

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050160.D
 Acq On : 28 Jul 2018 4:39
 Operator : MD\SY
 Sample : VN0727WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Quant Time: Jul 30 01:53:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	598947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	922297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	810062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	392126	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	430635	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
35) Dibromofluoromethane	7.59	113	387640	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
50) Toluene-d8	10.09	98	1386133	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.40	95	444923	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	176993	20.57	ug/l	100
3) Chloromethane	2.06	50	176880	18.91	ug/l	100
4) Vinyl Chloride	2.18	62	186076	18.89	ug/l	97
5) Bromomethane	2.56	94	74787	12.93	ug/l	100
6) Chloroethane	2.70	64	110220	18.63	ug/l	98
7) Trichlorofluoromethane	3.01	101	246340	19.30	ug/l	97
8) Diethyl Ether	3.41	74	83335	19.59	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	147707	19.25	ug/l	98
10) Methyl Iodide	3.95	142	98677	10.02	ug/l	99
11) Tert butyl alcohol	4.80	59	52873	85.99	ug/l #	84
12) 1,1-Dichloroethene	3.74	96	134891	19.54	ug/l	97
13) Acrolein	3.61	56	22101	44.74	ug/l	93
14) Allyl chloride	4.32	41	200208	18.70	ug/l	99
15) Acrylonitrile	5.00	53	251102	93.60	ug/l	98
16) Acetone	3.82	43	194142	95.95	ug/l	99
17) Carbon Disulfide	4.05	76	385271	18.22	ug/l	99
18) Methyl Acetate	4.33	43	171888	21.52	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	374576	20.36	ug/l	99
20) Methylene Chloride	4.55	84	157502	20.52	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	145282	19.86	ug/l	95
22) Diisopropyl ether	5.96	45	458168	21.59	ug/l	98
23) Vinyl Acetate	5.90	43	1440020	96.01	ug/l	98
24) 1,1-Dichloroethane	5.85	63	280989	20.25	ug/l	99
25) 2-Butanone	6.84	43	283268	88.87	ug/l	99
26) 2,2-Dichloropropane	6.83	77	121066	11.47	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	161033	20.45	ug/l	95
28) Bromochloromethane	7.20	49	130332	20.59	ug/l	100
29) Tetrahydrofuran	7.22	42	189610	92.06	ug/l	99
30) Chloroform	7.37	83	284563	20.09	ug/l	97
31) Cyclohexane	7.66	56	226274	19.62	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	237325	19.59	ug/l	99
36) 1,1-Dichloropropene	7.80	75	201969	19.44	ug/l	98
37) Ethyl Acetate	6.94	43	128463	17.73	ug/l	98
38) Carbon Tetrachloride	7.78	117	211054	19.14	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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Quant Time: Jul 30 01:53:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	197222	18.45	ug/l	99
40) Benzene	8.04	78	623110	19.71	ug/l	98
41) Methacrylonitrile	7.18	41	72953	21.02	ug/l #	77
42) 1,2-Dichloroethane	8.13	62	203981	19.34	ug/l	99
43) Isopropyl Acetate	8.17	43	277301	19.62	ug/l	94
44) Trichloroethene	8.84	130	161399	19.00	ug/l	98
45) 1,2-Dichloropropane	9.12	63	166979	19.94	ug/l	99
46) Dibromomethane	9.21	93	99066	19.05	ug/l	98
47) Bromodichloromethane	9.40	83	211571	19.28	ug/l	98
48) Methyl methacrylate	9.20	41	115557	18.52	ug/l	99
49) 1,4-Dioxane	9.20	88	29475	347.13	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	658542	92.47	ug/l	99
52) Toluene	10.16	92	374485	20.06	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	184801	17.84	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	219339	18.53	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	143990	19.45	ug/l	99
56) Ethyl methacrylate	10.43	69	167745	18.08	ug/l	98
57) 1,3-Dichloropropane	10.71	76	234917	19.49	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	378465	86.55	ug/l	100
59) 2-Hexanone	10.75	43	419239	83.63	ug/l	99
60) Dibromochloromethane	10.90	129	156869	19.14	ug/l	99
61) 1,2-Dibromoethane	11.01	107	137022	18.65	ug/l	100
64) Tetrachloroethene	10.63	164	156293	20.07	ug/l	97
65) Chlorobenzene	11.44	112	399082	19.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	153072	19.47	ug/l	98
67) Ethyl Benzene	11.51	91	659640	20.07	ug/l	99
68) m/p-Xylenes	11.63	106	509400	40.97	ug/l	99
69) o-Xylene	11.95	106	244893	20.66	ug/l	100
70) Styrene	11.97	104	387553	18.97	ug/l	99
71) Bromoform	12.13	173	104793	18.32	ug/l #	98
73) Isopropylbenzene	12.25	105	650206	21.38	ug/l	100
74) N-amyl acetate	12.07	43	171679	18.47	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	175187	20.53	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	203013	27.86	ug/l #	100
77) Bromobenzene	12.53	156	169615	20.12	ug/l	100
78) n-propylbenzene	12.59	91	724070	21.30	ug/l	99
79) 2-Chlorotoluene	12.68	91	452522	21.48	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	533708	22.31	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35284	15.36	ug/l	92
82) 4-Chlorotoluene	12.78	91	437404	20.96	ug/l	98
83) tert-Butylbenzene	12.99	119	449934	21.55	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	538971	22.35	ug/l	100
85) sec-Butylbenzene	13.17	105	596283	21.38	ug/l	100
86) p-Isopropyltoluene	13.29	119	505228	21.50	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	284580	19.92	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	278066	19.97	ug/l	98
89) n-Butylbenzene	13.62	91	386187	19.98	ug/l	99
90) Hexachloroethane	13.88	117	100265	19.21	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	290989	20.37	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25292	18.15	ug/l	98

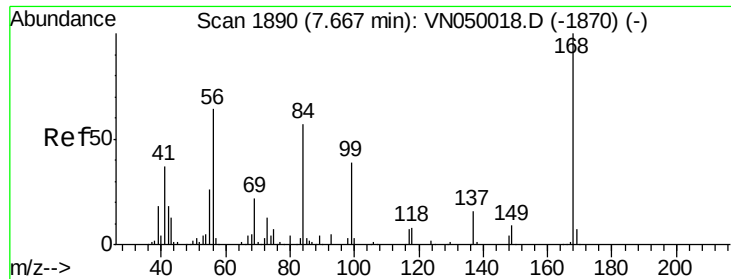
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
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Quant Time: Jul 30 01:53:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	117282	17.61	ug/l	95
94) Hexachlorobutadiene	15.01	225	83366	19.07	ug/l	99
95) Naphthalene	15.14	128	253752	17.33	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	124641	18.35	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

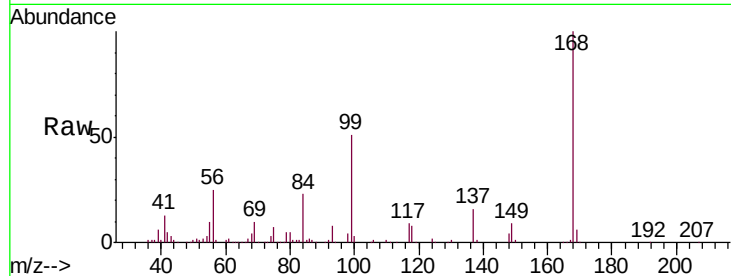
VN0727WBSD03

Tot Ion:168 Resp: 598947

Ion Ratio Lower Upper

168 100

99 51.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

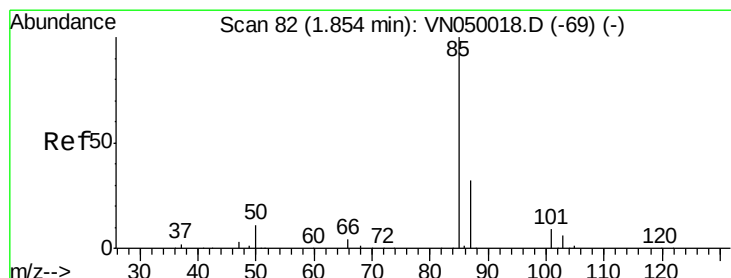
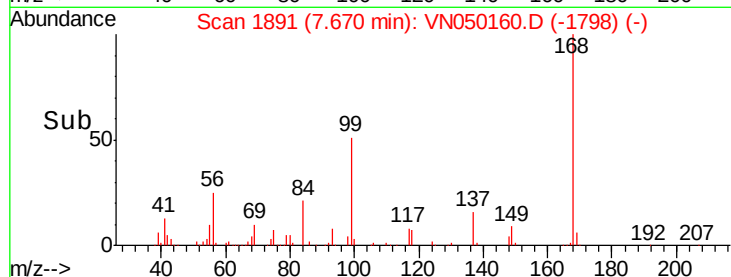
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.57 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050160.D

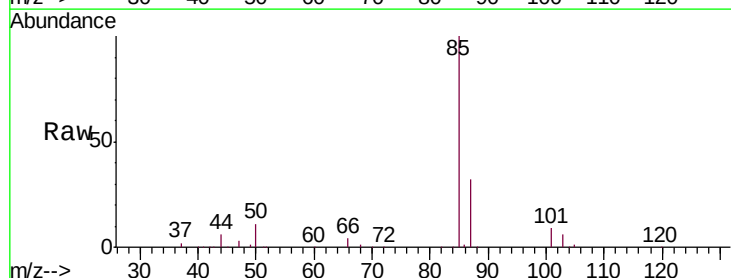
Acq: 28 Jul 2018 4:39

Tgt Ion: 85 Resp: 176993

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

150000

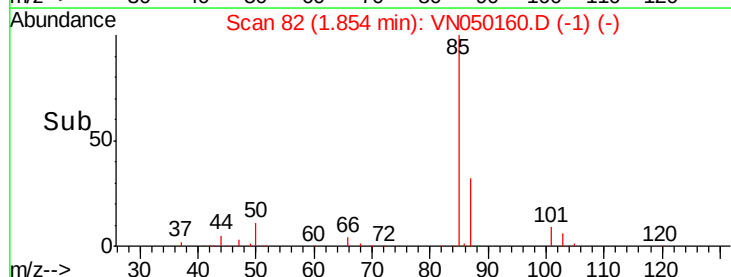
100000

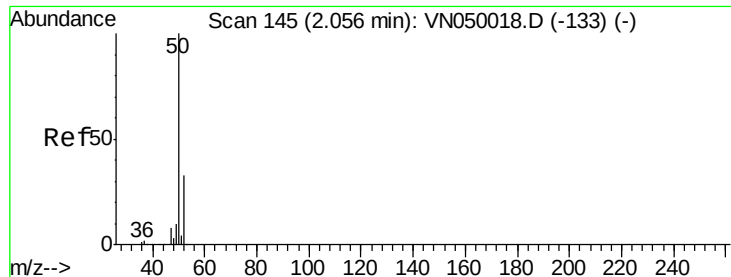
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.91 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

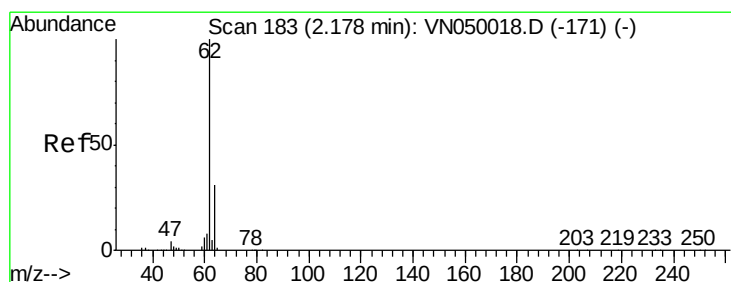
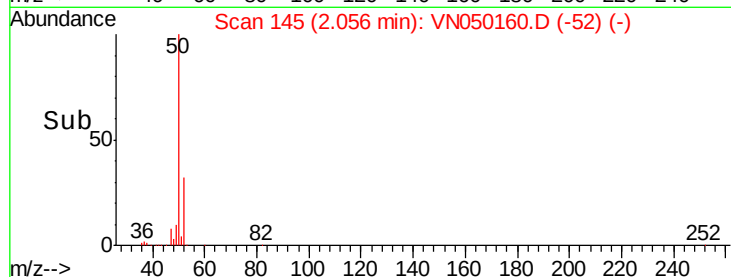
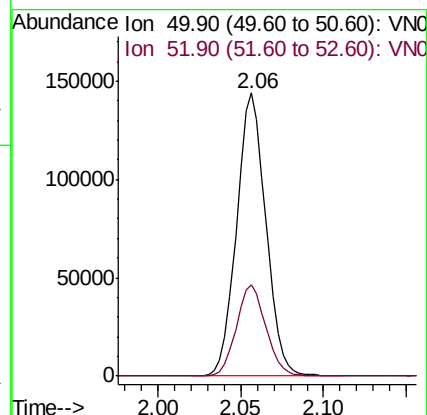
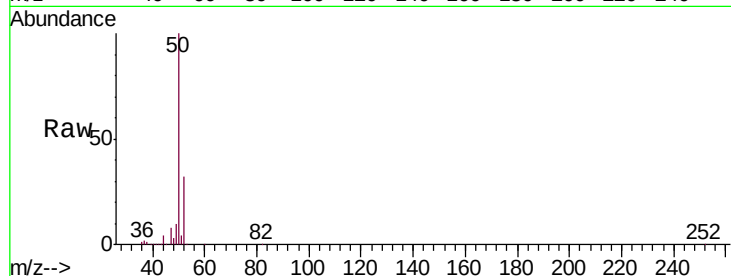
VN0727WBSD03

Tot Ion: 50 Resp: 176880

Ion Ratio Lower Upper

50 100

52 32.3 25.9 38.9



#4

Vinyl Chloride

Concen: 18.89 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050160.D

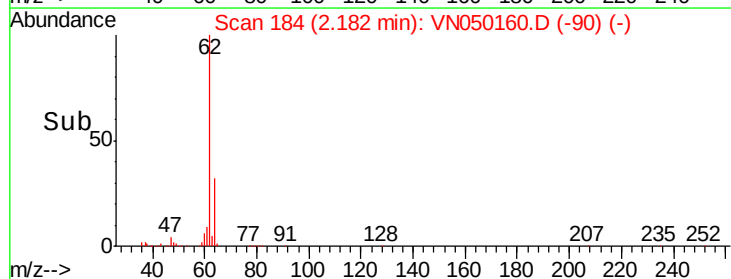
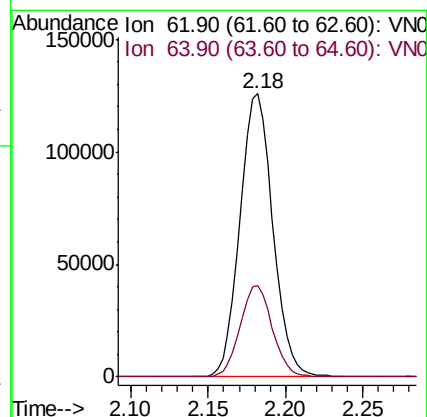
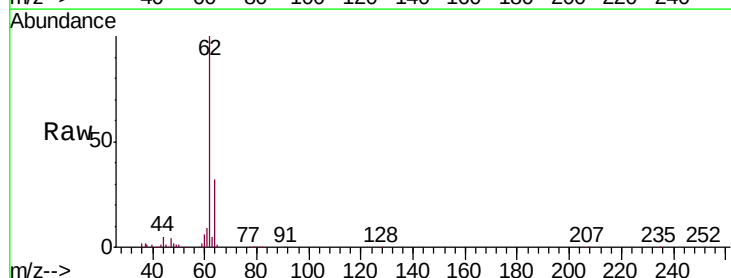
Acq: 28 Jul 2018 4:39

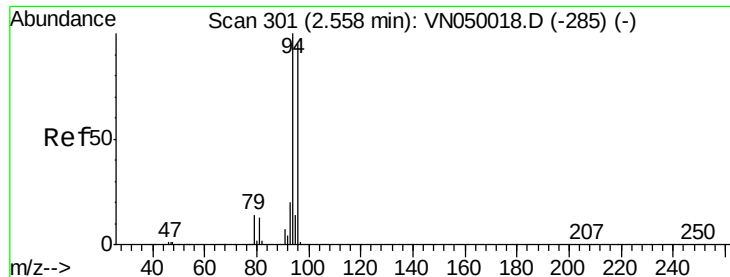
Tgt Ion: 62 Resp: 186076

Ion Ratio Lower Upper

62 100

64 32.4 24.7 37.1





#5

Bromomethane

Concen: 12.93 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

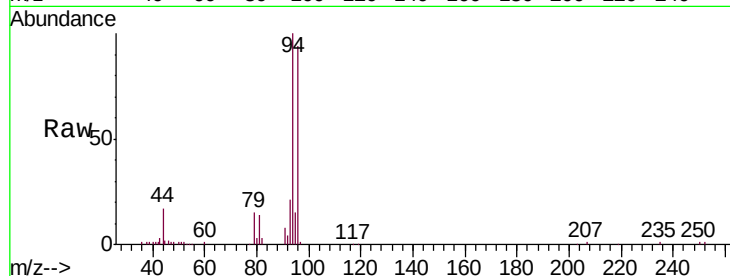
VN0727WBSD03

Tot Ion: 94 Resp: 74787

Ion Ratio Lower Upper

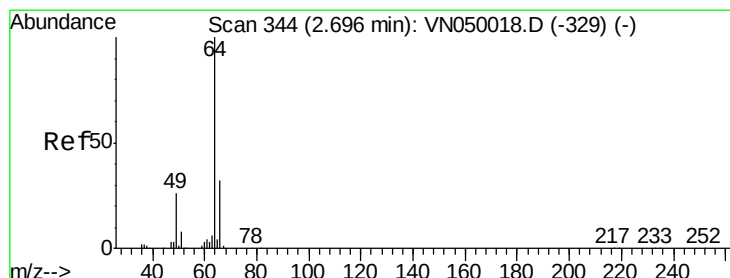
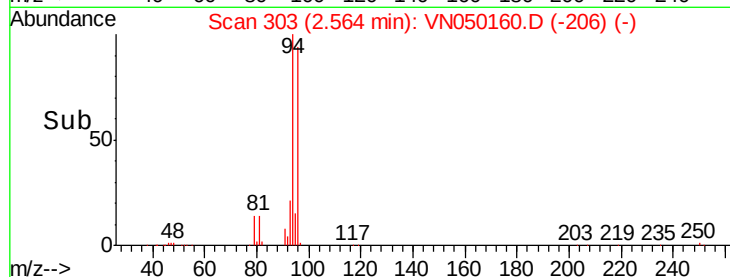
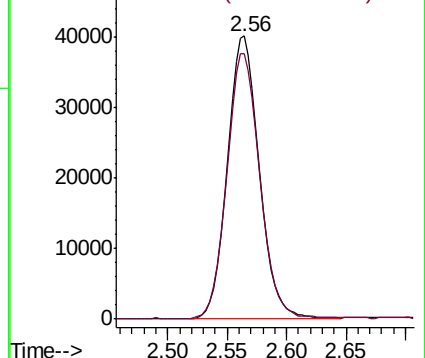
94 100

96 93.3 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: 18.63 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050160.D

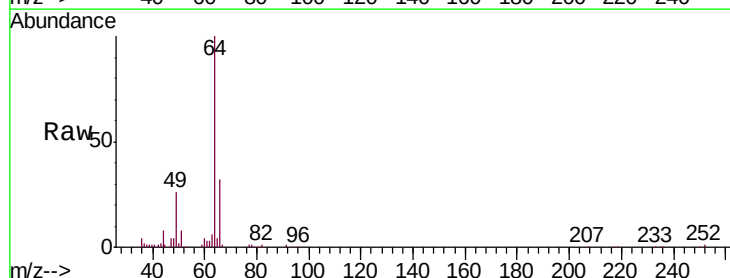
Acq: 28 Jul 2018 4:39

Tgt Ion: 64 Resp: 110220

Ion Ratio Lower Upper

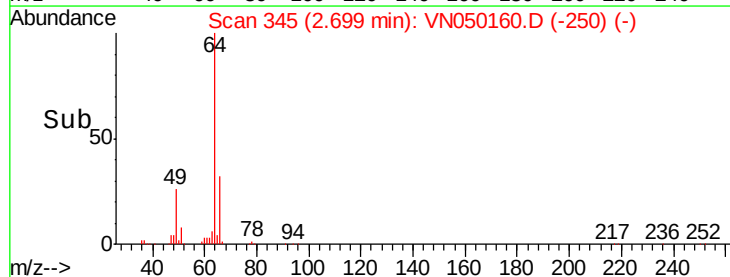
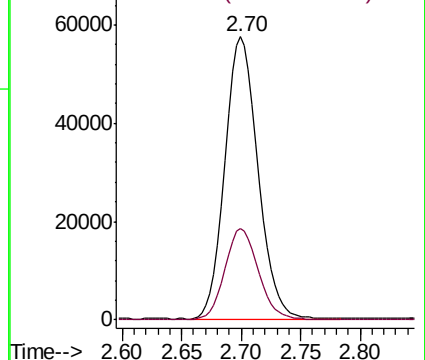
64 100

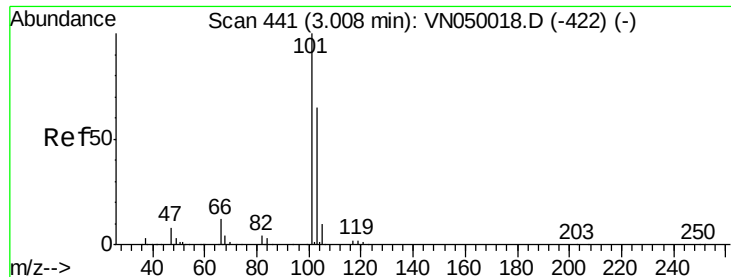
66 32.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.30 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

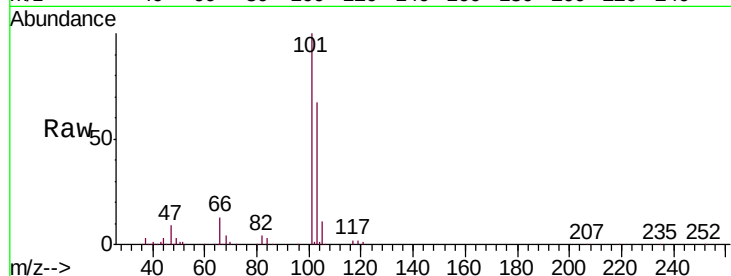
VN0727WBSD03

Tot Ion:101 Resp: 246340

Ion Ratio Lower Upper

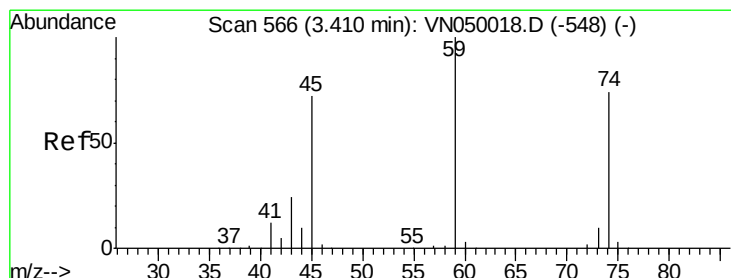
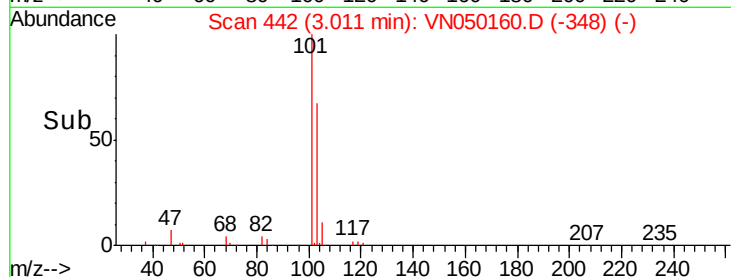
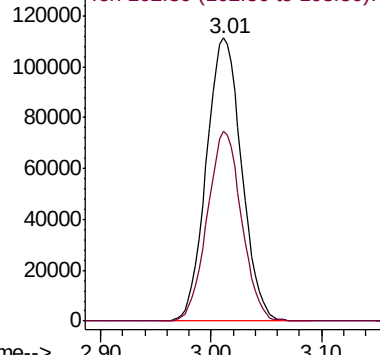
101 100

103 66.9 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.59 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050160.D

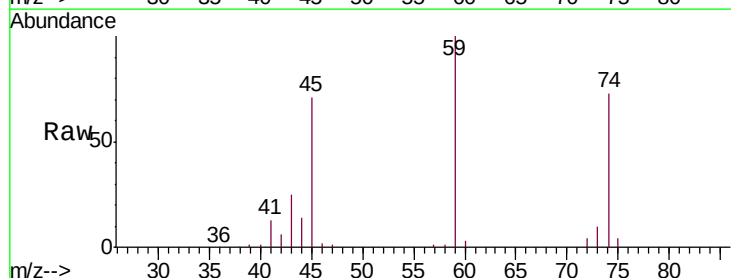
Acq: 28 Jul 2018 4:39

Tgt Ion: 74 Resp: 83335

Ion Ratio Lower Upper

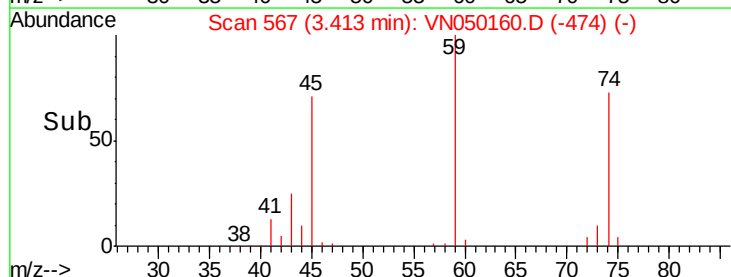
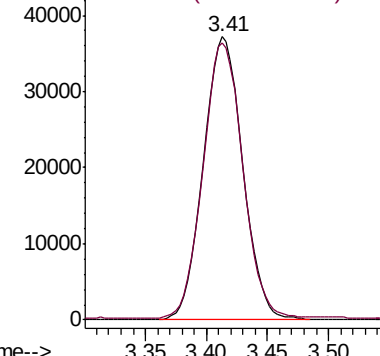
74 100

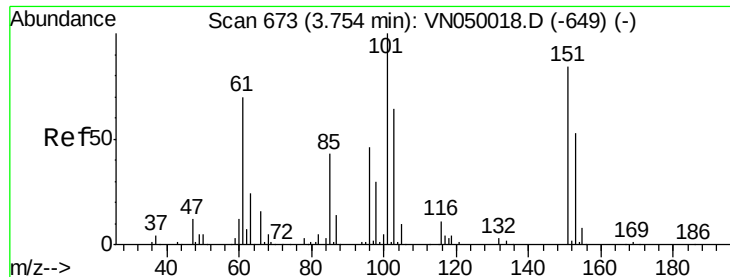
45 98.5 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.25 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

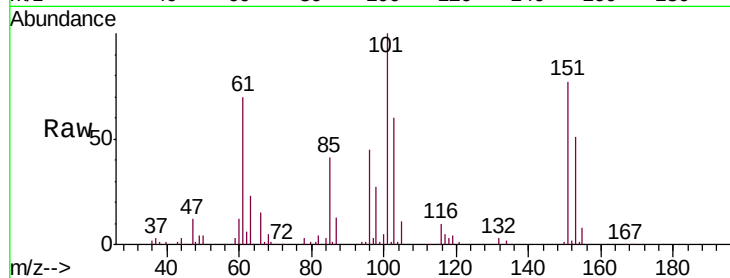
Tot Ion:101 Resp: 147707

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

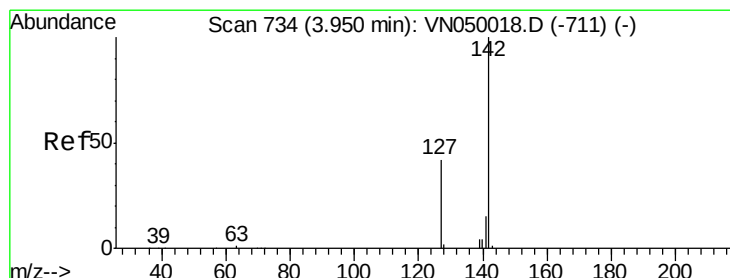
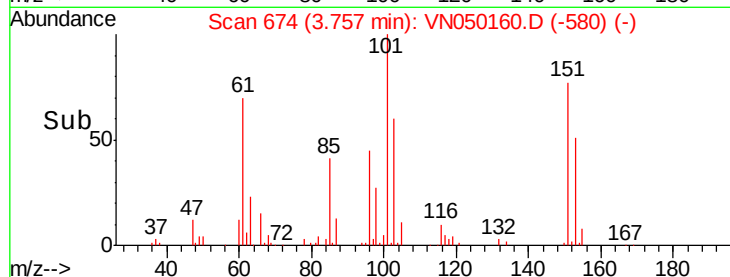
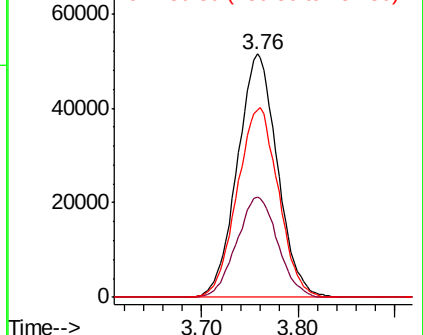
151 80.4 66.3 99.5



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: 10.02 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

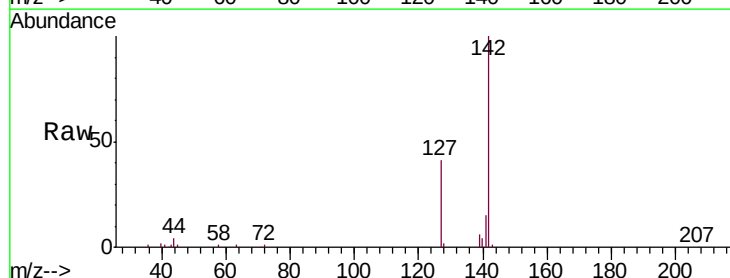
Tgt Ion:142 Resp: 98677

Ion Ratio Lower Upper

142 100

127 41.2 33.4 50.2

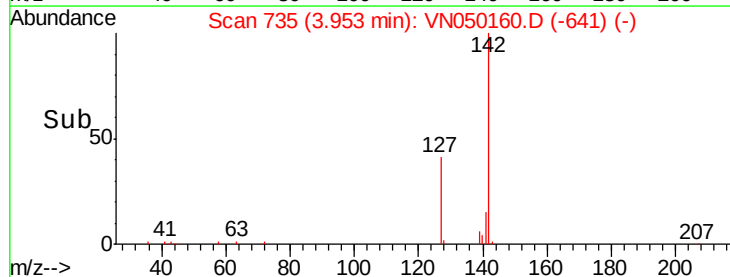
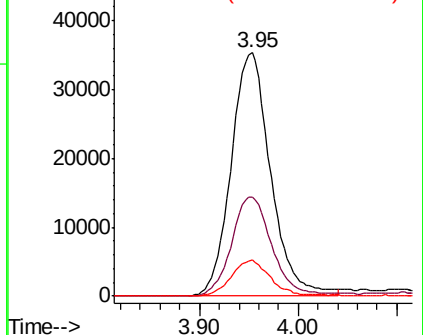
141 14.3 11.6 17.4

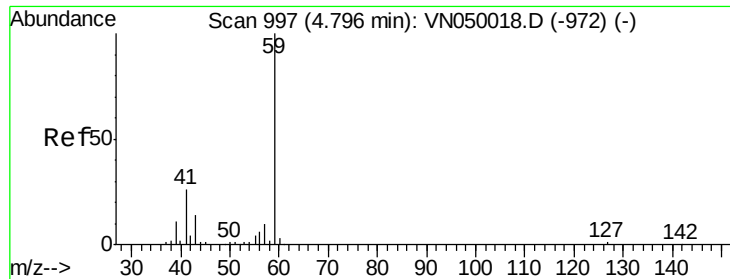


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

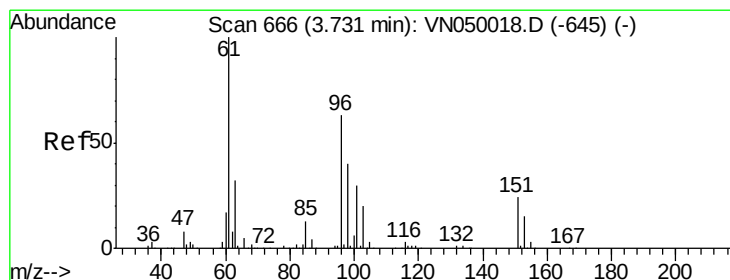
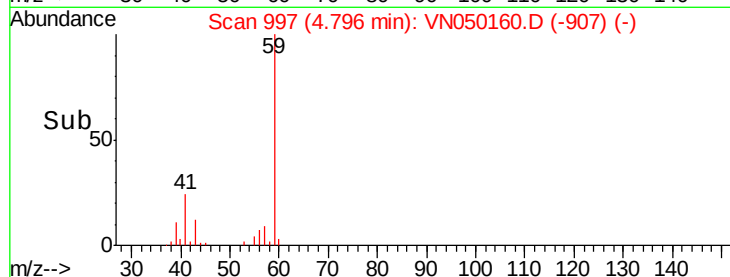
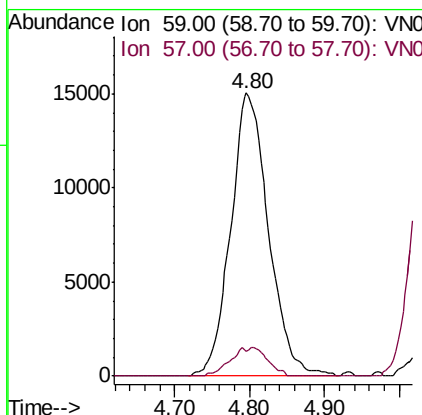
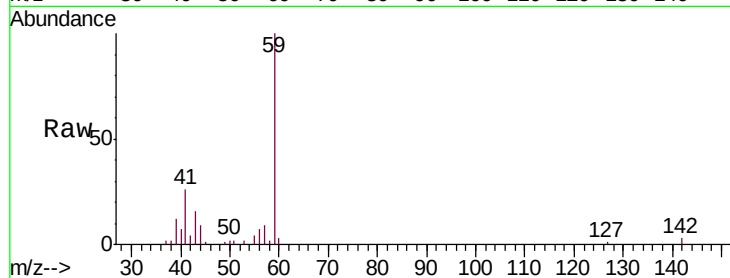




#11
Tert butyl alcohol
Concen: 85.99 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.01 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

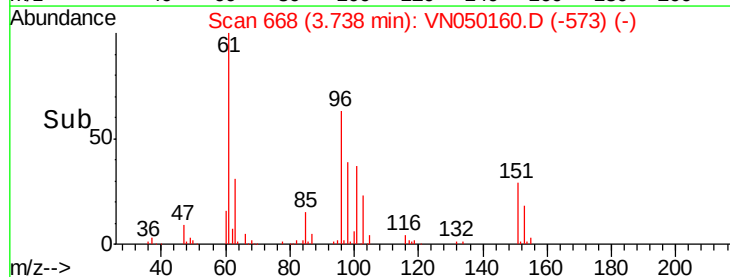
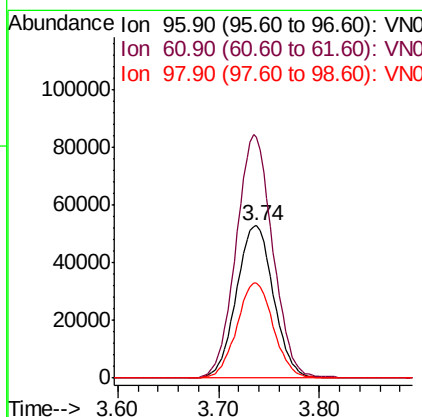
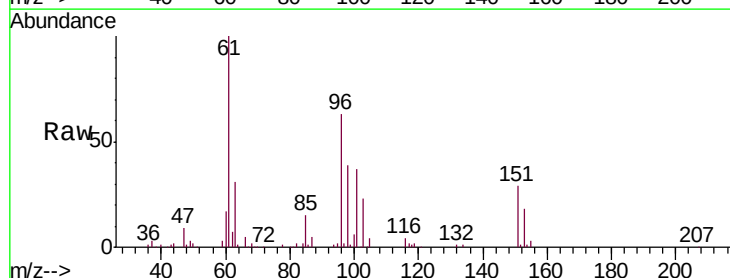
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

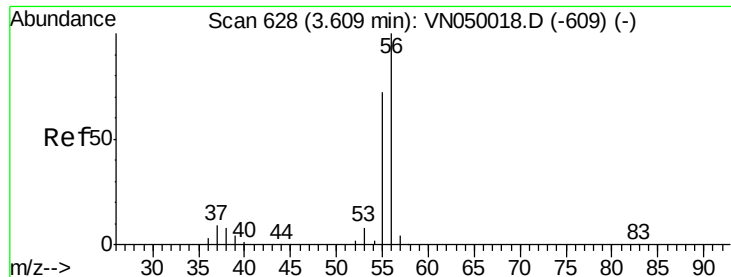
Tot Ion: 59 Resp: 52873
Ion Ratio Lower Upper
59 100
57 4.7 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 19.54 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.01 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion: 96 Resp: 134891
Ion Ratio Lower Upper
96 100
61 158.9 124.4 186.6
98 62.3 48.3 72.5





#13

Acrolein

Concen: 44.74 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

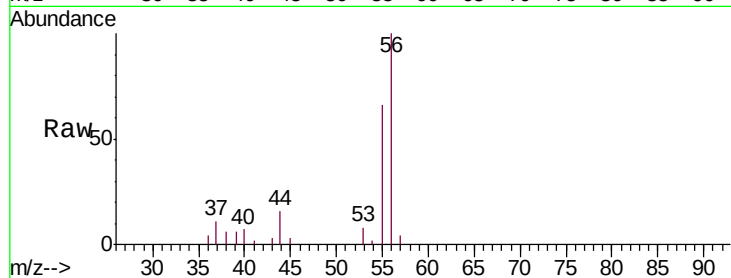
VN0727WBSD03

Tot Ion: 56 Resp: 22101

Ion Ratio Lower Upper

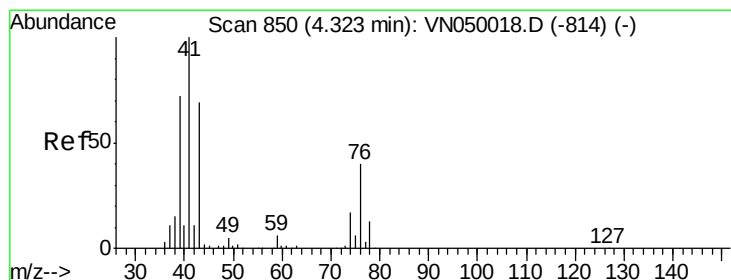
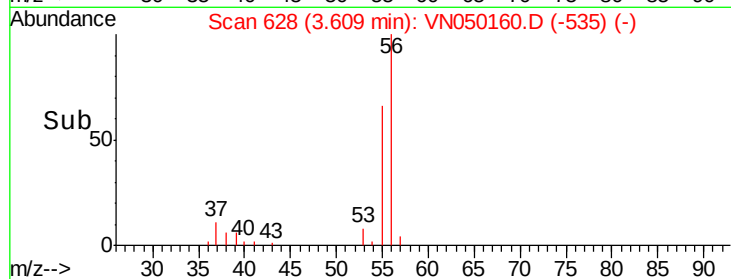
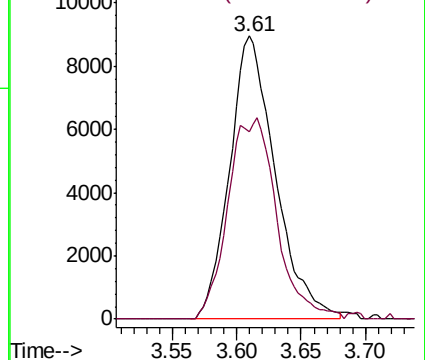
56 100

55 75.6 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.70 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

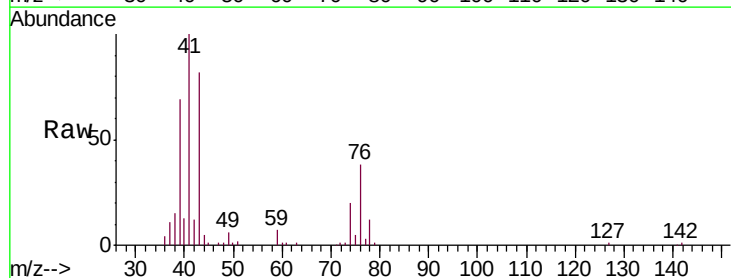
Tgt Ion: 41 Resp: 200208

Ion Ratio Lower Upper

41 100

39 67.2 54.2 81.4

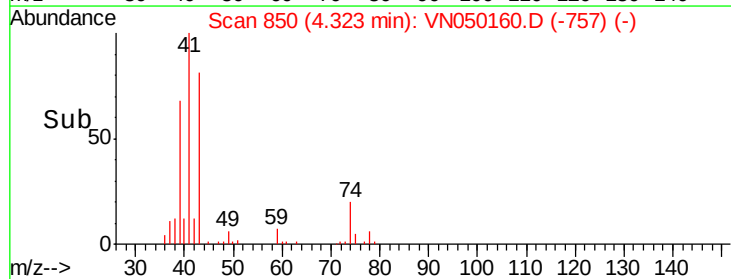
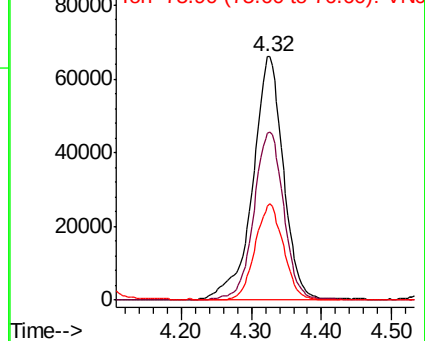
76 35.9 29.0 43.6

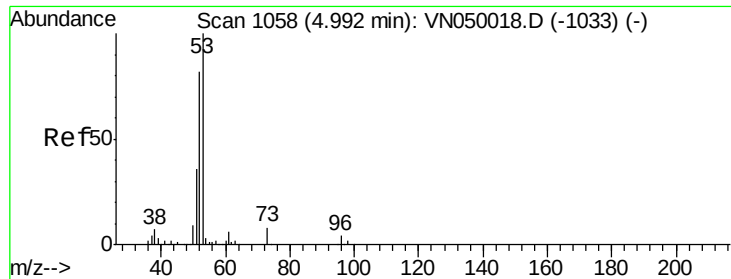


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

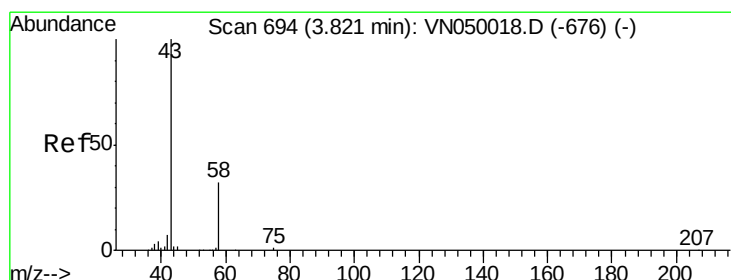
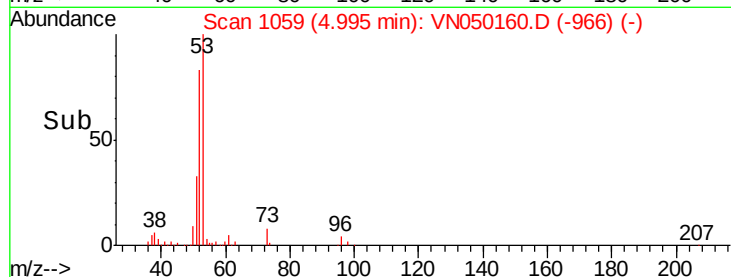
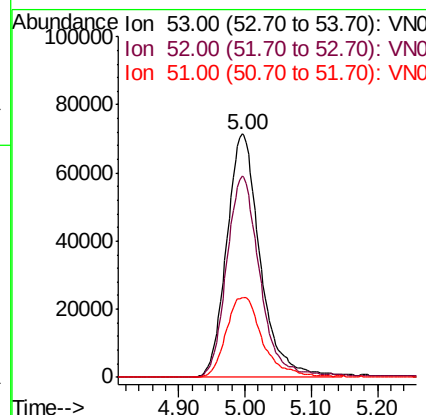
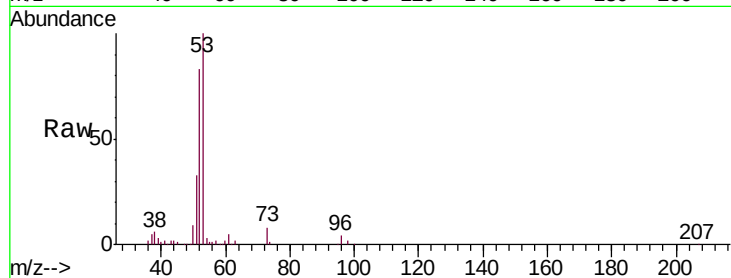




#15
 Acrylonitrile
 Concen: 93.60 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

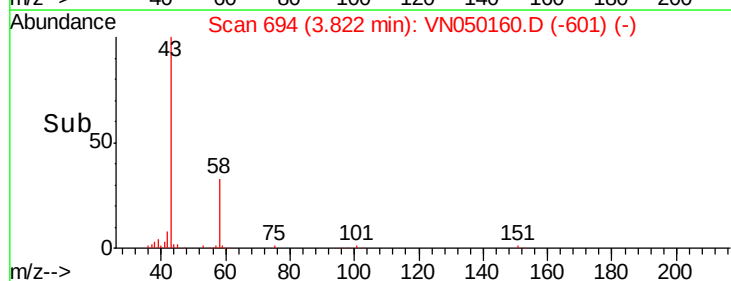
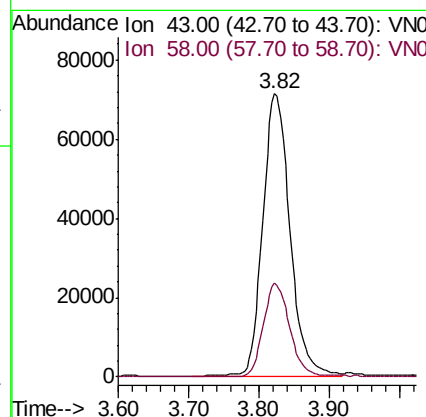
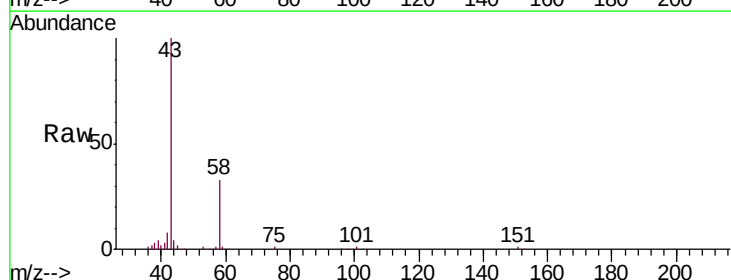
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

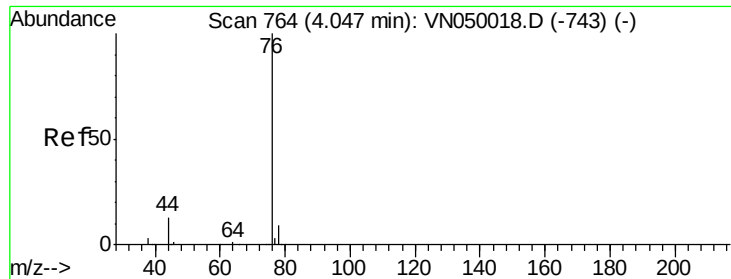
Tot Ion: 53 Resp: 251102
 Ion Ratio Lower Upper
 53 100
 52 81.4 66.2 99.2
 51 35.3 29.3 43.9



#16
 Acetone
 Concen: 95.95 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion: 43 Resp: 194142
 Ion Ratio Lower Upper
 43 100
 58 33.0 25.8 38.8

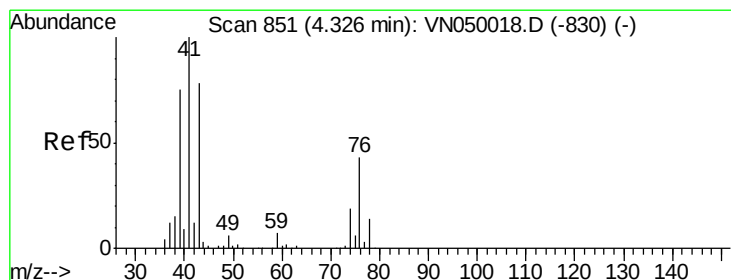
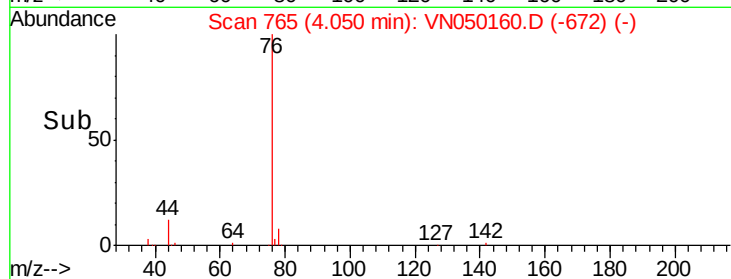
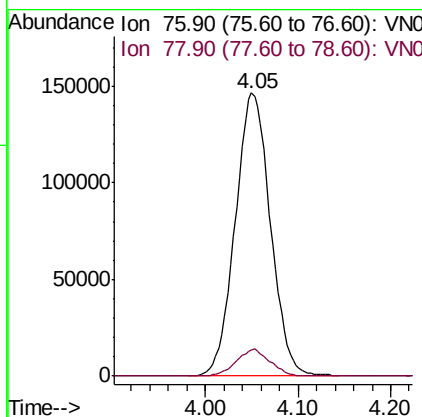
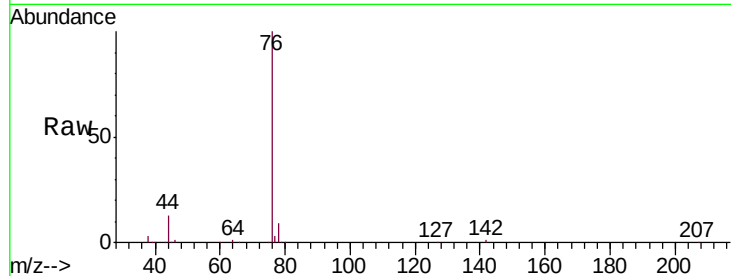




#17
Carbon Disulfide
Concen: 18.22 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

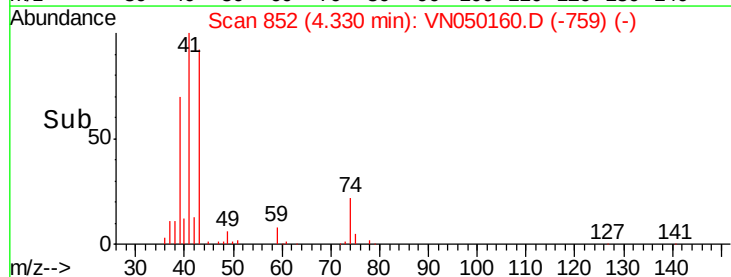
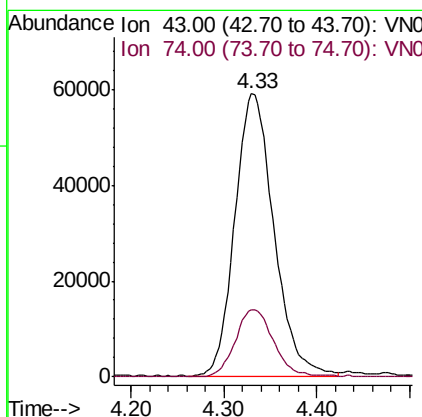
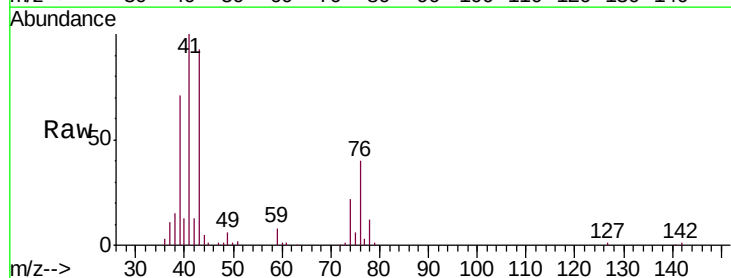
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

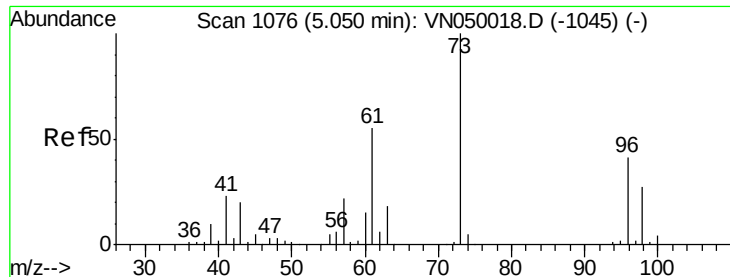
Tot Ion: 76 Resp: 385271
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 21.52 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion: 43 Resp: 171888
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8

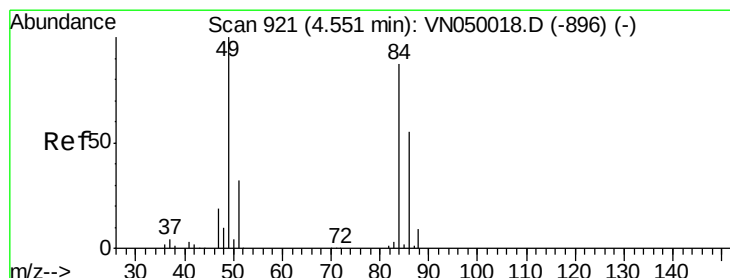
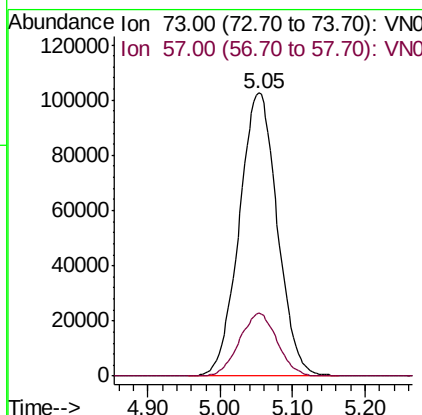
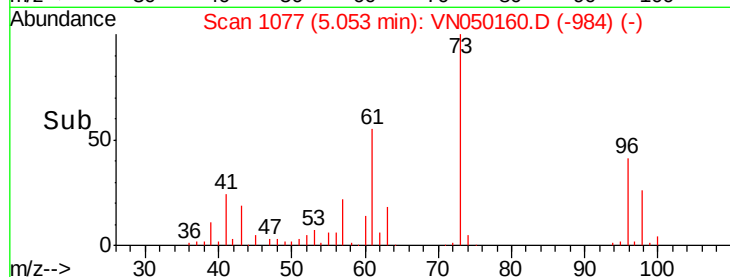
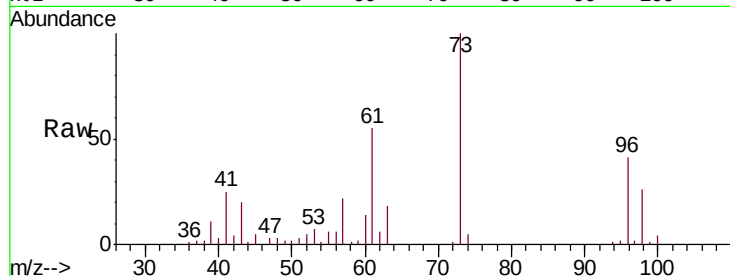




#19
Methvl tert-butyl Ether
Concen: 20.36 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

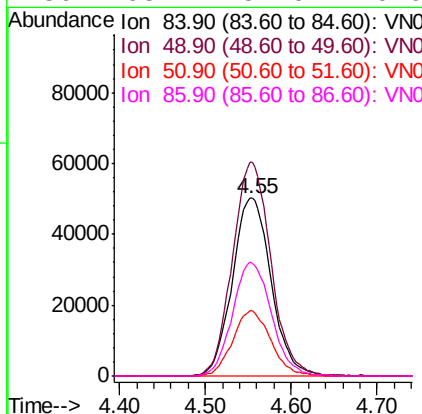
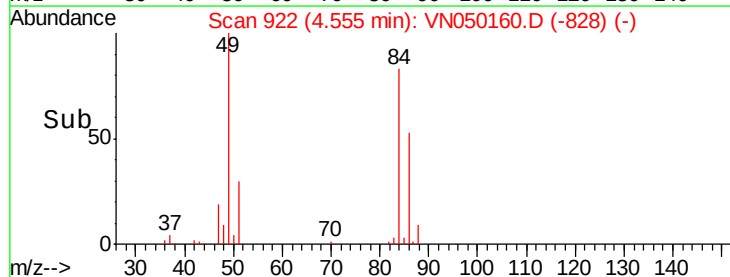
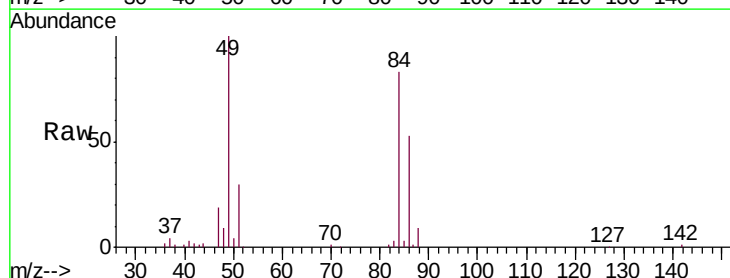
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

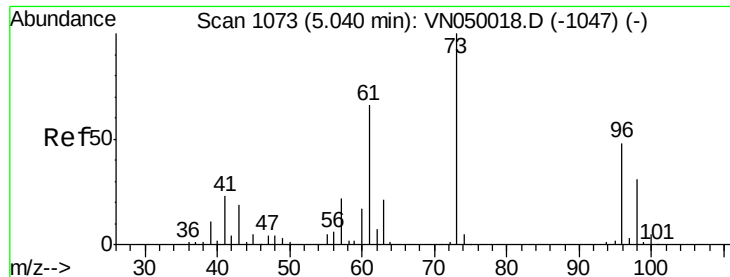
Tot Ion: 73 Resp: 374576
Ion Ratio Lower Upper
73 100
57 22.2 18.0 27.0



#20
Methylene Chloride
Concen: 20.52 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion: 84 Resp: 157502
Ion Ratio Lower Upper
84 100
49 120.3 94.8 142.2
51 36.6 28.3 42.5
86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.86 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

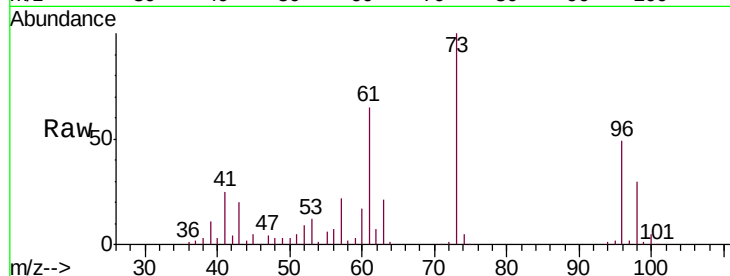
Tot Ion: 96 Resp: 145282

Ion Ratio Lower Upper

96 100

61 132.6 110.7 166.1

98 60.9 51.6 77.4

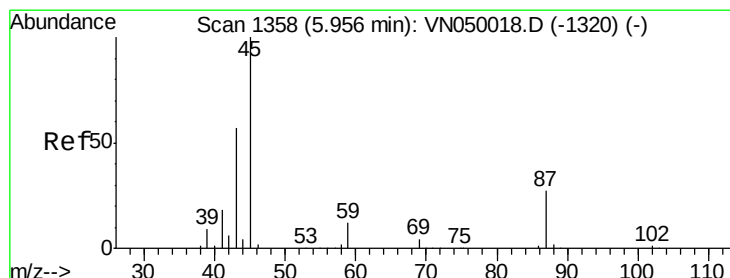
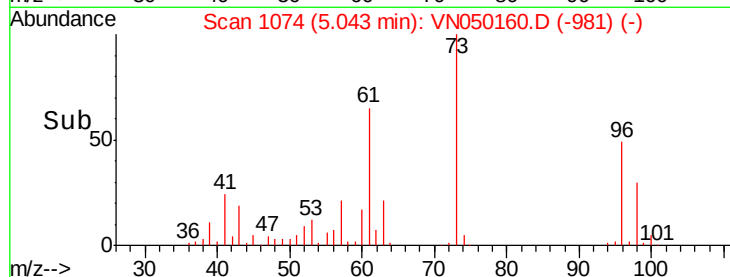
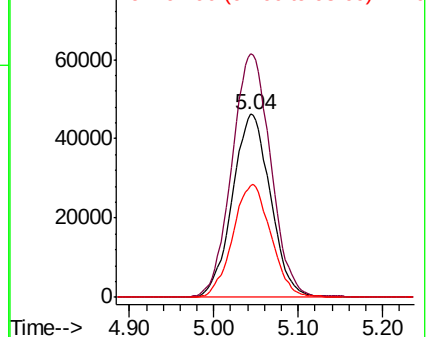


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.59 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Tgt Ion: 45 Resp: 458168

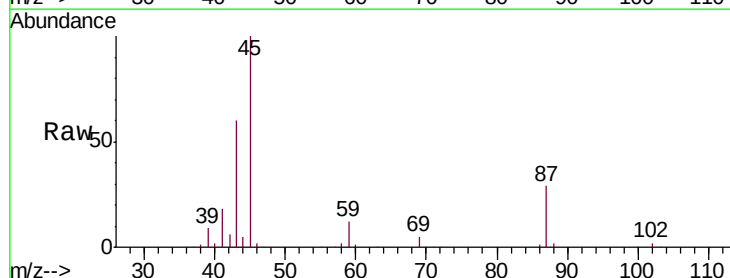
Ion Ratio Lower Upper

45 100

43 58.8 45.7 68.5

87 28.6 22.7 34.1

59 11.6 9.5 14.3



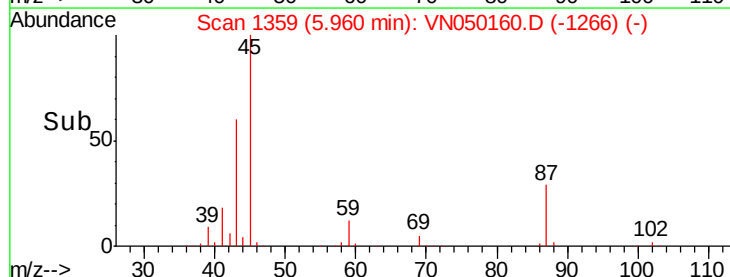
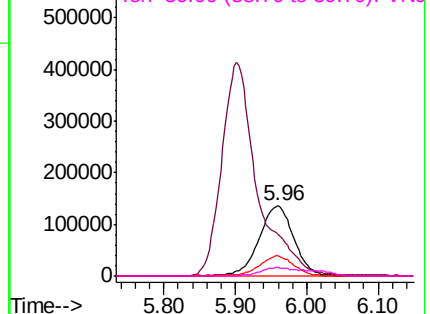
Abundance

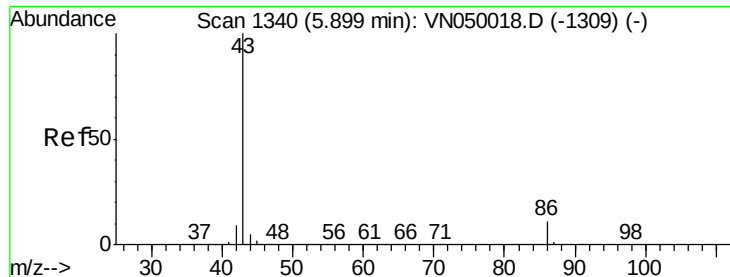
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 96.01 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

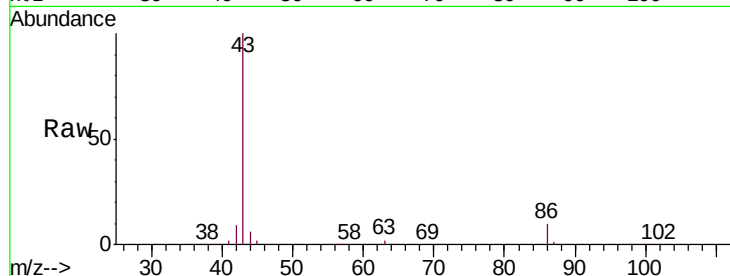
VN0727WBSD03

Tot Ion: 43 Resp: 1440020

Ion Ratio Lower Upper

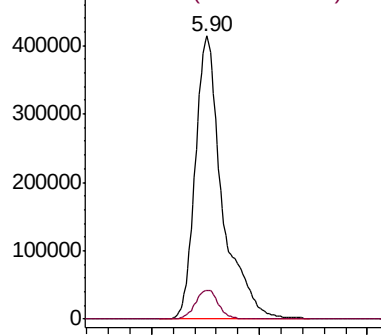
43 100

86 10.2 8.6 13.0

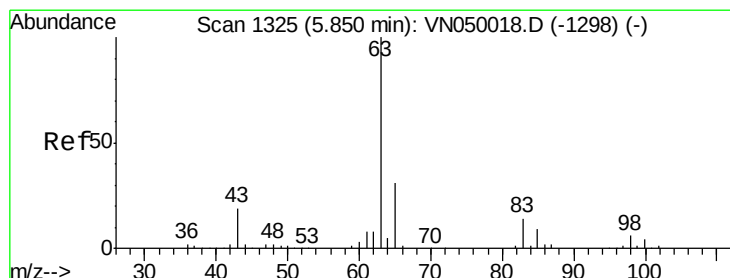
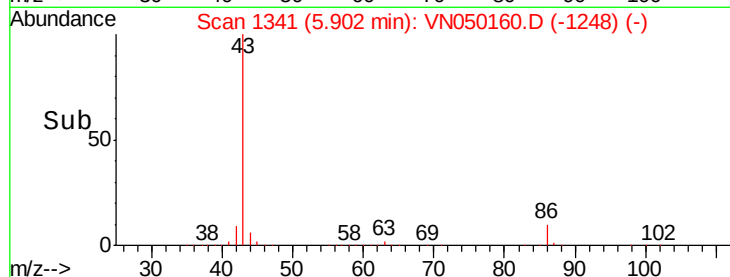


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.25 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

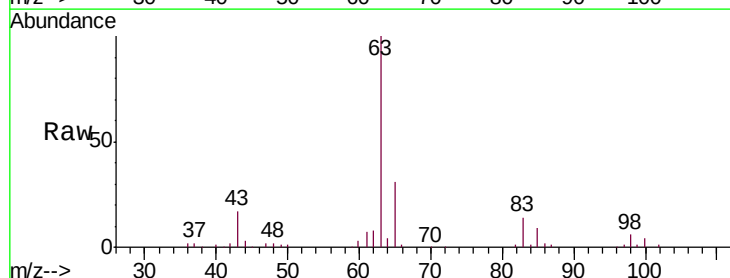
Tgt Ion: 63 Resp: 280989

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

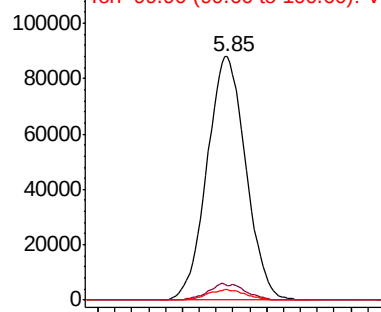
100 4.2 2.1 6.3



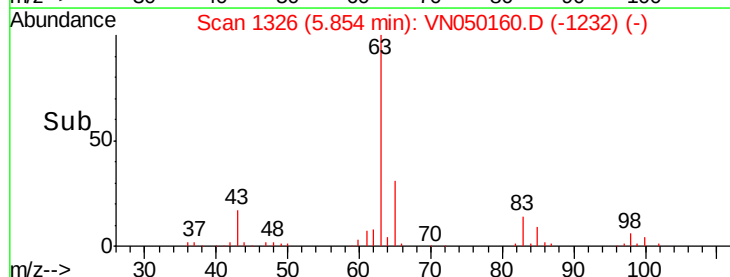
Abundance Ion 62.90 (62.60 to 63.60): VN0

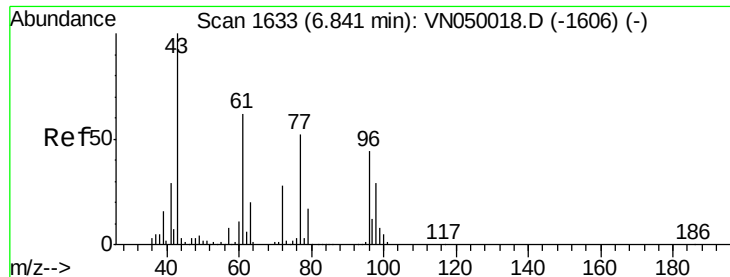
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 88.87 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

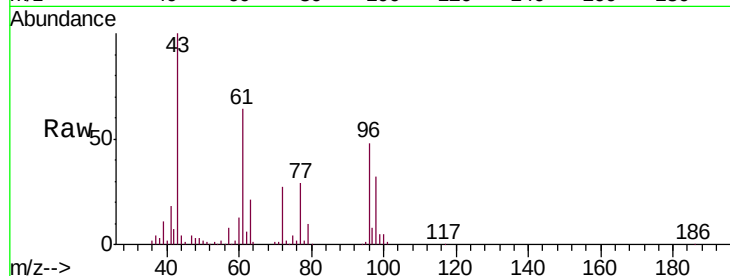
VN0727WBSD03

Tot Ion: 43 Resp: 283268

Ion Ratio Lower Upper

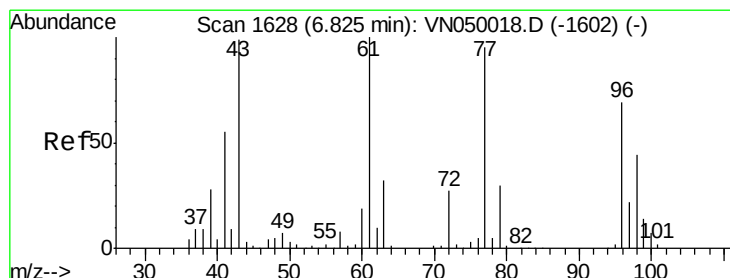
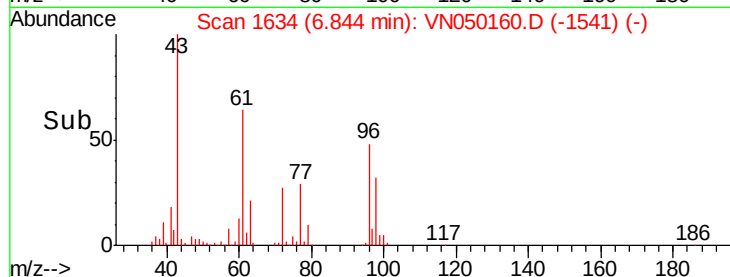
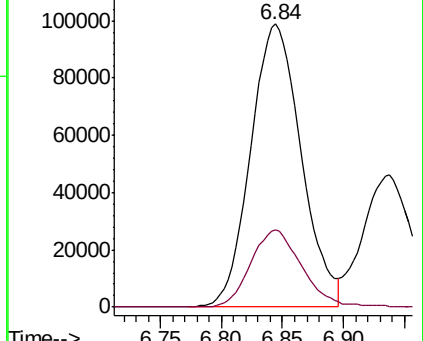
43 100

72 27.4 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: 11.47 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050160.D

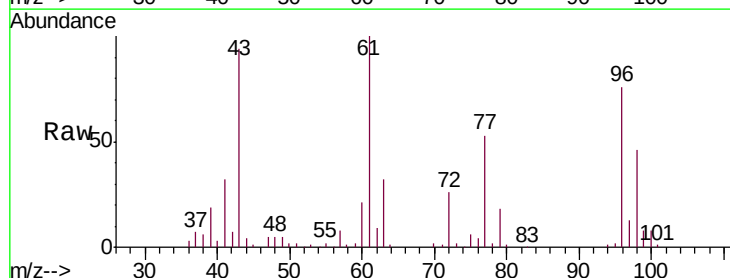
Acq: 28 Jul 2018 4:39

Tgt Ion: 77 Resp: 121066

Ion Ratio Lower Upper

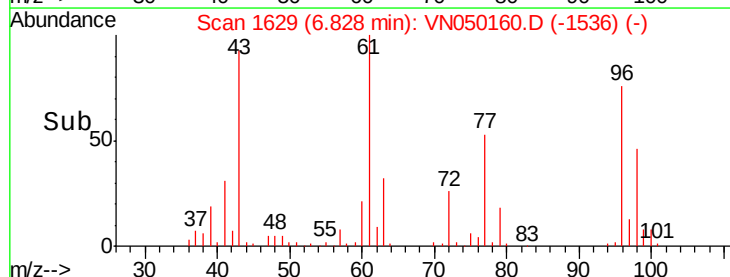
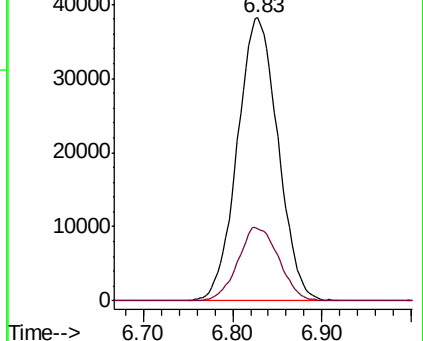
77 100

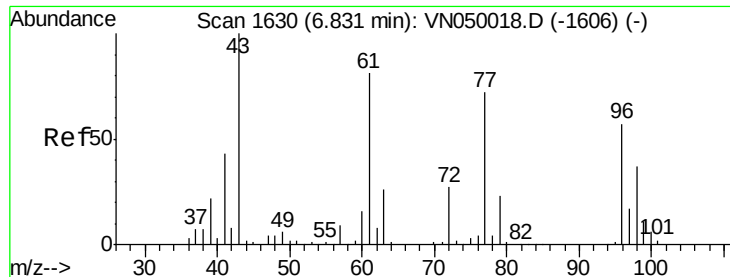
97 26.0 11.8 35.3



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: 20.45 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

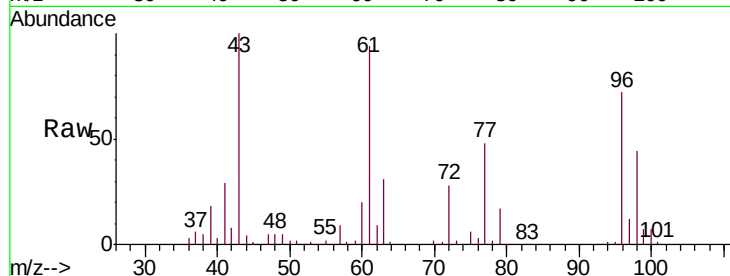
Tot Ion: 96 Resp: 161033

Ion Ratio Lower Upper

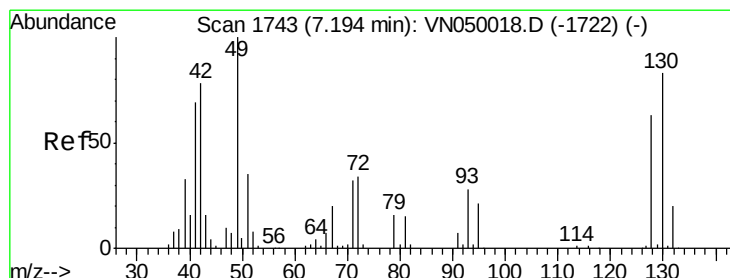
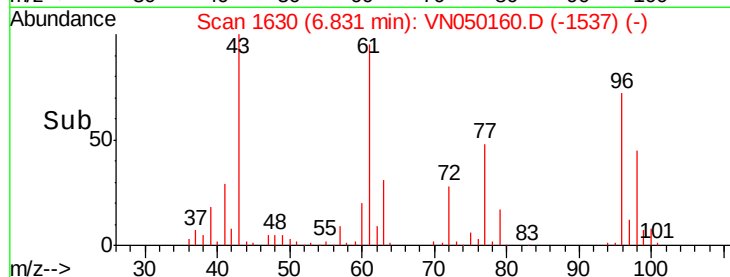
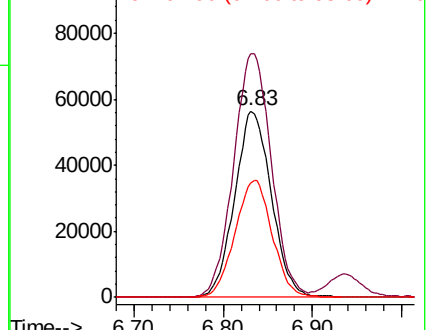
96 100

61 134.9 0.0 285.0

98 63.8 0.0 129.2



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



#28

Bromochloromethane

Concen: 20.59 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

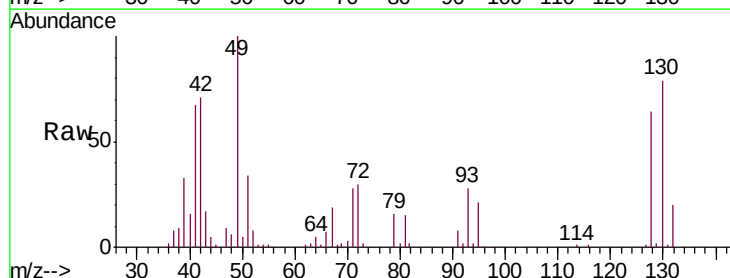
Tgt Ion: 49 Resp: 130332

Ion Ratio Lower Upper

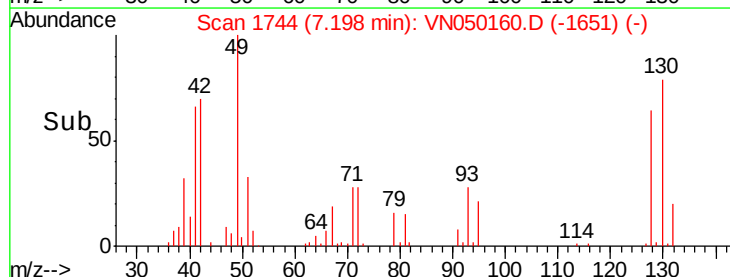
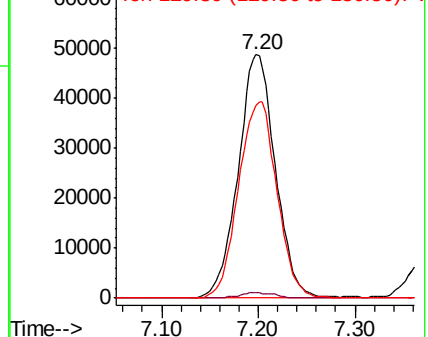
49 100

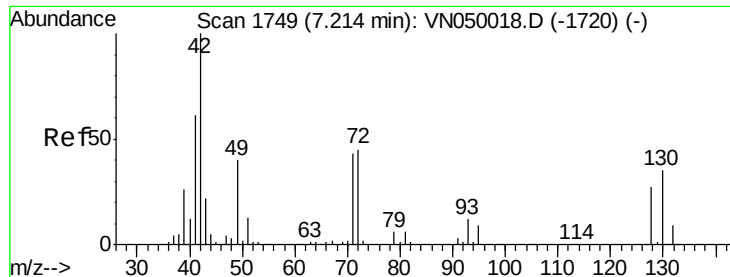
129 2.0 0.0 4.0

130 83.1 66.3 99.5



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





#29

Tetrahydrofuran

Concen: 92.06 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

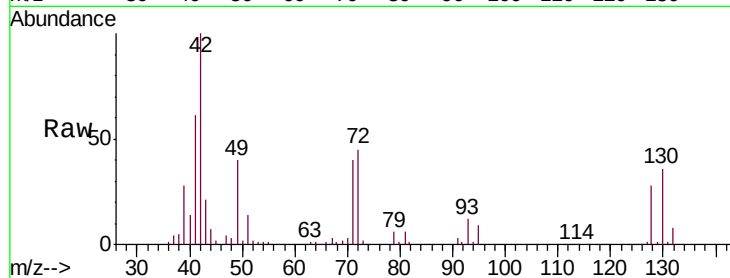
Tot Ion: 42 Resp: 189610

Ion Ratio Lower Upper

42 100

72 44.2 35.9 53.9

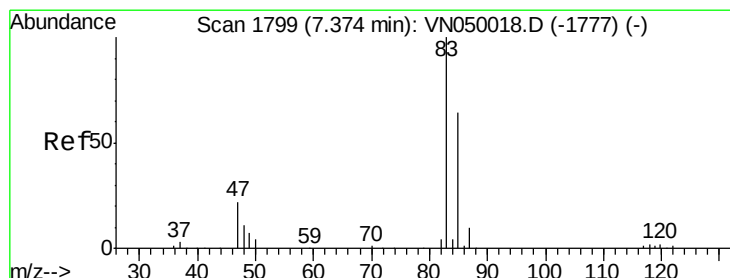
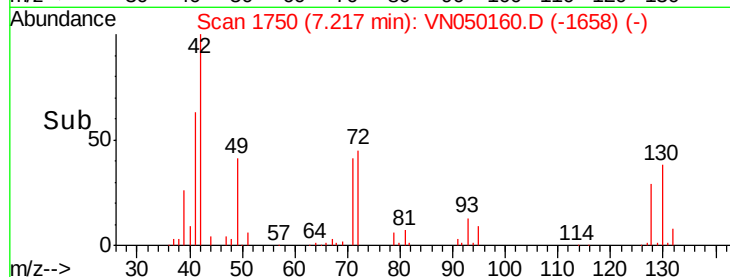
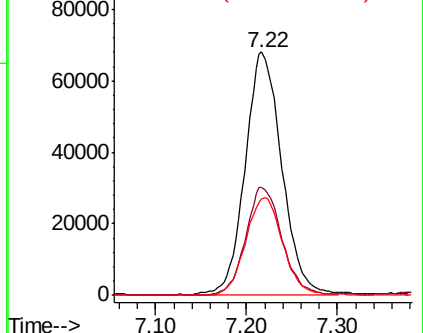
71 40.9 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.09 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050160.D

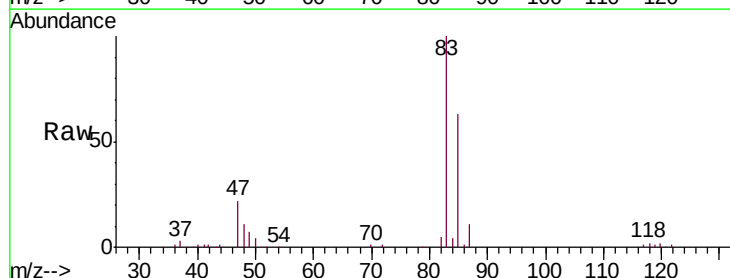
Acq: 28 Jul 2018 4:39

Tgt Ion: 83 Resp: 284563

Ion Ratio Lower Upper

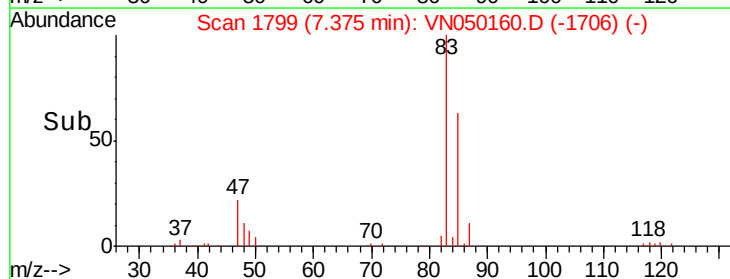
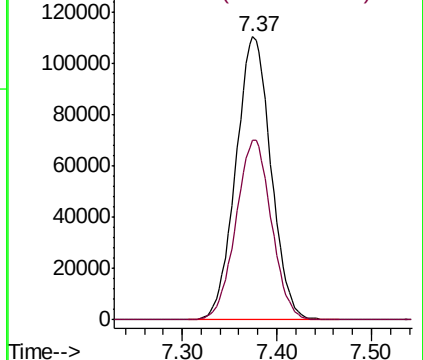
83 100

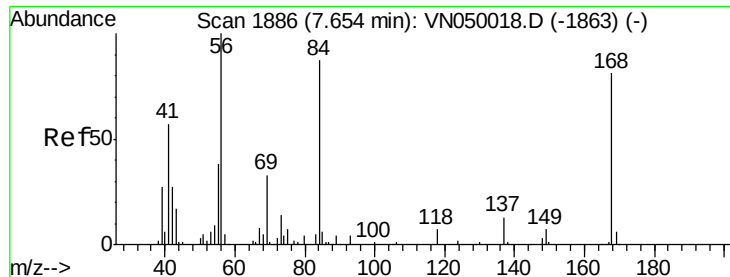
85 63.3 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

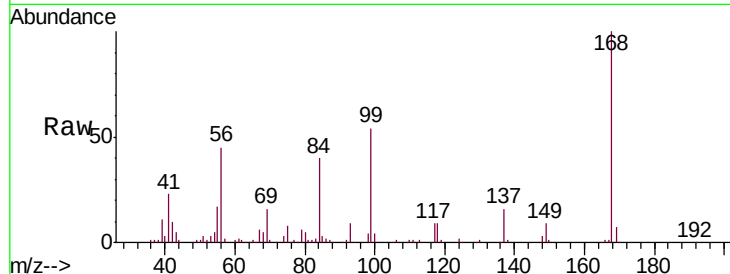




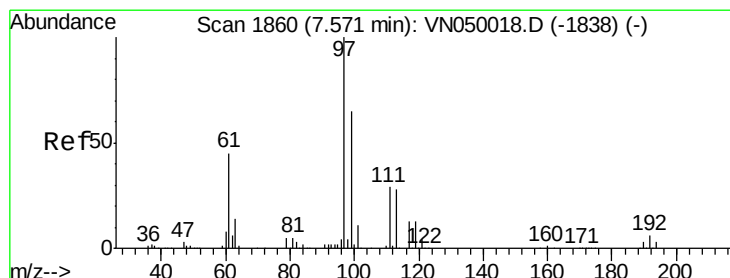
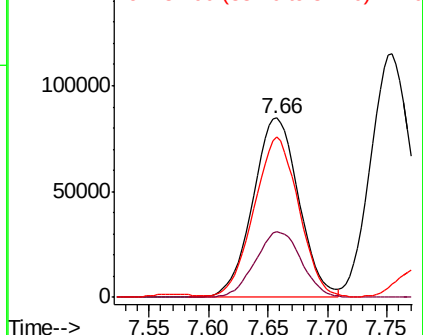
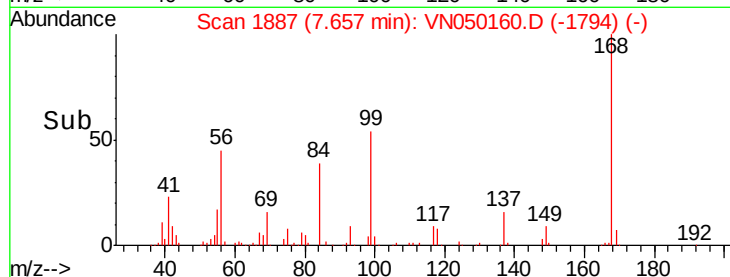
#31
Cyclohexane
Concen: 19.62 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion: 56 Resp: 226274
Ion Ratio Lower Upper
56 100
69 36.6 26.2 39.4
84 88.4 67.4 101.0

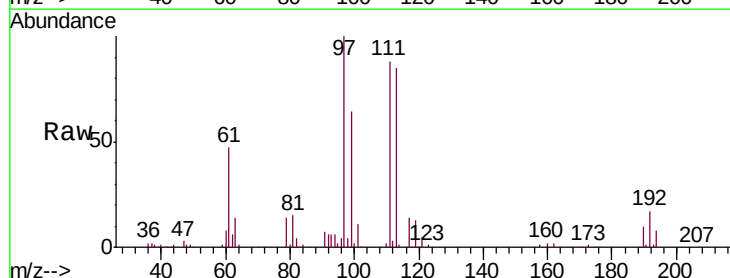


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

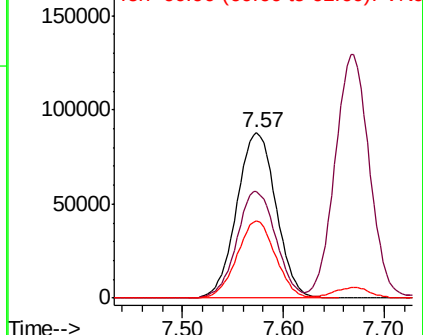
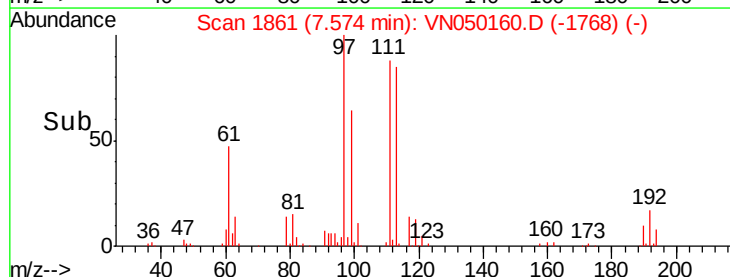


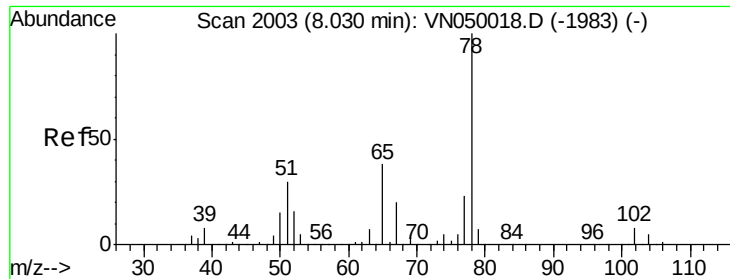
#32
1,1,1-Trichloroethane
Concen: 19.59 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion: 97 Resp: 237325
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 45.6 35.4 53.0



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

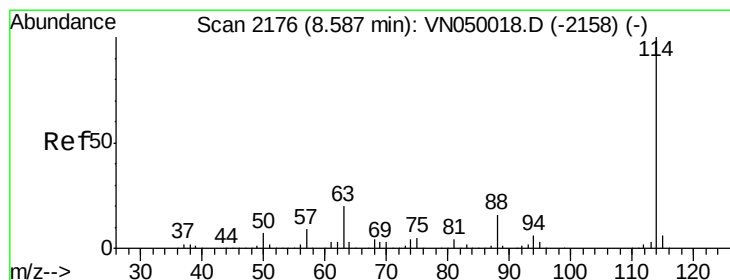
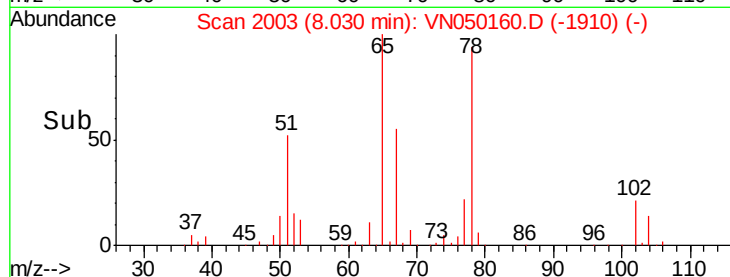
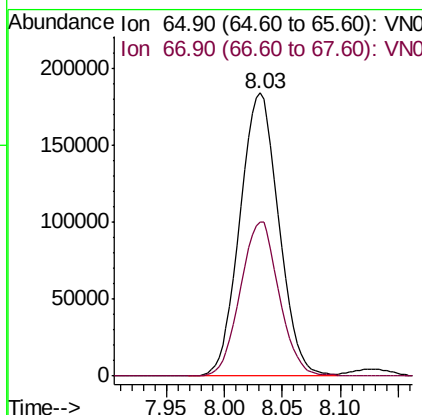
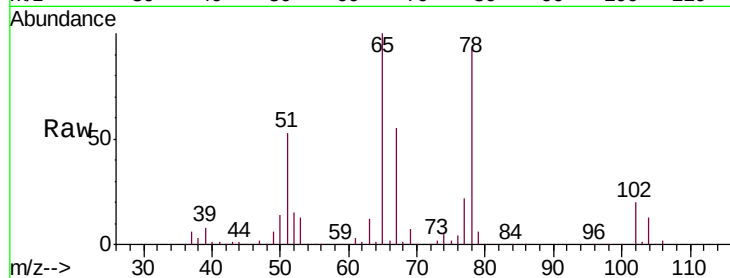




#33
 1,2-Dichloroethane-d4
 Concen: 51.53 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

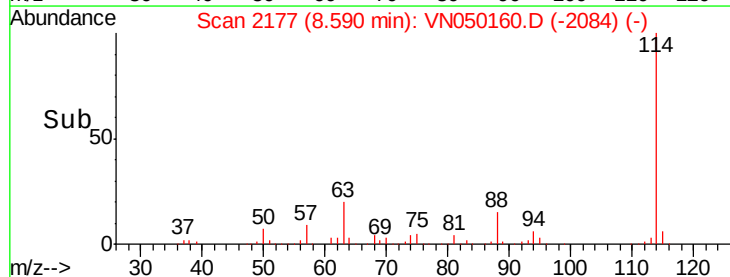
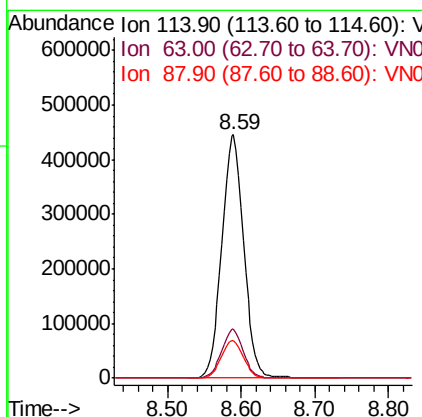
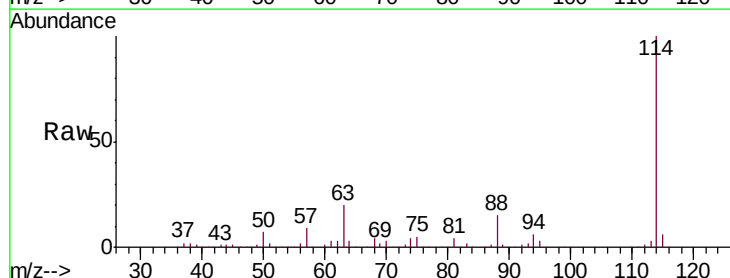
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

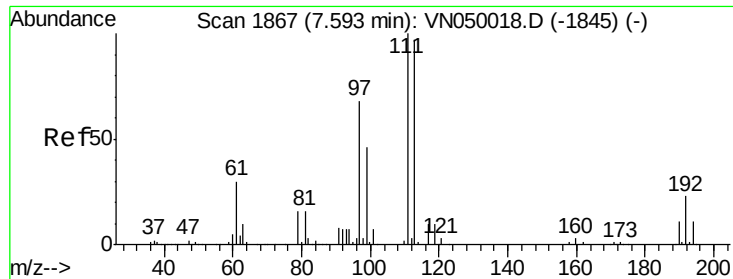
Tot Ion: 65 Resp: 430635
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion: 114 Resp: 922297
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.3 0.0 31.2

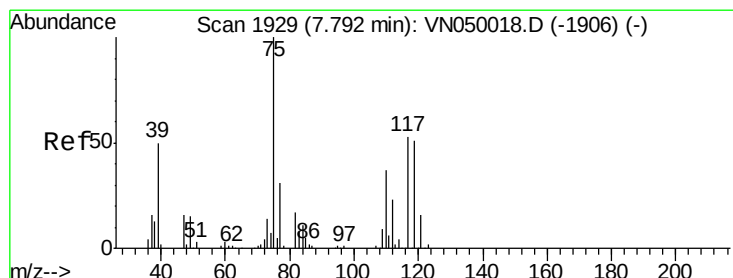
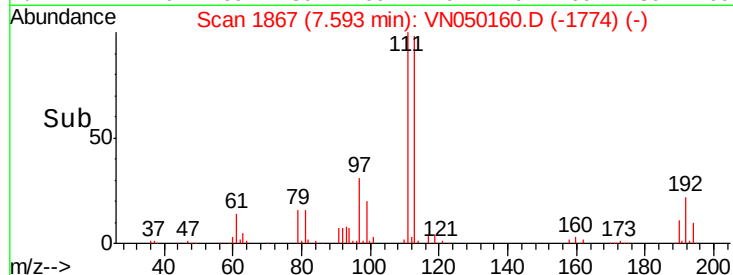
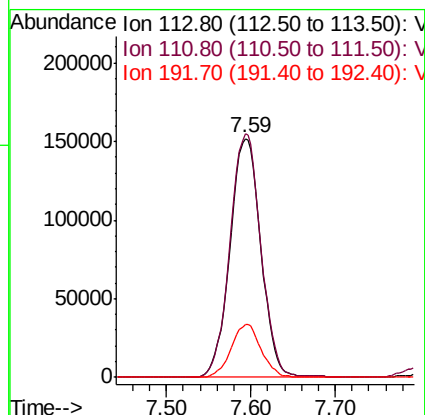
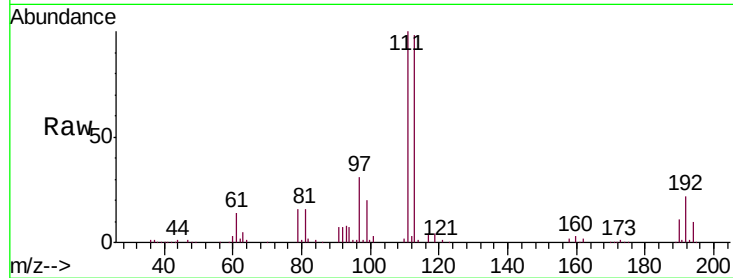




#35
 Dibromofluoromethane
 Concen: 51.48 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

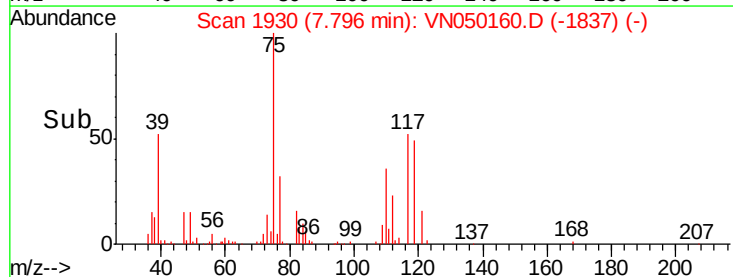
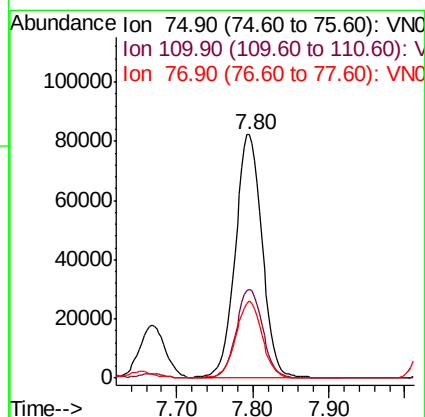
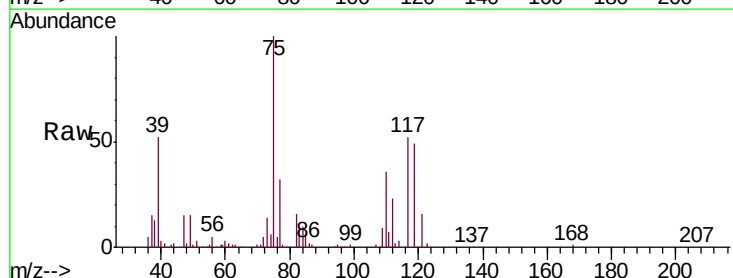
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

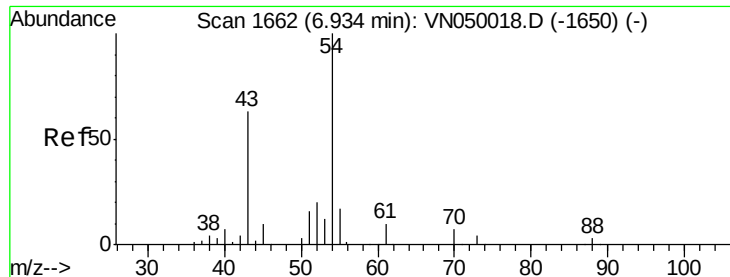
Tot Ion:113 Resp: 387640
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.7 121.1
 192 21.7 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 19.44 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion: 75 Resp: 201969
 Ion Ratio Lower Upper
 75 100
 110 35.7 18.4 55.2
 77 30.9 25.3 37.9

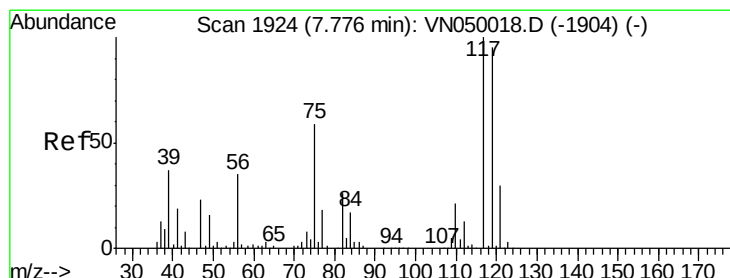
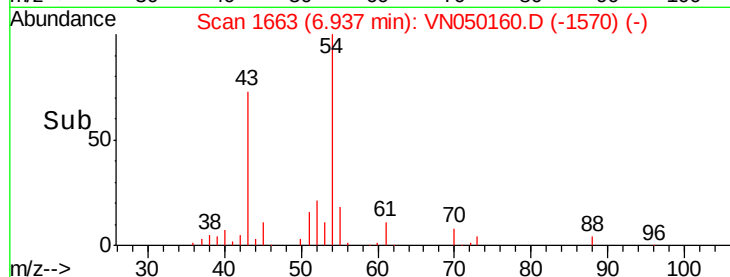
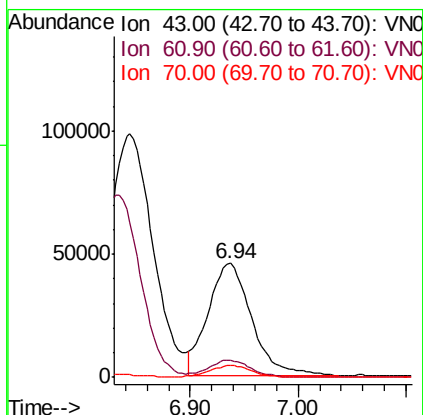
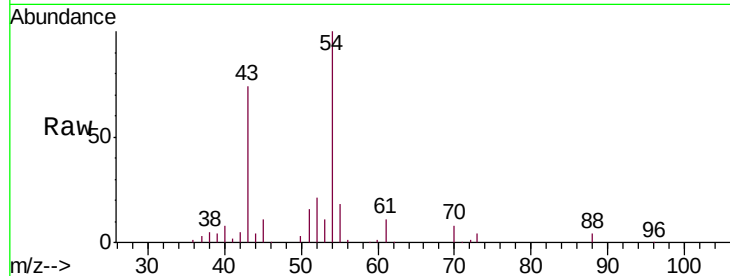




#37
Ethyl Acetate
Concen: 17.73 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

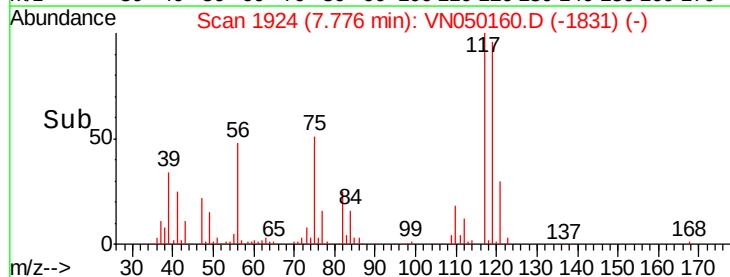
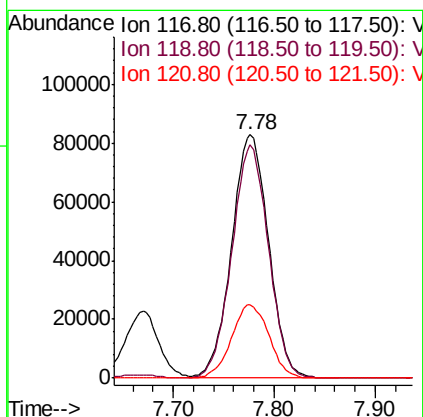
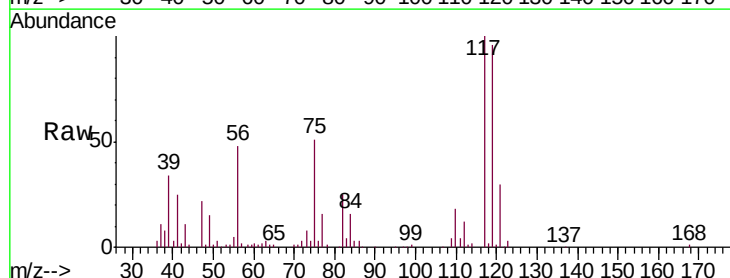
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

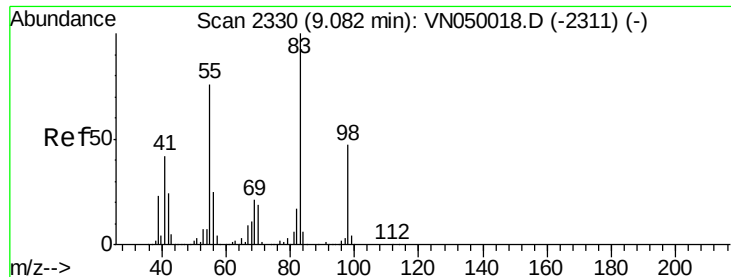
Tot Ion: 43 Resp: 128463
Ion Ratio Lower Upper
43 100
61 13.8 11.8 17.8
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.14 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion: 117 Resp: 211054
Ion Ratio Lower Upper
117 100
119 95.7 77.4 116.0
121 30.3 23.9 35.9

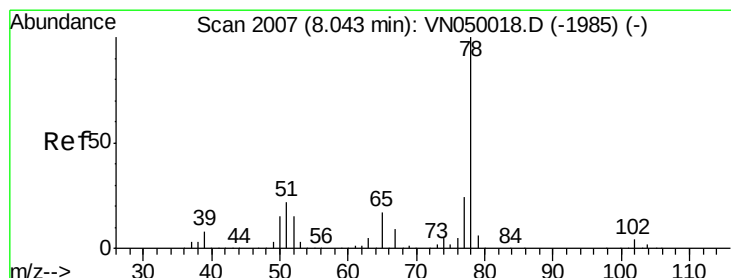
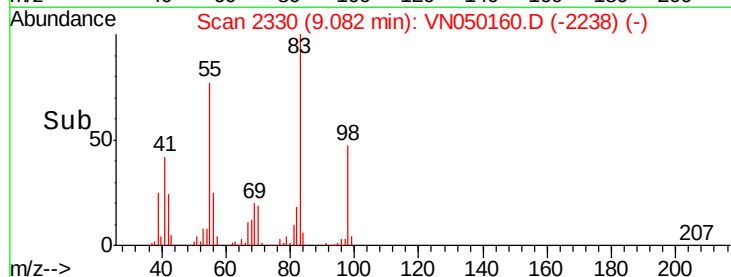
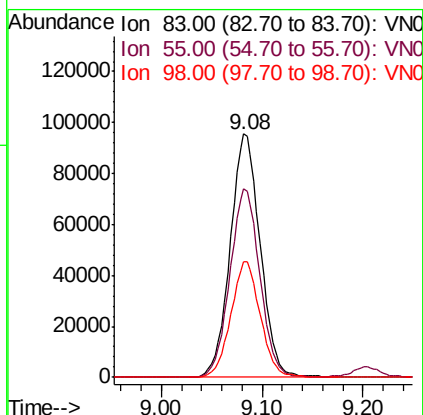
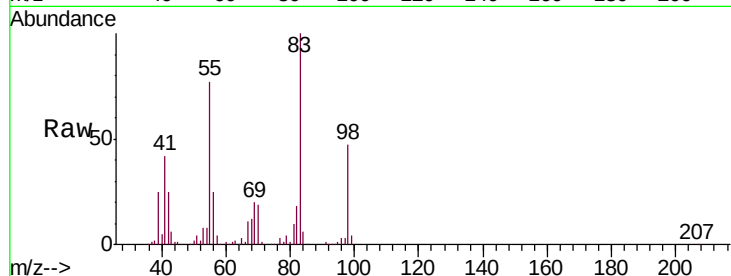




#39
Methylvlcyclohexane
Concen: 18.45 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

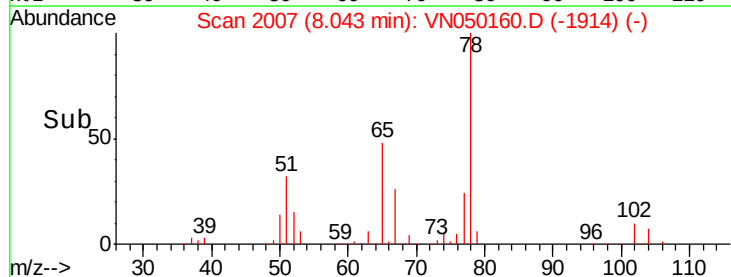
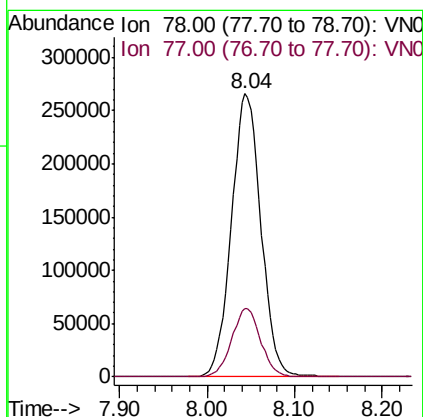
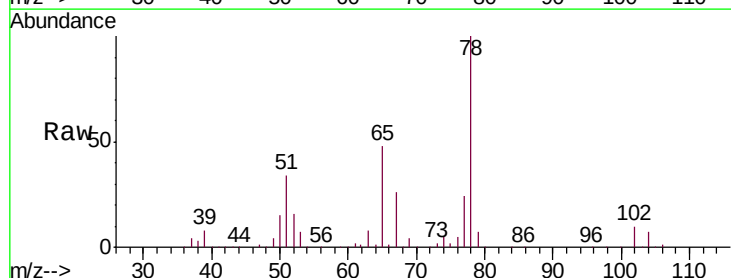
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

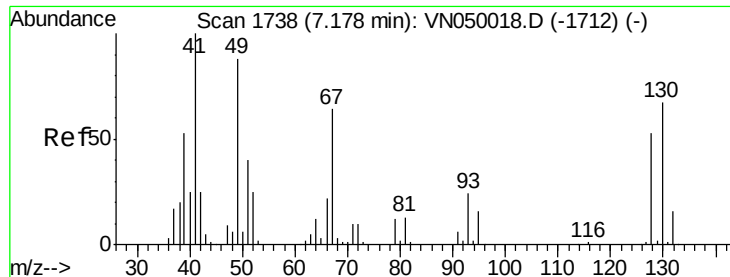
Tot Ion: 83 Resp: 197222
Ion Ratio Lower Upper
83 100
55 77.3 61.8 92.8
98 47.4 36.5 54.7



#40
Benzene
Concen: 19.71 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion: 78 Resp: 623110
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1

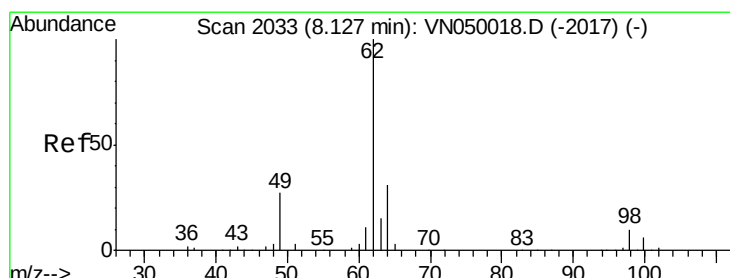
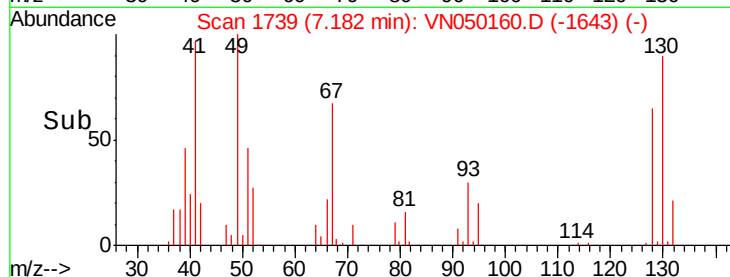
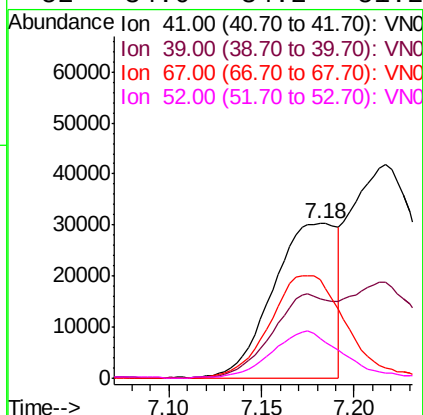
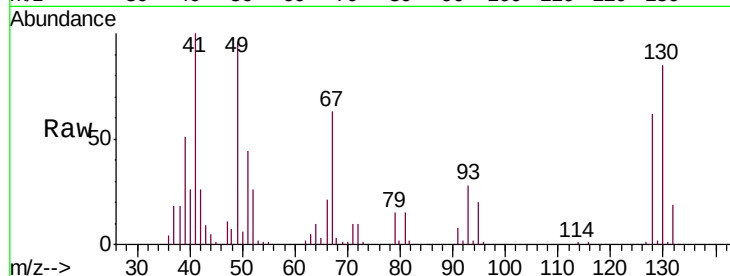




#41
Methacrylonitrile
Concen: 21.02 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

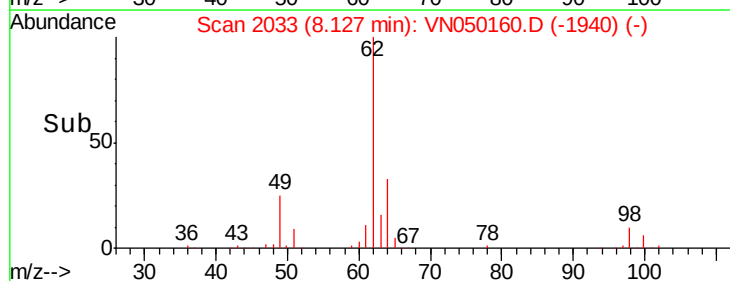
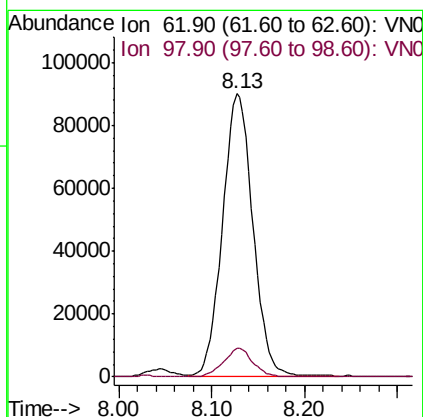
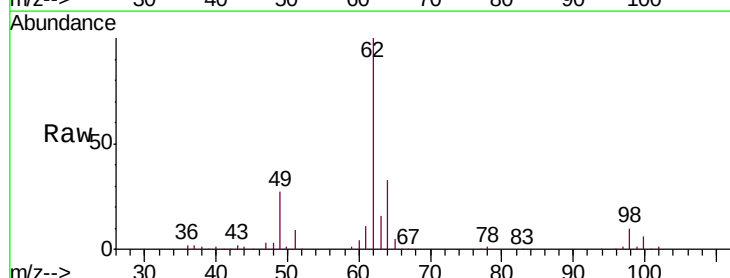
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

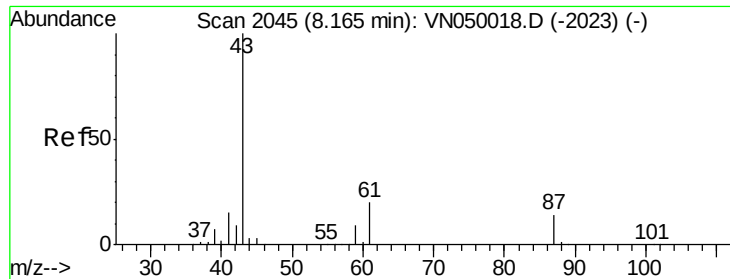
Tot Ion: 41 Resp: 72953
Ion Ratio Lower Upper
41 100
39 48.9 55.8 83.6#
67 79.3 84.3 126.5#
52 34.0 34.2 51.2#



#42
1,2-Dichloroethane
Concen: 19.34 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion: 62 Resp: 203981
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.8





#43

Isopropyl Acetate

Concen: 19.62 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

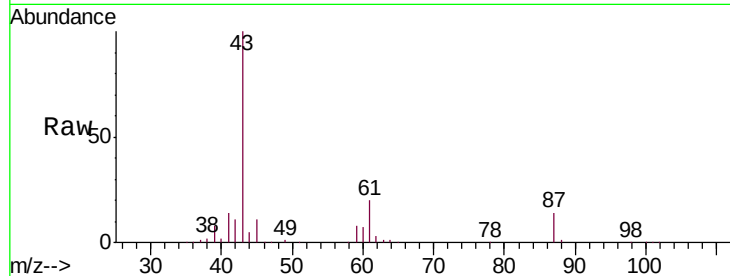
Tot Ion: 43 Resp: 277301

Ion Ratio Lower Upper

43 100

61 16.7 15.8 23.6

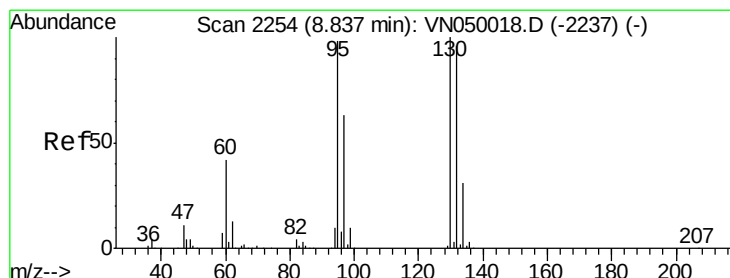
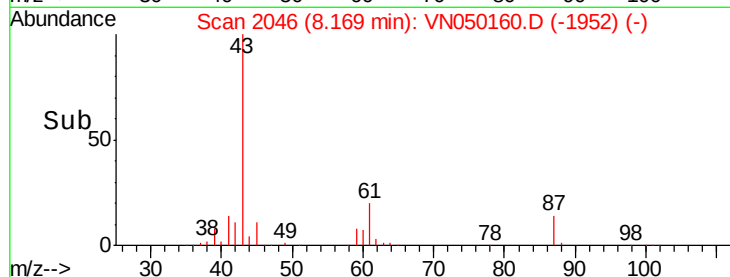
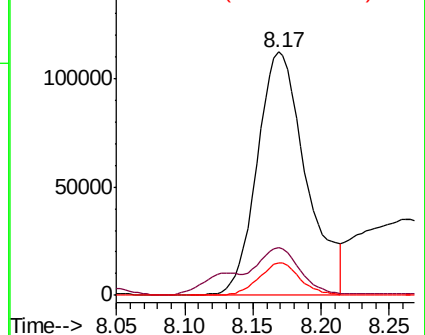
87 11.3 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.00 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050160.D

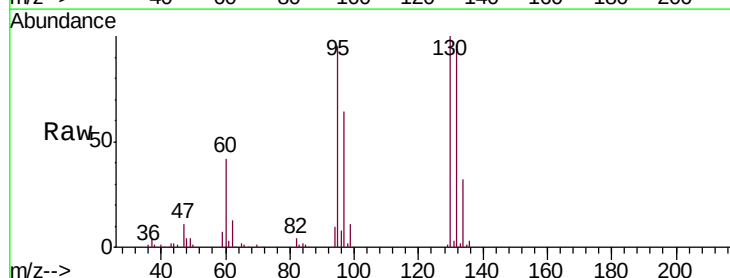
Acq: 28 Jul 2018 4:39

Tgt Ion:130 Resp: 161399

Ion Ratio Lower Upper

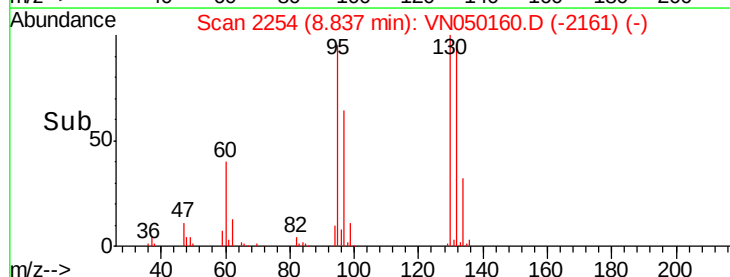
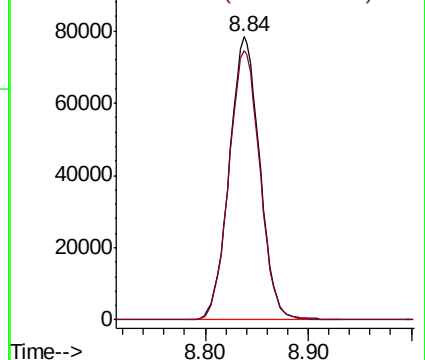
130 100

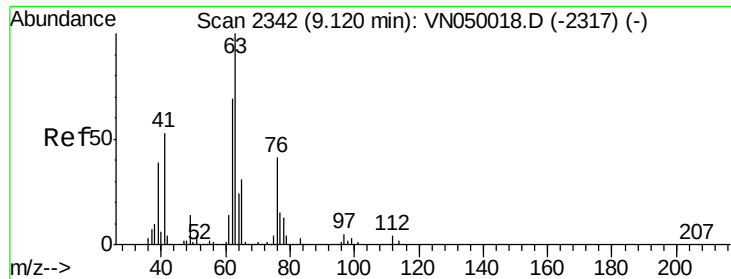
95 95.3 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.94 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

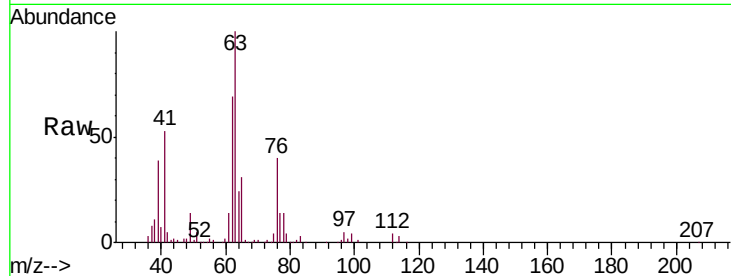
VN0727WBSD03

Tot Ion: 63 Resp: 166979

Ion Ratio Lower Upper

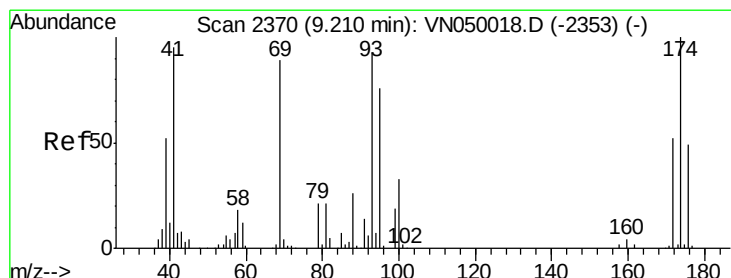
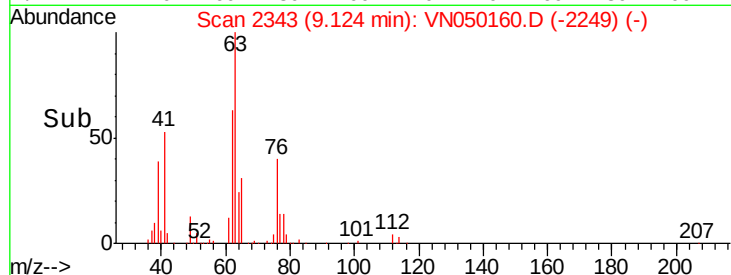
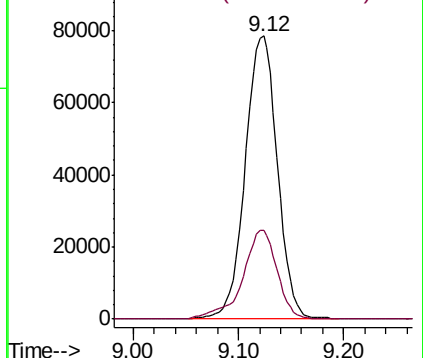
63 100

65 31.5 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.05 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

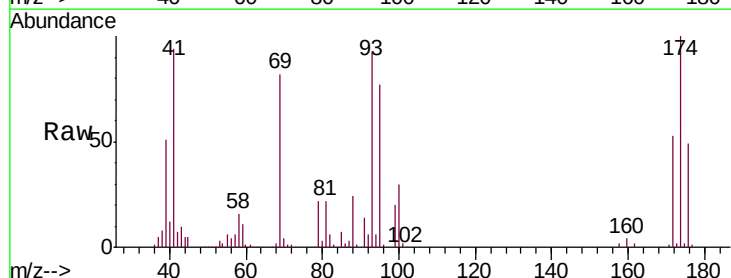
Tgt Ion: 93 Resp: 99066

Ion Ratio Lower Upper

93 100

95 84.4 66.6 100.0

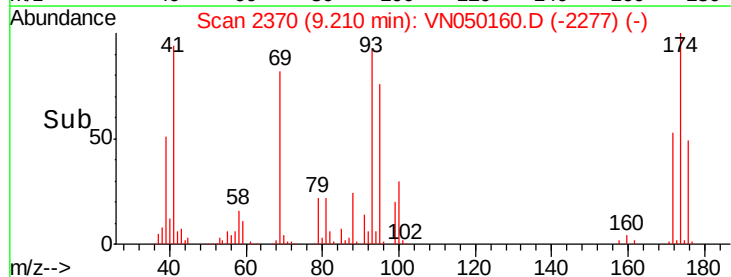
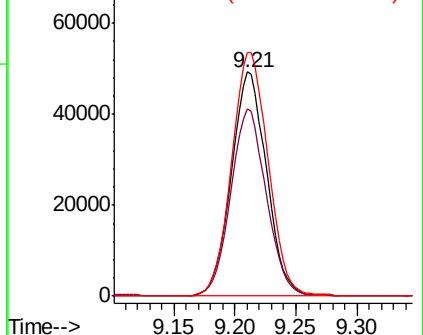
174 112.5 87.1 130.7

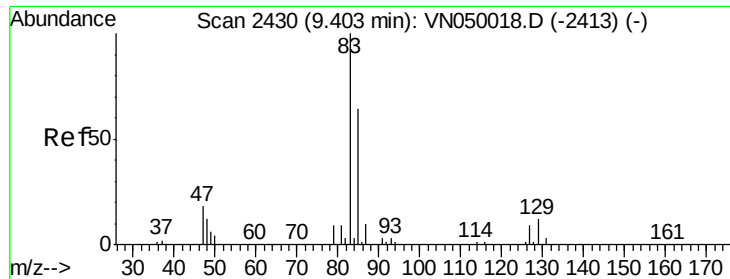


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.28 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

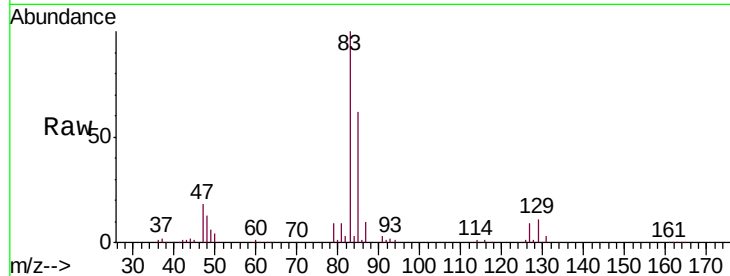
Tot Ion: 83 Resp: 211571

Ion Ratio Lower Upper

83 100

85 61.8 51.1 76.7

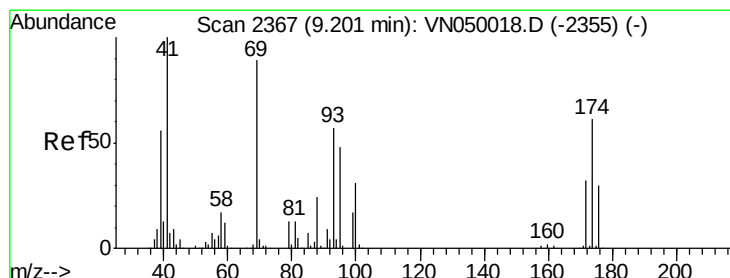
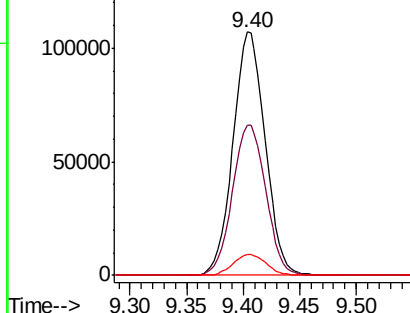
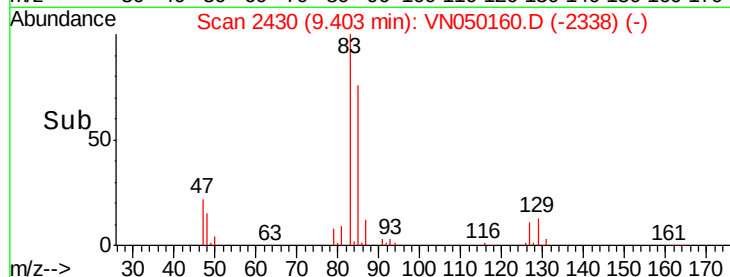
127 8.7 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN050160.D (-2338) (-)

Ion 84.90 (84.60 to 85.60): VN050160.D (-2338) (-)

Ion 126.80 (126.50 to 127.50): VN050160.D (-2338) (-)



#48

Methyl methacrylate

Concen: 18.52 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

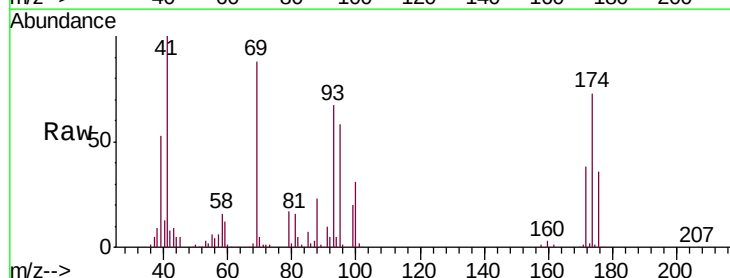
Tgt Ion: 41 Resp: 115557

Ion Ratio Lower Upper

41 100

69 89.6 70.6 105.8

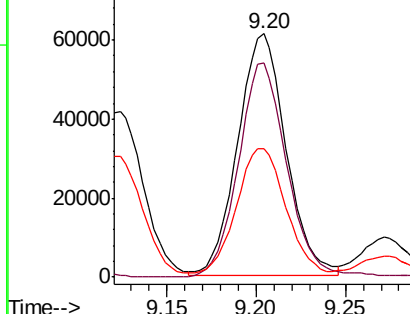
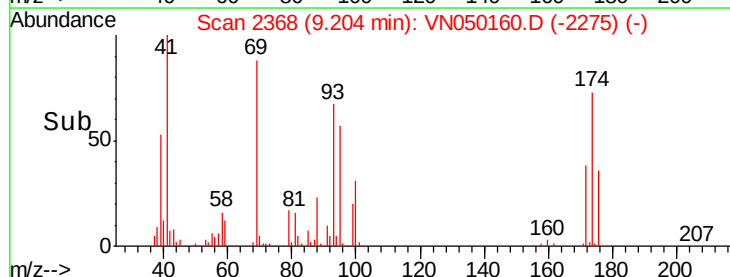
39 55.1 43.9 65.9

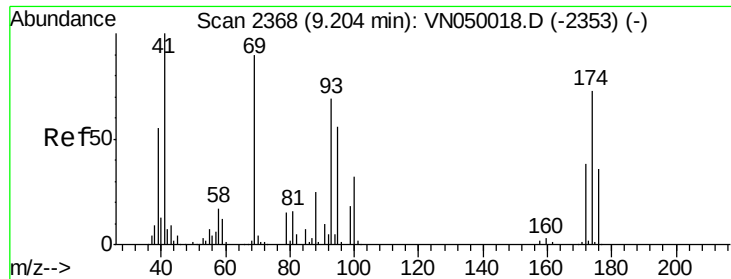


Abundance Ion 41.00 (40.70 to 41.70): VN050160.D (-2275) (-)

Ion 69.00 (68.70 to 69.70): VN050160.D (-2275) (-)

Ion 39.00 (38.70 to 39.70): VN050160.D (-2275) (-)

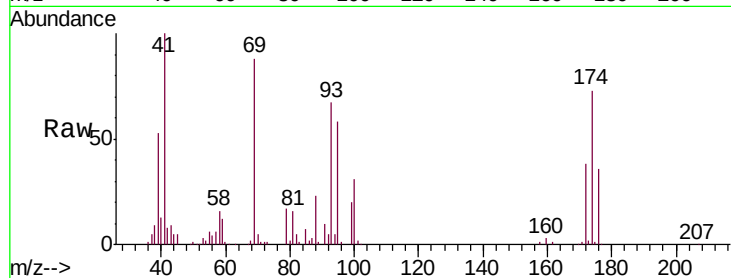




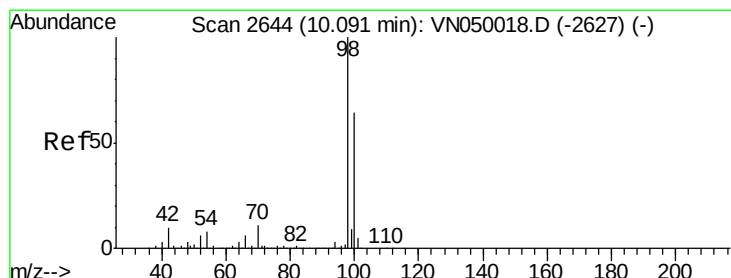
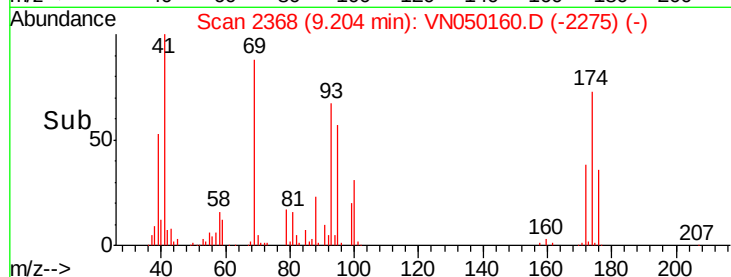
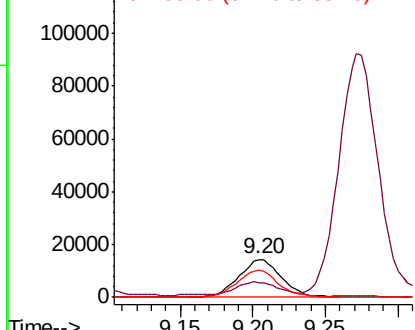
#49
1,4-Dioxane
Concen: 347.13 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion: 88 Resp: 29475
Ion Ratio Lower Upper
88 100
43 32.8 26.9 40.3
58 69.8 57.3 85.9

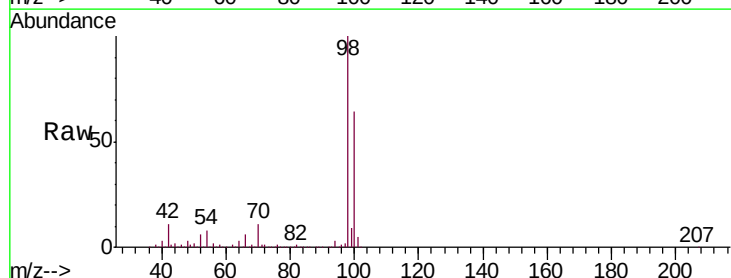


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

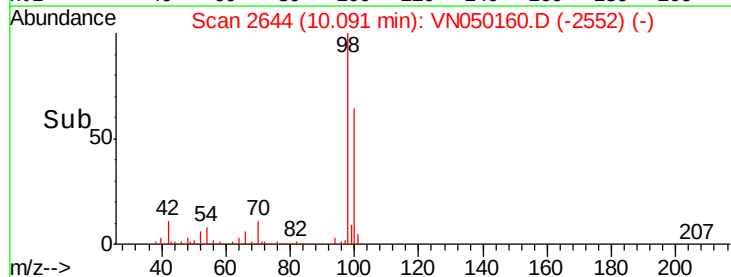
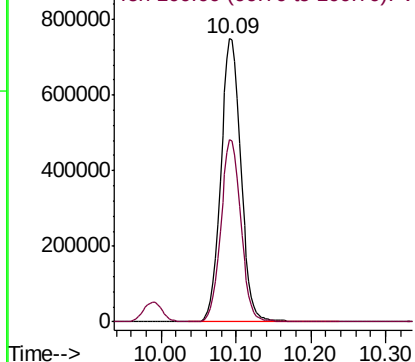


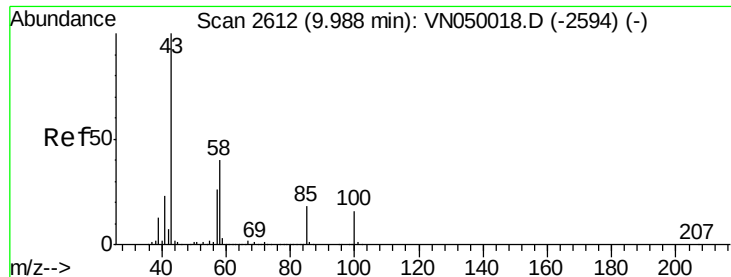
#50
Toluene-d8
Concen: 50.07 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion: 98 Resp: 1386133
Ion Ratio Lower Upper
98 100
100 64.2 50.7 76.1



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





#51

4-Methyl-2-Pentanone

Concen: 92.47 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

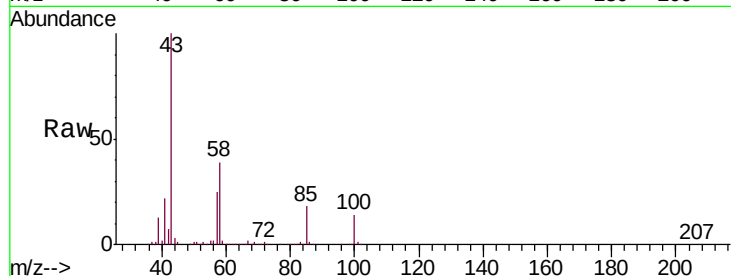
VN0727WBSD03

Tot Ion: 43 Resp: 658542

Ion Ratio Lower Upper

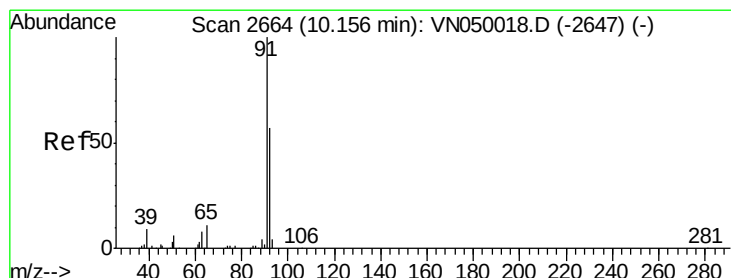
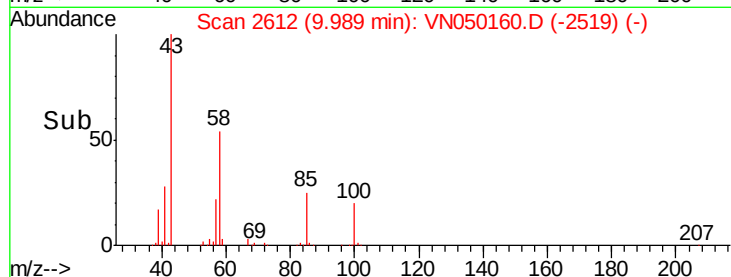
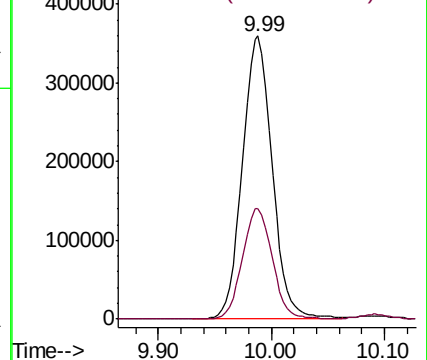
43 100

58 39.4 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.06 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050160.D

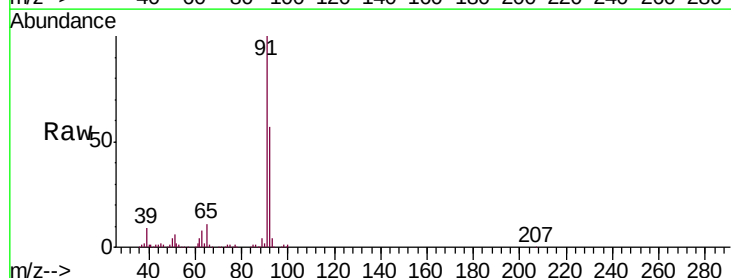
Acq: 28 Jul 2018 4:39

Tgt Ion: 92 Resp: 374485

Ion Ratio Lower Upper

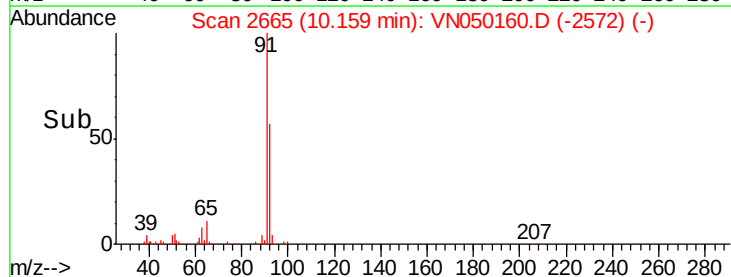
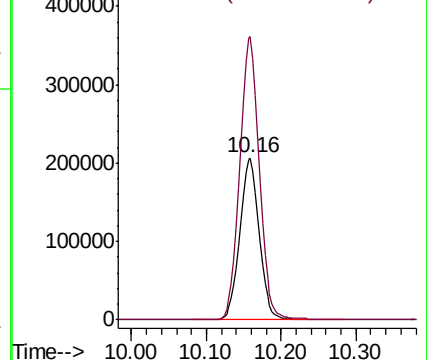
92 100

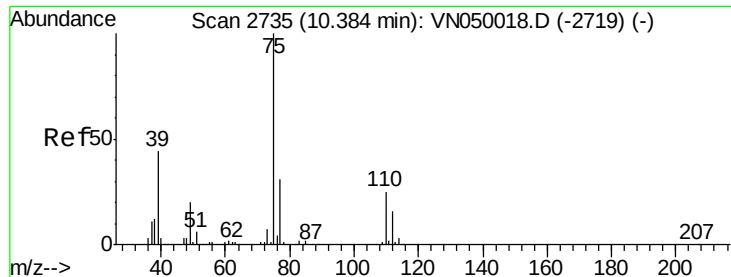
91 175.8 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 17.84 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

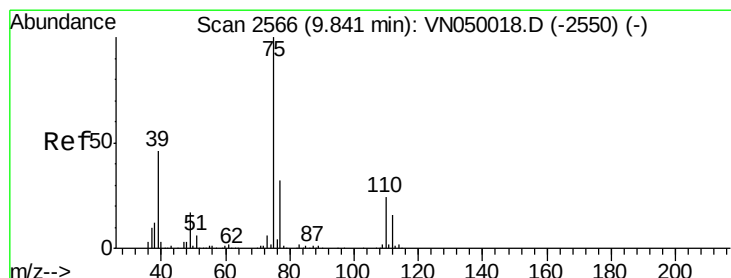
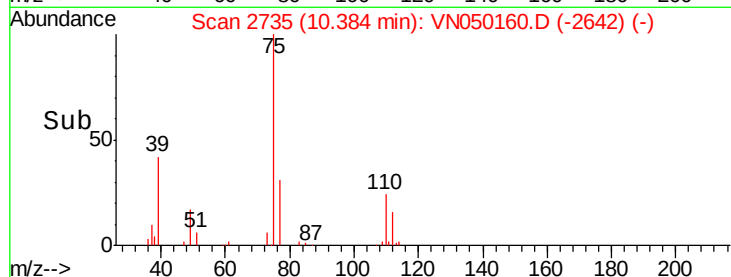
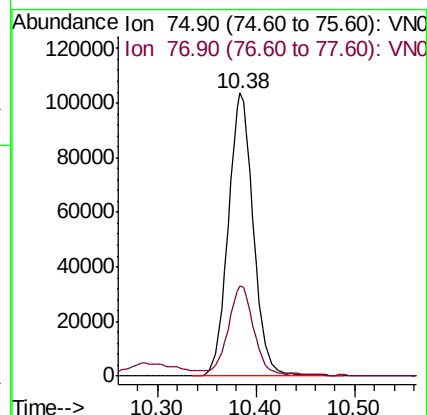
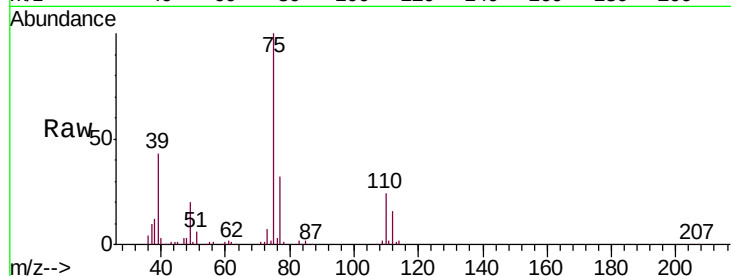
VN0727WBSD03

Tot Ion: 75 Resp: 184801

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 18.53 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

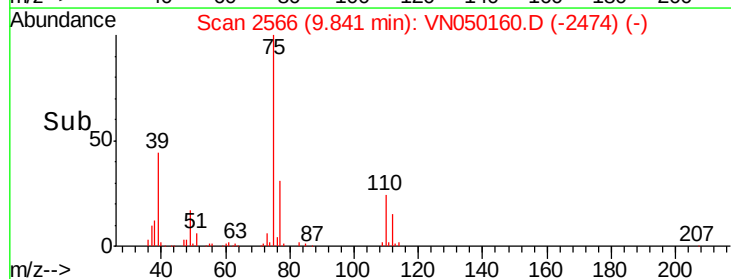
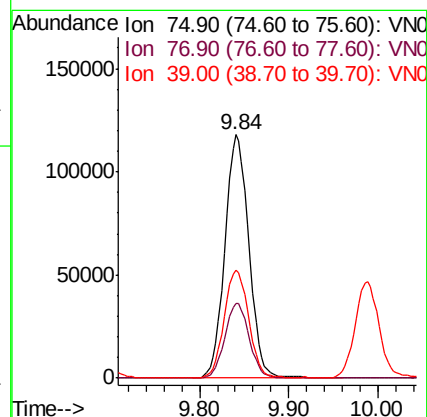
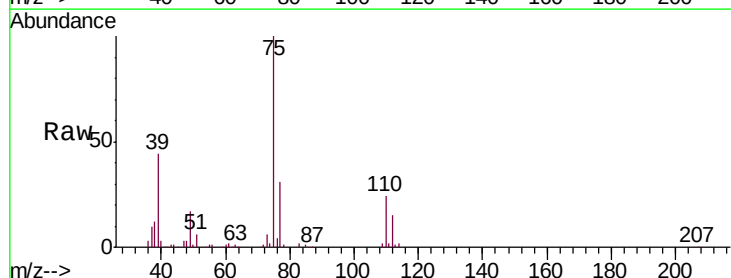
Tgt Ion: 75 Resp: 219339

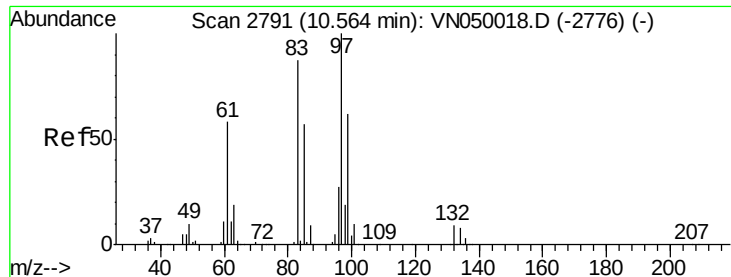
Ion Ratio Lower Upper

75 100

77 30.9 25.5 38.3

39 44.2 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 19.45 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

Tot Ion: 97 Resp: 143990

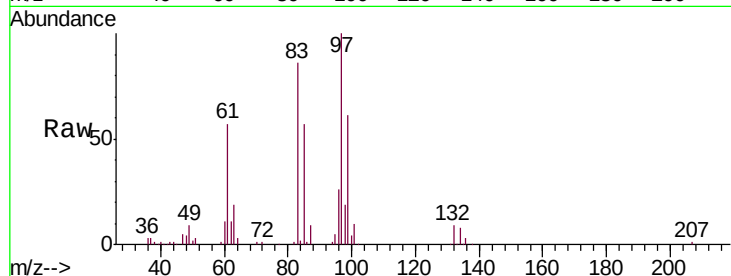
Ion Ratio Lower Upper

97 100

83 85.8 69.2 103.8

85 56.6 44.0 66.0

99 61.1 49.9 74.9

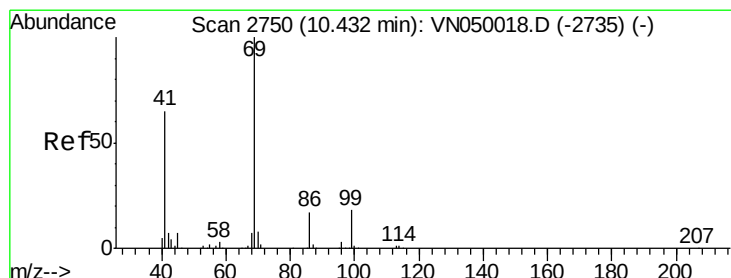
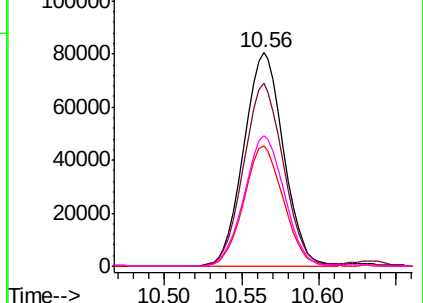
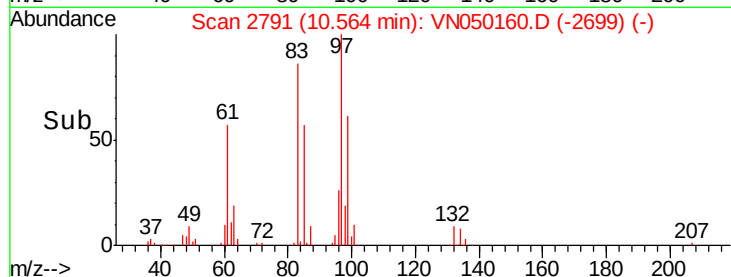


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.08 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

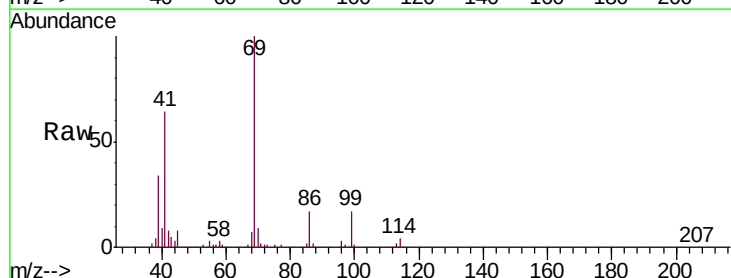
Tgt Ion: 69 Resp: 167745

Ion Ratio Lower Upper

69 100

41 61.7 51.0 76.4

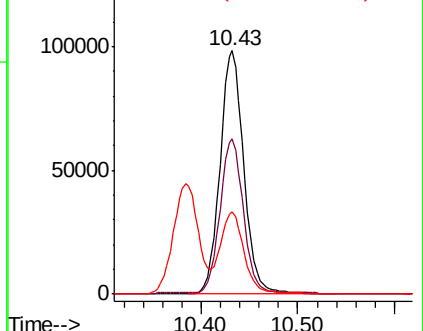
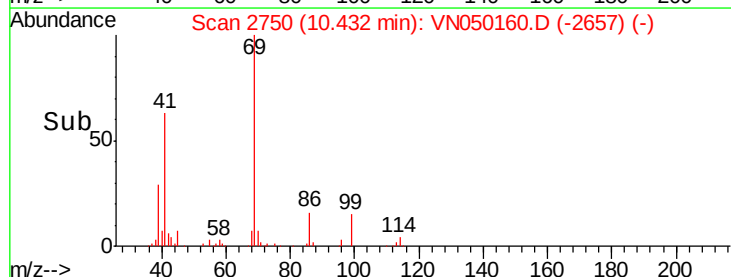
39 33.8 26.6 40.0

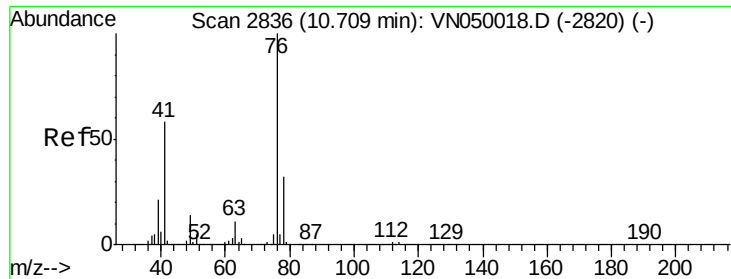


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.49 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

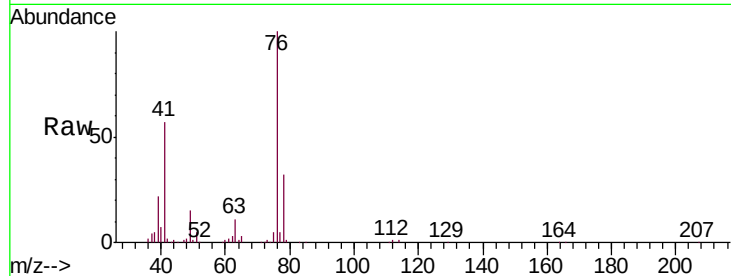
VN0727WBSD03

Tot Ion: 76 Resp: 234917

Ion Ratio Lower Upper

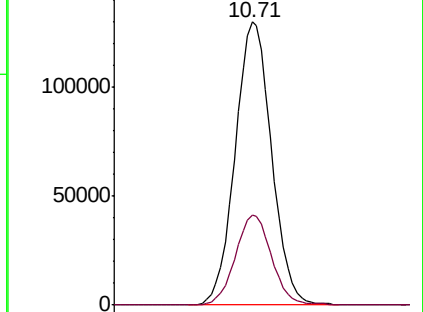
76 100

78 31.7 25.7 38.5

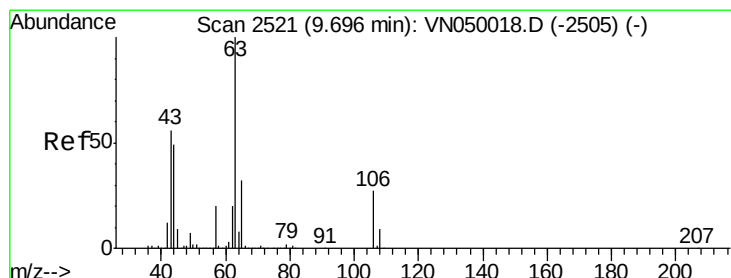
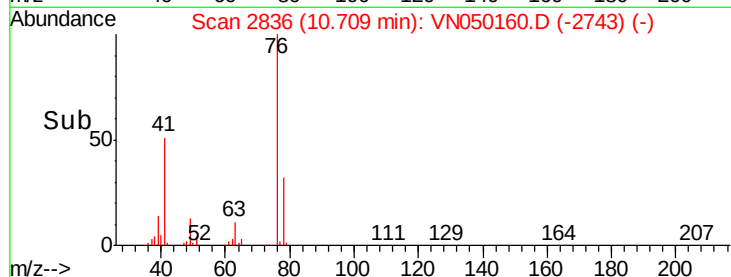


Abundance Ion 75.90 (75.60 to 76.60): VN050018.D (-2820) (-)

Ion 77.90 (77.60 to 78.60): VN050018.D (-2820) (-)



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 86.55 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050160.D

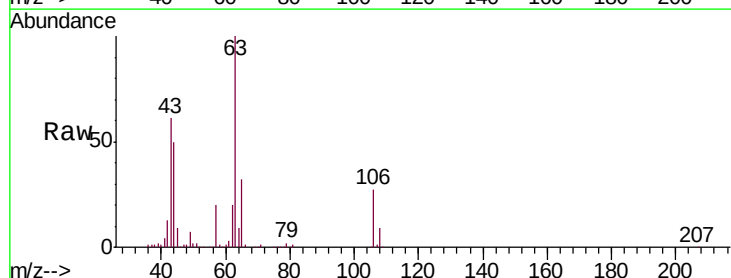
Acq: 28 Jul 2018 4:39

Tgt Ion: 63 Resp: 378465

Ion Ratio Lower Upper

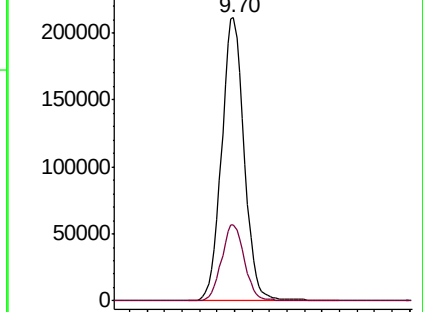
63 100

106 27.3 21.7 32.5

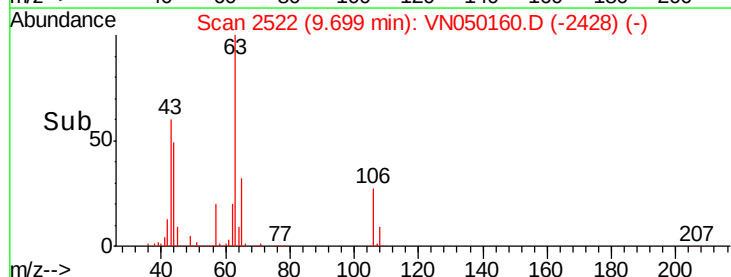


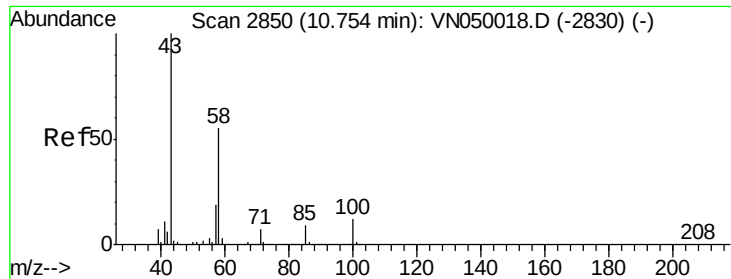
Abundance Ion 62.90 (62.60 to 63.60): VN050018.D (-2505) (-)

Ion 105.90 (105.60 to 106.60): VN050018.D (-2505) (-)



Time-->

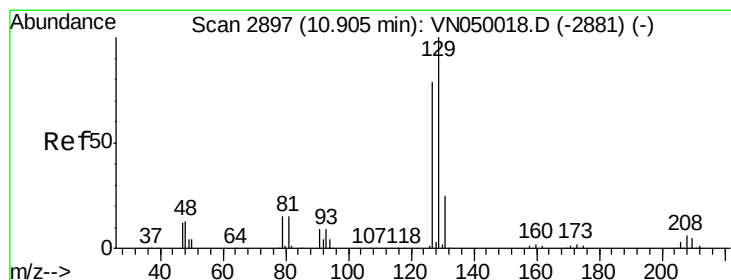
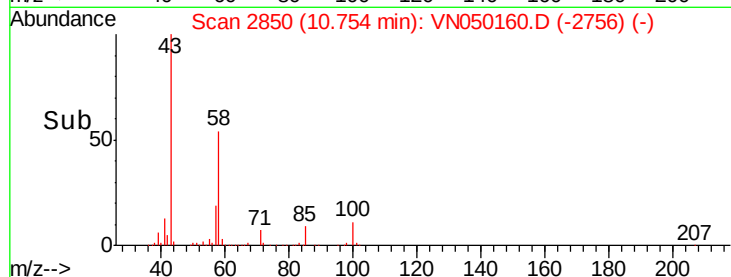
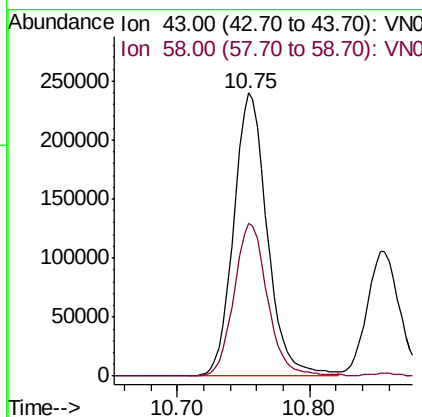
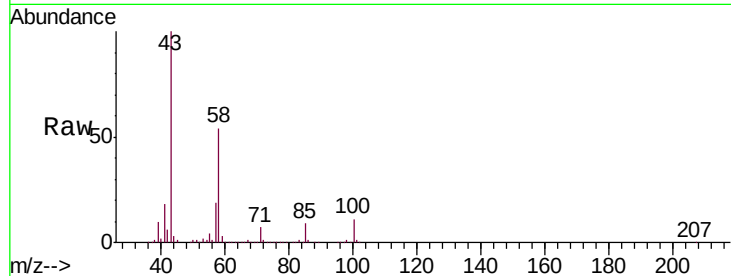




#59
2-Hexanone
Concen: 83.63 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

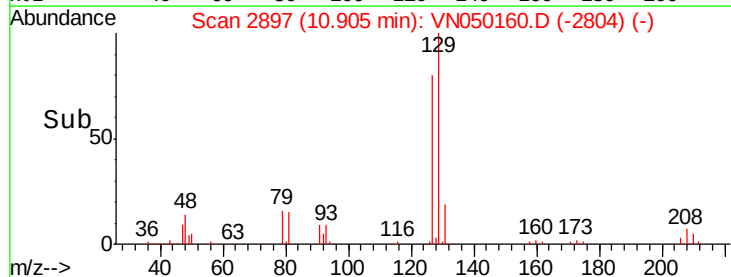
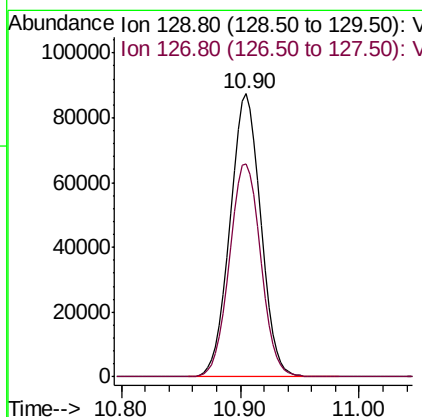
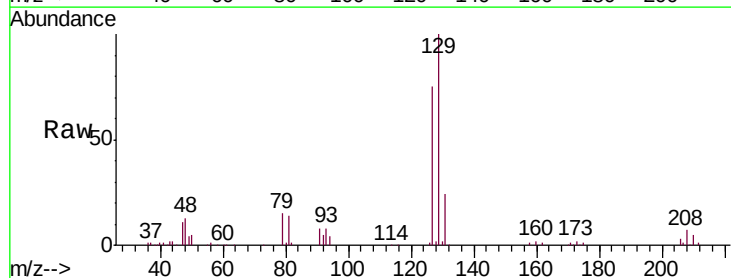
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

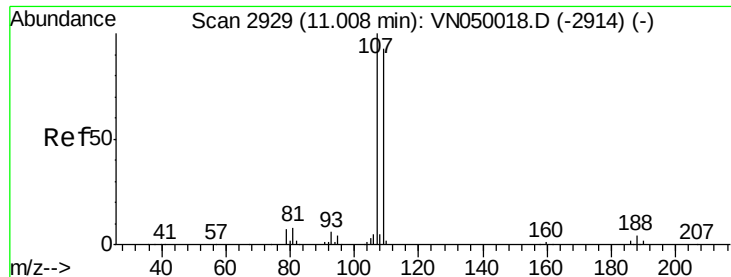
Tot Ion: 43 Resp: 419239
Ion Ratio Lower Upper
43 100
58 54.2 27.6 82.7



#60
Dibromochloromethane
Concen: 19.14 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion: 129 Resp: 156869
Ion Ratio Lower Upper
129 100
127 76.7 38.0 113.9

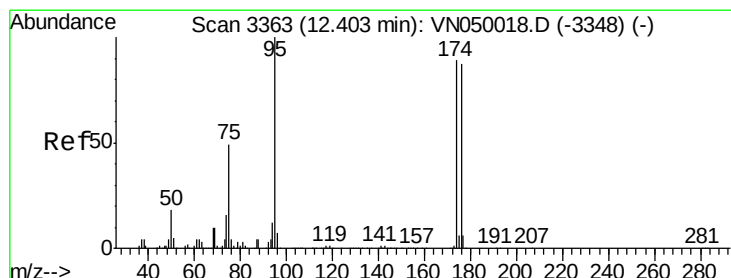
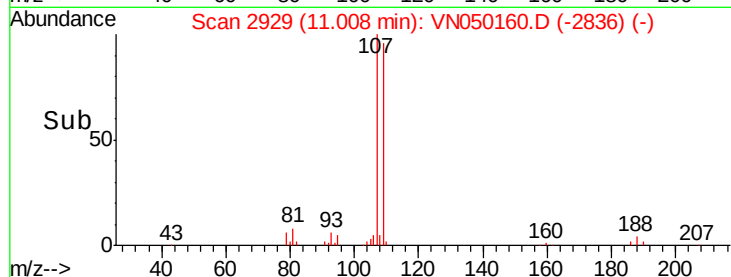
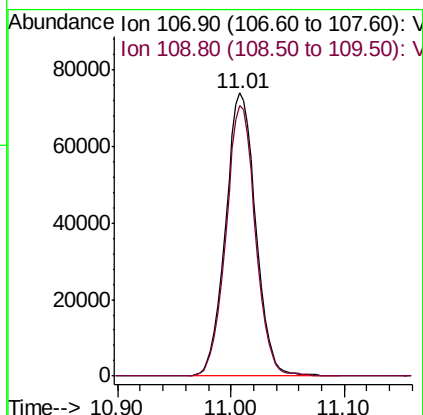
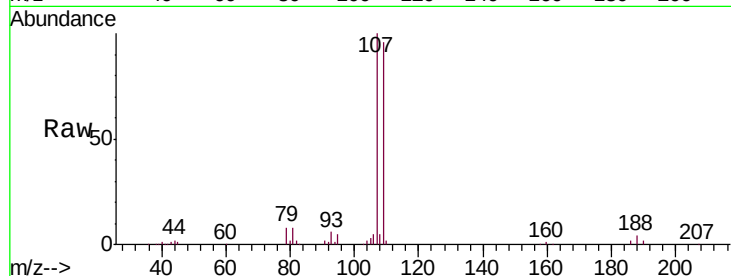




#61
1,2-Dibromoethane
Concen: 18.65 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

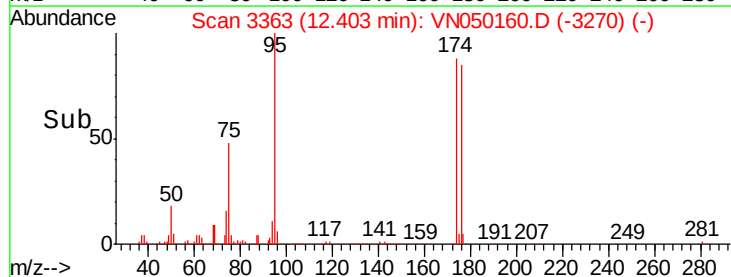
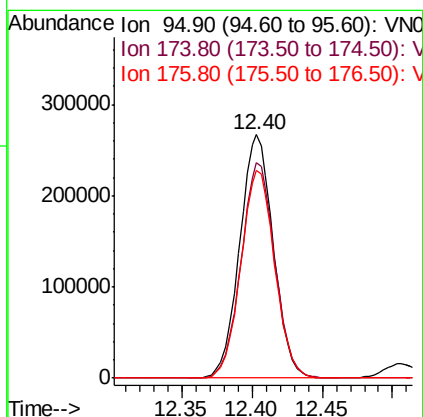
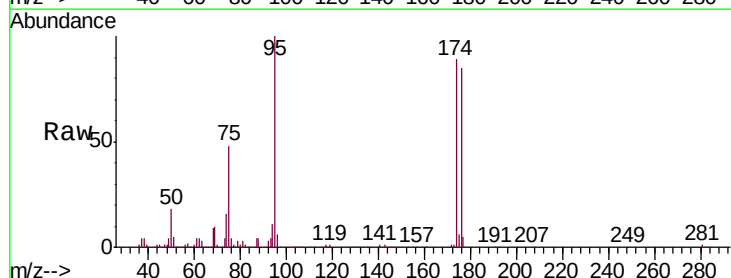
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

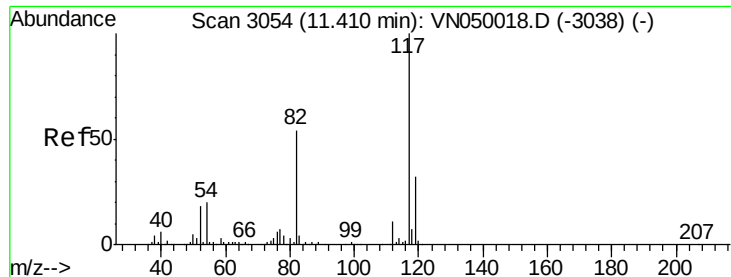
Tot Ion:107 Resp: 137022
Ion Ratio Lower Upper
107 100
109 93.4 74.6 112.0



#62
4-Bromofluorobenzene
Concen: 48.81 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion: 95 Resp: 444923
Ion Ratio Lower Upper
95 100
174 88.9 0.0 178.2
176 85.9 0.0 173.4

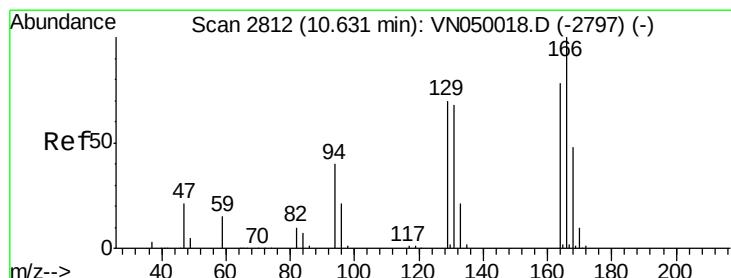
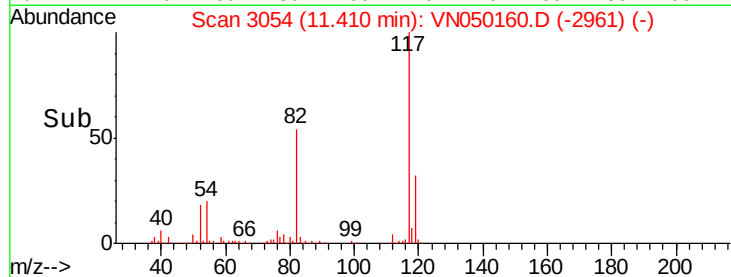
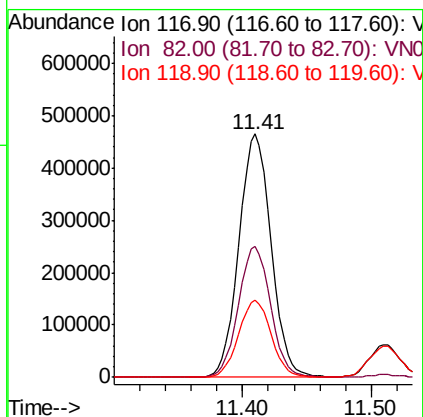
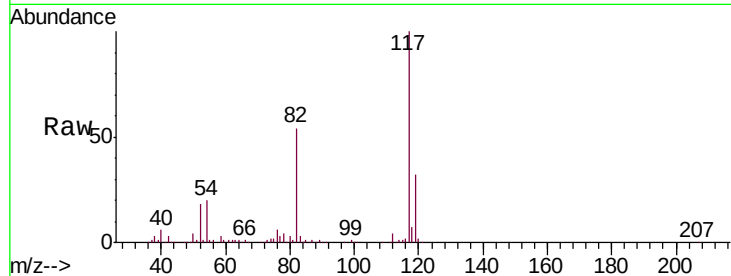




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

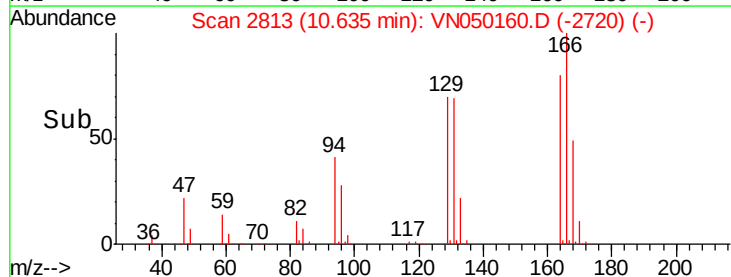
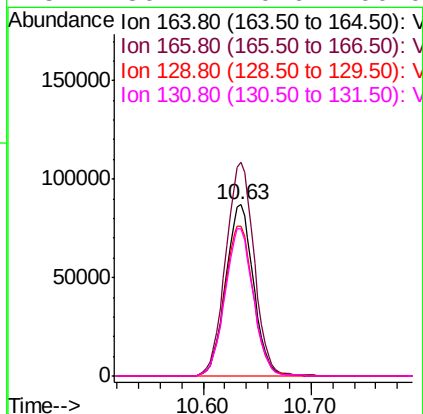
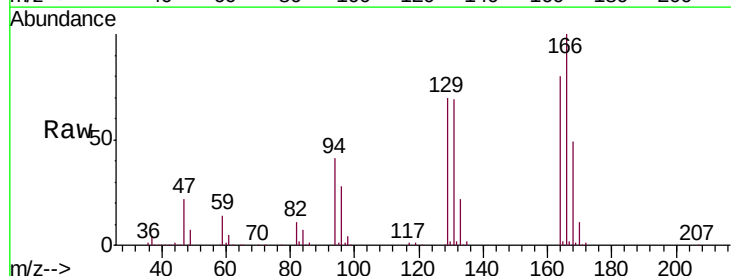
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

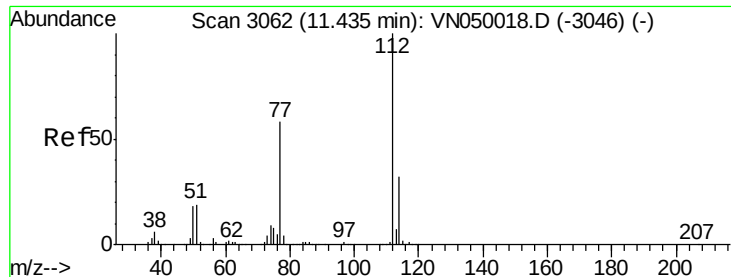
Tot Ion:117 Resp: 810062
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 31.6 26.1 39.1



#64
Tetrachloroethene
Concen: 20.07 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion:164 Resp: 156293
Ion Ratio Lower Upper
164 100
166 124.7 102.1 153.1
129 87.2 73.2 109.8
131 86.2 70.6 106.0

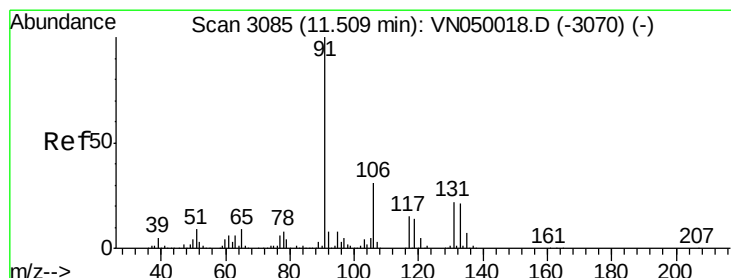
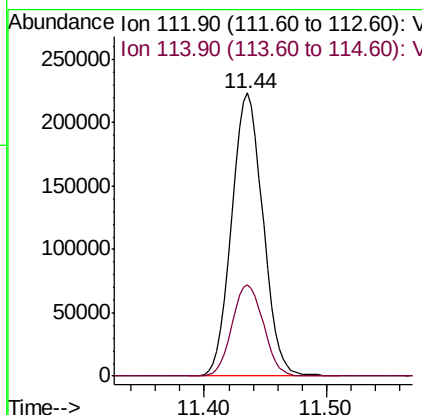
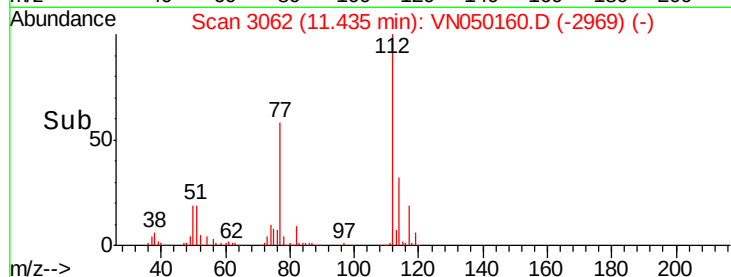
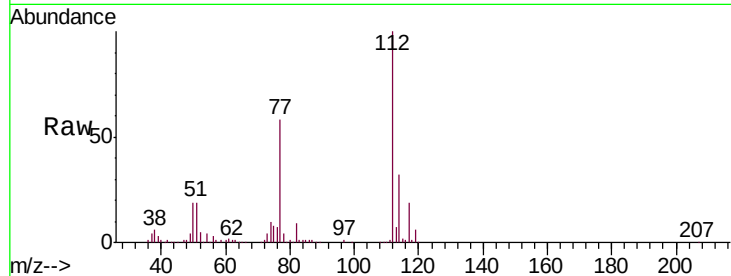




#65
Chlorobenzene
Concen: 19.50 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

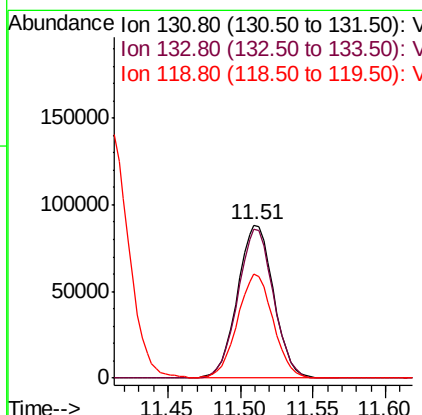
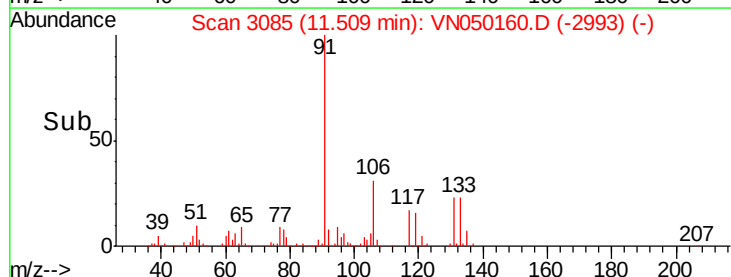
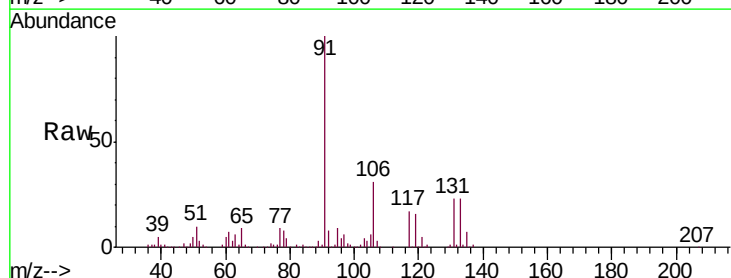
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

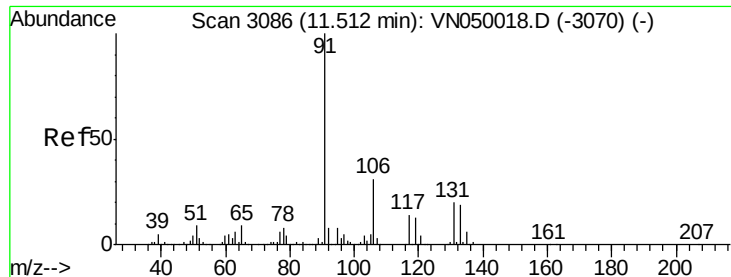
Tot Ion:112 Resp: 399082
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.47 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion:131 Resp: 153072
Ion Ratio Lower Upper
131 100
133 96.2 47.3 141.9
119 67.1 32.9 98.7





#67

Ethyl Benzene

Concen: 20.07 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

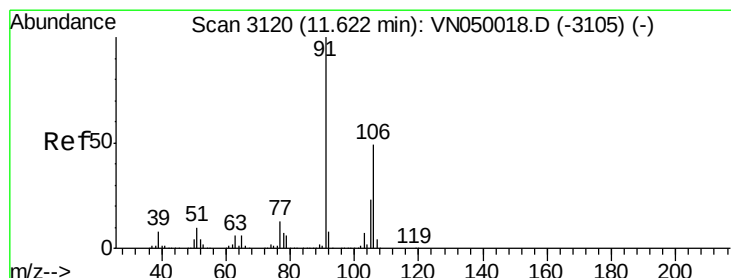
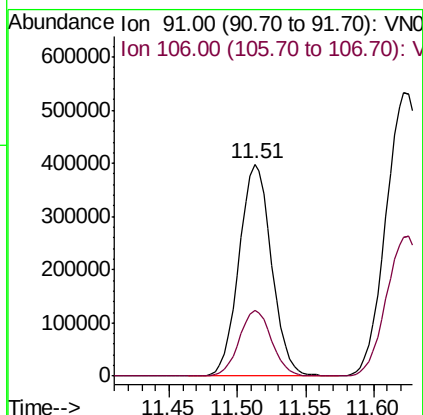
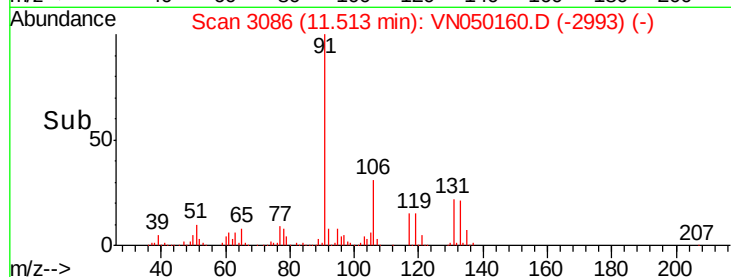
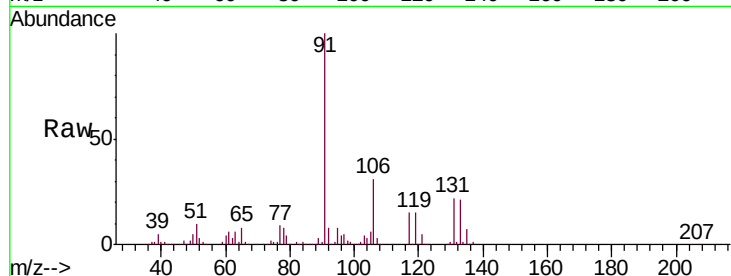
VN0727WBSD03

Tot Ion: 91 Resp: 659640

Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.4



#68

m/p-Xylenes

Concen: 40.97 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050160.D

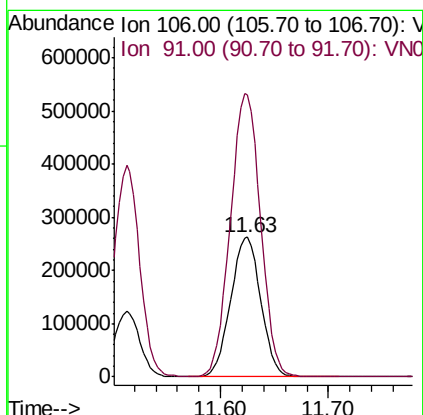
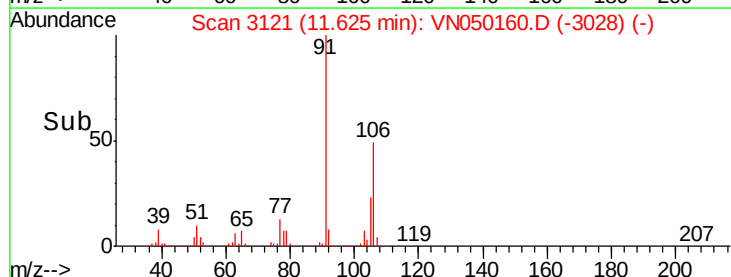
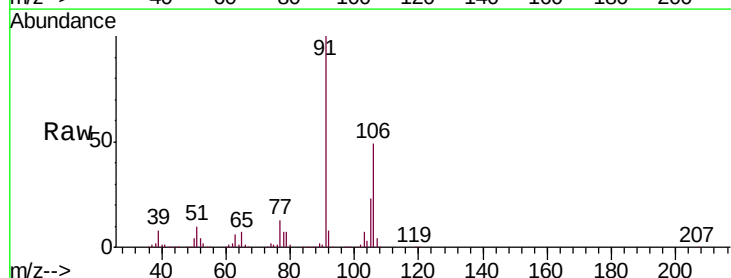
Acq: 28 Jul 2018 4:39

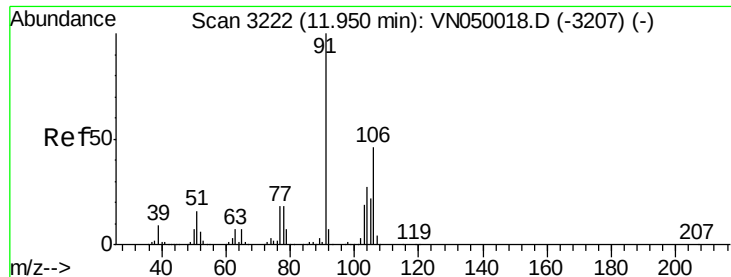
Tgt Ion: 106 Resp: 509400

Ion Ratio Lower Upper

106 100

91 203.6 162.2 243.2

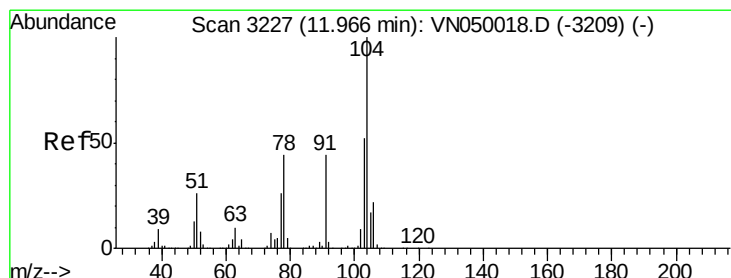
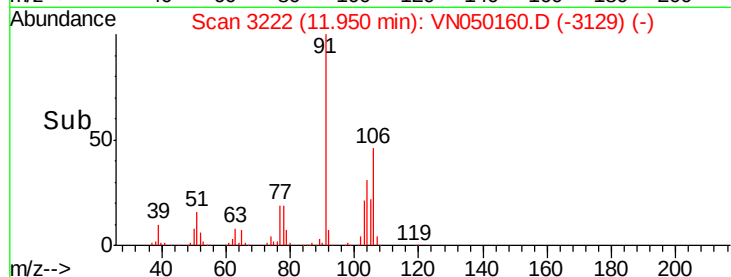
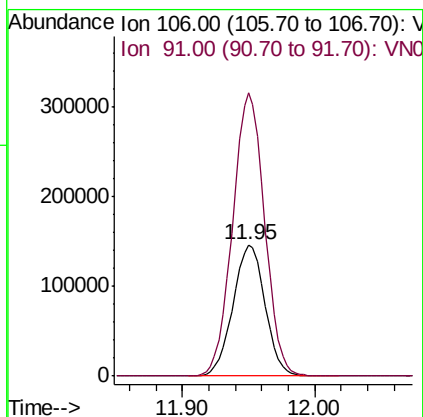
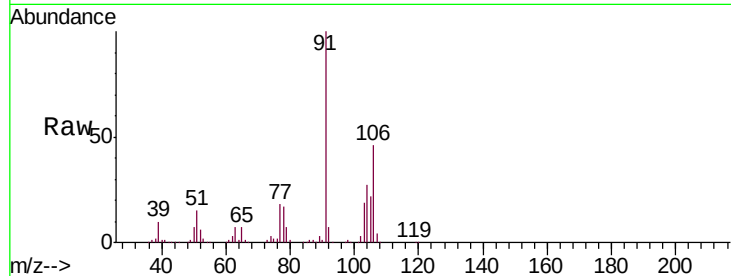




#69
o-Xylene
Concen: 20.66 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

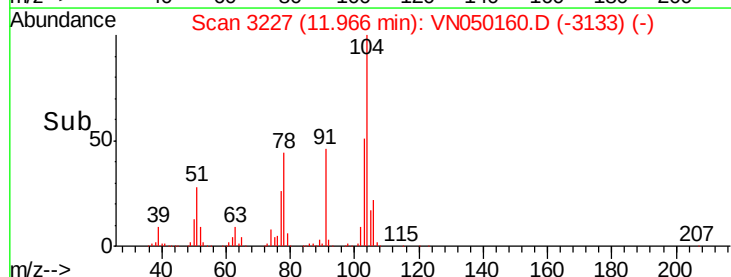
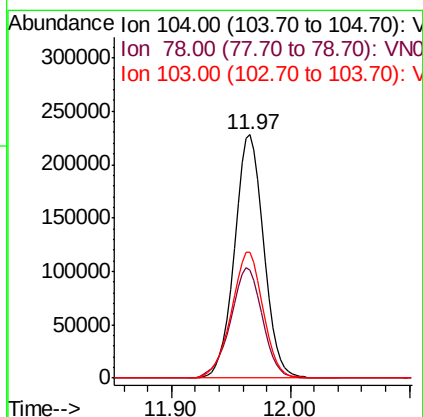
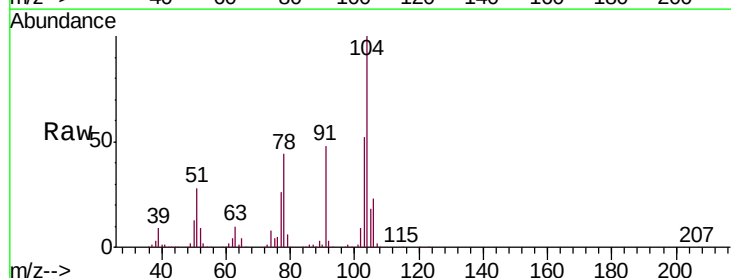
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

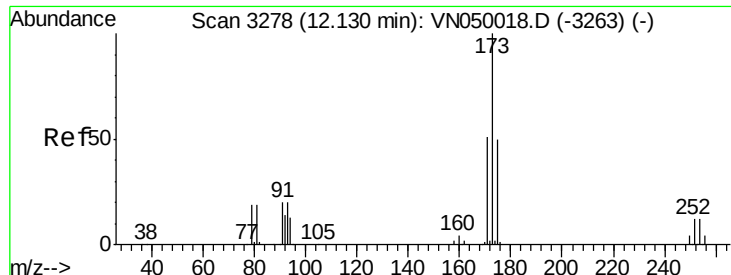
Tot Ion:106 Resp: 244893
Ion Ratio Lower Upper
106 100
91 215.2 107.7 323.1



#70
Styrene
Concen: 18.97 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion:104 Resp: 387553
Ion Ratio Lower Upper
104 100
78 49.7 39.3 58.9
103 56.2 45.0 67.6

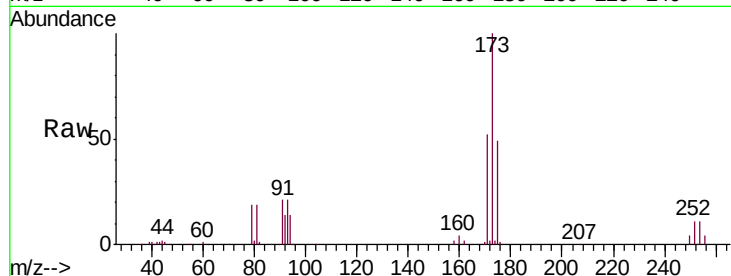




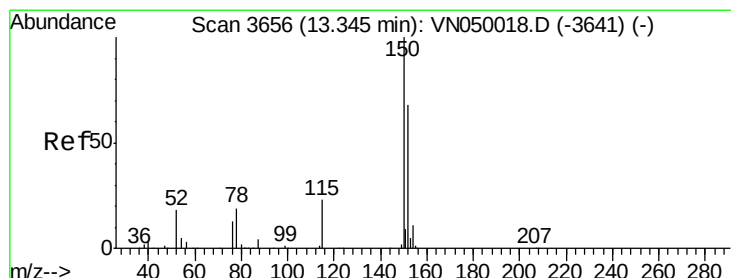
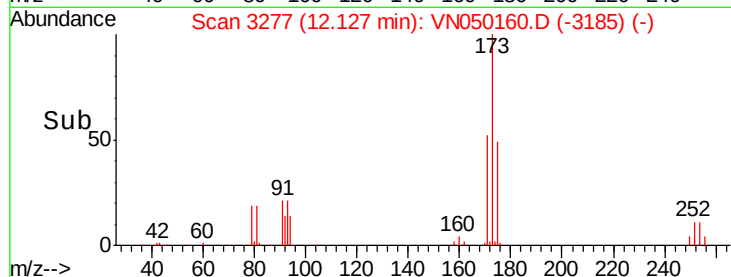
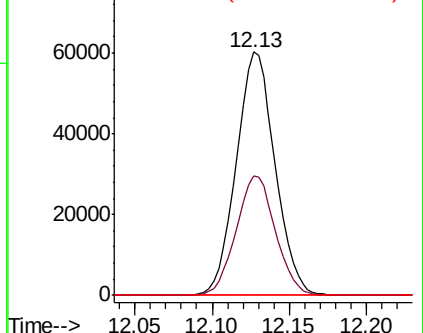
#71
Bromoform
Concen: 18.32 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion:173 Resp: 104793
Ion Ratio Lower Upper
173 100
175 49.6 24.1 72.2
254 0.0 0.2 0.2#

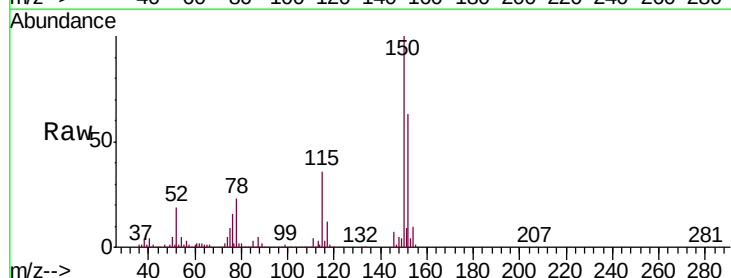


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

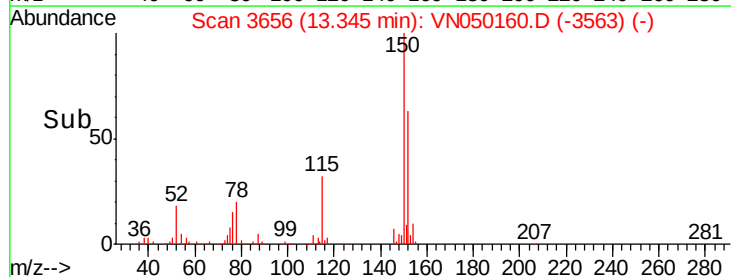
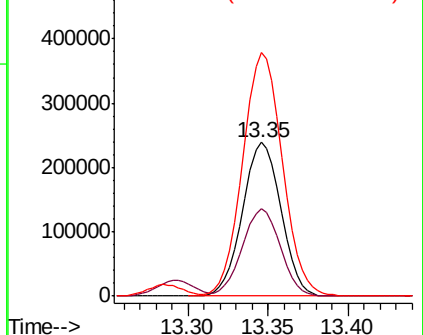


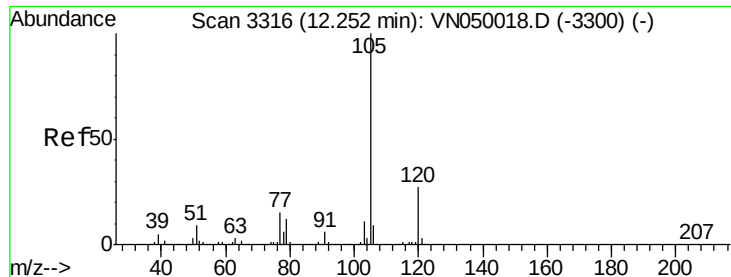
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion:152 Resp: 392126
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.3
150 164.0 0.0 348.6



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





#73

Isopropylbenzene

Concen: 21.38 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

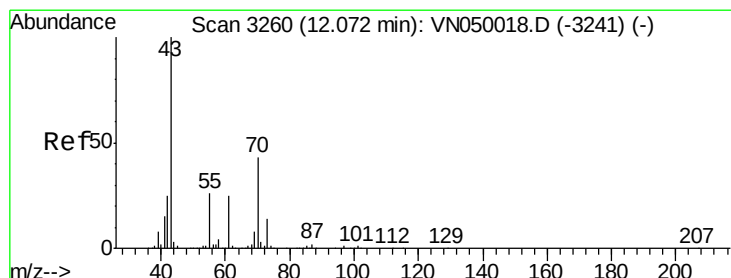
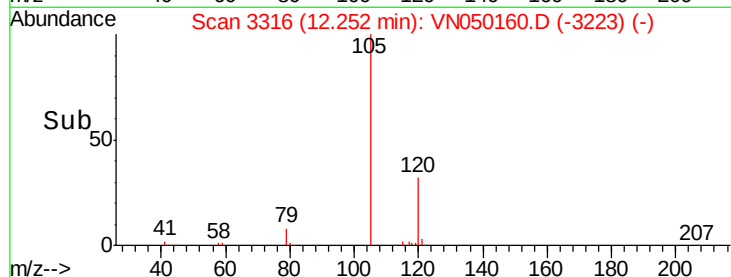
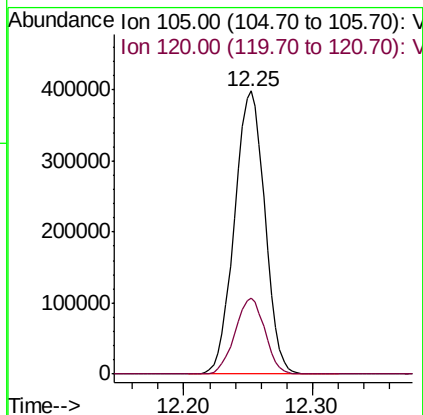
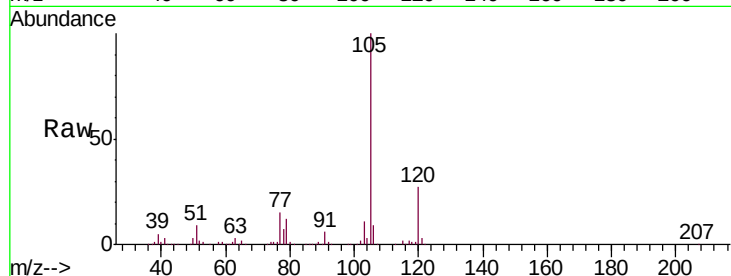
VN0727WBSD03

Tot Ion:105 Resp: 650206

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 18.47 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Tgt Ion: 43 Resp: 171679

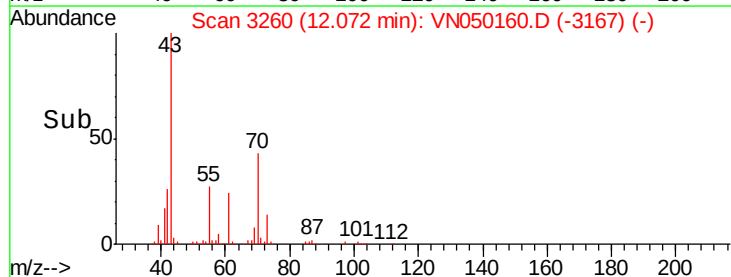
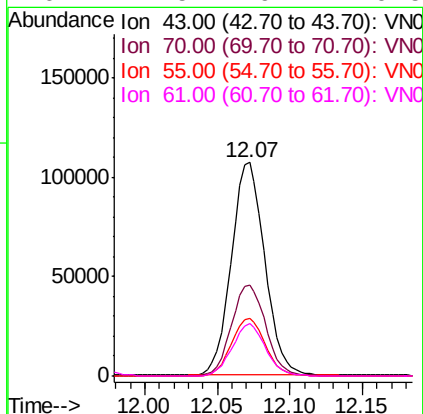
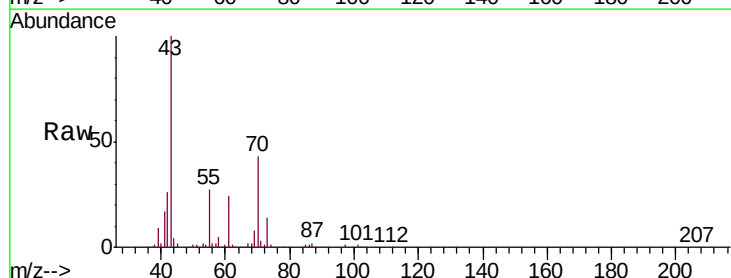
Ion Ratio Lower Upper

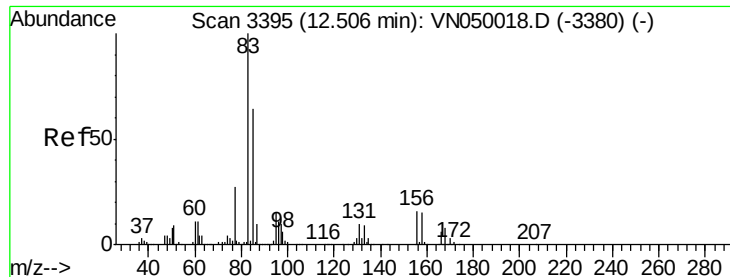
43 100

70 43.8 34.4 51.6

55 27.6 20.8 31.2

61 24.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.53 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

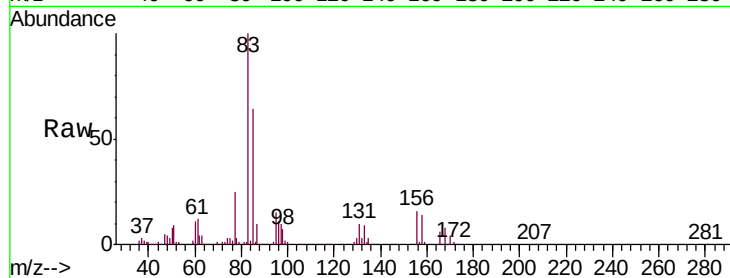
Tot Ion: 83 Resp: 175187

Ion Ratio Lower Upper

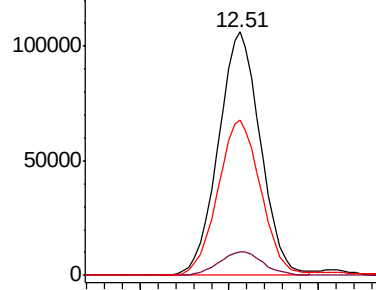
83 100

131 10.2 5.1 15.3

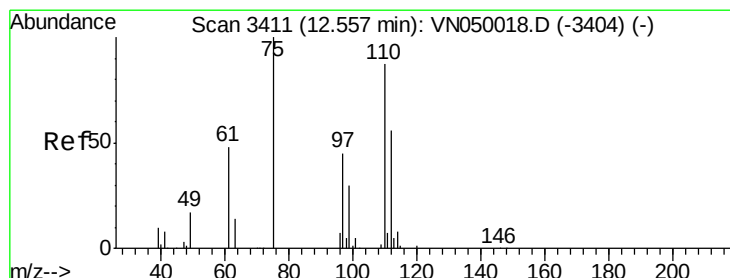
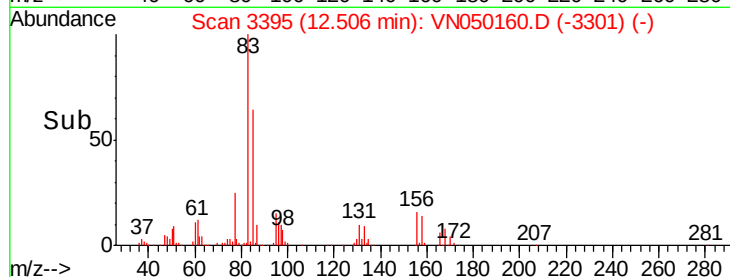
85 65.0 32.3 96.8



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



Time-->



#76

1,2,3-Trichloropropane

Concen: 27.86 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050160.D

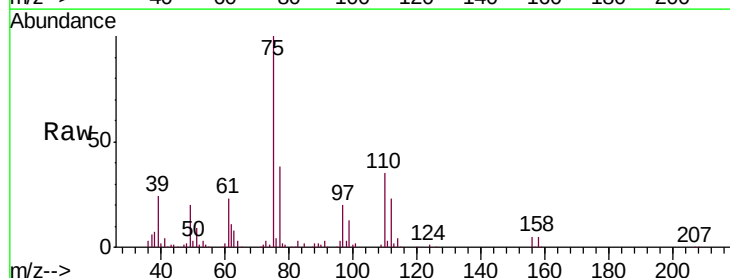
Acq: 28 Jul 2018 4:39

Tgt Ion: 75 Resp: 203013

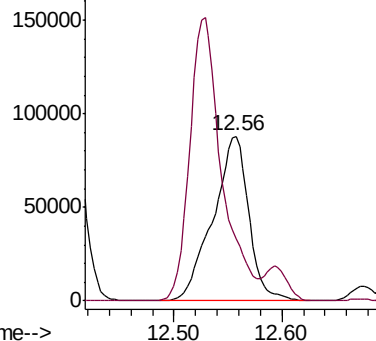
Ion Ratio Lower Upper

75 100

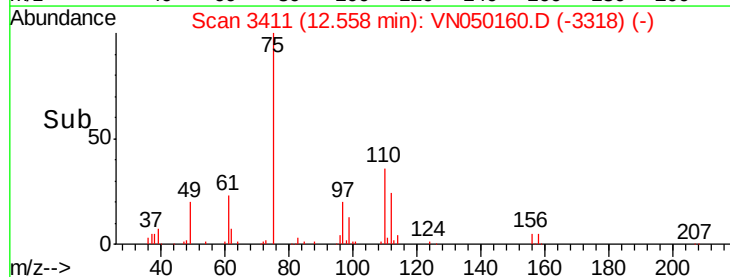
77 0.0 0.0 0.0

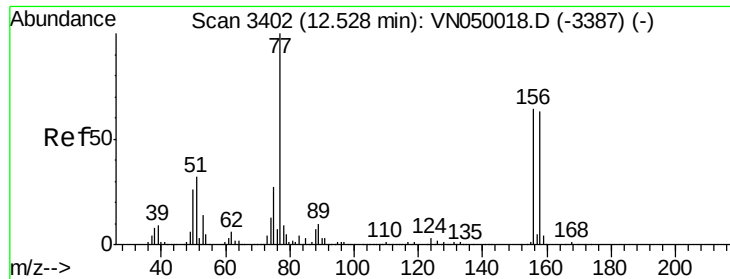


Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO



Time-->

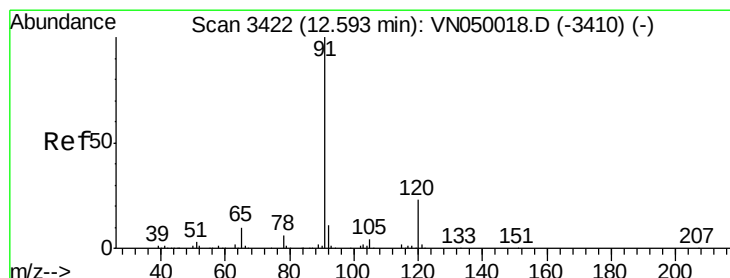
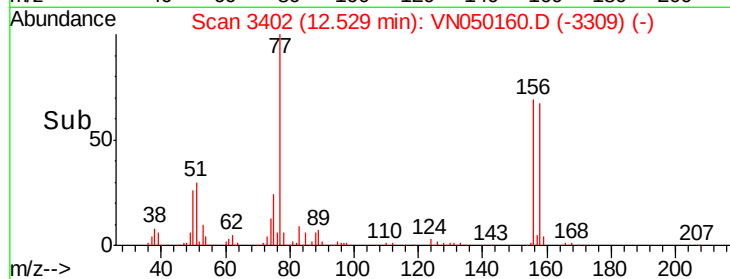
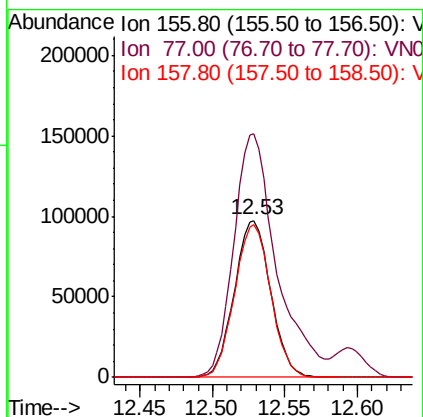
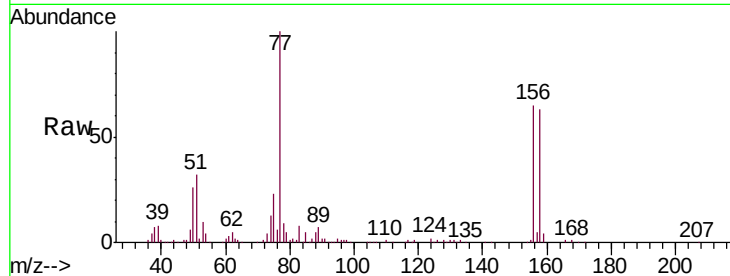




#77
Bromobenzene
Concen: 20.12 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

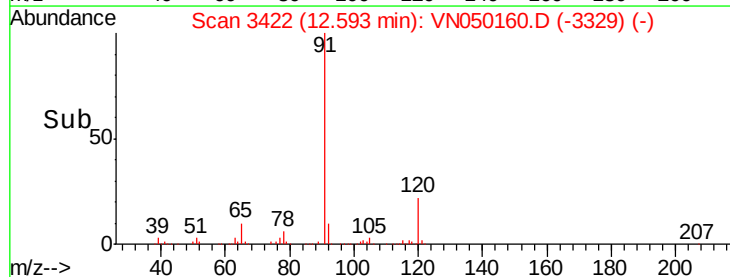
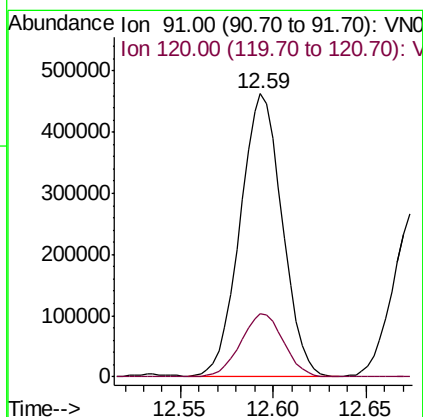
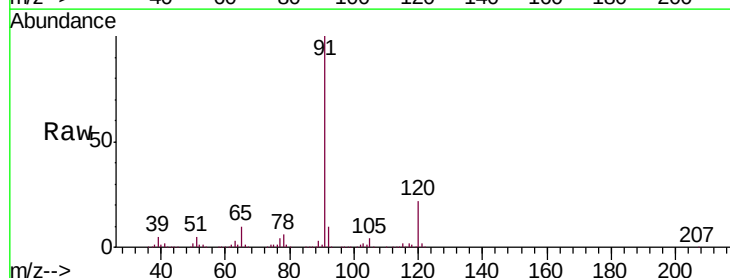
Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

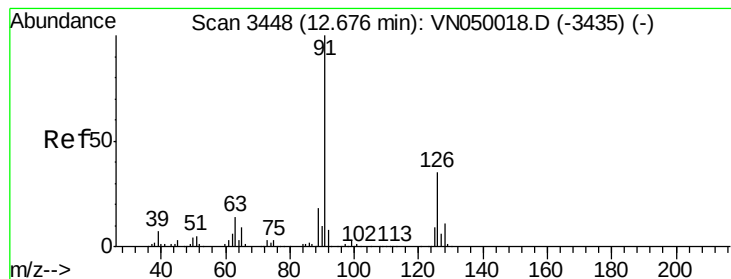
Tot Ion:156 Resp: 169615
Ion Ratio Lower Upper
156 100
77 183.2 91.7 275.1
158 96.9 48.9 146.6



#78
n-propylbenzene
Concen: 21.30 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion: 91 Resp: 724070
Ion Ratio Lower Upper
91 100
120 22.8 11.6 34.7





#79

2-Chlorotoluene

Concen: 21.48 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

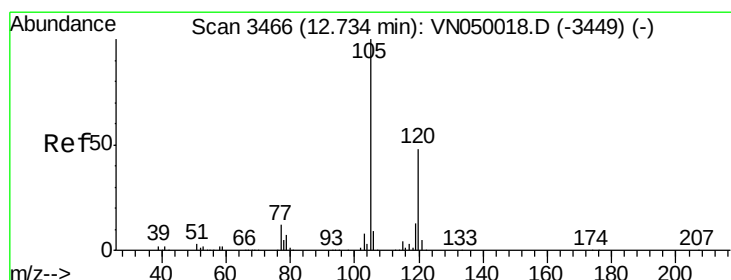
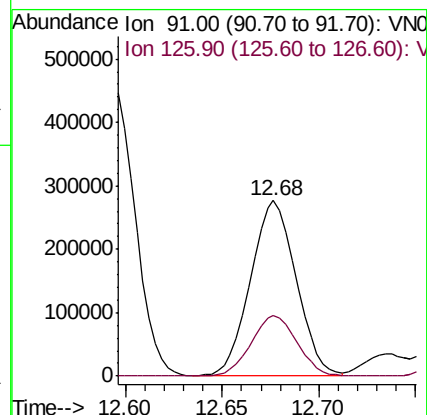
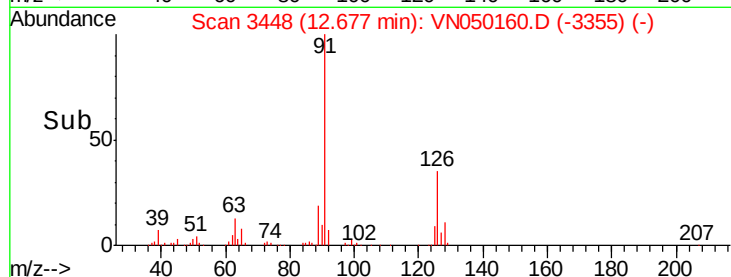
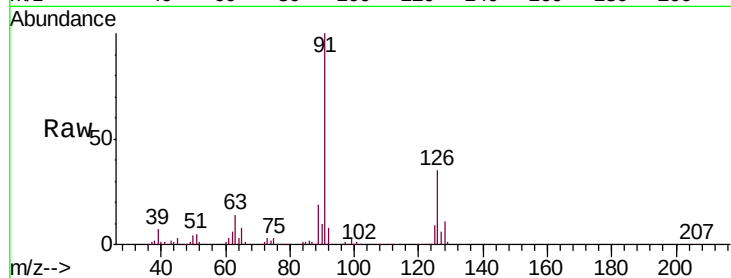
VN0727WBSD03

Tot Ion: 91 Resp: 452522

Ion Ratio Lower Upper

91 100

126 34.9 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 22.31 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050160.D

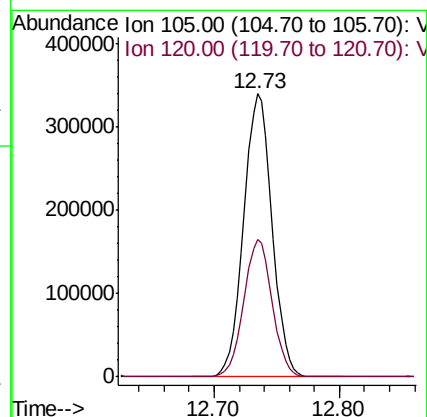
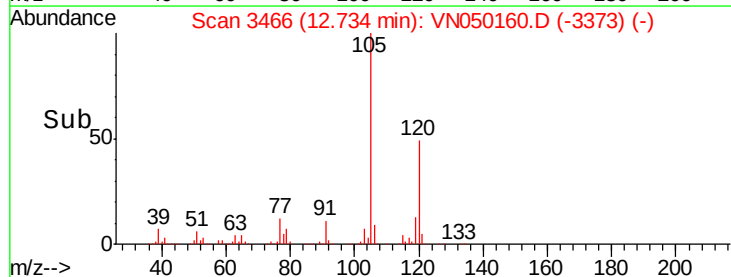
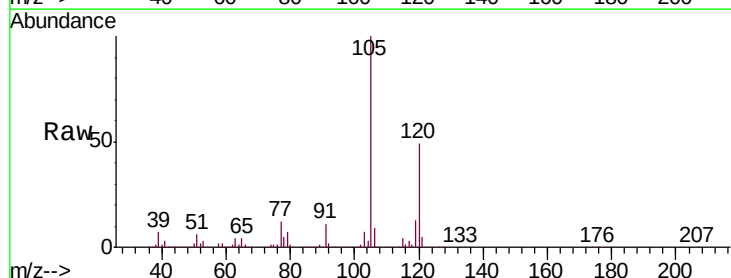
Acq: 28 Jul 2018 4:39

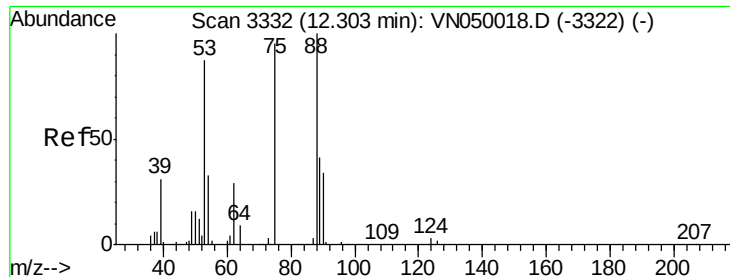
Tgt Ion: 105 Resp: 533708

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 15.36 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

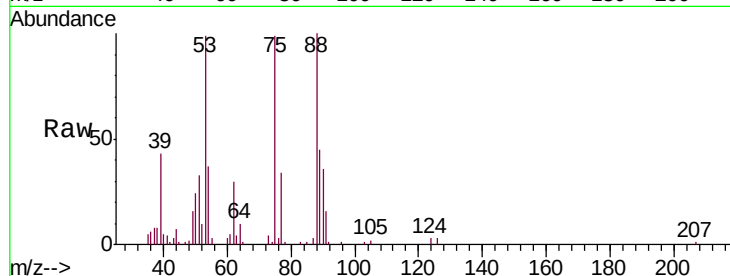
Tot Ion: 75 Resp: 35284

Ion Ratio Lower Upper

75 100

53 101.7 73.5 110.3

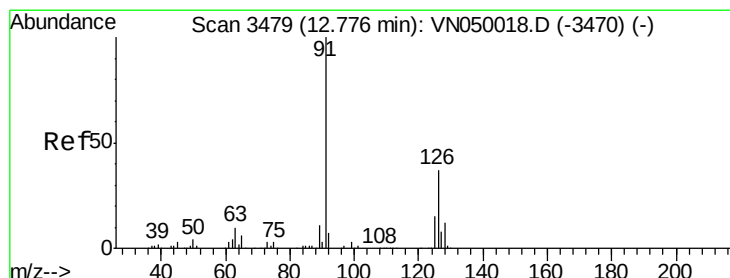
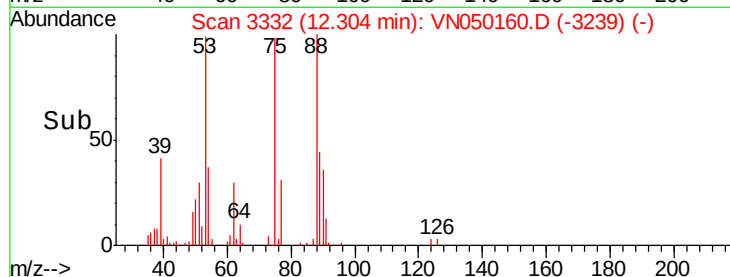
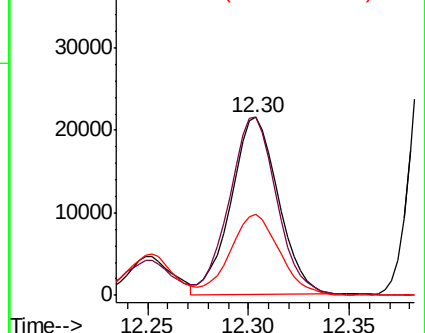
89 47.5 36.0 54.0



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: 20.96 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050160.D

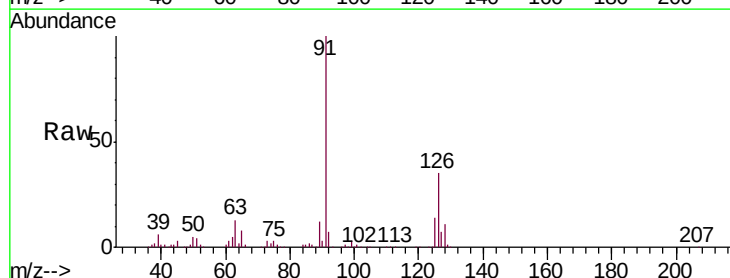
Acq: 28 Jul 2018 4:39

Tgt Ion: 91 Resp: 437404

Ion Ratio Lower Upper

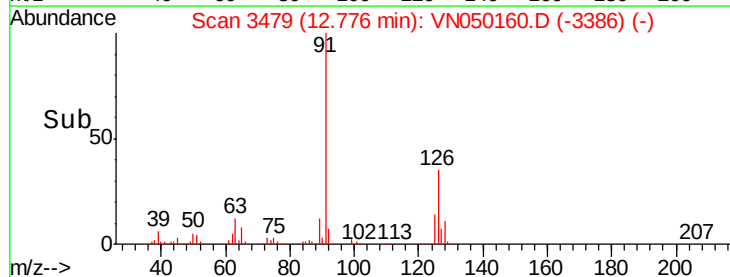
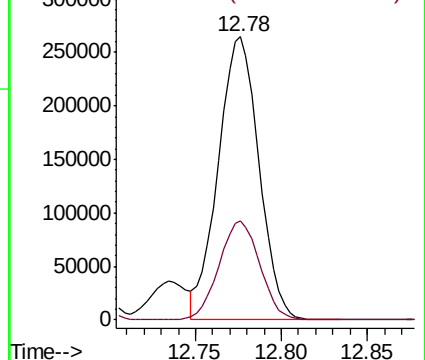
91 100

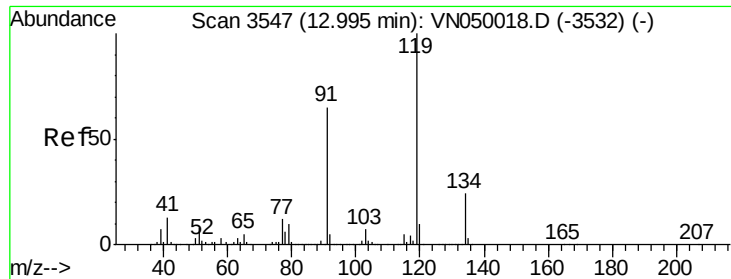
126 35.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

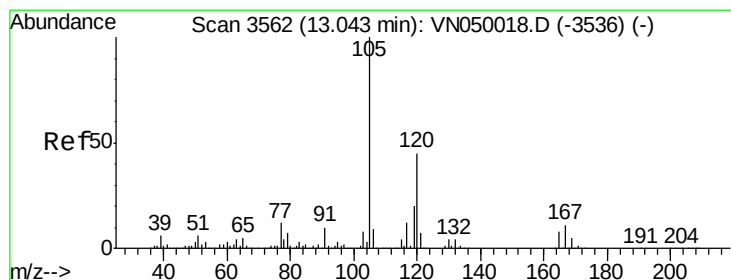
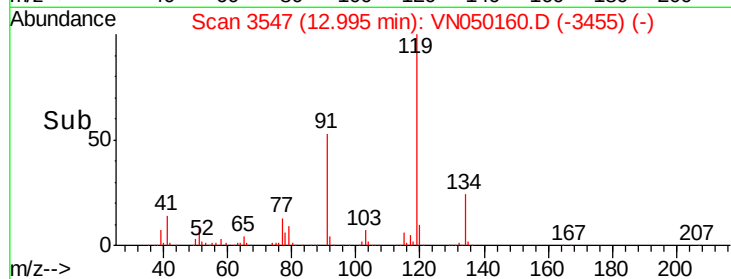
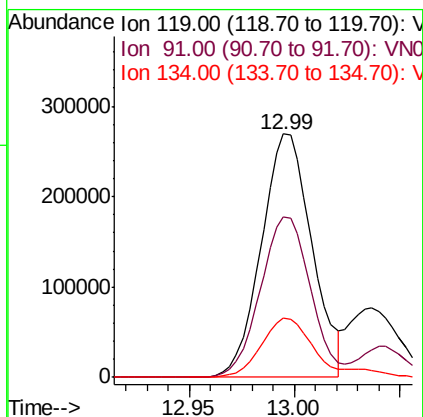
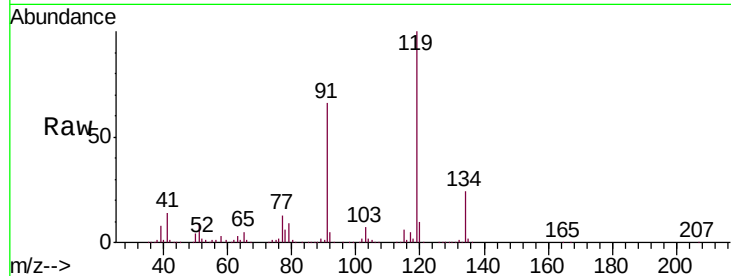




#83
 tert-Butylbenzene
 Concen: 21.55 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

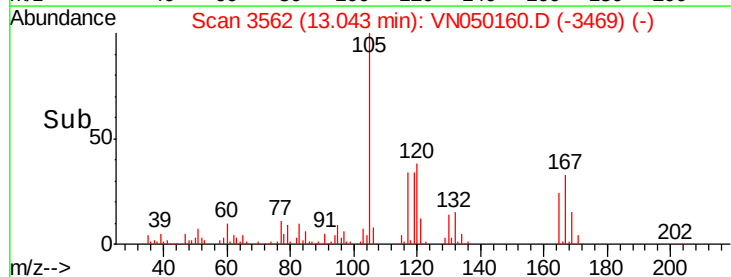
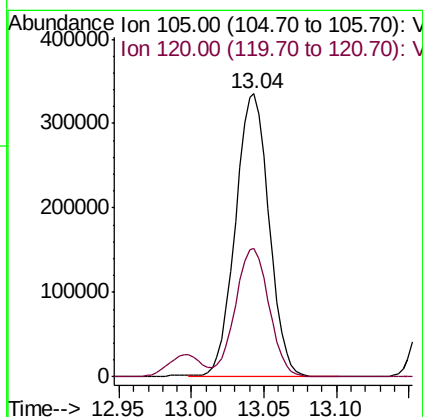
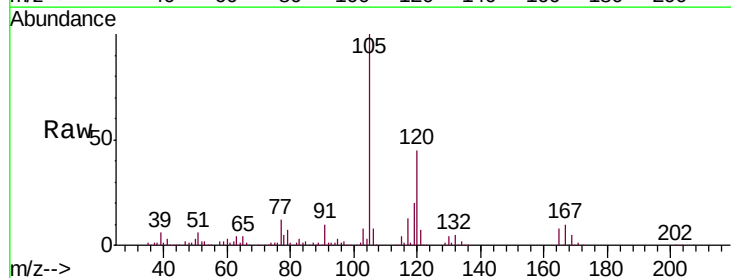
Instrument :
 MSVOA_N
 ClientSampled :
 VN0727WBSD03

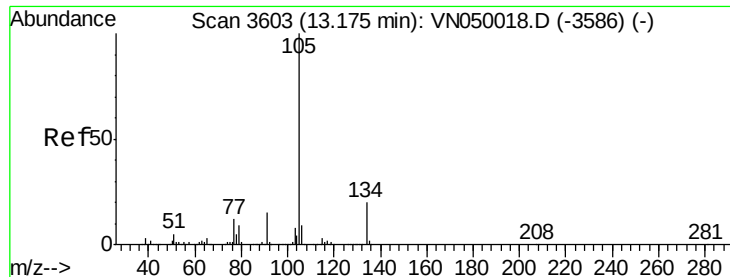
Tot Ion:119 Resp: 449934
 Ion Ratio Lower Upper
 119 100
 91 65.2 32.1 96.3
 134 26.5 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.35 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion:105 Resp: 538971
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.7





#85

sec-Butylbenzene

Concen: 21.38 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

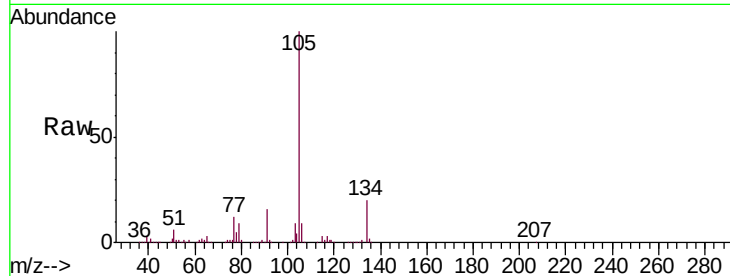
VN0727WBSD03

Tot Ion:105 Resp: 596283

Ion Ratio Lower Upper

105 100

134 20.2 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

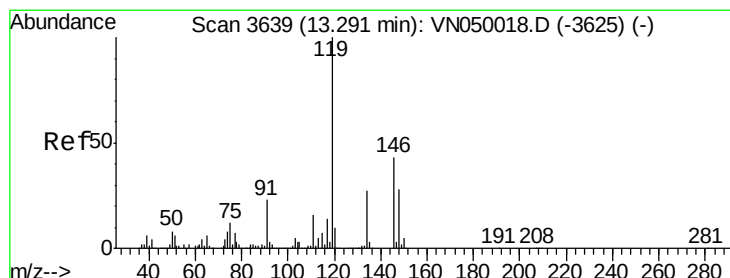
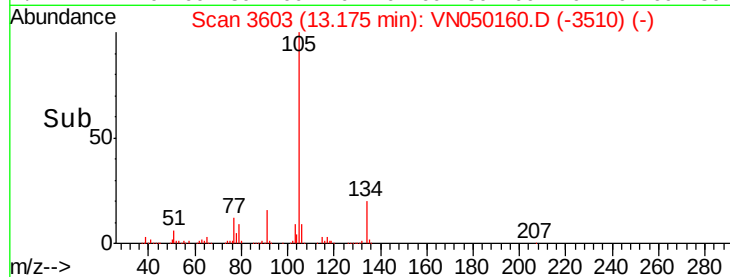
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.50 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

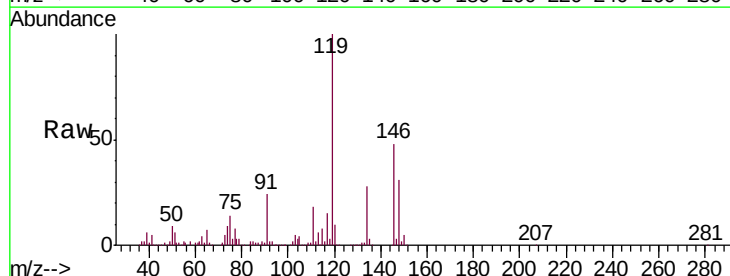
Tgt Ion:119 Resp: 505228

Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.8

91 23.0 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

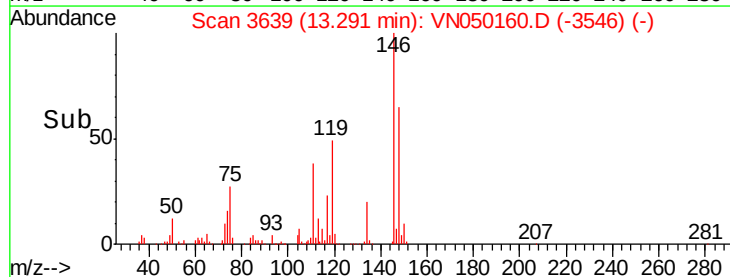
300000

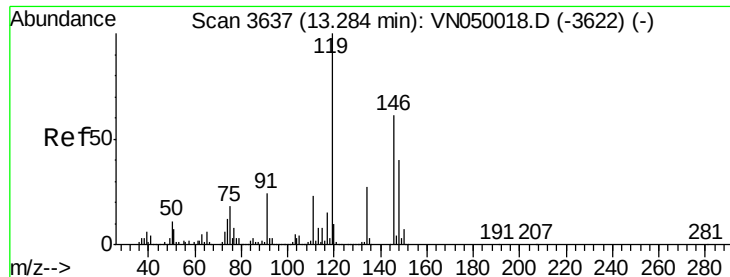
200000

100000

0

Time-->

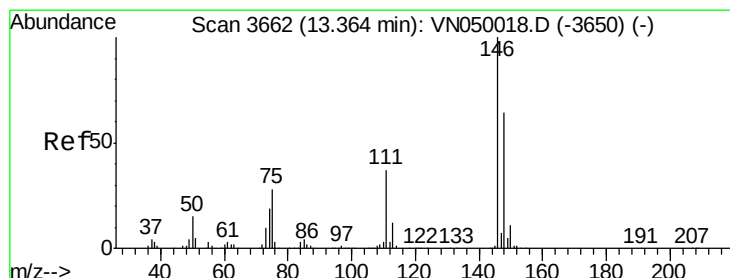
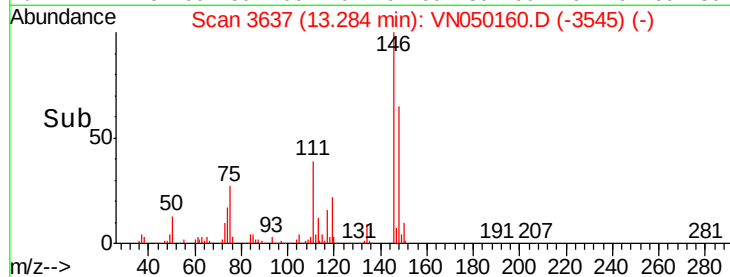
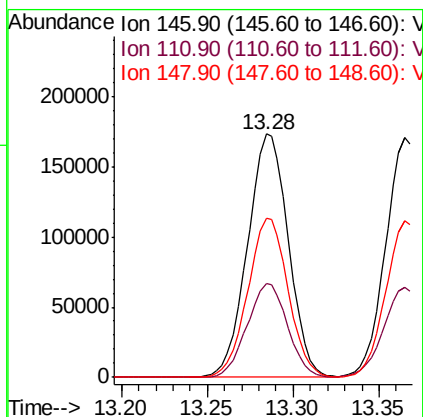
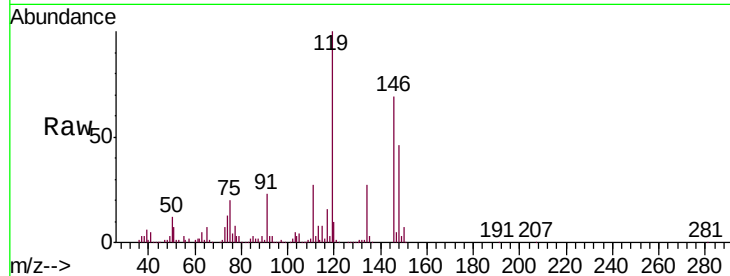




#87
 1,3-Dichlorobenzene
 Concen: 19.92 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

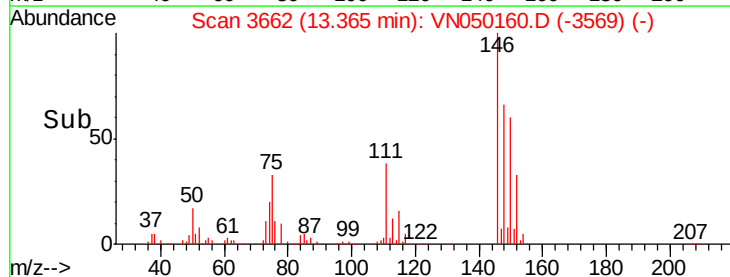
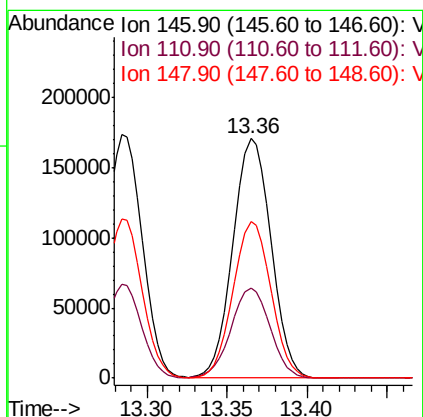
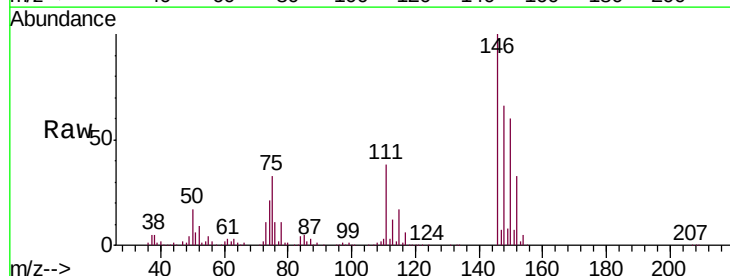
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

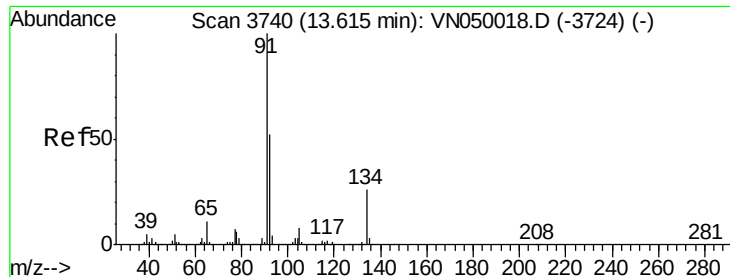
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	64.6	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.97 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.3	54.9
148	64.8	31.9	95.9





#89

n-Butylbenzene

Concen: 19.98 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050160.D

Acq: 28 Jul 2018 4:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBSD03

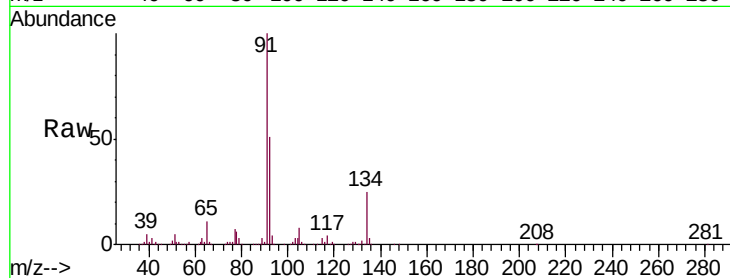
Tot Ion: 91 Resp: 386187

Ion Ratio Lower Upper

91 100

92 50.4 25.8 77.4

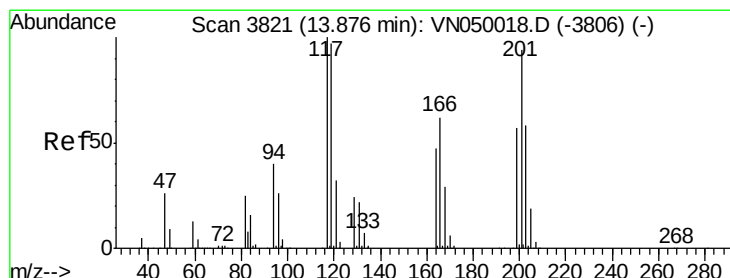
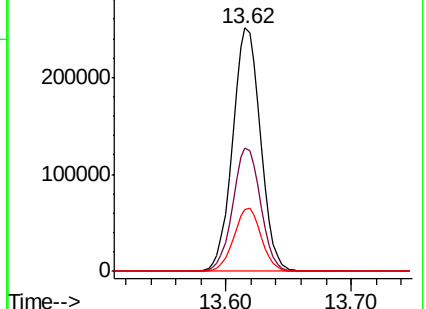
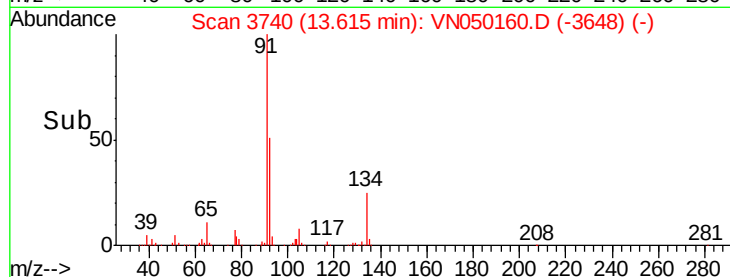
134 25.5 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN050160.D (-3648) (-)

Ion 92.00 (91.70 to 92.70): VN050160.D (-3648) (-)

Ion 134.00 (133.70 to 134.70): VN050160.D (-3648) (-)



#90

Hexachloroethane

Concen: 19.21 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050160.D

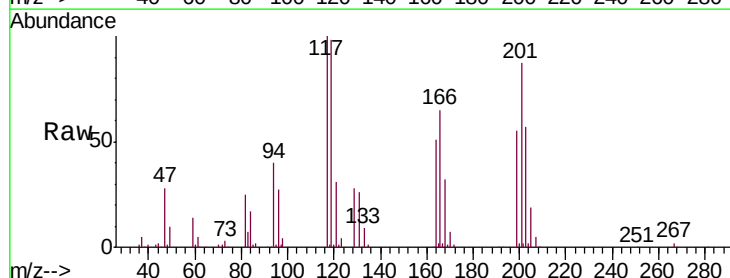
Acq: 28 Jul 2018 4:39

Tgt Ion: 117 Resp: 100265

Ion Ratio Lower Upper

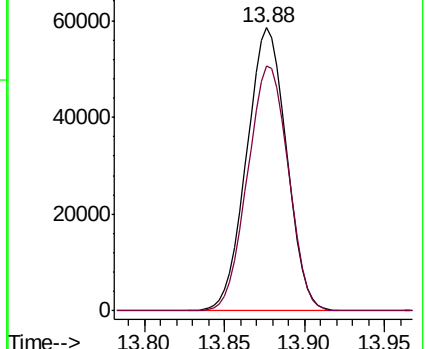
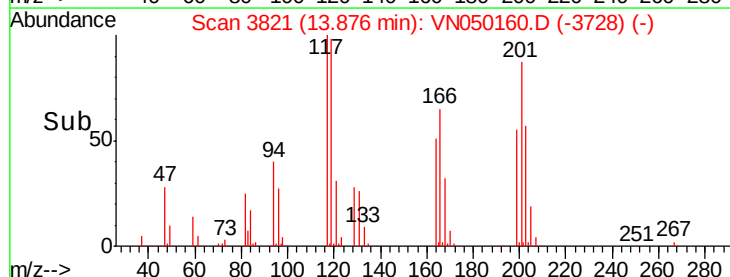
117 100

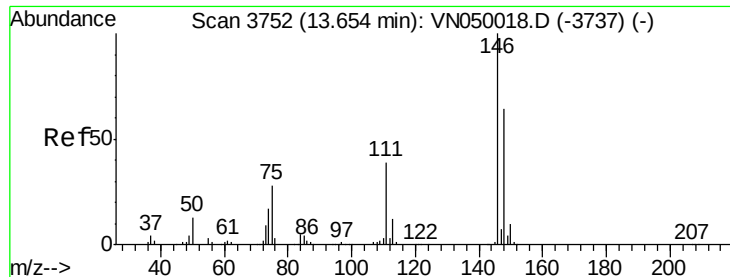
201 88.3 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): VN050160.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN050160.D (-3728) (-)

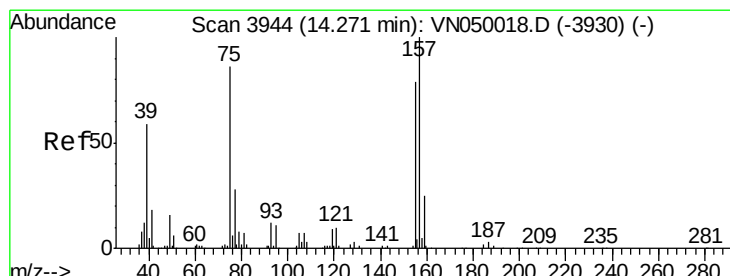
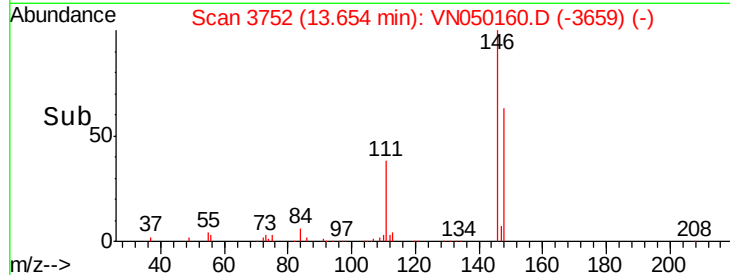
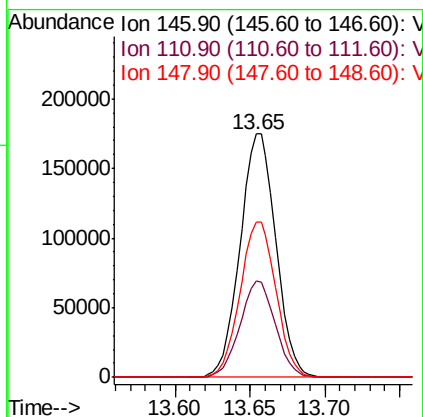
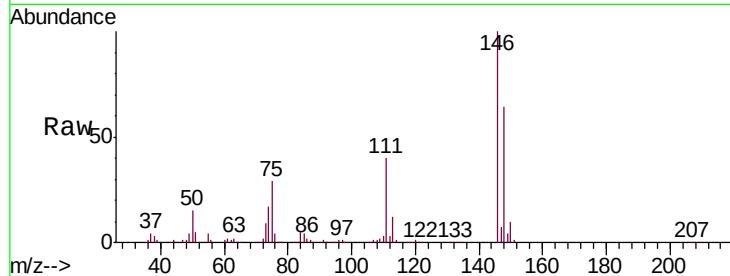




#91
 1,2-Dichlorobenzene
 Concen: 20.37 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

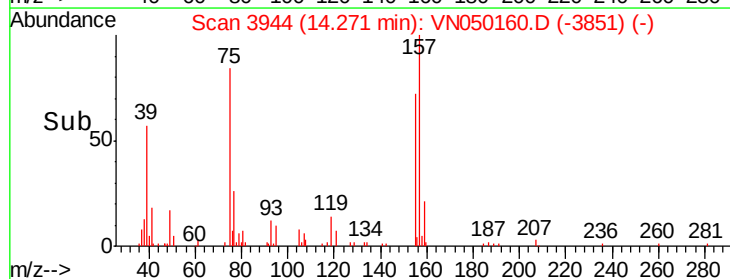
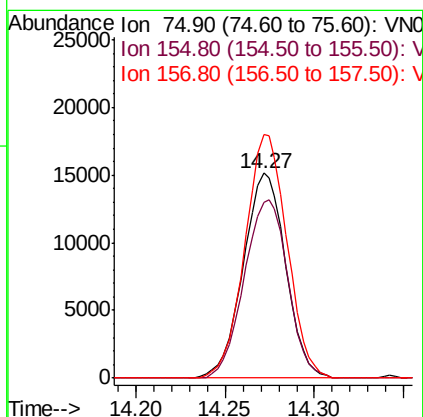
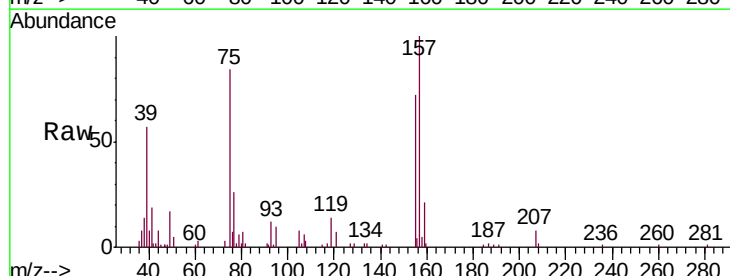
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

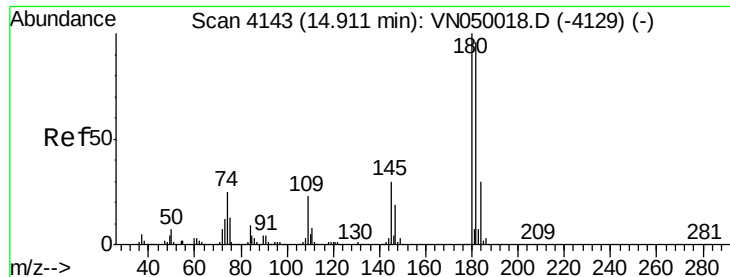
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	64.0	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.15 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	44.8	134.4
157	117.6	57.2	171.6

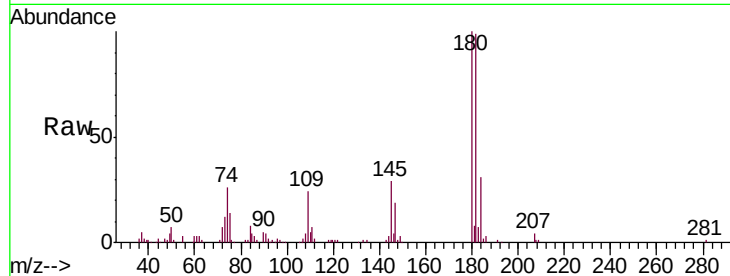




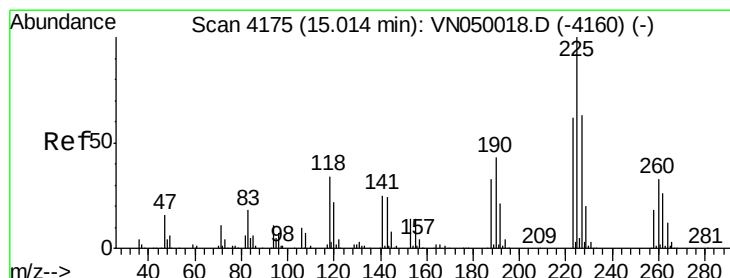
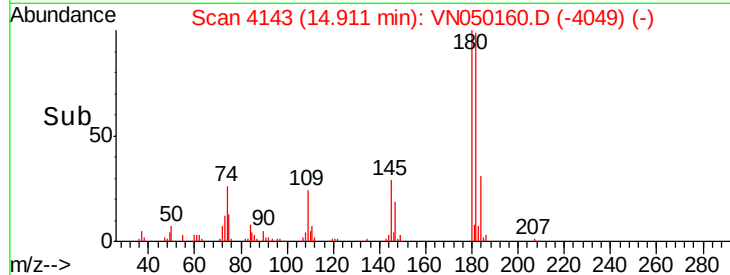
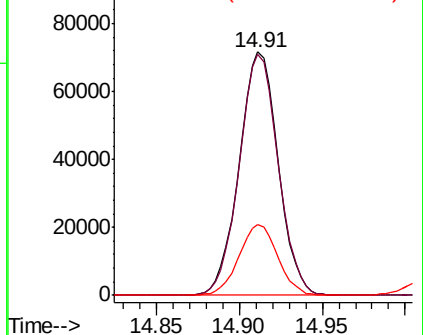
#93
 1,2,4-Trichlorobenzene
 Concen: 17.61 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBSD03

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	46.7	140.1
145	29.0	13.8	41.4

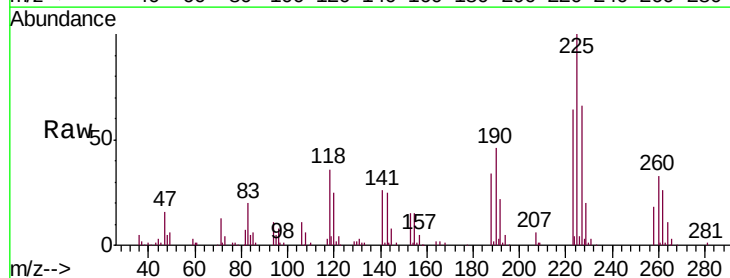


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

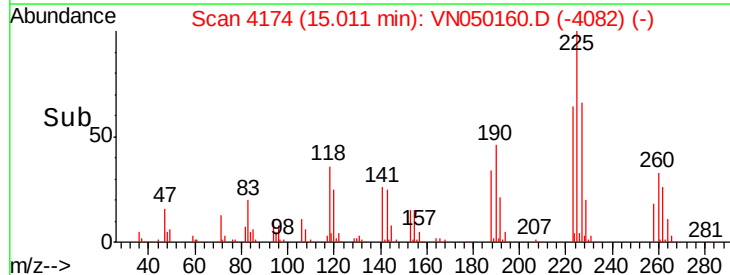
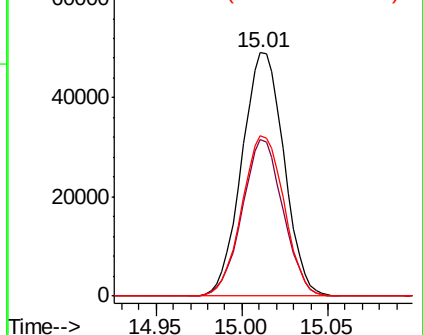


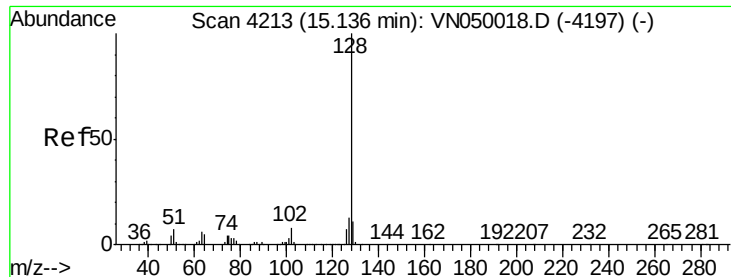
#94
 Hexachlorobutadiene
 Concen: 19.07 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050160.D
 Acq: 28 Jul 2018 4:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.4	94.2
227	65.9	32.1	96.5



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

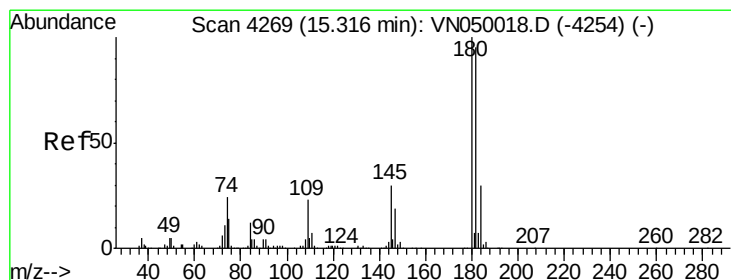
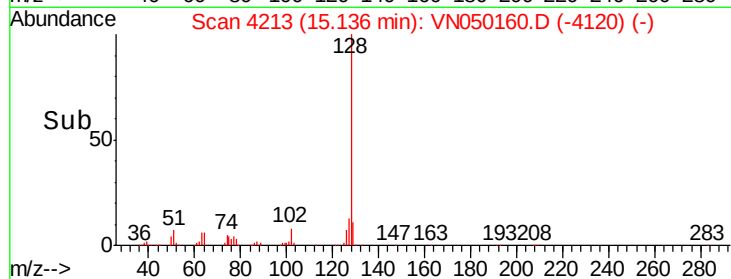
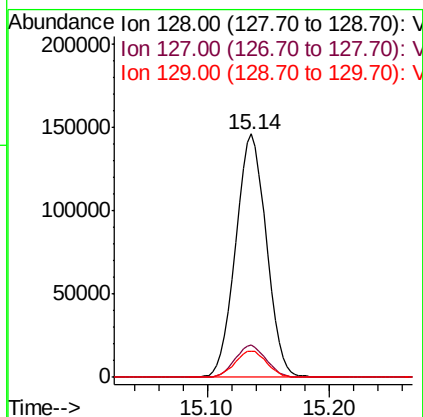
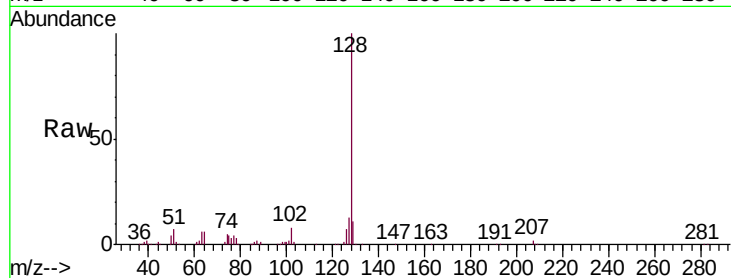




#95
Naphthalene
Concen: 17.33 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBSD03

Tot Ion:128 Resp: 253752
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.35 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050160.D
Acq: 28 Jul 2018 4:39

Tgt Ion:180 Resp: 124641
Ion Ratio Lower Upper
180 100
182 98.7 48.1 144.4
145 30.7 15.3 45.9

