

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050377.D
 Acq On : 6 Aug 2018 12:00
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 07 01:44:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 01:41:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	647297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	963495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	887932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	468647	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	180213	20.84	ug/l	0.00
Spiked Amount			Recovery	=	41.68%	
35) Dibromofluoromethane	7.59	113	159008	20.57	ug/l	0.00
Spiked Amount			Recovery	=	41.14%	
50) Toluene-d8	10.09	98	592828	20.39	ug/l	0.00
Spiked Amount			Recovery	=	40.78%	
62) 4-Bromofluorobenzene	12.40	95	195581	19.74	ug/l	0.00
Spiked Amount			Recovery	=	39.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	152755	21.259	ug/l	100
3) Chloromethane	2.06	50	185701	21.023	ug/l	99
4) Vinyl Chloride	2.18	62	194617	20.925	ug/l	99
5) Bromomethane	2.56	94	88855	19.807	ug/l	99
6) Chloroethane	2.70	64	119167	20.795	ug/l	98
7) Trichlorofluoromethane	3.01	101	247189	20.579	ug/l	100
8) Diethyl Ether	3.41	74	88749	20.148	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154687	20.839	ug/l	98
10) Methyl Iodide	3.95	142	52724	16.121	ug/l	98
11) Tert butyl alcohol	4.80	59	66419	95.600	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	141757	20.257	ug/l	97
13) Acrolein	3.61	56	93037	111.766	ug/l	98
14) Allyl chloride	4.32	41	224996	20.021	ug/l	98
15) Acrylonitrile	5.00	53	291398	100.131	ug/l	100
16) Acetone	3.82	43	255057	98.673	ug/l	98
17) Carbon Disulfide	4.05	76	440976	19.379	ug/l	100
18) Methyl Acetate	4.33	43	133986	19.876	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	404519	20.366	ug/l	100
20) Methylene Chloride	4.55	84	171260	20.807	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	154511	20.403	ug/l	97
22) Diisopropyl ether	5.96	45	486548	21.193	ug/l	97
23) Vinyl Acetate	5.90	43	1695709	103.524	ug/l	100
24) 1,1-Dichloroethane	5.85	63	290030	20.589	ug/l	99
25) 2-Butanone	6.84	43	427740	99.809	ug/l	99
26) 2,2-Dichloropropane	6.83	77	237051	20.413	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	171050	20.379	ug/l	98
28) Bromochloromethane	7.20	49	137627	21.224	ug/l	100
29) Tetrahydrofuran	7.22	42	227591	99.217	ug/l	99
30) Chloroform	7.37	83	290046	20.596	ug/l	99
31) Cyclohexane	7.66	56	253157	20.042	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	247451	20.460	ug/l	99
36) 1,1-Dichloropropene	7.79	75	217911	20.584	ug/l	99
37) Ethyl Acetate	6.93	43	157676	20.683	ug/l	100
38) Carbon Tetrachloride	7.78	117	219911	19.913	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	231850	20.064	ug/l	99
40) Benzene	8.04	78	666763	20.486	ug/l	99
41) Methacrylonitrile	7.18	41	77241	19.053	ug/l #	81
42) 1,2-Dichloroethane	8.13	62	210907	20.412	ug/l	100
43) Isopropyl Acetate	8.17	43	261171	19.845	ug/l	98
44) Trichloroethene	8.84	130	177612	20.310	ug/l	99
45) 1,2-Dichloropropane	9.12	63	175735	20.537	ug/l	97
46) Dibromomethane	9.21	93	107179	20.284	ug/l	98
47) Bromodichloromethane	9.41	83	220460	20.144	ug/l	98
48) Methyl methacrylate	9.20	41	133493	20.238	ug/l	99
49) 1,4-Dioxane	9.20	88	39457	388.070	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	974939	102.863	ug/l	100
52) Toluene	10.16	92	407599	20.849	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	220522	20.068	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	253538	20.673	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	155733	20.404	ug/l	99
56) Ethyl methacrylate	10.43	69	193590	19.020	ug/l	99
57) 1,3-Dichloropropane	10.71	76	256736	20.493	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	454633	95.028	ug/l	100
59) 2-Hexanone	10.75	43	666545	100.769	ug/l	100
60) Dibromochloromethane	10.90	129	166363	19.786	ug/l	98
61) 1,2-Dibromoethane	11.01	107	154918	20.592	ug/l	100
64) Tetrachloroethene	10.63	164	173285	20.886	ug/l	100
65) Chlorobenzene	11.44	112	442813	19.892	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	163122	20.134	ug/l	99
67) Ethyl Benzene	11.51	91	734132	20.402	ug/l	100
68) m/p-Xylenes	11.62	106	582518	42.524	ug/l	100
69) o-Xylene	11.95	106	276615	20.962	ug/l	99
70) Styrene	11.97	104	452988	21.110	ug/l	100
71) Bromoform	12.13	173	119227	20.135	ug/l #	99
73) Isopropylbenzene	12.25	105	730969	20.778	ug/l	100
74) N-amyl acetate	12.07	43	226524	19.865	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	202753	19.976	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	239190	28.197	ug/l #	100
77) Bromobenzene	12.53	156	192867	20.464	ug/l	100
78) n-propylbenzene	12.59	91	833503	20.931	ug/l	99
79) 2-Chlorotoluene	12.68	91	511991	20.818	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	612278	21.440	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46347	19.196	ug/l	98
82) 4-Chlorotoluene	12.77	91	514233	20.967	ug/l	99
83) tert-Butylbenzene	12.99	119	515963	20.711	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	628406	21.723	ug/l	99
85) sec-Butylbenzene	13.17	105	700883	21.108	ug/l	99
86) p-Isopropyltoluene	13.29	119	604115	21.230	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	341798	20.362	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	333265	19.881	ug/l	99
89) n-Butylbenzene	13.62	91	475882	19.644	ug/l	100
90) Hexachloroethane	13.88	117	93344	18.447	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	339673	20.187	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31468	18.260	ug/l	99

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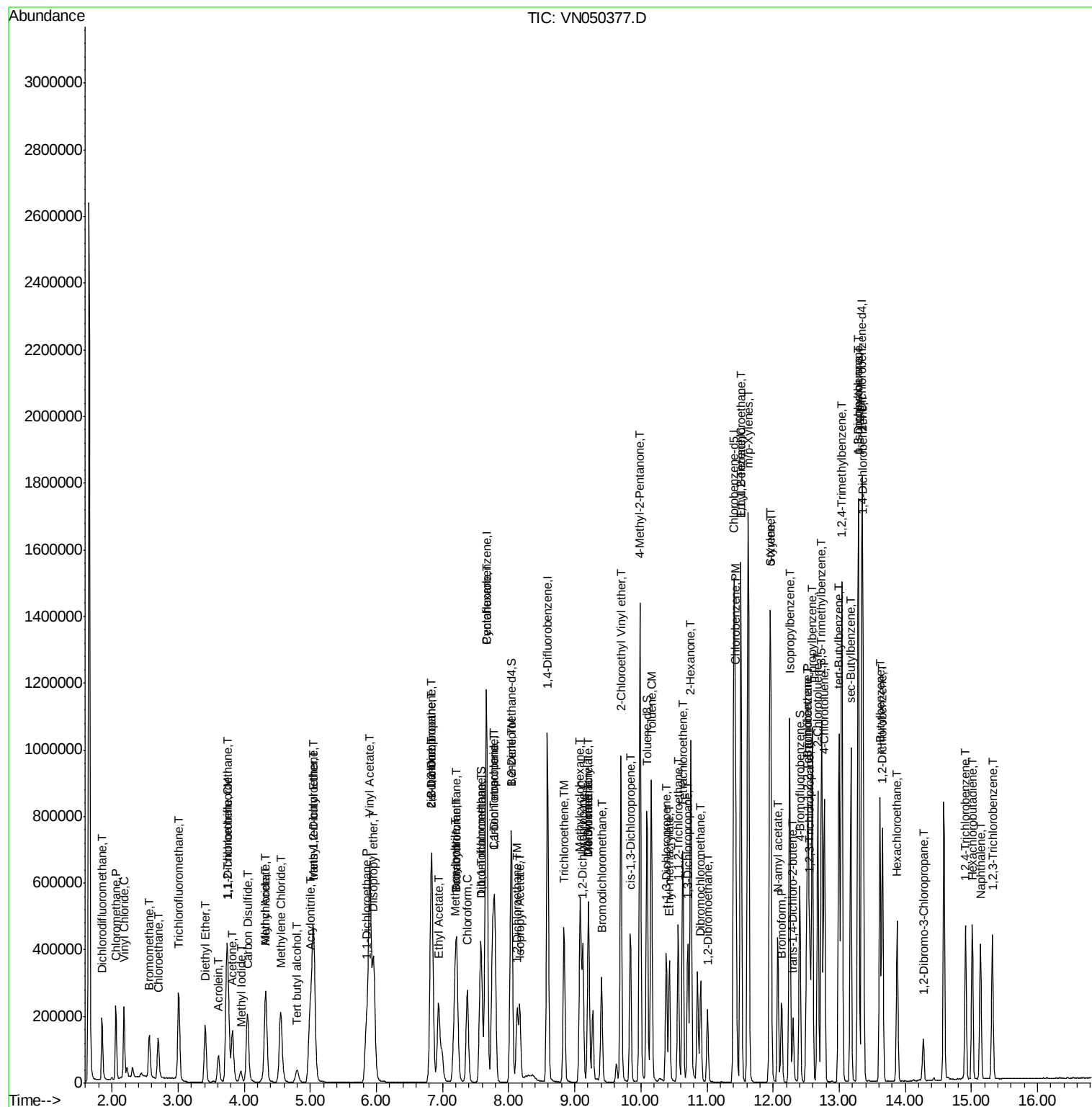
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	155420	18.134	ug/l	97
94) Hexachlorobutadiene	15.01	225	99457	20.266	ug/l	99
95) Naphthalene	15.14	128	354348	18.105	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	155040	17.892	ug/l	100

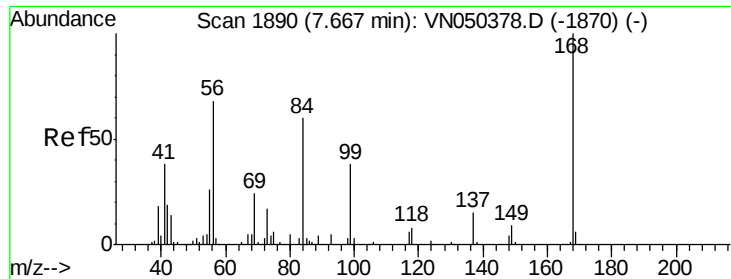
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

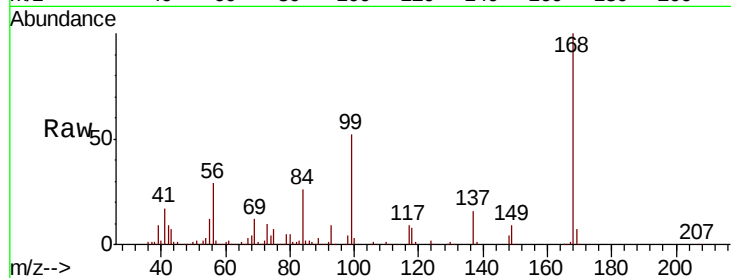
VSTDIC020

Tot Ion:168 Resp: 647297

Ion Ratio Lower Upper

168 100

99 51.3 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

250000

200000

150000

100000

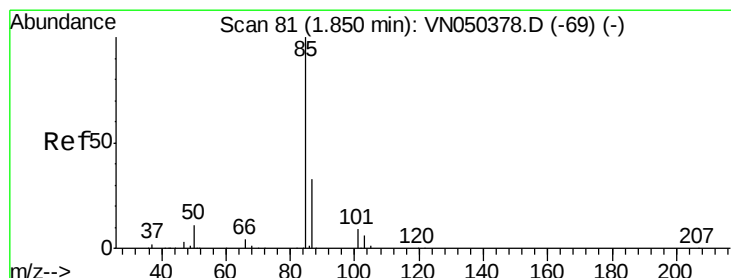
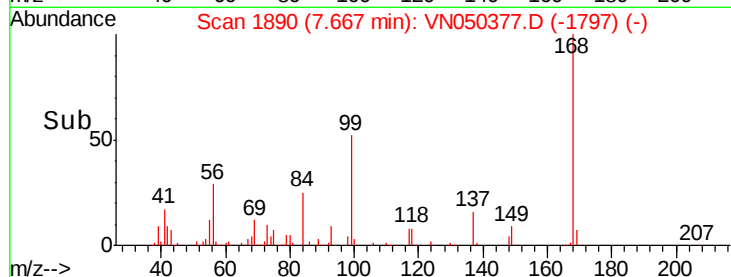
50000

0

Time-->

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 21.259 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050377.D

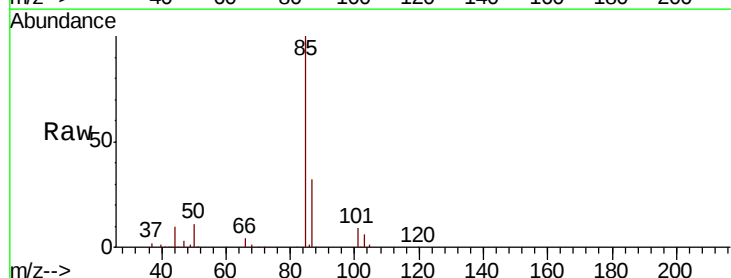
Acq: 6 Aug 2018 12:00

Tgt Ion: 85 Resp: 152755

Ion Ratio Lower Upper

85 100

87 32.0 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

40000

20000

0

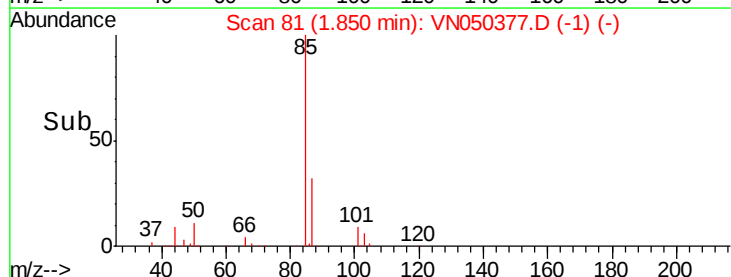
Time-->

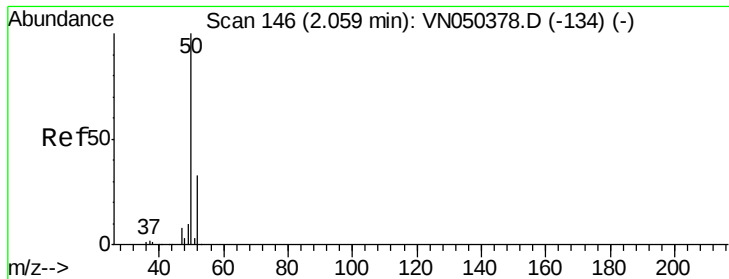
1.80

1.85

1.90

1.95





#3

Chloromethane

Concen: 21.023 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

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ClientSampleId :

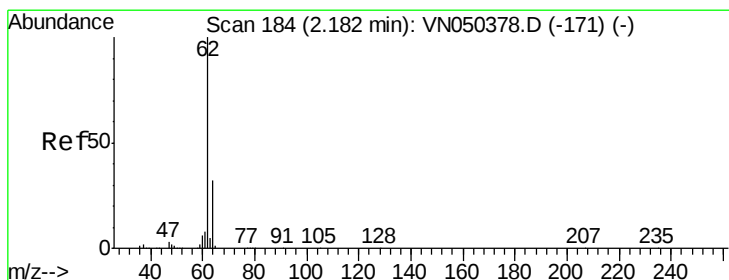
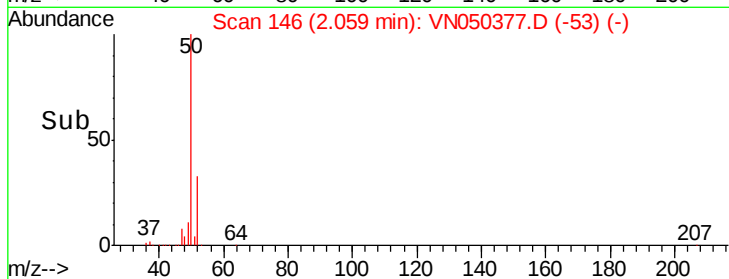
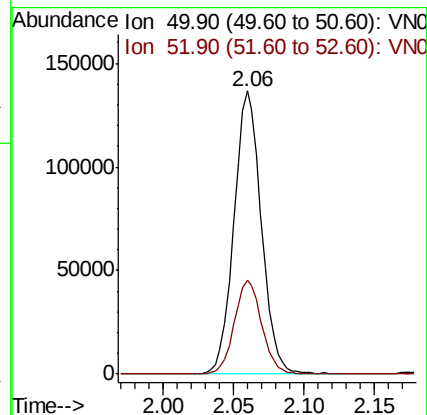
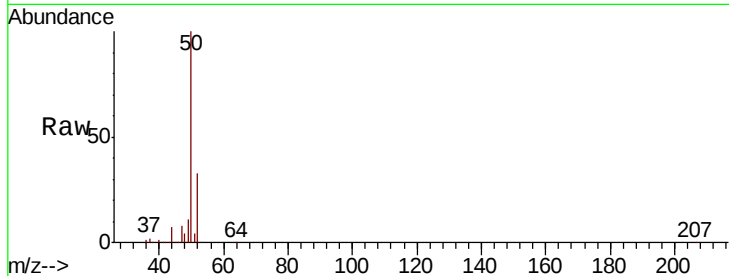
VSTDIC020

Tot Ion: 50 Resp: 185701

Ion Ratio Lower Upper

50 100

52 33.1 25.9 38.9



#4

Vinyl Chloride

Concen: 20.925 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050377.D

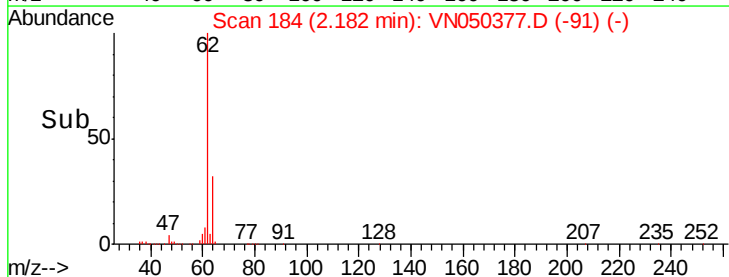
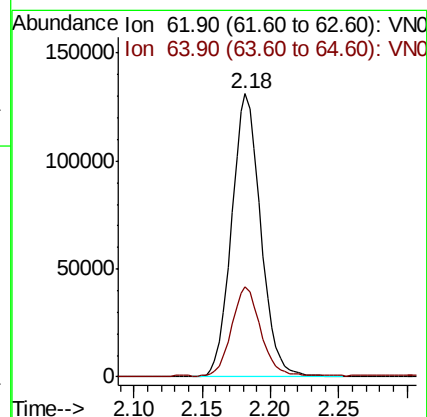
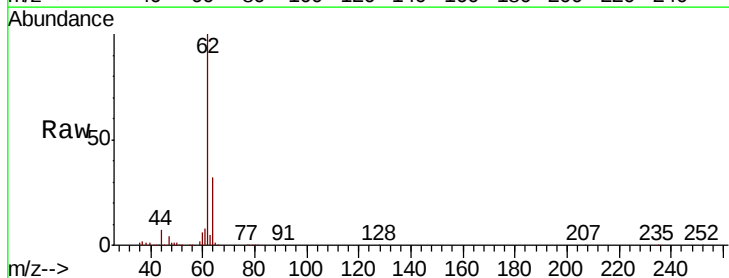
Acq: 6 Aug 2018 12:00

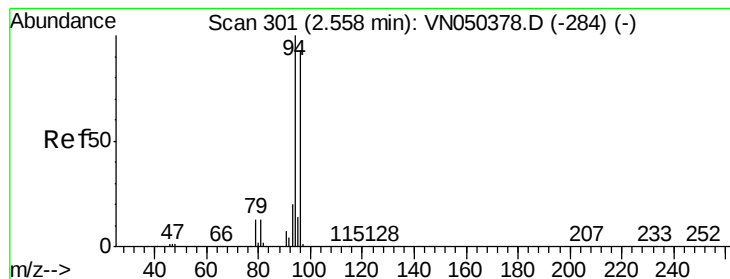
Tgt Ion: 62 Resp: 194617

Ion Ratio Lower Upper

62 100

64 31.4 24.7 37.1





#5

Bromomethane

Concen: 19.807 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

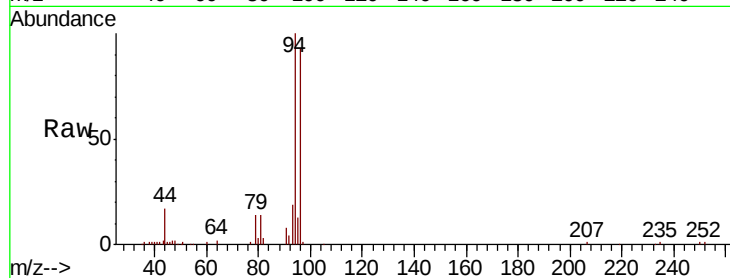
VSTDIC020

Tot Ion: 94 Resp: 88855

Ion Ratio Lower Upper

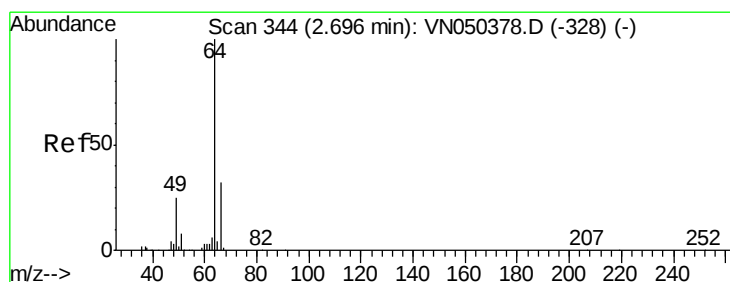
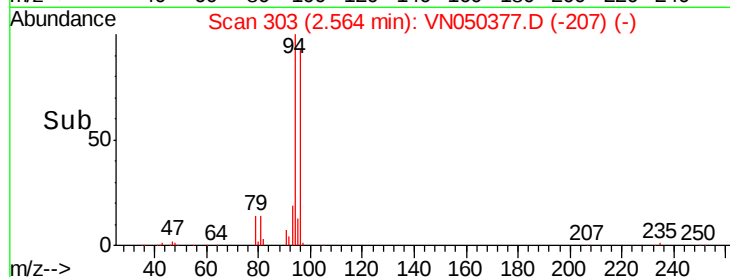
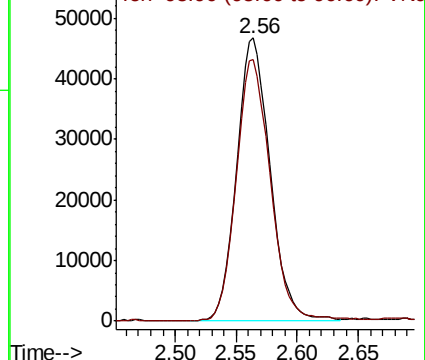
94 100

96 92.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.795 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050377.D

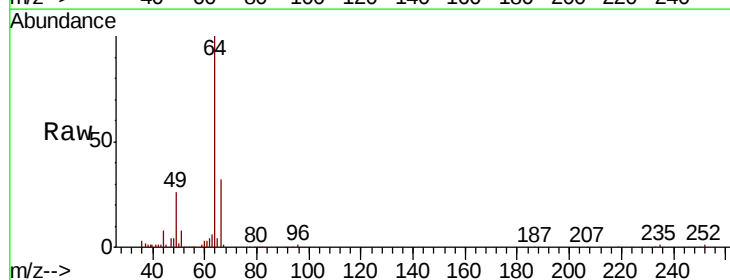
Acq: 6 Aug 2018 12:00

Tgt Ion: 64 Resp: 119167

Ion Ratio Lower Upper

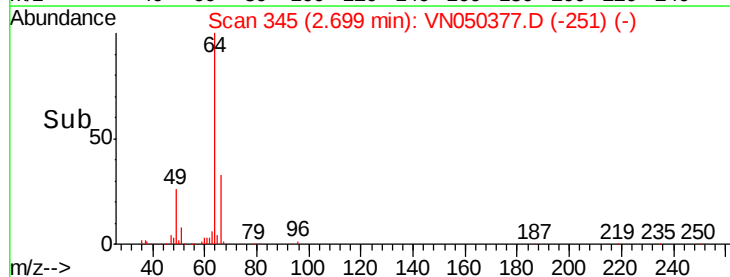
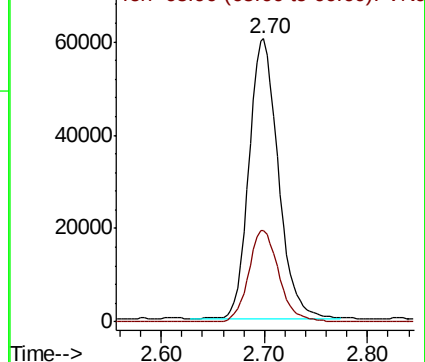
64 100

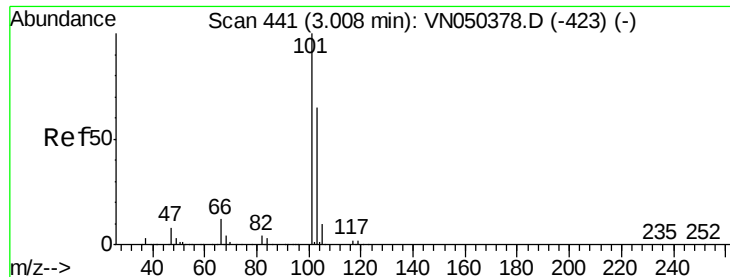
66 32.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



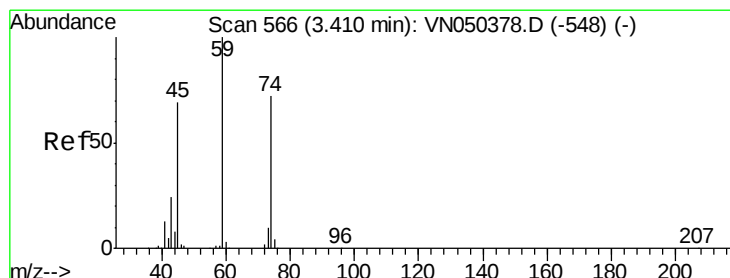
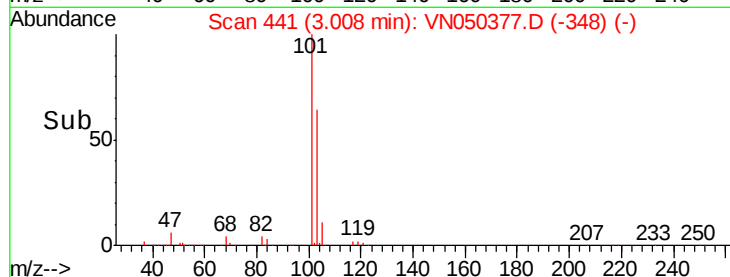
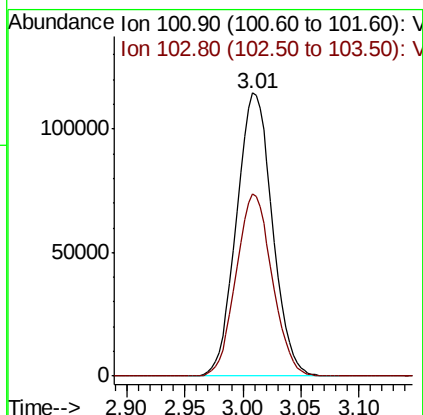
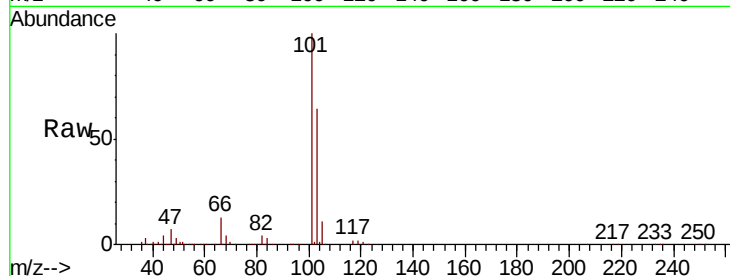


#7

Trichlorofluoromethane
 Concen: 20.579 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

Instrument :
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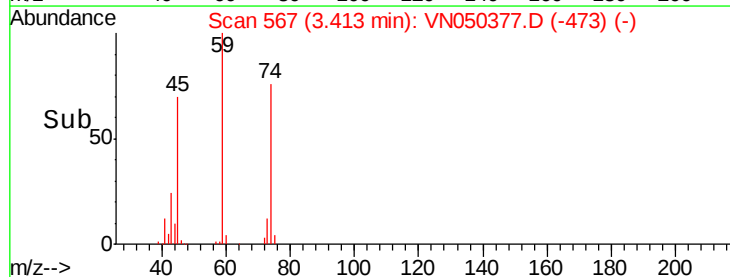
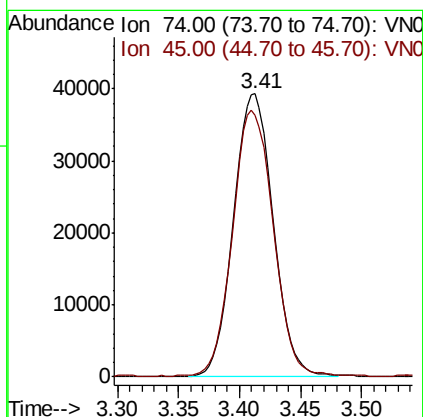
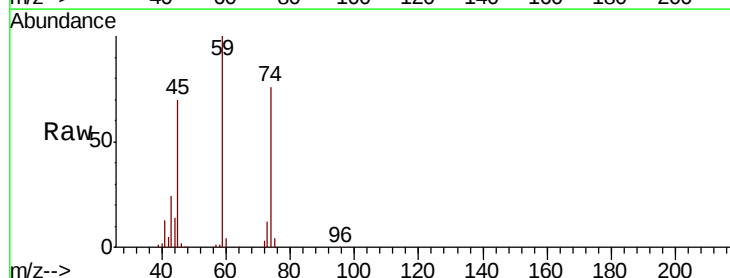
Tot Ion:101 Resp: 247189
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.7 77.5

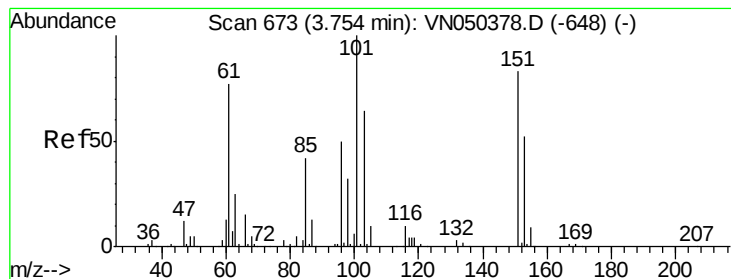


#8

Diethyl Ether
 Concen: 20.148 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

Tgt Ion: 74 Resp: 88749
 Ion Ratio Lower Upper
 74 100
 45 97.2 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.839 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

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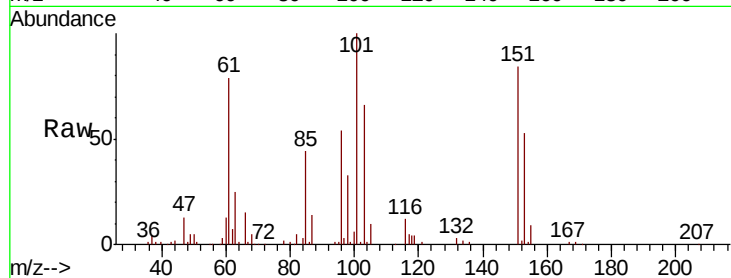
Tot Ion:101 Resp: 154687

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.2

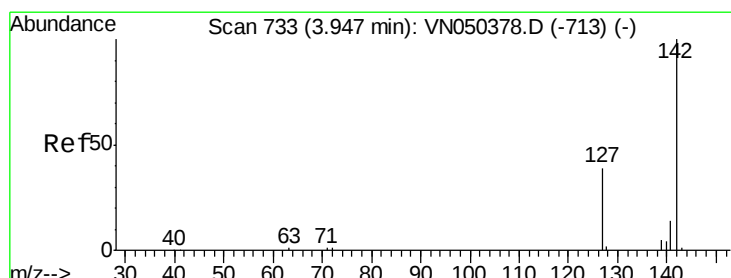
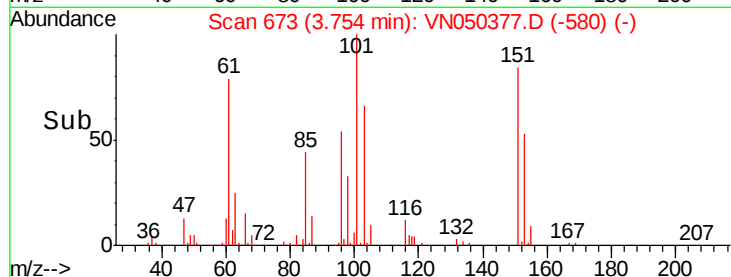
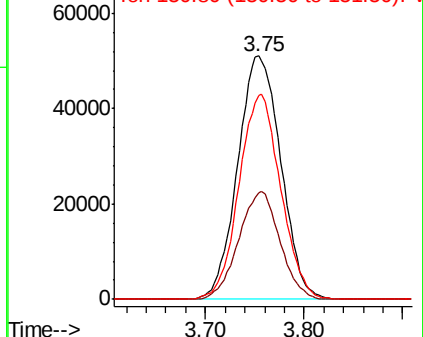
151 81.1 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.121 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

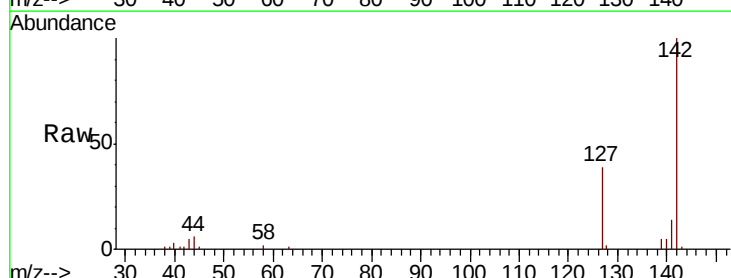
Tgt Ion:142 Resp: 52724

Ion Ratio Lower Upper

142 100

127 40.4 33.4 50.2

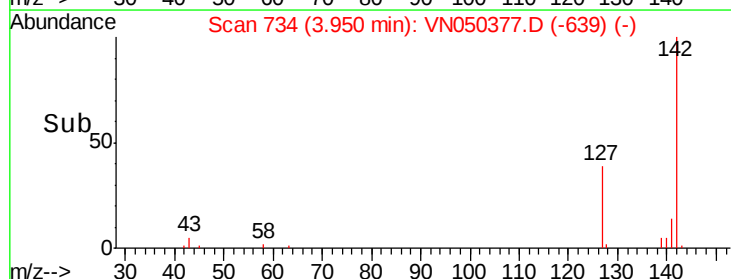
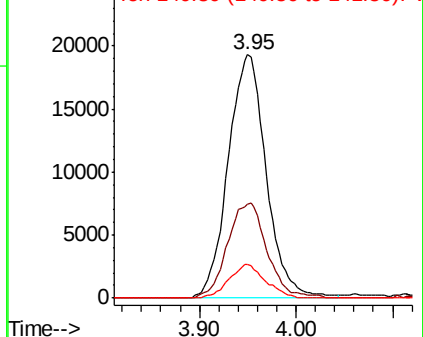
141 13.2 11.6 17.4

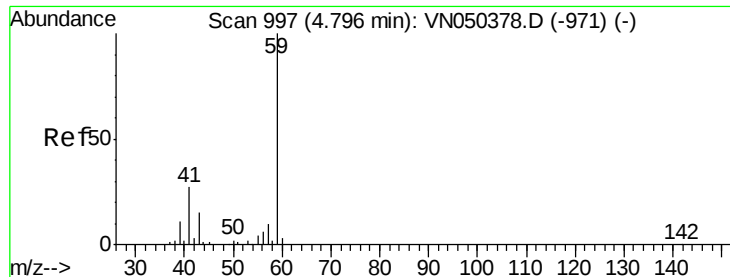


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

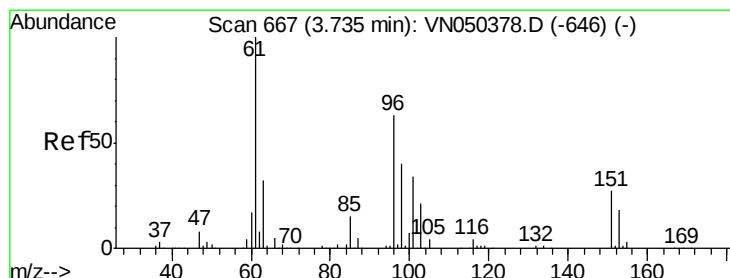
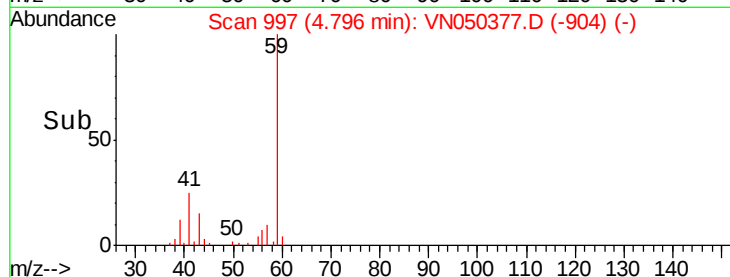
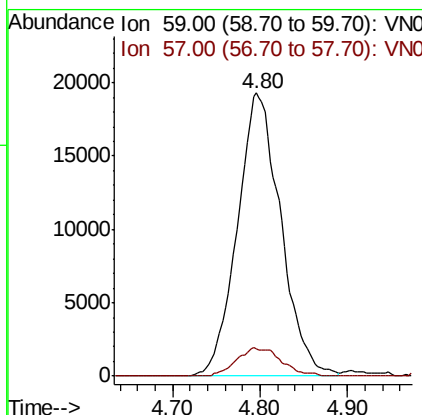
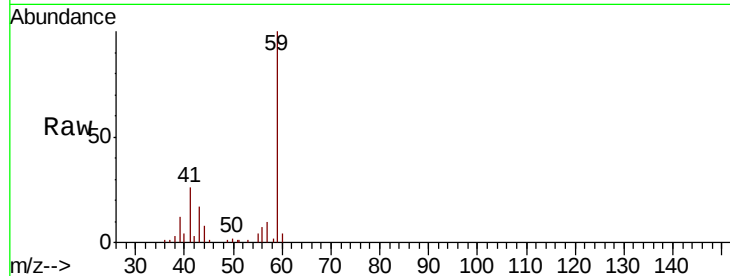




#11
Tert butyl alcohol
Concen: 95.600 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

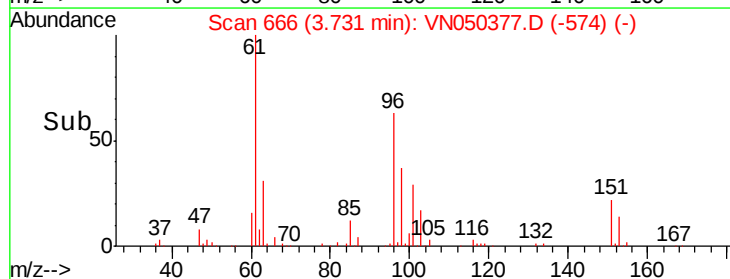
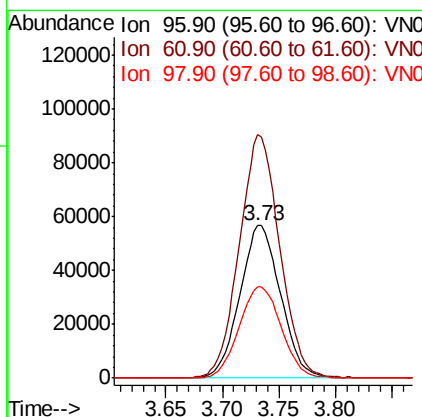
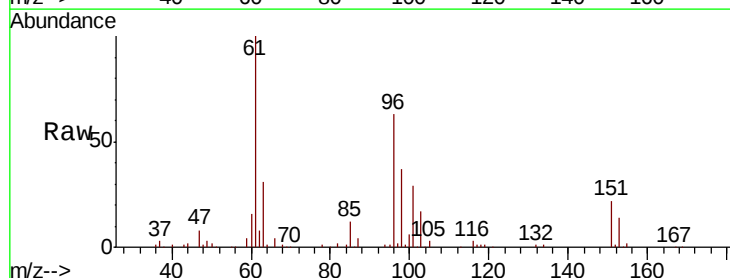
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

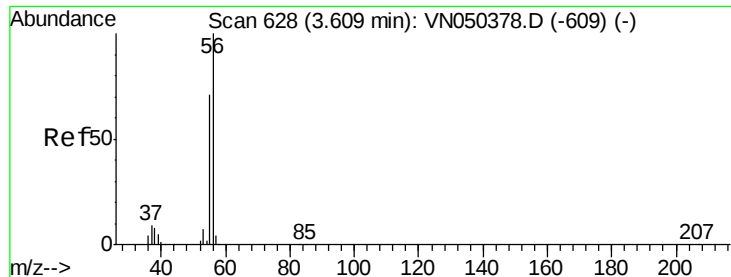
Tot Ion: 59 Resp: 66419
Ion Ratio Lower Upper
59 100
57 5.8 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 20.257 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

Tgt Ion: 96 Resp: 141757
Ion Ratio Lower Upper
96 100
61 159.5 124.4 186.6
98 59.6 48.3 72.5





#13

Acrolein

Concen: 111.766 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

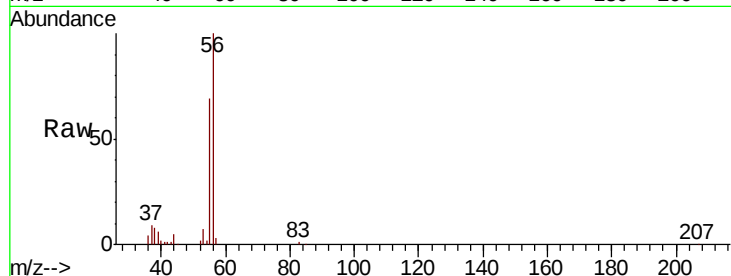
VSTDIC020

Tot Ion: 56 Resp: 93037

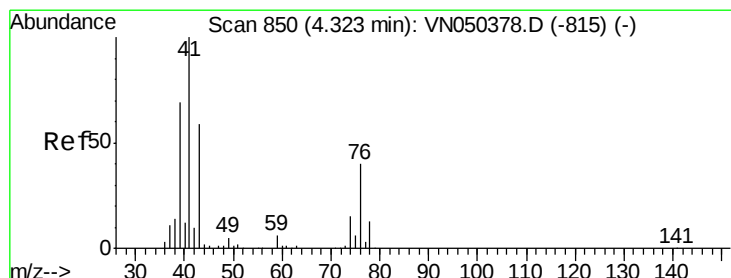
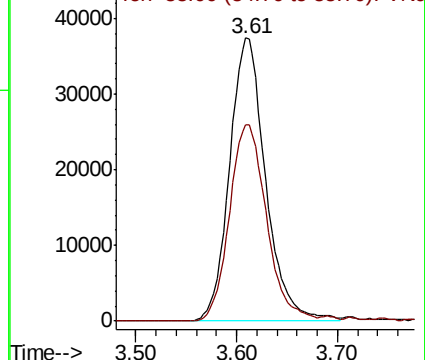
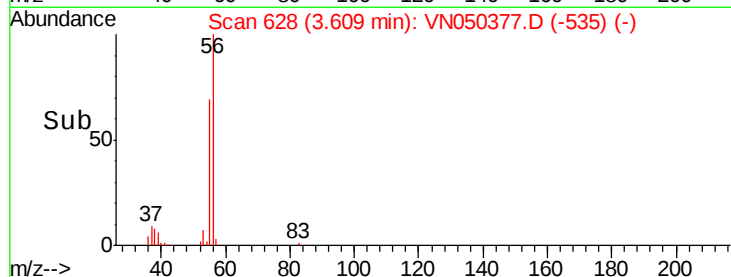
Ion Ratio Lower Upper

56 100

55 71.2 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN050377.D (-535) (-)



#14

Allyl chloride

Concen: 20.021 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

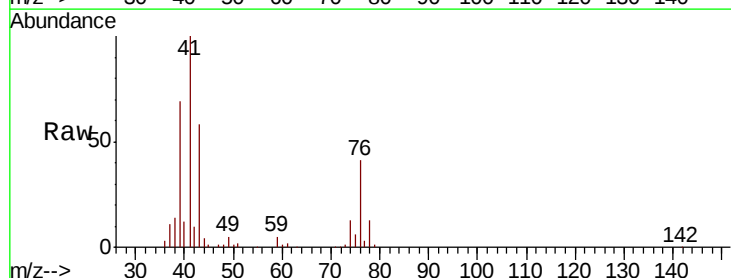
Tgt Ion: 41 Resp: 224996

Ion Ratio Lower Upper

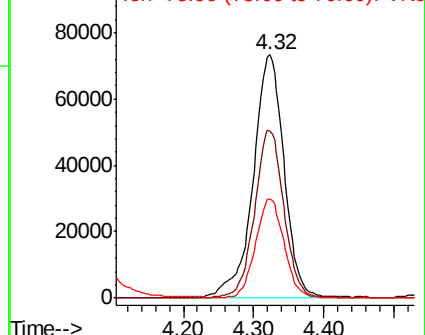
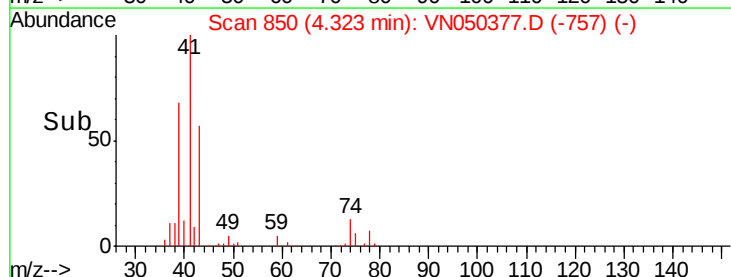
41 100

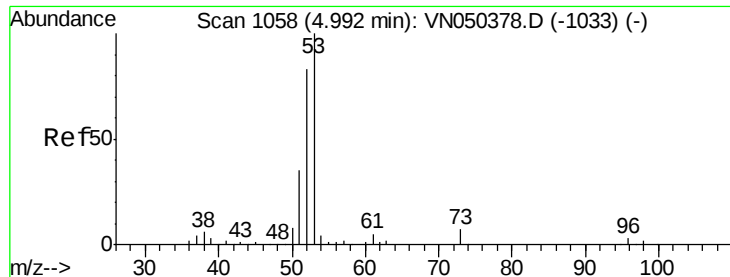
39 65.2 54.2 81.4

76 36.6 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VN050377.D (-757) (-)



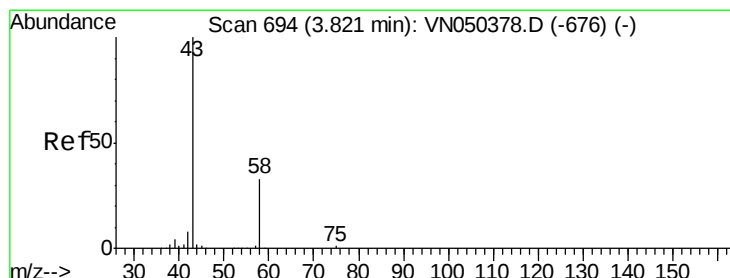
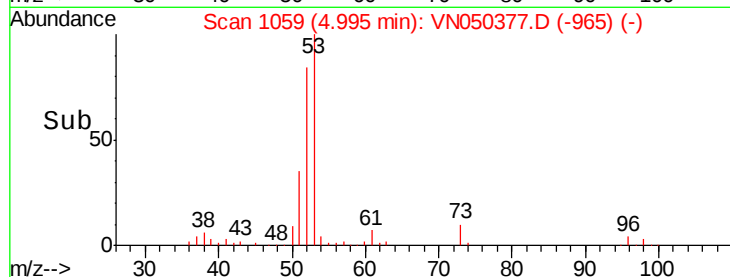
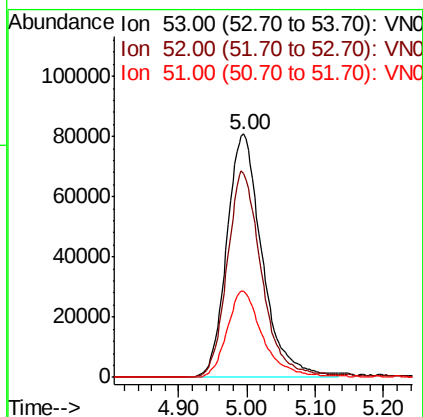
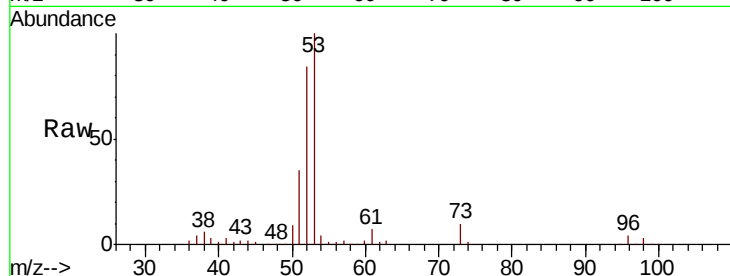


#15
 Acrylonitrile
 Concen: 100.131 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 53 Resp: 291398

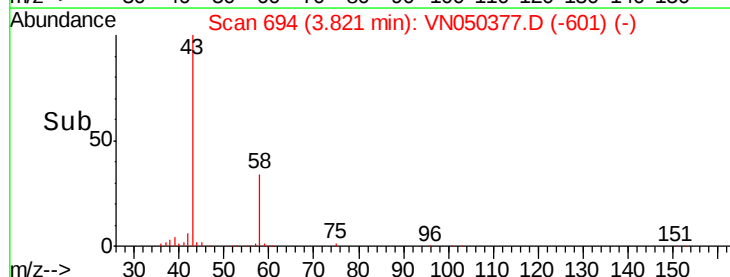
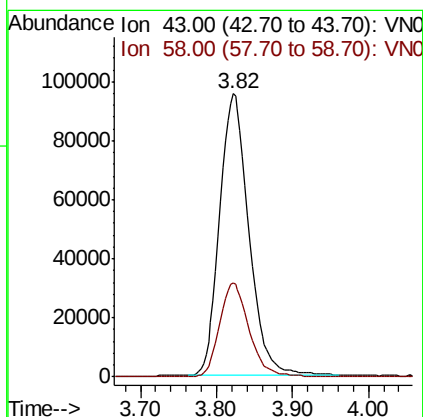
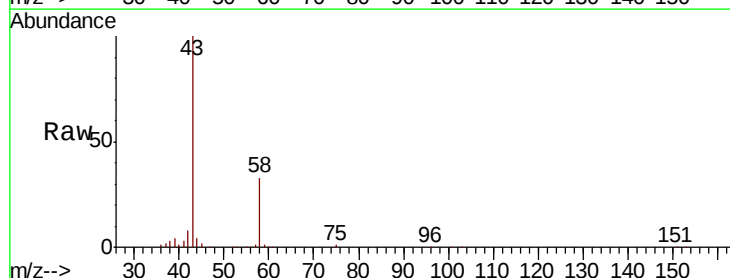
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	36.0	29.3	43.9

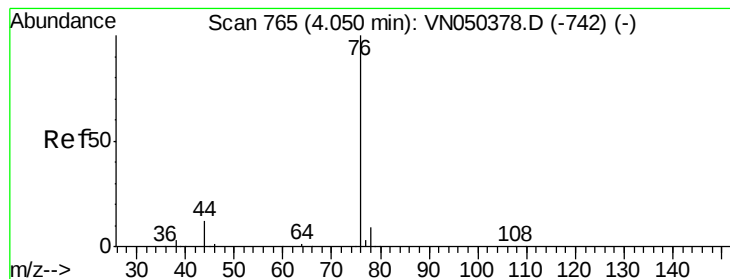


#16
 Acetone
 Concen: 98.673 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

Tgt Ion: 43 Resp: 255057

Ion	Ratio	Lower	Upper
43	100		
58	33.5	25.8	38.8





#17

Carbon Disulfide

Concen: 19.379 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

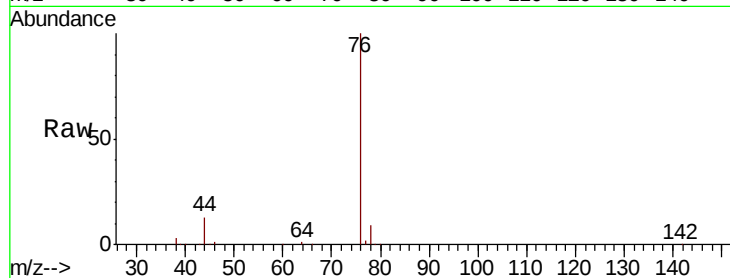
VSTDIC020

Tot Ion: 76 Resp: 440976

Ion Ratio Lower Upper

76 100

78 9.0 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

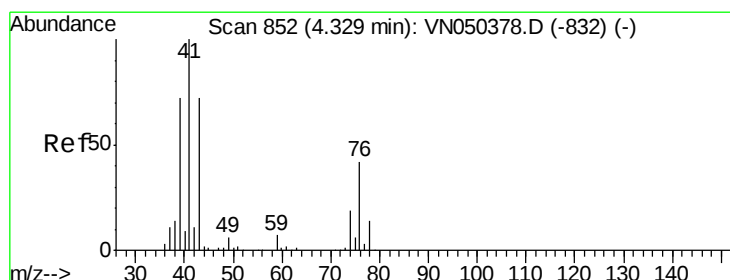
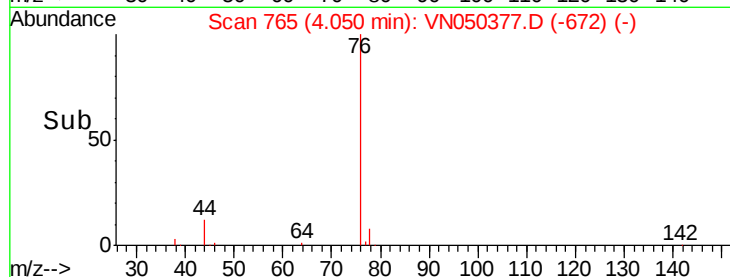
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 19.876 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050377.D

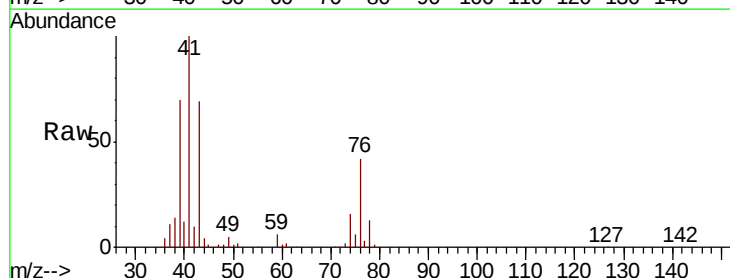
Acq: 6 Aug 2018 12:00

Tgt Ion: 43 Resp: 133986

Ion Ratio Lower Upper

43 100

74 24.4 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

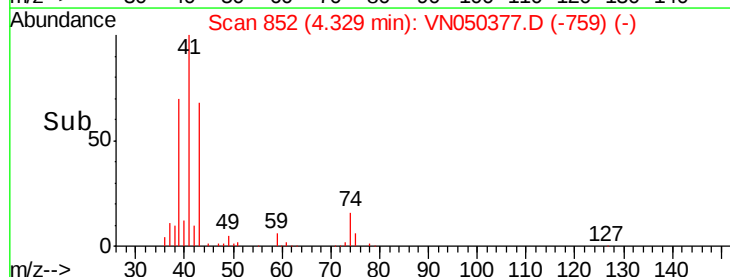
30000

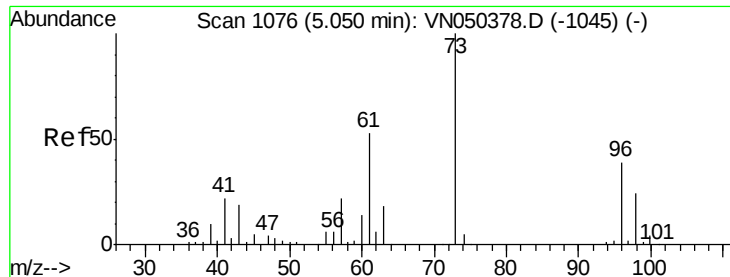
20000

10000

0

Time--> 4.20 4.30 4.40



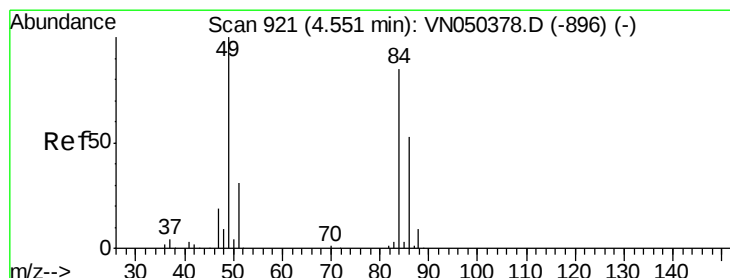
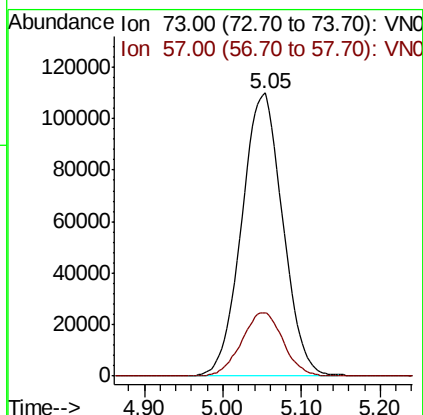
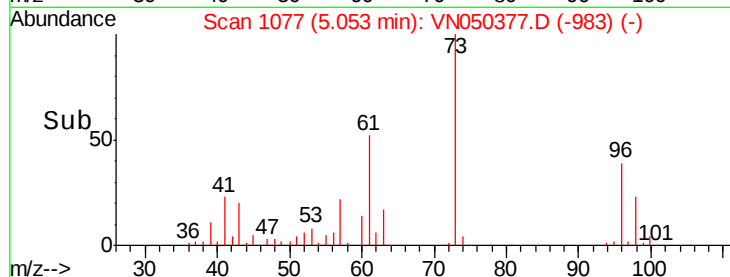
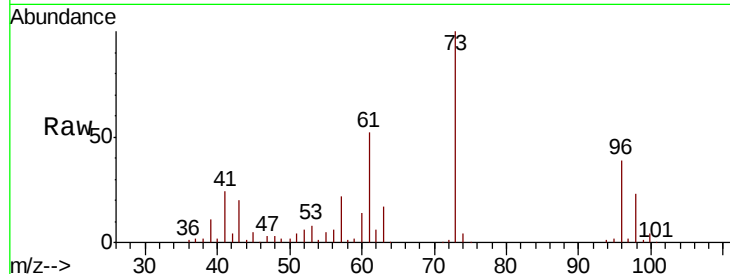


#19

Methyl tert-butyl Ether
 Concen: 20.366 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

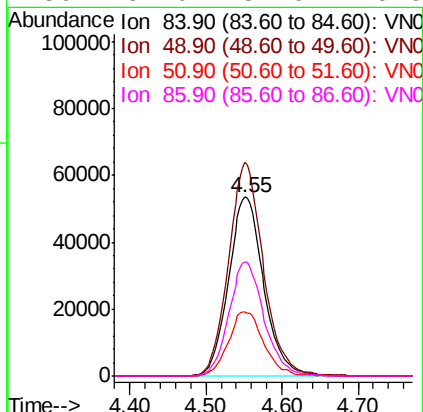
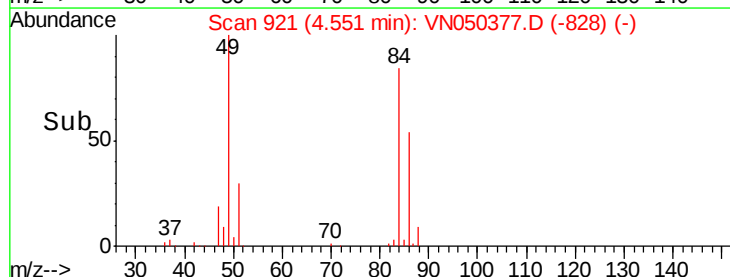
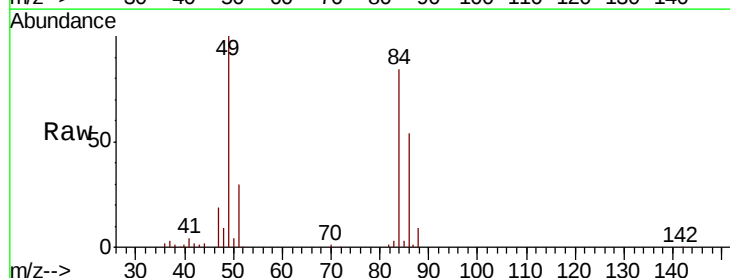
Tot Ion: 73 Resp: 404519
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.0 27.0

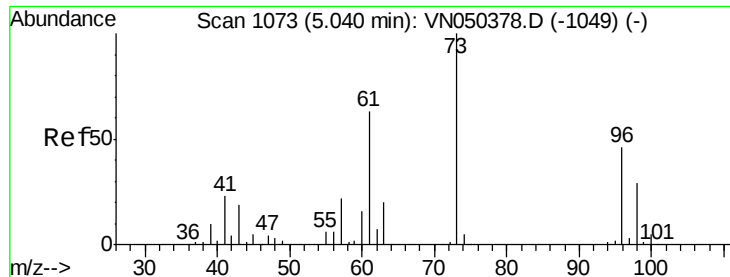


#20

Methylene Chloride
 Concen: 20.807 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

Tgt Ion: 84 Resp: 171260
 Ion Ratio Lower Upper
 84 100
 49 119.4 94.8 142.2
 51 35.6 28.3 42.5
 86 64.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.403 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

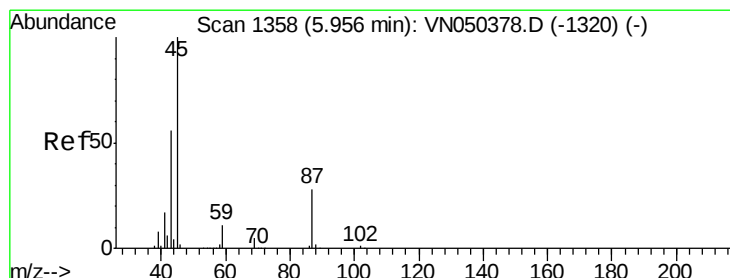
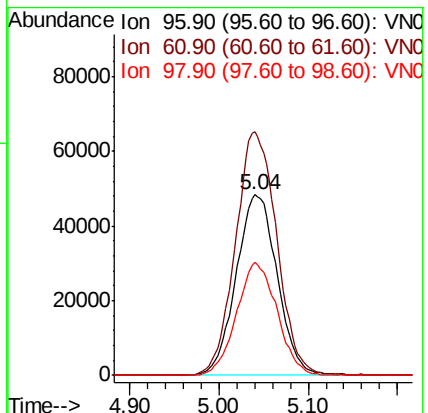
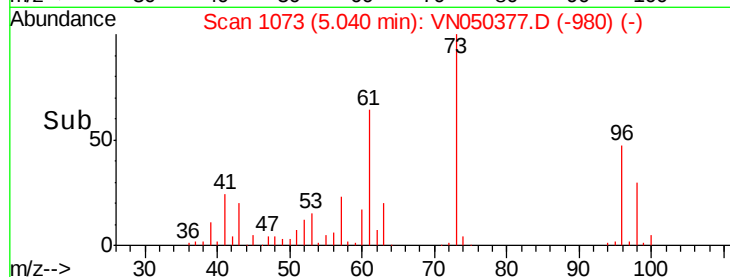
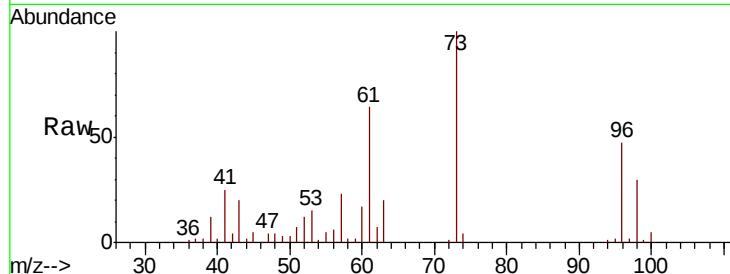
Tot Ion: 96 Resp: 154511

Ion Ratio Lower Upper

96 100

61 135.1 110.7 166.1

98 62.5 51.6 77.4



#22

Diisopropyl ether

Concen: 21.193 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Tgt Ion: 45 Resp: 486548

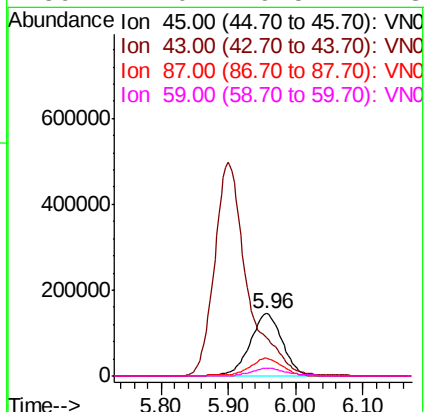
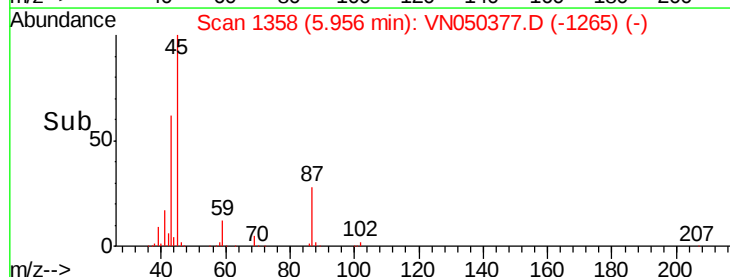
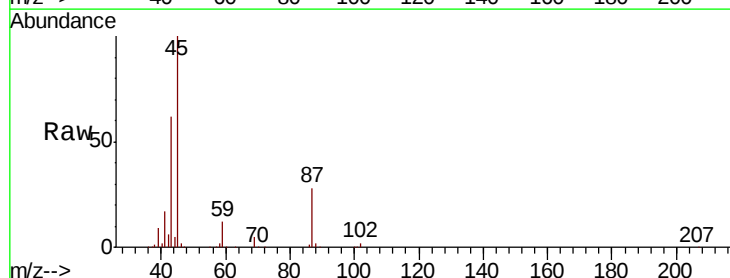
Ion Ratio Lower Upper

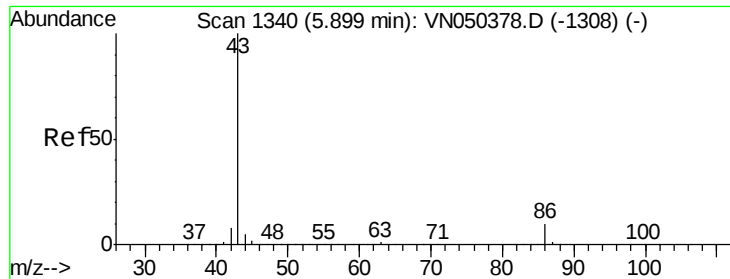
45 100

43 60.4 45.7 68.5

87 28.1 22.7 34.1

59 12.0 9.5 14.3

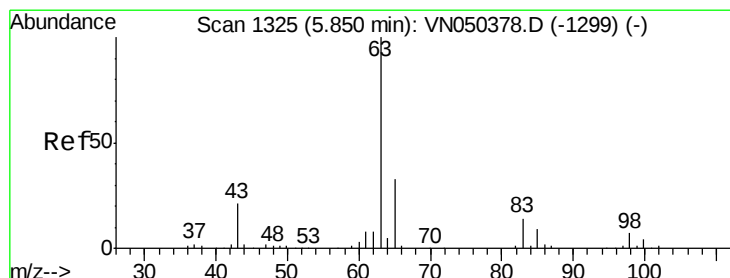
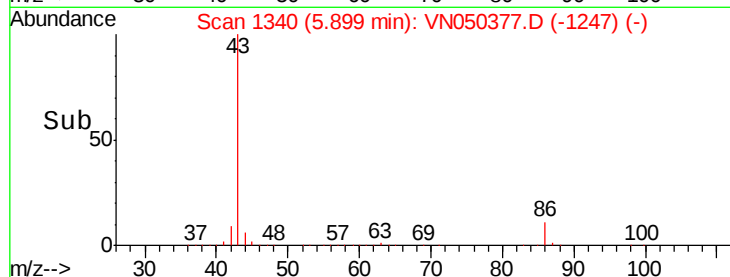
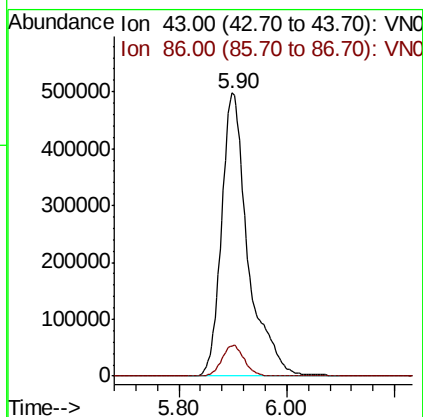
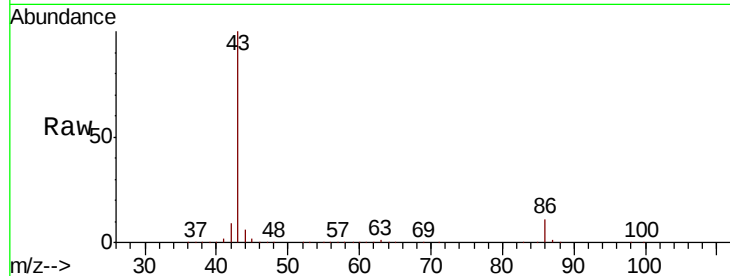




#23
 Vinyl Acetate
 Concen: 103.524 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

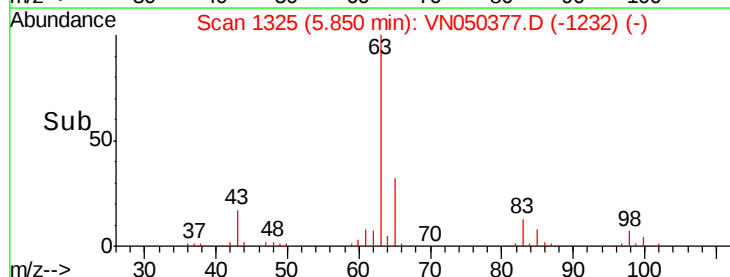
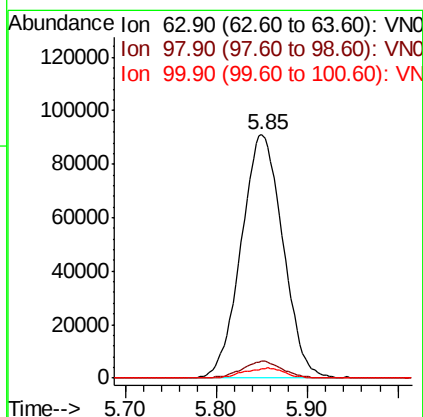
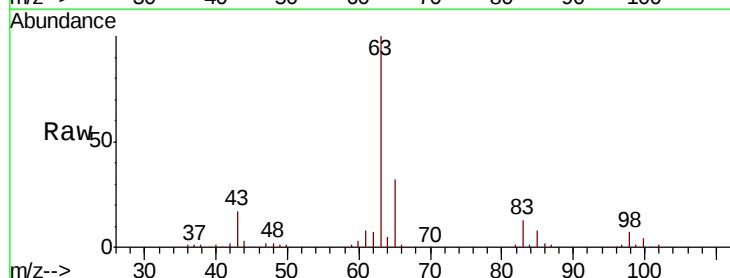
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

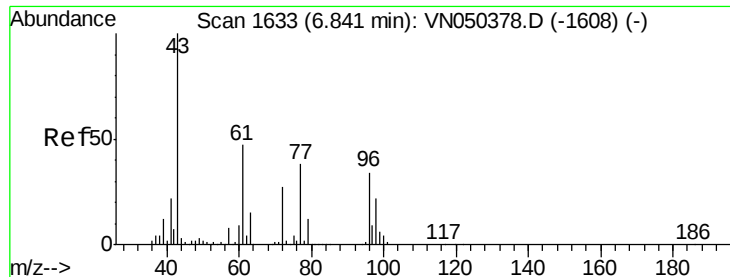
Tot Ion: 43 Resp: 1695709
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.589 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

Tgt Ion: 63 Resp: 290030
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 3.7 2.1 6.3





#25

2-Butanone

Concen: 99.809 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

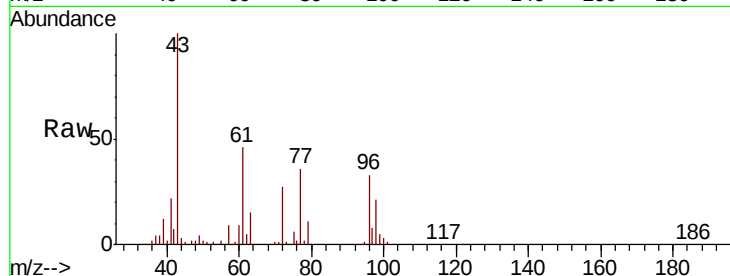
VSTDIC020

Tot Ion: 43 Resp: 427740

Ion Ratio Lower Upper

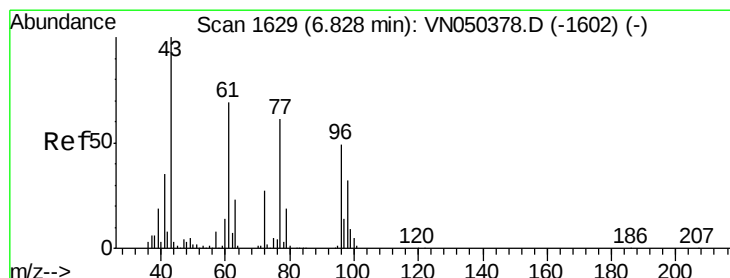
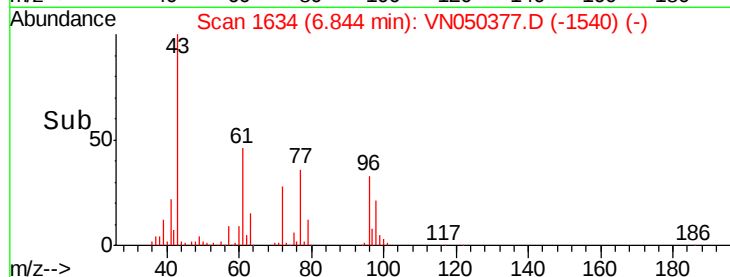
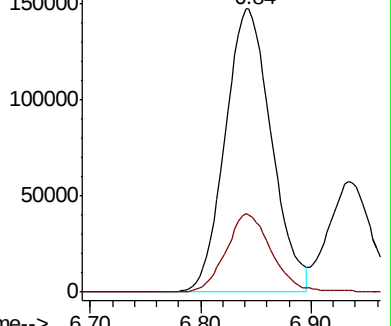
43 100

72 27.5 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.413 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050377.D

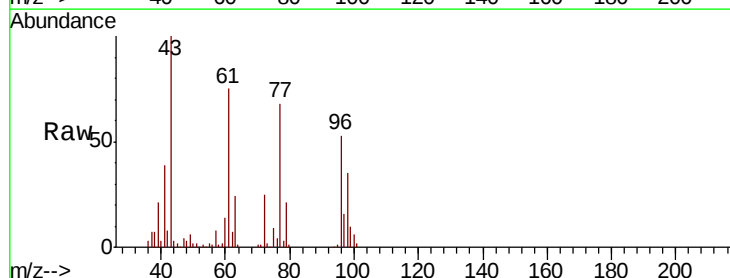
Acq: 6 Aug 2018 12:00

Tgt Ion: 77 Resp: 237051

Ion Ratio Lower Upper

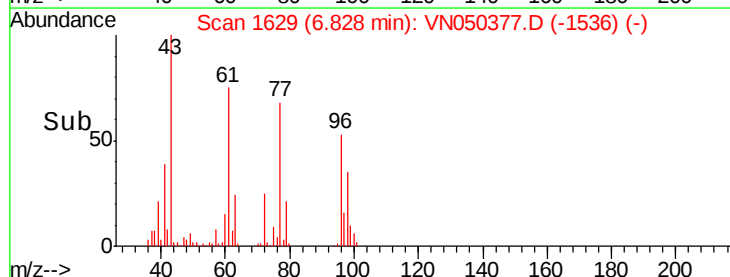
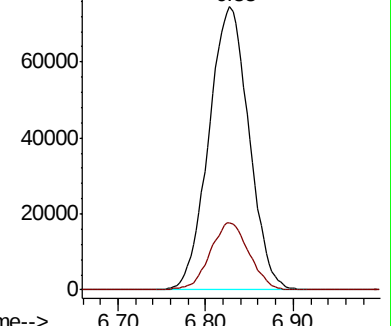
77 100

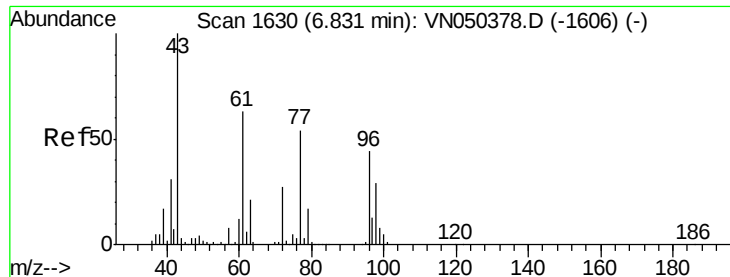
97 23.0 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

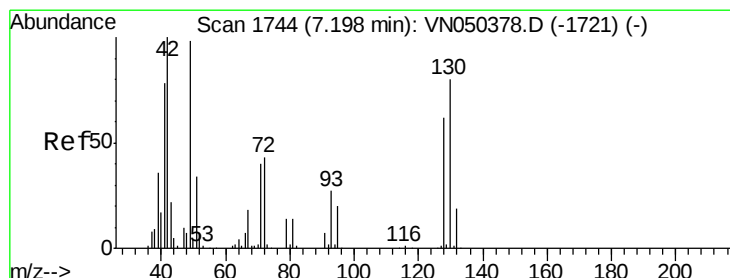
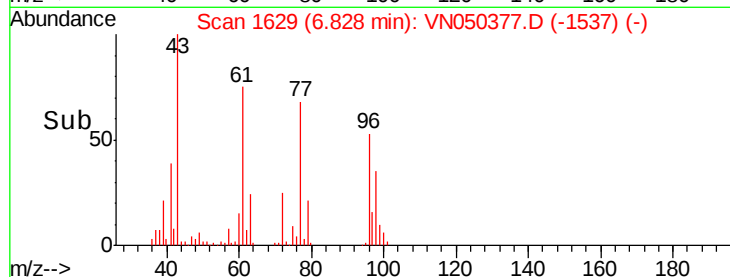
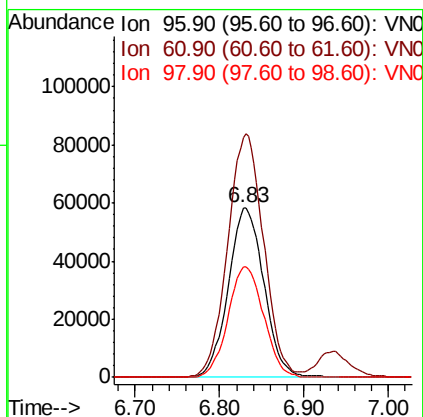
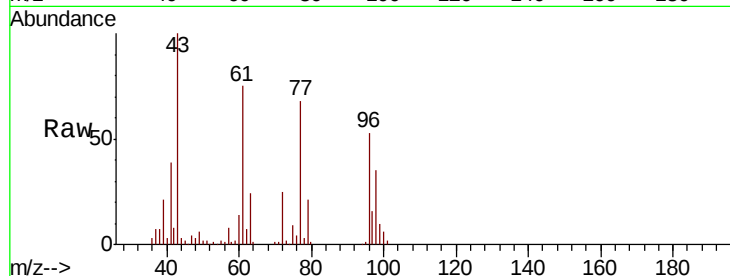




#27
 cis-1,2-Dichloroethene
 Concen: 20.379 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

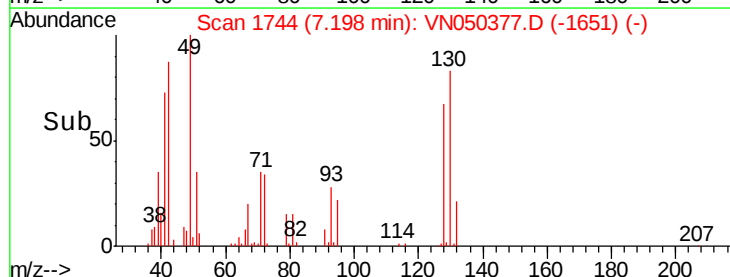
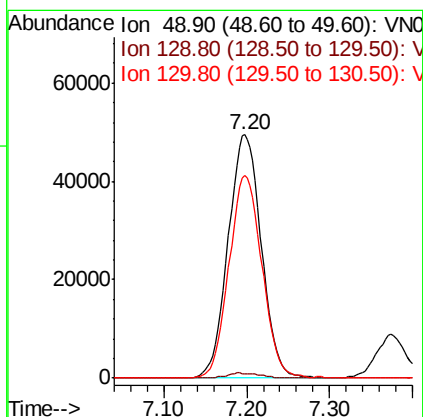
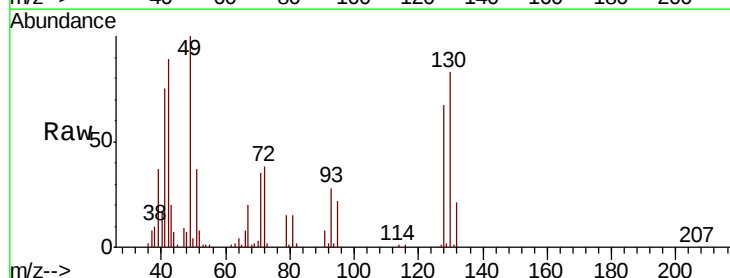
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

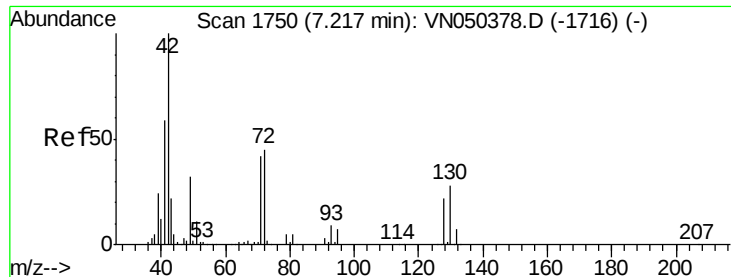
Tot Ion: 96 Resp: 171050
 Ion Ratio Lower Upper
 96 100
 61 145.1 0.0 285.0
 98 65.4 0.0 129.2



#28
 Bromochloromethane
 Concen: 21.224 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

Tgt Ion: 49 Resp: 137627
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.0
 130 82.8 66.3 99.5

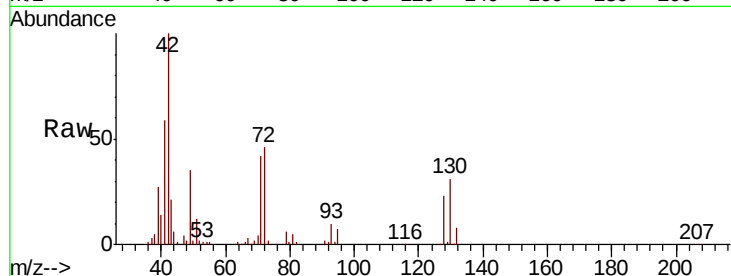




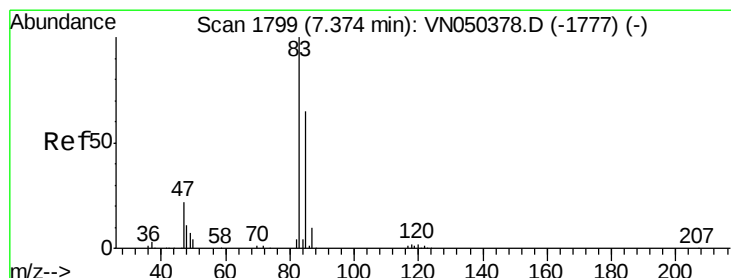
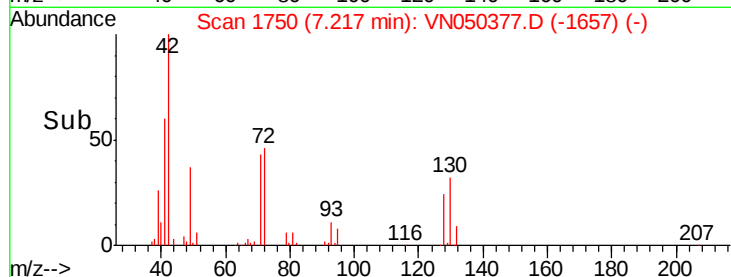
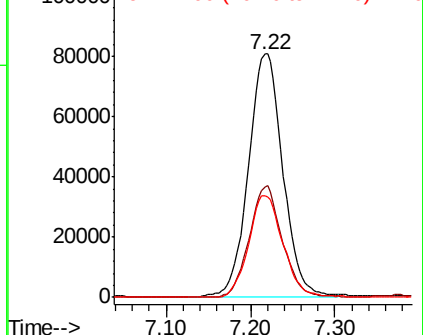
#29
Tetrahydrofuran
Concen: 99.217 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 42 Resp: 227591
Ion Ratio Lower Upper
42 100
72 44.2 35.9 53.9
71 41.7 33.7 50.5

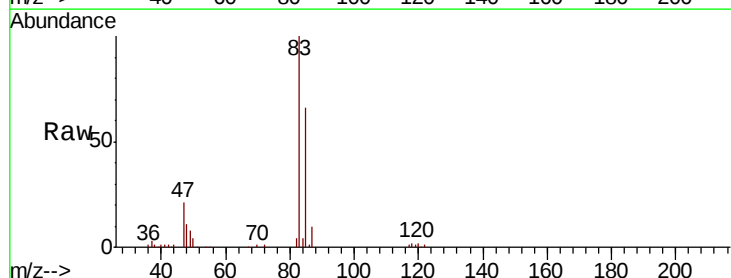


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

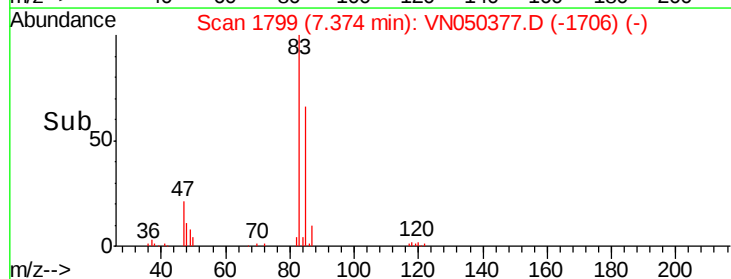
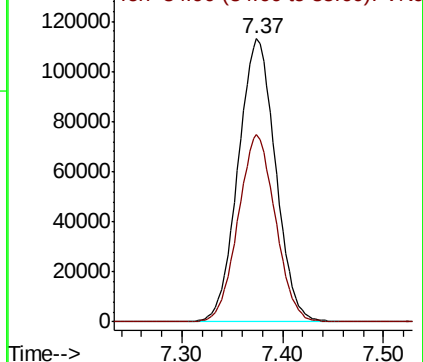


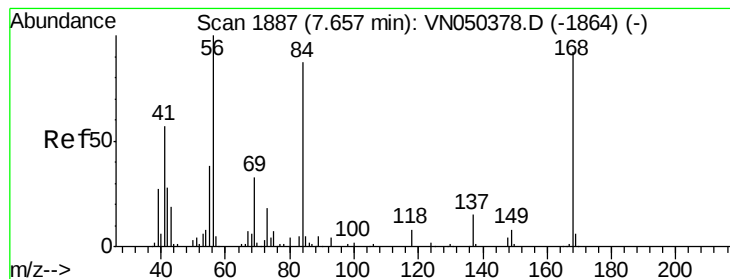
#30
Chloroform
Concen: 20.596 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

Tgt Ion: 83 Resp: 290046
Ion Ratio Lower Upper
83 100
85 66.4 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: 20.042 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

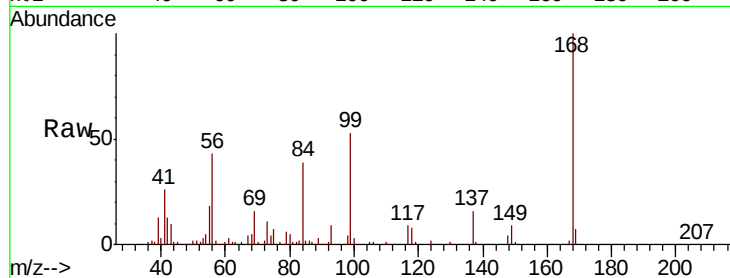
Tot Ion: 56 Resp: 253157

Ion Ratio Lower Upper

56 100

69 37.2 26.2 39.4

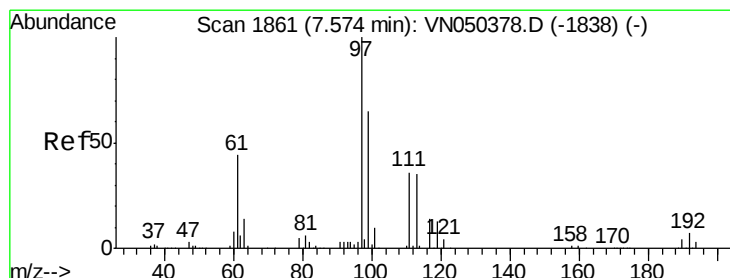
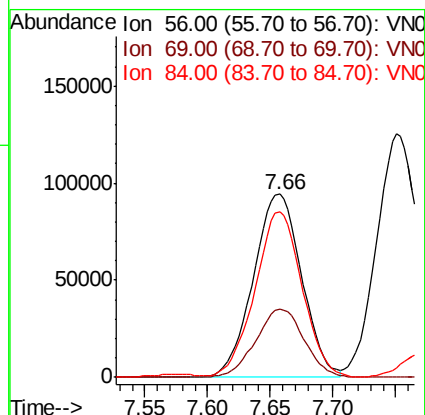
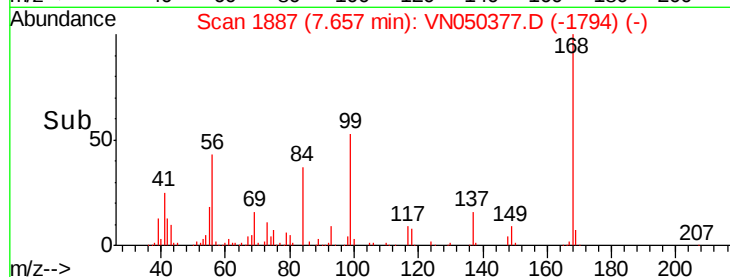
84 89.1 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN050377.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN050377.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN050377.D (-1794) (-)



#32

1,1,1-Trichloroethane

Concen: 20.460 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

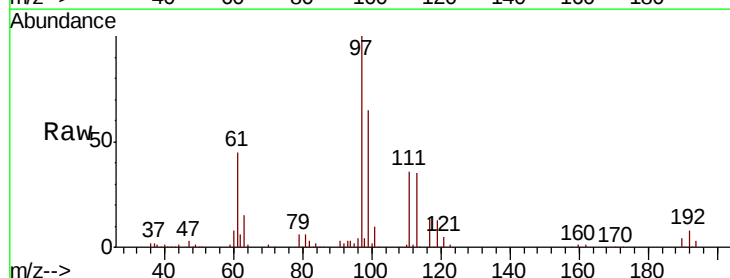
Tgt Ion: 97 Resp: 247451

Ion Ratio Lower Upper

97 100

99 65.5 51.4 77.0

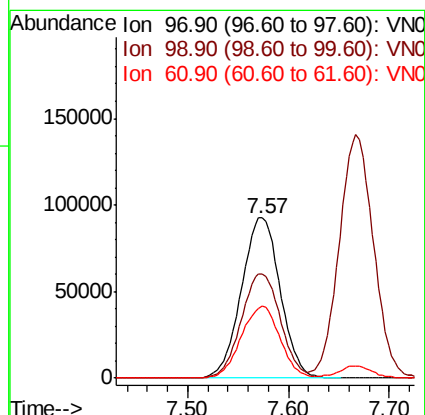
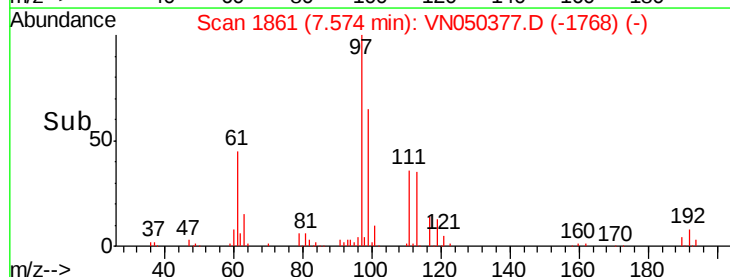
61 44.5 35.4 53.0

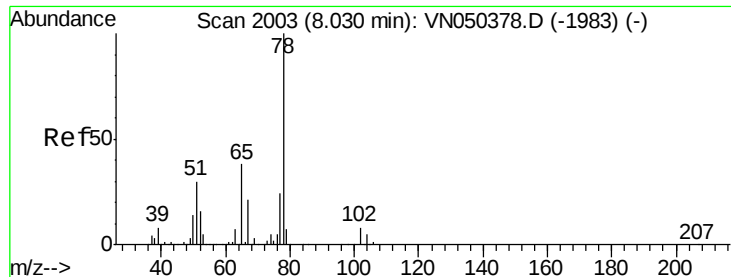


Abundance Ion 96.90 (96.60 to 97.60): VN050377.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN050377.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN050377.D (-1768) (-)

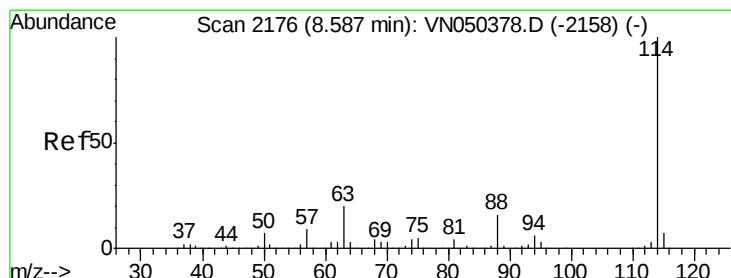
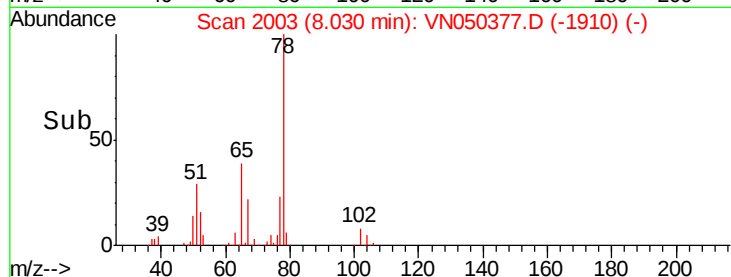
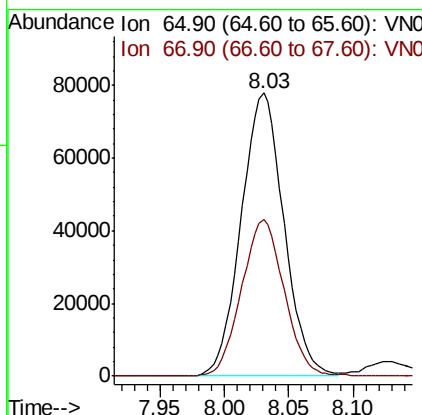
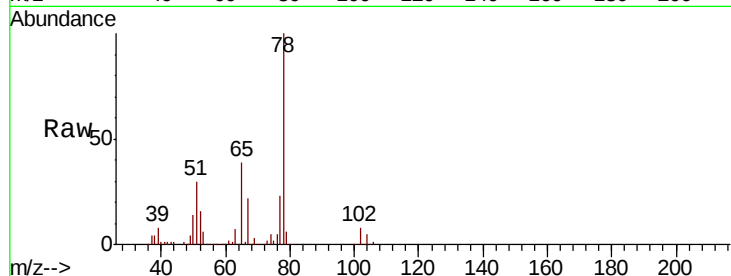




#33
 1,2-Dichloroethane-d4
 Concen: 20.838 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

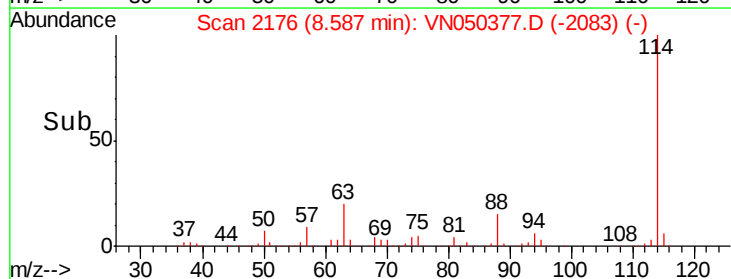
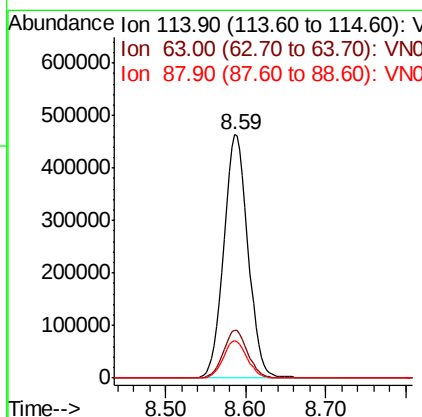
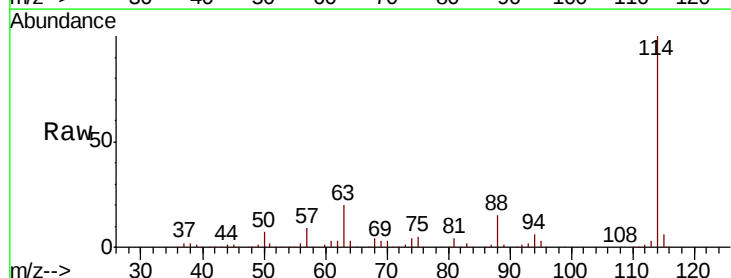
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

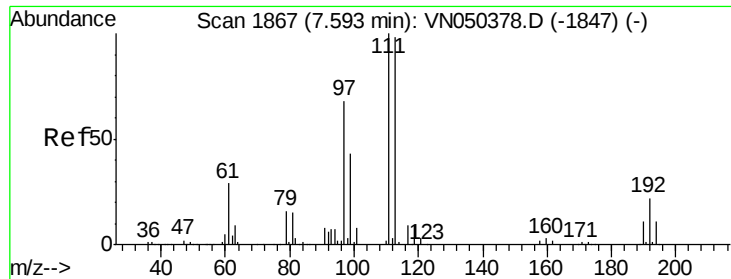
Tot Ion: 65 Resp: 180213
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

Tgt Ion: 114 Resp: 963495
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.2 0.0 31.2

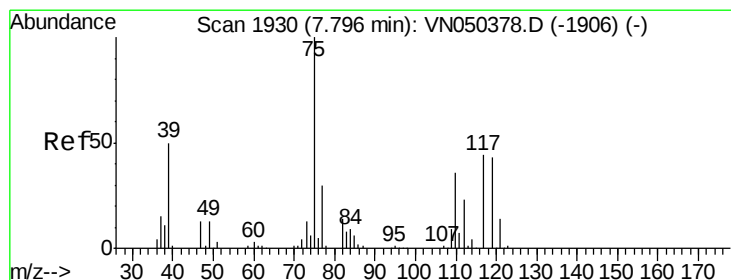
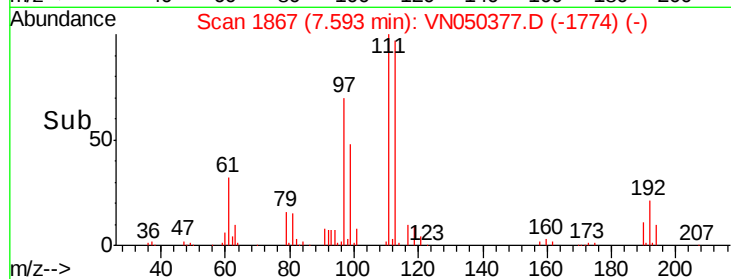
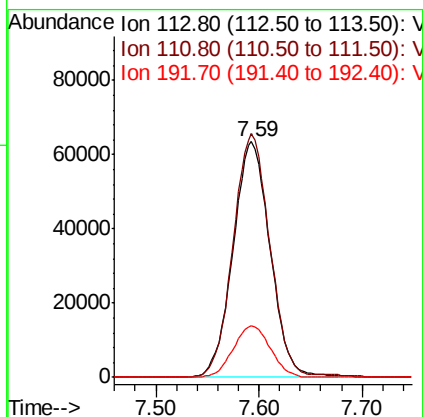
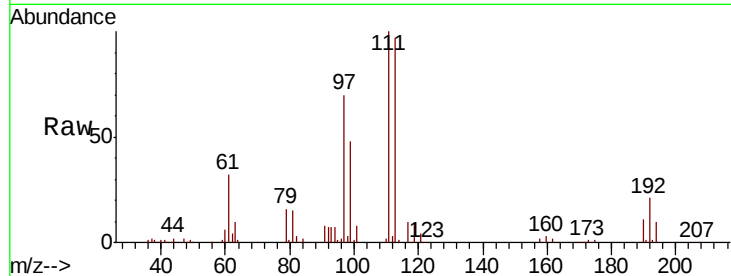




#35
 Dibromofluoromethane
 Concen: 20.568 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

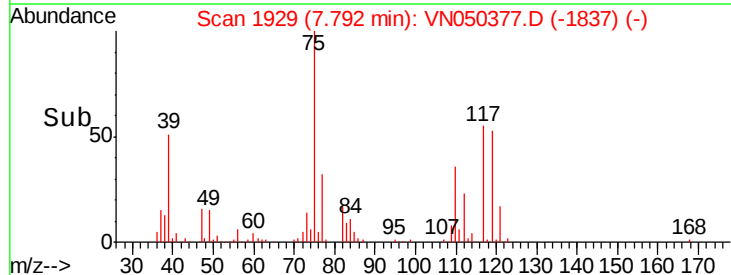
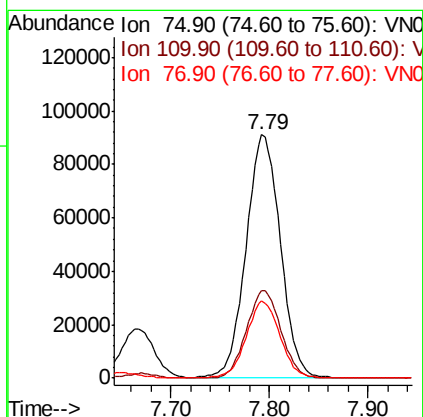
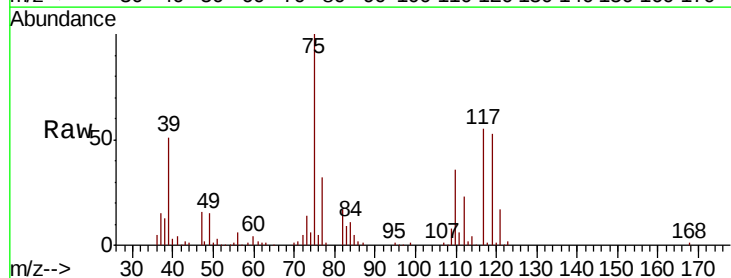
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

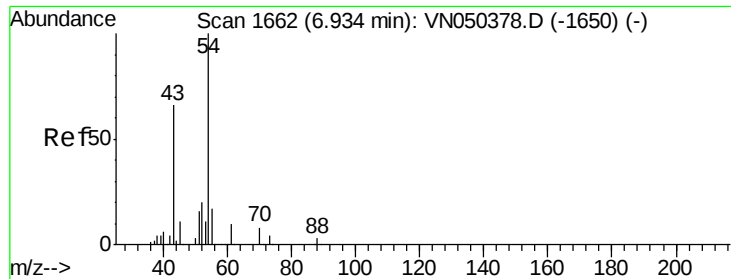
Tot Ion:113 Resp: 159008
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 22.0 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 20.584 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

Tgt Ion: 75 Resp: 217911
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.4 55.2
 77 31.4 25.3 37.9

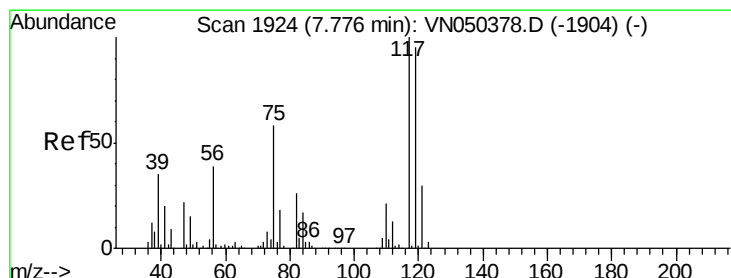
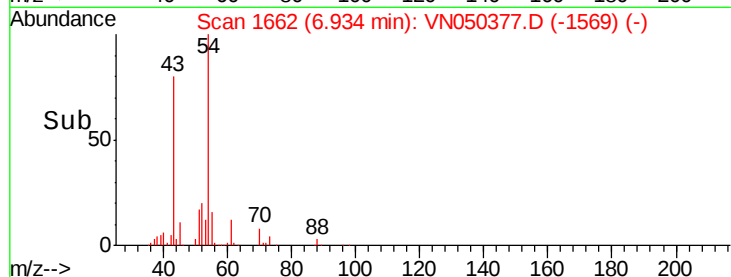
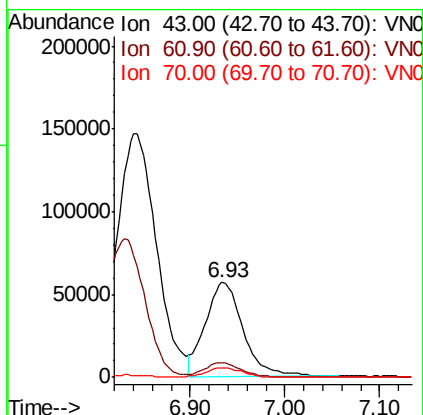
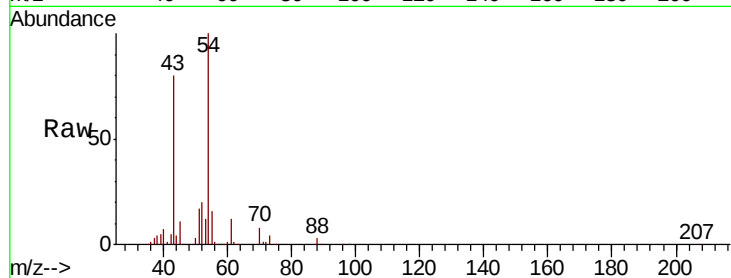




#37
Ethyl Acetate
Concen: 20.683 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

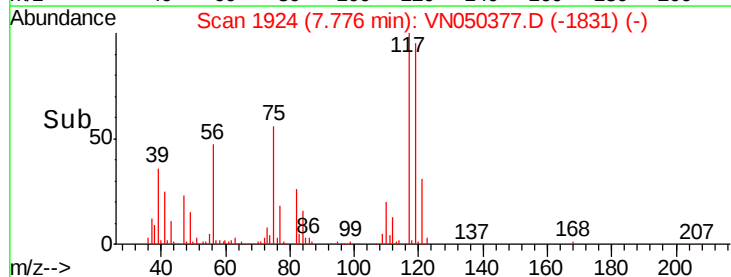
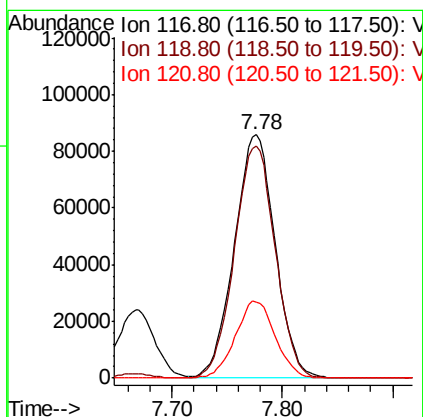
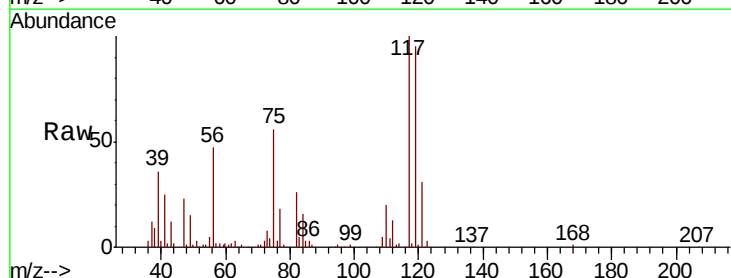
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

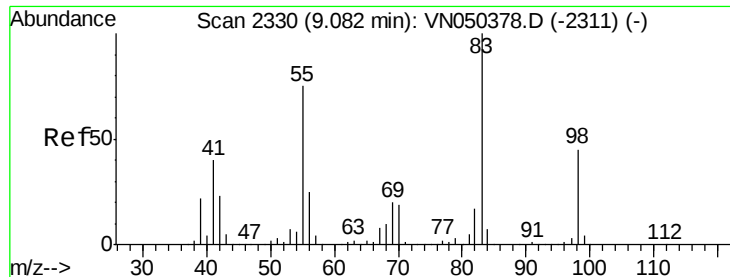
Tot Ion: 43 Resp: 157676
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.8
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.913 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

Tgt Ion: 117 Resp: 219911
Ion Ratio Lower Upper
117 100
119 95.4 77.4 116.0
121 31.4 23.9 35.9

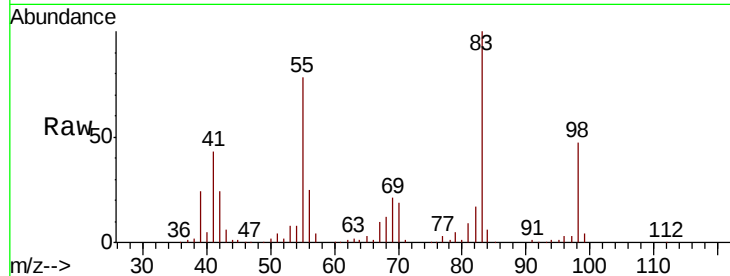




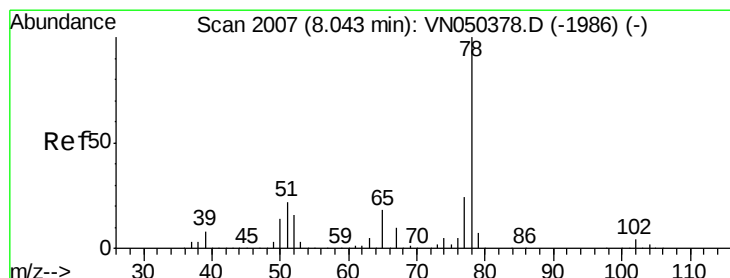
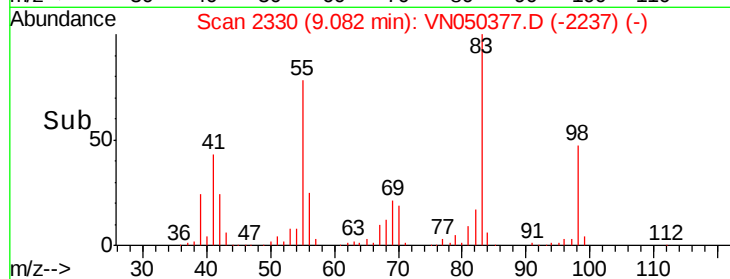
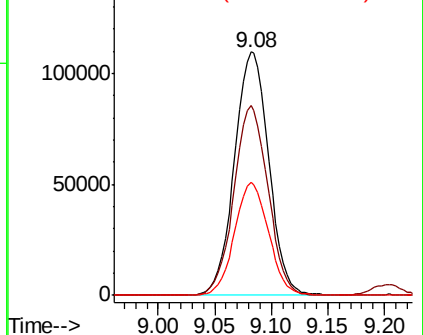
#39
Methvlcvclohexane
Concen: 20.064 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 231850
Ion Ratio Lower Upper
83 100
55 78.2 61.8 92.8
98 46.7 36.5 54.7

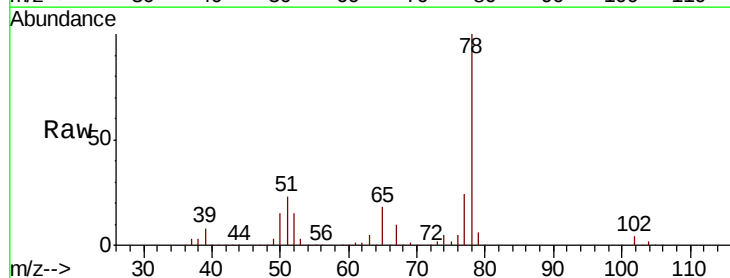


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

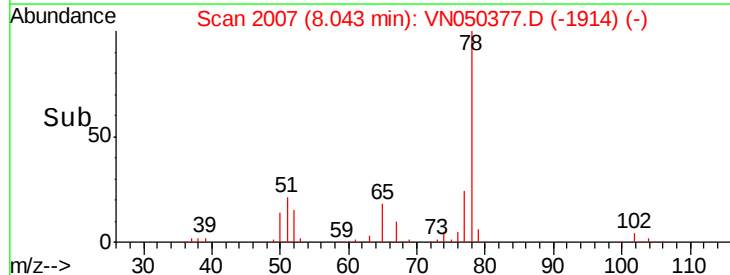
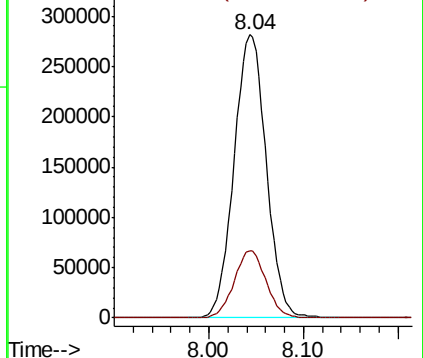


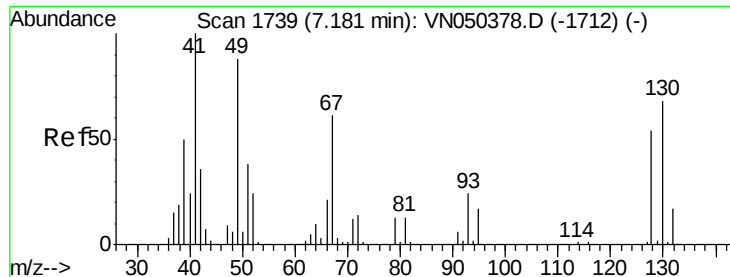
#40
Benzene
Concen: 20.486 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

Tgt Ion: 78 Resp: 666763
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

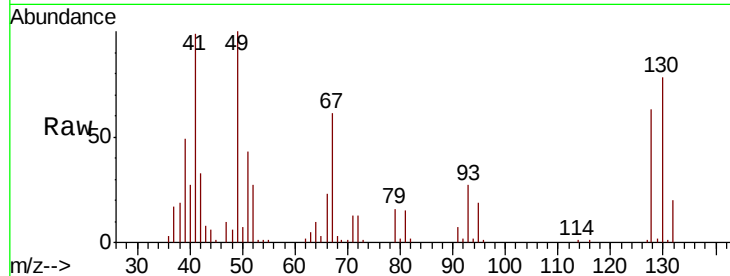




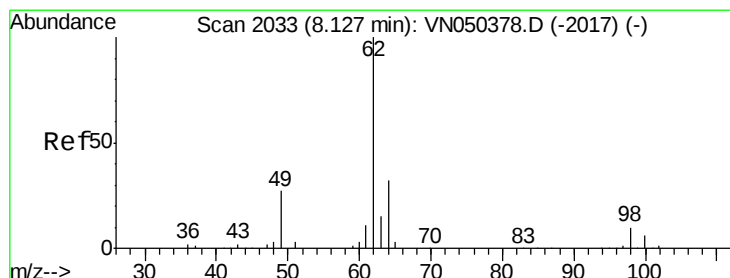
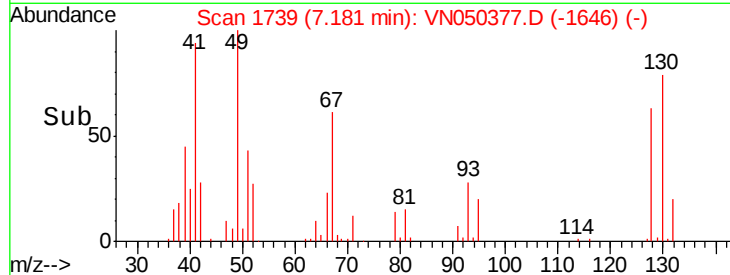
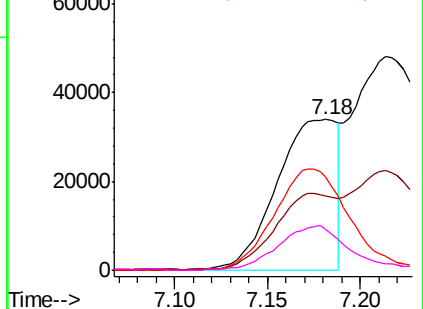
#41
Methacrylonitrile
Concen: 19.053 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 41 Resp: 77241
Ion Ratio Lower Upper
41 100
39 51.3 55.8 83.6#
67 84.2 84.3 126.5#
52 35.3 34.2 51.2

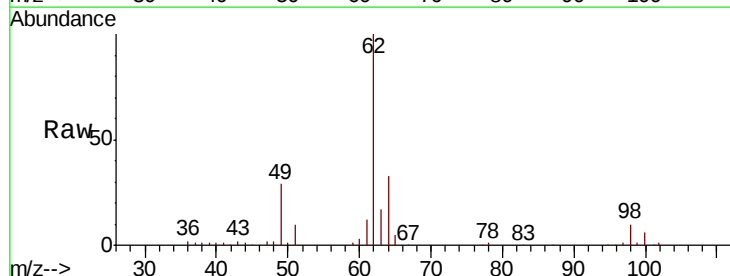


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

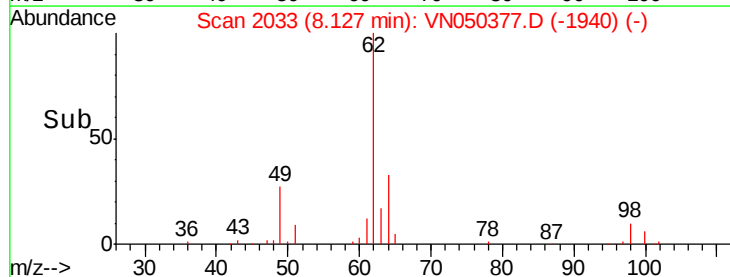
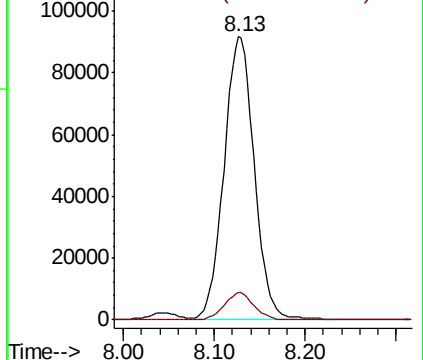


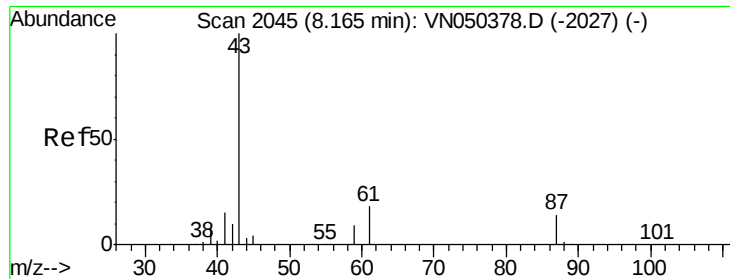
#42
1,2-Dichloroethane
Concen: 20.412 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

Tgt Ion: 62 Resp: 210907
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 19.845 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

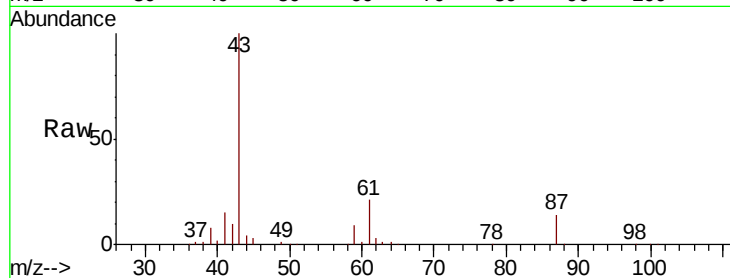
Tot Ion: 43 Resp: 261171

Ion Ratio Lower Upper

43 100

61 20.4 15.8 23.6

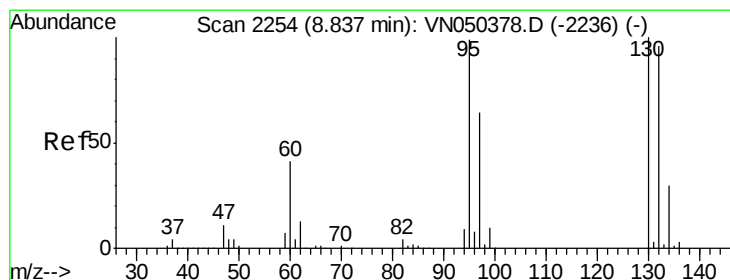
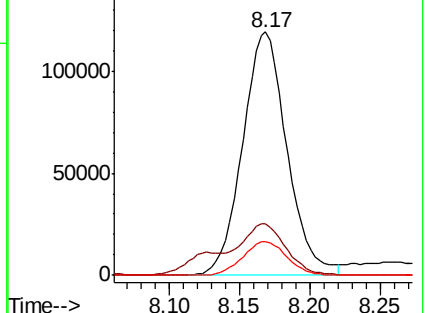
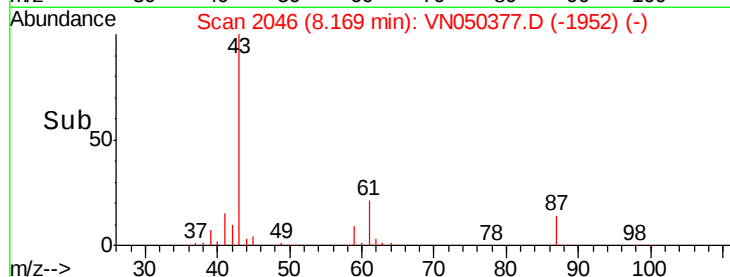
87 13.9 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050377.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN050377.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN050377.D (-1952) (-)



#44

Trichloroethene

Concen: 20.310 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050377.D

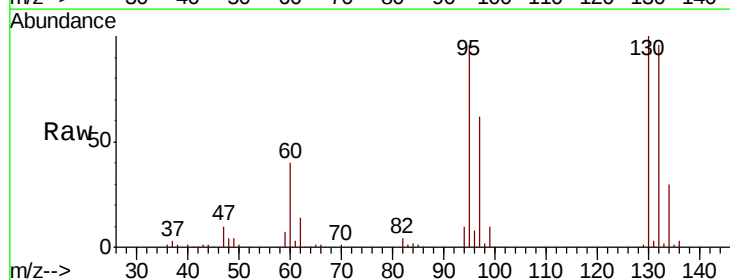
Acq: 6 Aug 2018 12:00

Tgt Ion:130 Resp: 177612

Ion Ratio Lower Upper

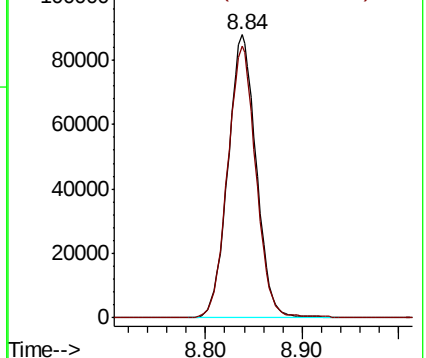
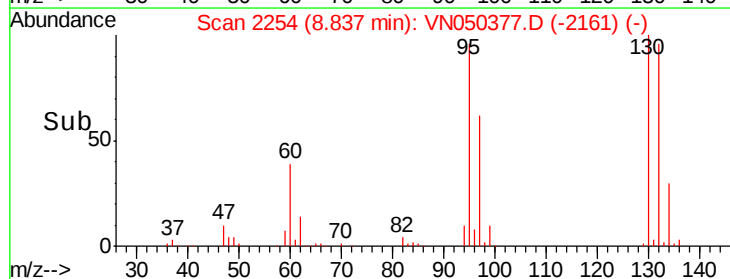
130 100

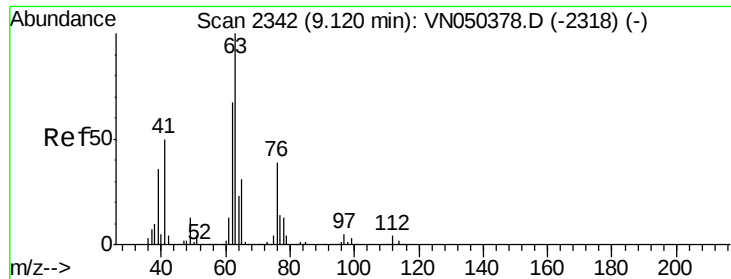
95 95.9 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050377.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050377.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 20.537 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

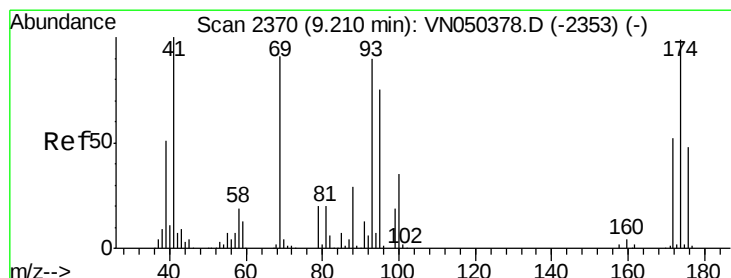
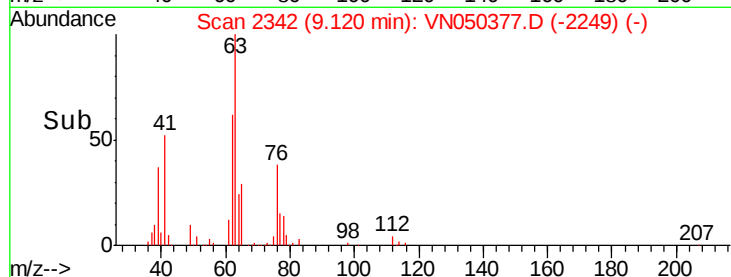
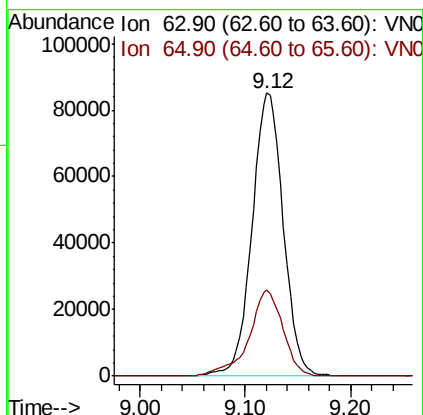
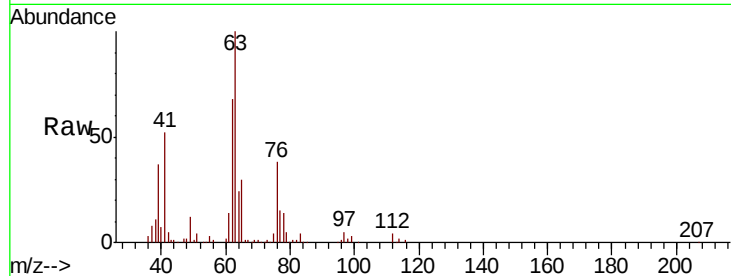
VSTDIC020

Tot Ion: 63 Resp: 175735

Ion Ratio Lower Upper

63 100

65 30.3 25.5 38.3



#46

Dibromomethane

Concen: 20.284 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

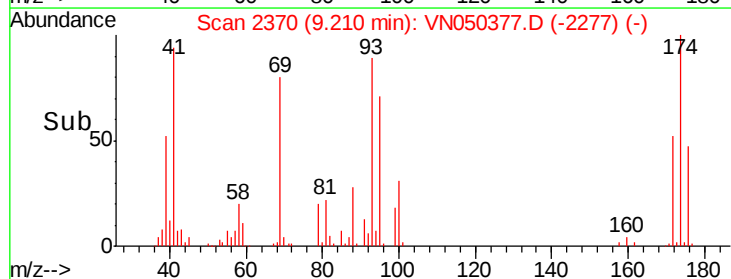
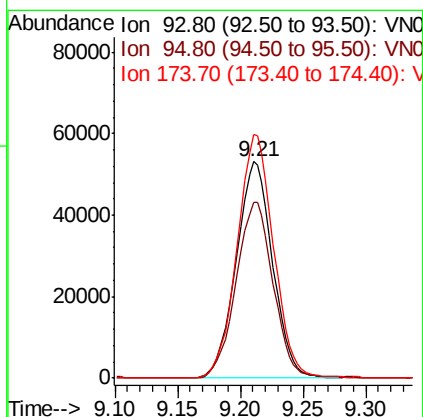
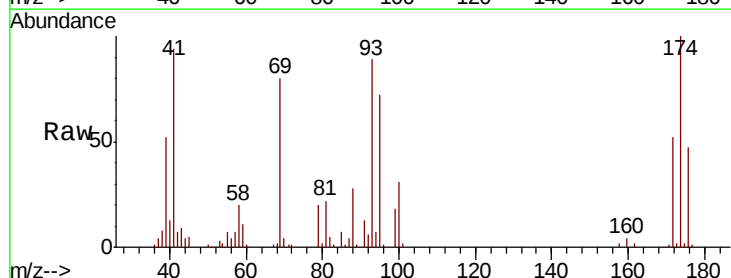
Tgt Ion: 93 Resp: 107179

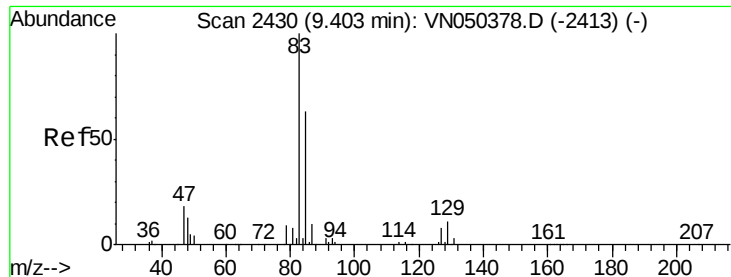
Ion Ratio Lower Upper

93 100

95 82.9 66.6 100.0

174 112.6 87.1 130.7





#47

Bromodichloromethane

Concen: 20.144 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

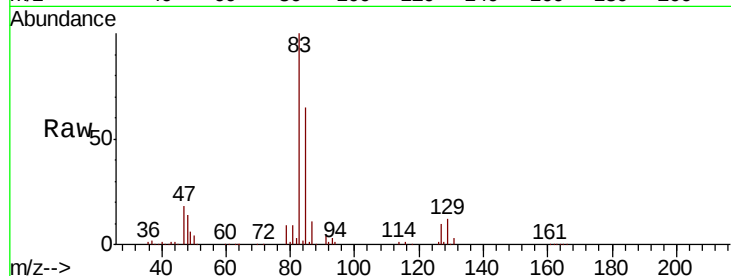
Tot Ion: 83 Resp: 220460

Ion Ratio Lower Upper

83 100

85 65.4 51.1 76.7

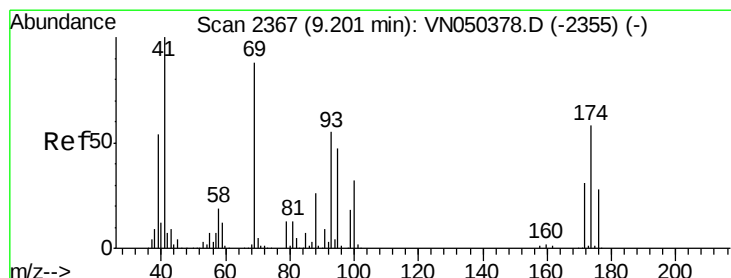
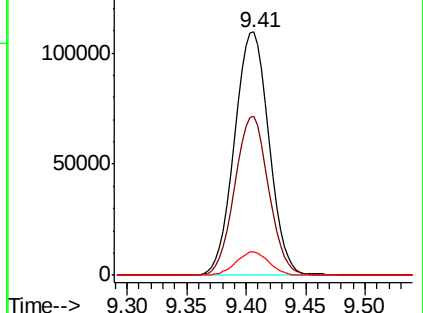
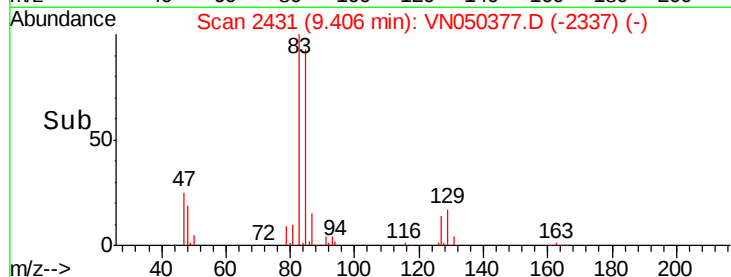
127 9.7 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN050377.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050377.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050377.D (-2337) (-)



#48

Methyl methacrylate

Concen: 20.238 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

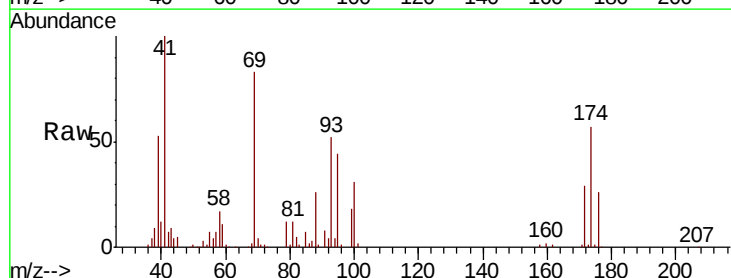
Tgt Ion: 41 Resp: 133493

Ion Ratio Lower Upper

41 100

69 86.8 70.6 105.8

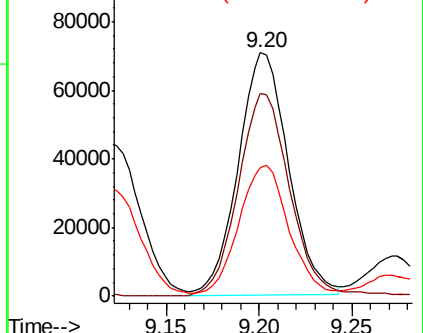
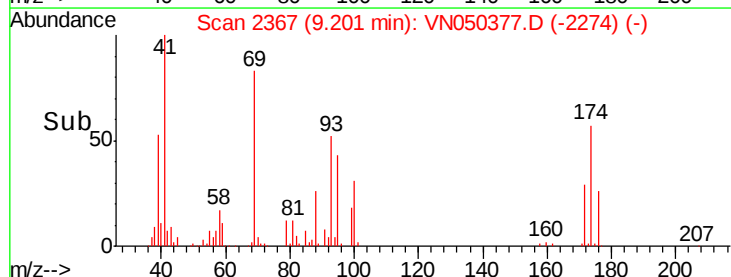
39 53.8 43.9 65.9

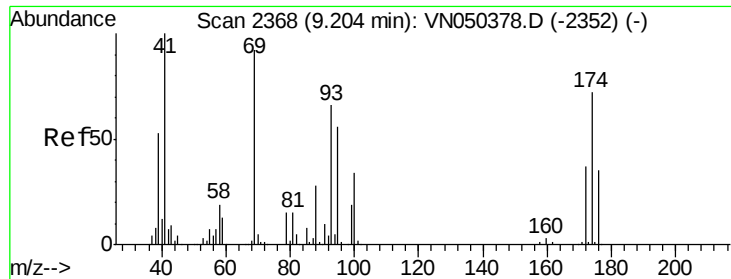


Abundance Ion 41.00 (40.70 to 41.70): VN050377.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN050377.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN050377.D (-2274) (-)





#49

1,4-Dioxane

Concen: 388.070 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

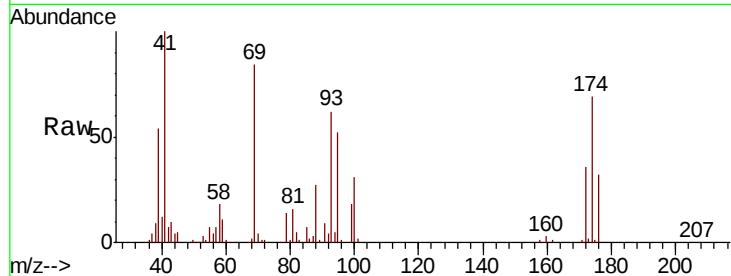
Tot Ion: 88 Resp: 39457

Ion Ratio Lower Upper

88 100

43 30.6 26.9 40.3

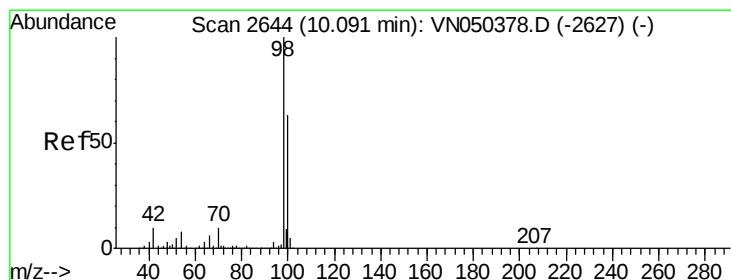
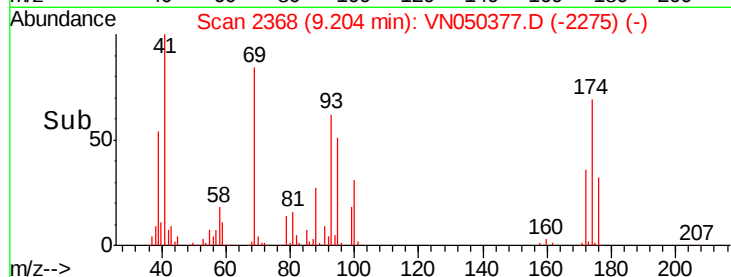
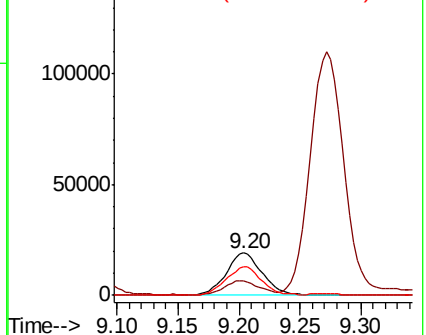
58 67.2 57.3 85.9



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: 20.395 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050377.D

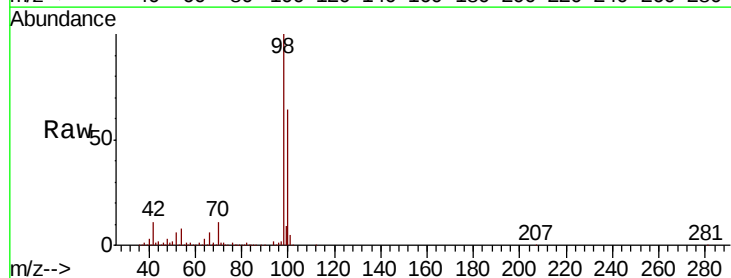
Acq: 6 Aug 2018 12:00

Tgt Ion: 98 Resp: 592828

Ion Ratio Lower Upper

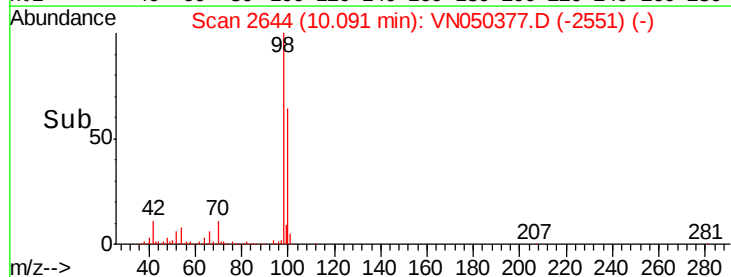
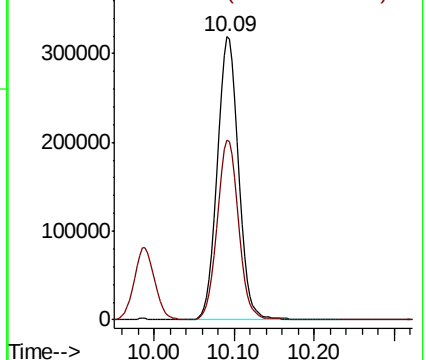
98 100

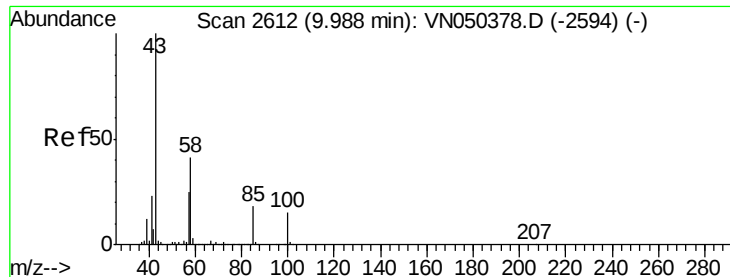
100 63.6 50.7 76.1



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: 102.863 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

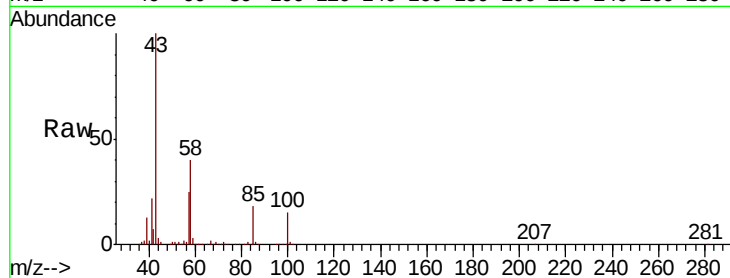
VSTDIC020

Tot Ion: 43 Resp: 974939

Ion Ratio Lower Upper

43 100

58 39.8 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN050377.D (-2519) (-)

Ion 58.00 (57.70 to 58.70): VN050377.D (-2519) (-)

9.99

600000

500000

400000

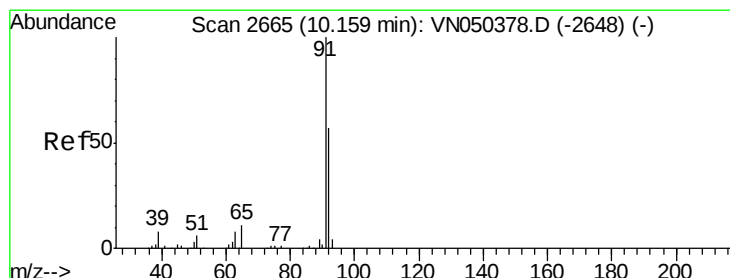
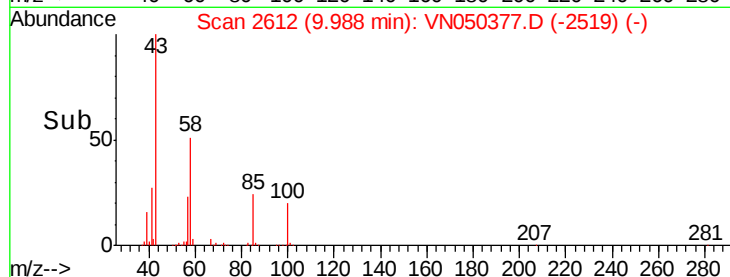
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.849 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.00 min

Lab File: VN050377.D

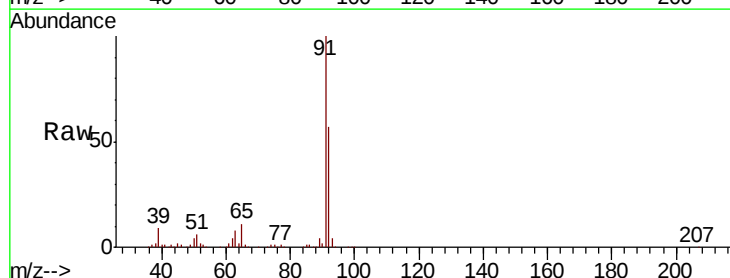
Acq: 6 Aug 2018 12:00

Tgt Ion: 92 Resp: 407599

Ion Ratio Lower Upper

92 100

91 175.8 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN050377.D (-2572) (-)

Ion 91.00 (90.70 to 91.70): VN050377.D (-2572) (-)

10.16

400000

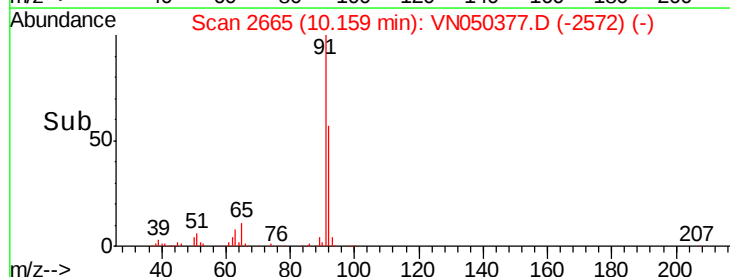
300000

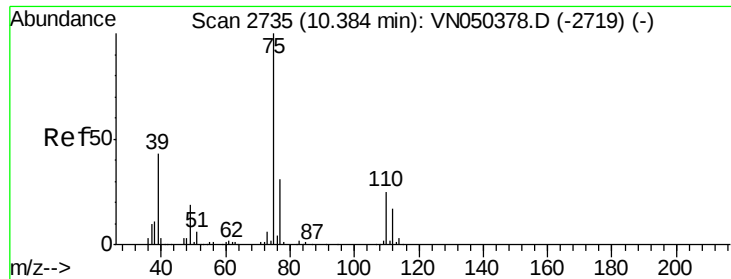
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.068 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

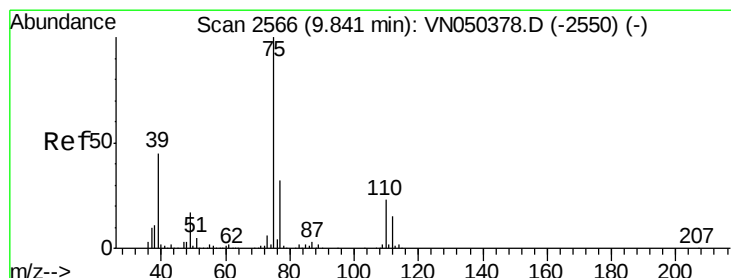
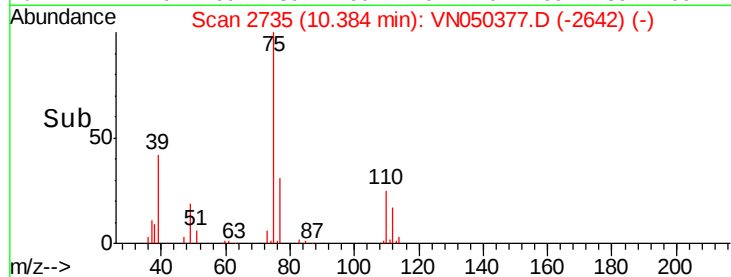
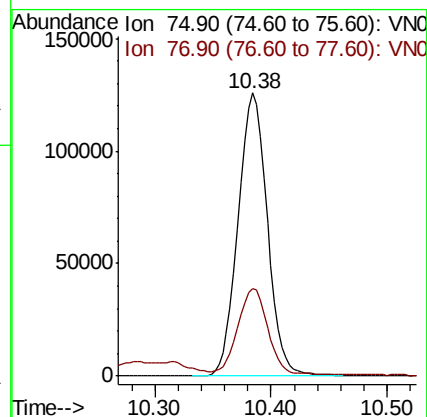
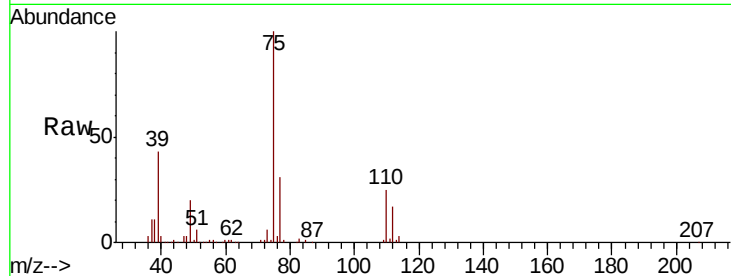
VSTDIC020

Tot Ion: 75 Resp: 220522

Ion Ratio Lower Upper

75 100

77 30.5 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.673 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

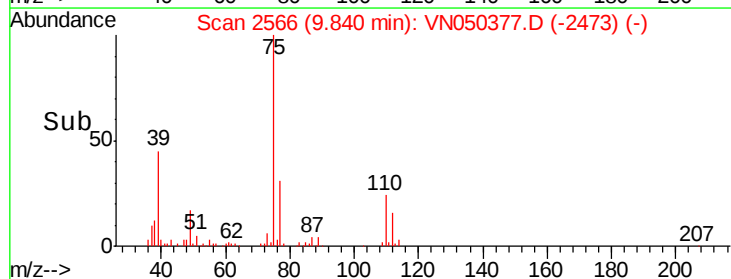
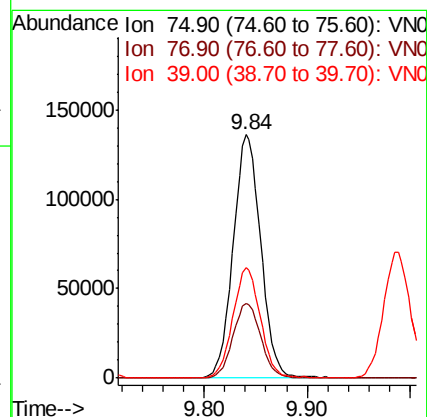
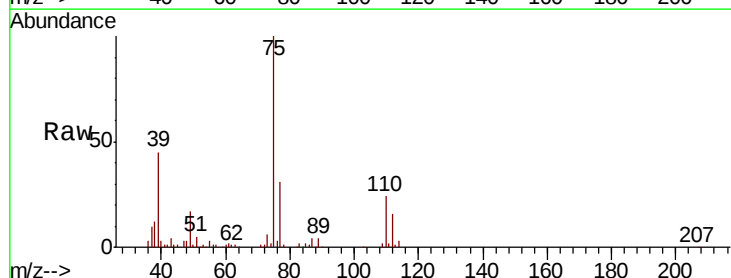
Tgt Ion: 75 Resp: 253538

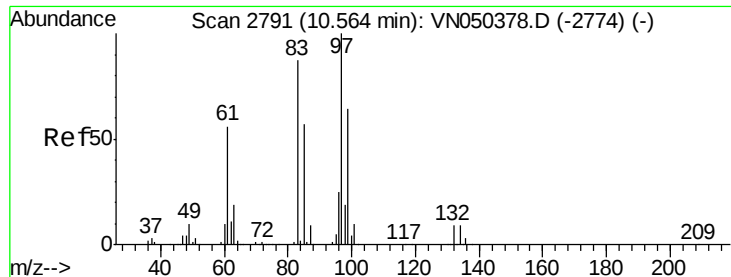
Ion Ratio Lower Upper

75 100

77 30.9 25.5 38.3

39 45.4 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 20.404 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 155733

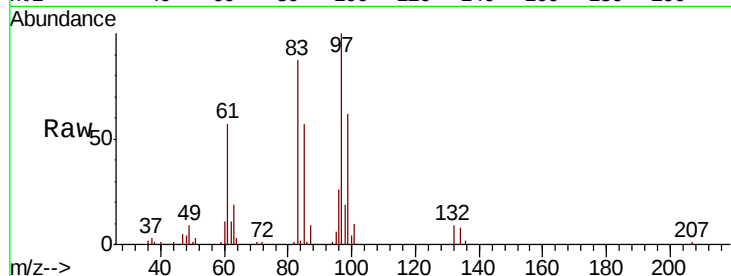
Ion Ratio Lower Upper

97 100

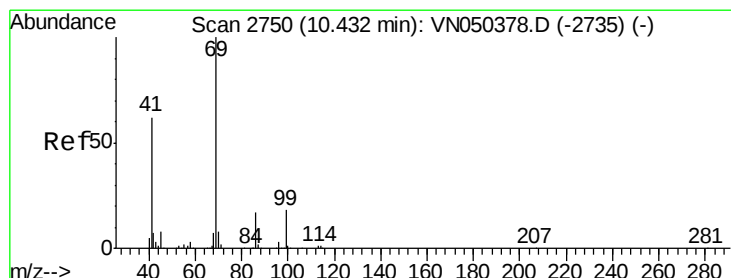
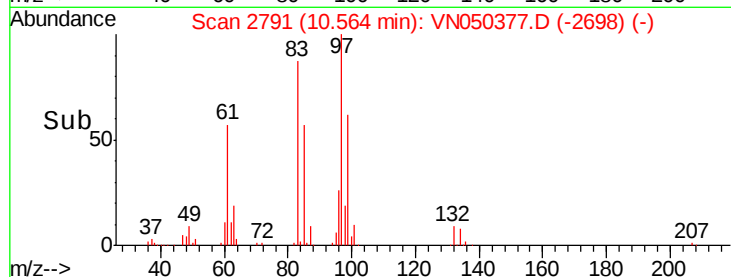
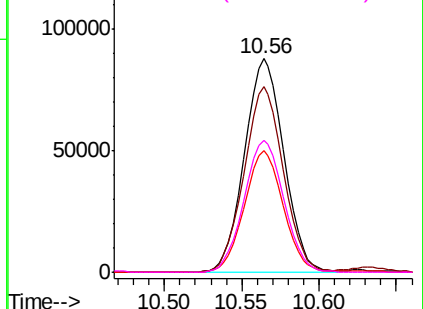
83 87.1 69.2 103.8

85 56.8 44.0 66.0

99 61.9 49.9 74.9



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



#56

Ethyl methacrylate

Concen: 19.020 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

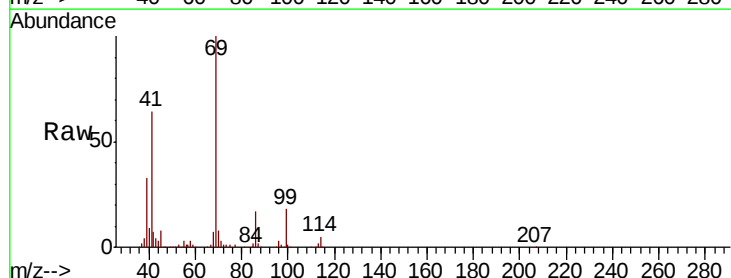
Tgt Ion: 69 Resp: 193590

Ion Ratio Lower Upper

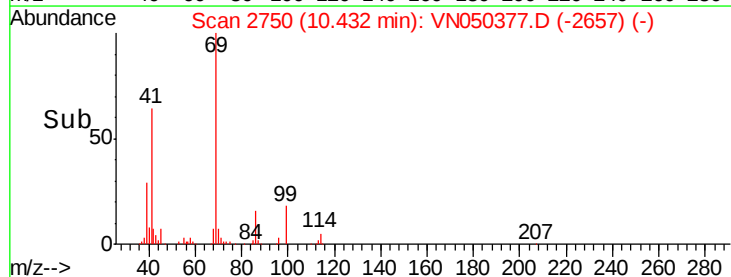
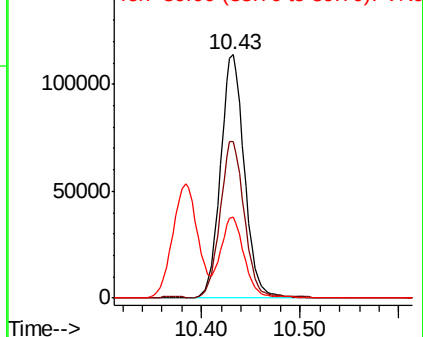
69 100

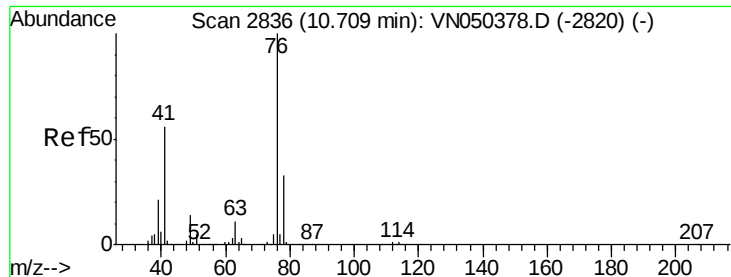
41 64.2 51.0 76.4

39 32.7 26.6 40.0



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





#57

1,3-Dichloropropane

Concen: 20.493 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

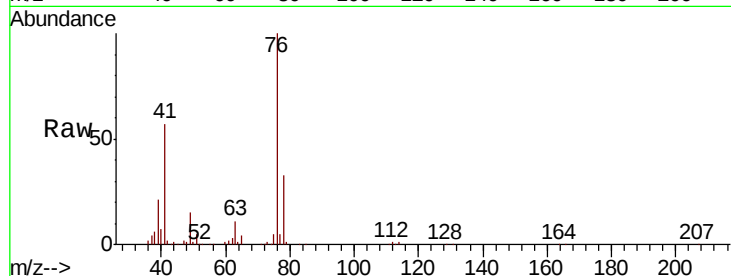
VSTDIC020

Tot Ion: 76 Resp: 256736

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

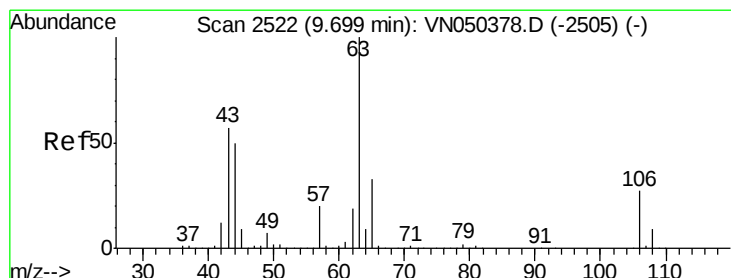
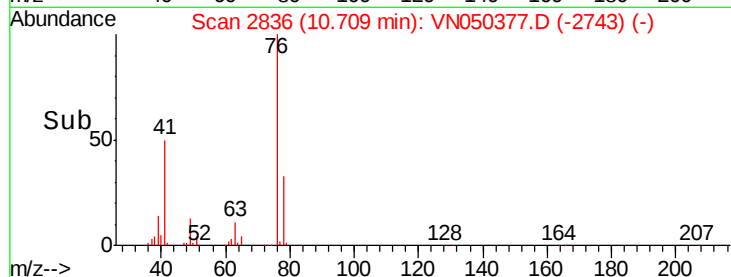
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 95.028 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050377.D

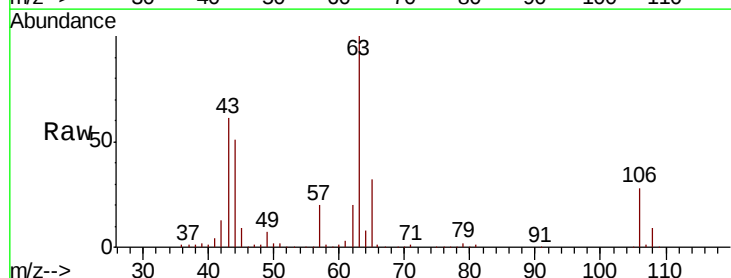
Acq: 6 Aug 2018 12:00

Tgt Ion: 63 Resp: 454633

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

300000

250000

200000

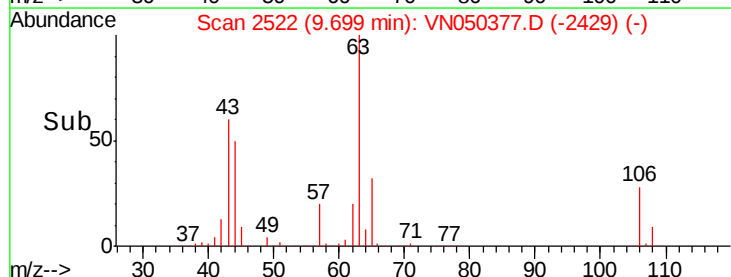
150000

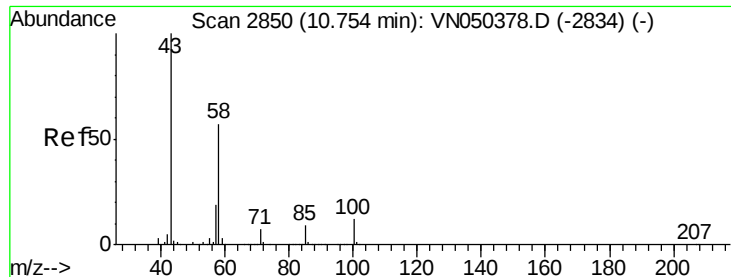
100000

50000

0

Time--> 9.60 9.70 9.80

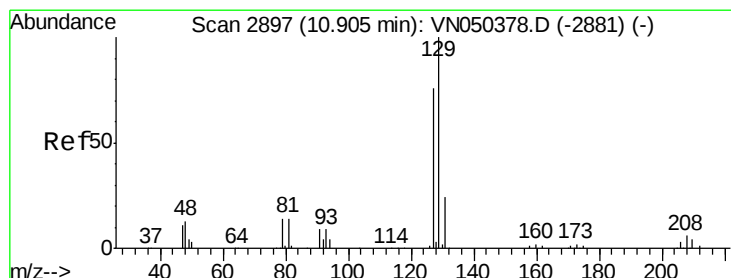
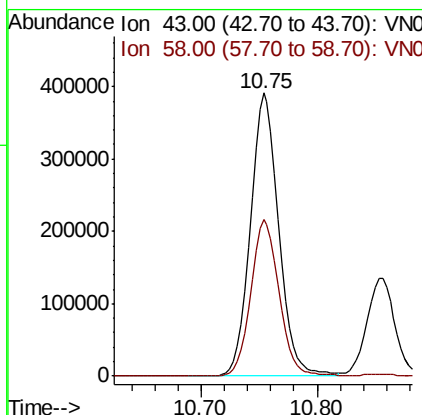
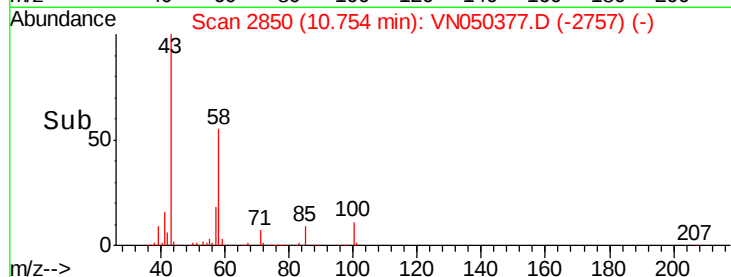
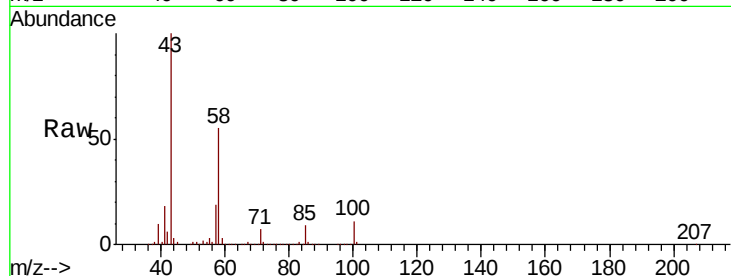




#59
2-Hexanone
Concen: 100.769 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

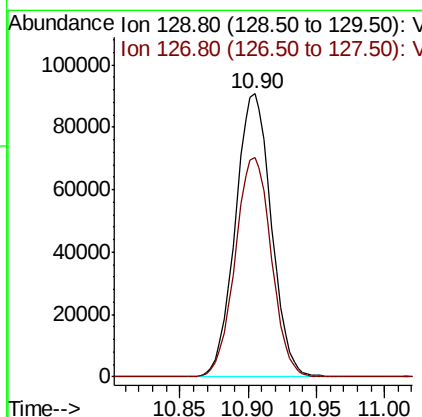
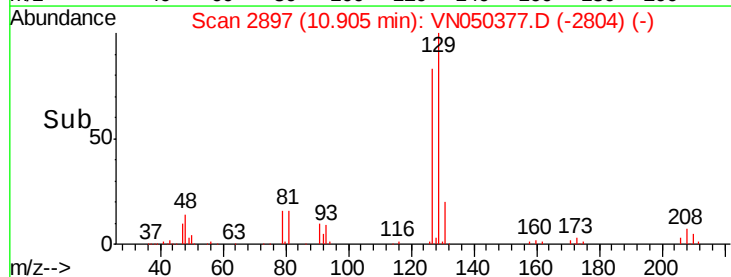
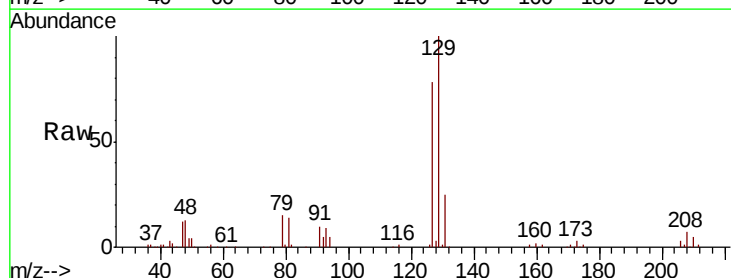
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

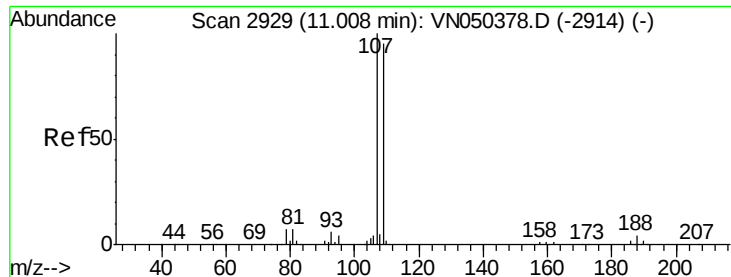
Tot Ion: 43 Resp: 666545
Ion Ratio Lower Upper
43 100
58 55.4 27.6 82.7



#60
Dibromochloromethane
Concen: 19.786 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

Tgt Ion: 129 Resp: 166363
Ion Ratio Lower Upper
129 100
127 77.7 38.0 113.9





#61

1,2-Dibromoethane

Concen: 20.592 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

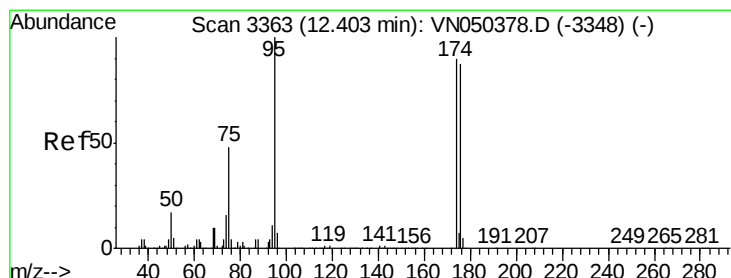
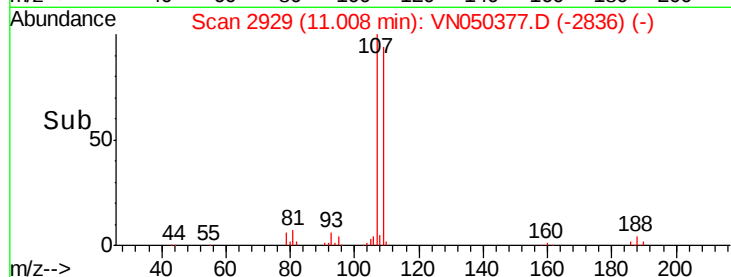
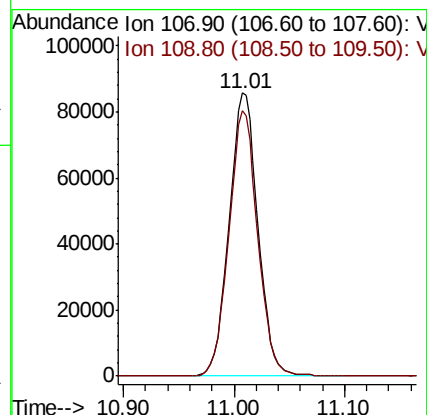
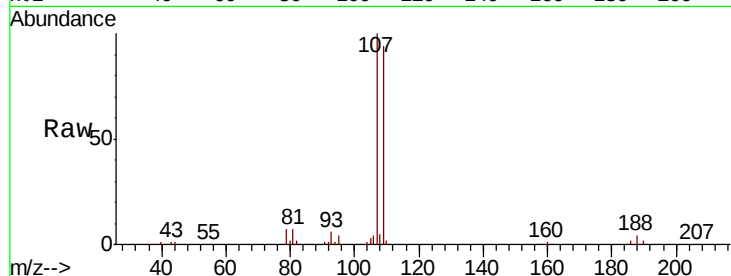
VSTDIC020

Tot Ion:107 Resp: 154918

Ion Ratio Lower Upper

107 100

109 93.6 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 19.742 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

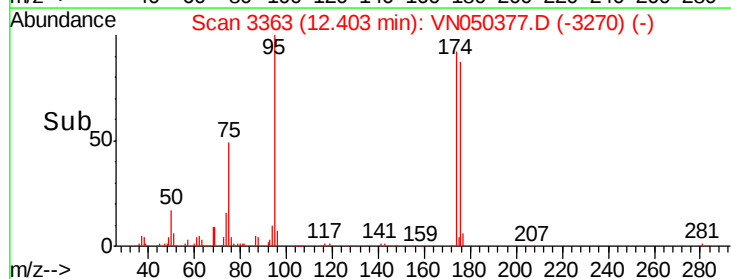
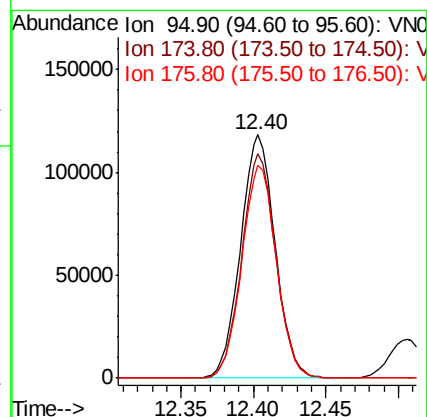
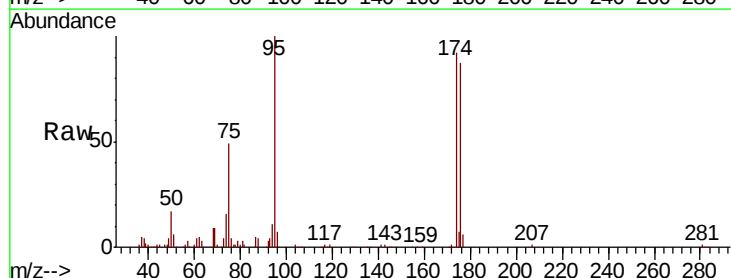
Tgt Ion: 95 Resp: 195581

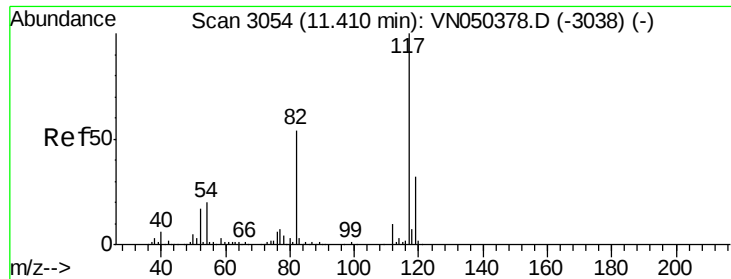
Ion Ratio Lower Upper

95 100

174 90.9 0.0 178.2

176 87.5 0.0 173.4

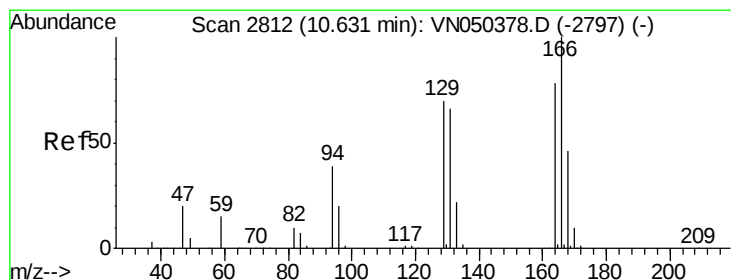
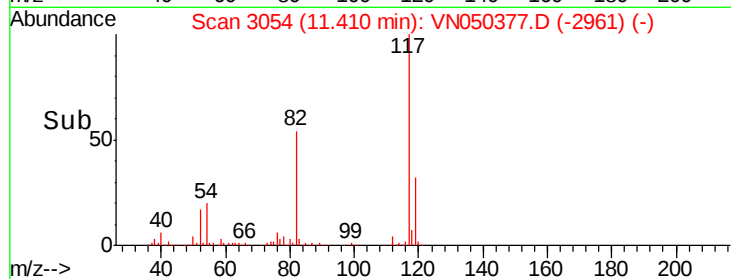
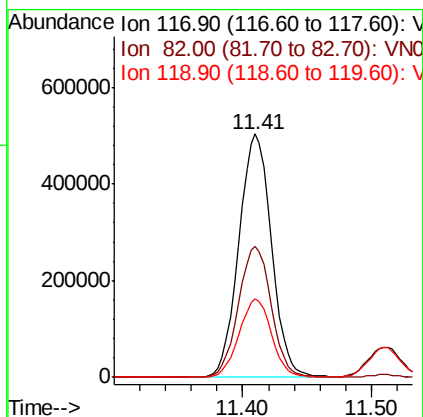
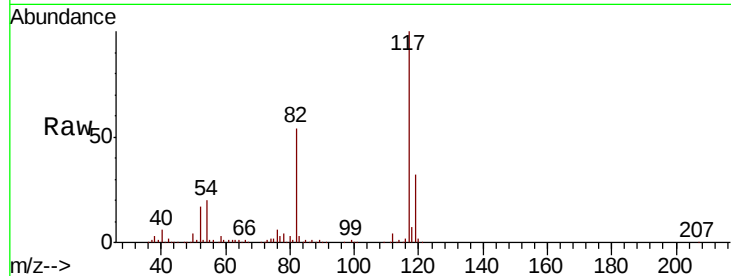




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

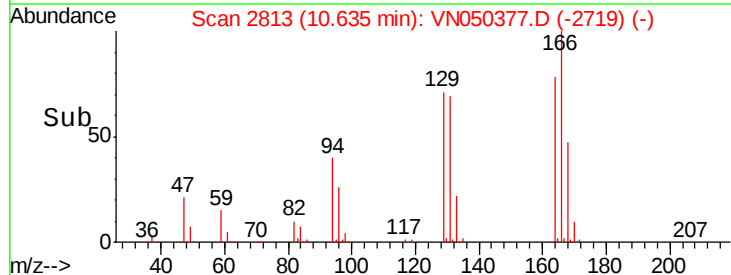
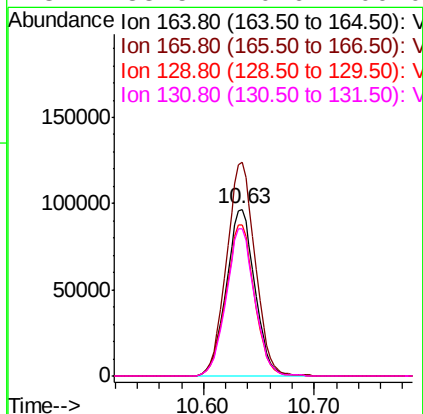
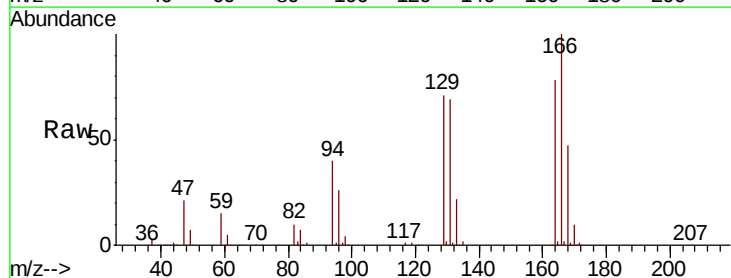
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

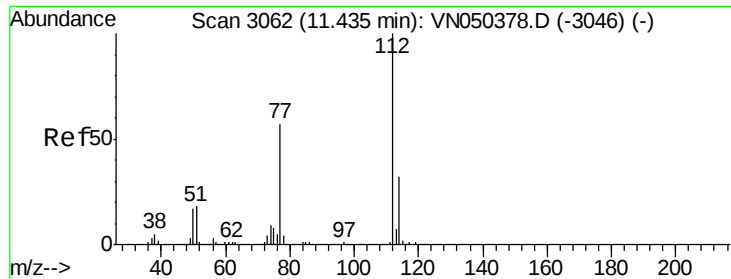
Tot Ion:117 Resp: 887932
Ion Ratio Lower Upper
117 100
82 53.9 43.7 65.5
119 32.0 26.1 39.1



#64
Tetrachloroethene
Concen: 20.886 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

Tgt Ion:164 Resp: 173285
Ion Ratio Lower Upper
164 100
166 128.1 102.1 153.1
129 90.9 73.2 109.8
131 88.5 70.6 106.0

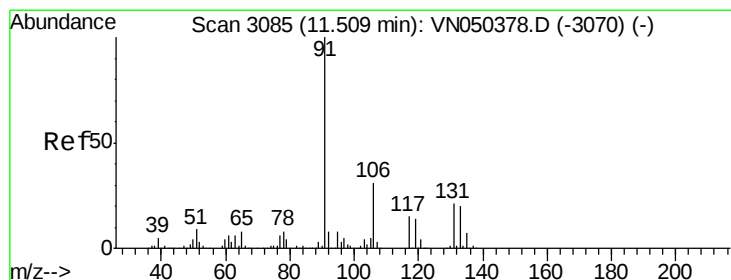
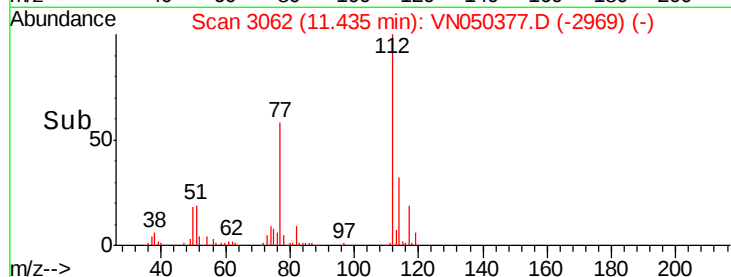
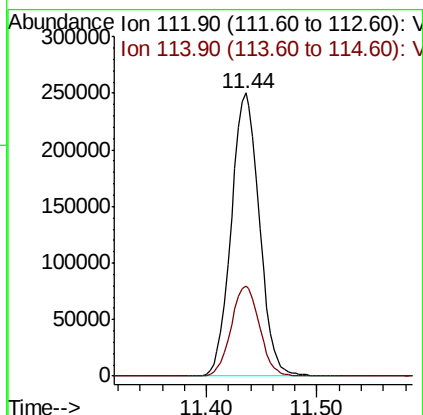
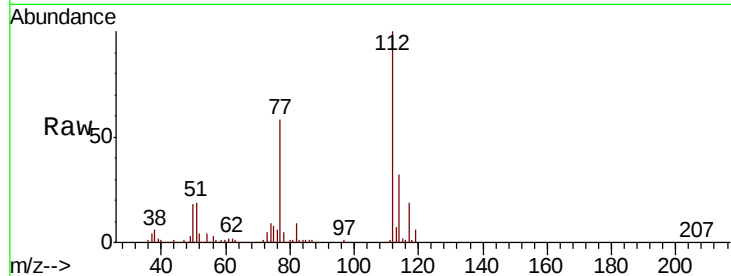




#65
Chlorobenzene
Concen: 19.892 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

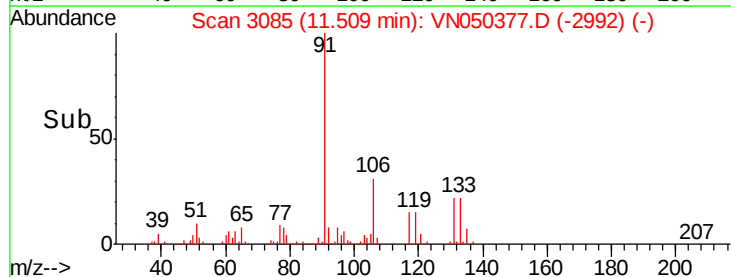
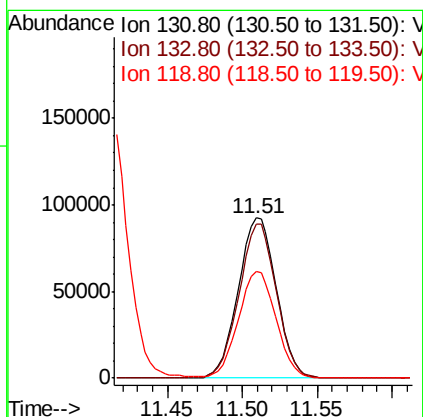
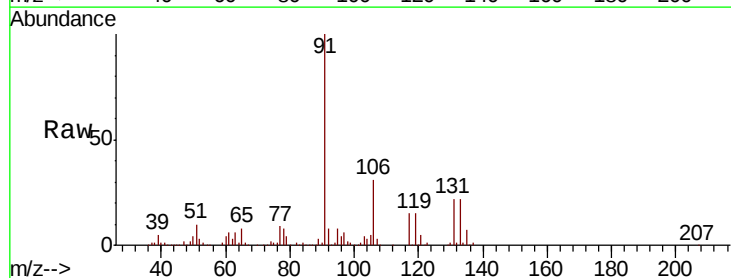
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

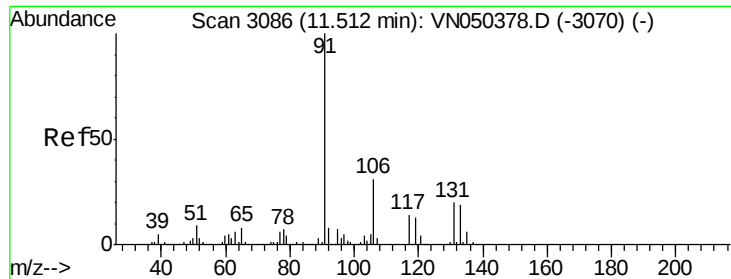
Tot Ion:112 Resp: 442813
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.134 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

Tgt Ion:131 Resp: 163122
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 66.2 32.9 98.7





#67

Ethyl Benzene

Concen: 20.402 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

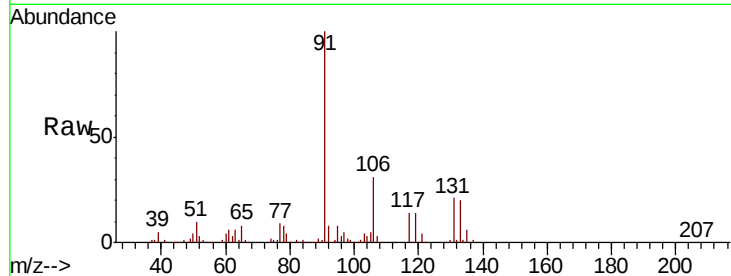
VSTDIC020

Tot Ion: 91 Resp: 734132

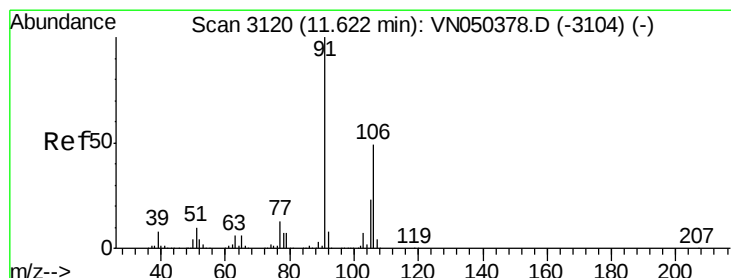
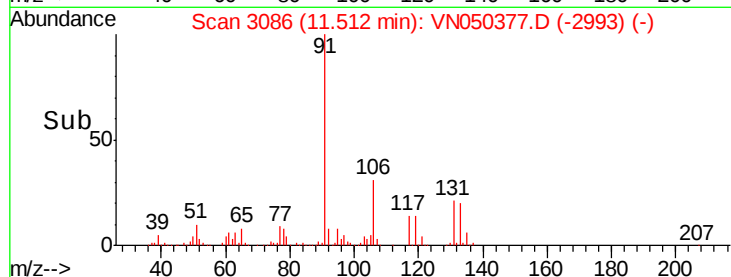
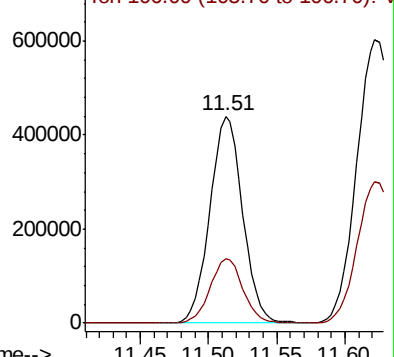
Ion Ratio Lower Upper

91 100

106 31.4 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050377.D (-2993) (-)



#68

m/p-Xylenes

Concen: 42.524 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050377.D

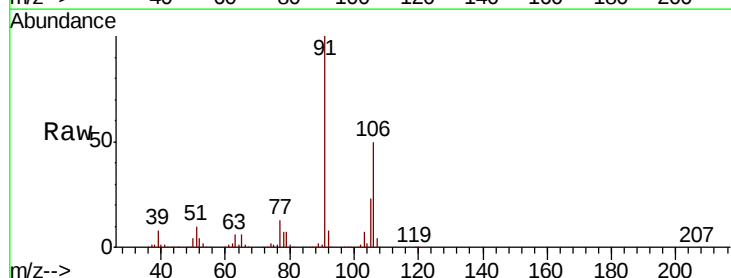
Acq: 6 Aug 2018 12:00

Tgt Ion: 106 Resp: 582518

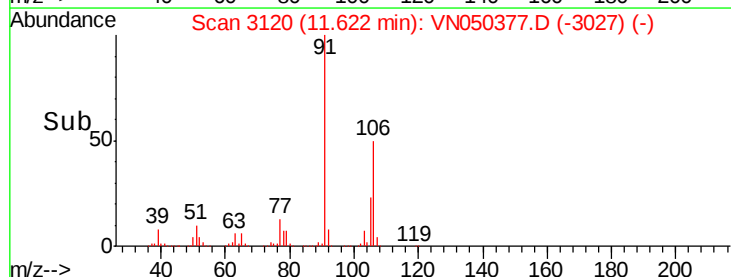
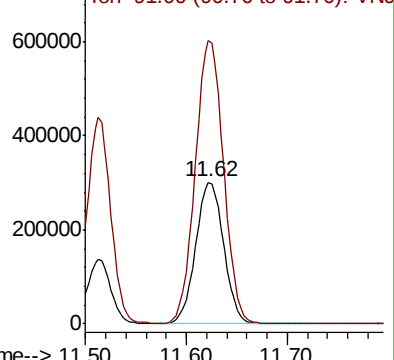
Ion Ratio Lower Upper

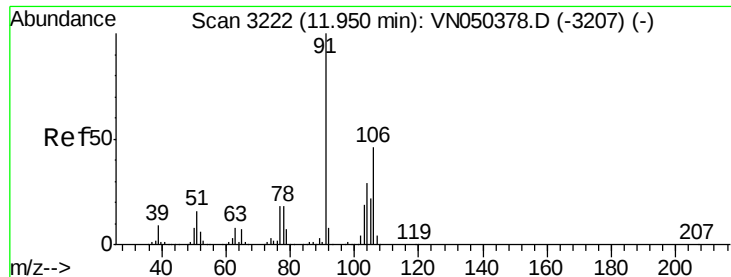
106 100

91 202.7 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VN050377.D (-3027) (-)

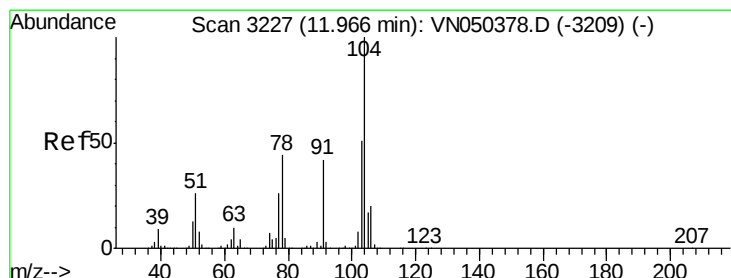
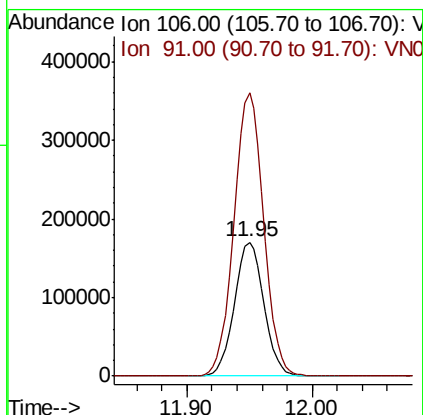
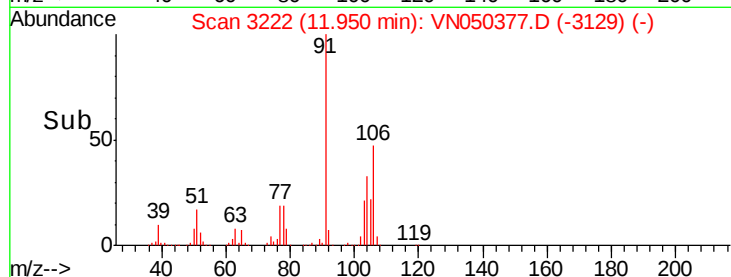
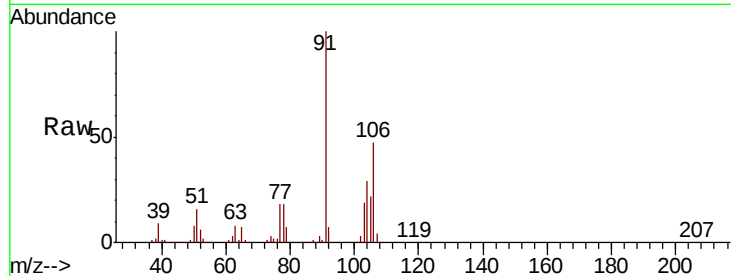




#69
o-Xylene
Concen: 20.962 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

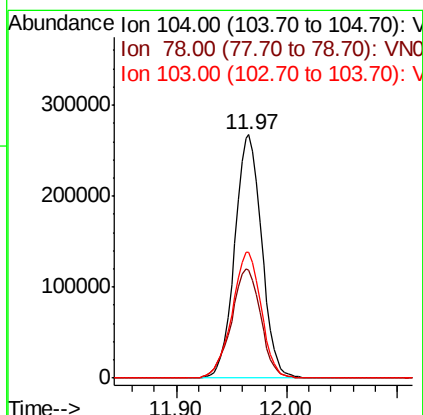
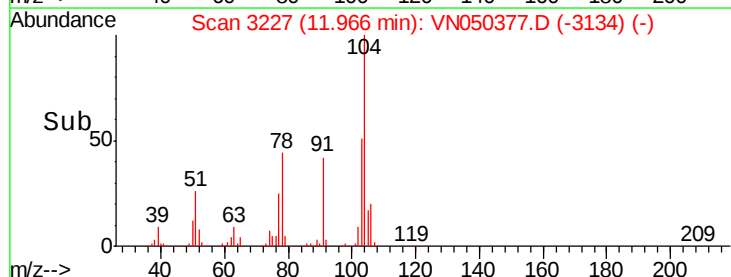
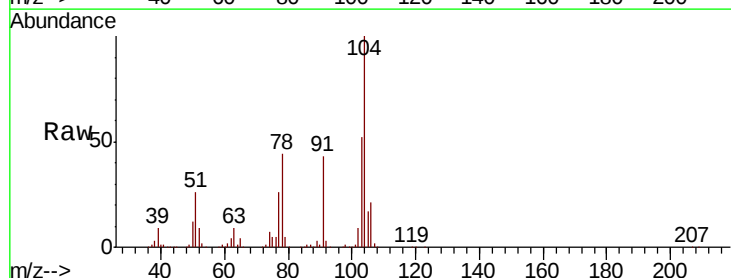
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

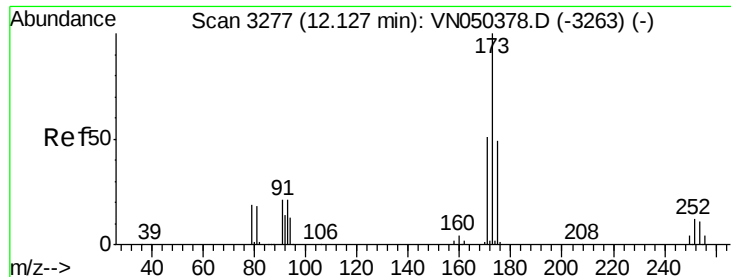
Tot Ion:106 Resp: 276615
Ion Ratio Lower Upper
106 100
91 214.2 107.7 323.1



#70
Styrene
Concen: 21.110 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

Tgt Ion:104 Resp: 452988
Ion Ratio Lower Upper
104 100
78 49.0 39.3 58.9
103 56.0 45.0 67.6





#71

Bromoform

Concen: 20.135 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

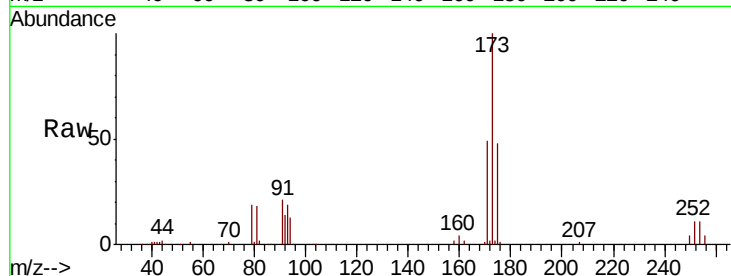
Tot Ion:173 Resp: 119227

Ion Ratio Lower Upper

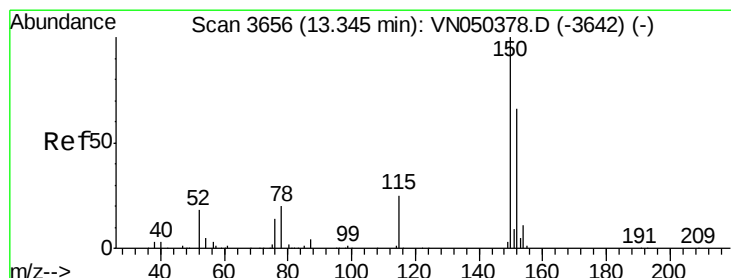
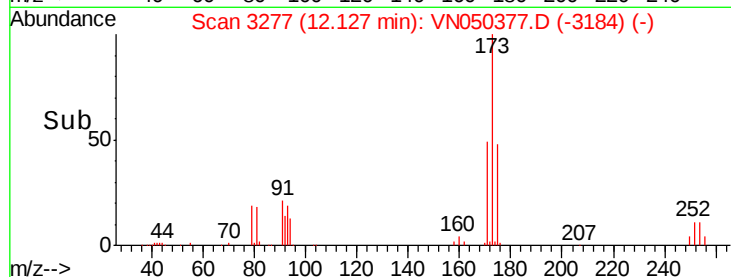
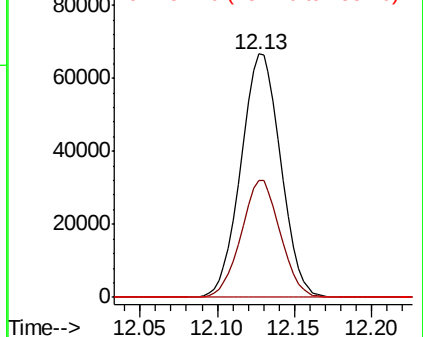
173 100

175 47.3 24.1 72.2

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

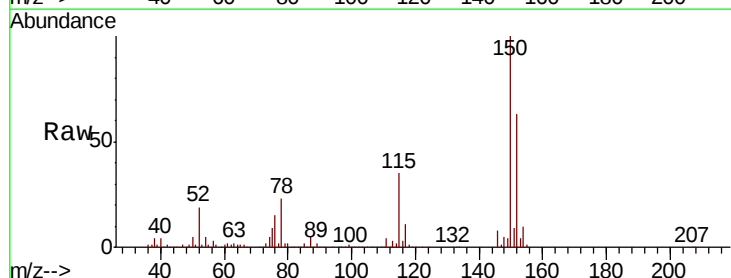
Tgt Ion:152 Resp: 468647

Ion Ratio Lower Upper

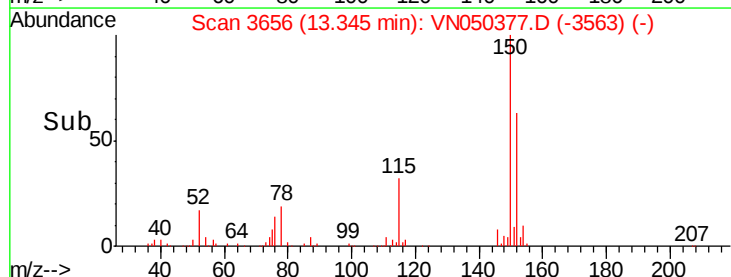
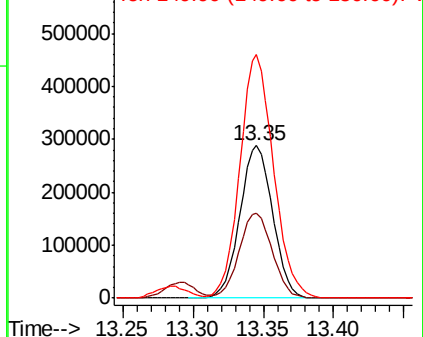
152 100

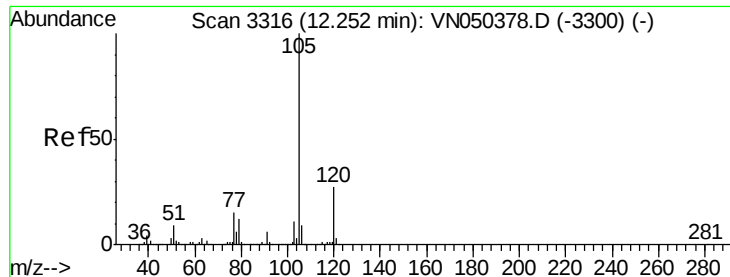
115 56.5 27.8 83.3

150 164.3 0.0 348.6



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





#73

Isopropylbenzene

Concen: 20.778 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

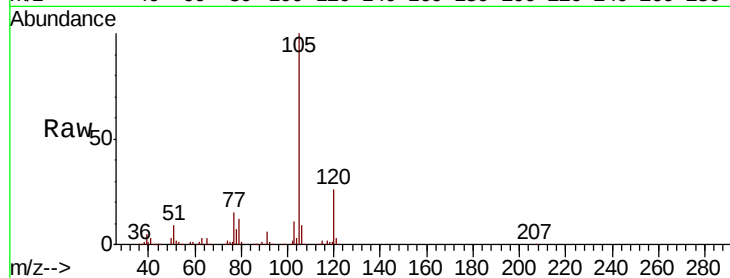
VSTDIC020

Tot Ion:105 Resp: 730969

Ion Ratio Lower Upper

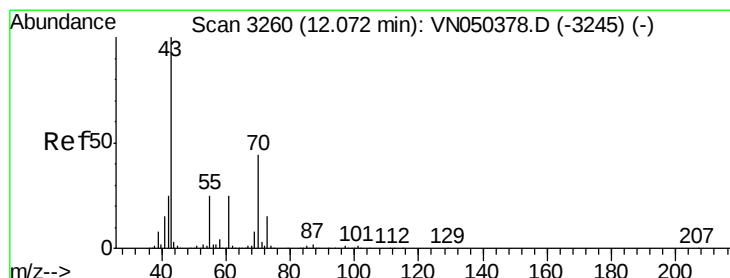
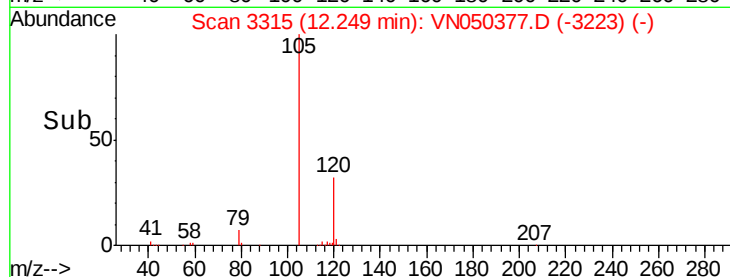
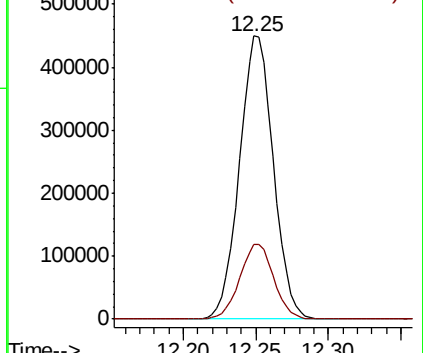
105 100

120 26.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.865 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Tgt Ion: 43 Resp: 226524

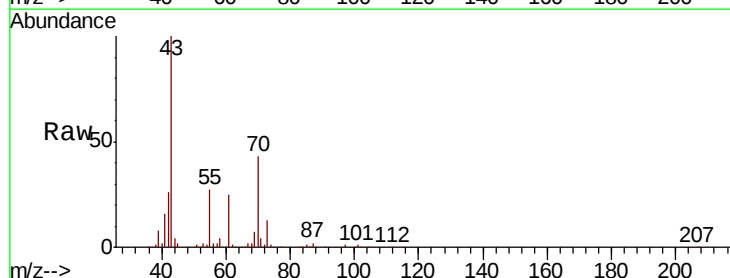
Ion Ratio Lower Upper

43 100

70 42.7 34.4 51.6

55 26.9 20.8 31.2

61 24.4 19.7 29.5

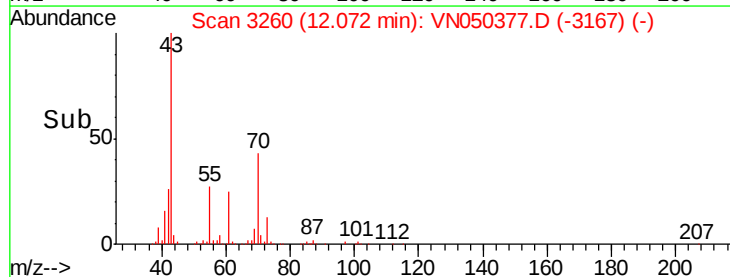
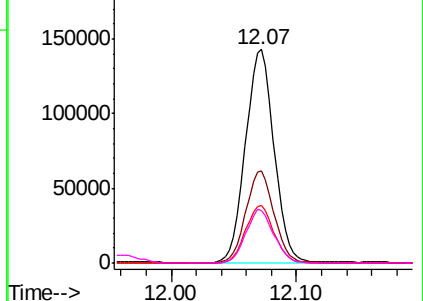


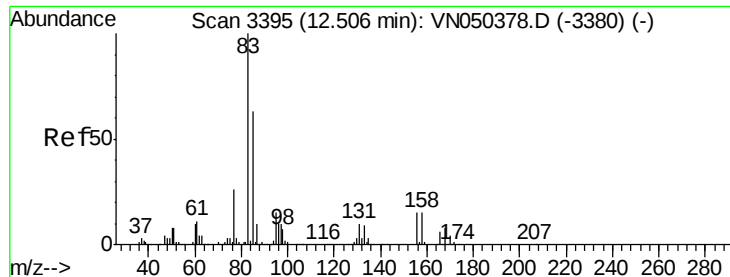
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: 19.976 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

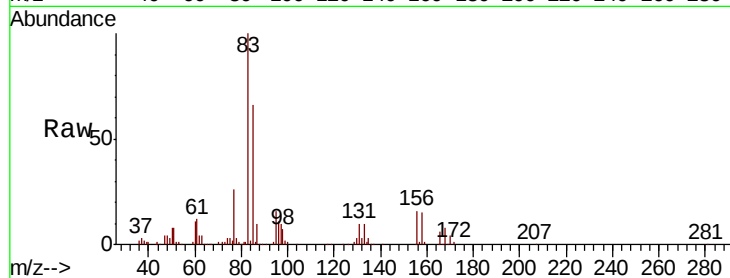
Tot Ion: 83 Resp: 202753

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

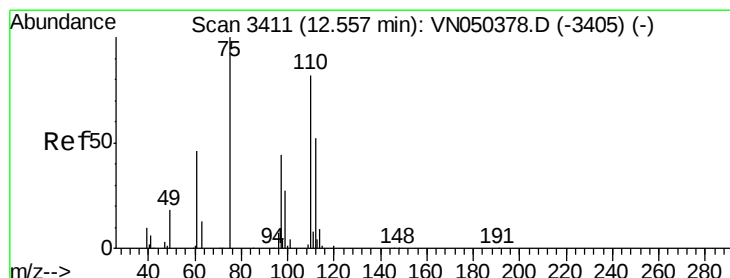
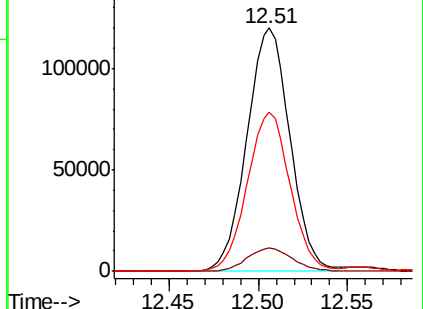
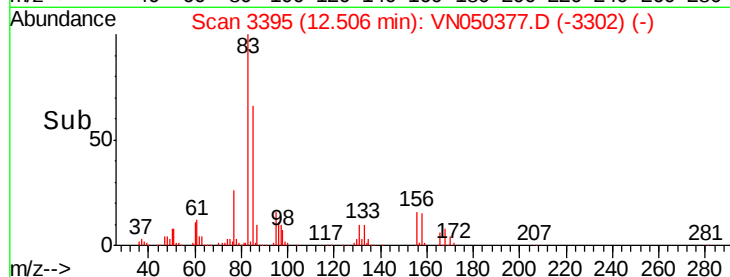
85 64.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN050377.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN050377.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN050377.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 28.197 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050377.D

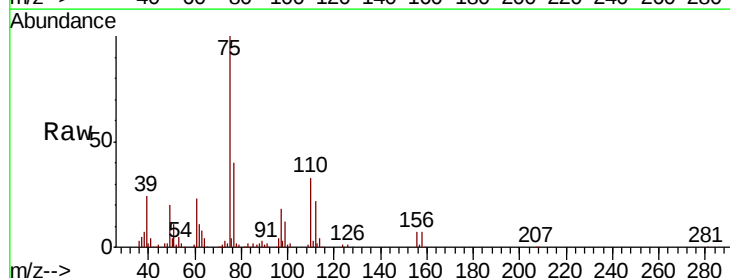
Acq: 6 Aug 2018 12:00

Tgt Ion: 75 Resp: 239190

Ion Ratio Lower Upper

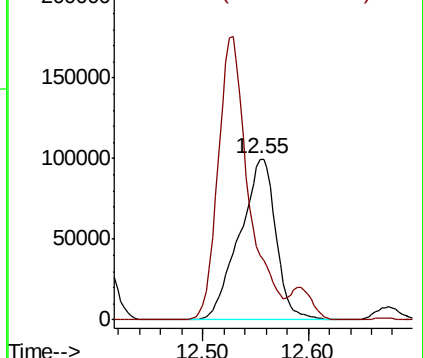
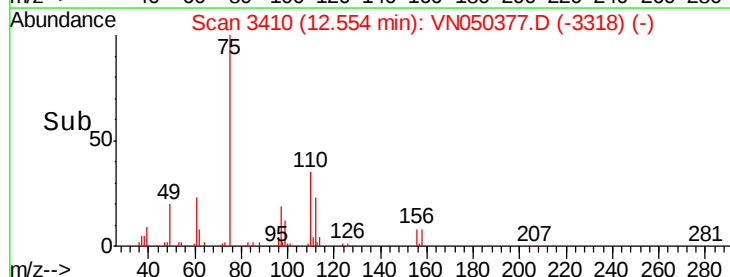
75 100

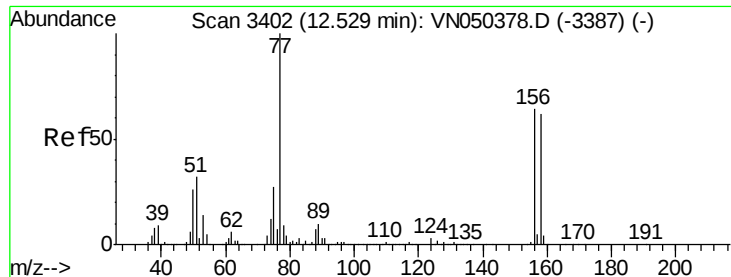
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050377.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN050377.D (-3318) (-)





#77

Bromobenzene

Concen: 20.464 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

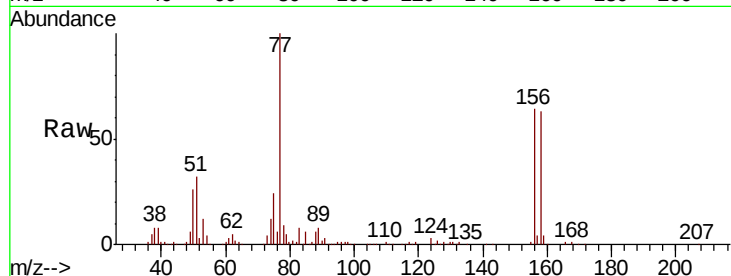
Tot Ion:156 Resp: 192867

Ion Ratio Lower Upper

156 100

77 182.8 91.7 275.1

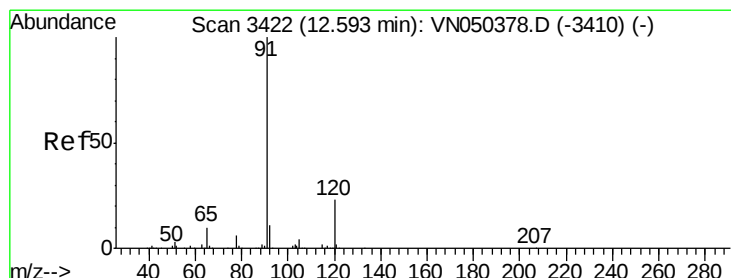
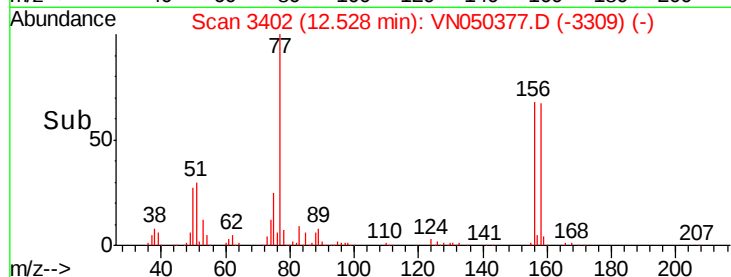
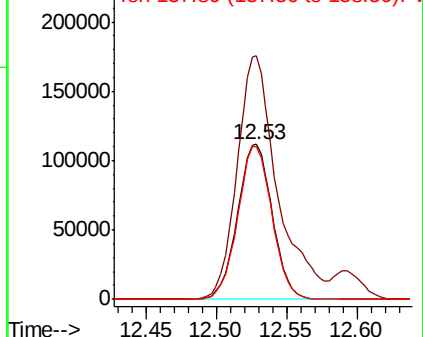
158 97.5 48.9 146.6



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: 20.931 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050377.D

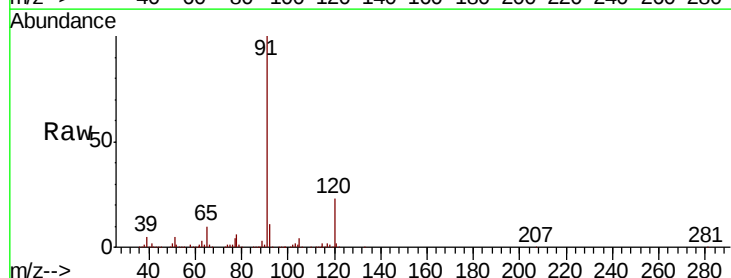
Acq: 6 Aug 2018 12:00

Tgt Ion: 91 Resp: 833503

Ion Ratio Lower Upper

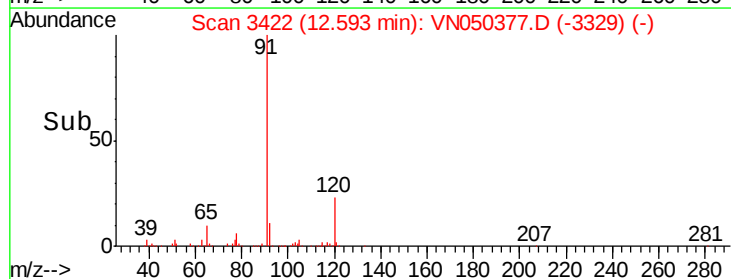
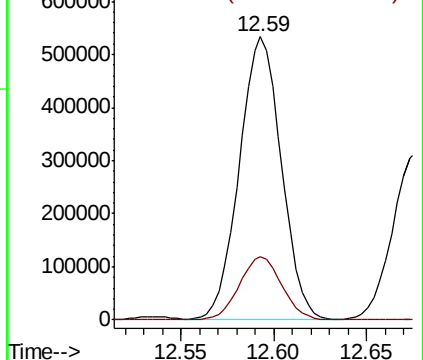
91 100

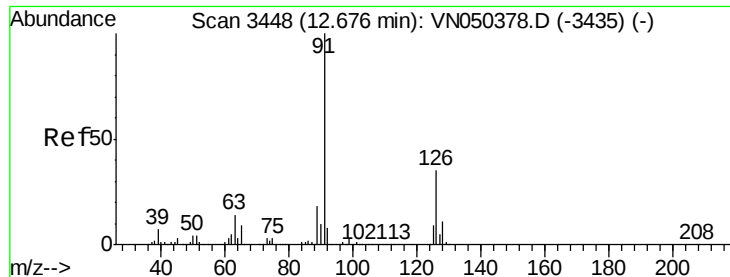
120 22.7 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.818 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampled :

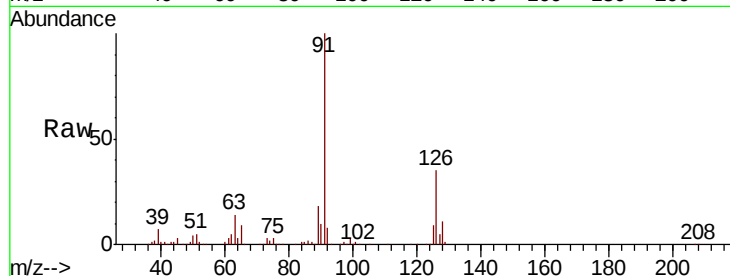
VSTDIC020

Tot Ion: 91 Resp: 511991

Ion Ratio Lower Upper

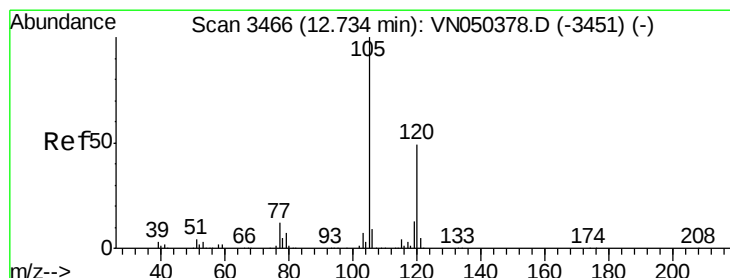
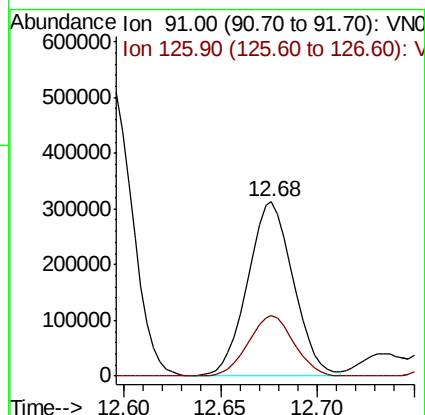
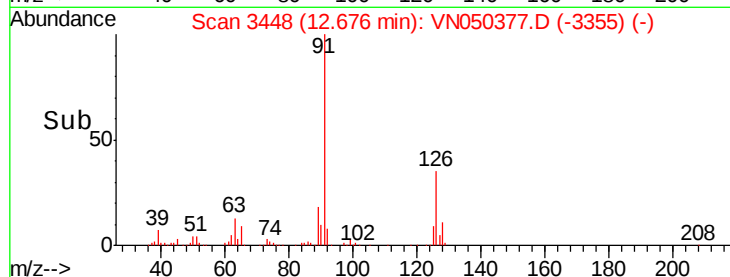
91 100

126 34.9 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050377.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN050377.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.440 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050377.D

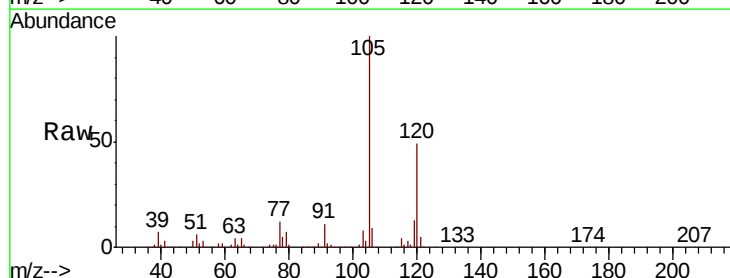
Acq: 6 Aug 2018 12:00

Tgt Ion:105 Resp: 612278

Ion Ratio Lower Upper

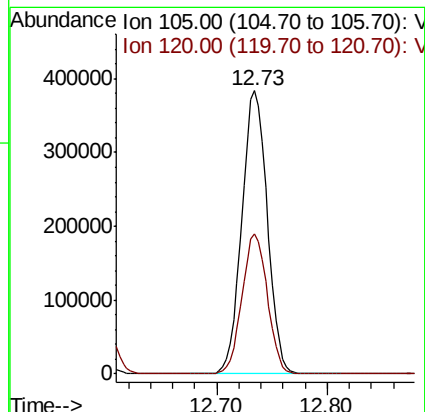
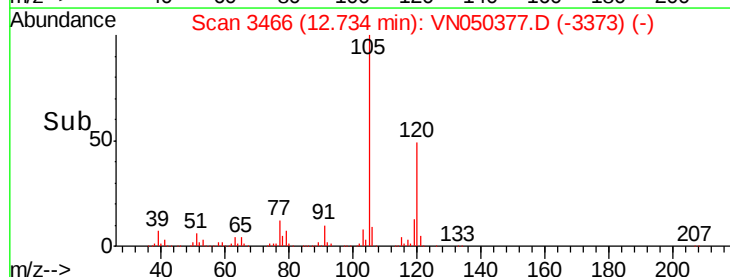
105 100

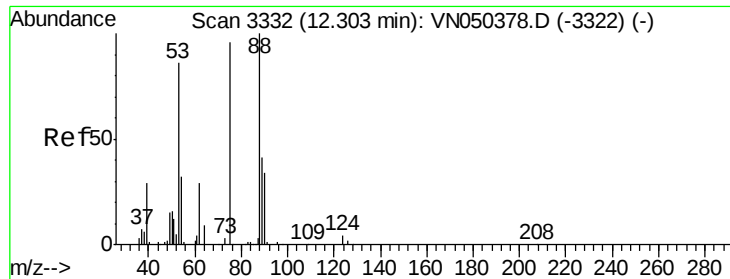
120 49.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050377.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN050377.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.196 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

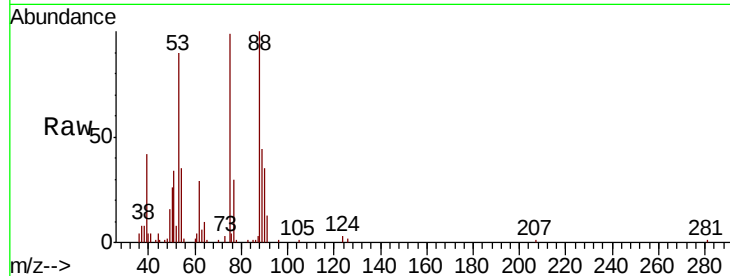
Tot Ion: 75 Resp: 46347

Ion Ratio Lower Upper

75 100

53 93.1 73.5 110.3

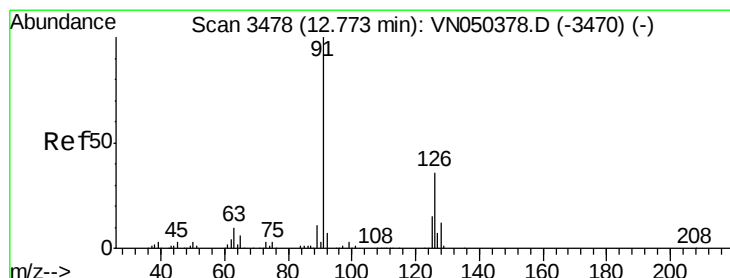
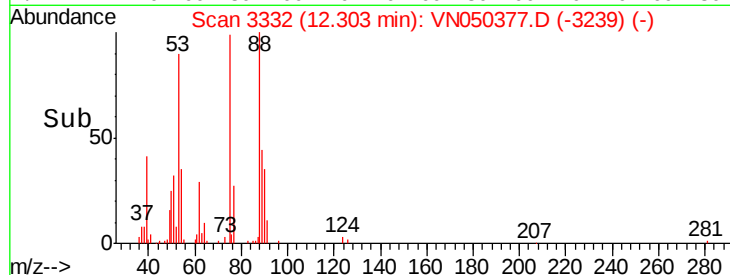
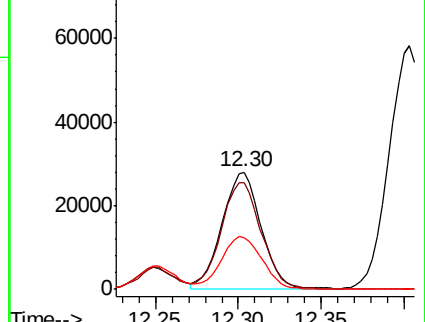
89 46.4 36.0 54.0



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: 20.967 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050377.D

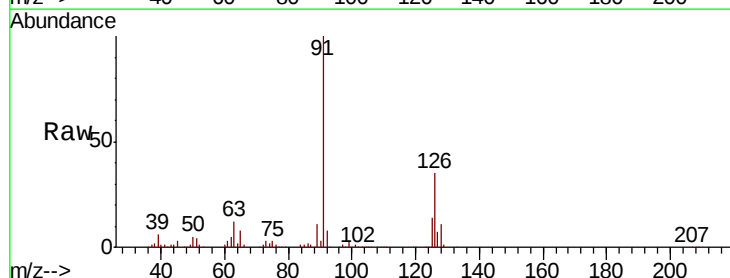
Acq: 6 Aug 2018 12:00

Tgt Ion: 91 Resp: 514233

Ion Ratio Lower Upper

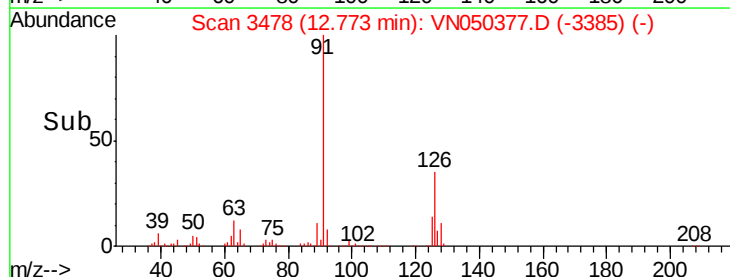
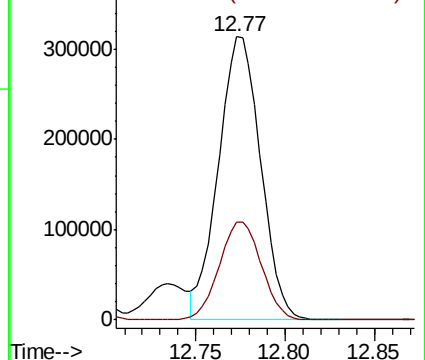
91 100

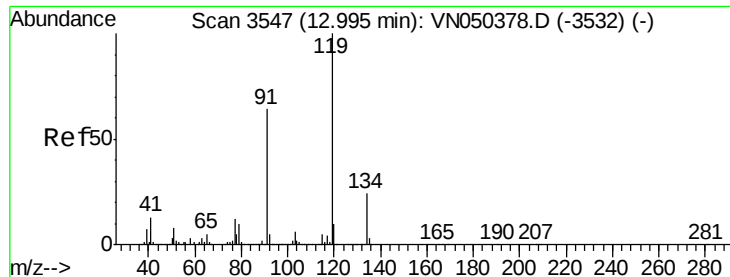
126 34.8 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.711 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

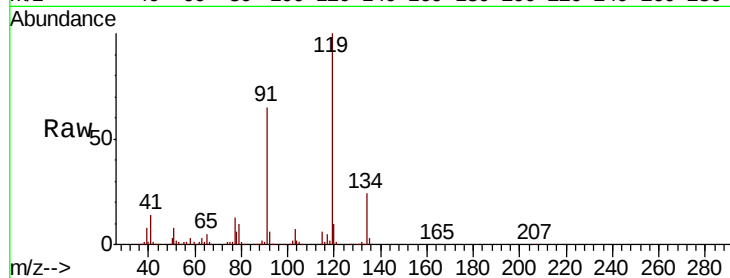
Tot Ion:119 Resp: 515963

Ion Ratio Lower Upper

119 100

91 63.7 32.1 96.3

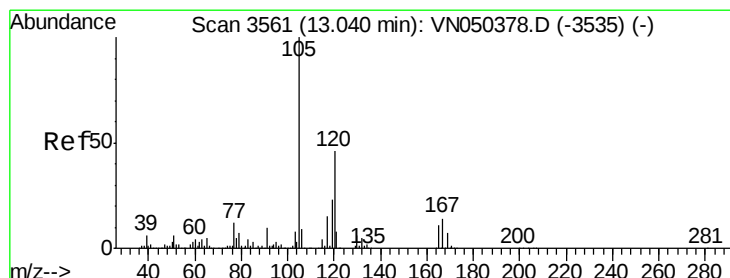
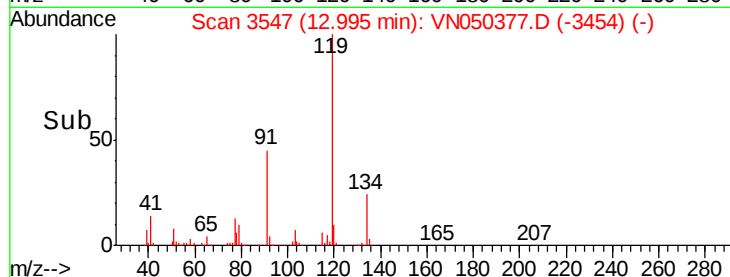
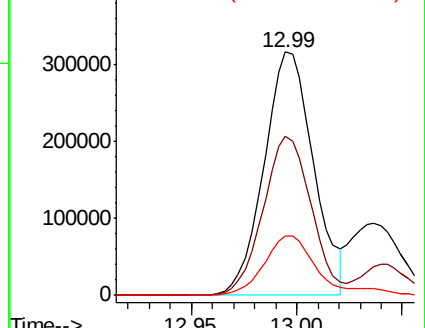
134 26.7 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.723 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050377.D

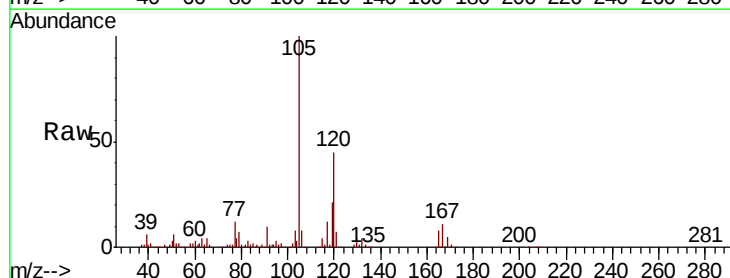
Acq: 6 Aug 2018 12:00

Tgt Ion:105 Resp: 628406

Ion Ratio Lower Upper

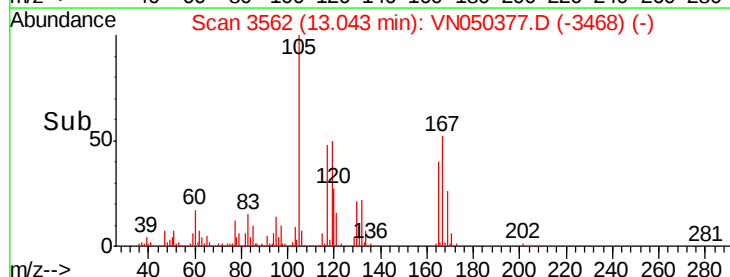
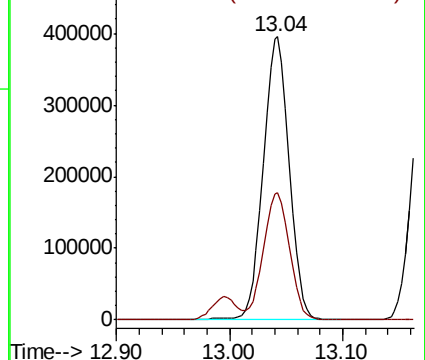
105 100

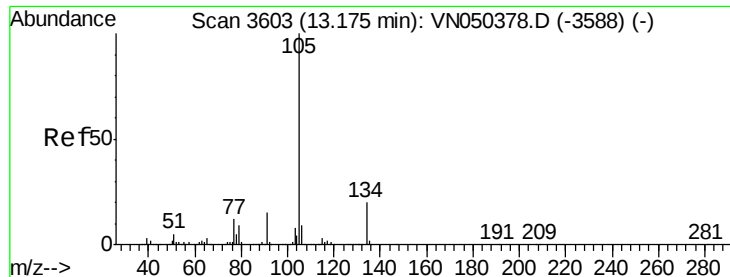
120 45.2 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.108 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

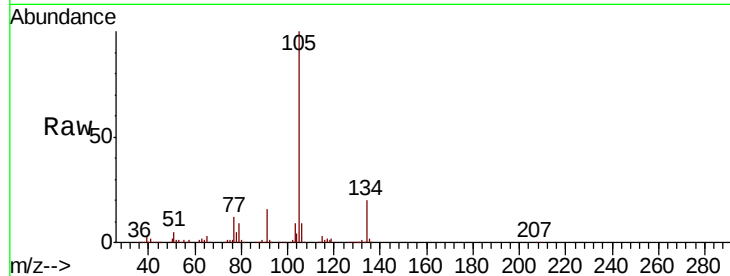
VSTDIC020

Tot Ion:105 Resp: 700883

Ion Ratio Lower Upper

105 100

134 19.6 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

400000

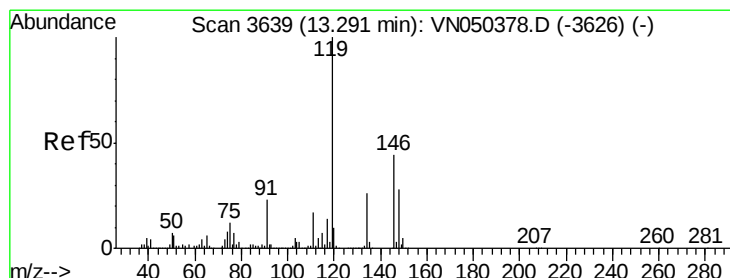
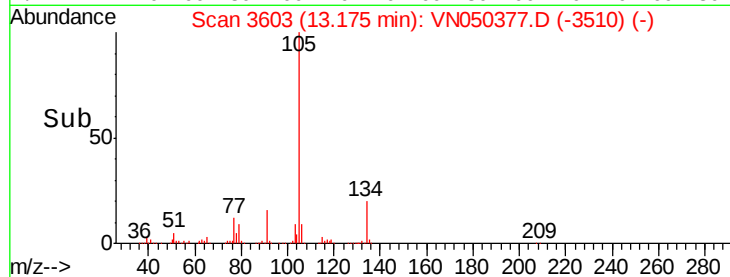
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.230 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

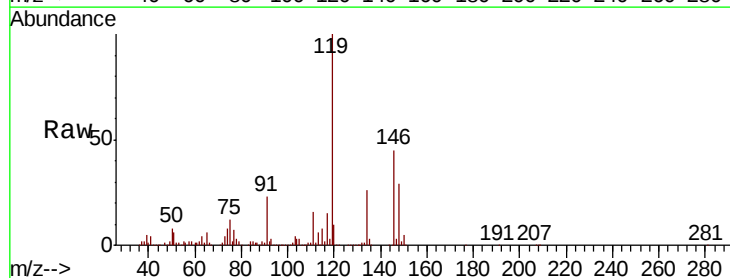
Tgt Ion:119 Resp: 604115

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 22.9 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

400000

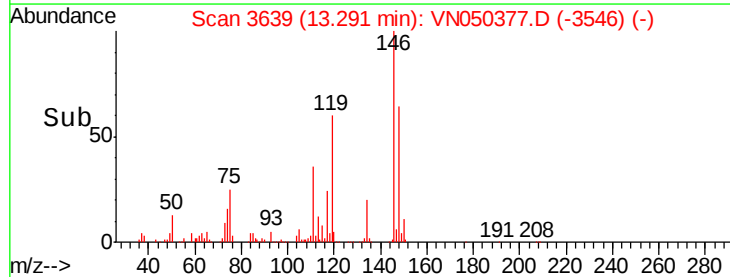
300000

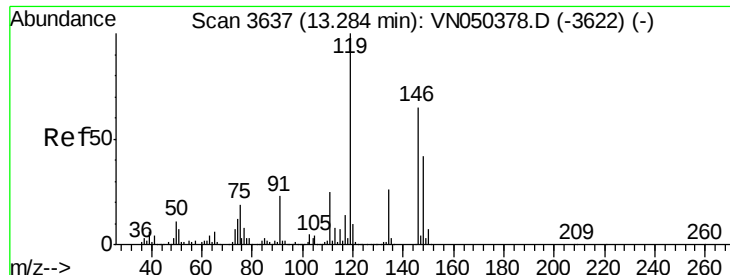
200000

100000

0

Time-->

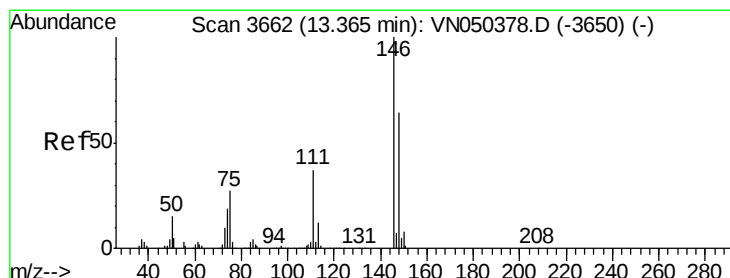
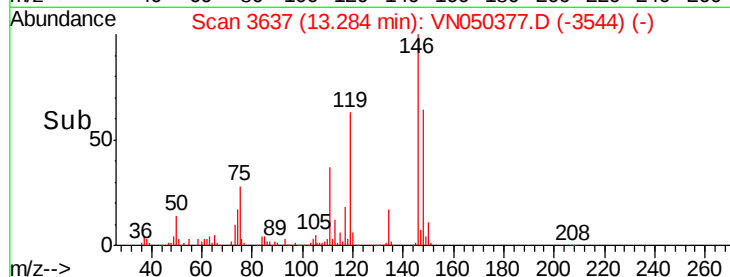
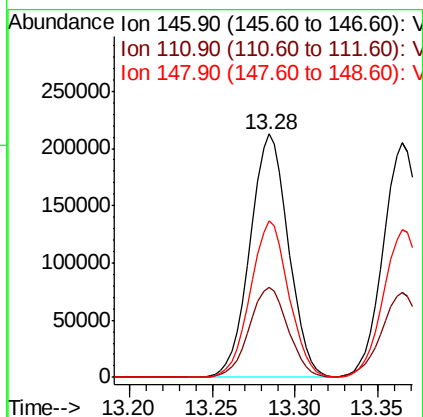
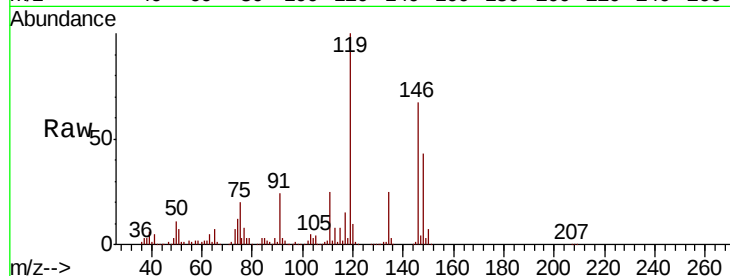




#87
 1,3-Dichlorobenzene
 Concen: 20.362 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

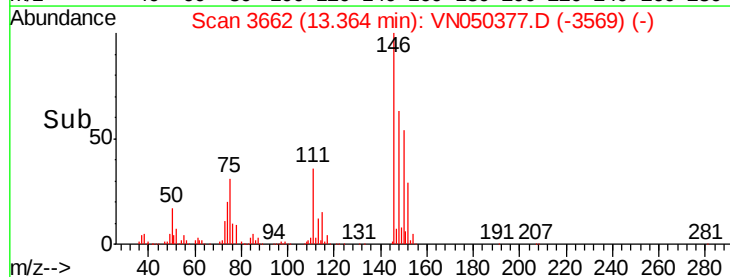
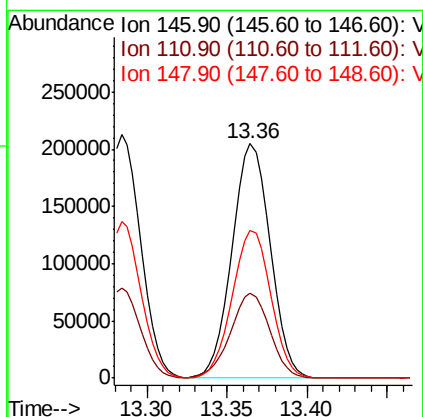
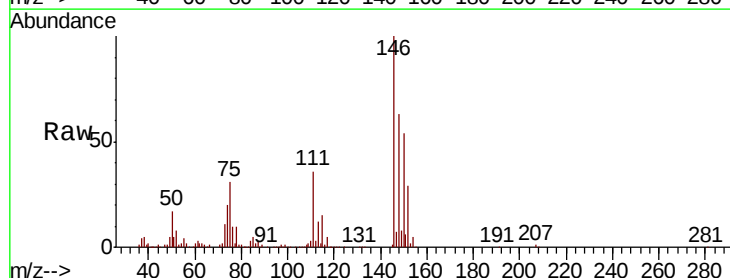
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

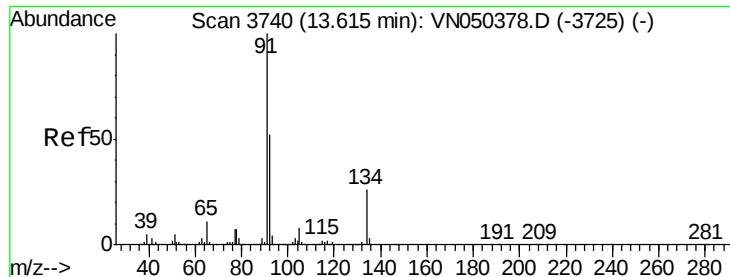
Tot Ion:146 Resp: 341798
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.8 56.4
 148 64.2 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.881 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

Tgt Ion:146 Resp: 333265
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.3 54.9
 148 63.7 31.9 95.9

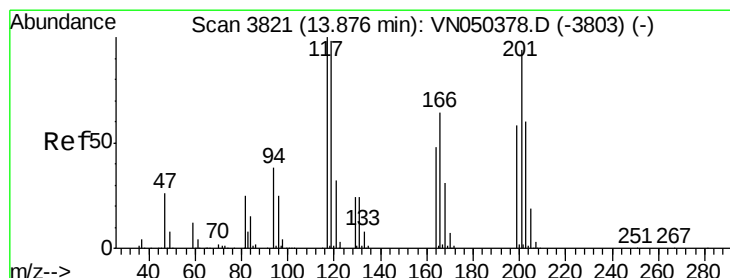
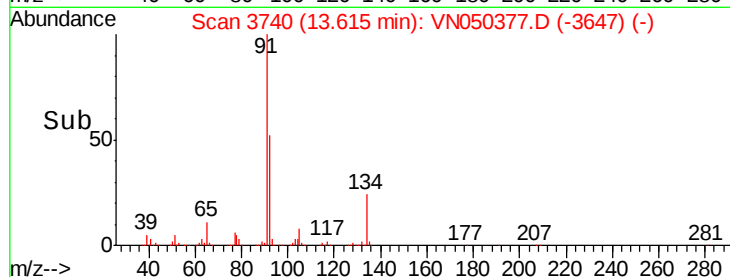
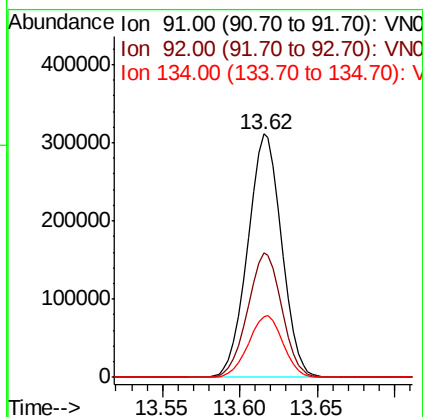
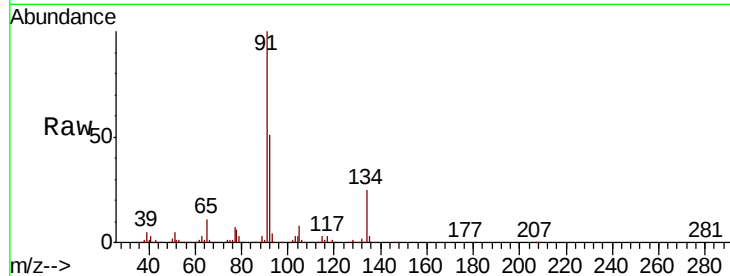




#89
n-Butylbenzene
Concen: 19.644 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

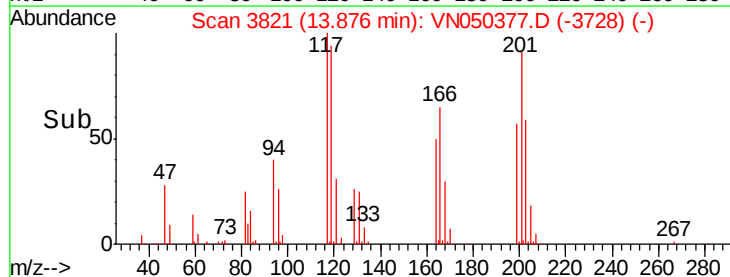
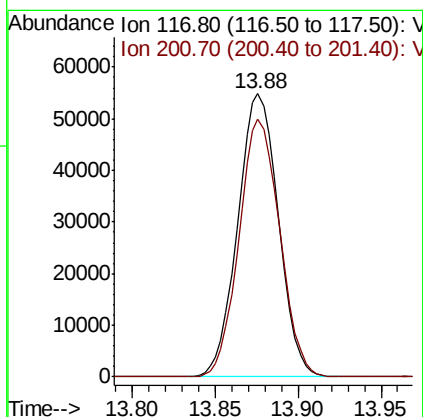
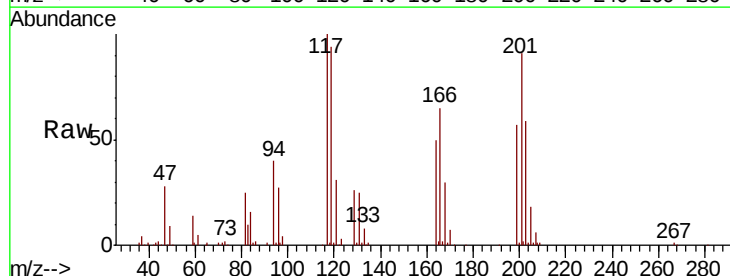
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

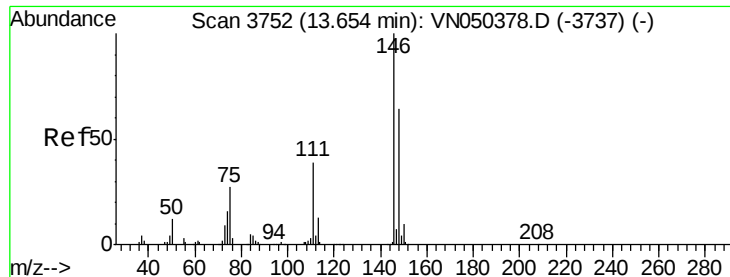
Tot Ion: 91 Resp: 475882
Ion Ratio Lower Upper
91 100
92 51.4 25.8 77.4
134 25.8 12.8 38.4



#90
Hexachloroethane
Concen: 18.447 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050377.D
Acq: 6 Aug 2018 12:00

Tgt Ion: 117 Resp: 93344
Ion Ratio Lower Upper
117 100
201 91.2 45.6 136.8

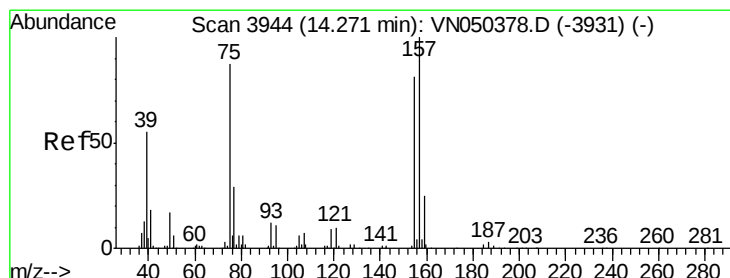
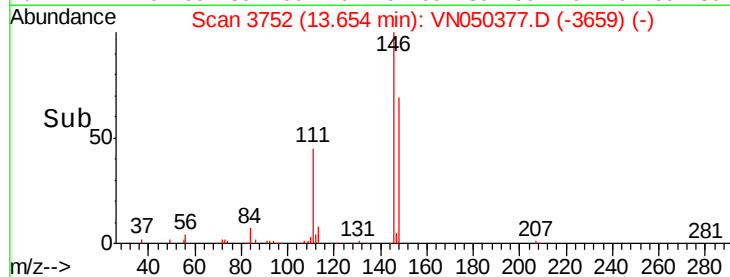
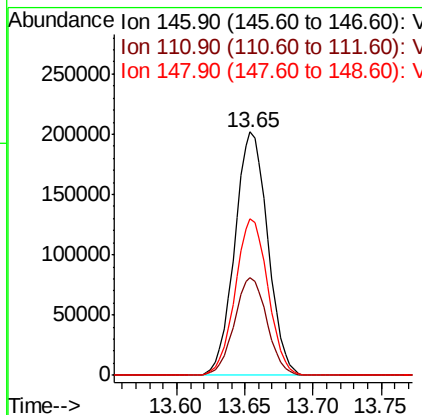
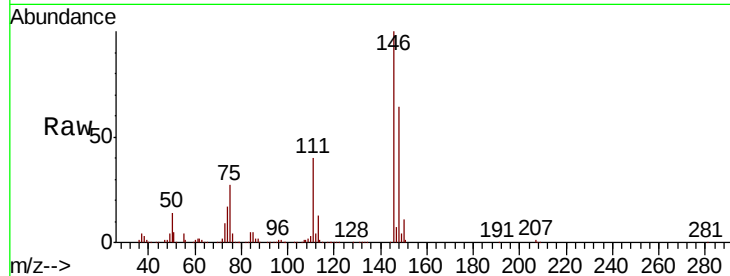




#91
 1,2-Dichlorobenzene
 Concen: 20.187 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

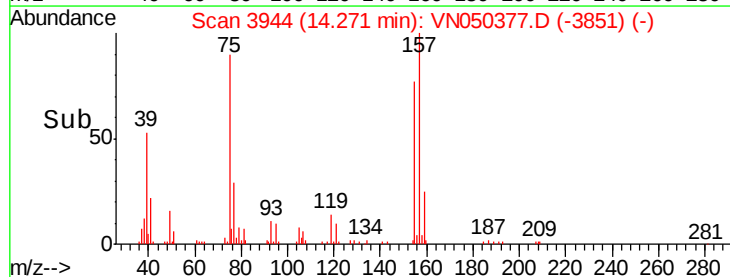
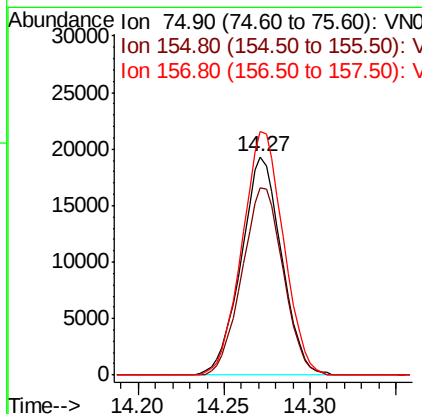
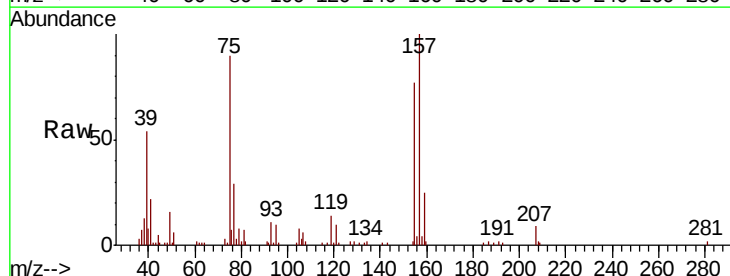
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.7
148	63.7	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.260 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	44.8	134.4
157	114.1	57.2	171.6

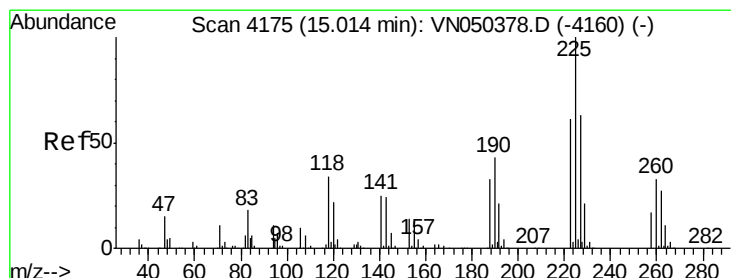
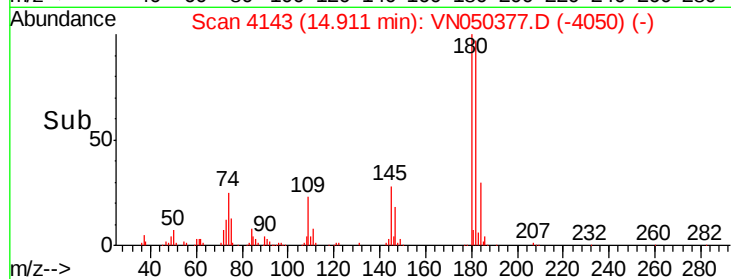
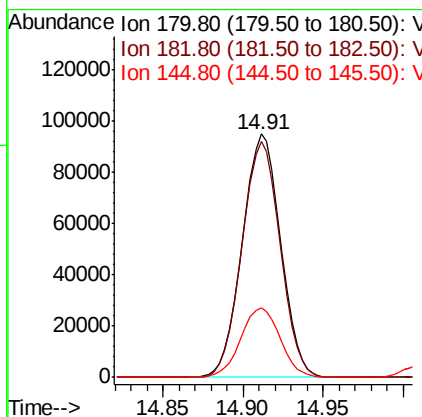
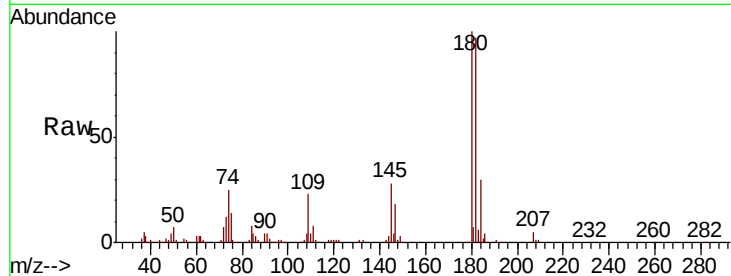




#93
 1,2,4-Trichlorobenzene
 Concen: 18.134 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

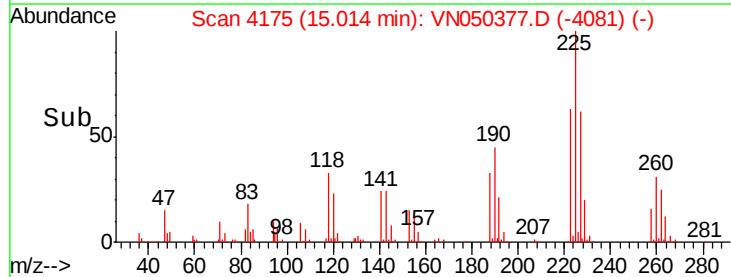
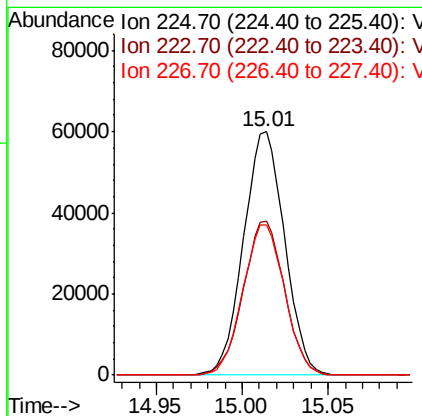
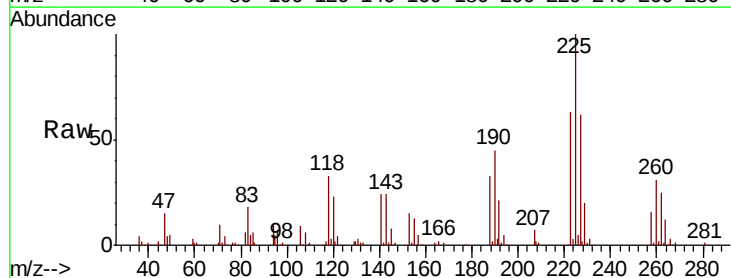
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

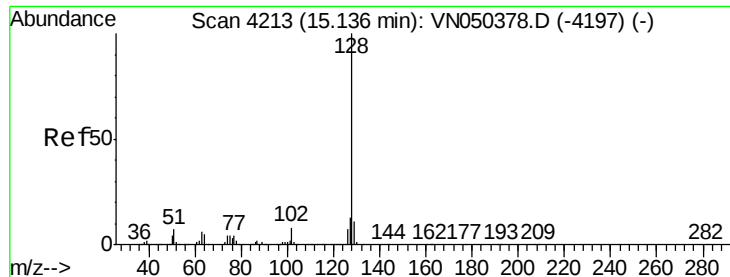
Tot Ion:180 Resp: 155420
 Ion Ratio Lower Upper
 180 100
 182 96.6 46.7 140.1
 145 29.1 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 20.266 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050377.D
 Acq: 6 Aug 2018 12:00

Tgt Ion:225 Resp: 99457
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.4 94.2
 227 62.8 32.1 96.5





#95

Naphthalene

Concen: 18.105 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

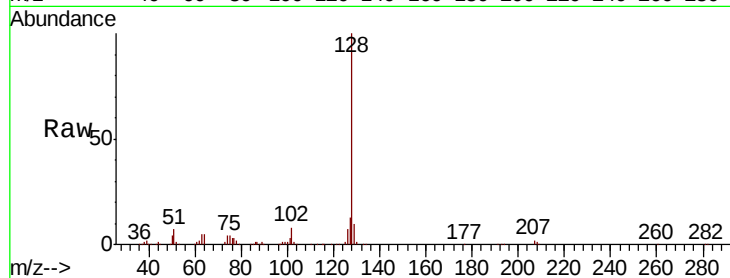
Tot Ion:128 Resp: 354348

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

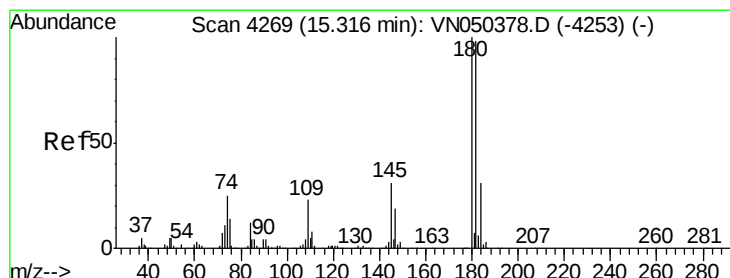
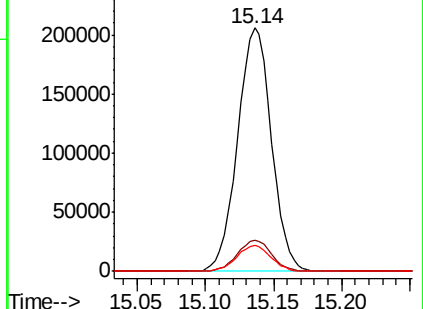
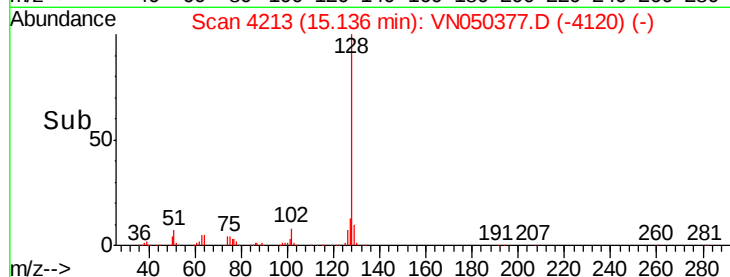
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.892 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050377.D

Acq: 6 Aug 2018 12:00

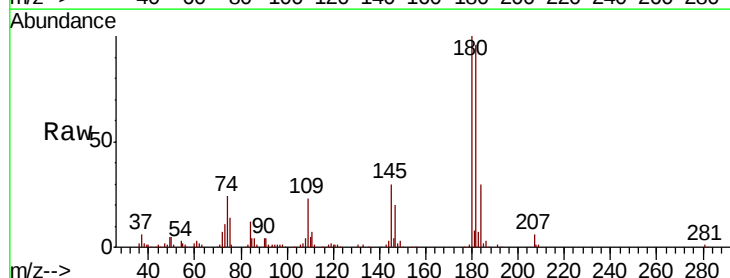
Tgt Ion:180 Resp: 155040

Ion Ratio Lower Upper

180 100

182 96.7 48.1 144.4

145 30.4 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

