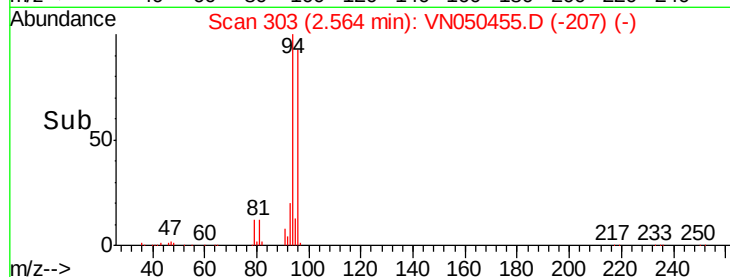
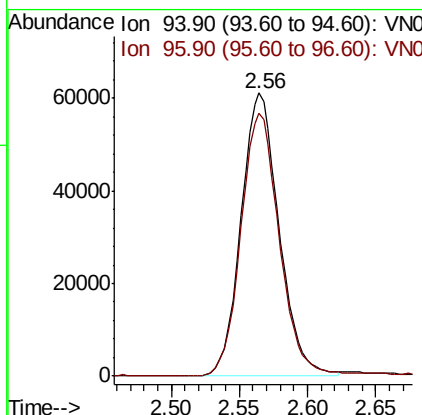
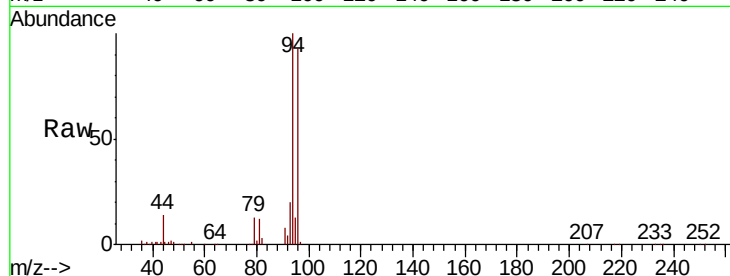




#5
 Bromomethane
 Concen: 21.45 ug/l
 RT: 2.56 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

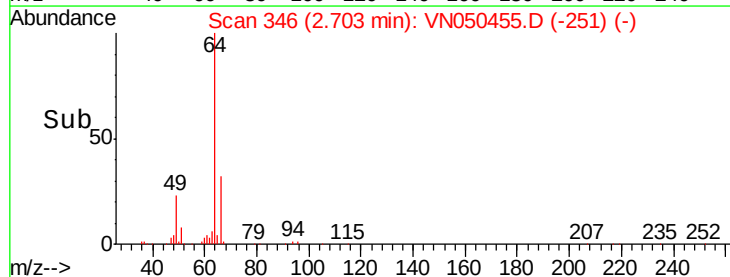
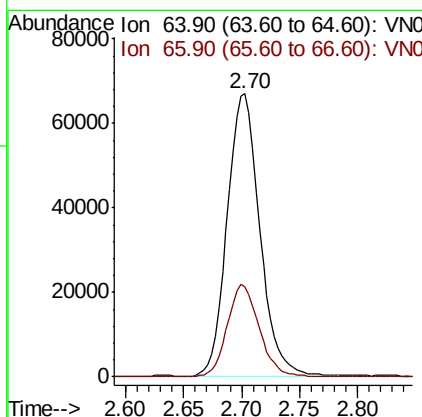
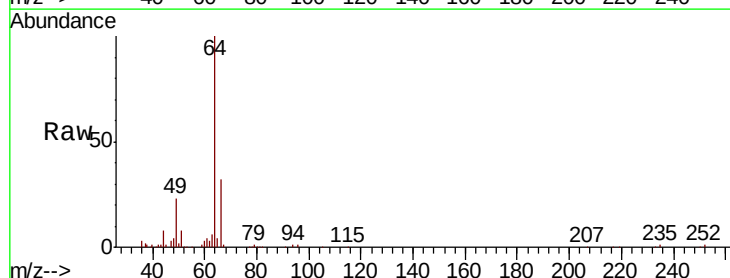
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

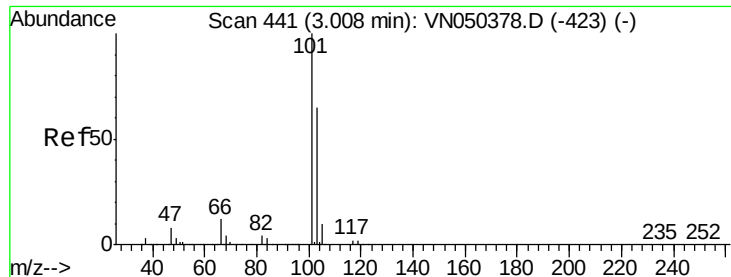
Tot Ion: 94 Resp: 118111
 Ion Ratio Lower Upper
 94 100
 96 92.9 74.6 112.0



#6
 Chloroethane
 Concen: 18.46 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion: 64 Resp: 129775
 Ion Ratio Lower Upper
 64 100
 66 32.2 25.3 37.9





#7

Trichlorofluoromethane

Concen: 18.89 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampled :

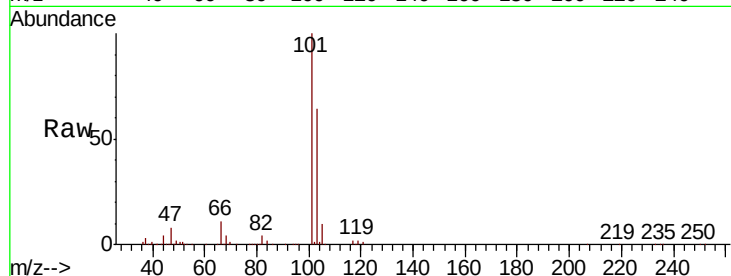
VN0808MBS01

Tot Ion:101 Resp: 278347

Ion Ratio Lower Upper

101 100

103 64.1 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

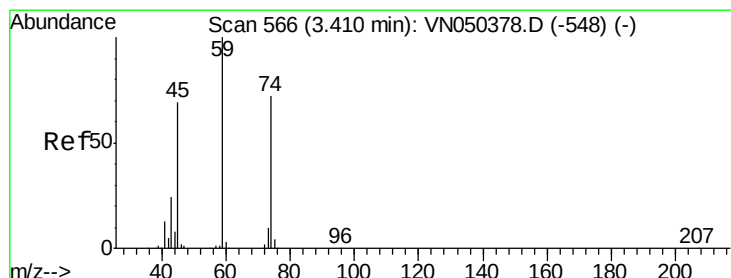
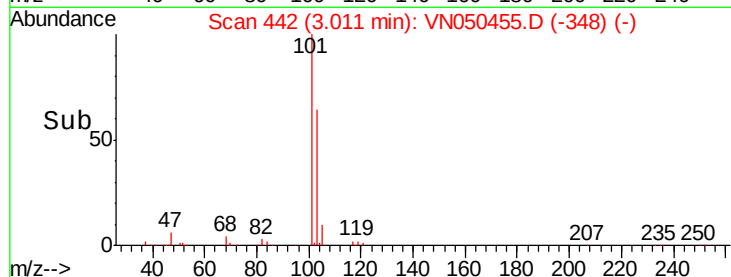
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 18.96 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050455.D

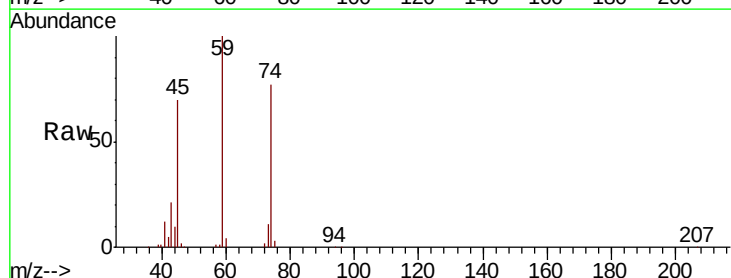
Acq: 8 Aug 2018 13:36

Tgt Ion: 74 Resp: 102449

Ion Ratio Lower Upper

74 100

45 91.7 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

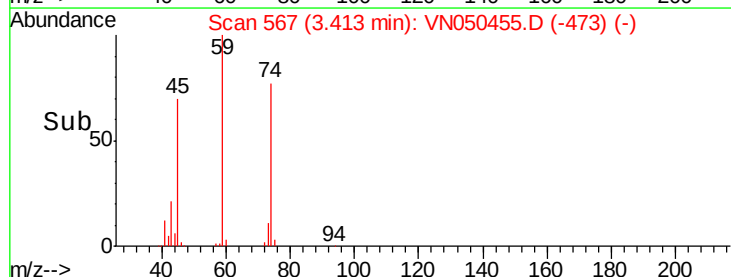
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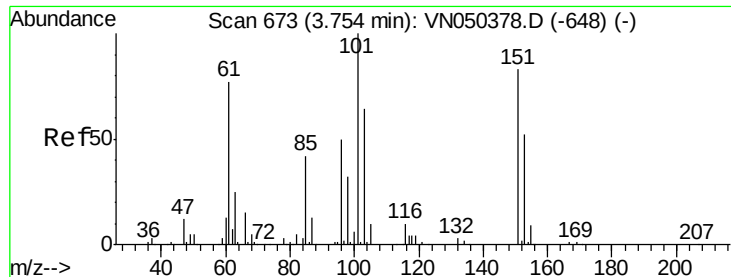
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.06 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

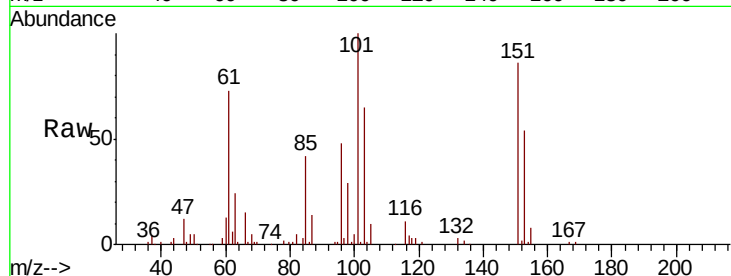
Tot Ion:101 Resp: 173545

Ion Ratio Lower Upper

101 100

85 41.2 34.2 51.2

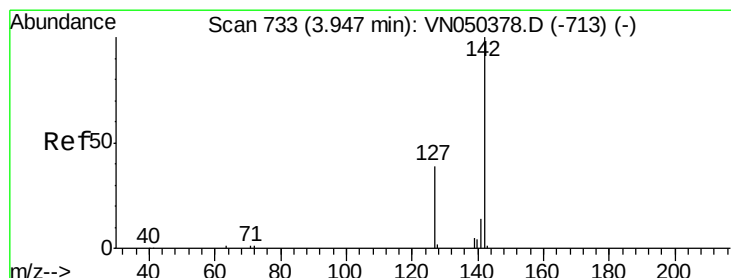
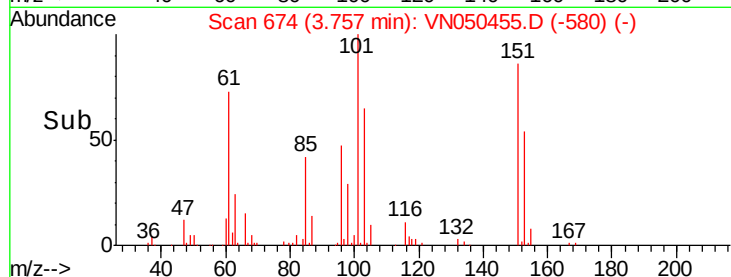
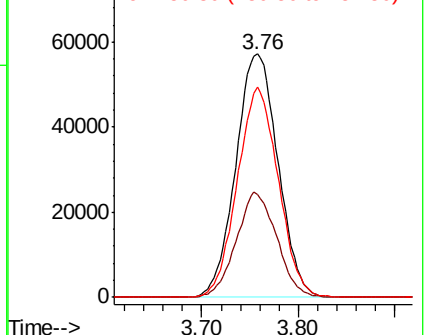
151 83.6 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.57 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

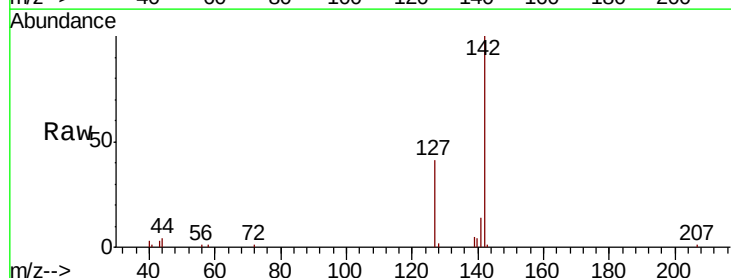
Tgt Ion:142 Resp: 82495

Ion Ratio Lower Upper

142 100

127 39.6 33.4 50.2

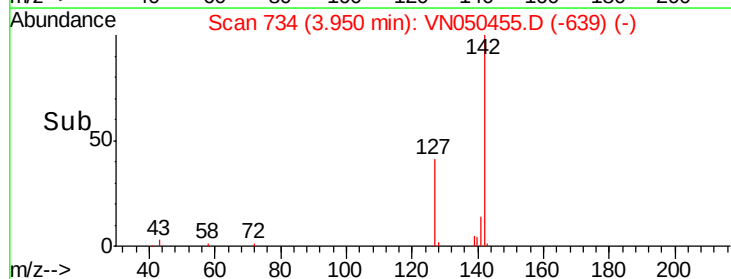
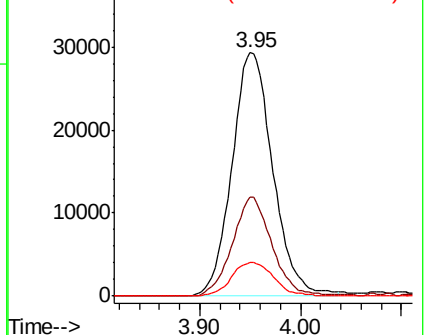
141 14.3 11.6 17.4

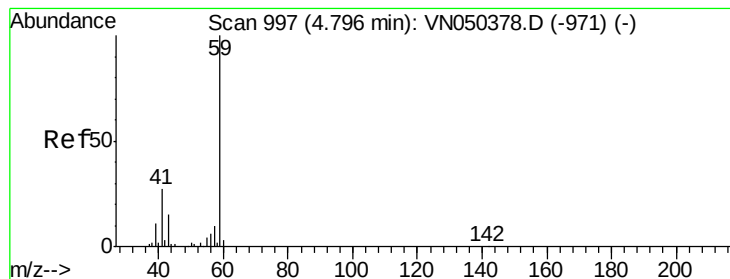


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 75.54 ug/l

RT: 4.80 min Scan# 997

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

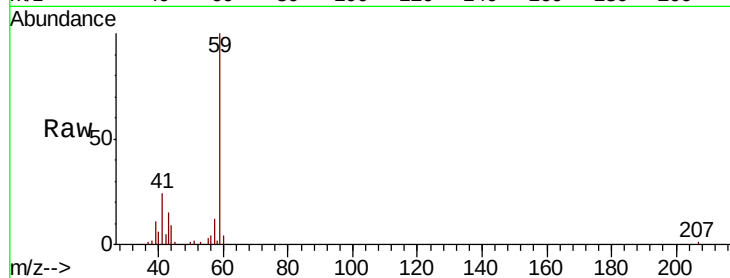
VN0808MBS01

Tot Ion: 59 Resp: 64366

Ion Ratio Lower Upper

59 100

57 10.7 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.80

20000

15000

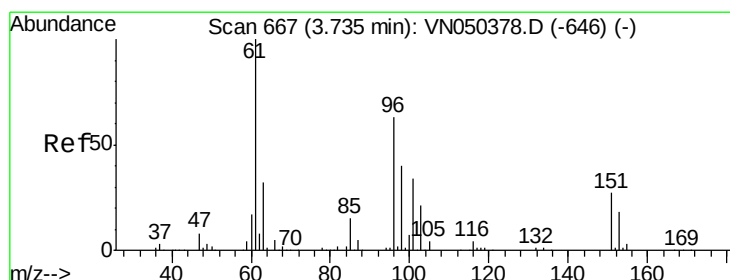
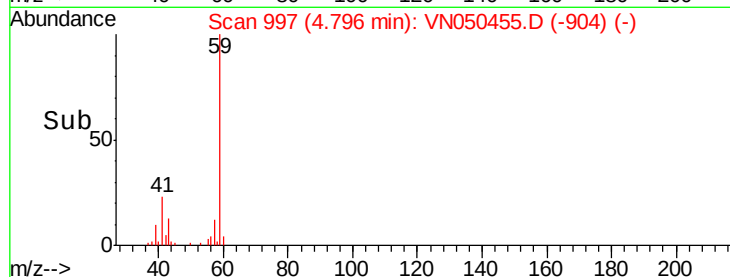
10000

5000

0

4.70 4.80 4.90

Time-->



#12

1,1-Dichloroethene

Concen: 18.71 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

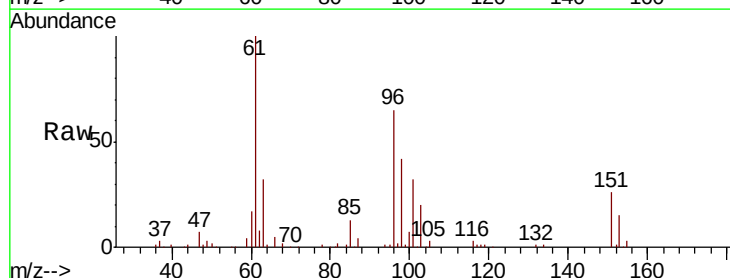
Tgt Ion: 96 Resp: 160631

Ion Ratio Lower Upper

96 100

61 153.1 124.4 186.6

98 63.9 48.3 72.5



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

120000

100000

80000

60000

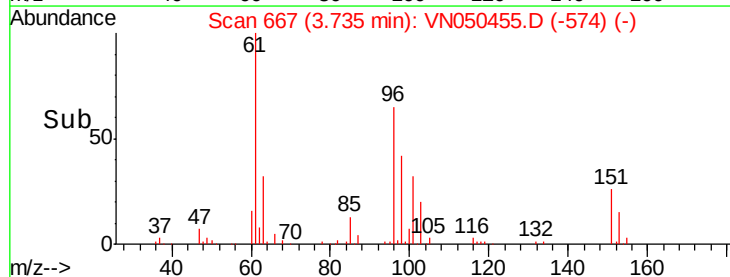
40000

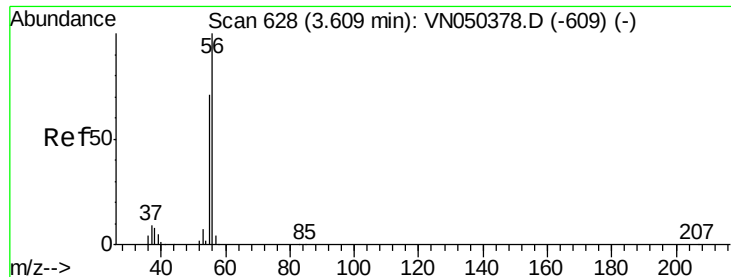
20000

0

3.60 3.70 3.80

Time-->





#13

Acrolein

Concen: 70.29 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

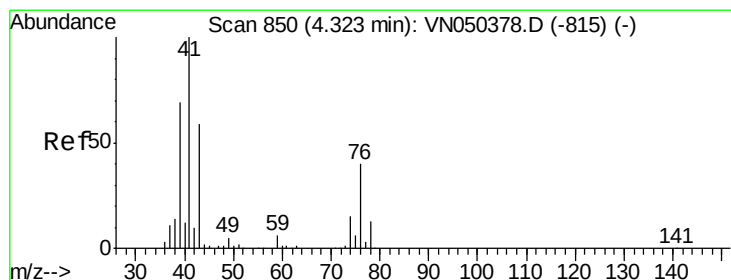
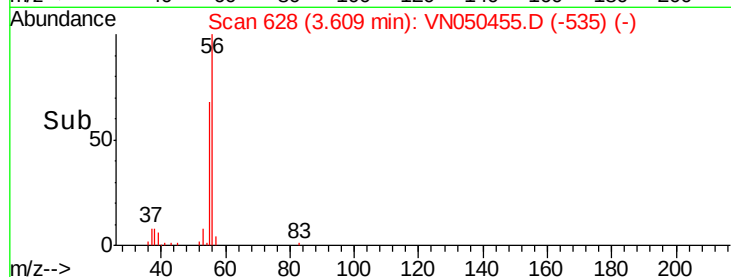
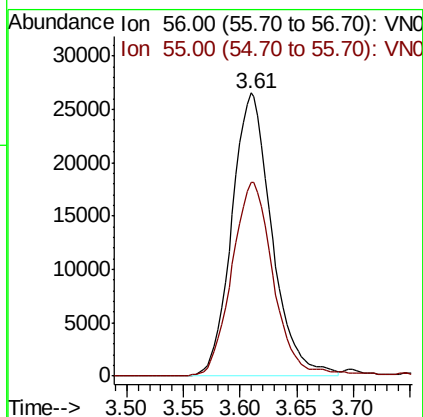
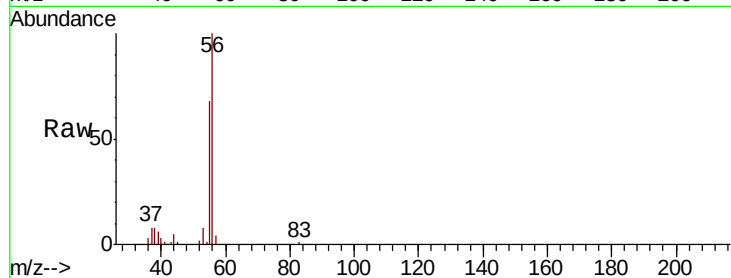
VN0808MBS01

Tot Ion: 56 Resp: 65183

Ion Ratio Lower Upper

56 100

55 69.5 55.8 83.6



#14

Allyl chloride

Concen: 17.84 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

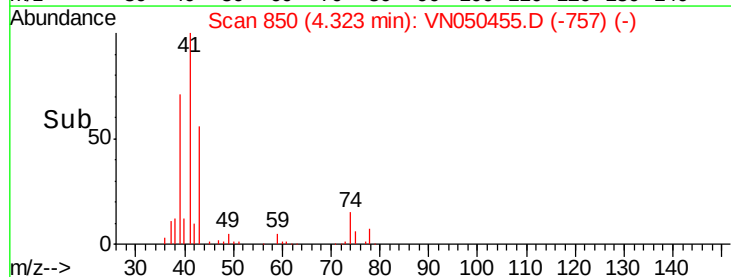
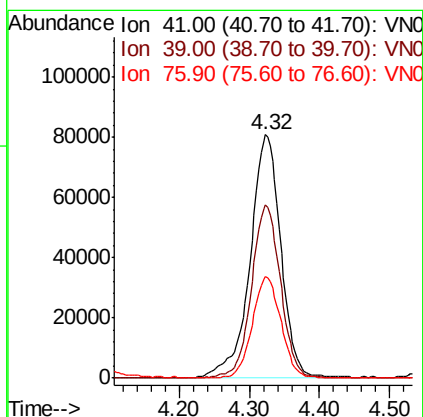
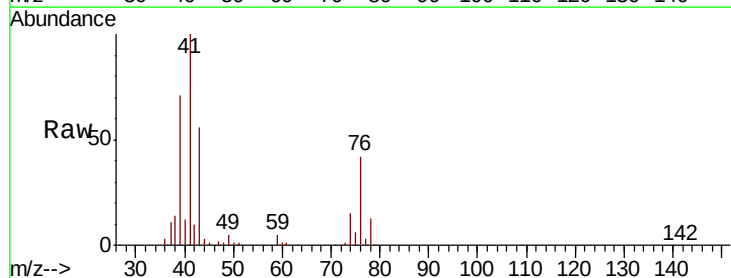
Tgt Ion: 41 Resp: 245863

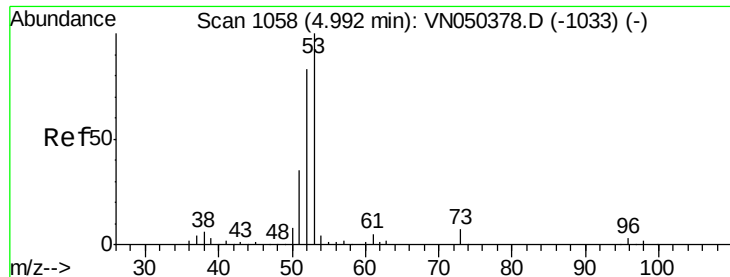
Ion Ratio Lower Upper

41 100

39 67.3 54.2 81.4

76 38.8 29.0 43.6

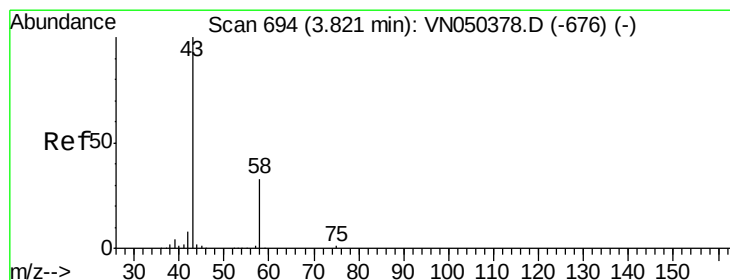
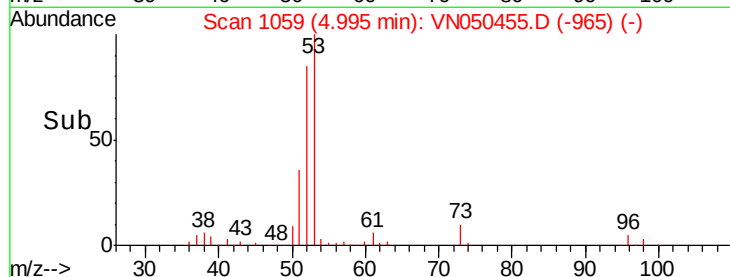
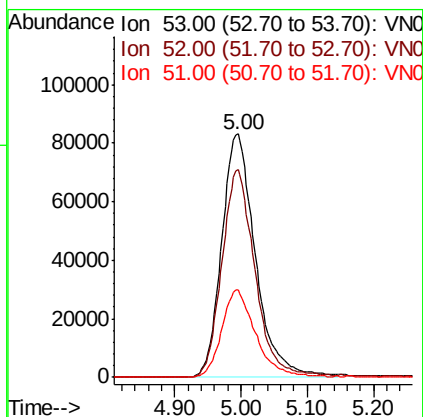
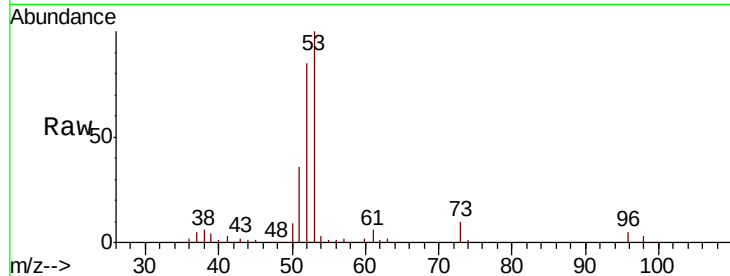




#15
 Acrylonitrile
 Concen: 82.49 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

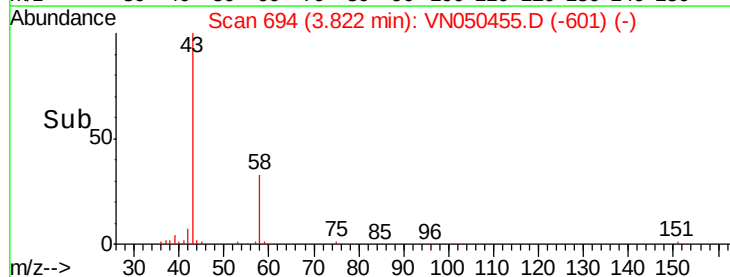
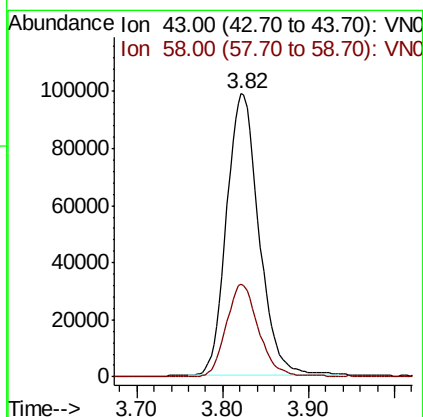
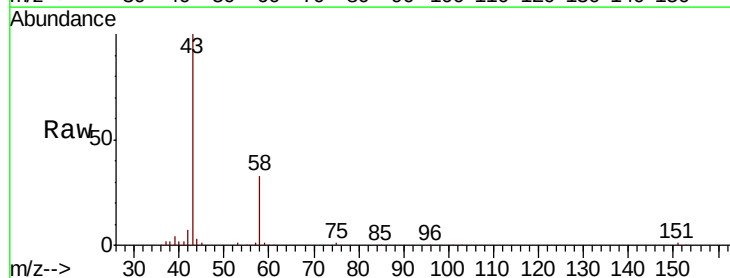
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

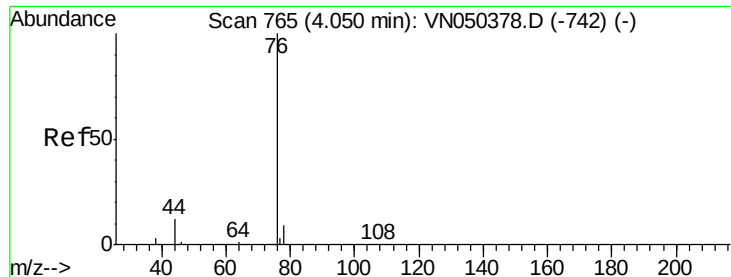
Tot Ion: 53 Resp: 294450
 Ion Ratio Lower Upper
 53 100
 52 83.8 66.2 99.2
 51 36.2 29.3 43.9



#16
 Acetone
 Concen: 81.08 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion: 43 Resp: 257262
 Ion Ratio Lower Upper
 43 100
 58 33.0 25.8 38.8





#17

Carbon Disulfide

Concen: 16.65 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

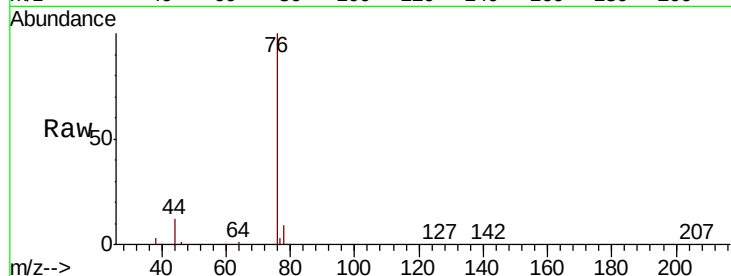
VN0808MBS01

Tot Ion: 76 Resp: 464647

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

200000

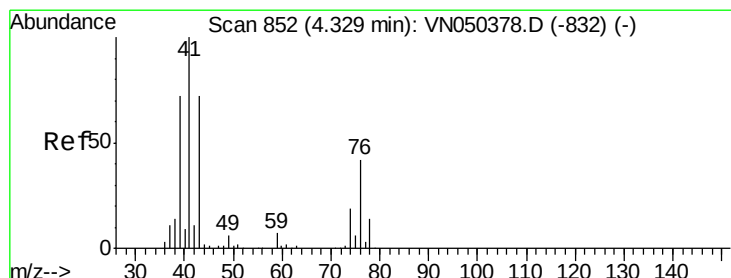
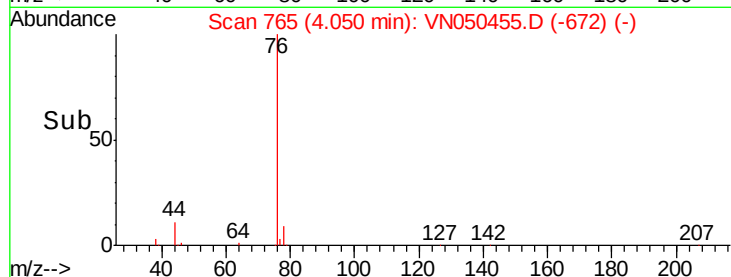
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 17.32 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050455.D

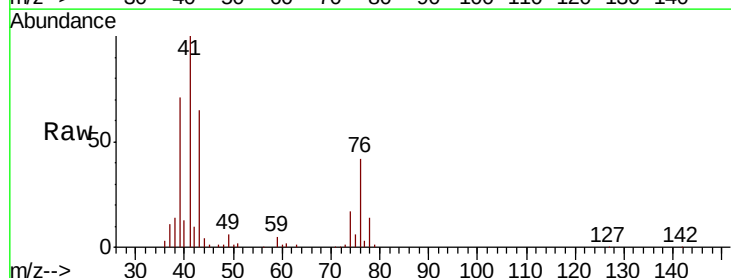
Acq: 8 Aug 2018 13:36

Tgt Ion: 43 Resp: 143396

Ion Ratio Lower Upper

43 100

74 25.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

50000

40000

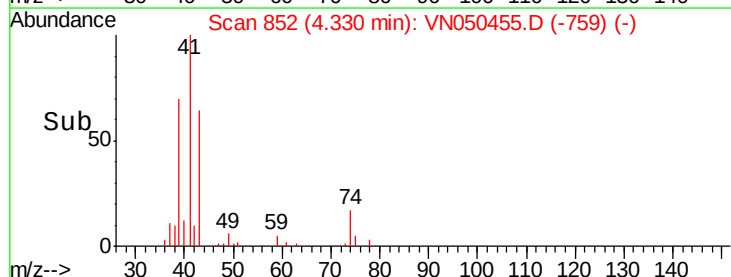
30000

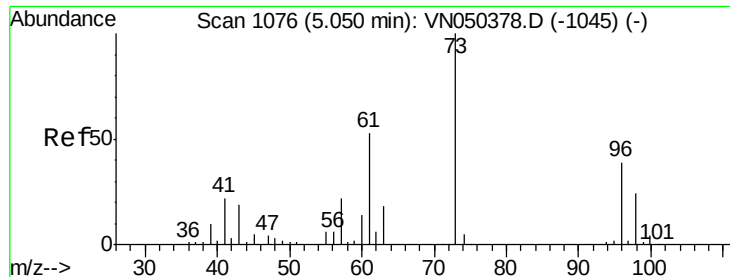
20000

10000

0

Time-->

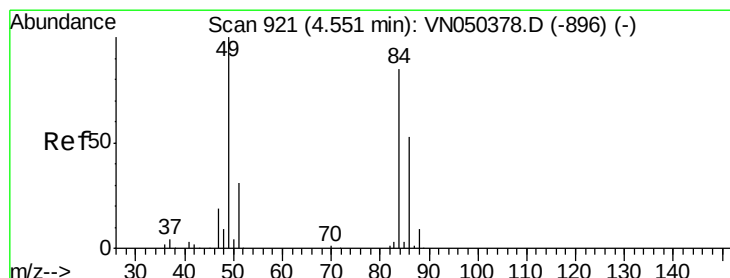
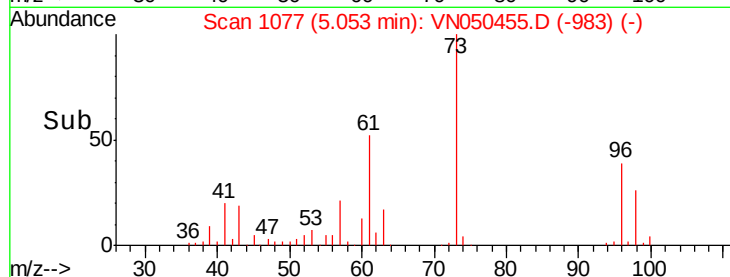
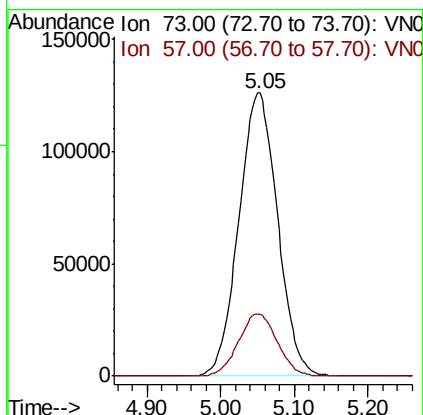
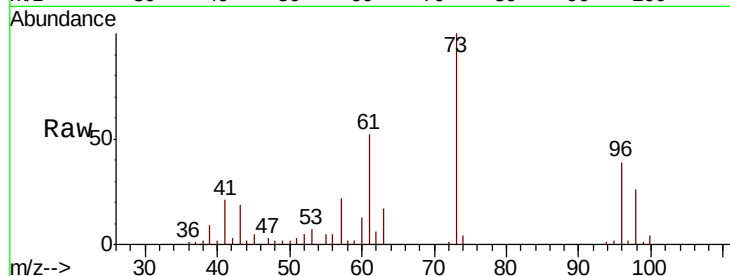




#19
Methvl tert-butvl Ether
Concen: 18.96 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

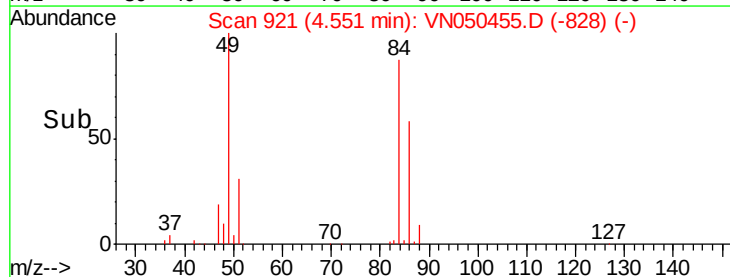
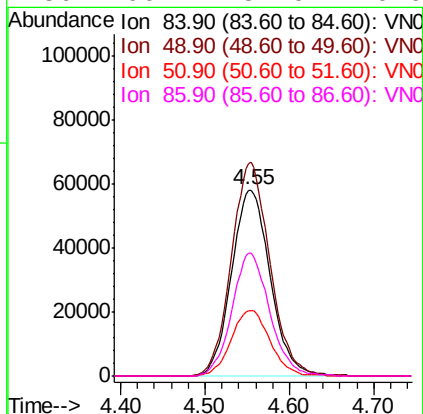
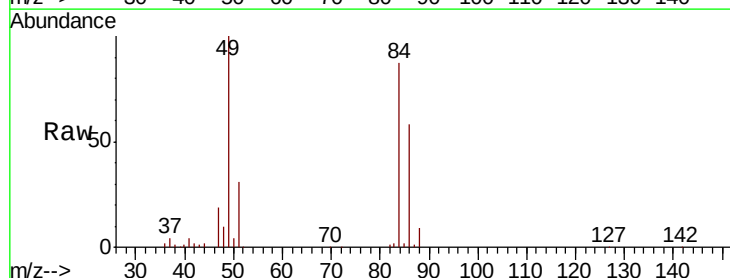
Instrument :
MSVOA_N
ClientSampled :
VN0808MBS01

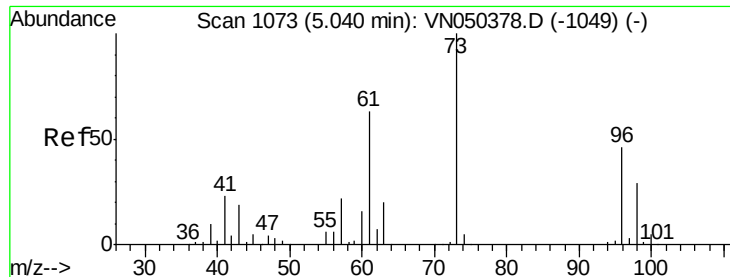
Tot Ion: 73 Resp: 461875
Ion Ratio Lower Upper
73 100
57 21.7 18.0 27.0



#20
Methylene Chloride
Concen: 18.17 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion: 84 Resp: 185364
Ion Ratio Lower Upper
84 100
49 114.4 94.8 142.2
51 35.0 28.3 42.5
86 66.2 51.0 76.6

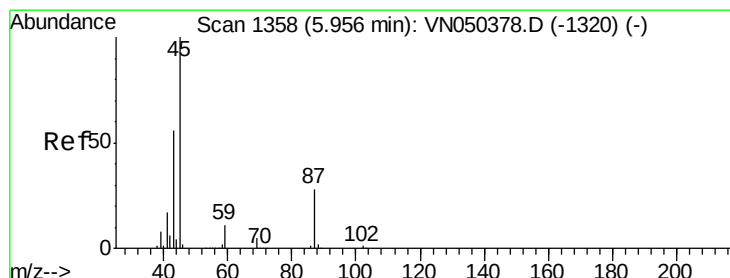
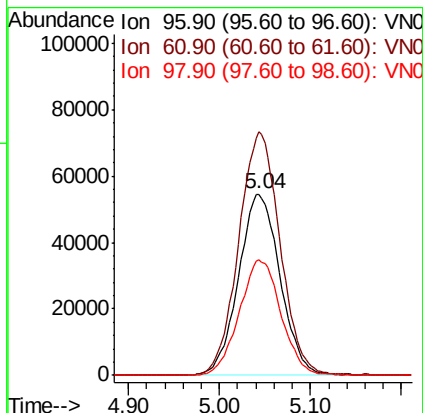
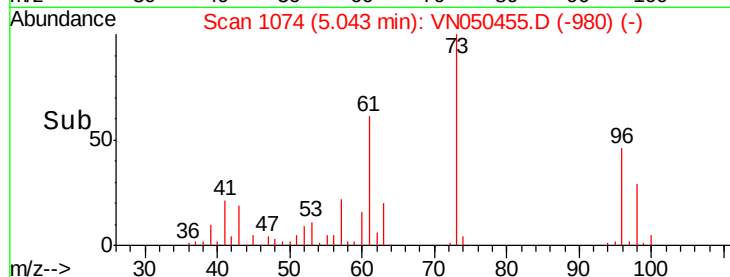
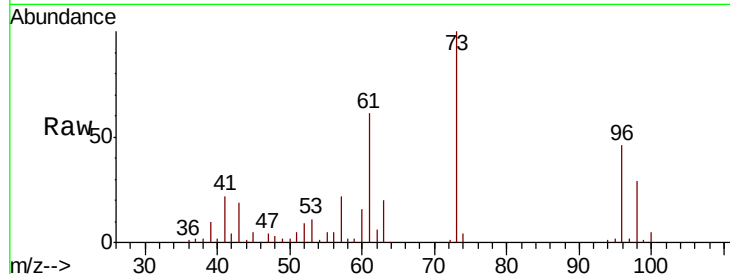




#21
trans-1,2-Dichloroethene
Concen: 18.61 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

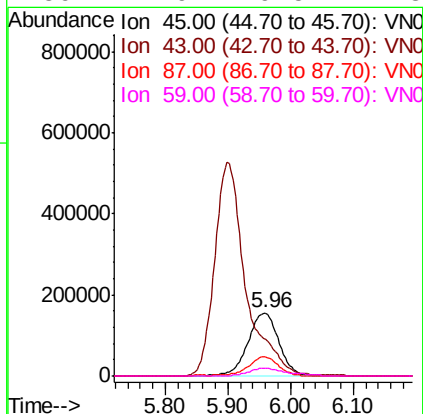
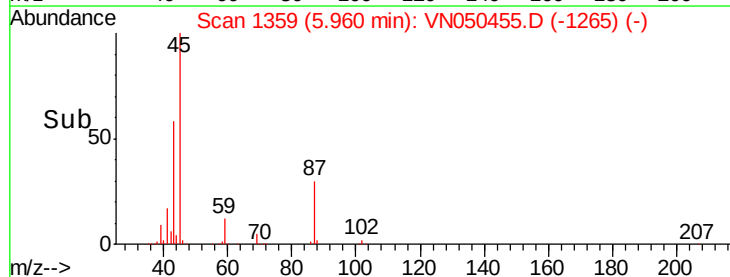
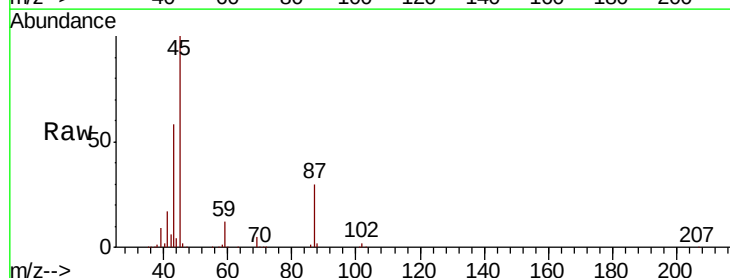
Instrument :
MSVOA_N
ClientSampled :
VN0808MBS01

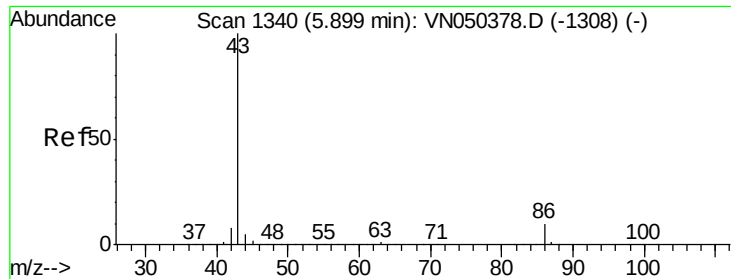
Tot Ion: 96 Resp: 172882
Ion Ratio Lower Upper
96 100
61 134.6 110.7 166.1
98 63.7 51.6 77.4



#22
Diisopropyl ether
Concen: 18.99 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion: 45 Resp: 534742
Ion Ratio Lower Upper
45 100
43 57.1 45.7 68.5
87 30.1 22.7 34.1
59 11.9 9.5 14.3





#23

Vinyl Acetate

Concen: 90.19 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

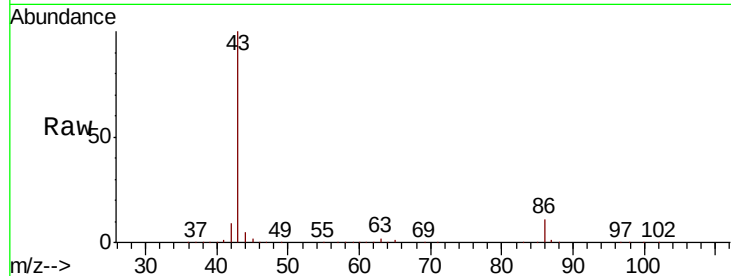
VN0808MBS01

Tot Ion: 43 Resp: 1811977

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

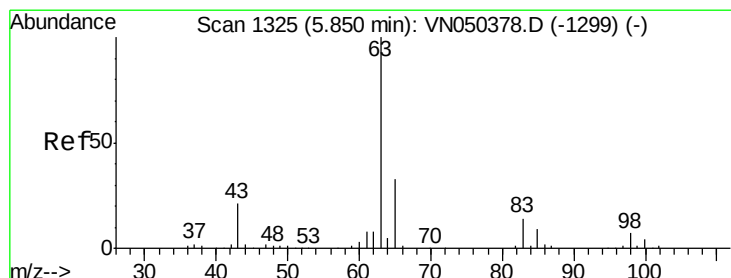
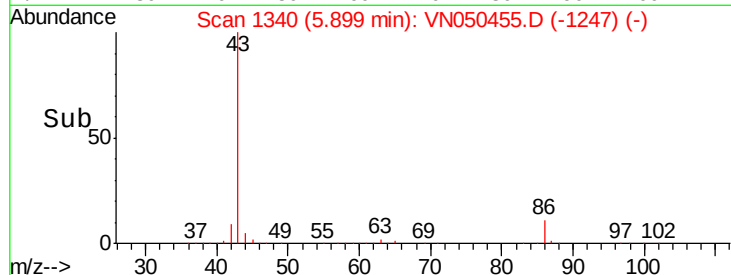
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.59 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

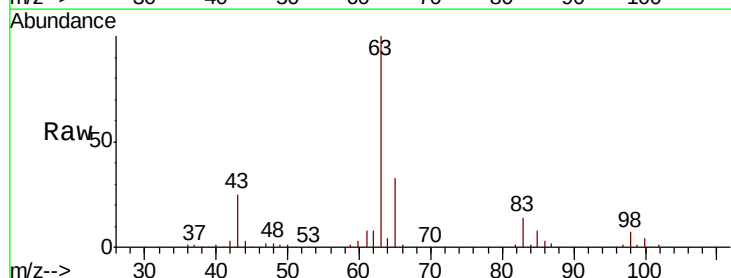
Tgt Ion: 63 Resp: 321127

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 4.4 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

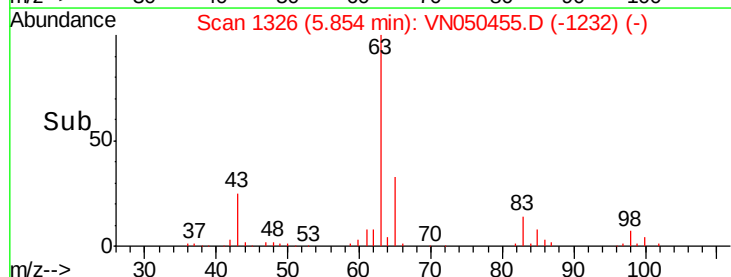
Ion 99.90 (99.60 to 100.60): VN0

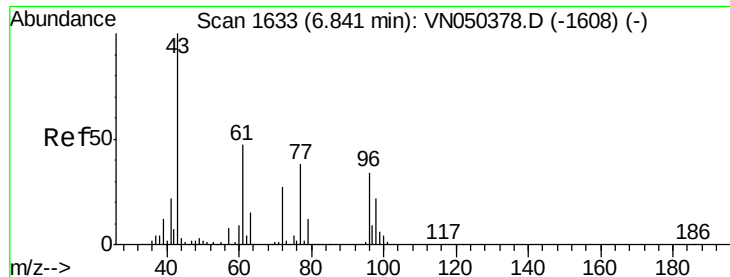
100000

50000

0

Time-->





#25

2-Butanone

Concen: 80.29 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

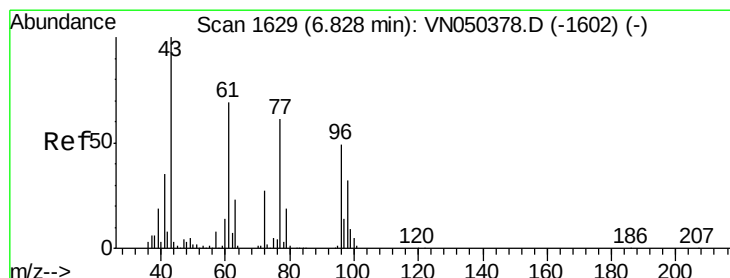
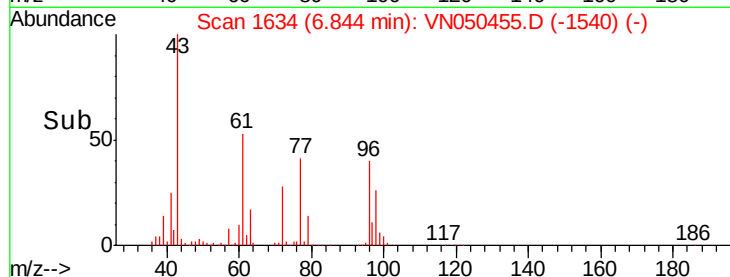
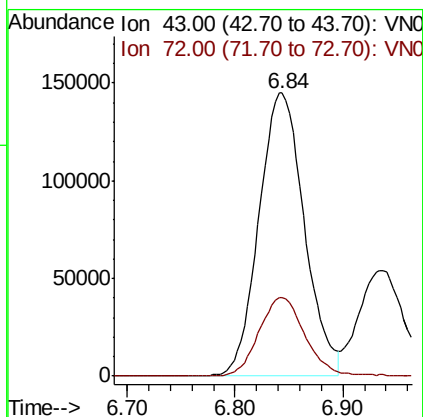
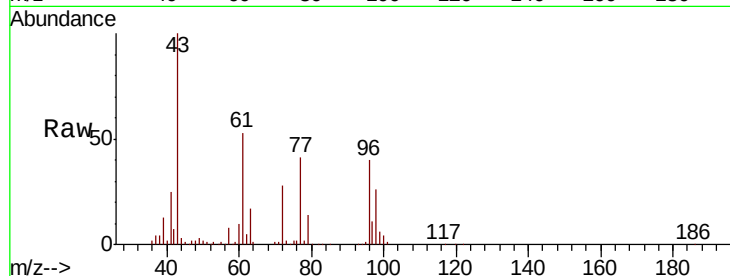
VN0808MBS01

Tot Ion: 43 Resp: 422040

Ion Ratio Lower Upper

43 100

72 28.0 21.5 32.3



#26

2,2-Dichloropropane

Concen: 18.04 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050455.D

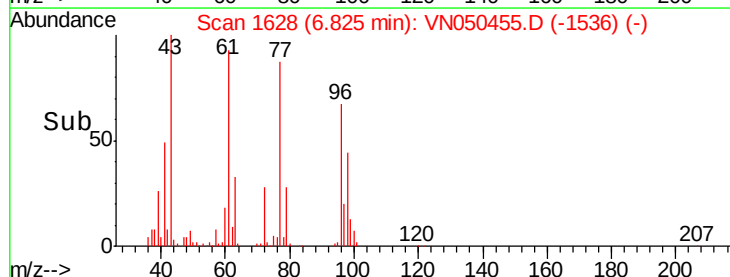
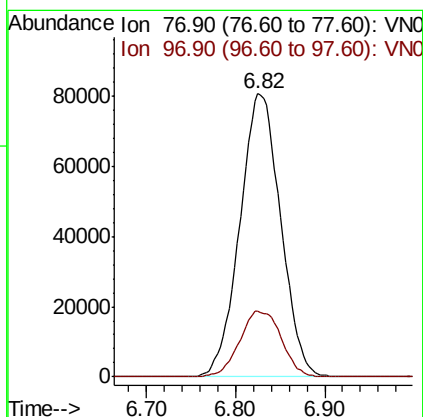
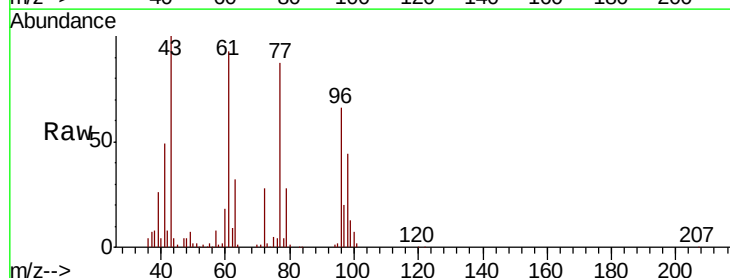
Acq: 8 Aug 2018 13:36

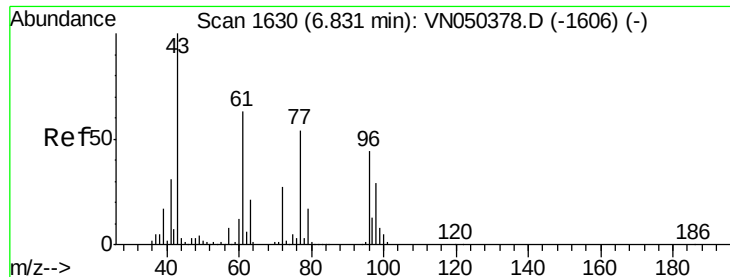
Tgt Ion: 77 Resp: 256975

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.26 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

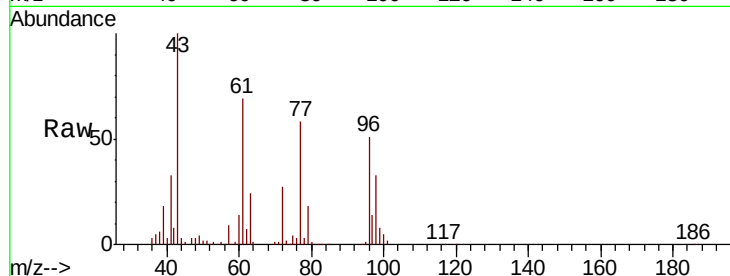
Tot Ion: 96 Resp: 198261

Ion Ratio Lower Upper

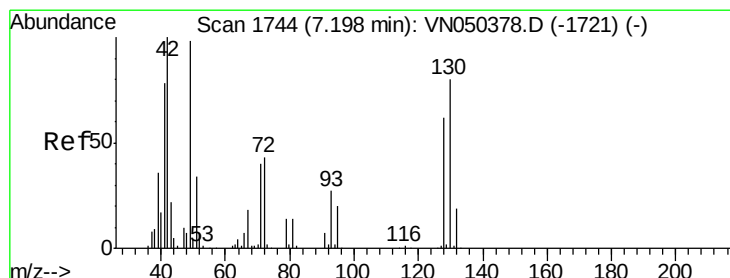
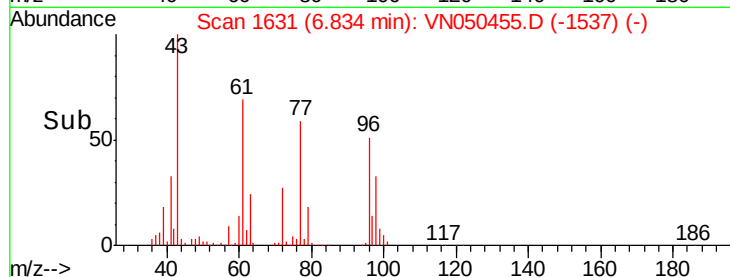
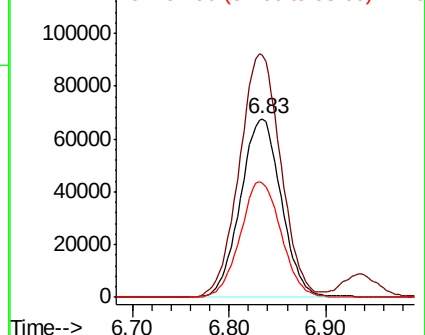
96 100

61 138.6 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: 18.88 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

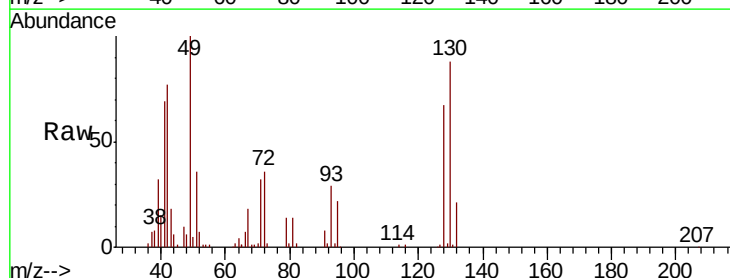
Tgt Ion: 49 Resp: 150155

Ion Ratio Lower Upper

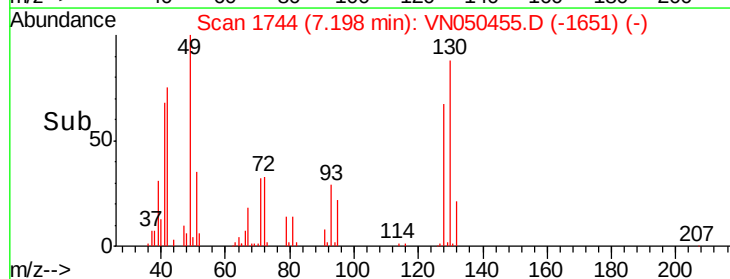
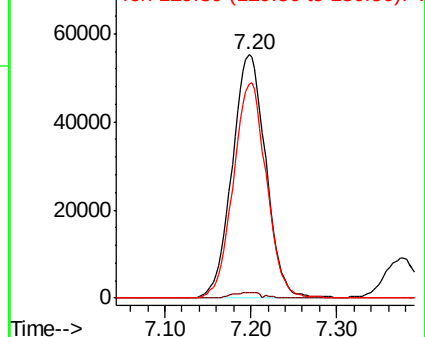
49 100

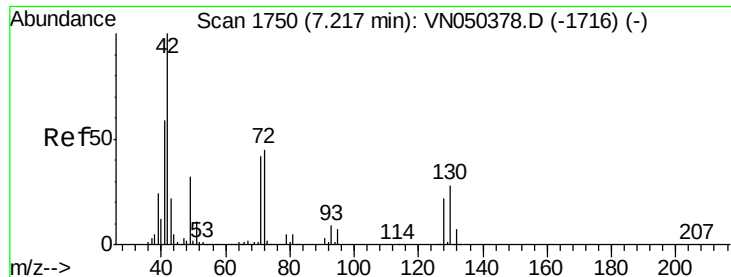
129 1.8 0.0 4.0

130 87.0 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: 79.16 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

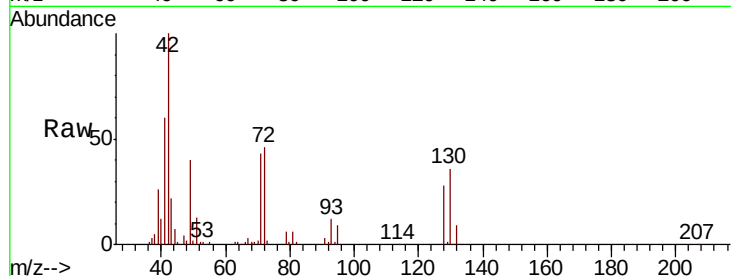
Tot Ion: 42 Resp: 222710

Ion Ratio Lower Upper

42 100

72 45.7 35.9 53.9

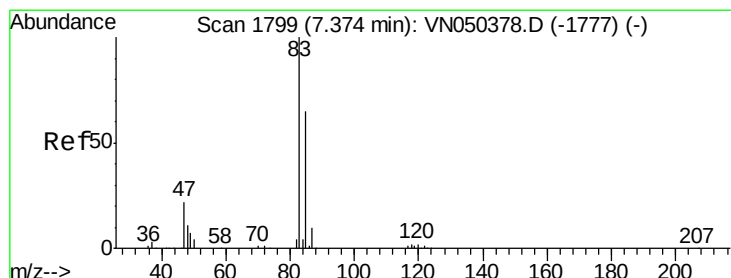
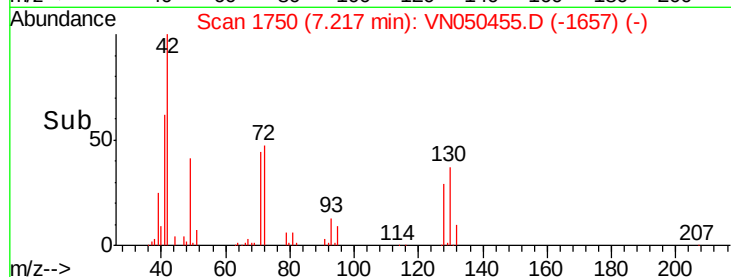
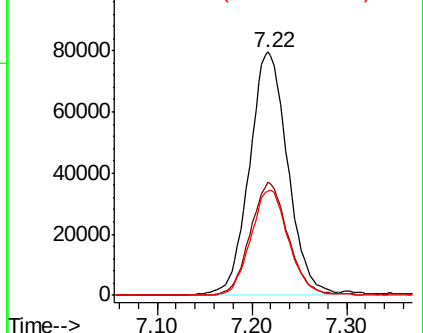
71 42.9 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 18.88 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050455.D

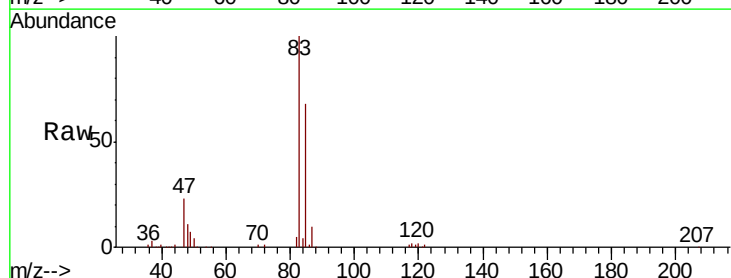
Acq: 8 Aug 2018 13:36

Tgt Ion: 83 Resp: 326166

Ion Ratio Lower Upper

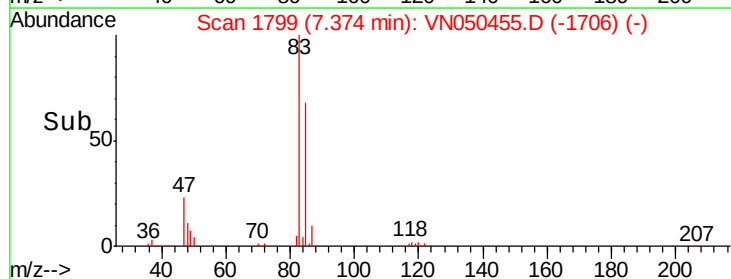
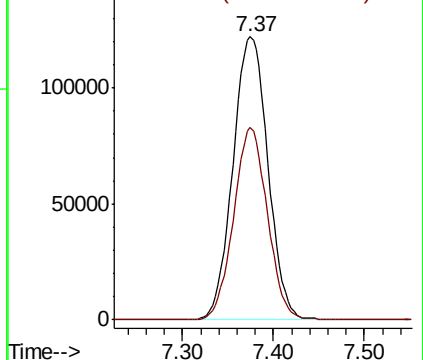
83 100

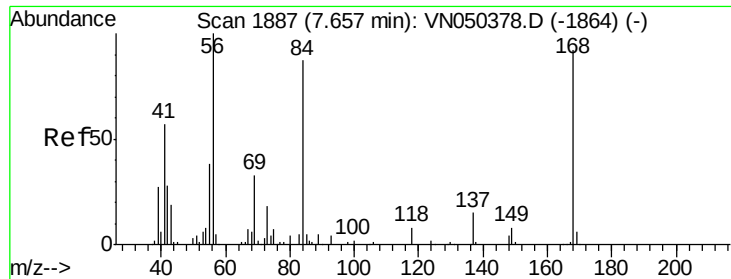
85 67.8 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

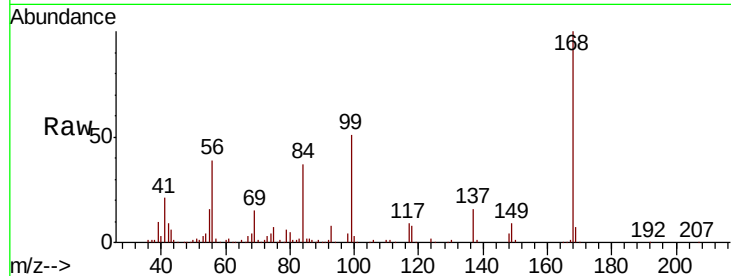




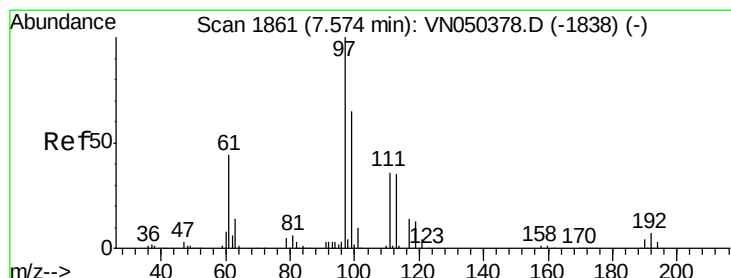
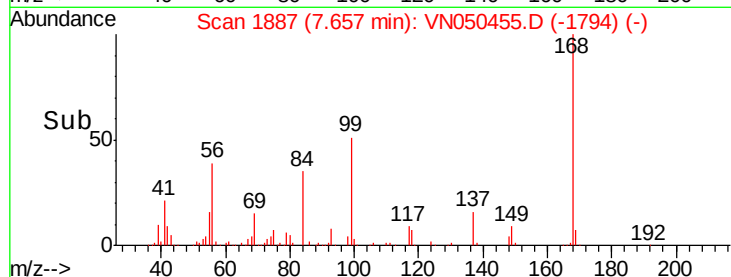
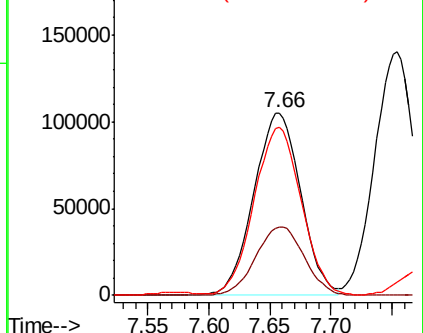
#31
Cyclohexane
Concen: 18.07 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion: 56 Resp: 280930
Ion Ratio Lower Upper
56 100
69 37.5 26.2 39.4
84 91.1 67.4 101.0

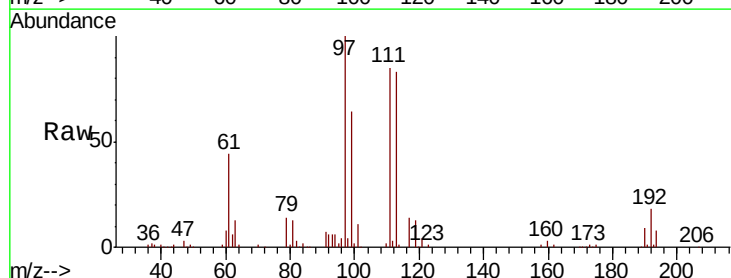


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

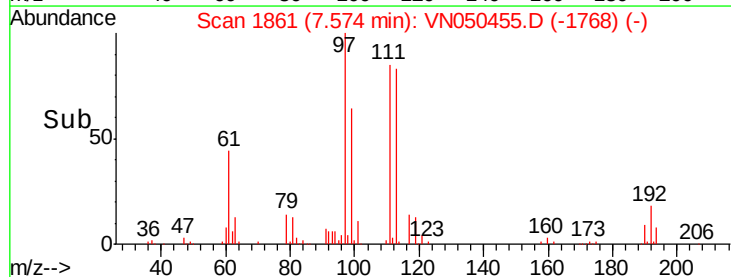
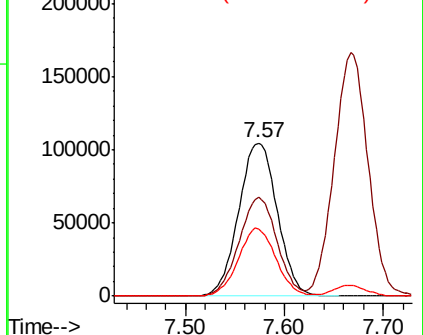


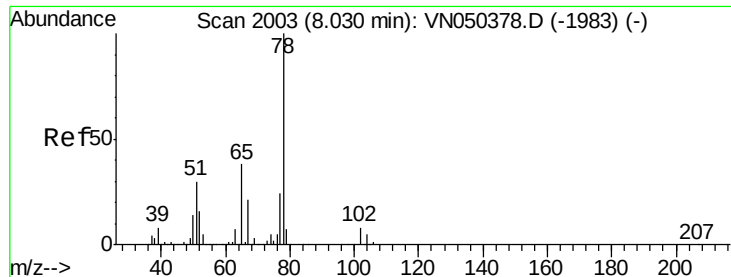
#32
1,1,1-Trichloroethane
Concen: 19.09 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion: 97 Resp: 283132
Ion Ratio Lower Upper
97 100
99 63.3 51.4 77.0
61 43.2 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

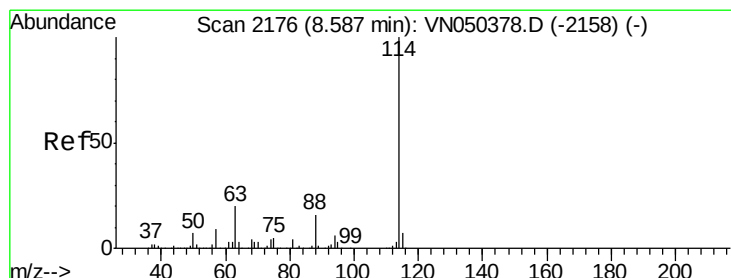
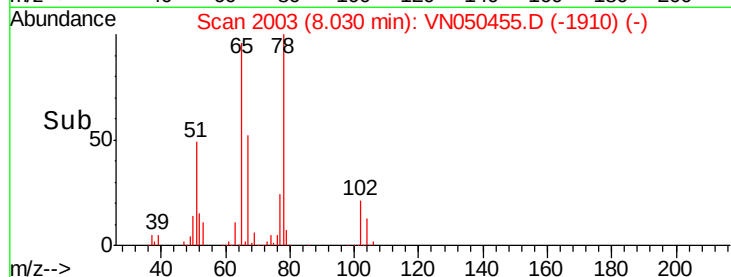
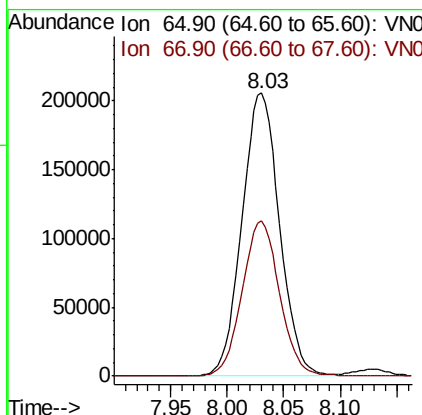
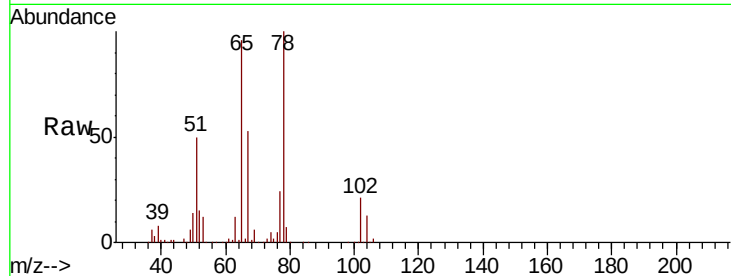




#33
 1,2-Dichloroethane-d4
 Concen: 44.84 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

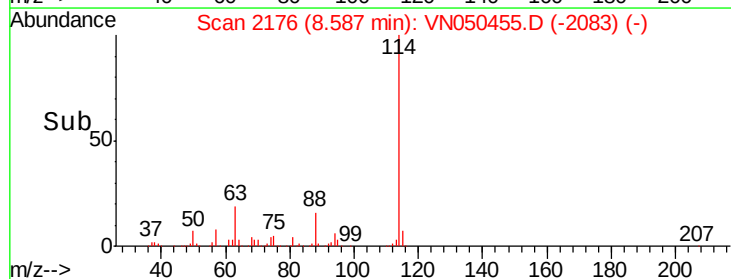
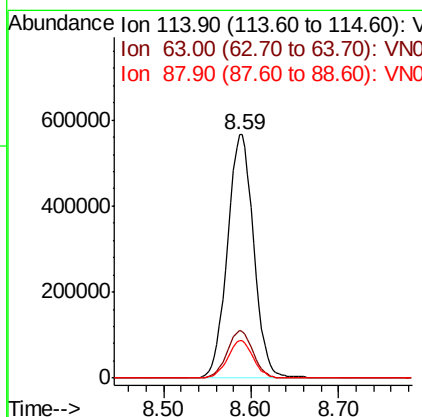
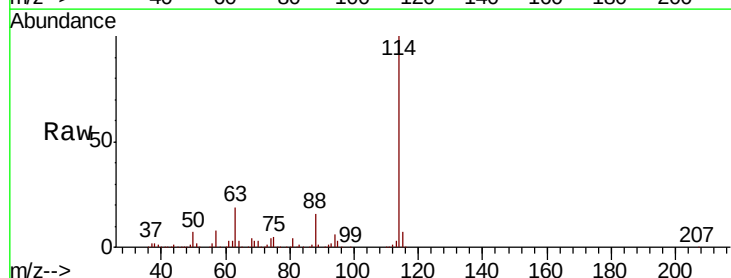
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

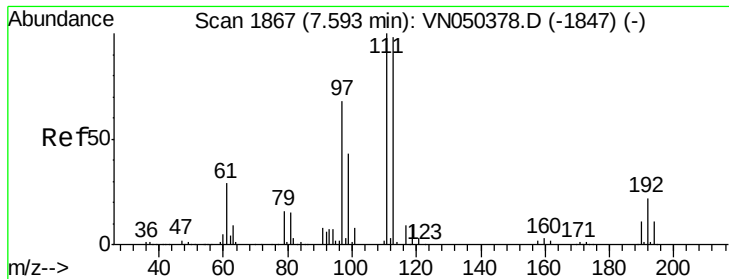
Tot Ion: 65 Resp: 475621
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion: 114 Resp: 1179809
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 15.7 0.0 31.2

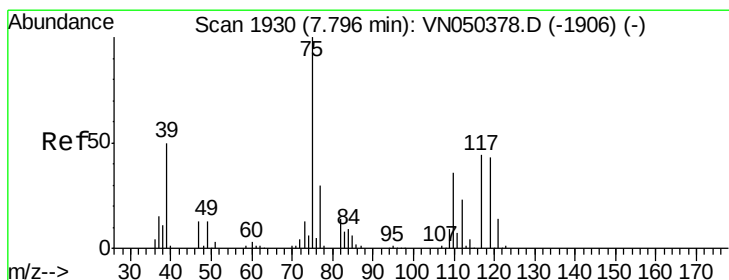
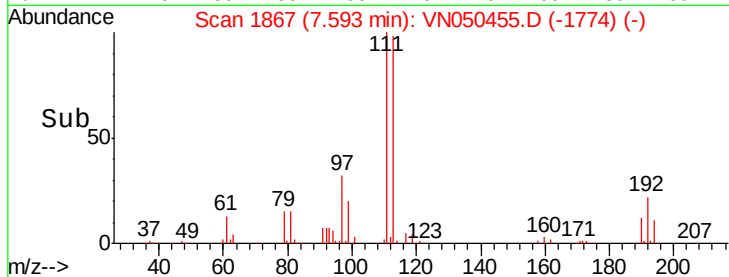
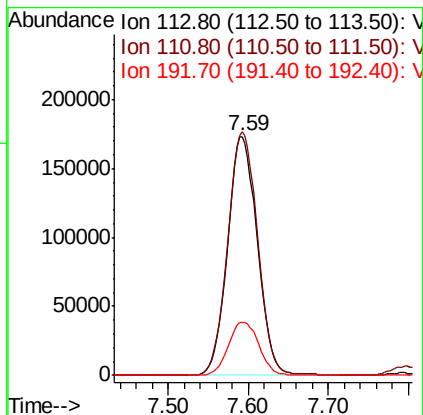
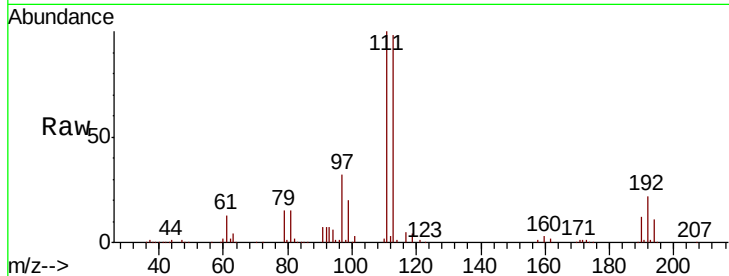




#35
 Dibromofluoromethane
 Concen: 46.17 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

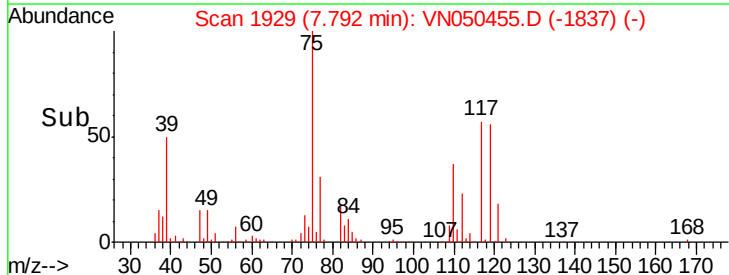
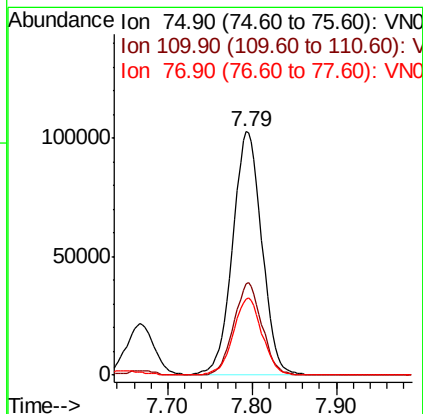
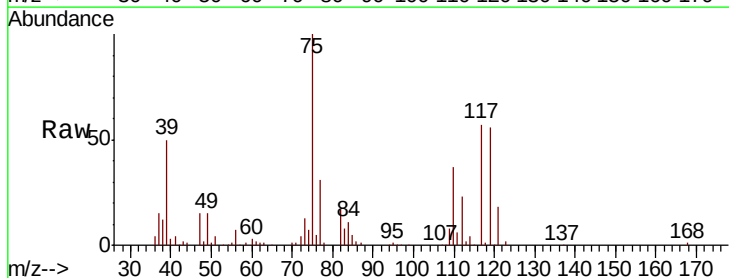
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

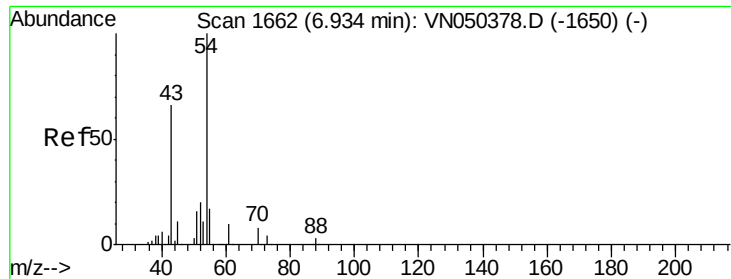
Tot Ion:113 Resp: 437045
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.7 121.1
 192 22.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 19.08 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion: 75 Resp: 247354
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.4 55.2
 77 31.3 25.3 37.9

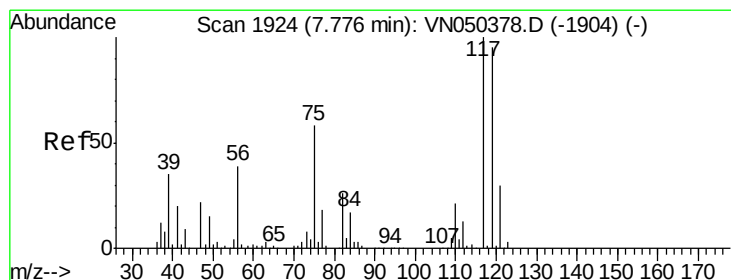
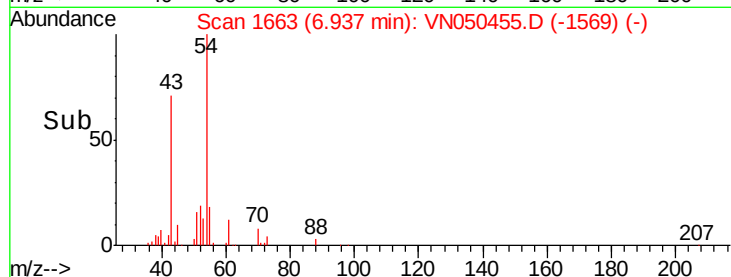
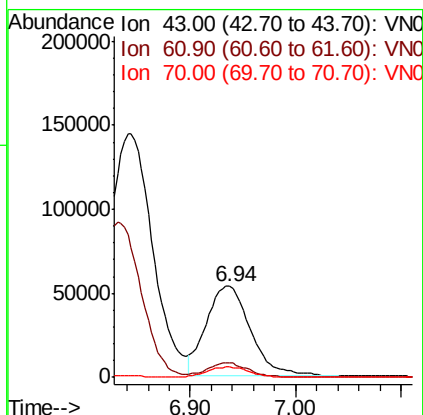
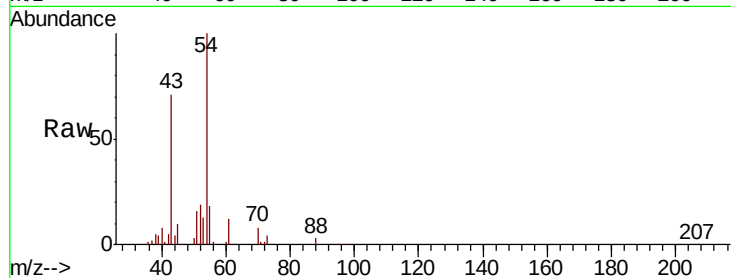




#37
Ethyl Acetate
Concen: 16.72 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

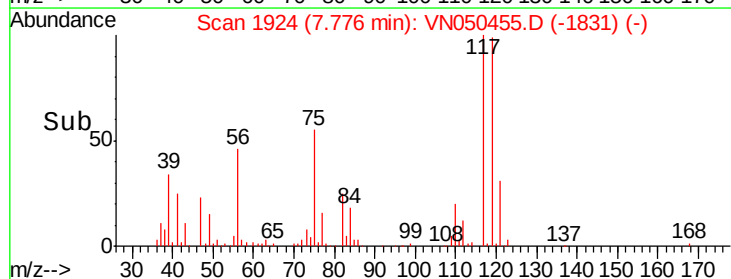
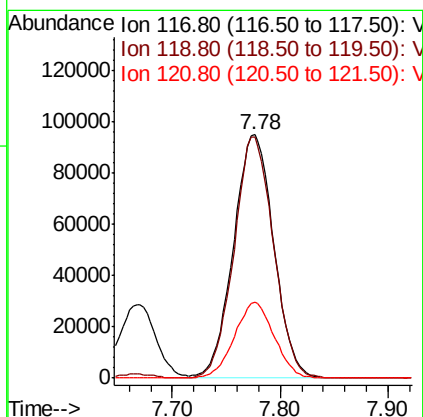
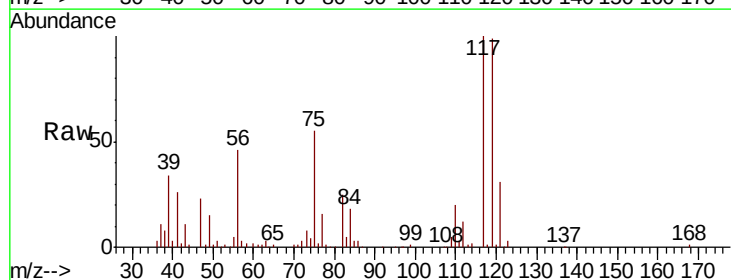
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

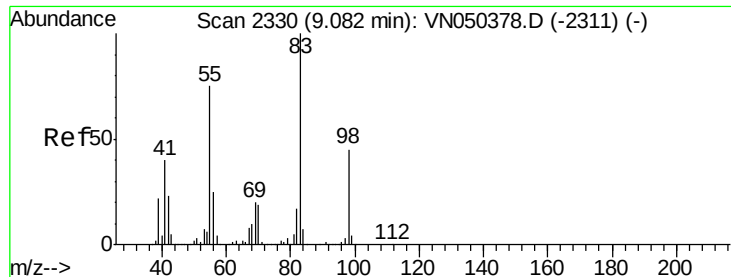
Tot Ion: 43 Resp: 156079
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.8
70 11.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.30 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion: 117 Resp: 247408
Ion Ratio Lower Upper
117 100
119 98.9 77.4 116.0
121 31.0 23.9 35.9

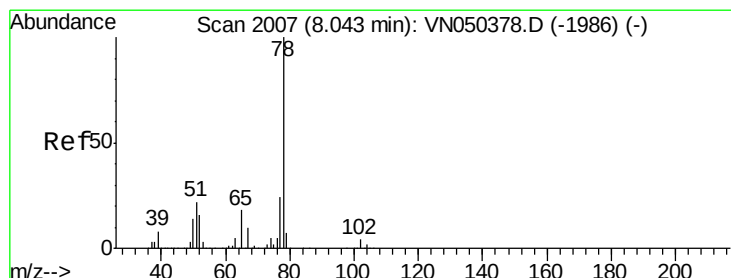
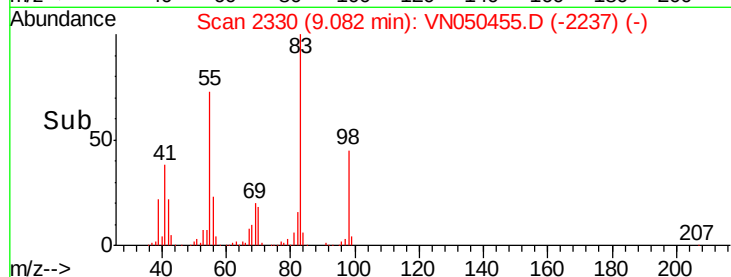
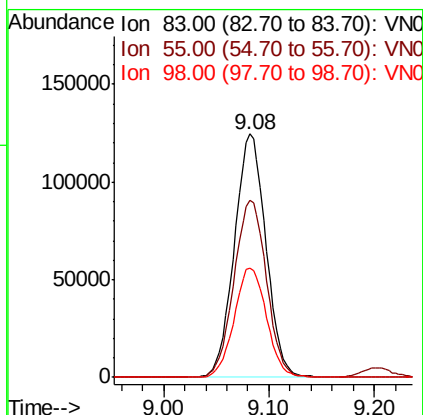
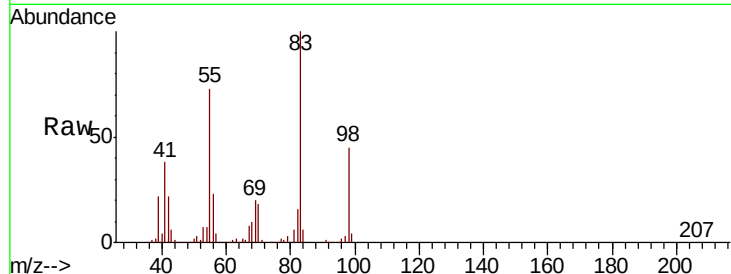




#39
Methylvlcyclohexane
Concen: 18.29 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

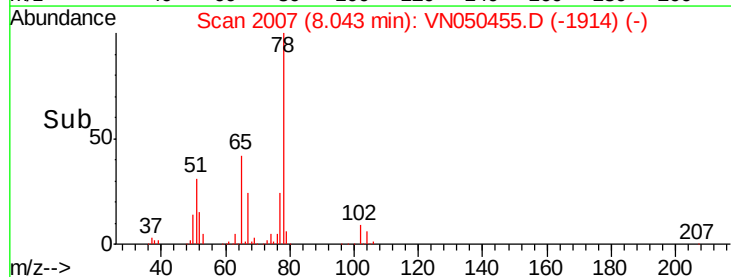
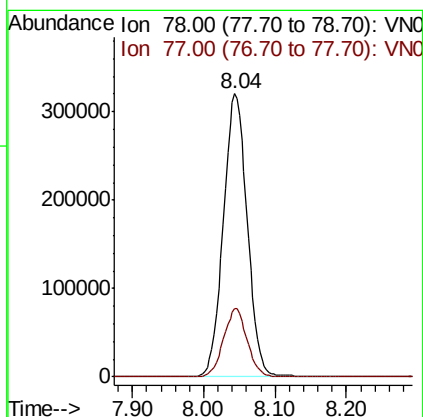
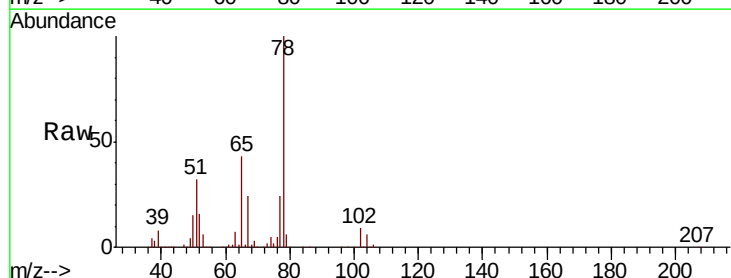
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

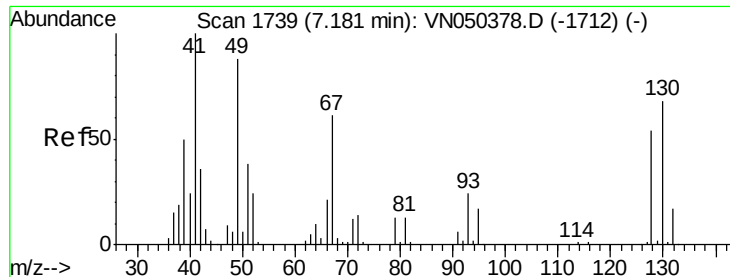
Tot Ion: 83 Resp: 258734
Ion Ratio Lower Upper
83 100
55 72.8 61.8 92.8
98 45.0 36.5 54.7



#40
Benzene
Concen: 18.73 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion: 78 Resp: 746347
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1

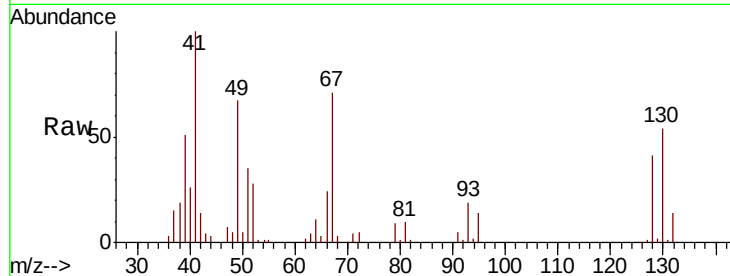




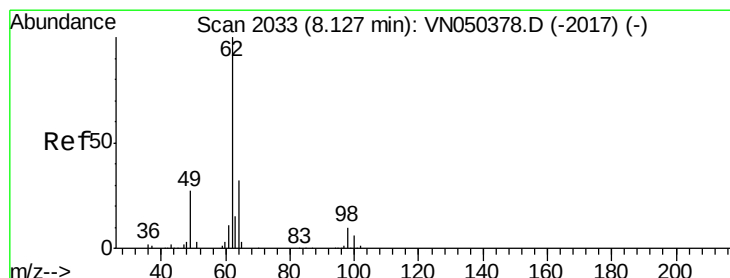
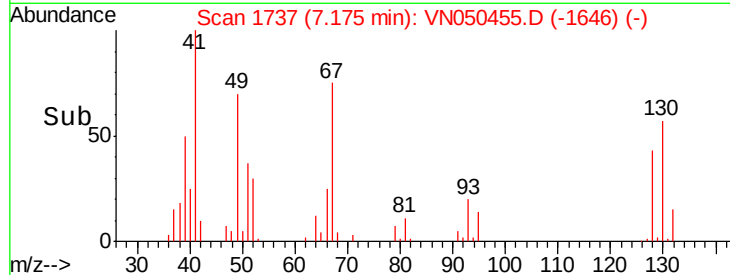
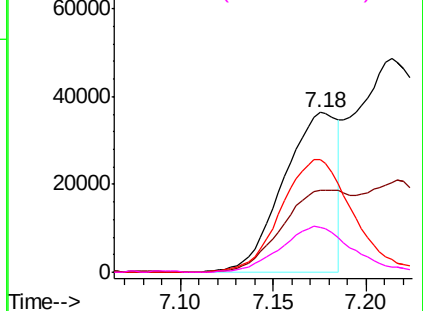
#41
Methacrylonitrile
Concen: 14.93 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion:	41	Resp:	74121
Ion	Ratio	Lower	Upper
41	100		
39	66.5	55.8	83.6
67	93.8	84.3	126.5
52	38.0	34.2	51.2

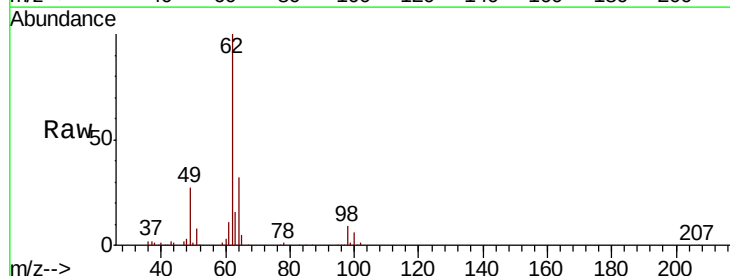


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

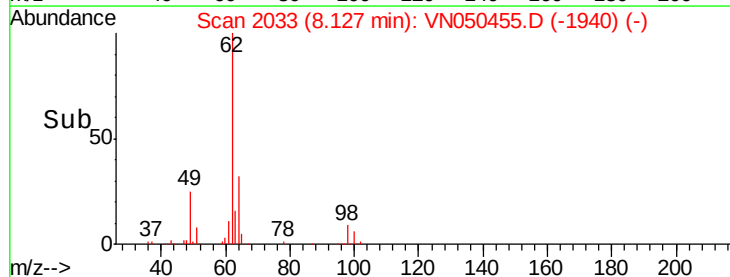
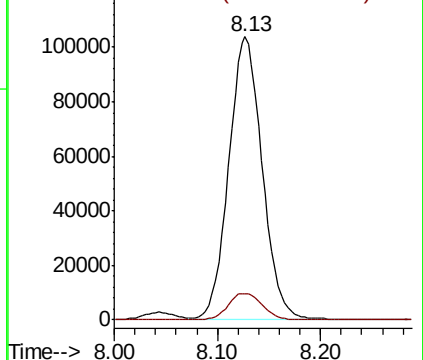


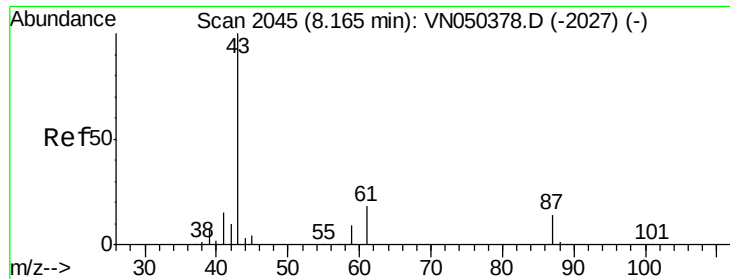
#42
1,2-Dichloroethane
Concen: 18.44 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion:	62	Resp:	233291
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 17.05 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

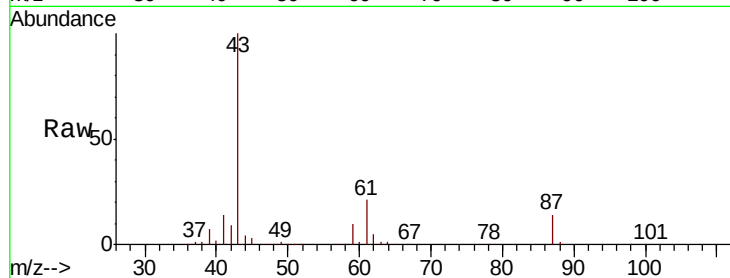
Tot Ion: 43 Resp: 274719

Ion Ratio Lower Upper

43 100

61 20.7 15.8 23.6

87 14.3 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

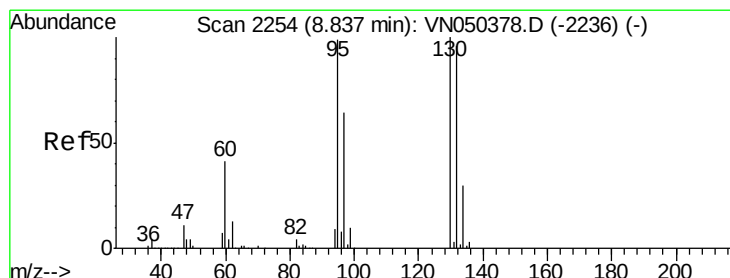
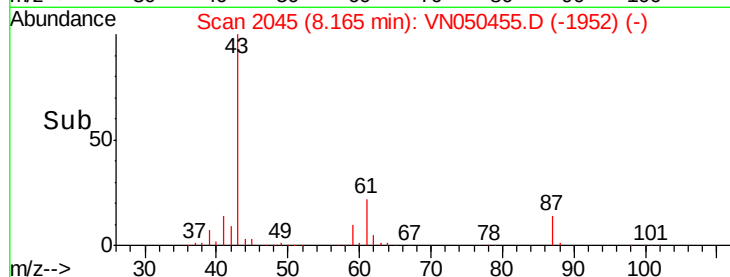
100000

50000

0

8.10 8.20

Time-->



#44

Trichloroethene

Concen: 19.02 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050455.D

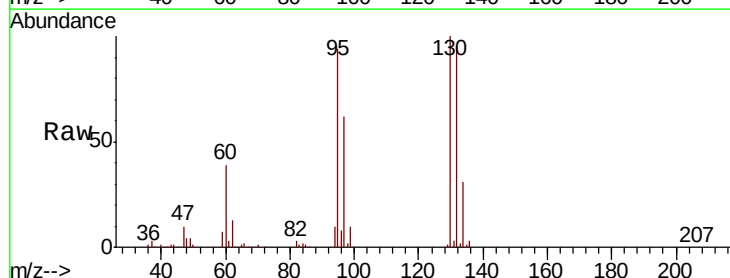
Acq: 8 Aug 2018 13:36

Tgt Ion: 130 Resp: 203727

Ion Ratio Lower Upper

130 100

95 94.1 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

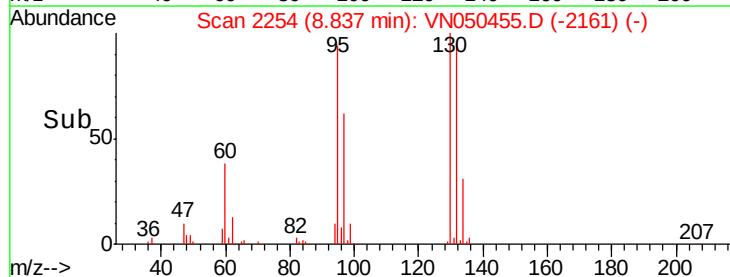
40000

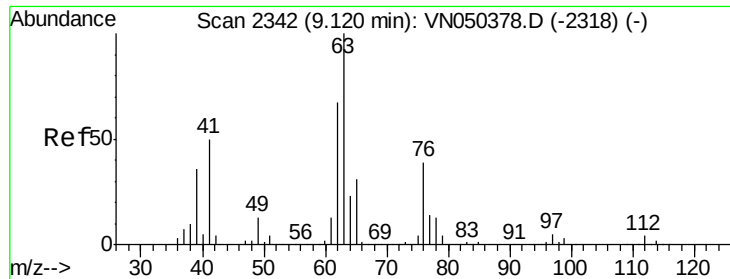
20000

0

8.70 8.80 8.90 9.00

Time-->

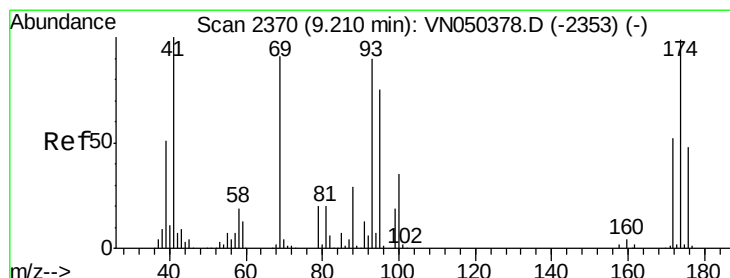
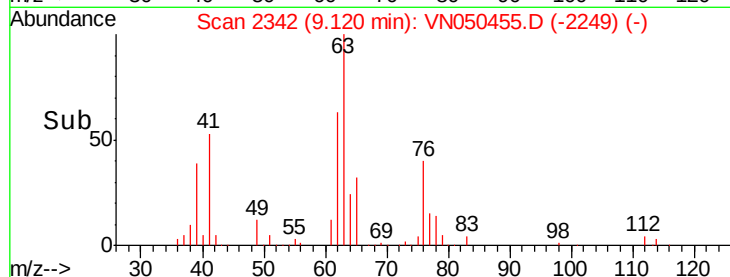
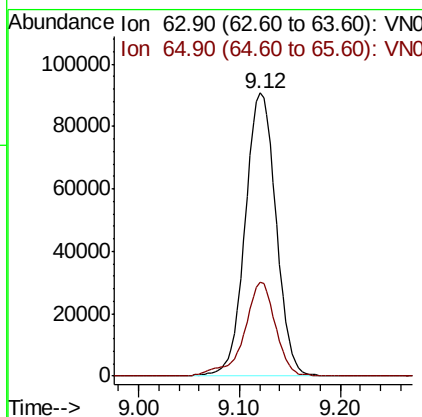
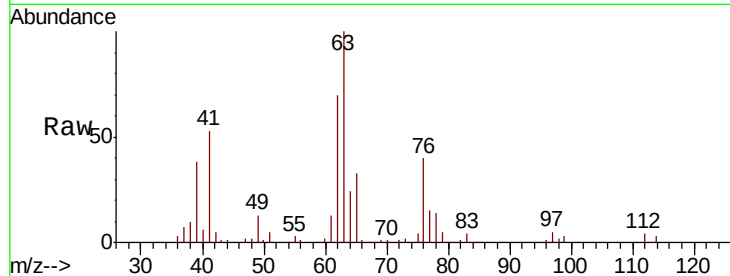




#45
 1,2-Dichloropropane
 Concen: 18.28 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

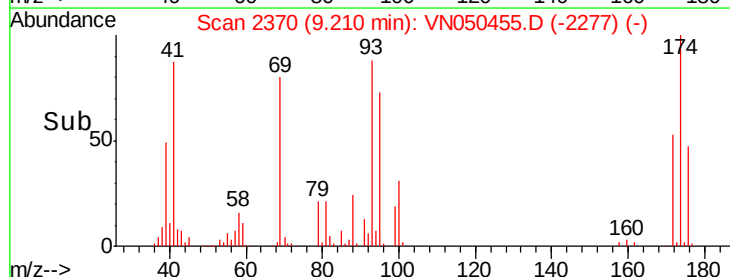
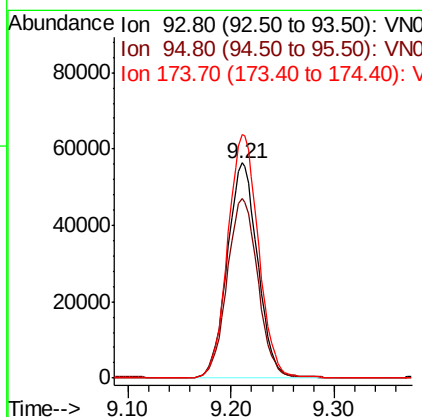
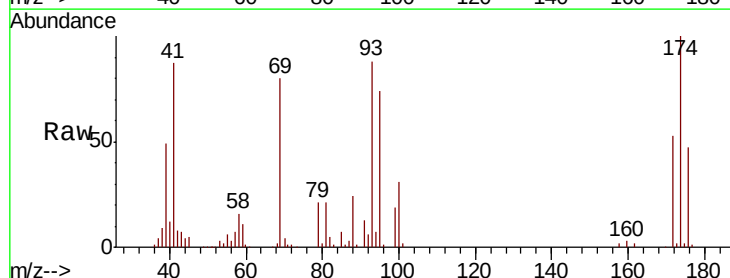
Instrument :
 MSVOA_N
 ClientSampled :
 VN0808MBS01

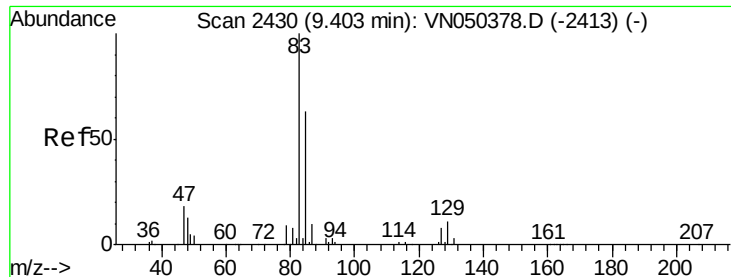
Tot Ion: 63 Resp: 191551
 Ion Ratio Lower Upper
 63 100
 65 33.0 25.5 38.3



#46
 Dibromomethane
 Concen: 17.94 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion: 93 Resp: 116049
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.6 100.0
 174 114.2 87.1 130.7

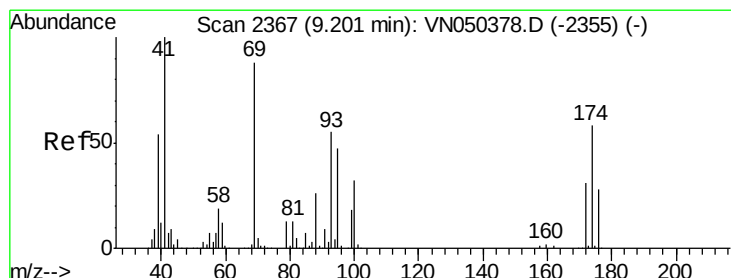
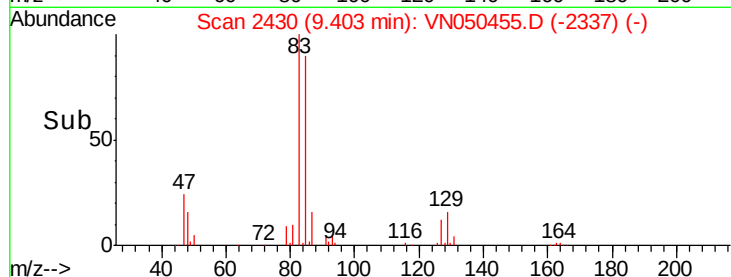
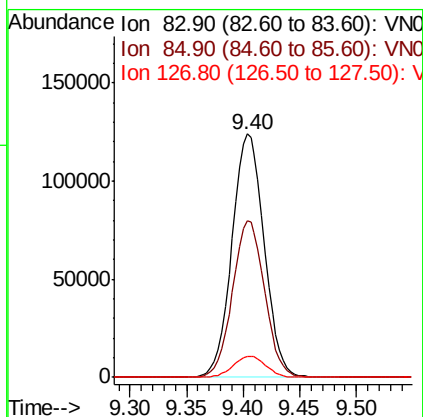
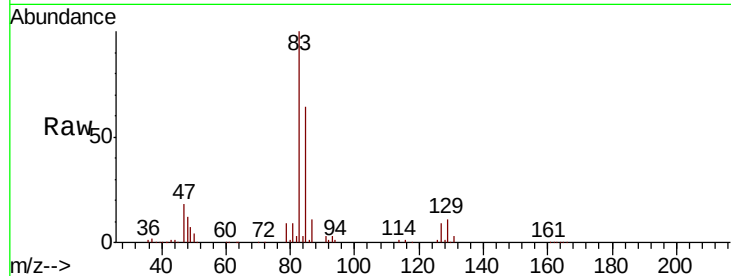




#47
Bromodichloromethane
Concen: 18.34 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

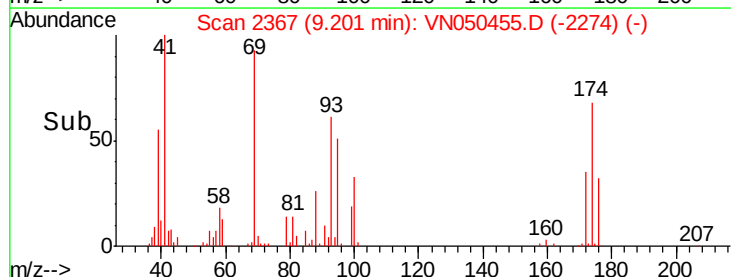
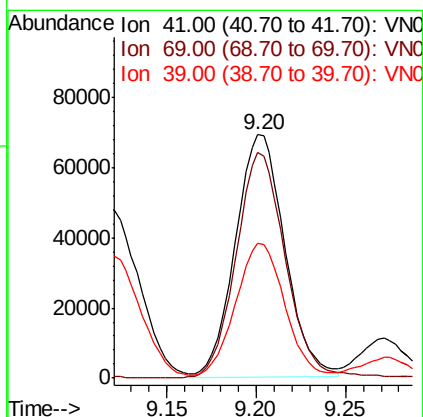
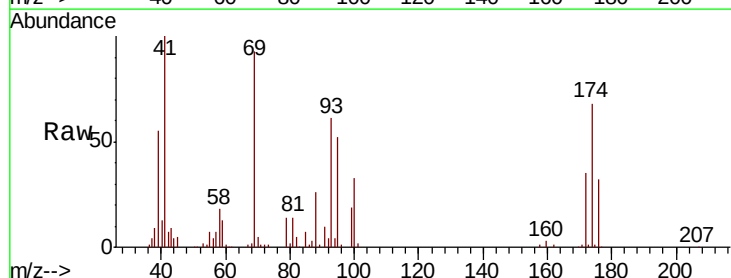
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

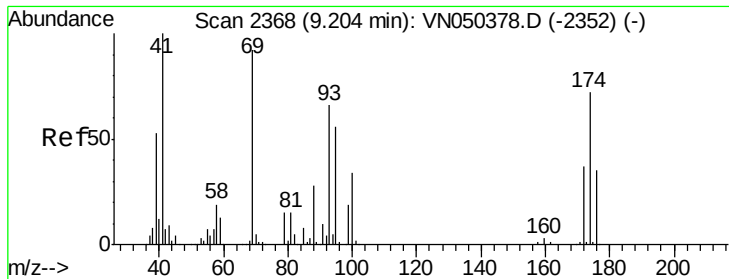
Tot Ion: 83 Resp: 245795
Ion Ratio Lower Upper
83 100
85 64.3 51.1 76.7
127 8.8 7.0 10.4



#48
Methyl methacrylate
Concen: 16.61 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion: 41 Resp: 134171
Ion Ratio Lower Upper
41 100
69 93.9 70.6 105.8
39 55.2 43.9 65.9





#49

1,4-Dioxane

Concen: 305.11 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampled :

VN0808MBS01

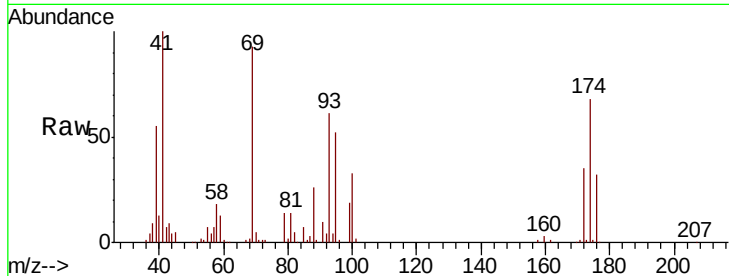
Tot Ion: 88 Resp: 37987

Ion Ratio Lower Upper

88 100

43 31.7 26.9 40.3

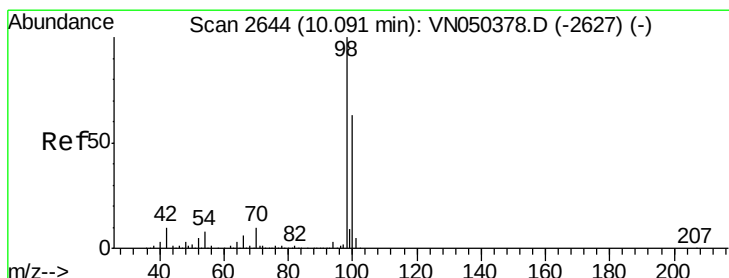
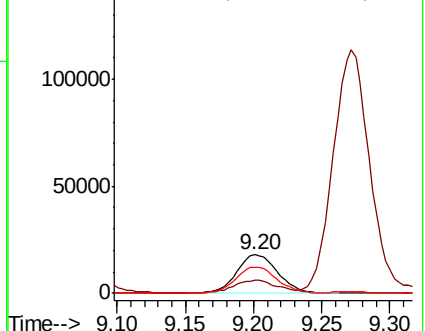
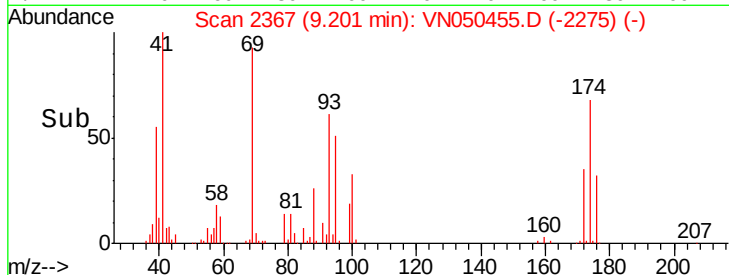
58 68.9 57.3 85.9



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: 46.12 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050455.D

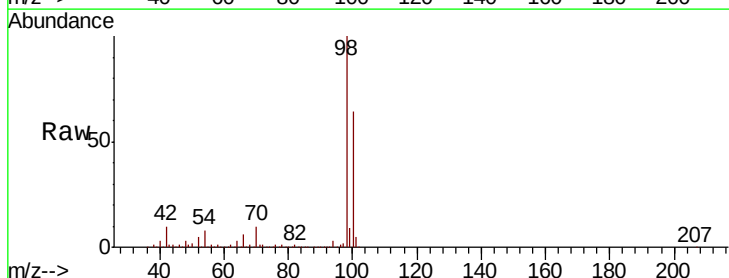
Acq: 8 Aug 2018 13:36

Tgt Ion: 98 Resp: 1641697

Ion Ratio Lower Upper

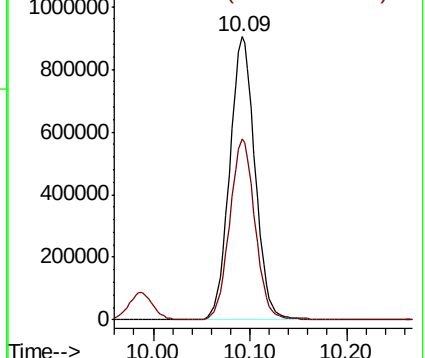
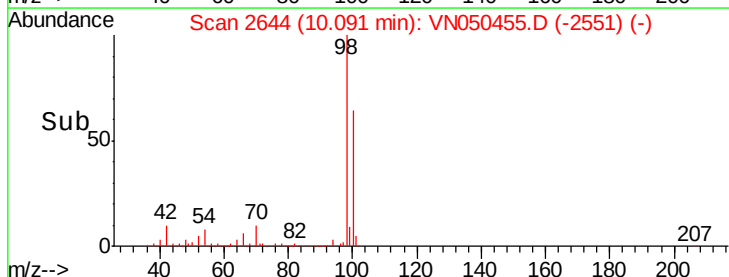
98 100

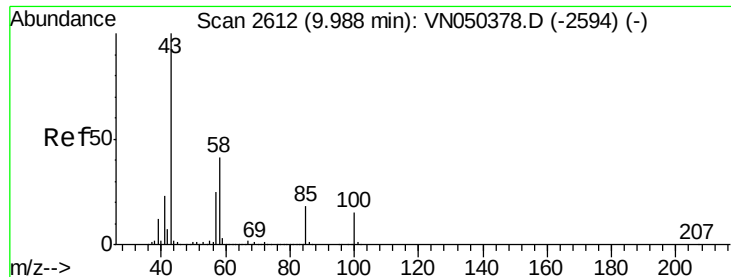
100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

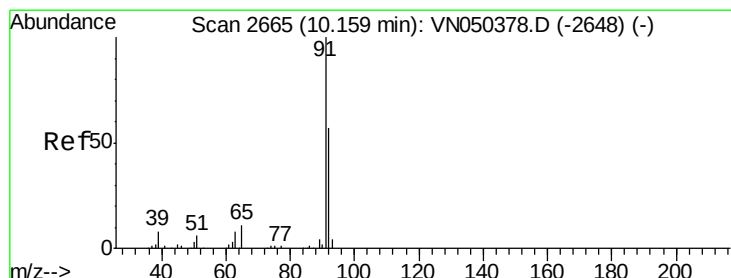
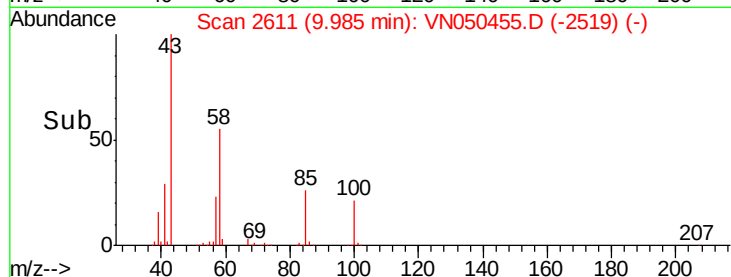
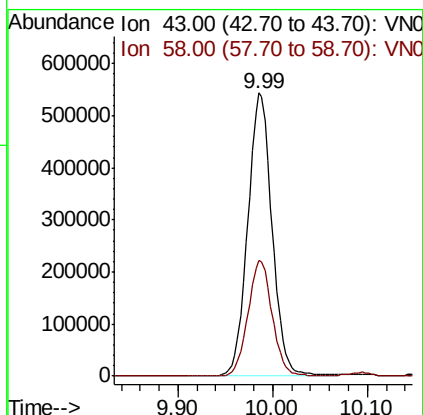
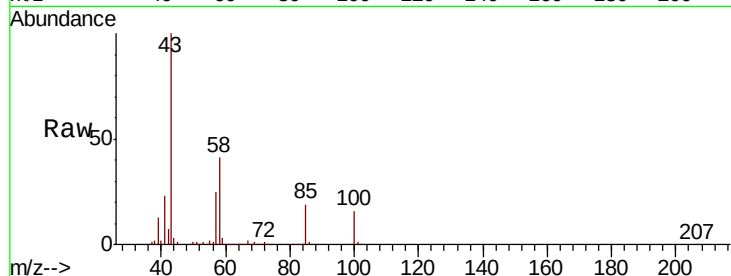




#51
 4-Methyl-2-Pentanone
 Concen: 83.37 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

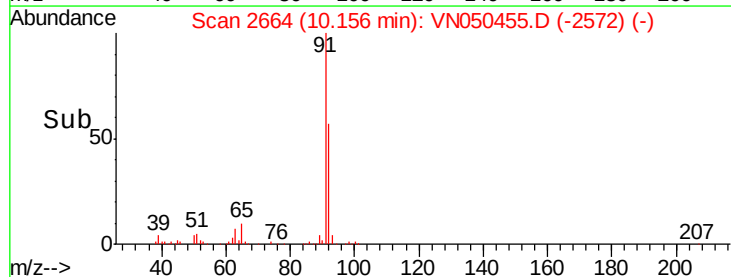
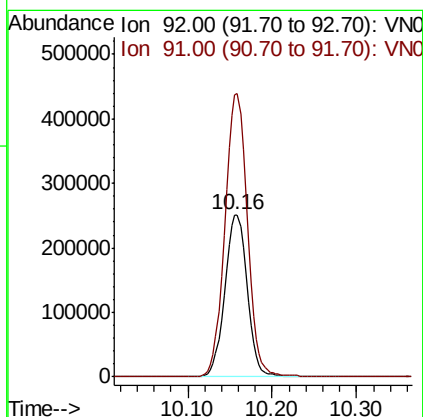
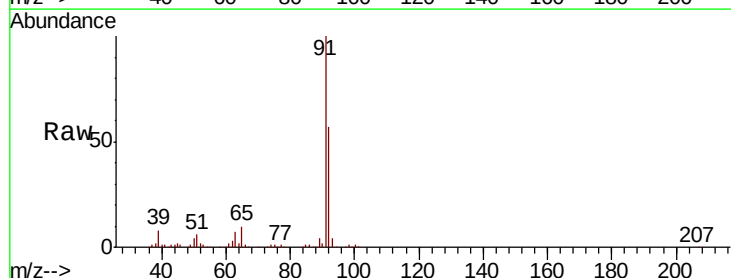
Instrument :
 MSVOA_N
 ClientSampled :
 VN0808MBS01

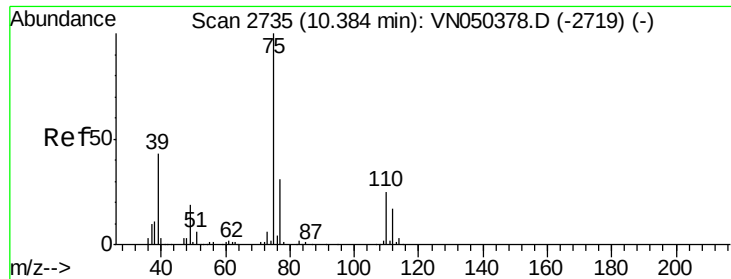
Tot Ion: 43 Resp: 967629
 Ion Ratio Lower Upper
 43 100
 58 40.9 31.9 47.9



#52
 Toluene
 Concen: 19.44 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion: 92 Resp: 465472
 Ion Ratio Lower Upper
 92 100
 91 175.0 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 18.34 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

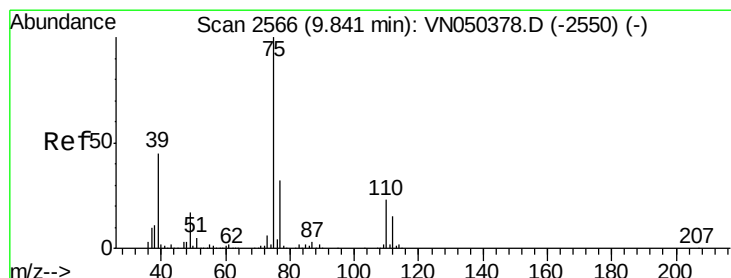
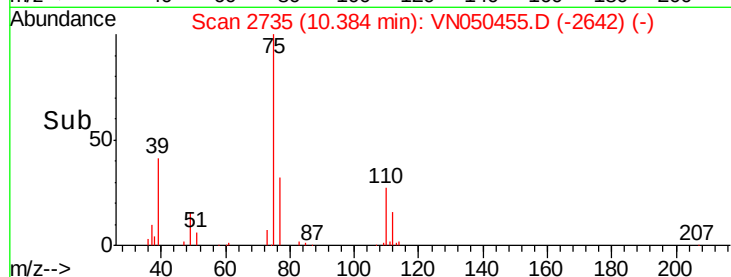
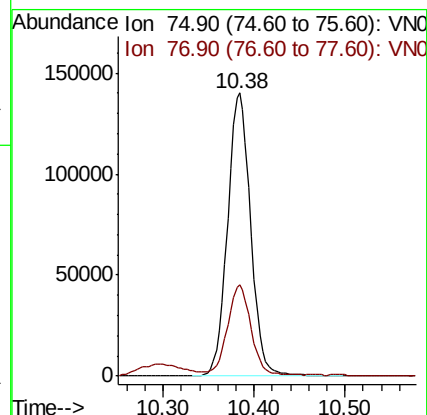
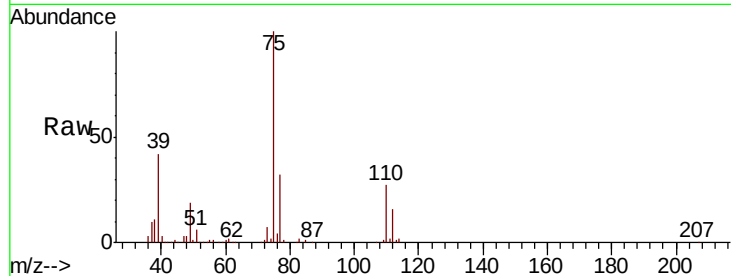
VN0808MBS01

Tot Ion: 75 Resp: 246808

Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.05 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

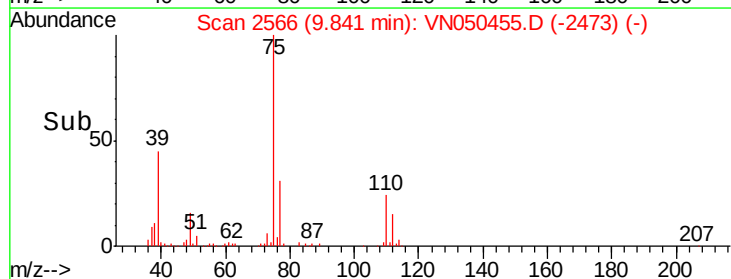
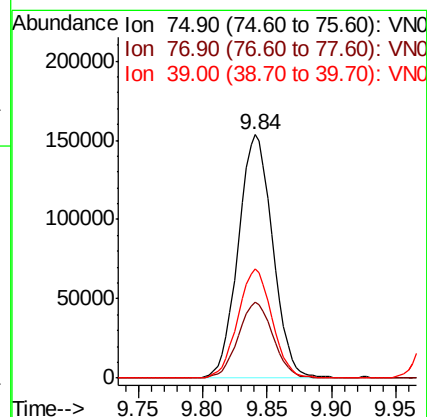
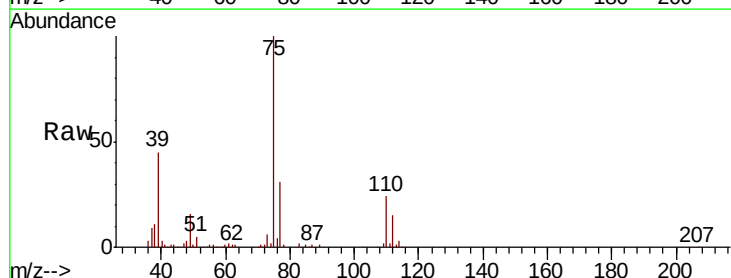
Tgt Ion: 75 Resp: 286137

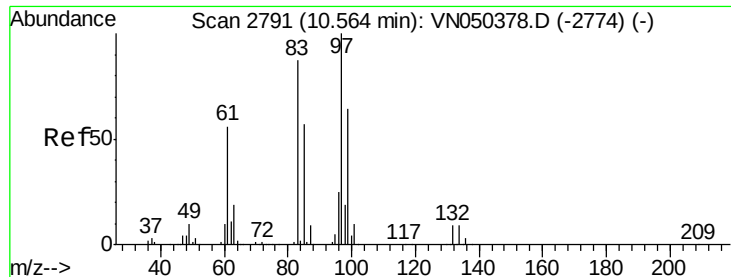
Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3

39 44.6 36.6 55.0

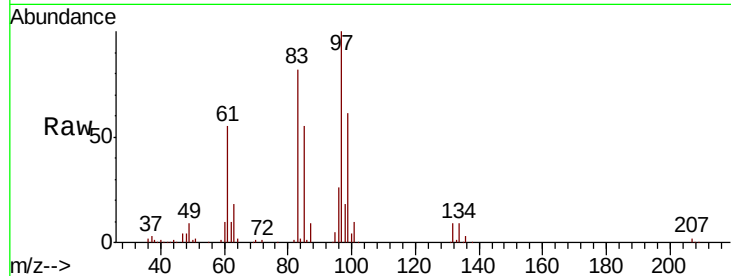




#55
 1,1,2-Trichloroethane
 Concen: 18.39 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0808MBS01

Tot Ion	97	Resp	171836
Ion	Ratio	Lower	Upper
97	100		
83	82.4	69.2	103.8
85	54.9	44.0	66.0
99	60.8	49.9	74.9



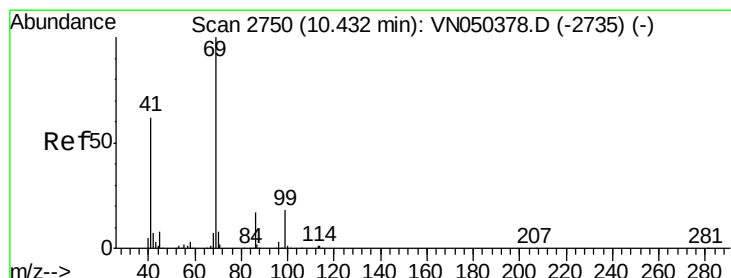
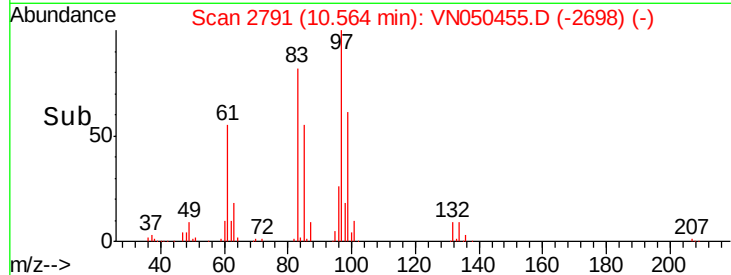
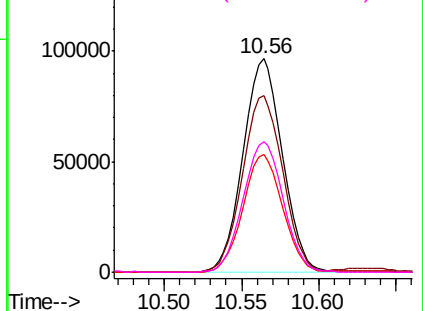
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

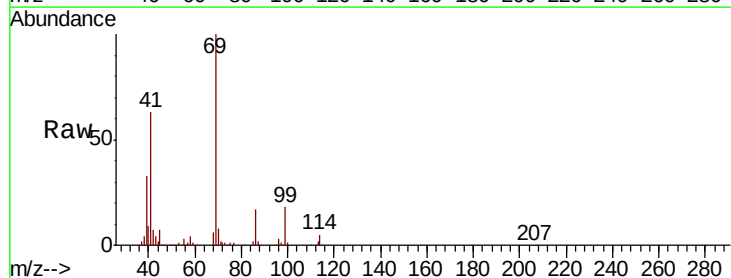
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 17.29 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion	69	Resp	213361
Ion	Ratio	Lower	Upper
69	100		
41	61.7	51.0	76.4
39	32.5	26.6	40.0

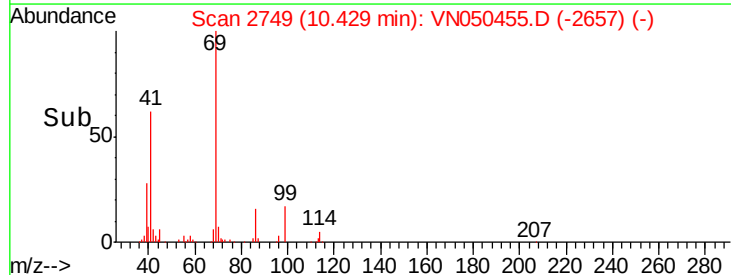
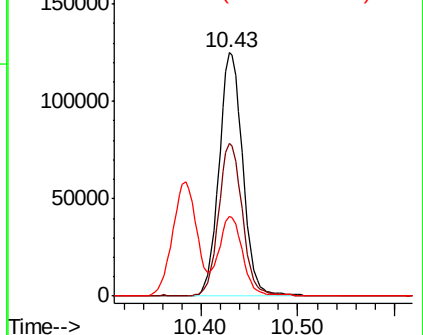


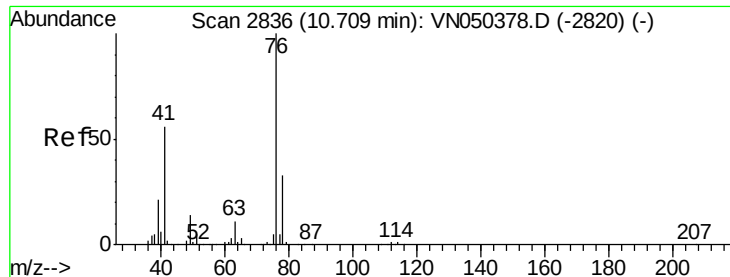
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 18.27 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

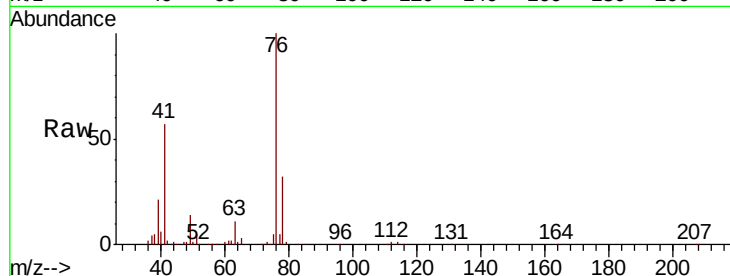
VN0808MBS01

Tot Ion: 76 Resp: 280283

Ion Ratio Lower Upper

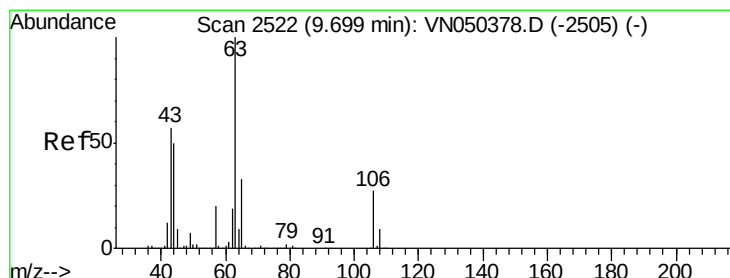
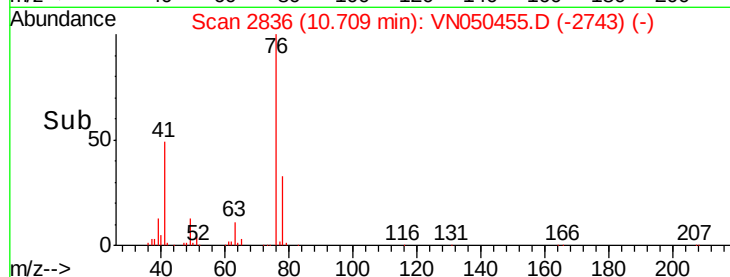
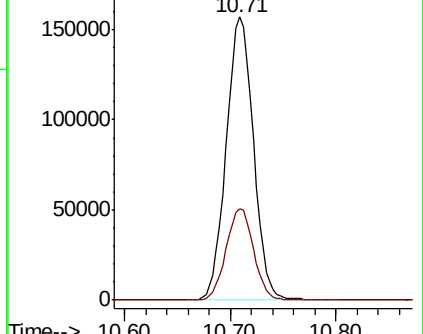
76 100

78 32.7 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 86.46 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050455.D

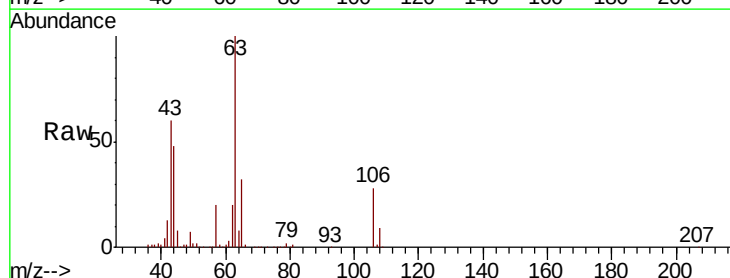
Acq: 8 Aug 2018 13:36

Tgt Ion: 63 Resp: 502287

Ion Ratio Lower Upper

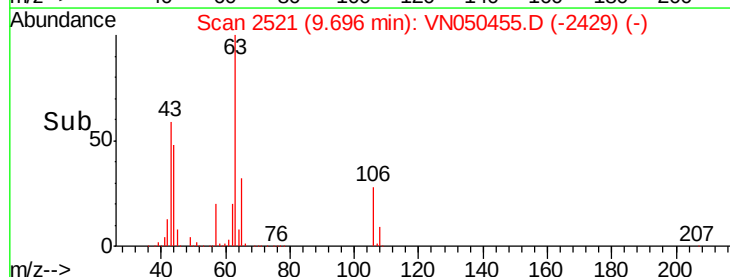
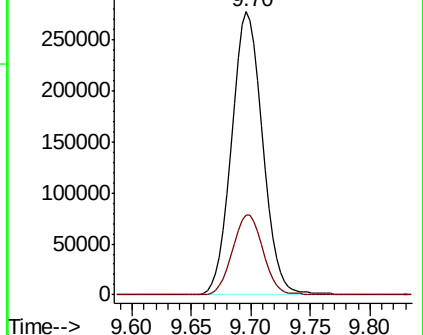
63 100

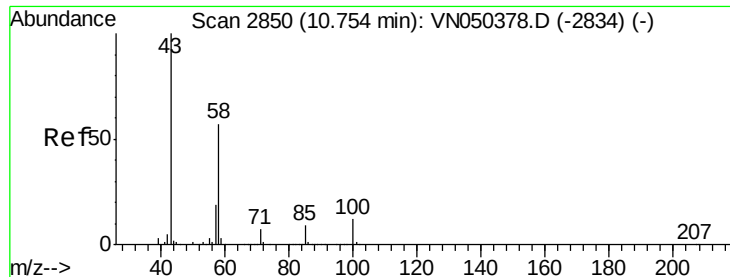
106 28.1 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

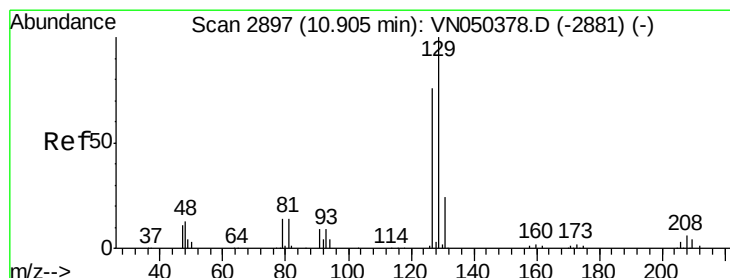
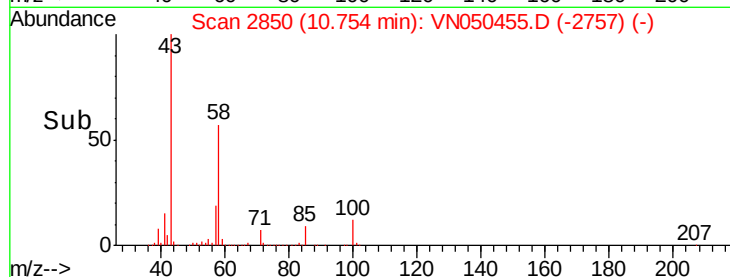
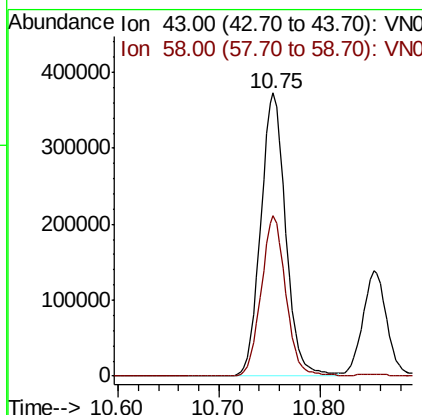
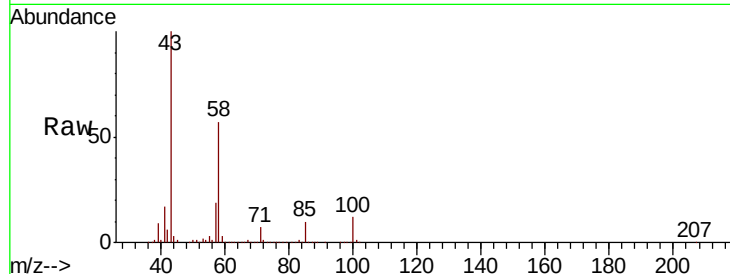




#59
2-Hexanone
Concen: 79.02 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

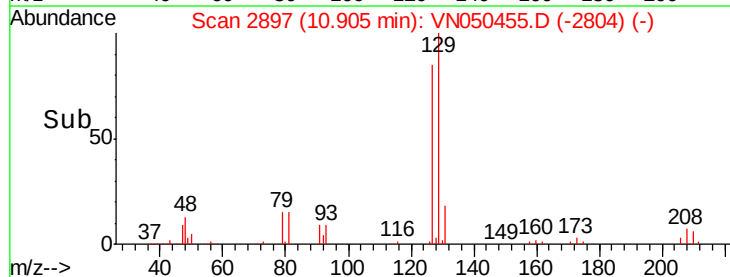
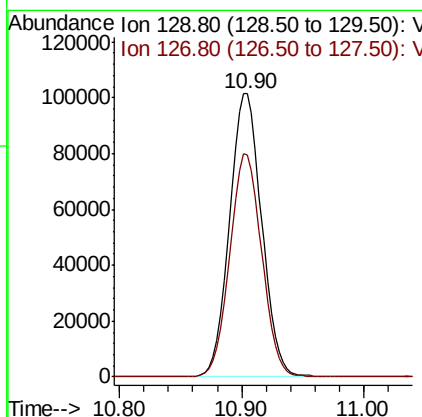
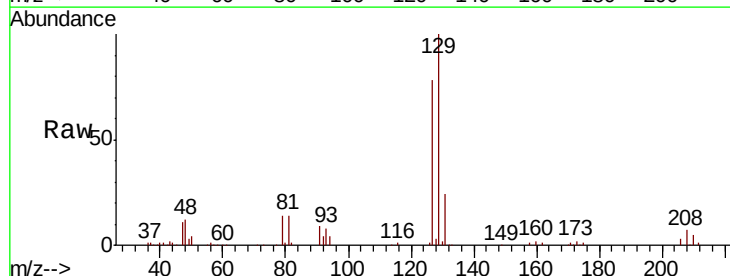
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

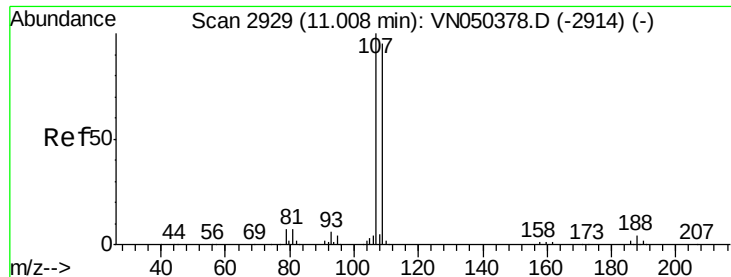
Tot Ion: 43 Resp: 640060
Ion Ratio Lower Upper
43 100
58 55.8 27.6 82.7



#60
Dibromochloromethane
Concen: 18.08 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion: 129 Resp: 186136
Ion Ratio Lower Upper
129 100
127 78.3 38.0 113.9

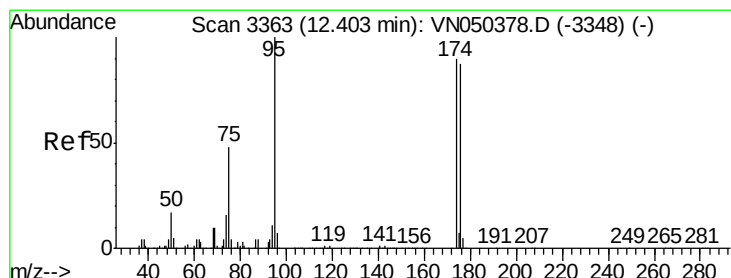
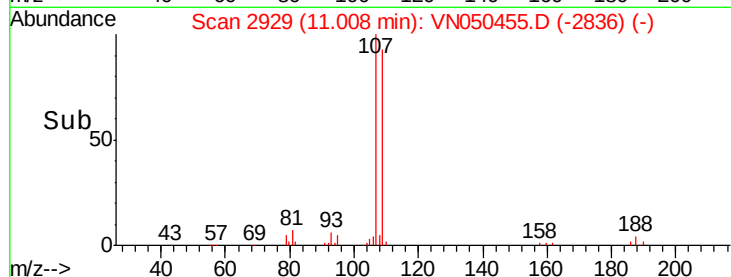
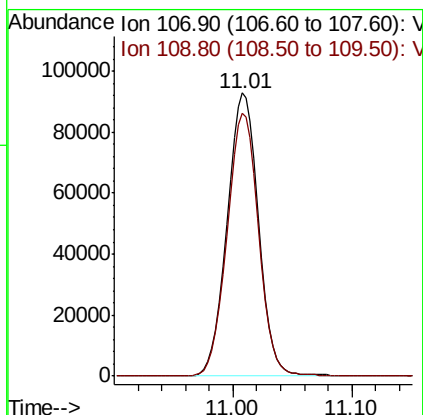
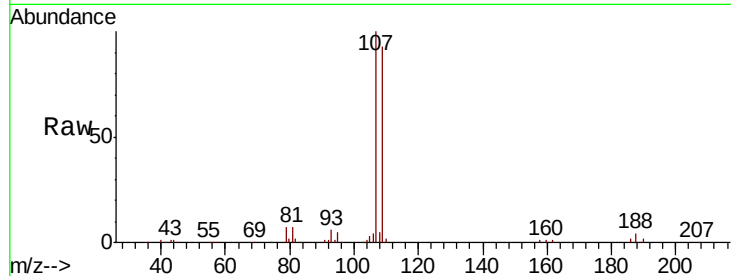




#61
 1,2-Dibromoethane
 Concen: 18.35 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

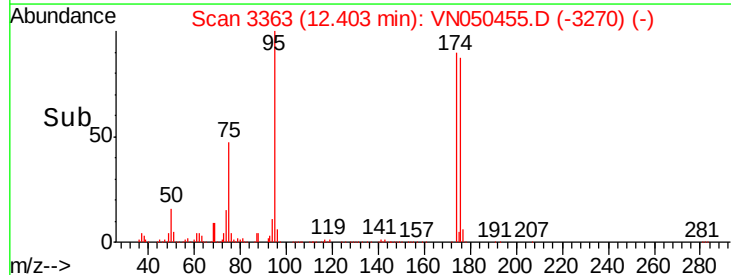
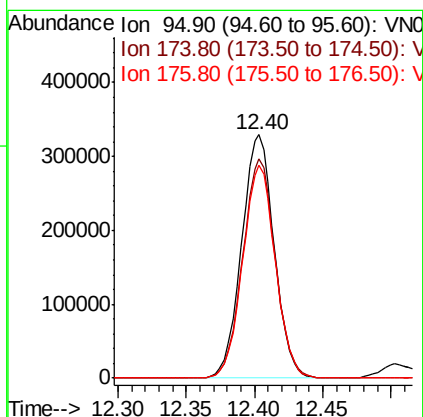
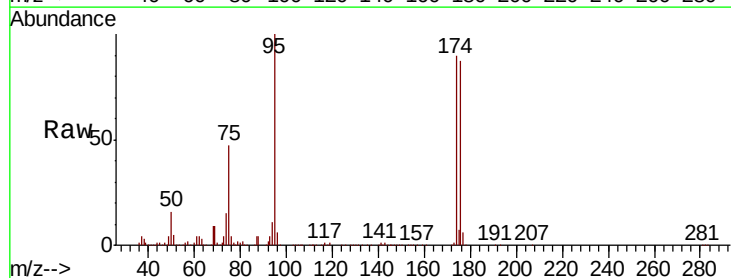
Instrument :
 MSVOA_N
 ClientSampled :
 VN0808MBS01

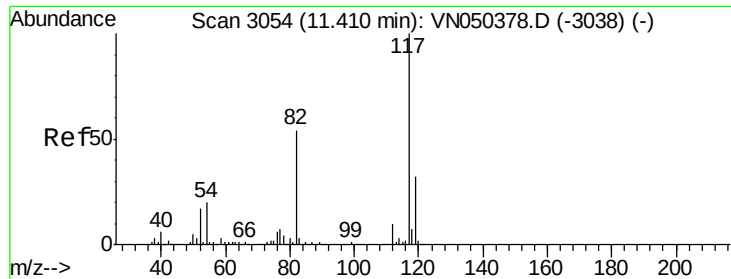
Tot Ion:107 Resp: 169053
 Ion Ratio Lower Upper
 107 100
 109 93.8 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 44.83 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion: 95 Resp: 543778
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 178.2
 176 87.9 0.0 173.4

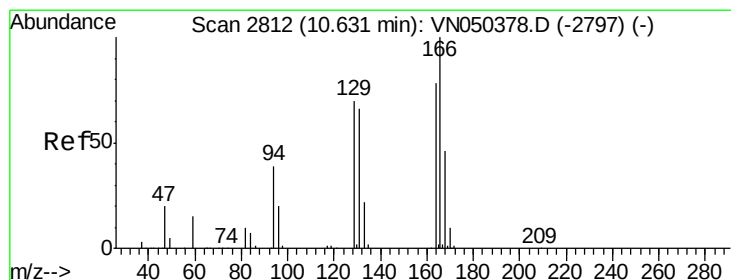
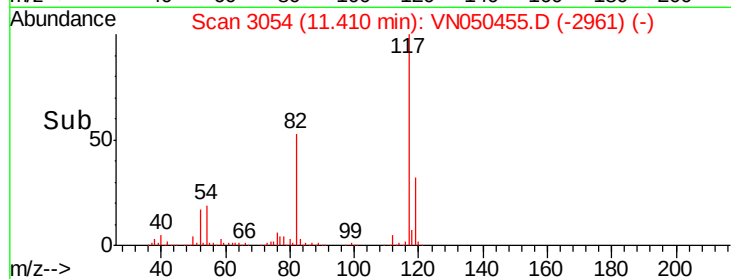
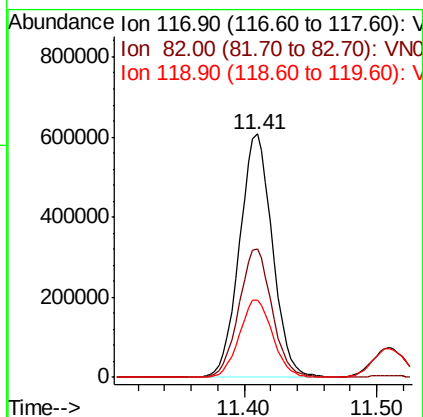
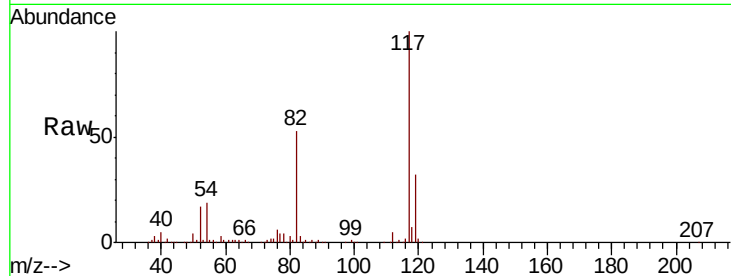




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

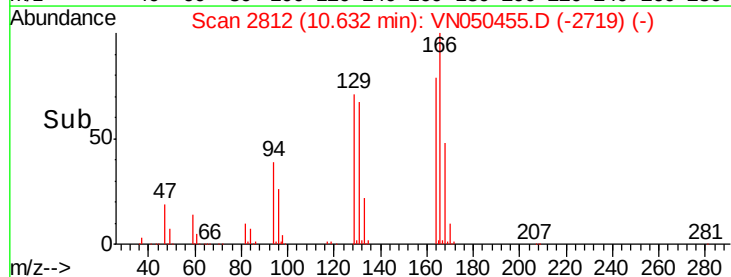
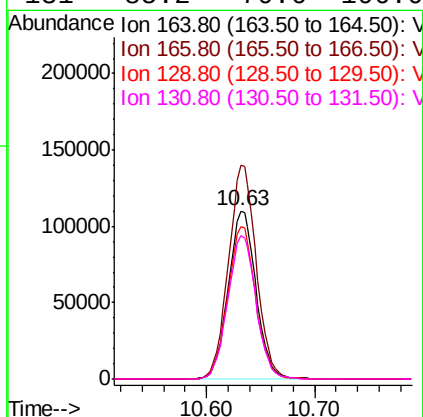
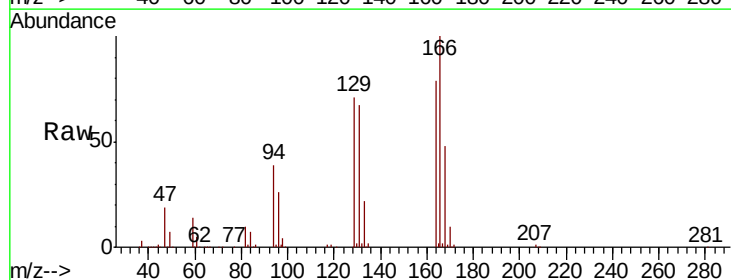
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

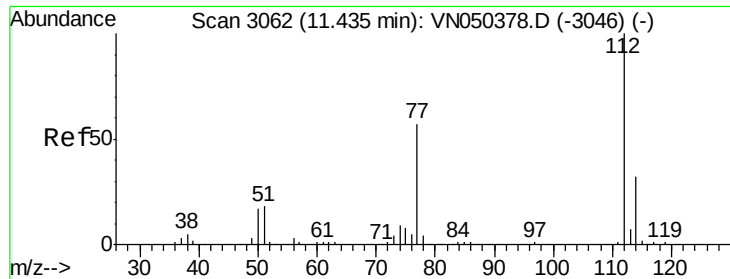
Tot Ion:117 Resp: 1046556
Ion Ratio Lower Upper
117 100
82 53.0 43.7 65.5
119 31.9 26.1 39.1



#64
Tetrachloroethene
Concen: 20.16 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion:164 Resp: 197125
Ion Ratio Lower Upper
164 100
166 127.3 102.1 153.1
129 90.9 73.2 109.8
131 85.2 70.6 106.0

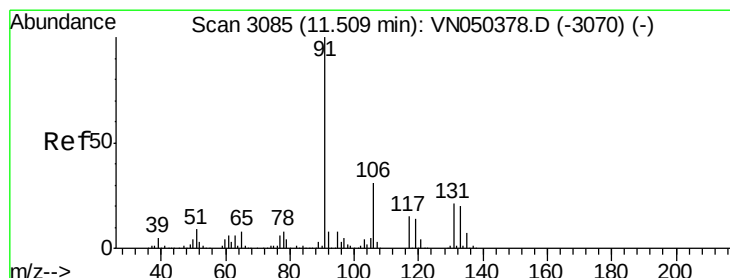
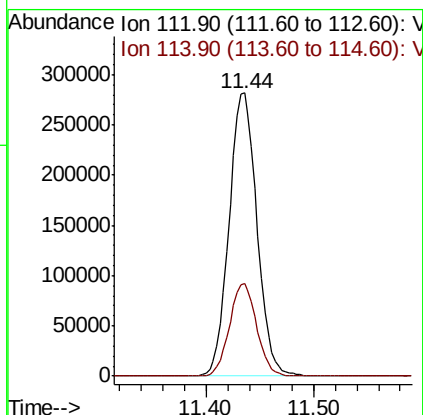
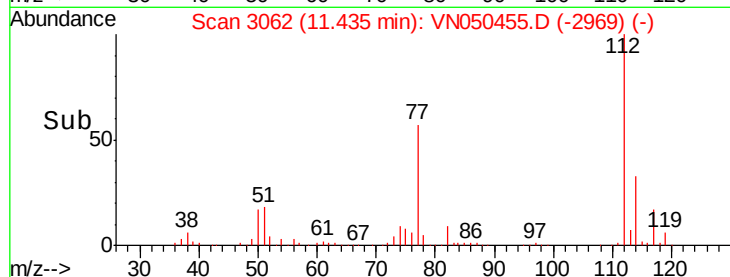
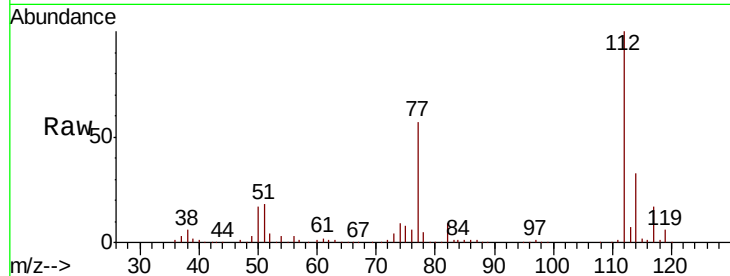




#65
Chlorobenzene
Concen: 19.23 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

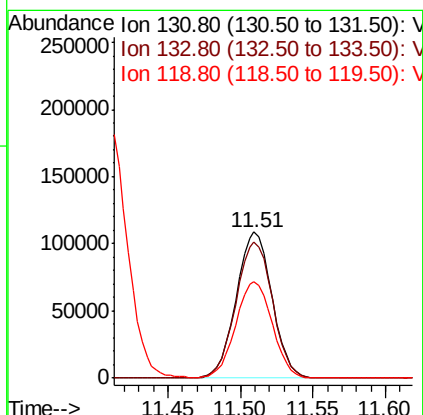
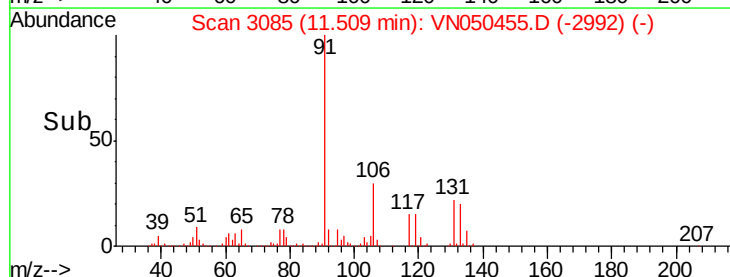
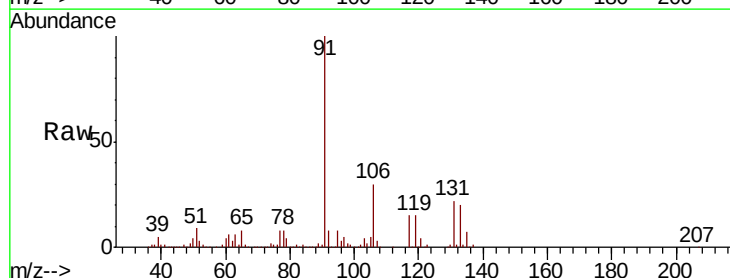
Instrument :
MSVOA_N
ClientSampled :
VN0808MBS01

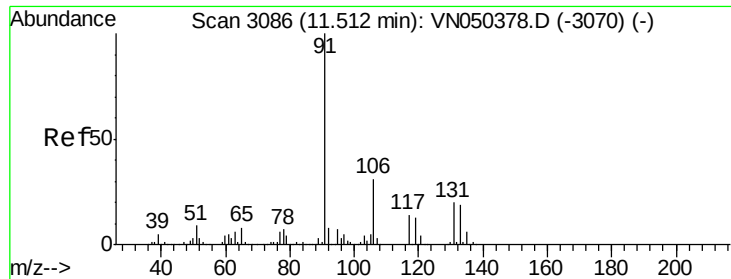
Tot Ion:112 Resp: 504490
Ion Ratio Lower Upper
112 100
114 32.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.58 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion:131 Resp: 186929
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 67.3 32.9 98.7





#67

Ethyl Benzene

Concen: 20.10 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampled :

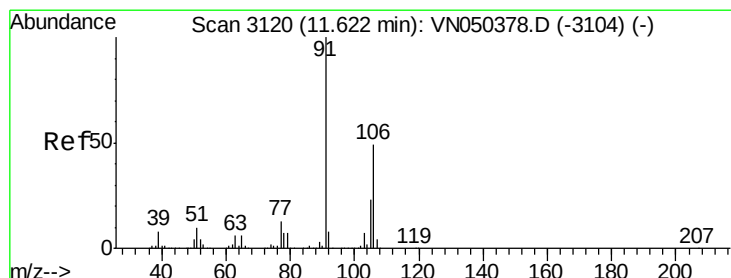
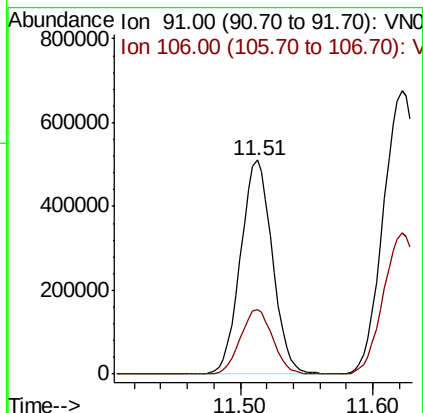
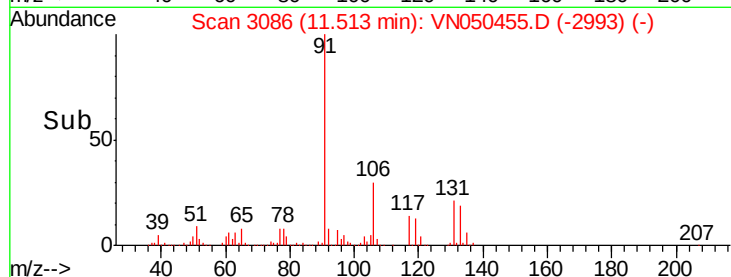
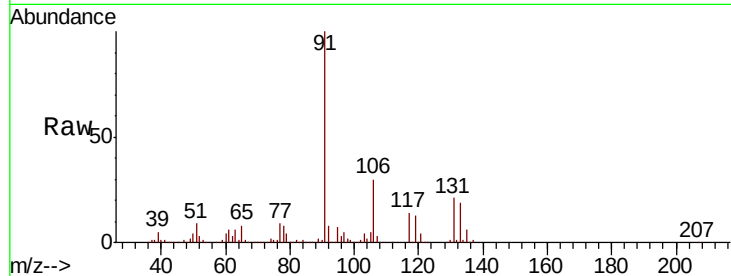
VN0808MBS01

Tot Ion: 91 Resp: 852540

Ion Ratio Lower Upper

91 100

106 30.2 25.0 37.4



#68

m/p-Xylenes

Concen: 40.63 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050455.D

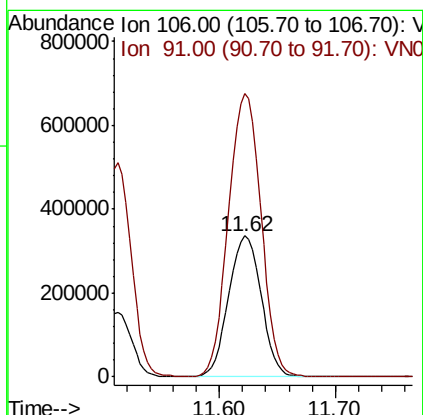
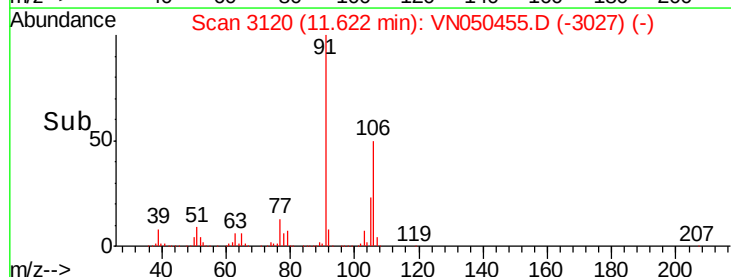
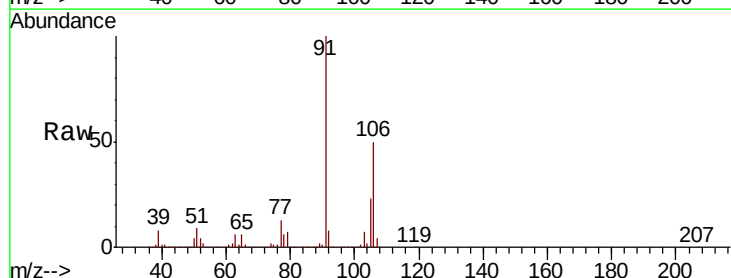
Acq: 8 Aug 2018 13:36

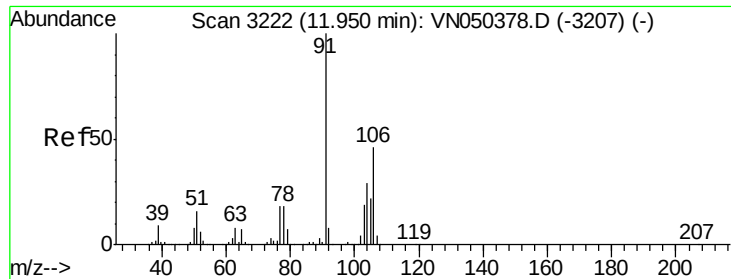
Tgt Ion: 106 Resp: 656031

Ion Ratio Lower Upper

106 100

91 200.4 162.2 243.2

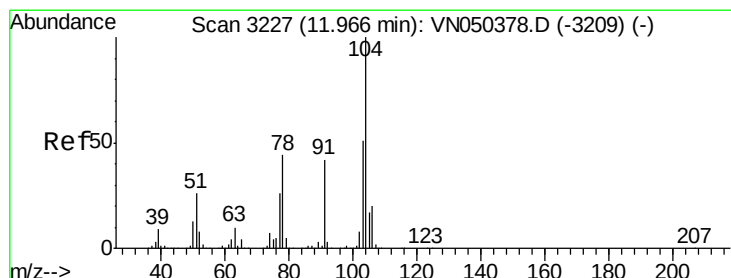
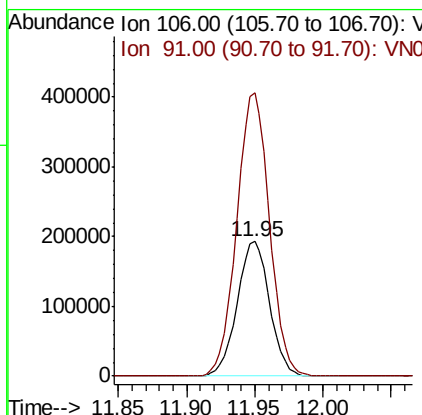
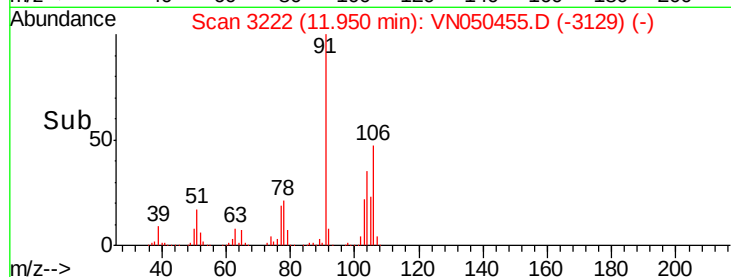
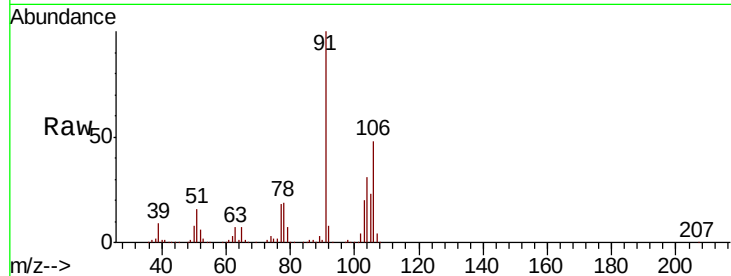




#69
o-Xylene
Concen: 20.47 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

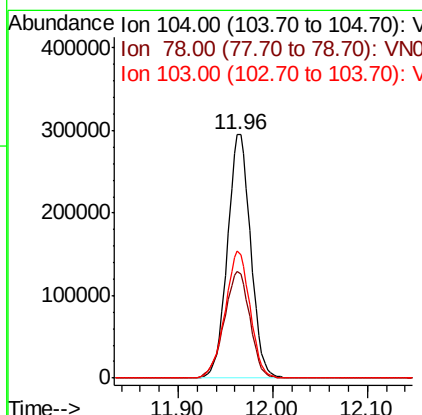
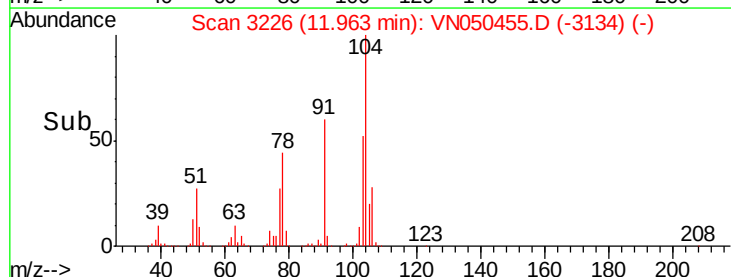
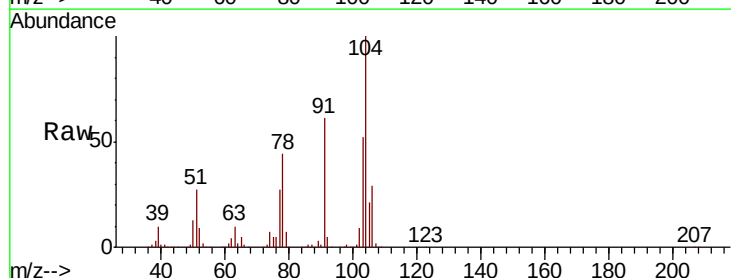
Instrument :
MSVOA_N
ClientSampled :
VN0808MBS01

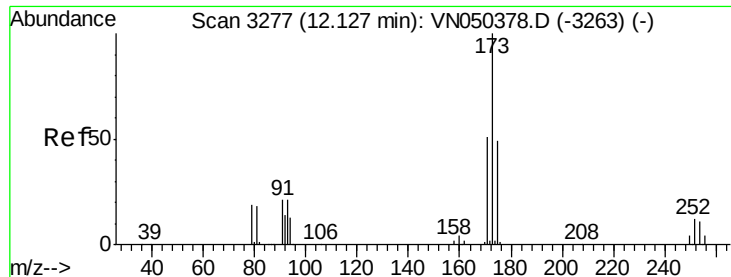
Tot Ion:106 Resp: 318324
Ion Ratio Lower Upper
106 100
91 211.9 107.7 323.1



#70
Styrene
Concen: 19.92 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion:104 Resp: 503805
Ion Ratio Lower Upper
104 100
78 48.4 39.3 58.9
103 55.9 45.0 67.6

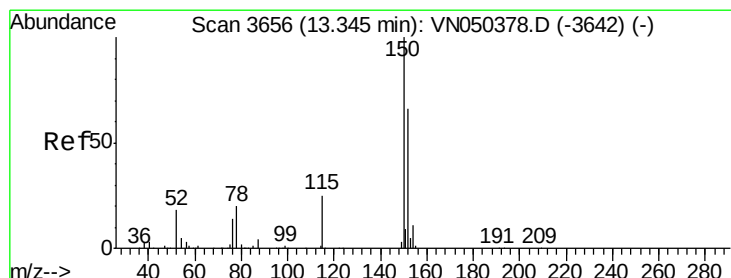
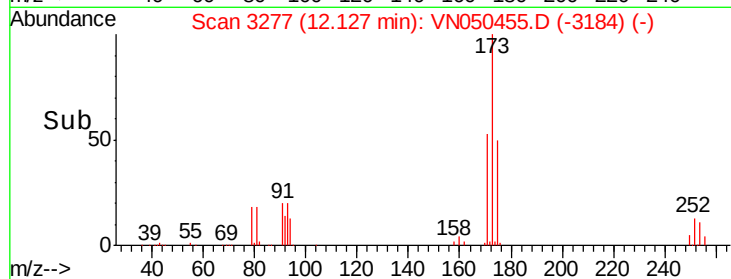
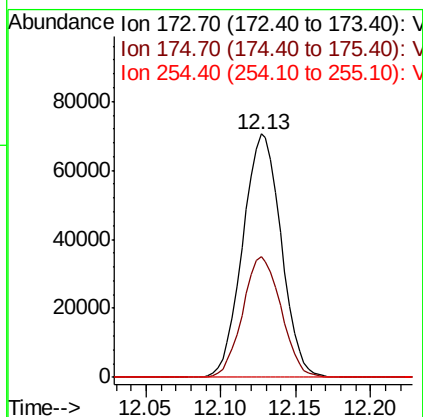
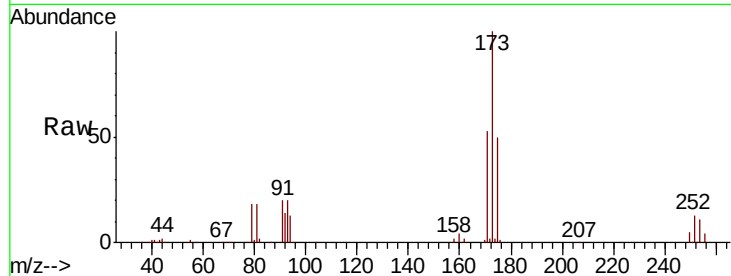




#71
 Bromoform
 Concen: 18.07 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

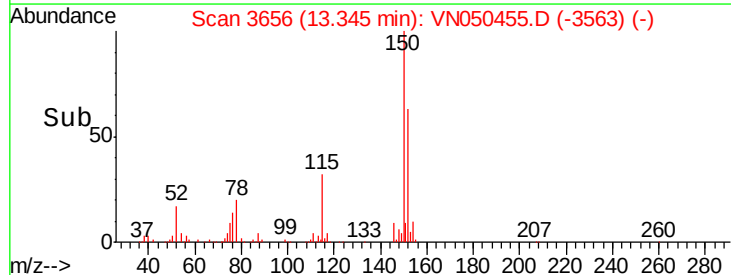
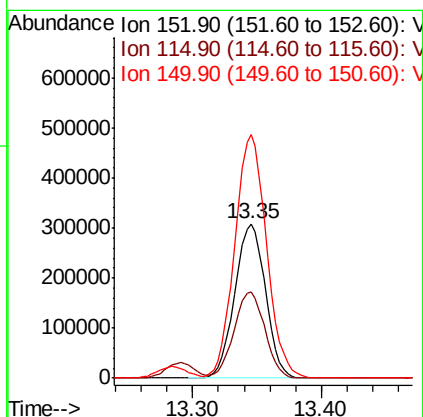
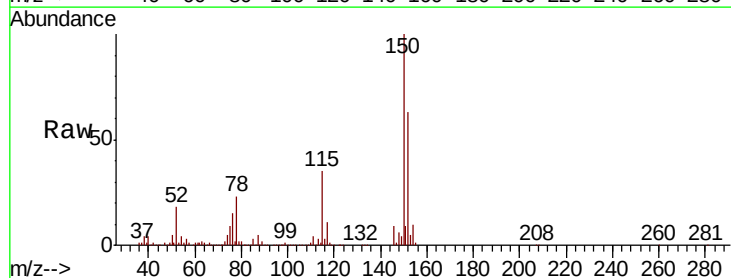
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

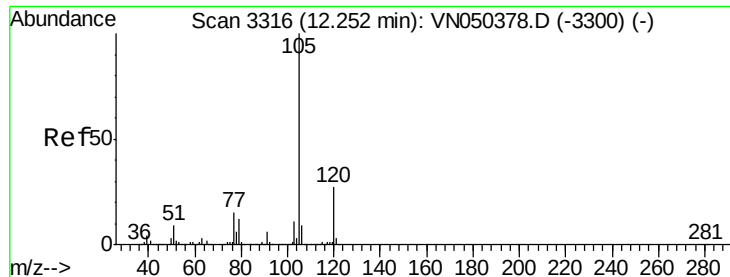
Tot Ion:173 Resp: 126143
 Ion Ratio Lower Upper
 173 100
 175 49.5 24.1 72.2
 254 0.0 0.2 0.2#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion:152 Resp: 508390
 Ion Ratio Lower Upper
 152 100
 115 56.0 27.8 83.3
 150 163.9 0.0 348.6





#73

Isopropylbenzene

Concen: 21.83 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

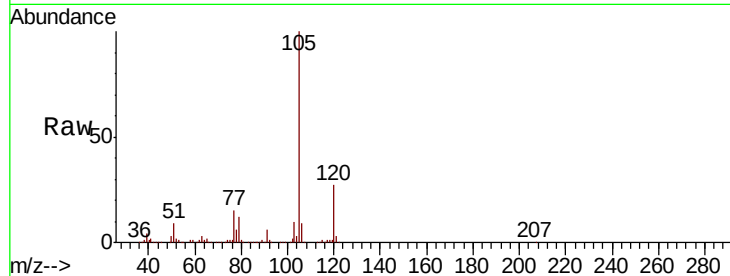
VN0808MBS01

Tot Ion:105 Resp: 833126

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

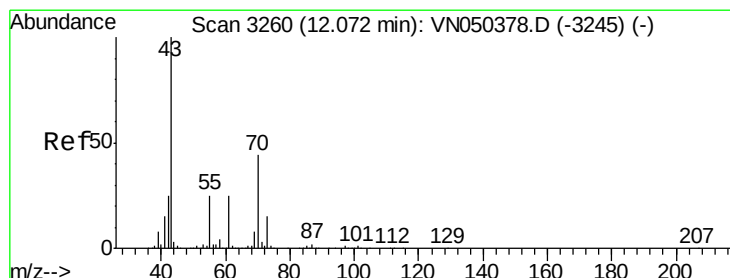
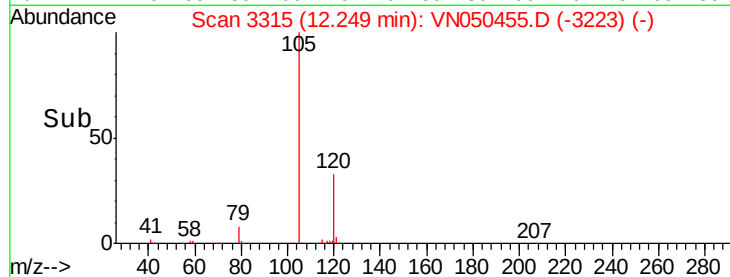
200000

100000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 18.59 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Tgt Ion: 43 Resp: 229939

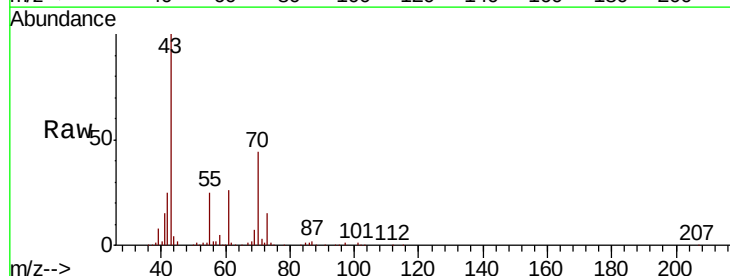
Ion Ratio Lower Upper

43 100

70 44.4 34.4 51.6

55 25.5 20.8 31.2

61 25.8 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

200000

150000

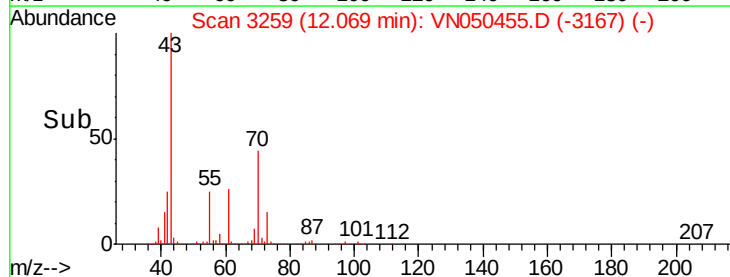
100000

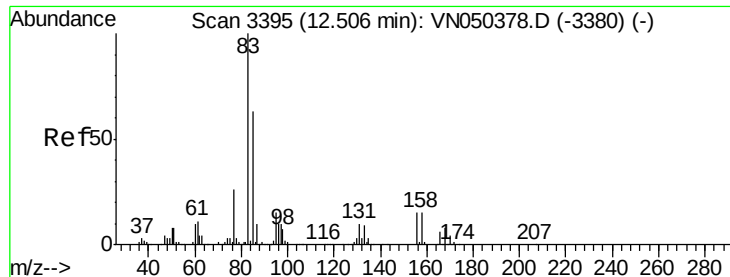
50000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.81 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

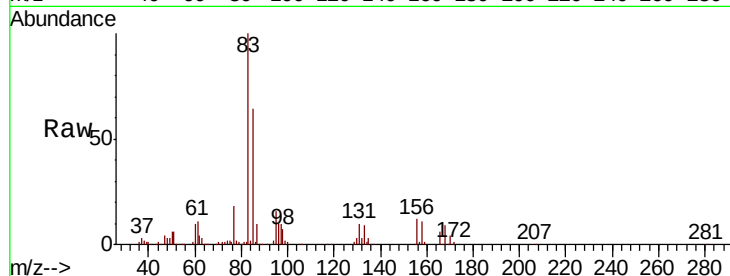
Tot Ion: 83 Resp: 207108

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

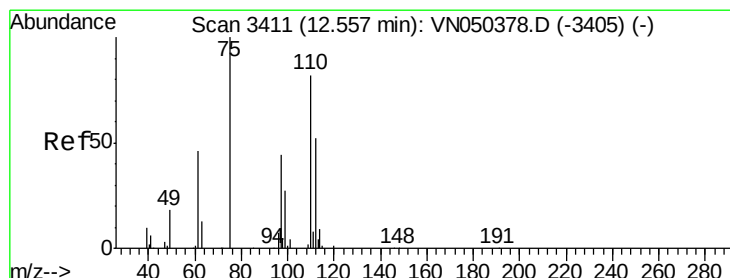
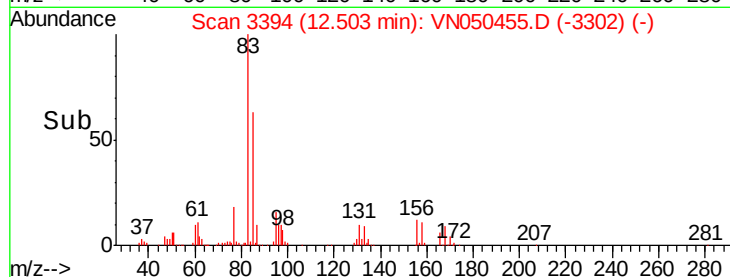
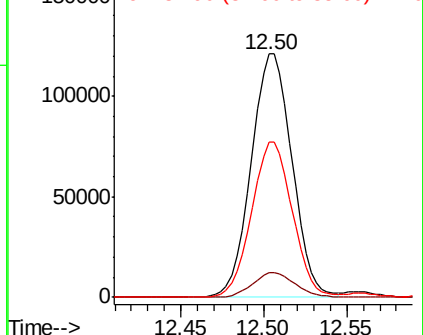
85 63.7 32.3 96.8



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: 26.83 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050455.D

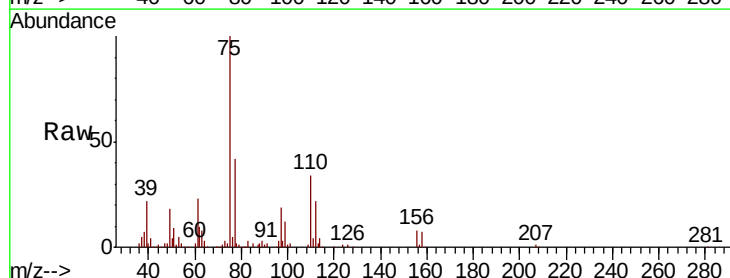
Acq: 8 Aug 2018 13:36

Tgt Ion: 75 Resp: 246923

Ion Ratio Lower Upper

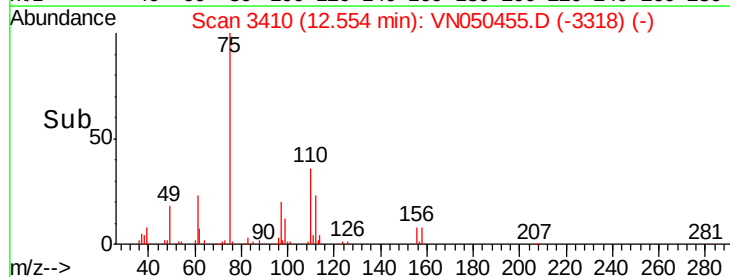
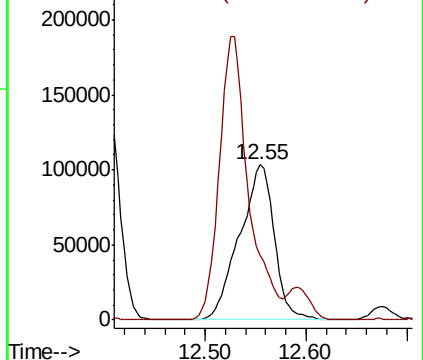
75 100

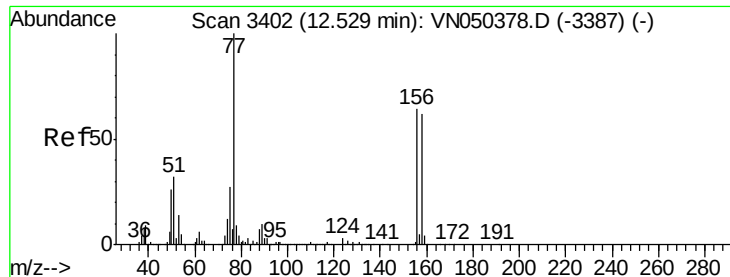
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.26 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampled :

VN0808MBS01

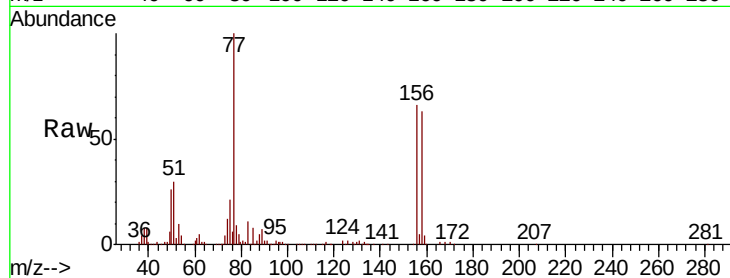
Tot Ion:156 Resp: 217324

Ion Ratio Lower Upper

156 100

77 176.0 91.7 275.1

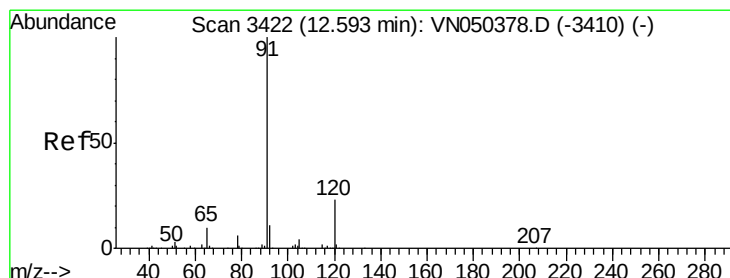
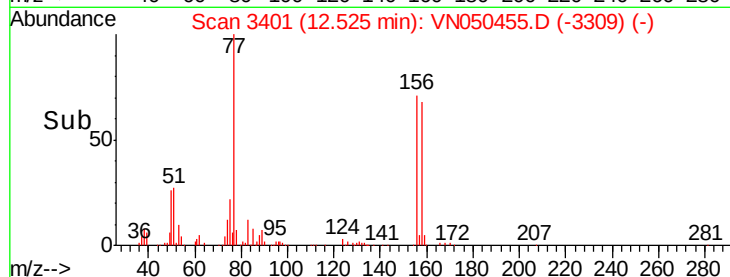
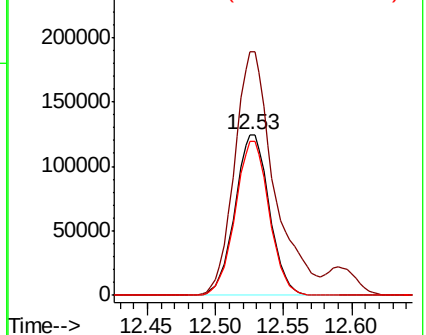
158 95.0 48.9 146.6



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: 21.15 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050455.D

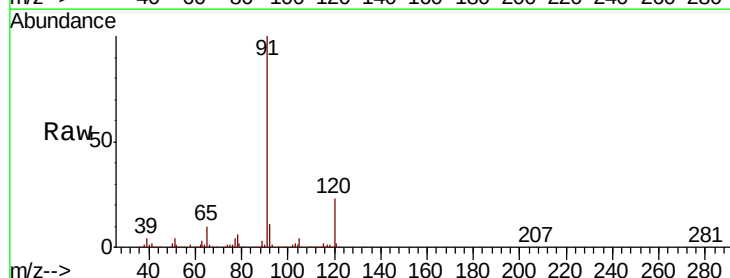
Acq: 8 Aug 2018 13:36

Tgt Ion: 91 Resp: 913638

Ion Ratio Lower Upper

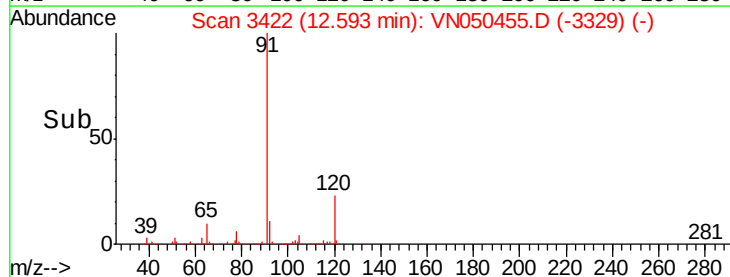
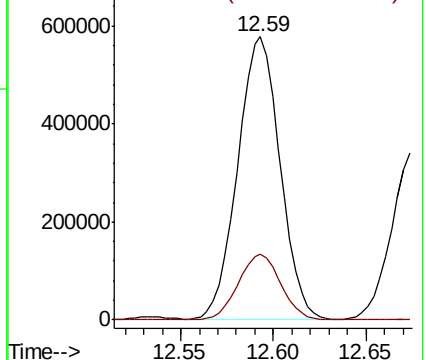
91 100

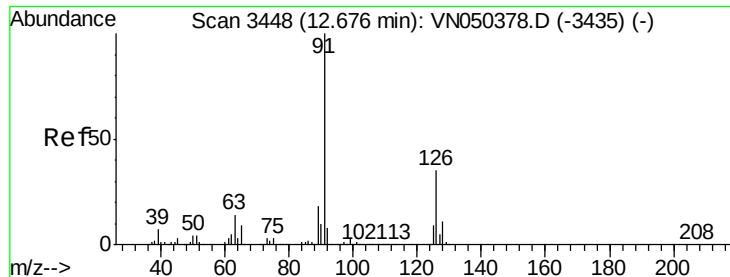
120 23.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.95 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

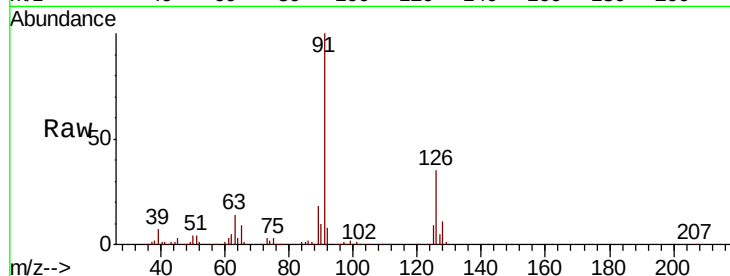
VN0808MBS01

Tot Ion: 91 Resp: 558832

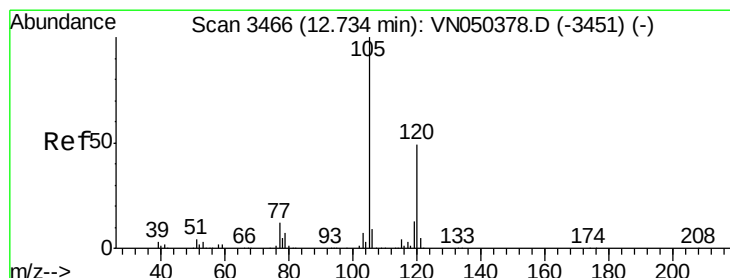
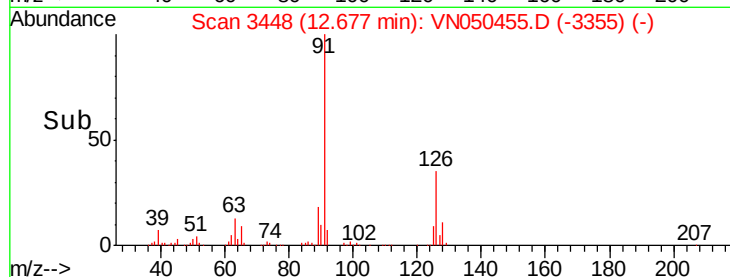
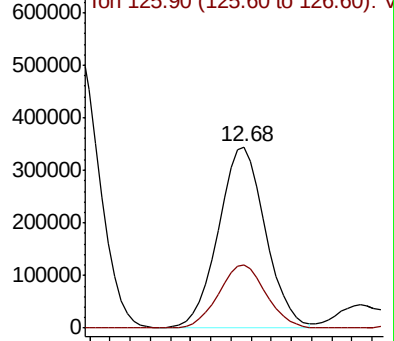
Ion Ratio Lower Upper

91 100

126 35.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.60 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050455.D

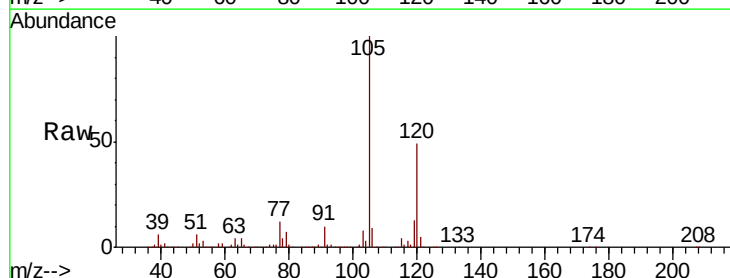
Acq: 8 Aug 2018 13:36

Tgt Ion: 105 Resp: 669050

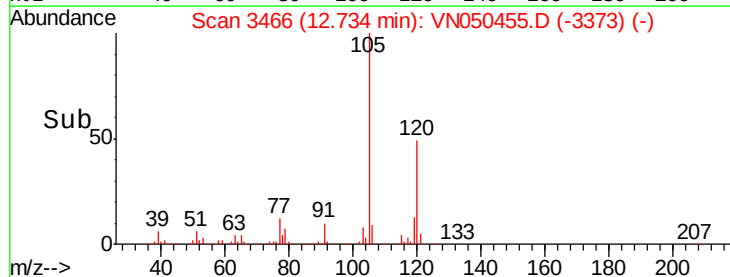
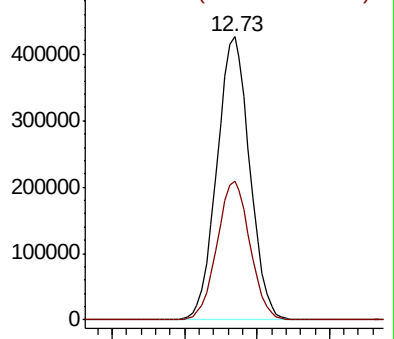
Ion Ratio Lower Upper

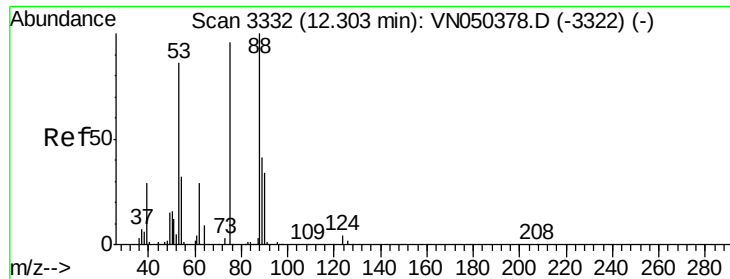
105 100

120 49.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.36 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

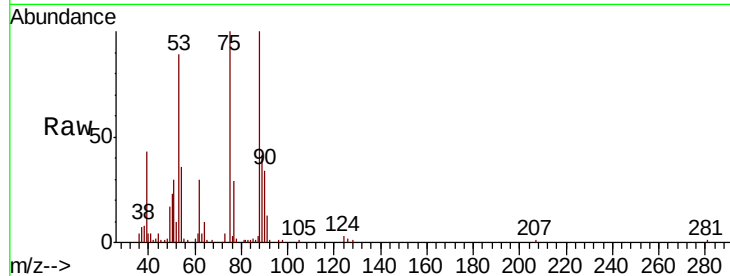
Tot Ion: 75 Resp: 50705

Ion Ratio Lower Upper

75 100

53 91.3 73.5 110.3

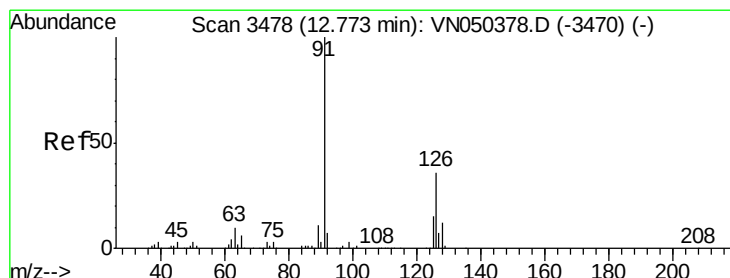
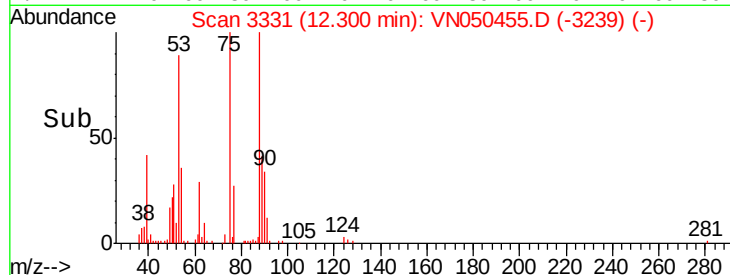
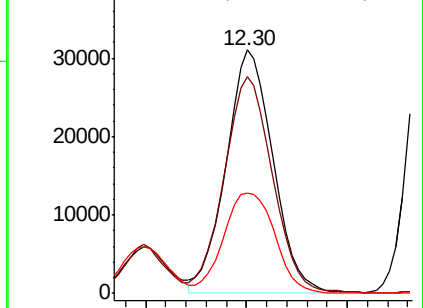
89 44.7 36.0 54.0



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: 20.90 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050455.D

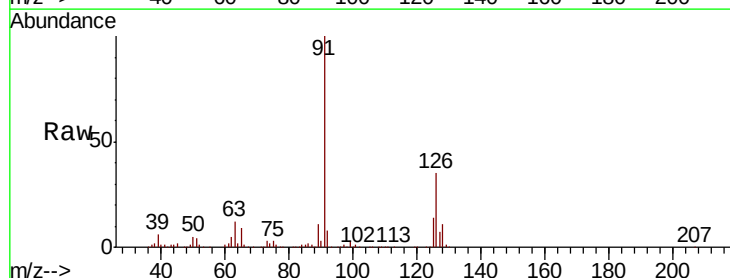
Acq: 8 Aug 2018 13:36

Tgt Ion: 91 Resp: 556122

Ion Ratio Lower Upper

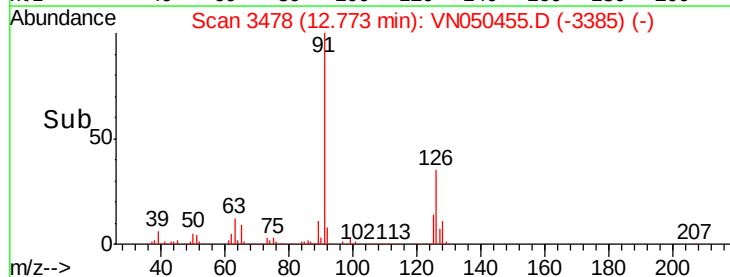
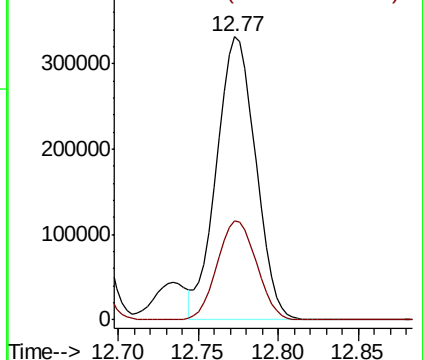
91 100

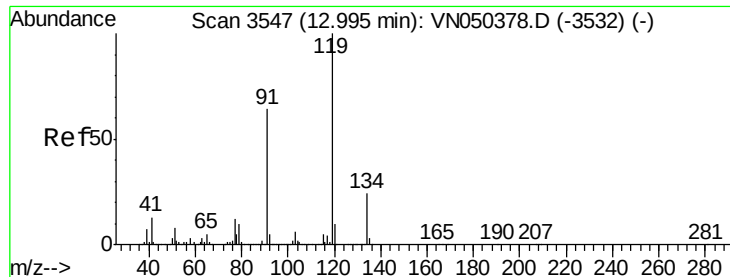
126 35.3 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

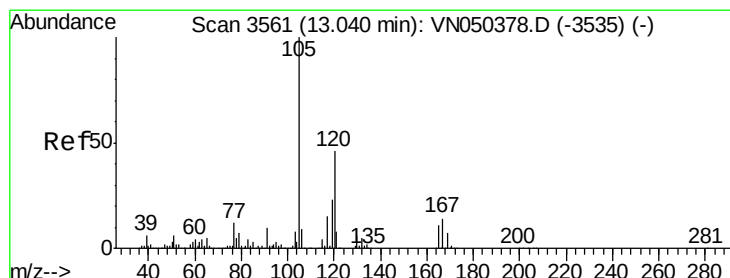
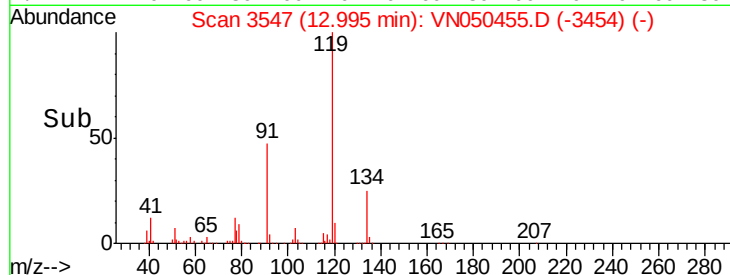
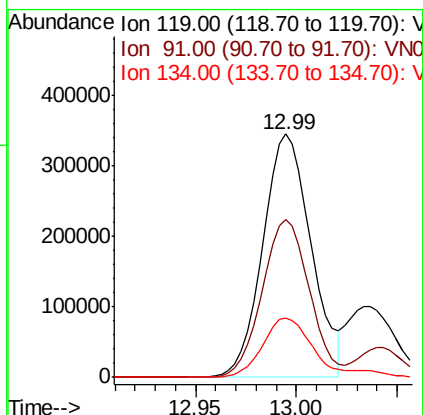
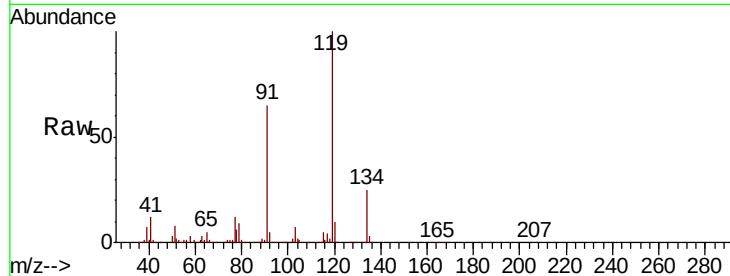




#83
 tert-Butylbenzene
 Concen: 21.29 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

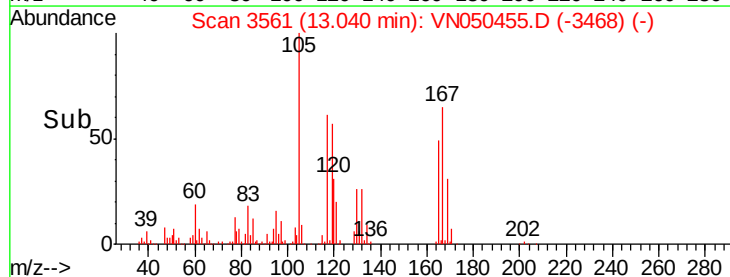
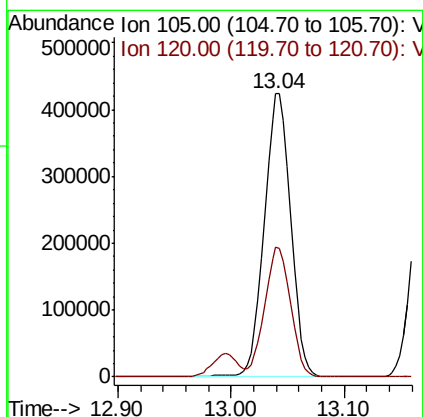
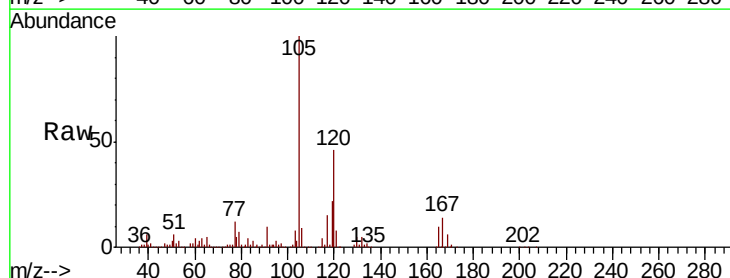
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

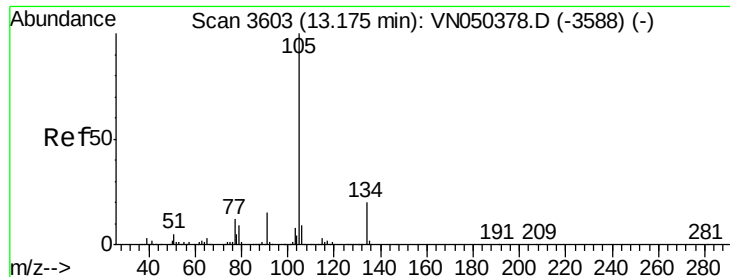
Tot Ion:119 Resp: 575342
 Ion Ratio Lower Upper
 119 100
 91 63.4 32.1 96.3
 134 26.6 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.89 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion:105 Resp: 686869
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.9 68.7





#85

sec-Butylbenzene

Concen: 20.56 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampled :

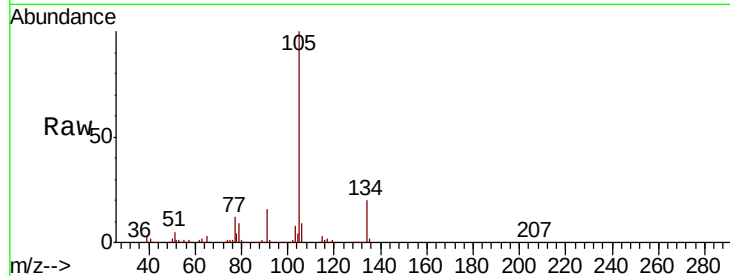
VN0808MBS01

Tot Ion:105 Resp: 740625

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

13.17

500000

400000

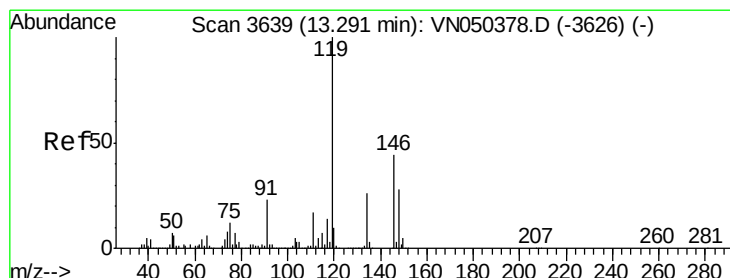
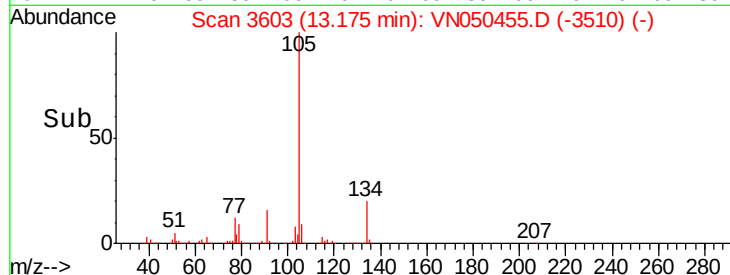
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.84 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

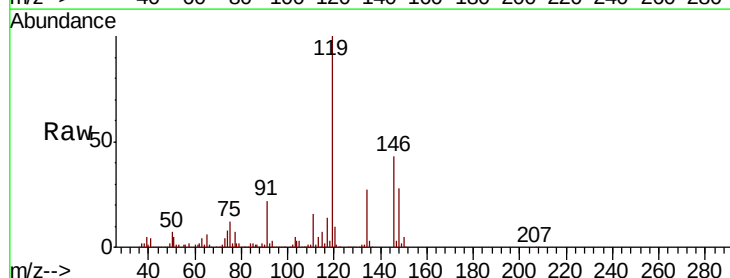
Tgt Ion:119 Resp: 643404

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 22.3 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

13.29

500000

400000

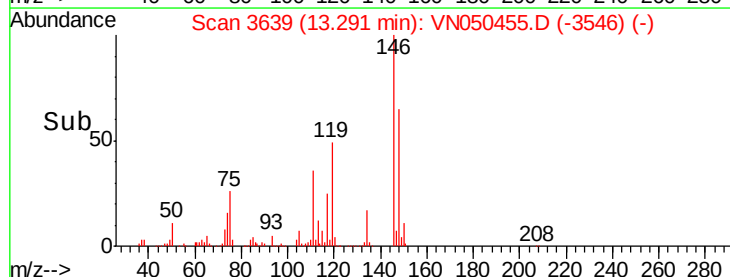
300000

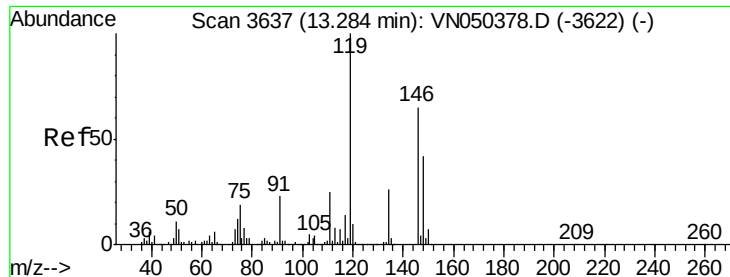
200000

100000

0

Time--> 13.20 13.25 13.30 13.35

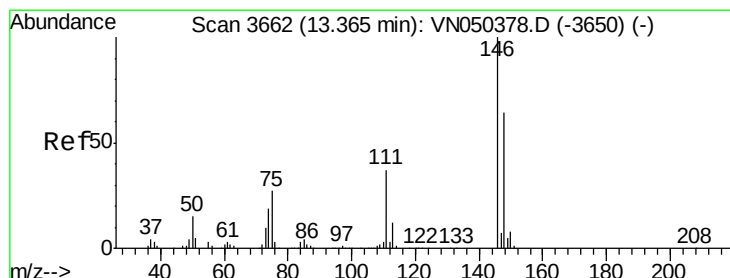
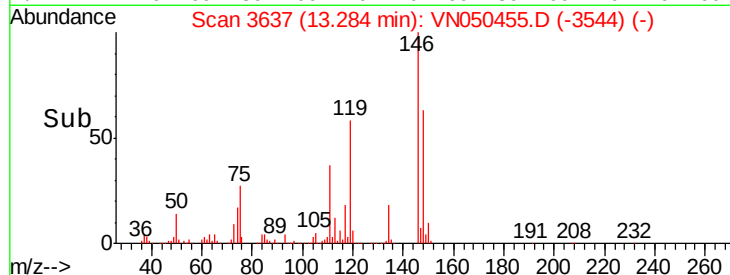
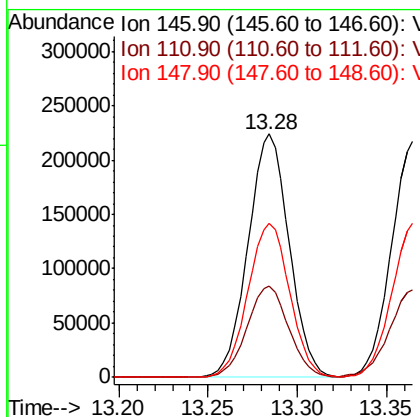
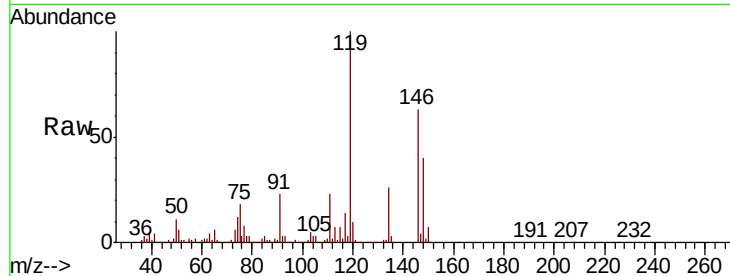




#87
 1,3-Dichlorobenzene
 Concen: 19.80 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

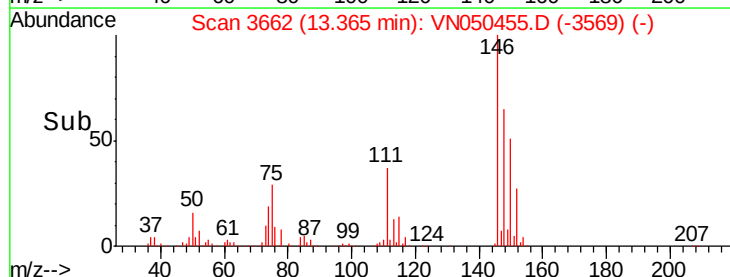
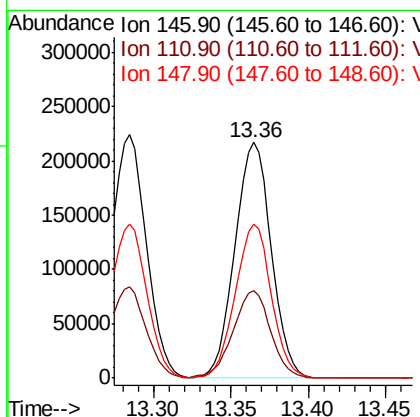
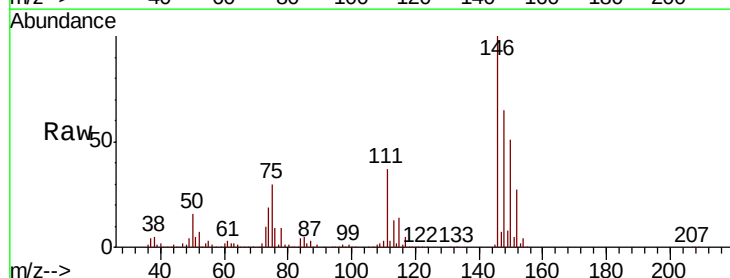
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBS01

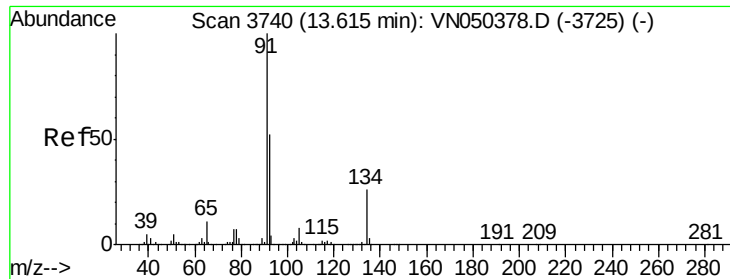
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	64.3	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.3	54.9
148	64.7	31.9	95.9

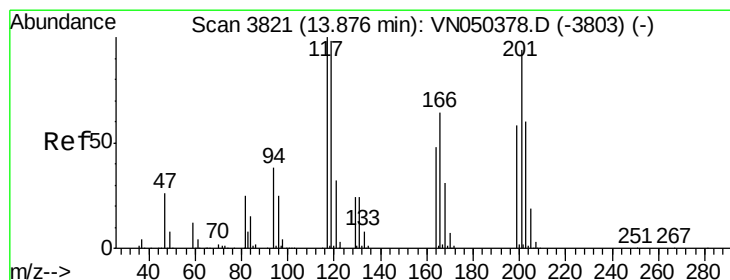
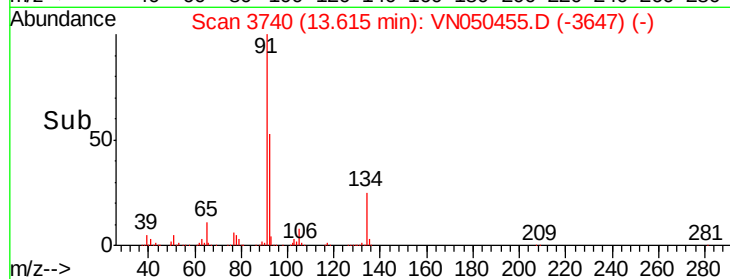
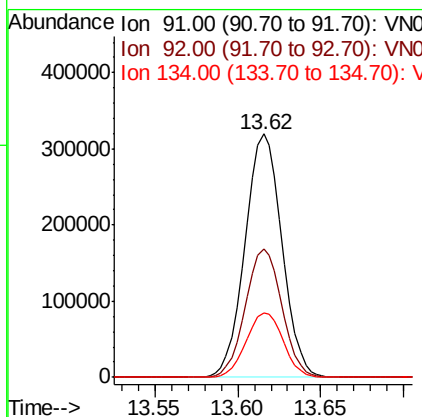
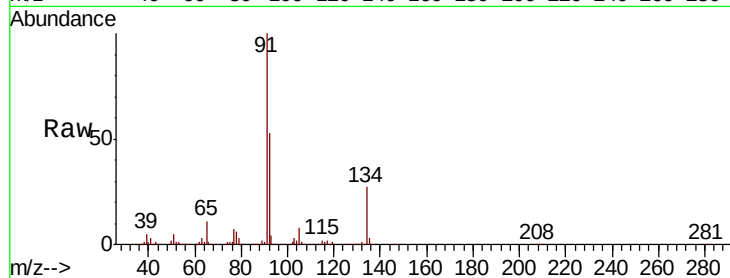




#89
n-Butylbenzene
Concen: 18.81 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

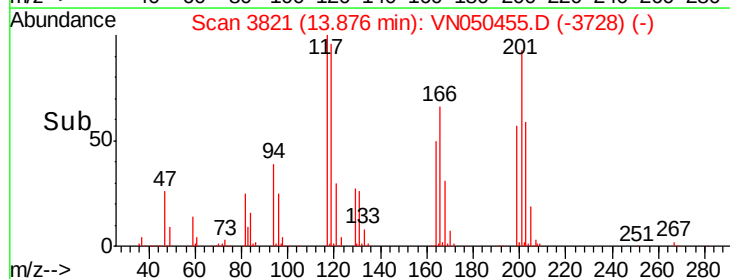
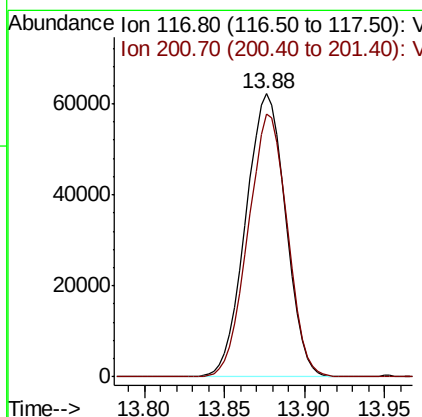
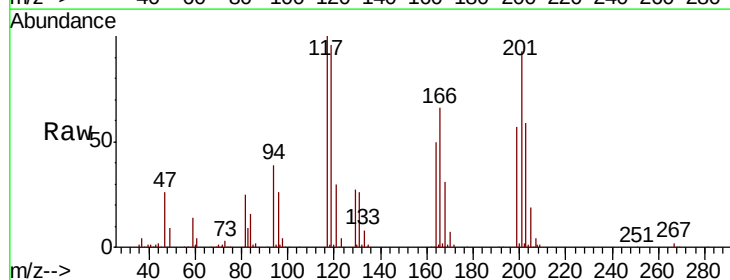
Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

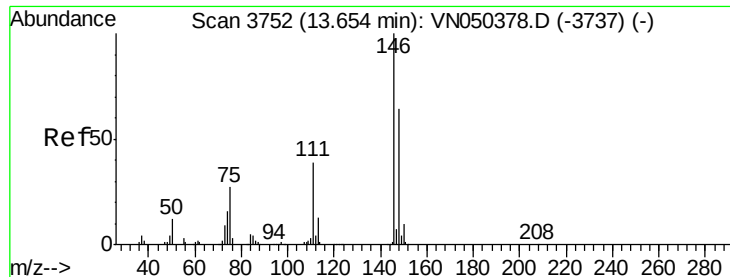
Tot Ion: 91 Resp: 494359
Ion Ratio Lower Upper
91 100
92 52.3 25.8 77.4
134 26.8 12.8 38.4



#90
Hexachloroethane
Concen: 19.33 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050455.D
Acq: 8 Aug 2018 13:36

Tgt Ion: 117 Resp: 106106
Ion Ratio Lower Upper
117 100
201 91.4 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 19.46 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

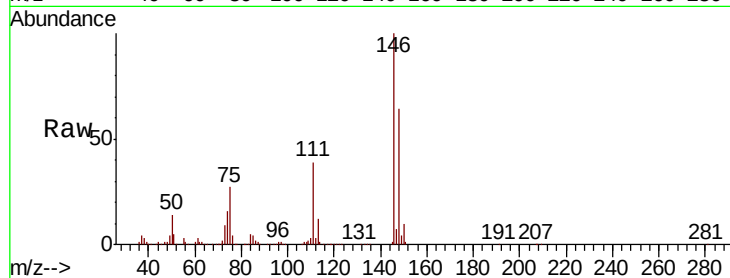
Tot Ion:146 Resp: 355294

Ion Ratio Lower Upper

146 100

111 40.0 19.6 58.7

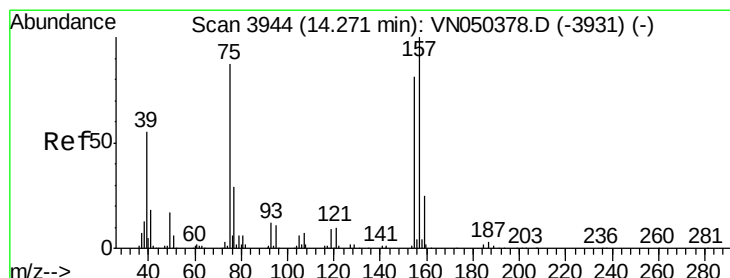
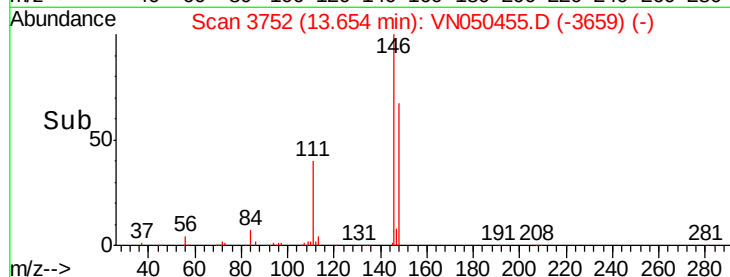
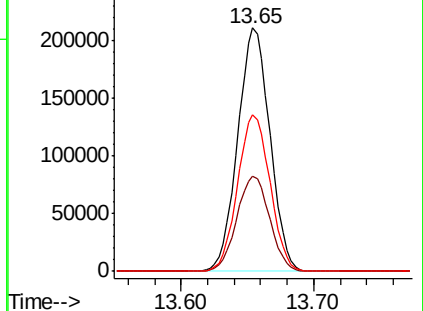
148 64.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.72 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

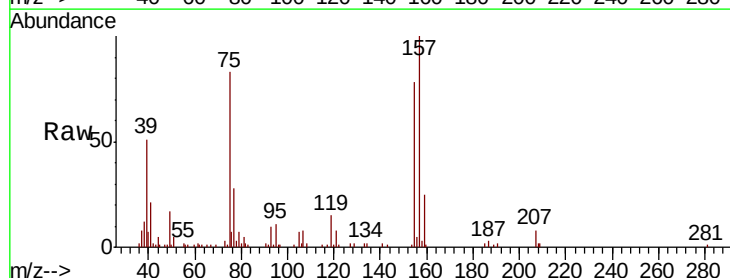
Tgt Ion: 75 Resp: 31257

Ion Ratio Lower Upper

75 100

155 91.1 44.8 134.4

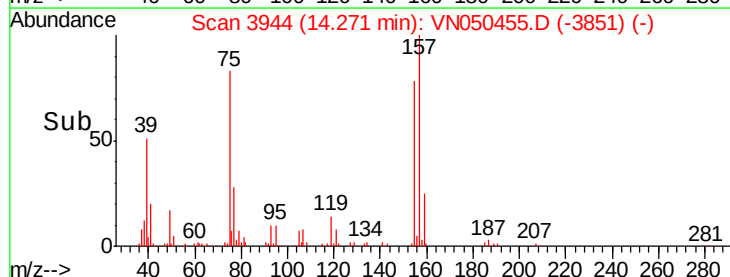
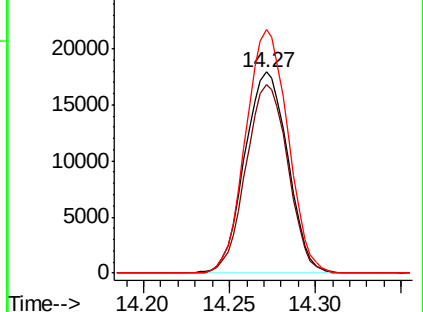
157 118.3 57.2 171.6

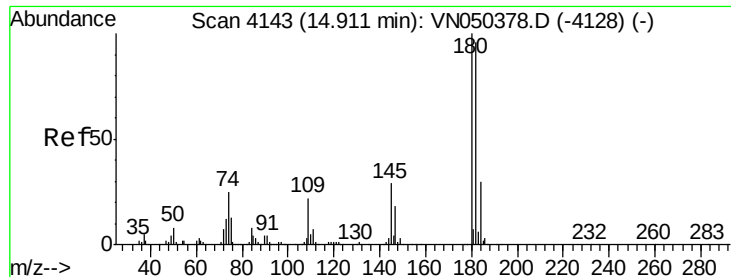


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

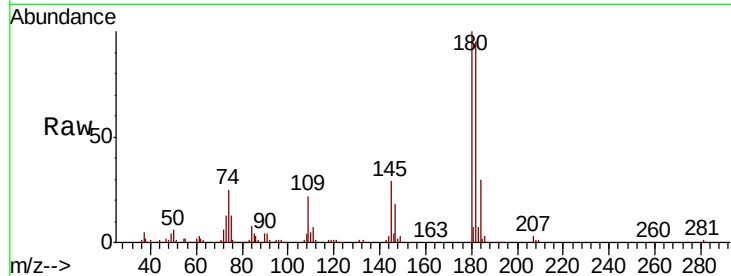




#93
 1,2,4-Trichlorobenzene
 Concen: 19.07 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0808MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.7	140.1
145	29.4	13.8	41.4

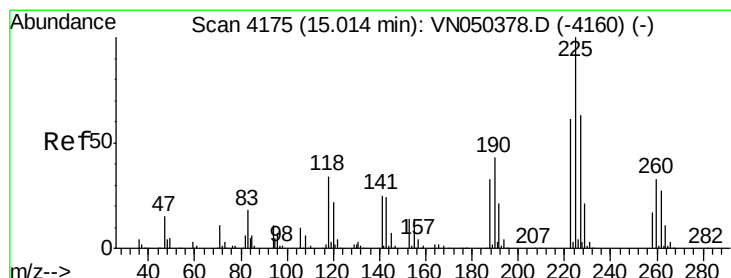
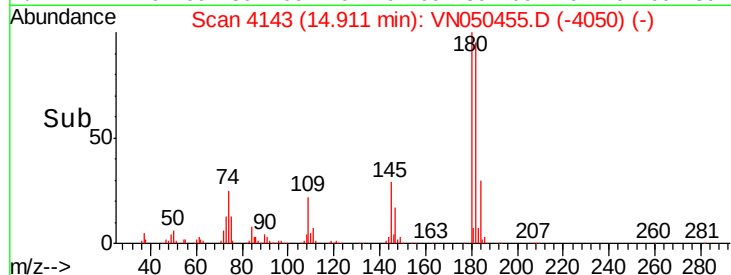
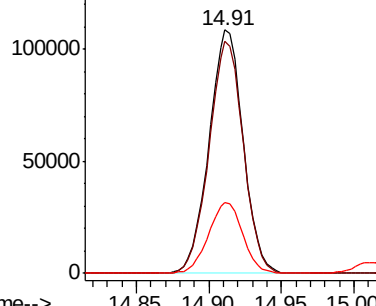


Abundance

Ion 179.80 (179.50 to 180.50): V

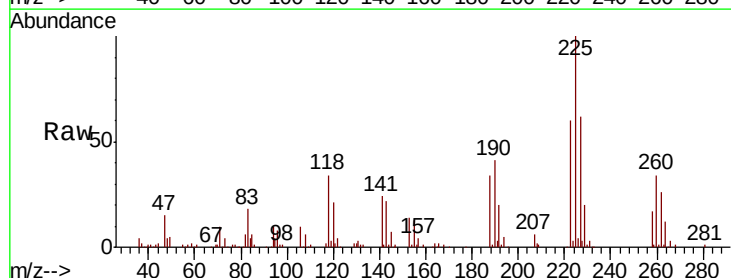
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.40 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050455.D
 Acq: 8 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.4	94.2
227	63.4	32.1	96.5

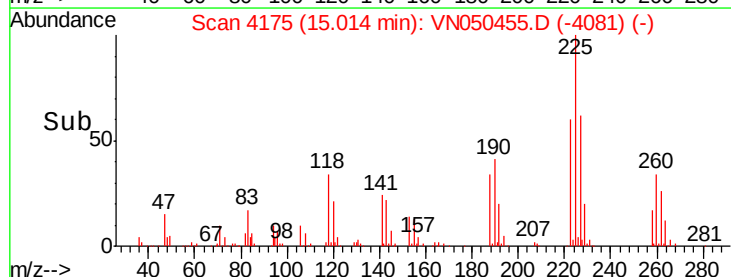
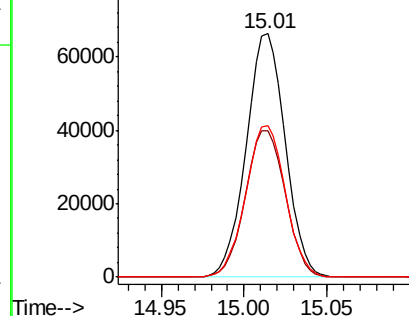


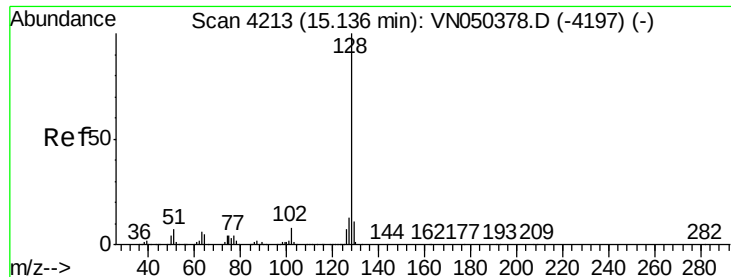
Abundance

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: 18.92 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBS01

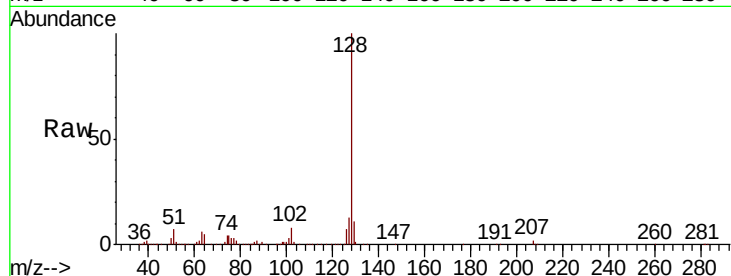
Tot Ion:128 Resp: 405955

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

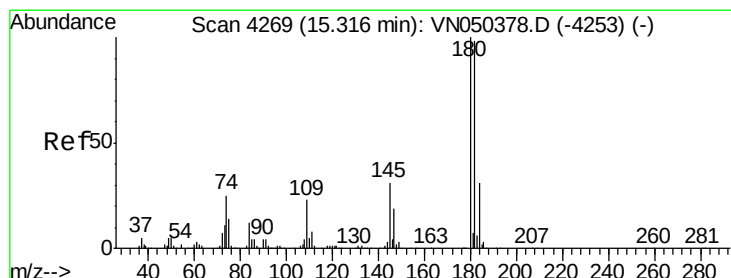
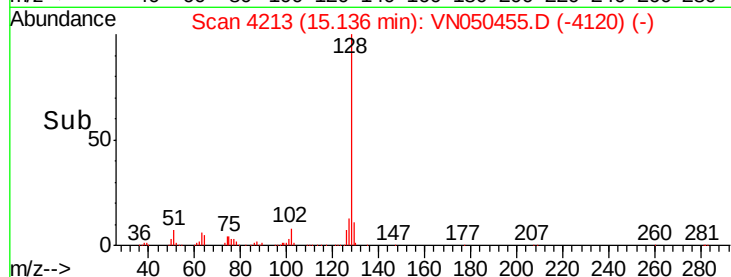
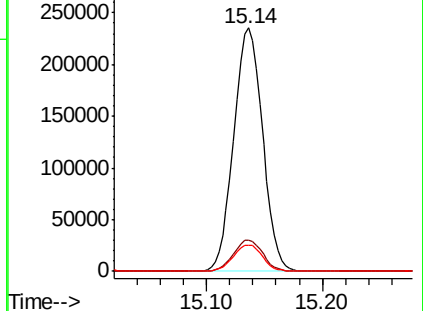
129 10.9 8.8 13.2



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: 18.65 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050455.D

Acq: 8 Aug 2018 13:36

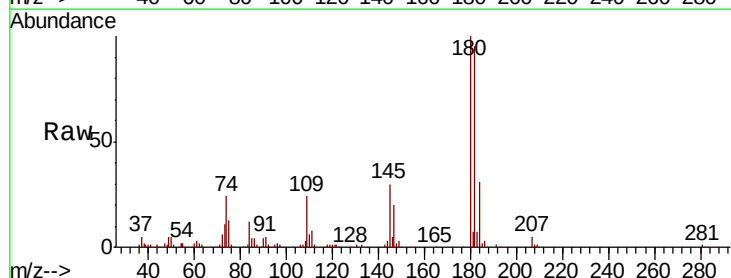
Tgt Ion:180 Resp: 175316

Ion Ratio Lower Upper

180 100

182 95.0 48.1 144.4

145 30.2 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

