

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050051.D
 Acq On : 25 Jul 2018 18:55
 Operator : MD\SY
 Sample : VN0725WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Quant Time: Jul 26 06:54:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	596353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	893928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	812620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406580	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	409340	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	7.59	113	358641	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
50) Toluene-d8	10.09	98	1314706	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.40	95	422744	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	166689	19.45	ug/l	100
3) Chloromethane	2.06	50	178764	19.19	ug/l	98
4) Vinyl Chloride	2.18	62	189658	19.34	ug/l	98
5) Bromomethane	2.56	94	118827	21.24	ug/l	97
6) Chloroethane	2.70	64	108775	18.47	ug/l	97
7) Trichlorofluoromethane	3.01	101	241545	19.01	ug/l	99
8) Diethyl Ether	3.41	74	82038	19.37	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	138986	18.19	ug/l	99
10) Methyl Iodide	3.95	142	172685	17.61	ug/l	99
11) Tert butyl alcohol	4.80	59	59417	97.05	ug/l	98
12) 1,1-Dichloroethene	3.73	96	129735	18.88	ug/l	98
13) Acrolein	3.61	56	34023	69.17	ug/l	98
14) Allyl chloride	4.32	41	199924	18.76	ug/l	99
15) Acrylonitrile	5.00	53	256479	96.02	ug/l	100
16) Acetone	3.82	43	194348	96.50	ug/l	99
17) Carbon Disulfide	4.05	76	384364	18.25	ug/l	100
18) Methyl Acetate	4.33	43	160635	20.10	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	362979	19.82	ug/l	99
20) Methylene Chloride	4.55	84	151760	19.81	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	140341	19.27	ug/l	100
22) Diisopropyl ether	5.96	45	429387	20.32	ug/l	95
23) Vinyl Acetate	5.90	43	1436400	96.18	ug/l	100
24) 1,1-Dichloroethane	5.85	63	265789	19.23	ug/l	99
25) 2-Butanone	6.84	43	301124	94.88	ug/l	100
26) 2,2-Dichloropropane	6.83	77	192123	18.28	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	153799	19.62	ug/l	99
28) Bromochloromethane	7.20	49	122600	19.45	ug/l	99
29) Tetrahydrofuran	7.22	42	199437	97.25	ug/l	100
30) Chloroform	7.38	83	272696	19.34	ug/l	98
31) Cyclohexane	7.66	56	211886	18.45	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	232347	19.26	ug/l	100
36) 1,1-Dichloropropene	7.80	75	196085	19.47	ug/l	99
37) Ethyl Acetate	6.94	43	134653	19.18	ug/l	98
38) Carbon Tetrachloride	7.78	117	202769	18.97	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	185902	17.94	ug/l	99
40) Benzene	8.04	78	596379	19.46	ug/l	99
41) Methacrylonitrile	7.18	41	69113	20.61	ug/l	86
42) 1,2-Dichloroethane	8.13	62	198387	19.40	ug/l	100
43) Isopropyl Acetate	8.17	43	250114	18.18	ug/l	97
44) Trichloroethene	8.84	130	154324	18.74	ug/l	97
45) 1,2-Dichloropropane	9.12	63	157726	19.43	ug/l	100
46) Dibromomethane	9.21	93	97909	19.43	ug/l	98
47) Bromodichloromethane	9.41	83	202743	19.06	ug/l	99
48) Methyl methacrylate	9.20	41	116499	19.26	ug/l	100
49) 1,4-Dioxane	9.20	88	32423	393.97	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	681711	98.76	ug/l	99
52) Toluene	10.16	92	369017	20.40	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	192482	19.17	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	223036	19.44	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	142071	19.80	ug/l	99
56) Ethyl methacrylate	10.43	69	164865	18.30	ug/l	100
57) 1,3-Dichloropropane	10.71	76	231758	19.83	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	391664	91.83	ug/l	100
59) 2-Hexanone	10.76	43	443127	90.73	ug/l	99
60) Dibromochloromethane	10.90	129	156912	19.75	ug/l	99
61) 1,2-Dibromoethane	11.01	107	137622	19.33	ug/l	100
64) Tetrachloroethene	10.63	164	150582	19.27	ug/l	97
65) Chlorobenzene	11.44	112	390774	19.04	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	149060	18.90	ug/l	99
67) Ethyl Benzene	11.52	91	641958	19.47	ug/l	99
68) m/p-Xylenes	11.62	106	502171	40.26	ug/l	100
69) o-Xylene	11.95	106	238597	20.07	ug/l	97
70) Styrene	11.97	104	375594	18.36	ug/l	100
71) Bromoform	12.13	173	109087	19.01	ug/l #	100
73) Isopropylbenzene	12.25	105	630444	19.99	ug/l	100
74) N-amyl acetate	12.07	43	175908	18.25	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	178688	20.16	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	213480	28.25	ug/l #	100
77) Bromobenzene	12.53	156	166950	19.10	ug/l	99
78) n-propylbenzene	12.59	91	711830	20.20	ug/l	100
79) 2-Chlorotoluene	12.68	91	437978	20.05	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	520910	21.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43674	18.33	ug/l	94
82) 4-Chlorotoluene	12.78	91	438006	20.25	ug/l	100
83) tert-Butylbenzene	13.00	119	439063	20.28	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	535006	21.40	ug/l	98
85) sec-Butylbenzene	13.17	105	590312	20.41	ug/l	100
86) p-Isopropyltoluene	13.29	119	497363	20.41	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	286650	19.35	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	277801	19.24	ug/l	99
89) n-Butylbenzene	13.62	91	376720	18.80	ug/l	99
90) Hexachloroethane	13.88	117	99903	18.46	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	287960	19.44	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27420	19.01	ug/l	99

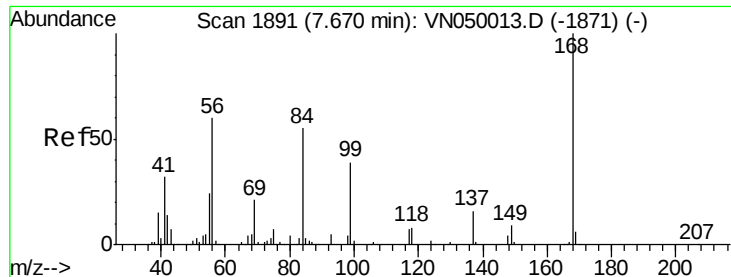
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
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Quant Title : SW846 8260
QLast Update : Tue Jul 24 06:27:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116837	17.04	ug/l	97
94) Hexachlorobutadiene	15.01	225	86574	19.10	ug/l	97
95) Naphthalene	15.14	128	242225	16.31	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	124766	17.80	ug/l	97

(#) = 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: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

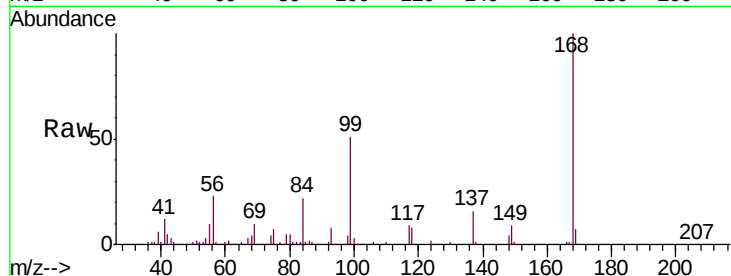
VN0725WBS02

Tot Ion:168 Resp: 596353

Ion Ratio Lower Upper

168 100

99 51.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050013.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050013.D (-1871) (-)

7.67

250000

200000

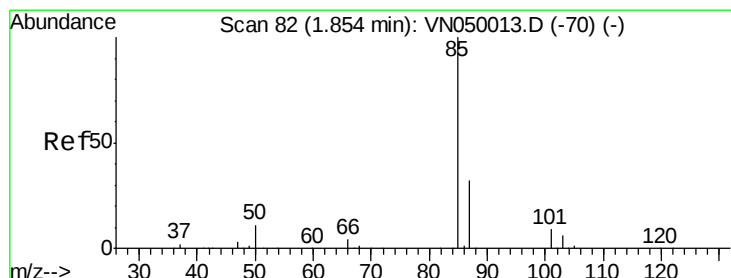
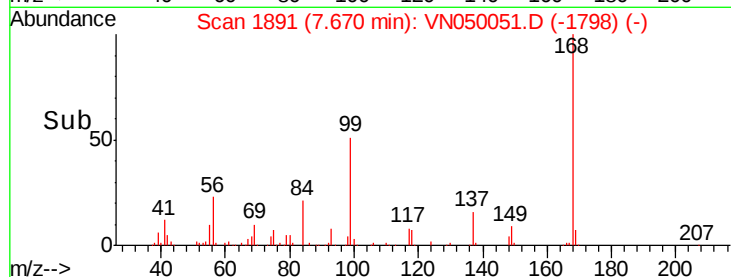
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.45 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050051.D

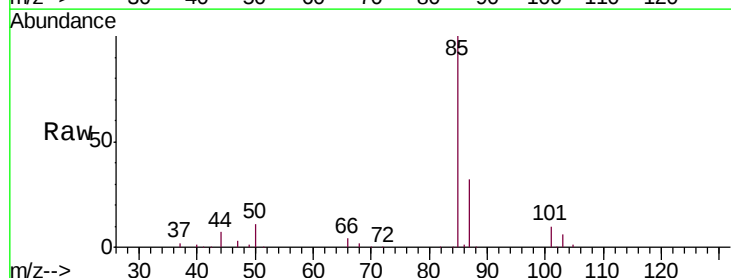
Acq: 25 Jul 2018 18:55

Tgt Ion: 85 Resp: 166689

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN050013.D (-70) (-)

Ion 86.90 (86.60 to 87.60): VN050013.D (-70) (-)

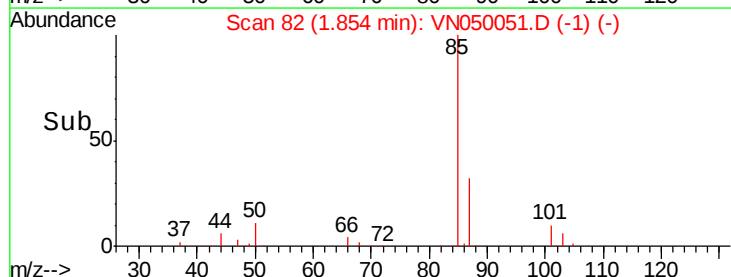
1.85

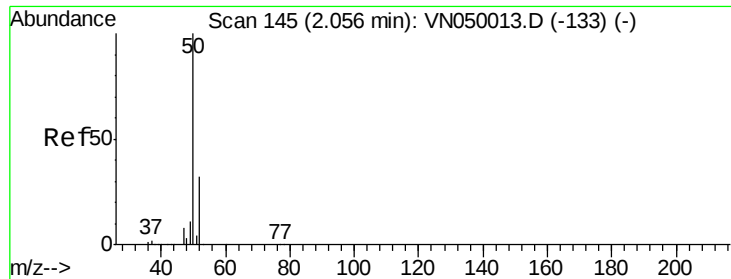
100000

50000

0

Time-->





#3

Chloromethane

Concen: 19.19 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

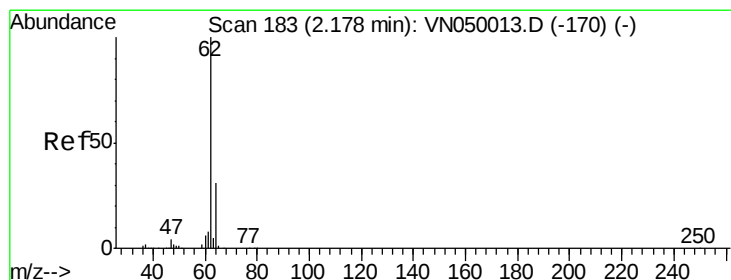
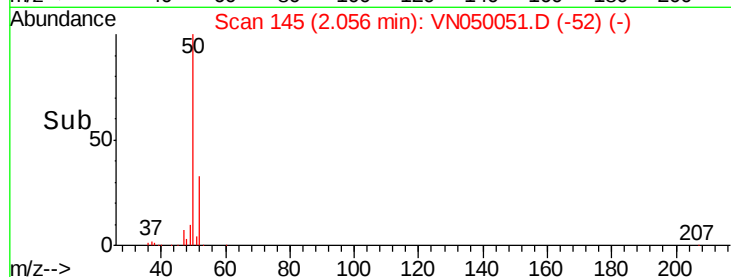
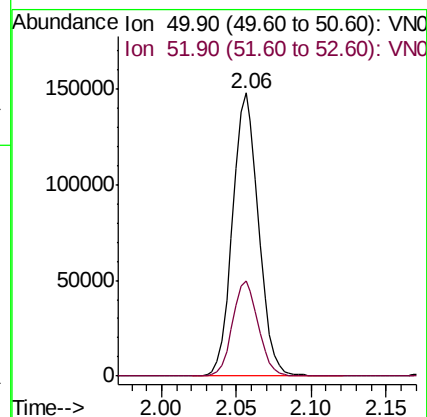
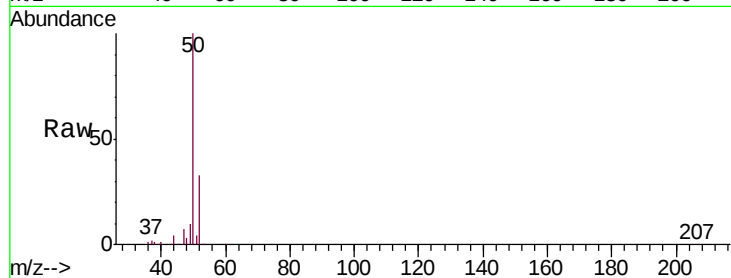
VN0725WBS02

Tot Ion: 50 Resp: 178764

Ion Ratio Lower Upper

50 100

52 33.5 25.9 38.9



#4

Vinyl Chloride

Concen: 19.34 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050051.D

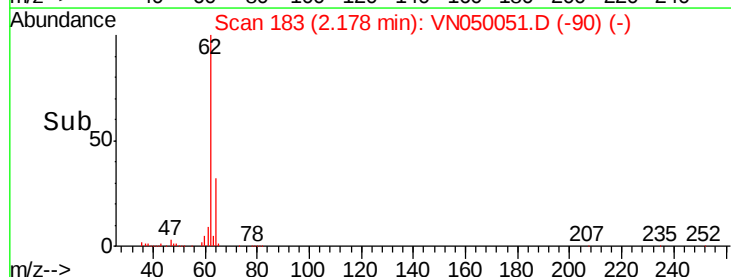
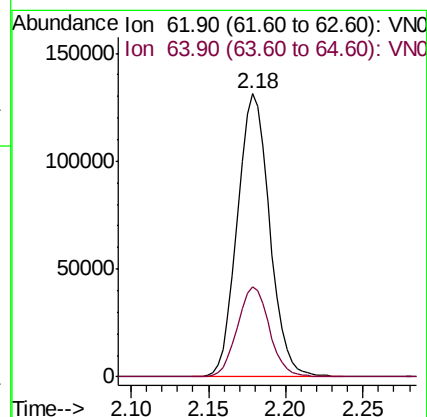
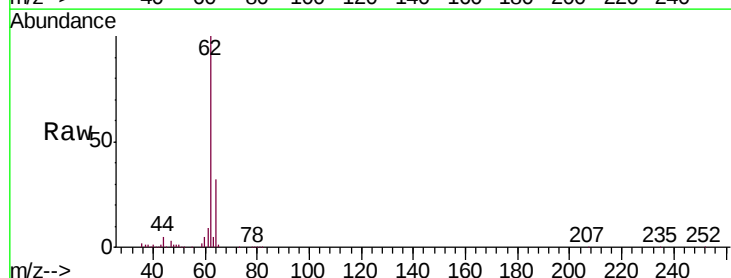
Acq: 25 Jul 2018 18:55

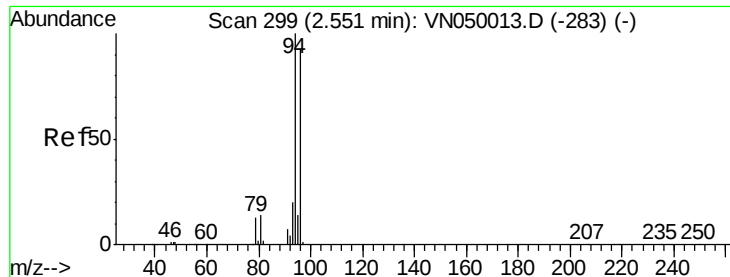
Tgt Ion: 62 Resp: 189658

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1





#5

Bromomethane

Concen: 21.24 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

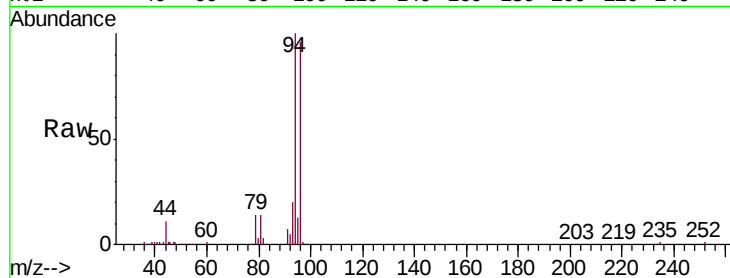
VN0725WBS02

Tot Ion: 94 Resp: 118827

Ion Ratio Lower Upper

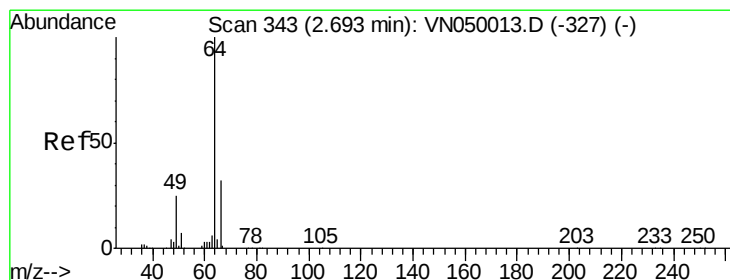
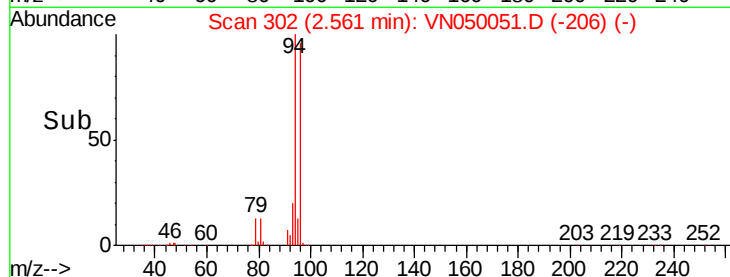
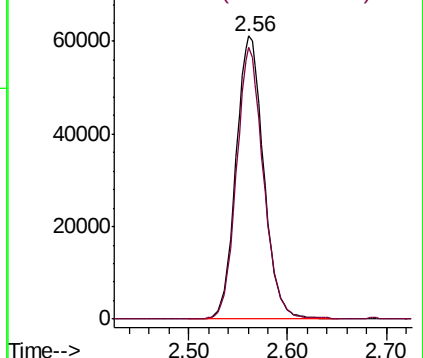
94 100

96 96.1 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: 18.47 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050051.D

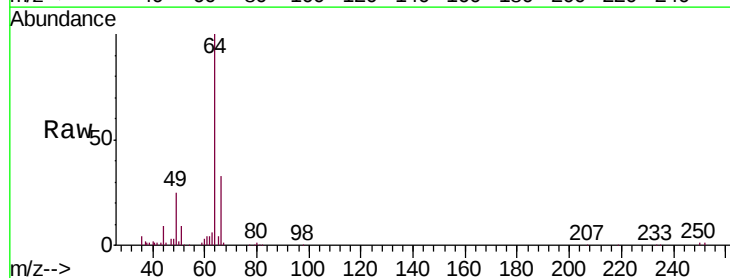
Acq: 25 Jul 2018 18:55

Tgt Ion: 64 Resp: 108775

Ion Ratio Lower Upper

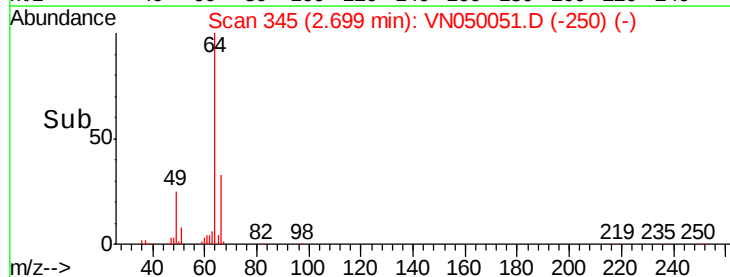
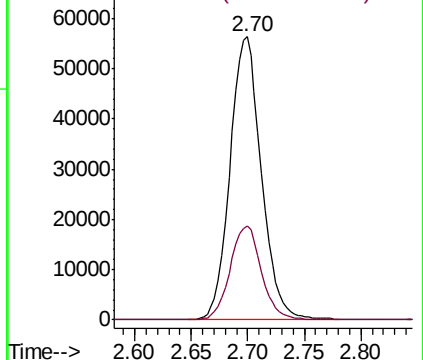
64 100

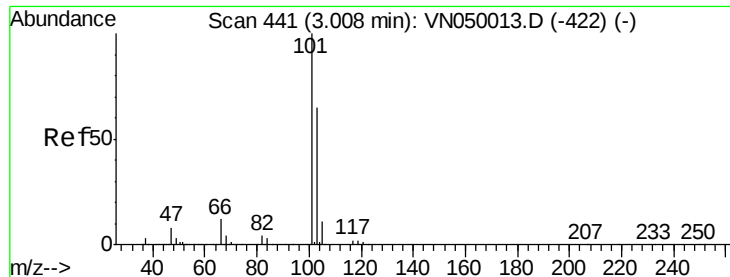
66 33.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



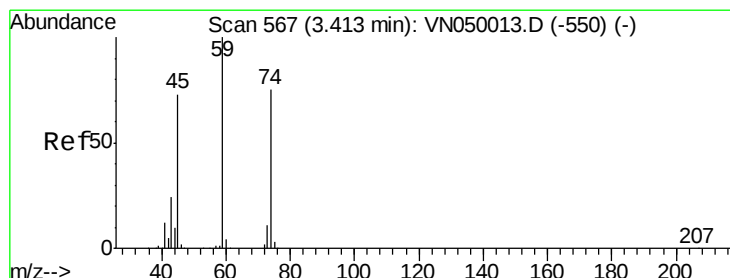
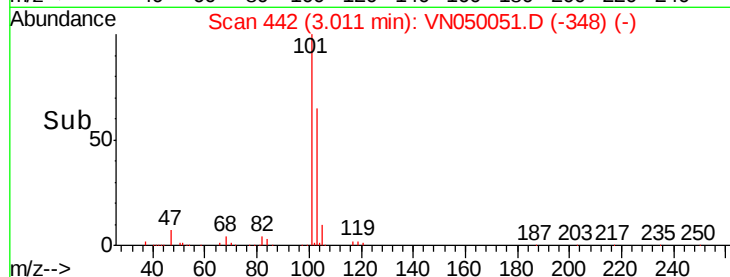
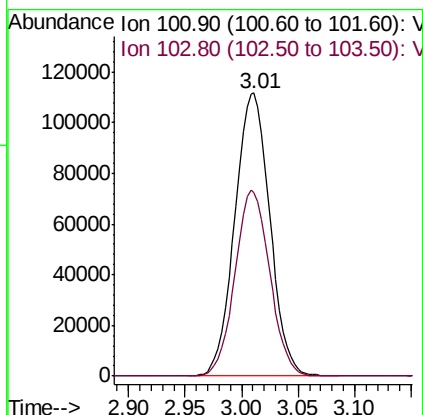
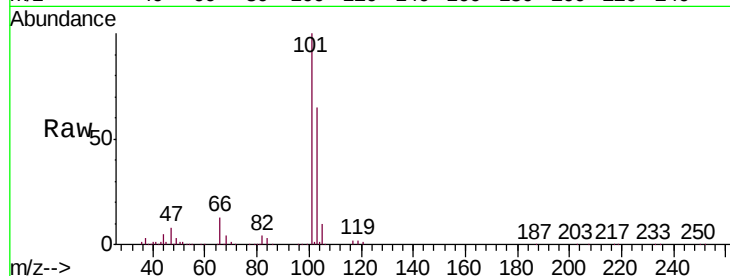


#7

Trichlorofluoromethane
 Concen: 19.01 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Instrument :
 MSVOA_N
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 VN0725WBS02

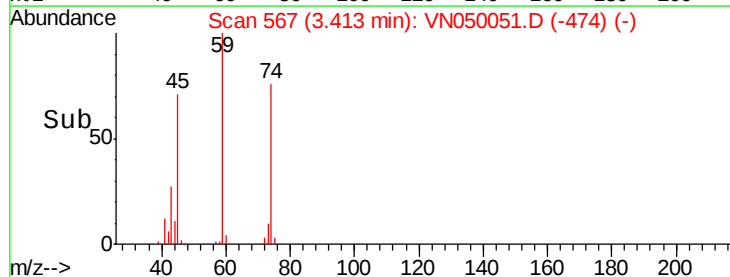
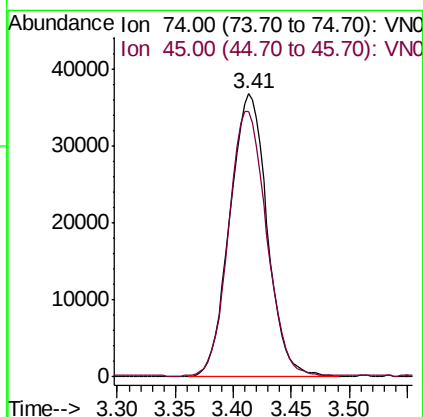
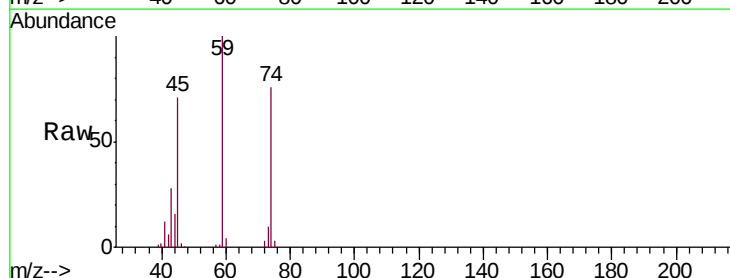
Tot Ion:101 Resp: 241545
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.7 77.5

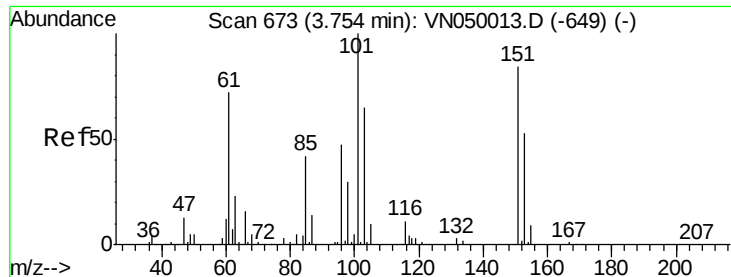


#8

Diethyl Ether
 Concen: 19.37 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion: 74 Resp: 82038
 Ion Ratio Lower Upper
 74 100
 45 95.8 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.19 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

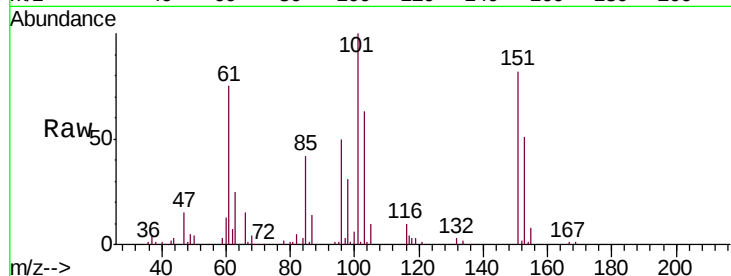
Tot Ion:101 Resp: 138986

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

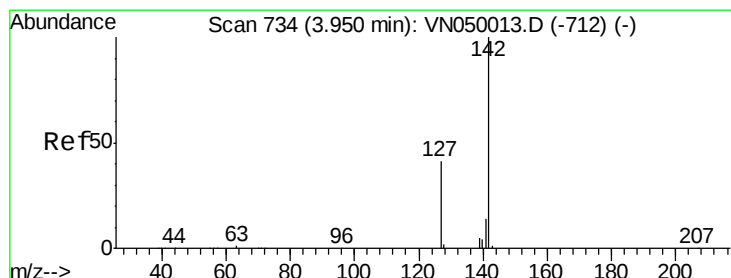
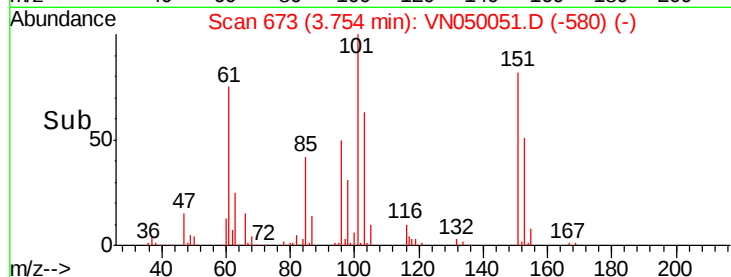
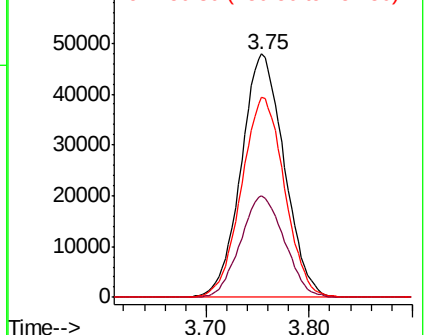
151 82.1 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.61 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

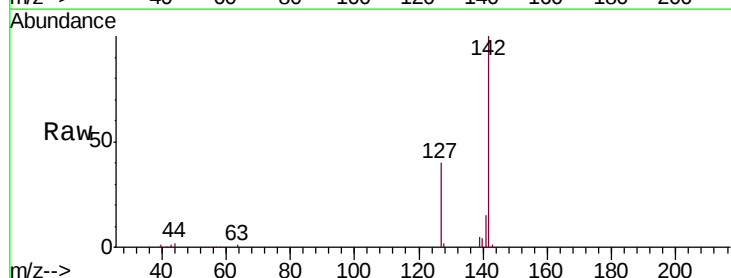
Tgt Ion:142 Resp: 172685

Ion Ratio Lower Upper

142 100

127 41.3 33.4 50.2

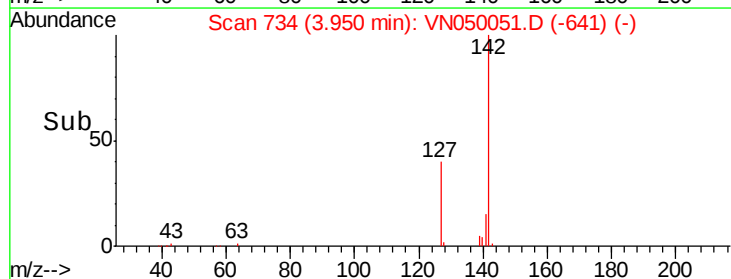
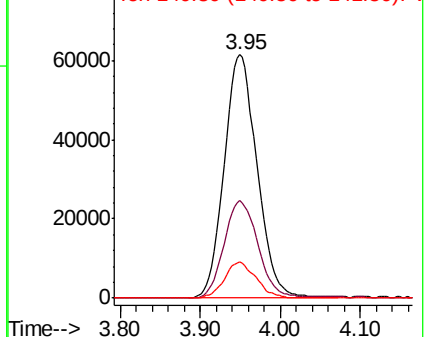
141 14.2 11.6 17.4

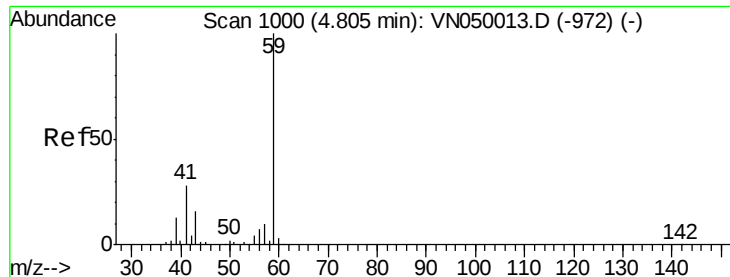


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

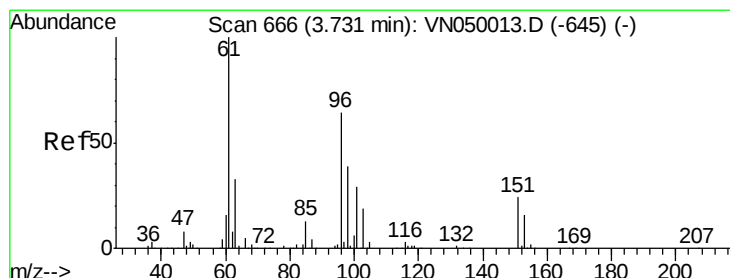
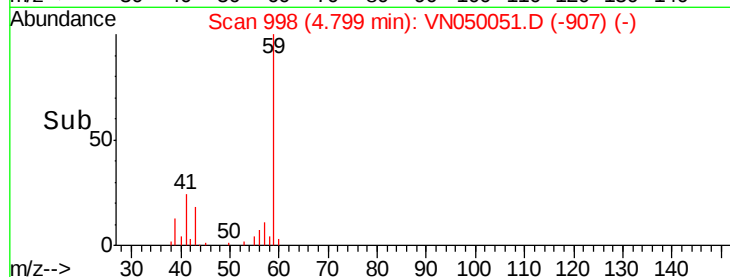
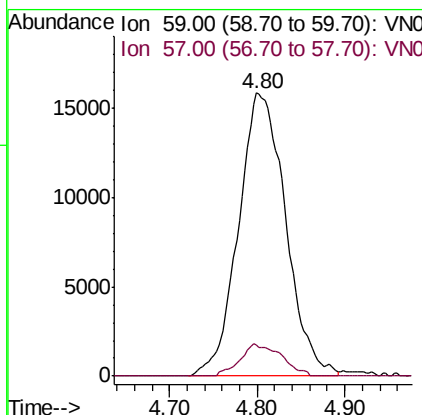
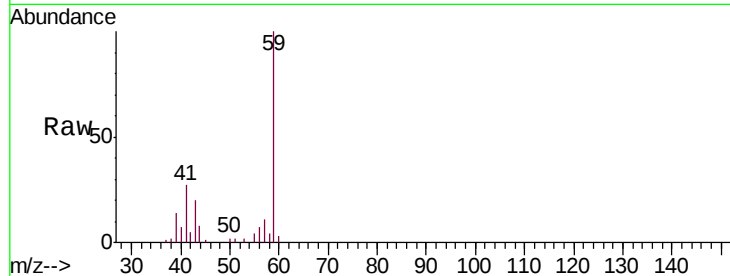




#11
Tert butyl alcohol
Concen: 97.05 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

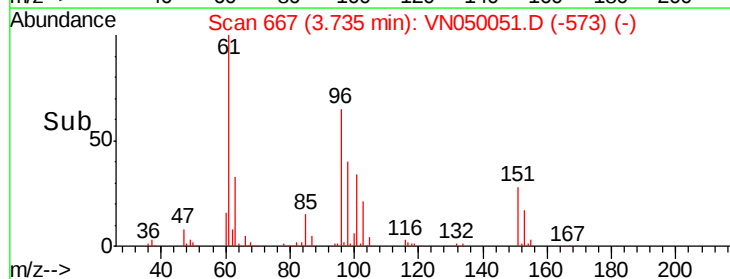
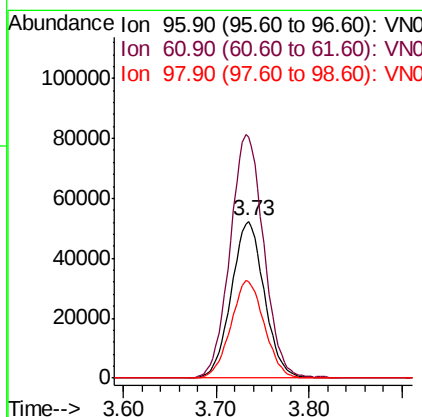
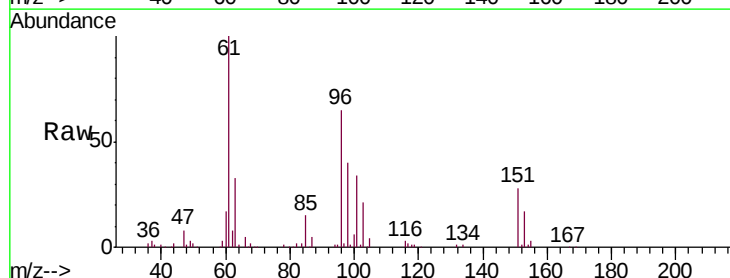
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

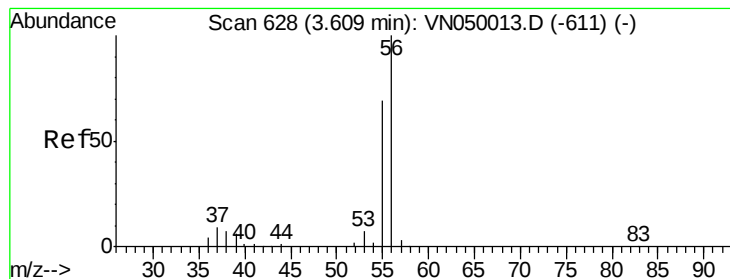
Tot Ion: 59 Resp: 59417
Ion Ratio Lower Upper
59 100
57 9.9 8.5 12.7



#12
1,1-Dichloroethene
Concen: 18.88 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion: 96 Resp: 129735
Ion Ratio Lower Upper
96 100
61 153.5 124.4 186.6
98 61.8 48.3 72.5





#13

Acrolein

Concen: 69.17 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

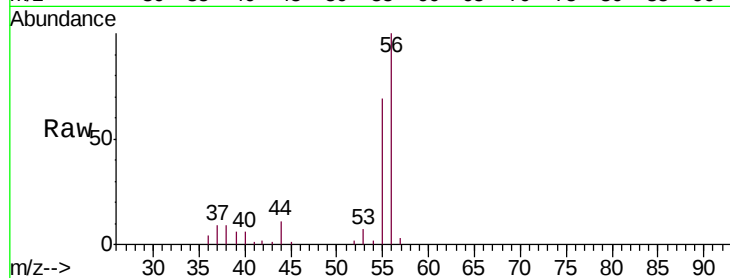
VN0725WBS02

Tot Ion: 56 Resp: 34023

Ion Ratio Lower Upper

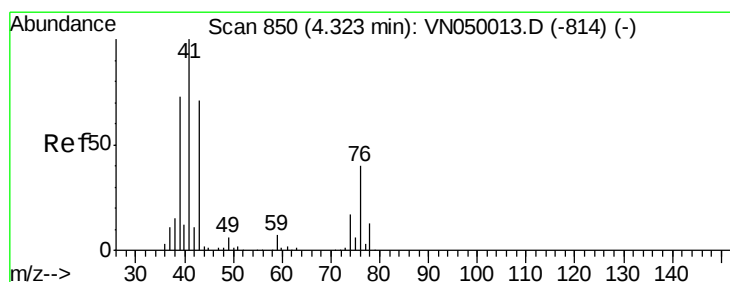
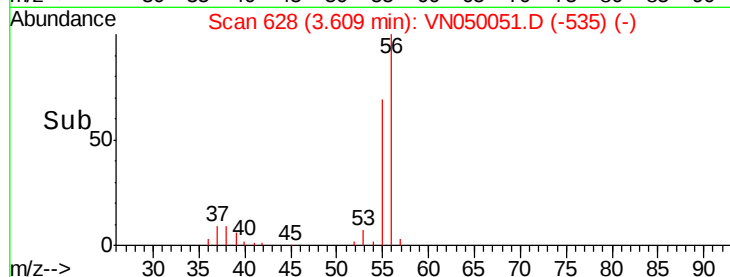
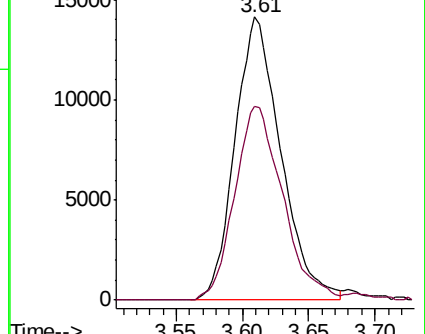
56 100

55 71.3 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: 18.76 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

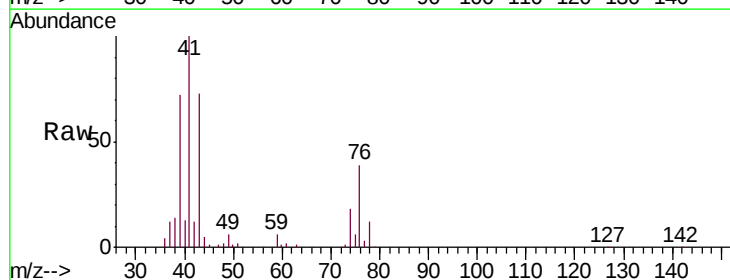
Tgt Ion: 41 Resp: 199924

Ion Ratio Lower Upper

41 100

39 68.4 54.2 81.4

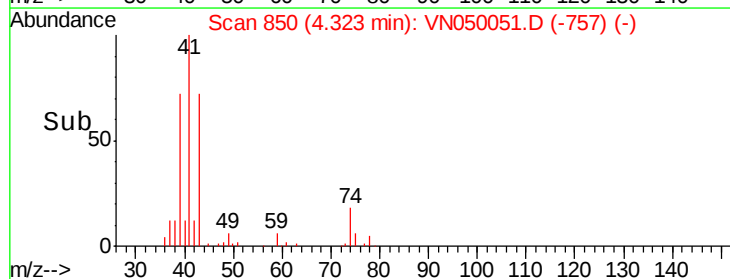
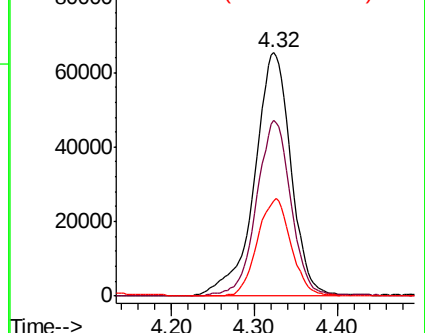
76 37.0 29.0 43.6

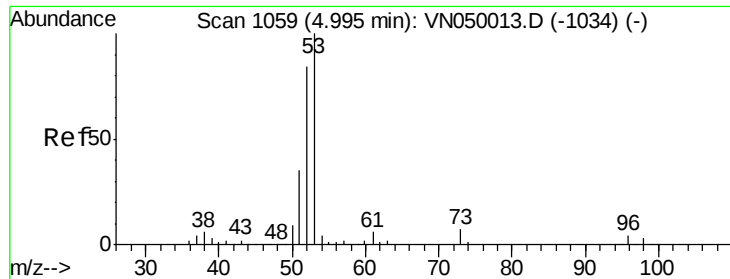


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.02 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

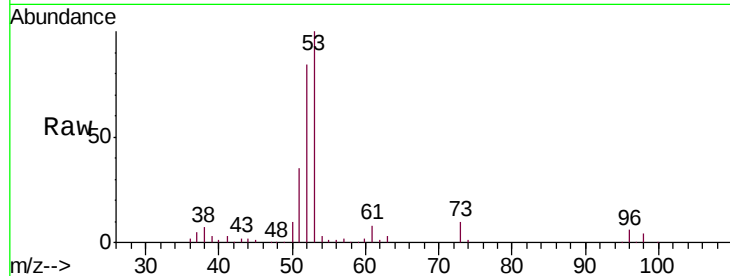
Tot Ion: 53 Resp: 256479

Ion Ratio Lower Upper

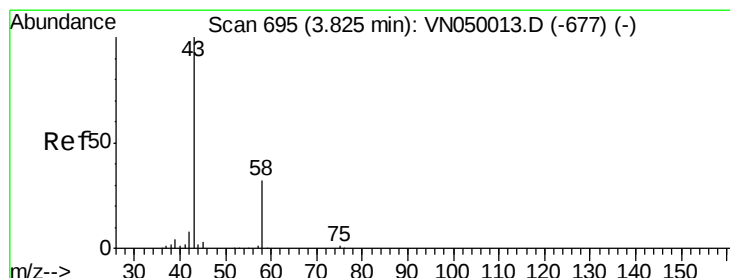
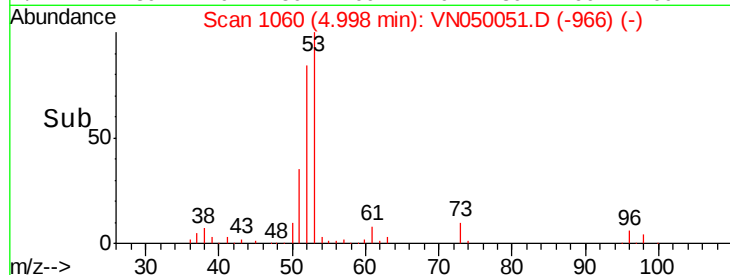
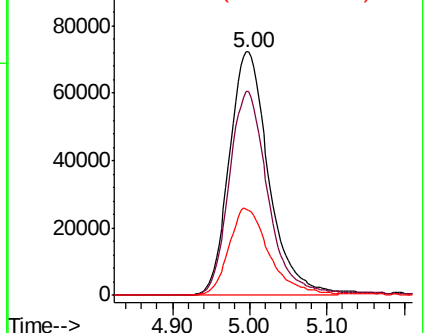
53 100

52 82.3 66.2 99.2

51 36.5 29.3 43.9



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



#16

Acetone

Concen: 96.50 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050051.D

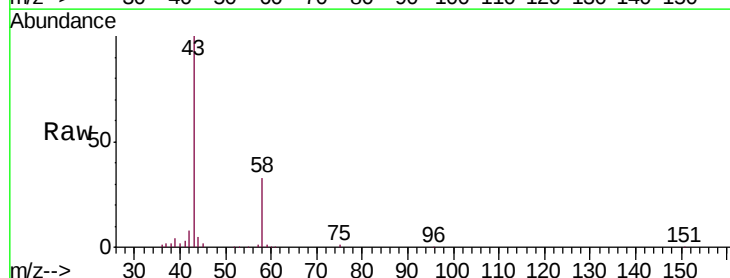
Acq: 25 Jul 2018 18:55

Tgt Ion: 43 Resp: 194348

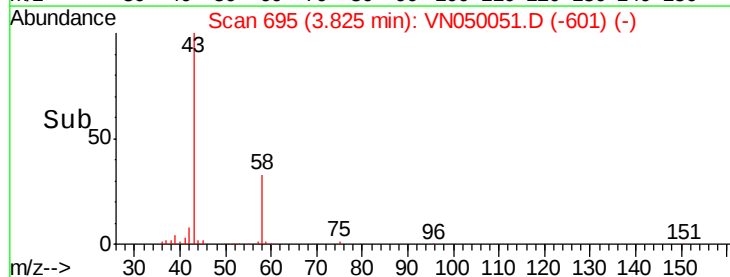
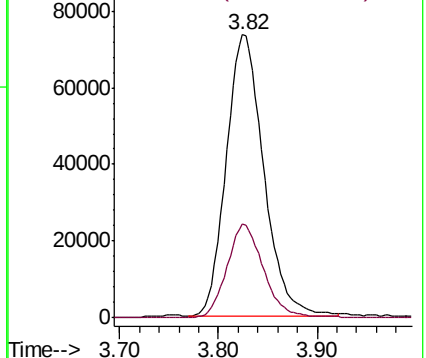
Ion Ratio Lower Upper

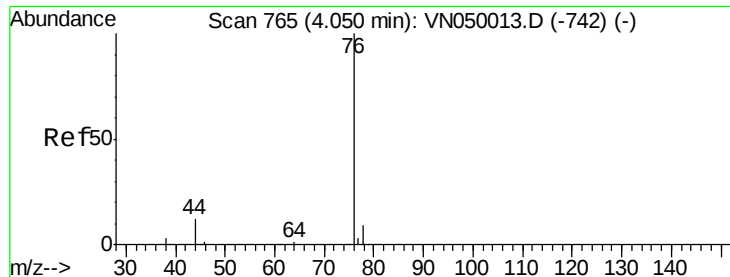
43 100

58 33.0 25.8 38.8



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

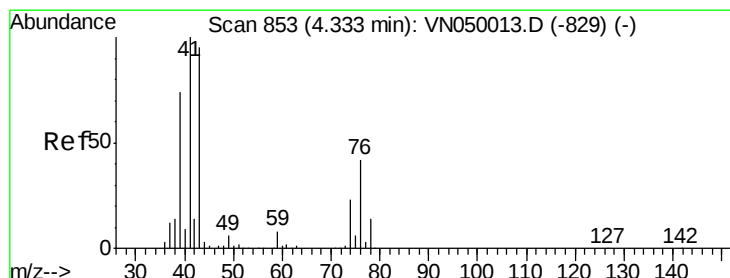
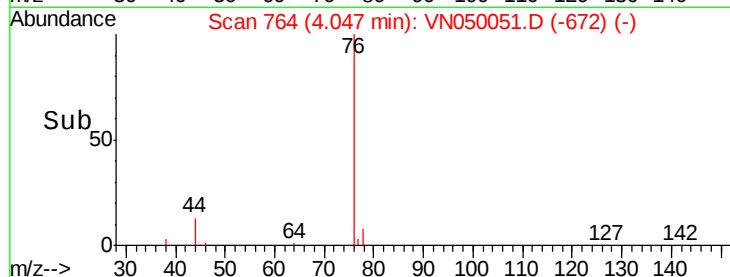
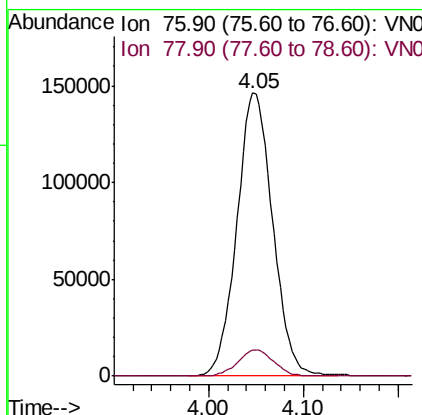
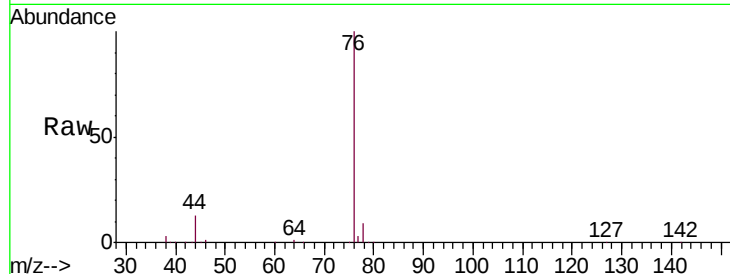




#17
Carbon Disulfide
Concen: 18.25 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

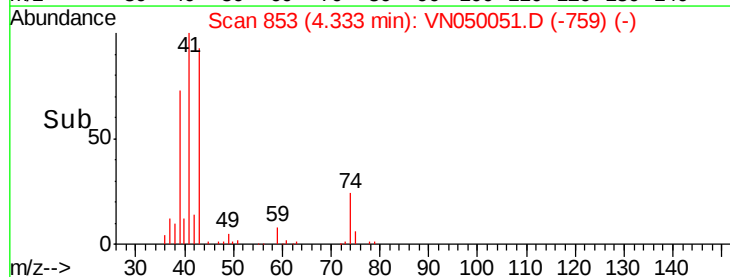
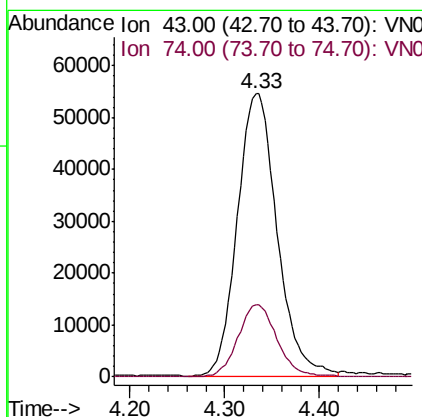
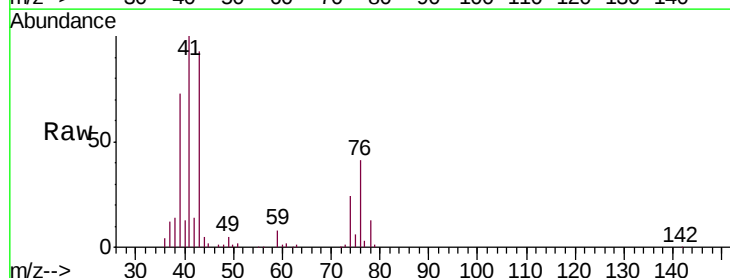
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

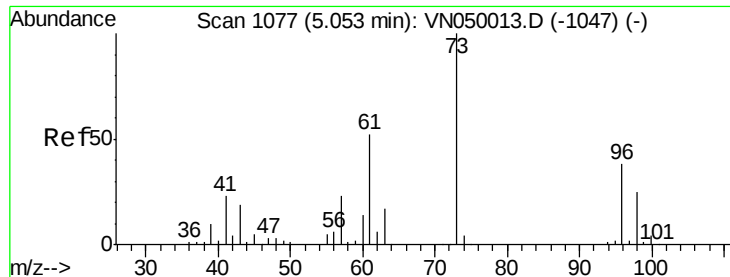
Tot Ion: 76 Resp: 384364
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 20.10 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion: 43 Resp: 160635
Ion Ratio Lower Upper
43 100
74 24.9 19.2 28.8

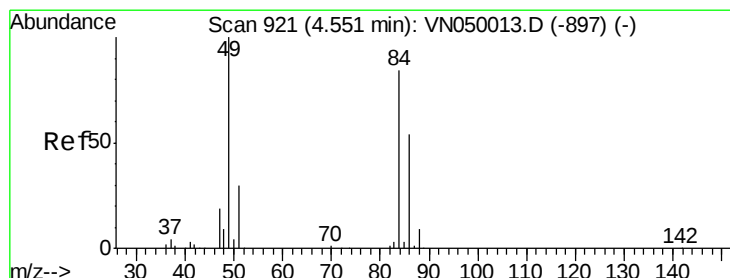
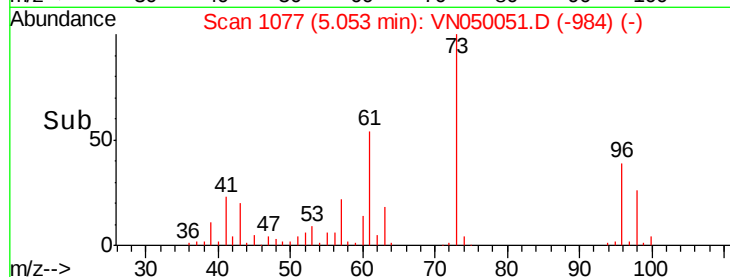
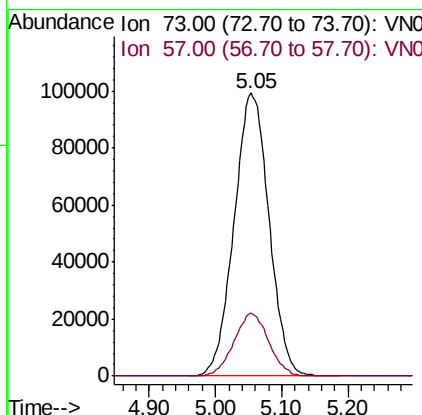
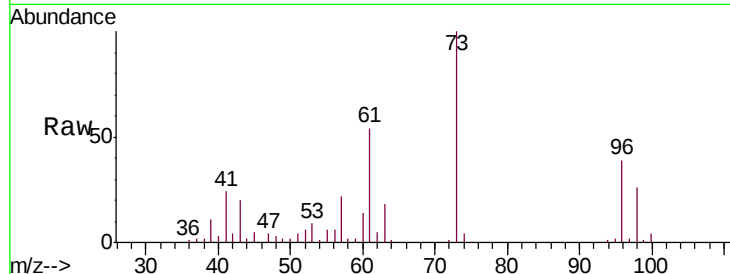




#19
Methyl tert-butyl Ether
Concen: 19.82 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

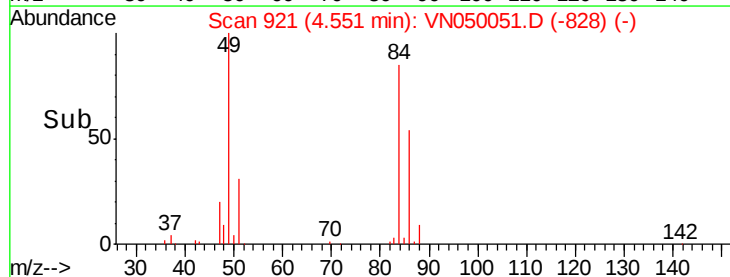
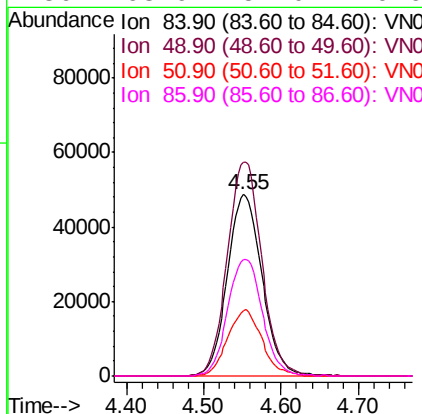
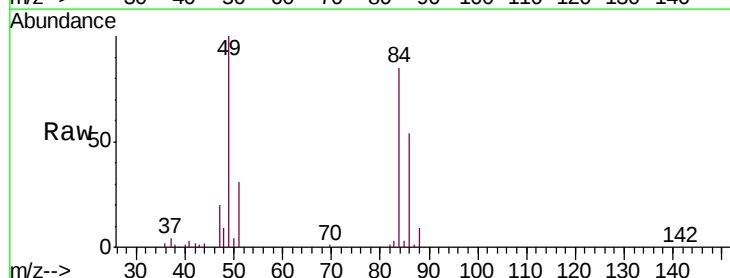
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

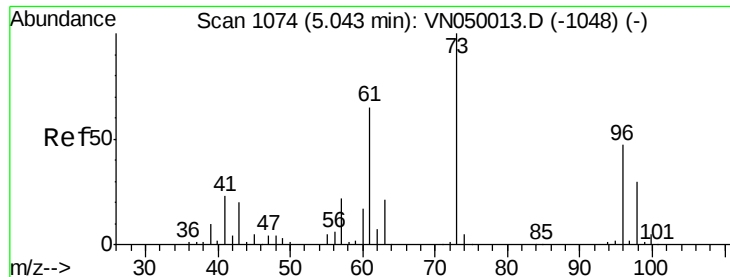
Tot Ion: 73 Resp: 362979
Ion Ratio Lower Upper
73 100
57 22.1 18.0 27.0



#20
Methylene Chloride
Concen: 19.81 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion: 84 Resp: 151760
Ion Ratio Lower Upper
84 100
49 117.5 94.8 142.2
51 36.1 28.3 42.5
86 63.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.27 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

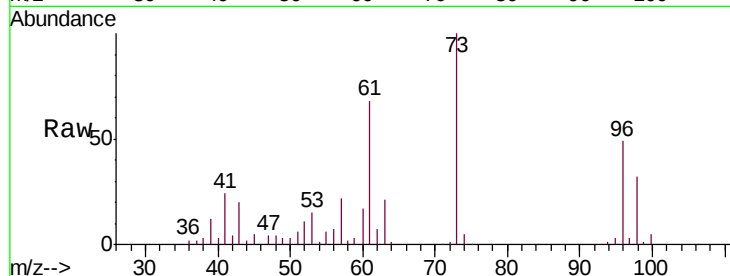
Tot Ion: 96 Resp: 140341

Ion Ratio Lower Upper

96 100

61 138.3 110.7 166.1

98 64.1 51.6 77.4

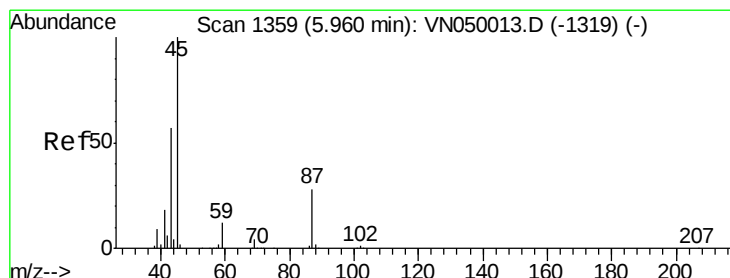
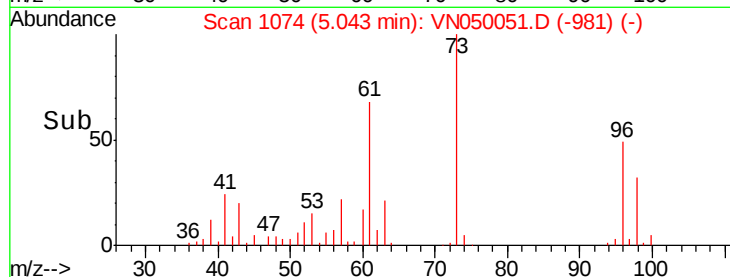
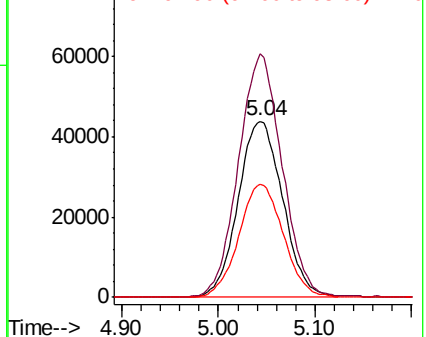


Abundance

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: 20.32 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Tgt Ion: 45 Resp: 429387

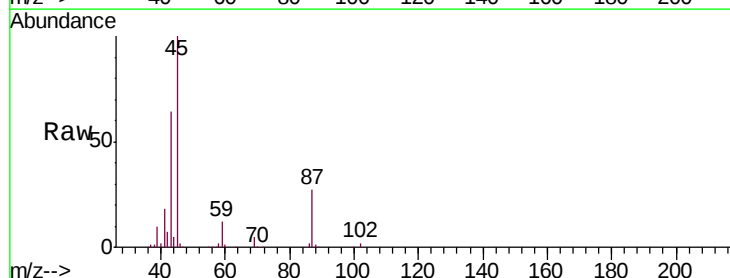
Ion Ratio Lower Upper

45 100

43 62.3 45.7 68.5

87 26.7 22.7 34.1

59 11.5 9.5 14.3



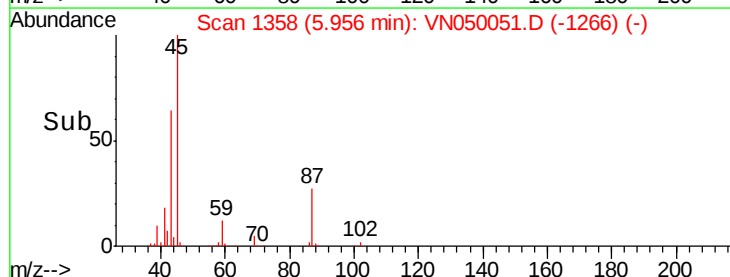
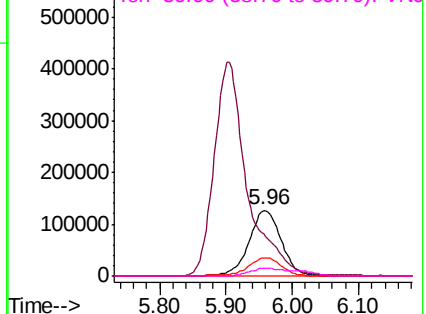
Abundance

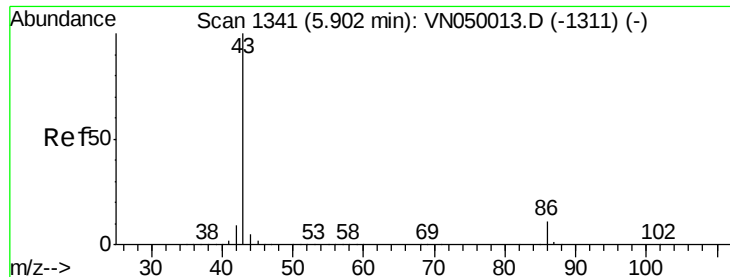
Ion 45.00 (44.70 to 45.70): VN0

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

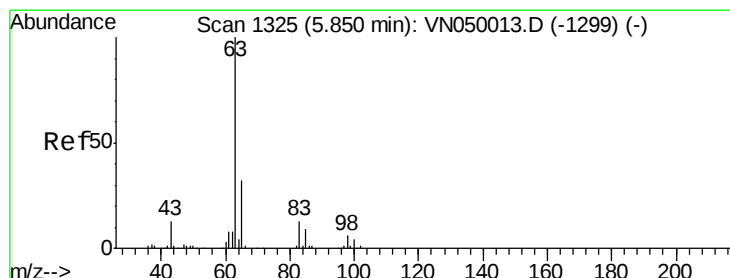
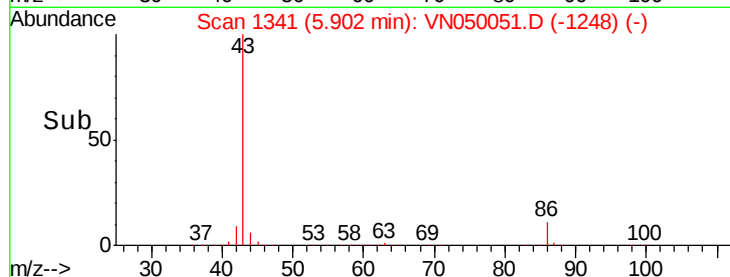
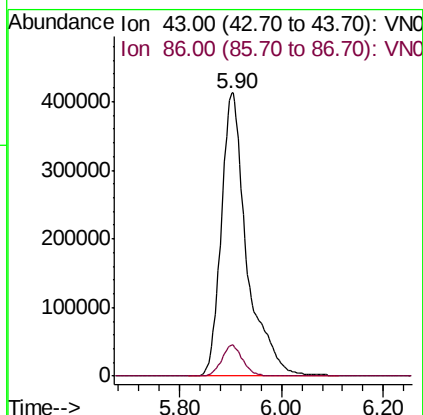
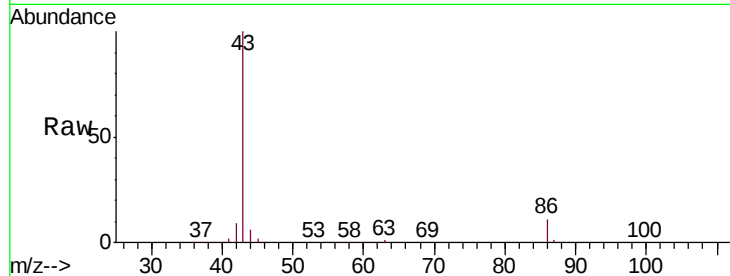




#23
 Vinyl Acetate
 Concen: 96.18 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

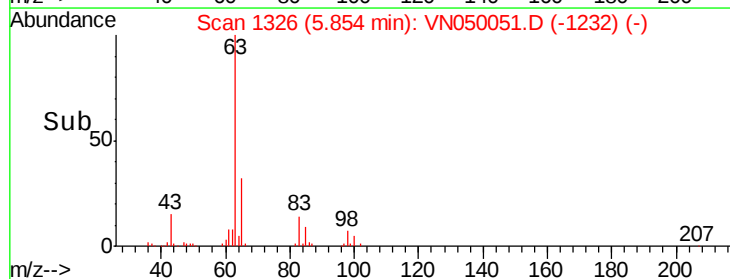
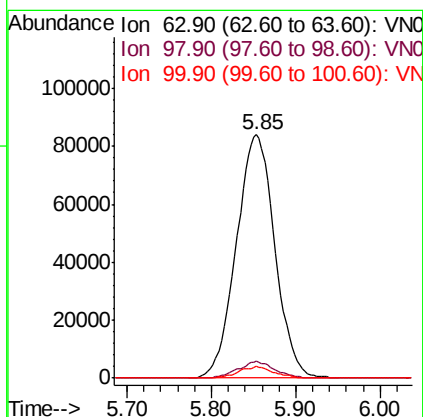
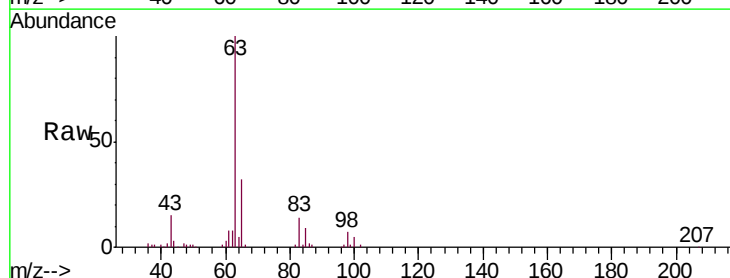
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

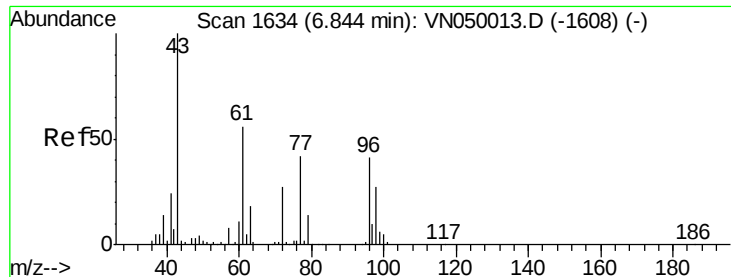
Tot Ion: 43 Resp: 1436400
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 19.23 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion: 63 Resp: 265789
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.7 2.1 6.3

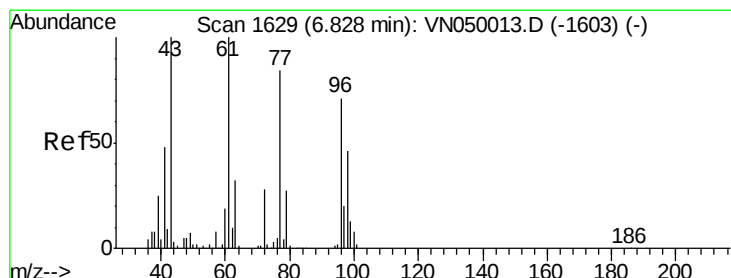
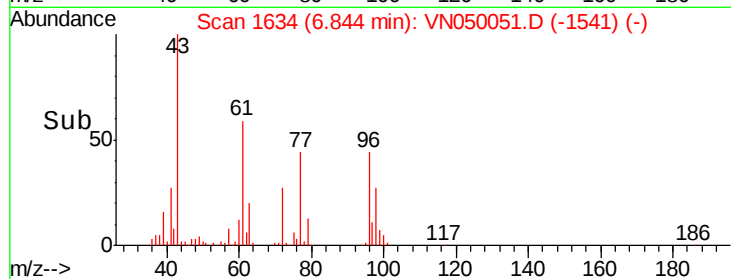
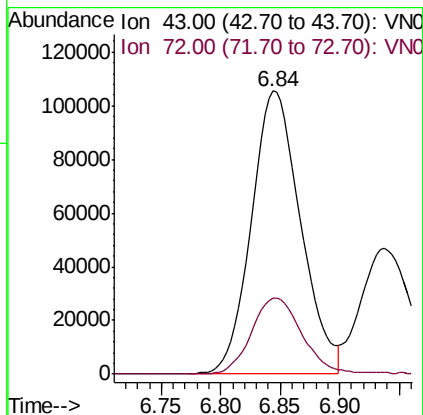
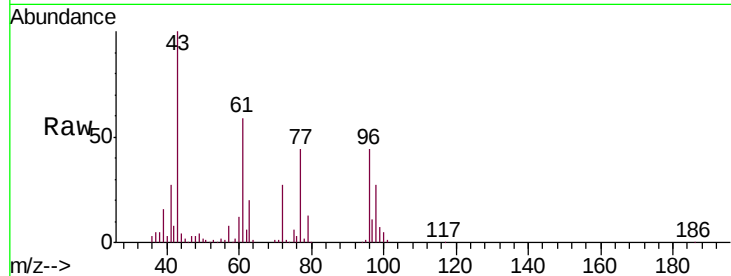




#25
 2-Butanone
 Concen: 94.88 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

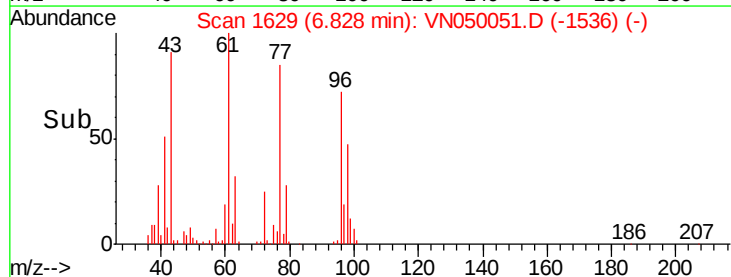
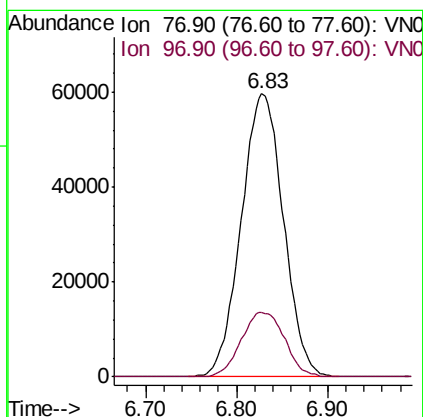
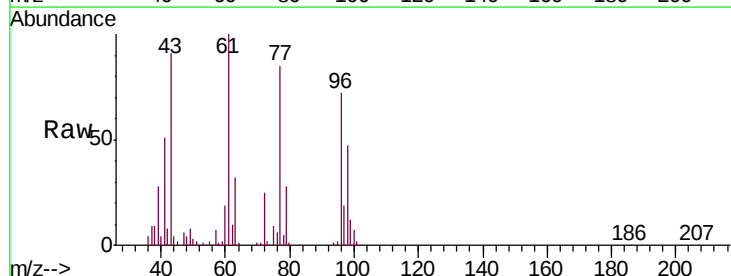
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

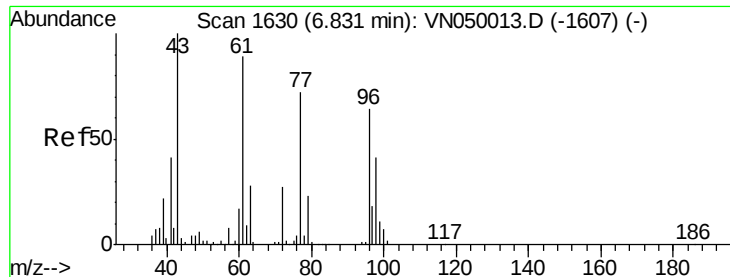
Tot Ion: 43 Resp: 301124
 Ion Ratio Lower Upper
 43 100
 72 26.8 21.5 32.3



#26
 2,2-Dichloropropane
 Concen: 18.28 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion: 77 Resp: 192123
 Ion Ratio Lower Upper
 77 100
 97 23.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.62 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

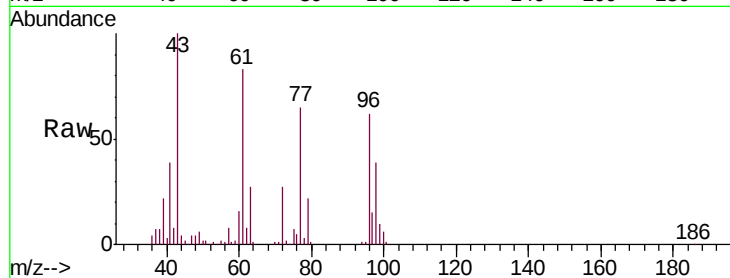
Tot Ion: 96 Resp: 153799

Ion Ratio Lower Upper

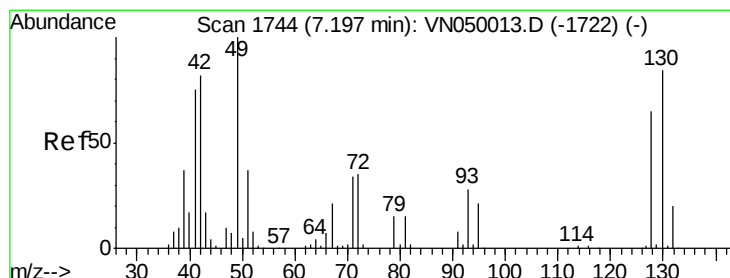
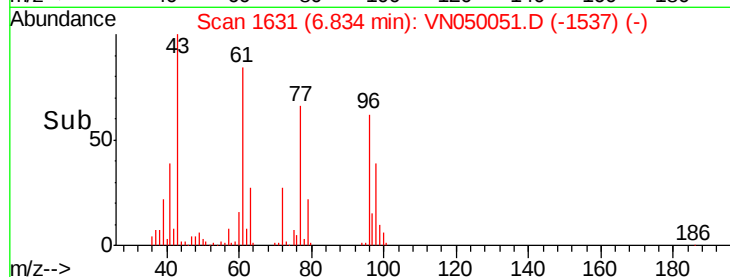
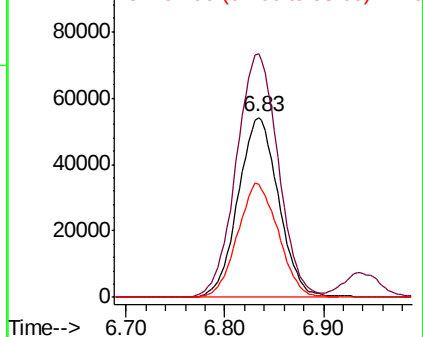
96 100

61 140.4 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: 19.45 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

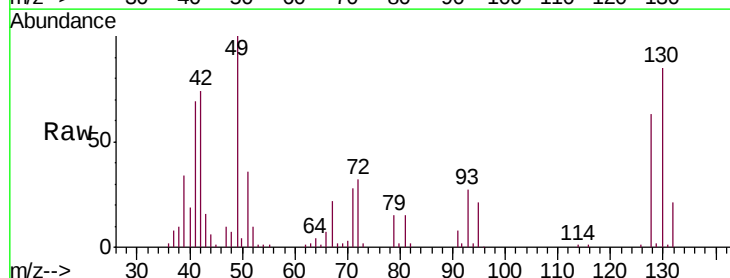
Tgt Ion: 49 Resp: 122600

Ion Ratio Lower Upper

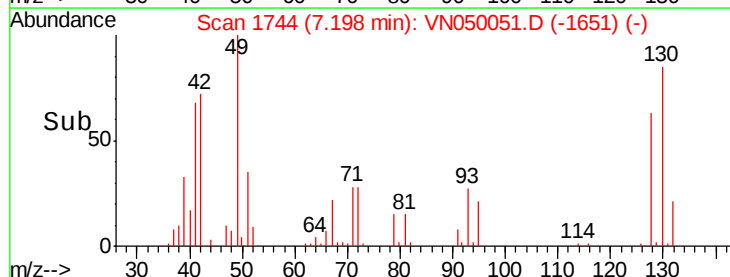
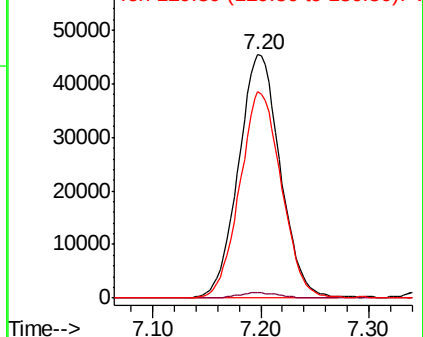
49 100

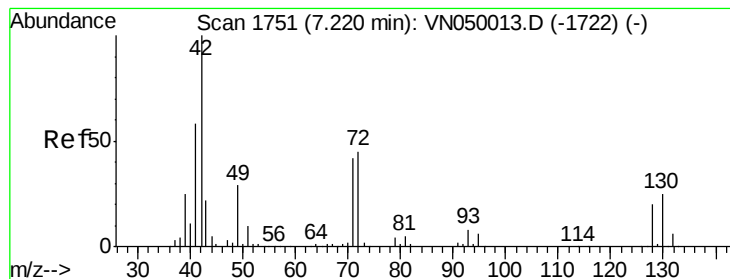
129 2.2 0.0 4.0

130 84.2 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: 97.25 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

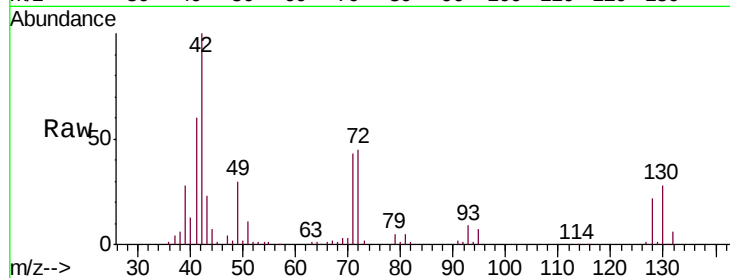
Tot Ion: 42 Resp: 199437

Ion Ratio Lower Upper

42 100

72 45.0 35.9 53.9

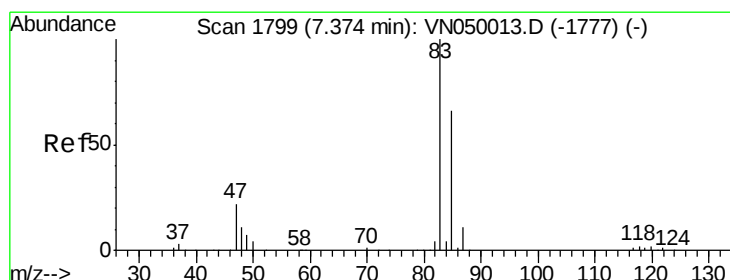
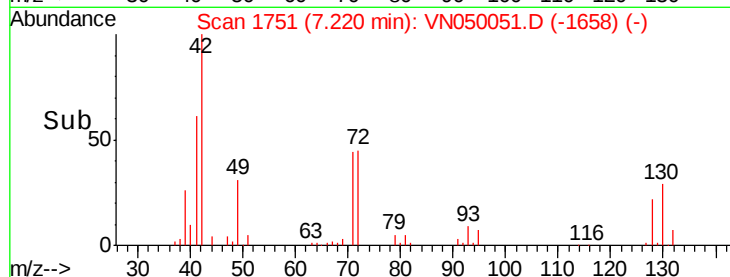
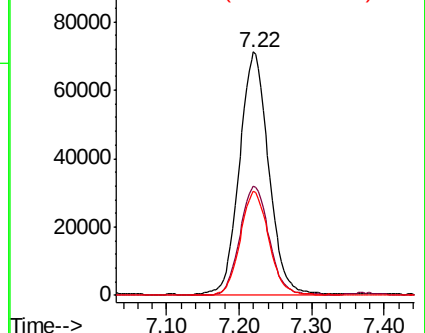
71 42.0 33.7 50.5



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: 19.34 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN050051.D

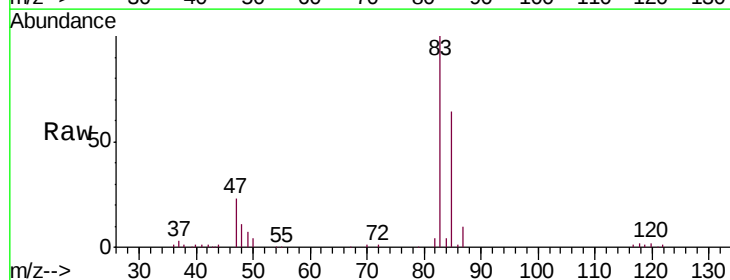
Acq: 25 Jul 2018 18:55

Tgt Ion: 83 Resp: 272696

Ion Ratio Lower Upper

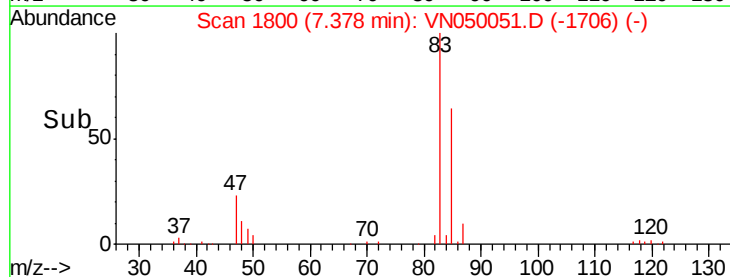
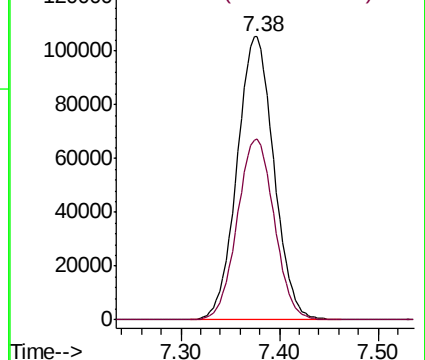
83 100

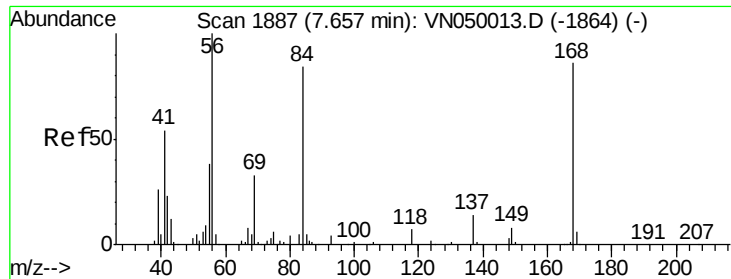
85 63.8 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.45 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

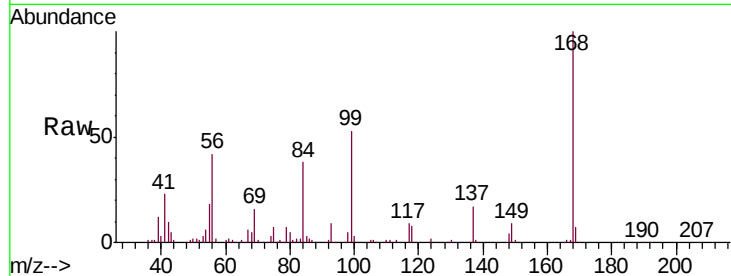
Tot Ion: 56 Resp: 211886

Ion Ratio Lower Upper

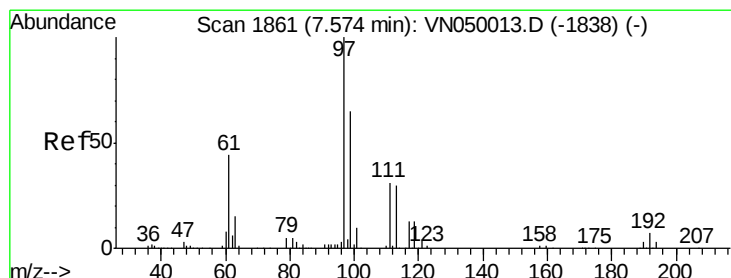
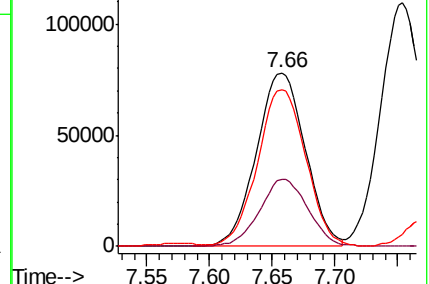
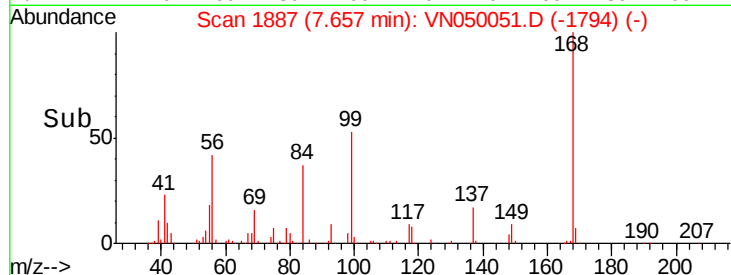
56 100

69 38.9 26.2 39.4

84 89.2 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: 19.26 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

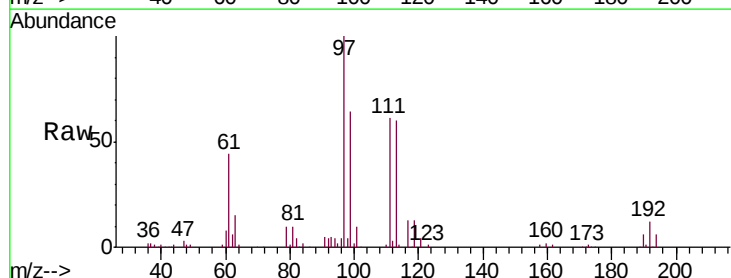
Tgt Ion: 97 Resp: 232347

Ion Ratio Lower Upper

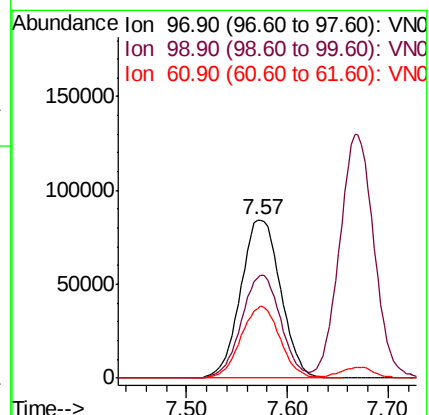
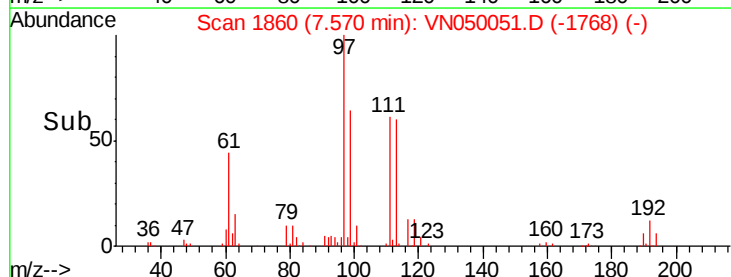
97 100

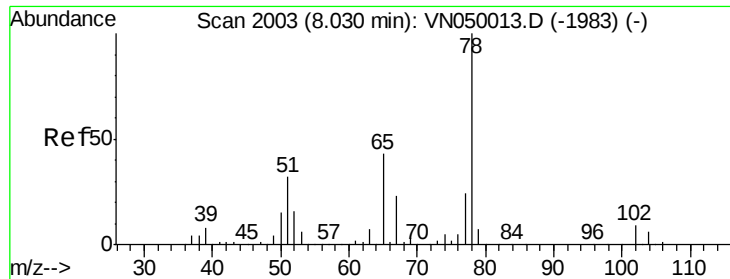
99 63.7 51.4 77.0

61 44.3 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

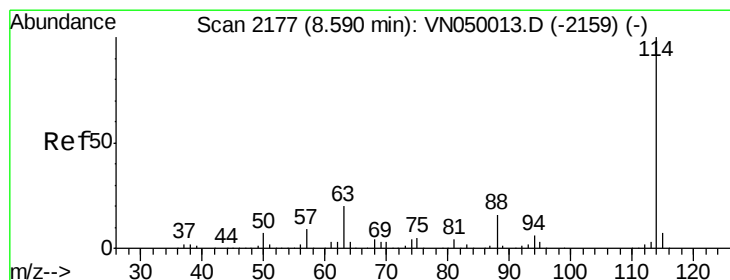
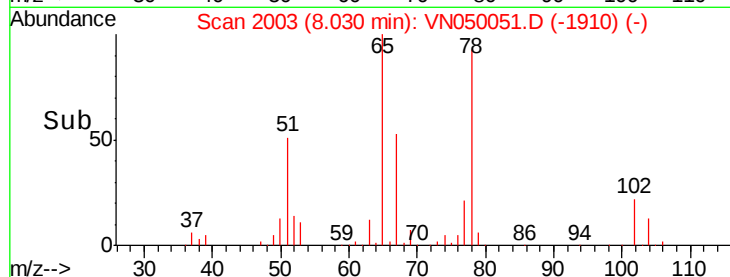
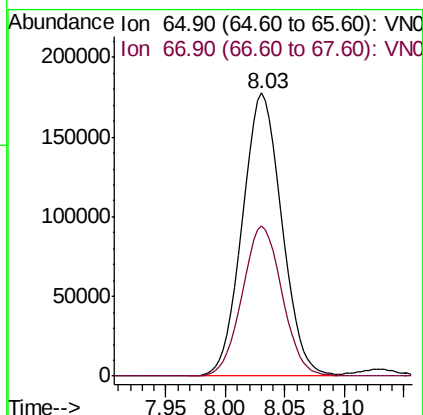
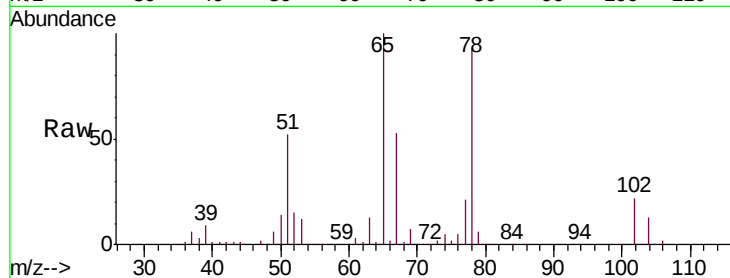




#33
 1,2-Dichloroethane-d4
 Concen: 49.20 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

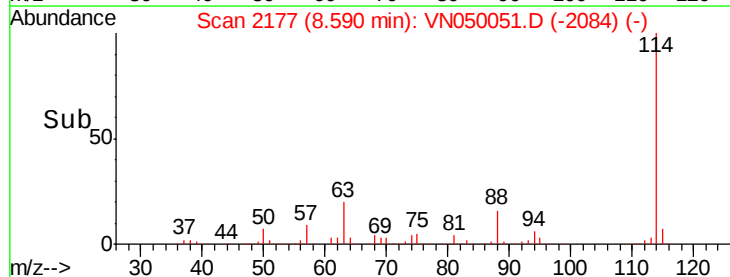
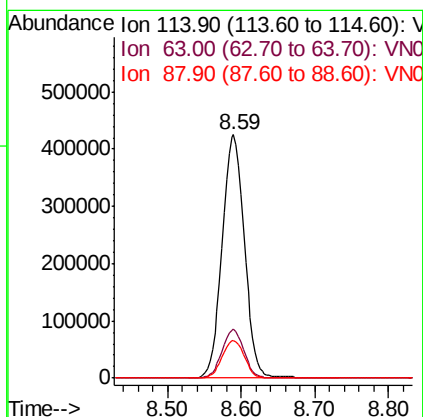
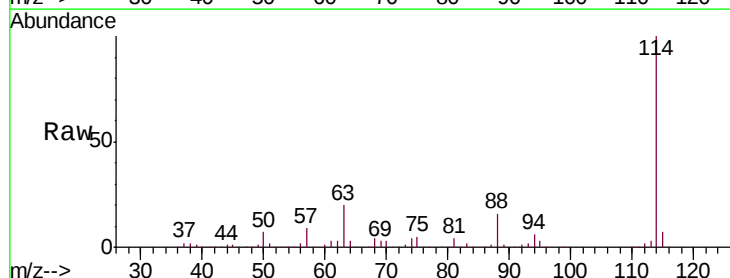
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

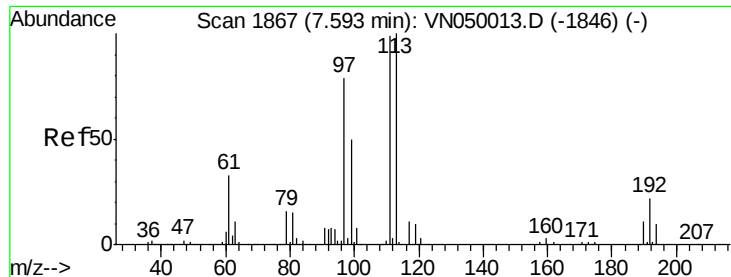
Tot Ion: 65 Resp: 409340
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion: 114 Resp: 893928
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.6 0.0 31.2

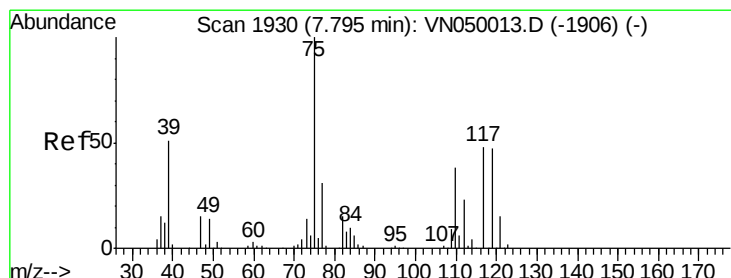
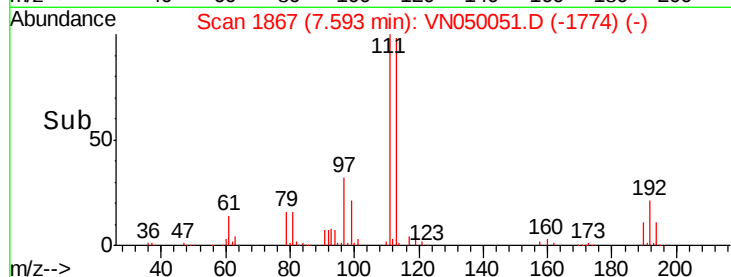
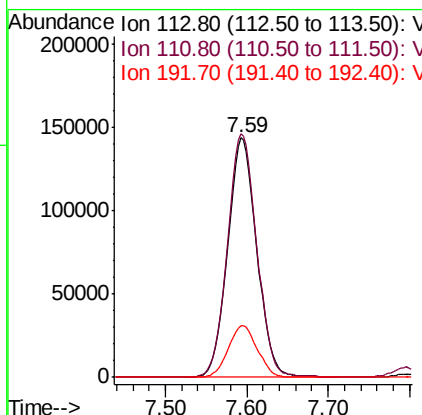
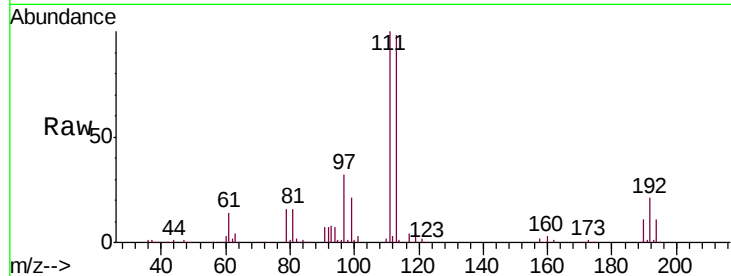




#35
 Dibromofluoromethane
 Concen: 49.14 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

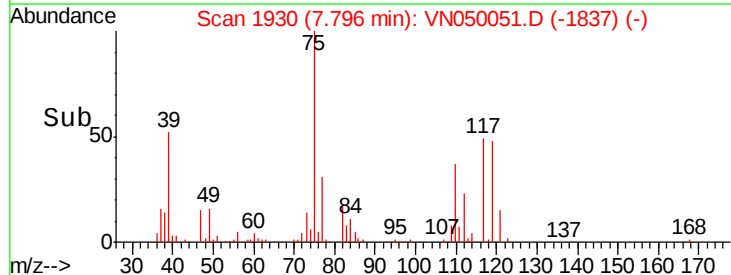
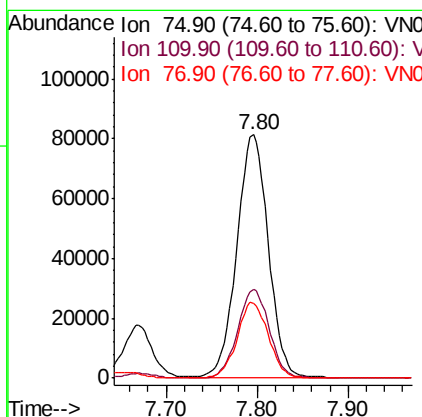
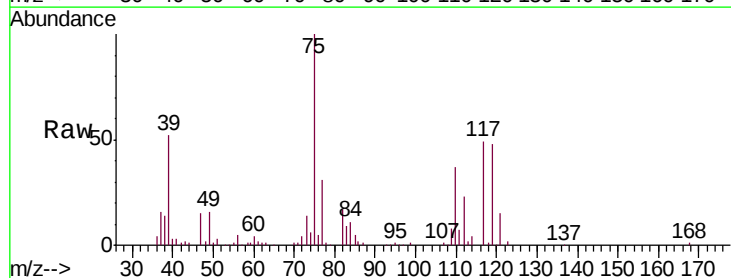
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

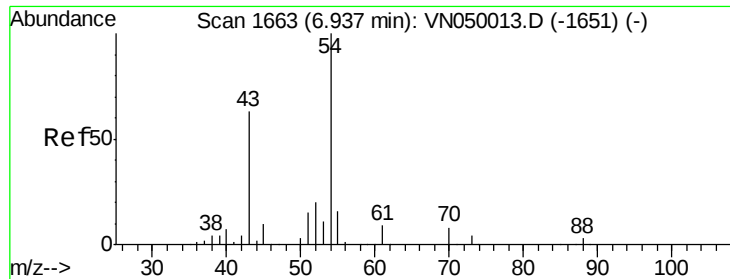
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.7	121.1
192	21.6	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 19.47 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.4	55.2
77	30.9	25.3	37.9

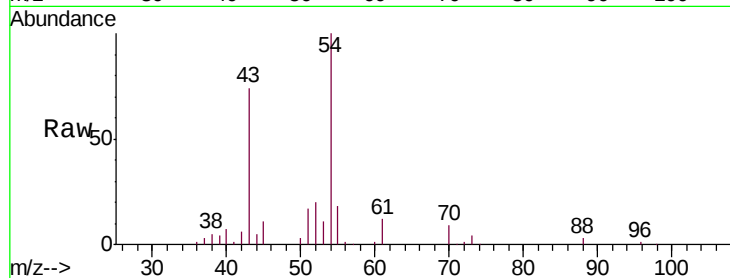




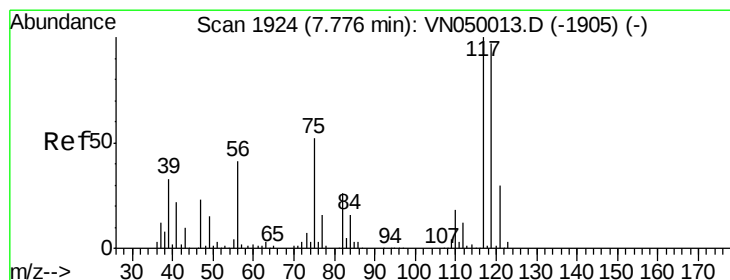
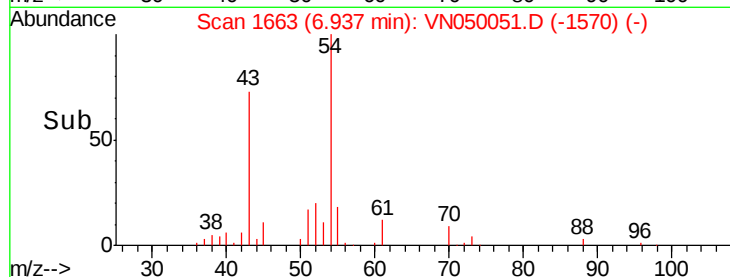
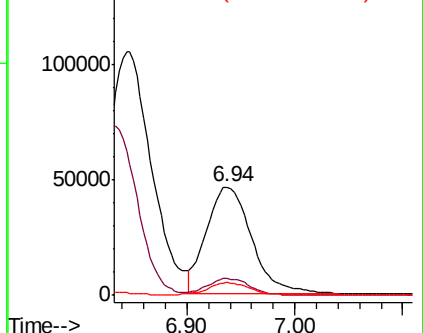
#37
Ethyl Acetate
Concen: 19.18 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampled :
VN0725WBS02

Tot Ion: 43 Resp: 134653
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.8
70 11.3 8.4 12.6

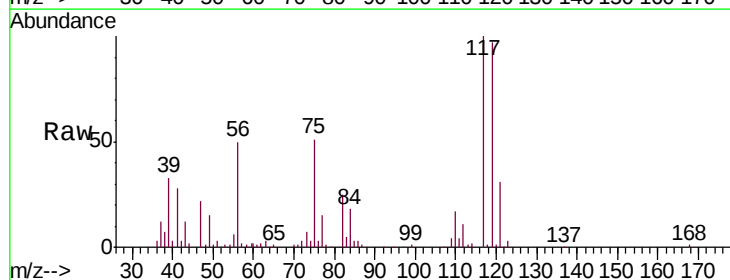


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

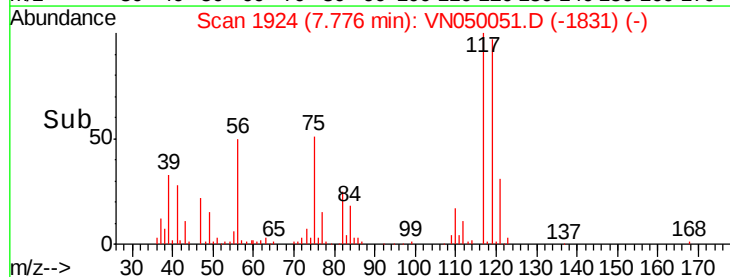
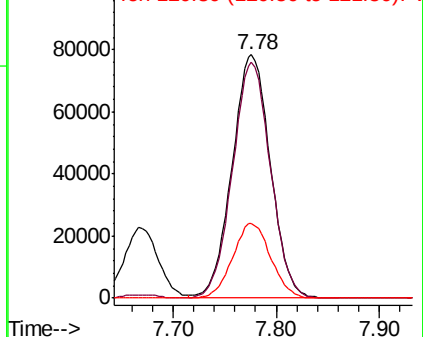


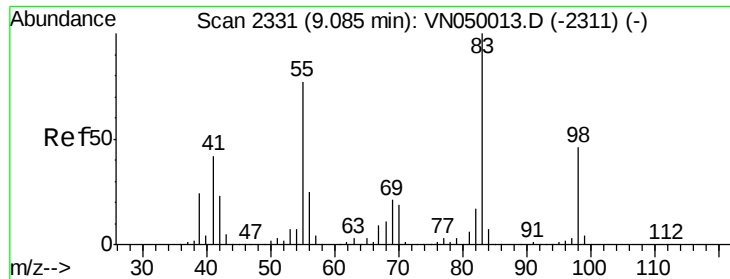
#38
Carbon Tetrachloride
Concen: 18.97 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion: 117 Resp: 202769
Ion Ratio Lower Upper
117 100
119 96.6 77.4 116.0
121 30.8 23.9 35.9



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

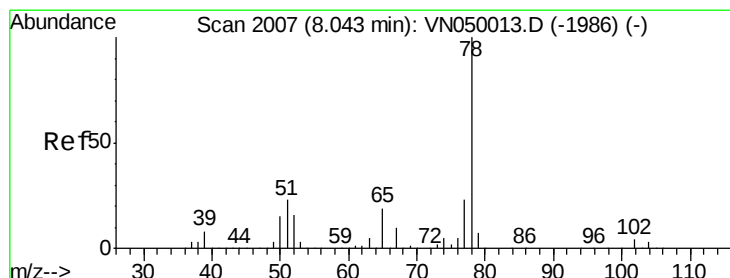
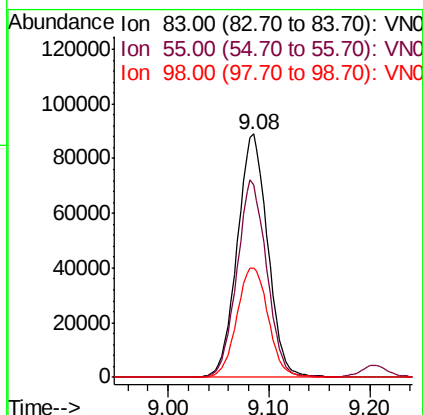
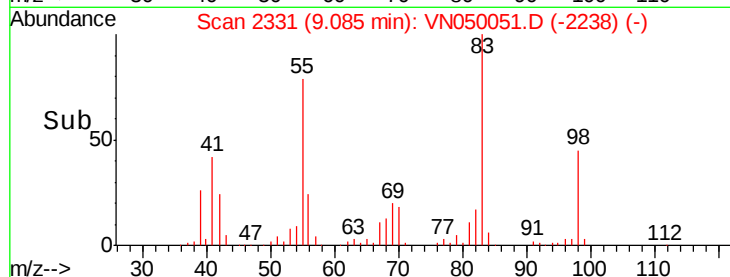
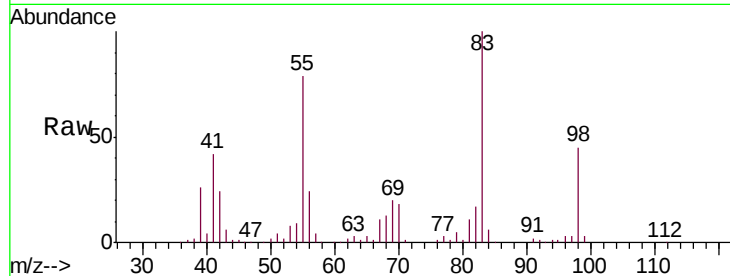




#39
Methvlcvclohexane
Concen: 17.94 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

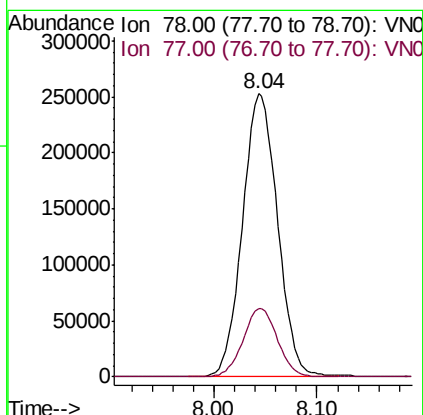
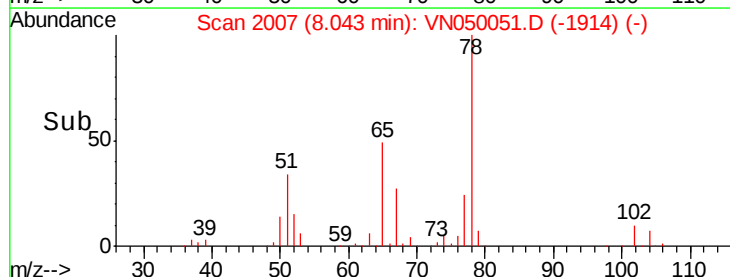
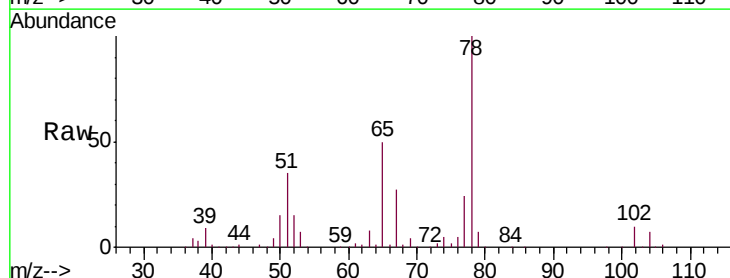
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

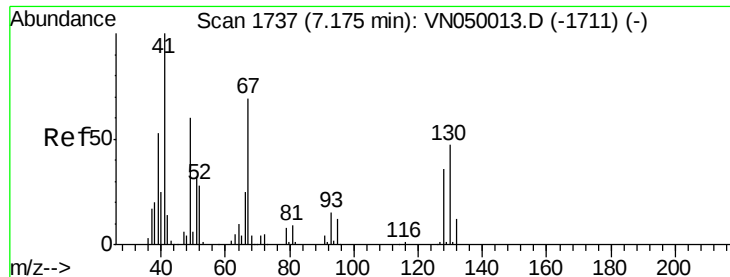
Tot Ion: 83 Resp: 185902
Ion Ratio Lower Upper
83 100
55 78.9 61.8 92.8
98 45.1 36.5 54.7



#40
Benzene
Concen: 19.46 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion: 78 Resp: 596379
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1

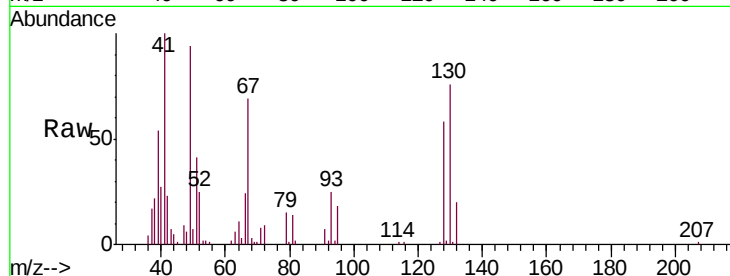




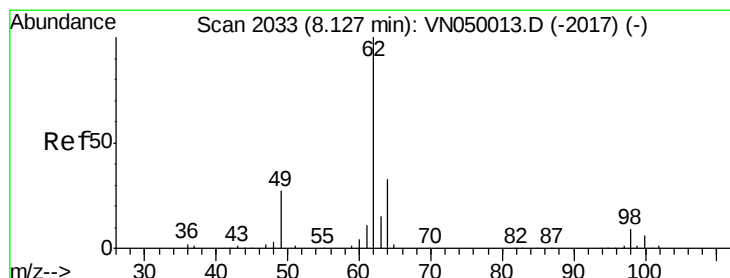
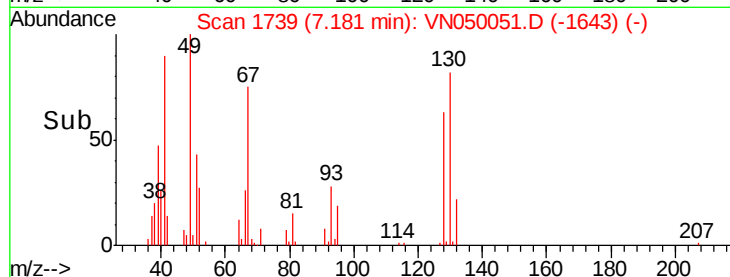
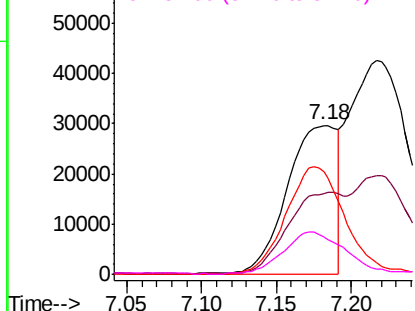
#41
Methacrylonitrile
Concen: 20.61 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

Tot Ion: 41 Resp: 69113
Ion Ratio Lower Upper
41 100
39 63.8 55.8 83.6
67 85.6 84.3 126.5
52 35.9 34.2 51.2

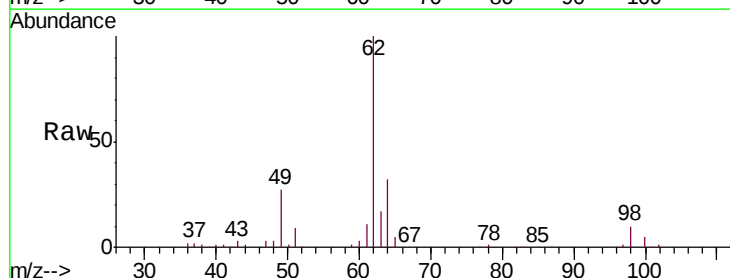


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

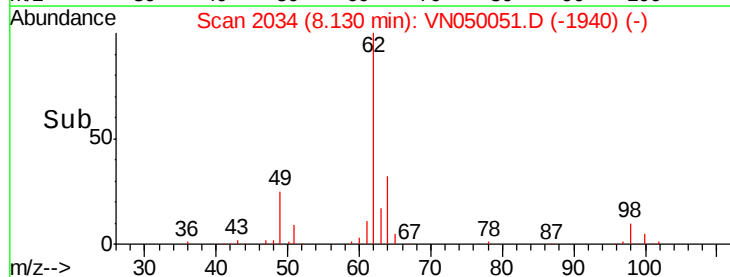
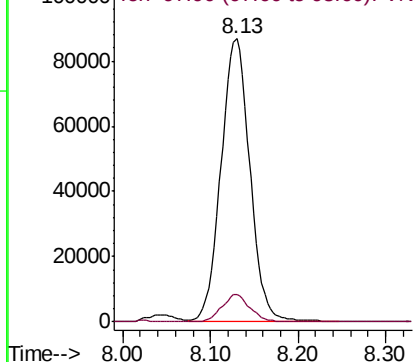


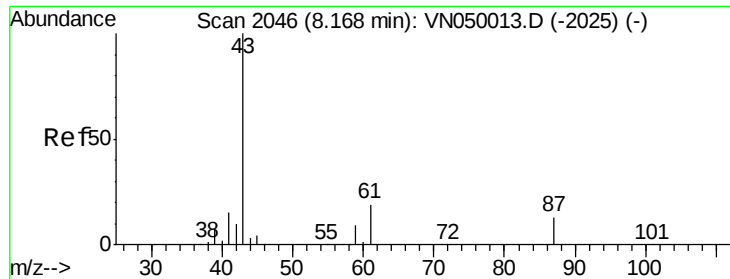
#42
1,2-Dichloroethane
Concen: 19.40 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion: 62 Resp: 198387
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 18.18 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampled :

VN0725WBS02

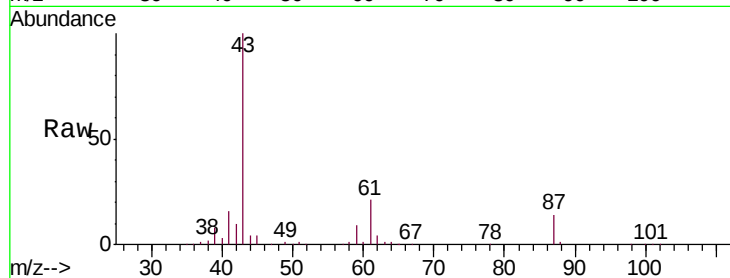
Tot Ion: 43 Resp: 250114

Ion Ratio Lower Upper

43 100

61 18.0 15.8 23.6

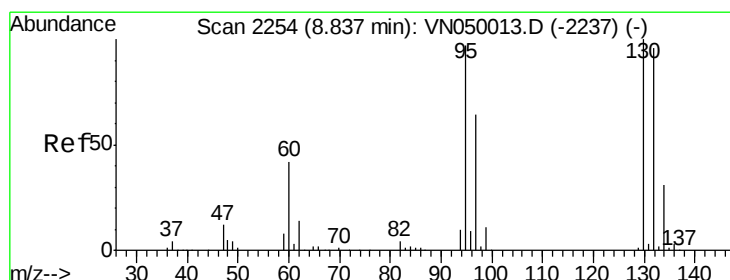
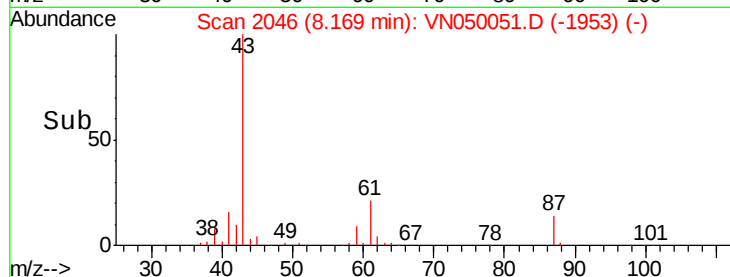
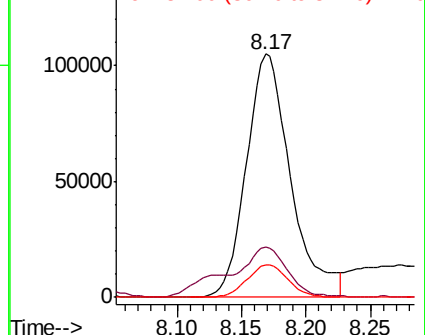
87 12.5 10.3 15.5



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: 18.74 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VN050051.D

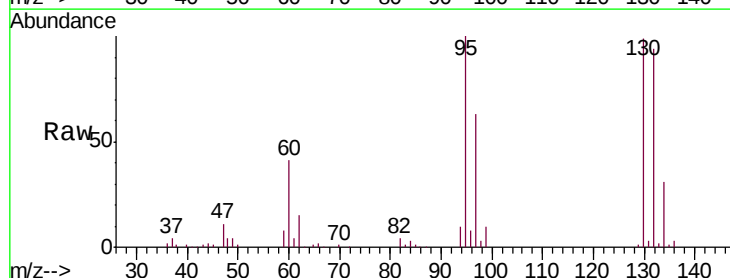
Acq: 25 Jul 2018 18:55

Tgt Ion:130 Resp: 154324

Ion Ratio Lower Upper

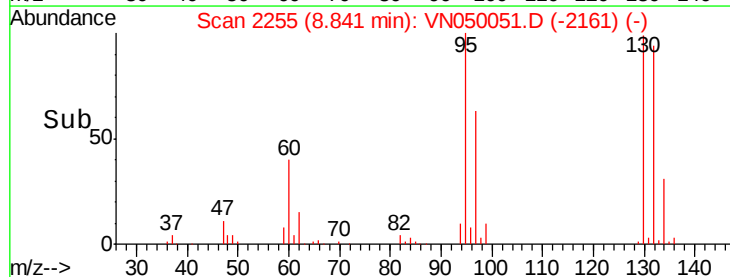
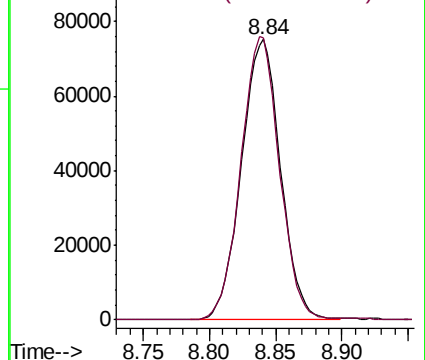
130 100

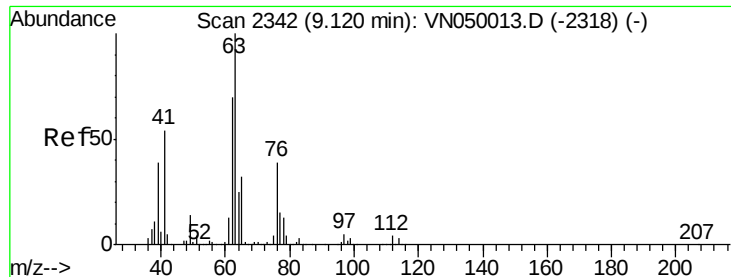
95 100.7 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

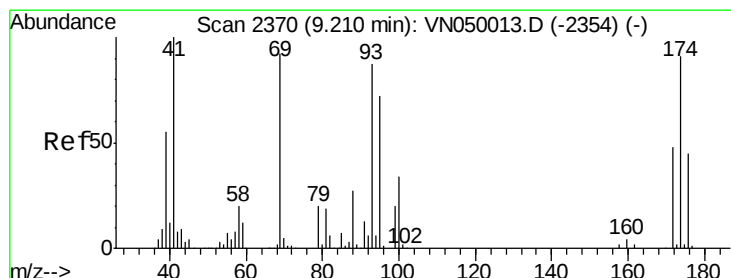
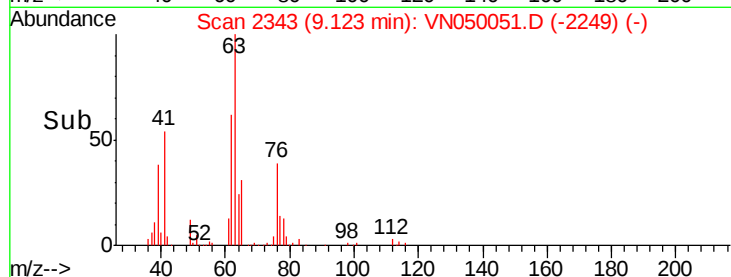
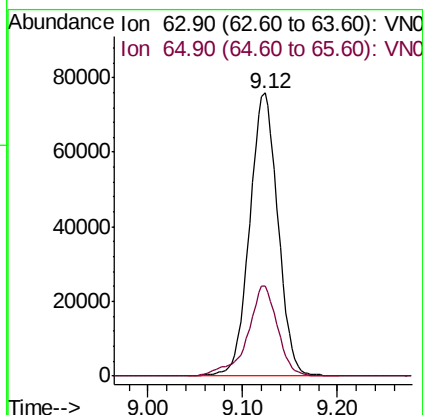
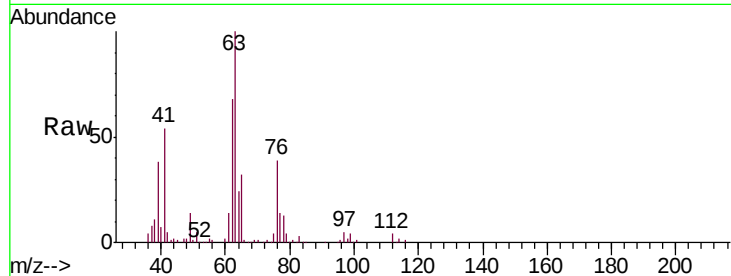




#45
 1,2-Dichloropropane
 Concen: 19.43 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

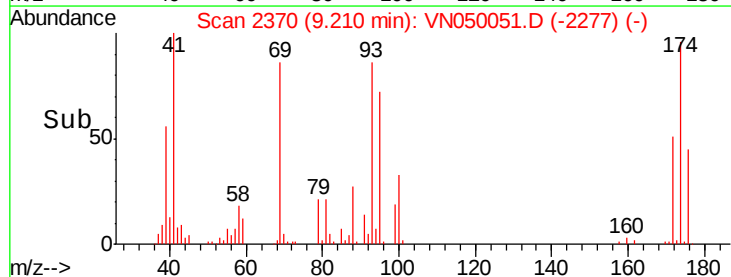
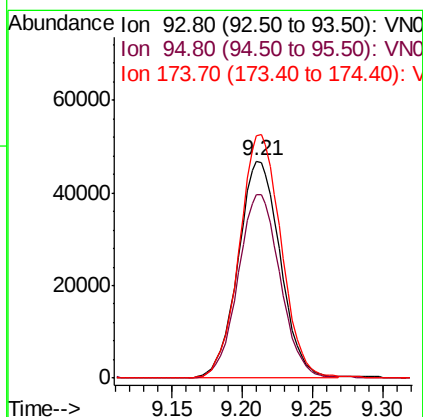
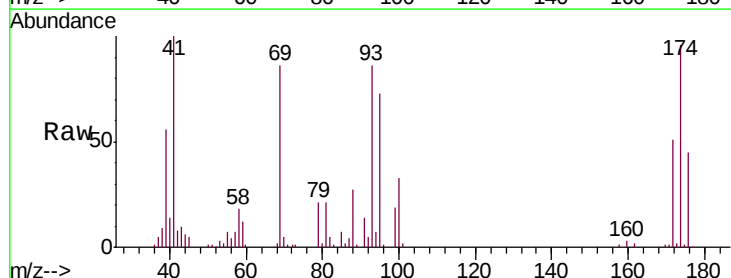
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

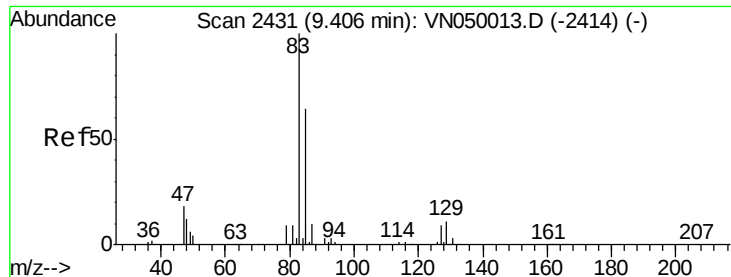
Tot Ion: 63 Resp: 157726
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.5 38.3



#46
 Dibromomethane
 Concen: 19.43 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion: 93 Resp: 97909
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.6 100.0
 174 111.5 87.1 130.7





#47

Bromodichloromethane

Concen: 19.06 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampled :

VN0725WBS02

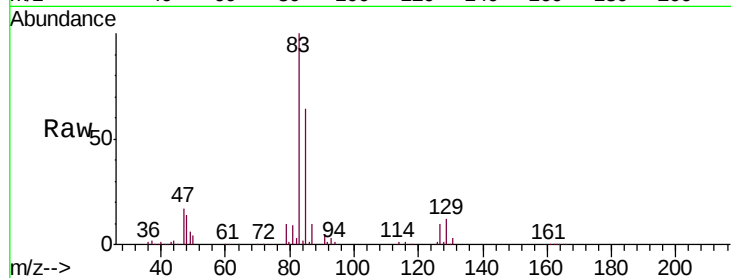
Tot Ion: 83 Resp: 202743

Ion Ratio Lower Upper

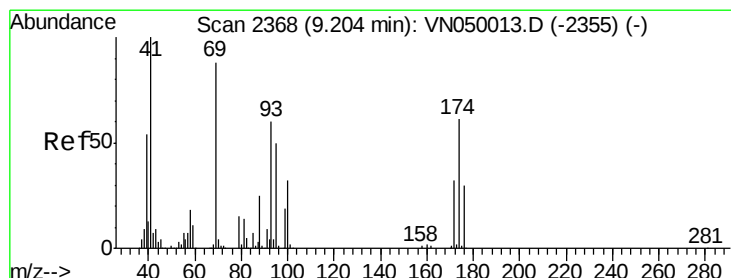
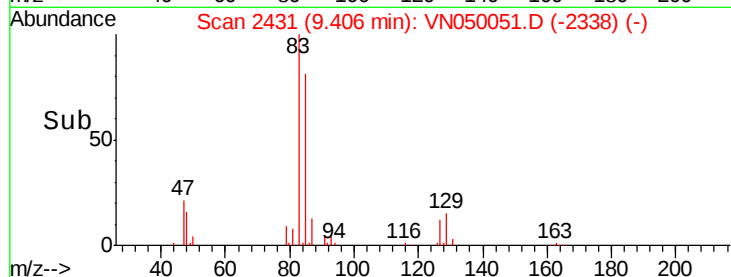
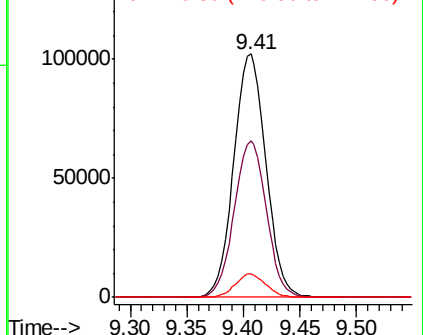
83 100

85 64.5 51.1 76.7

127 9.6 7.0 10.4



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



#48

Methyl methacrylate

Concen: 19.26 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

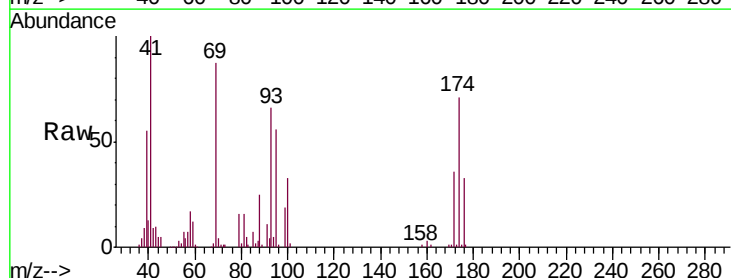
Tgt Ion: 41 Resp: 116499

Ion Ratio Lower Upper

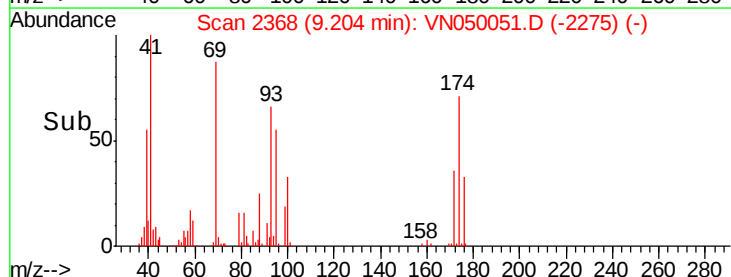
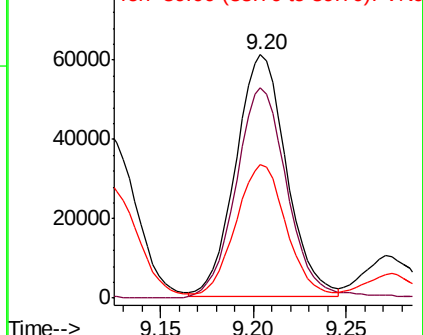
41 100

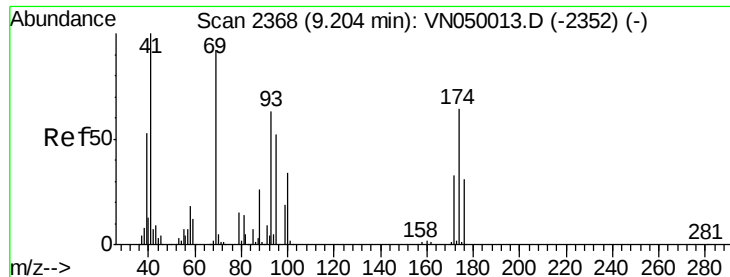
69 88.8 70.6 105.8

39 54.8 43.9 65.9



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

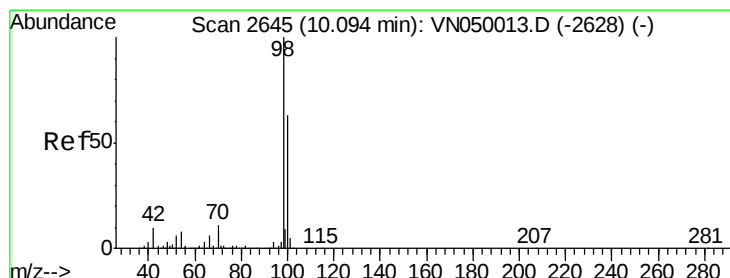
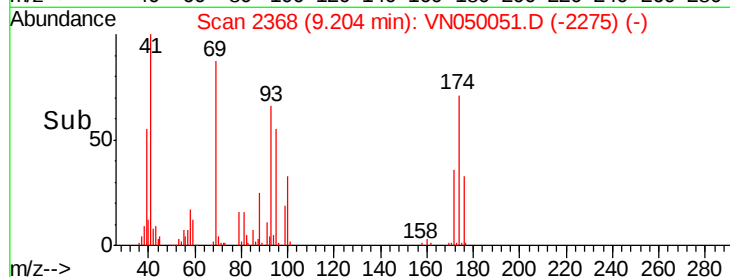
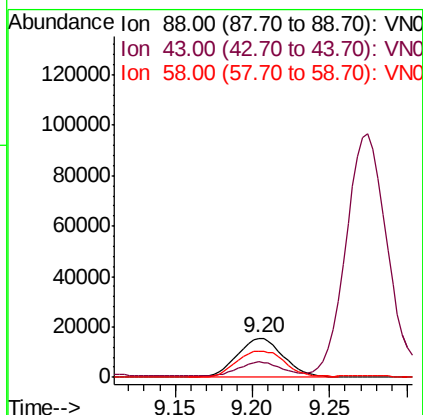
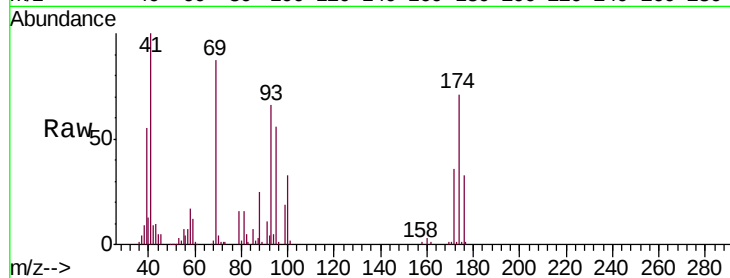




#49
1,4-Dioxane
Concen: 393.97 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

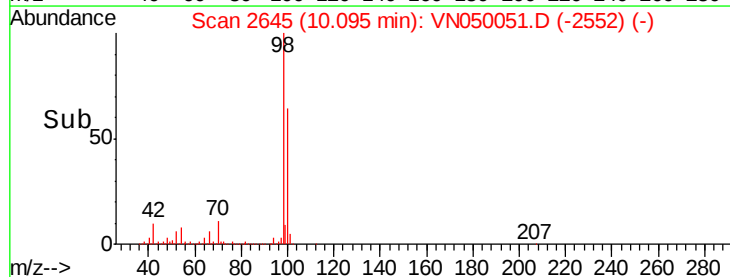
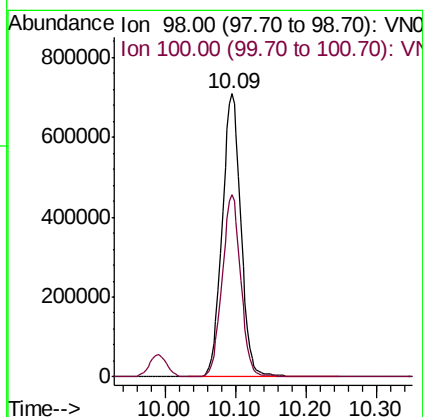
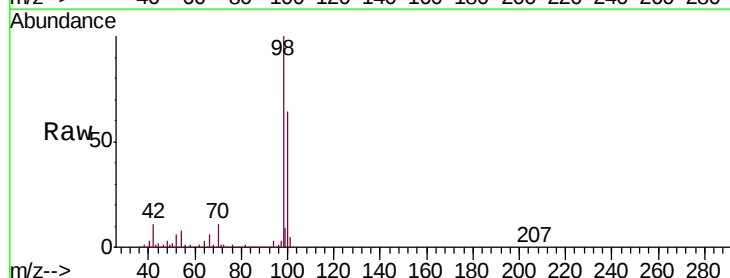
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

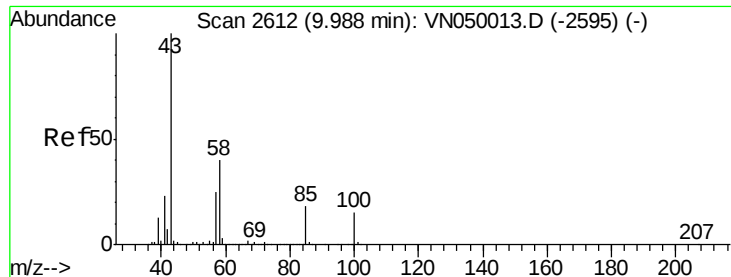
Tot Ion: 88 Resp: 32423
Ion Ratio Lower Upper
88 100
43 34.8 26.9 40.3
58 71.7 57.3 85.9



#50
Toluene-d8
Concen: 49.00 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion: 98 Resp: 1314706
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1

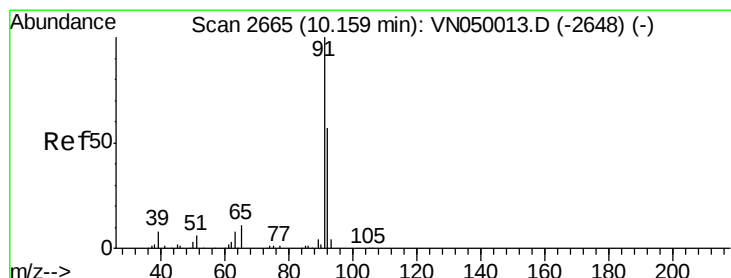
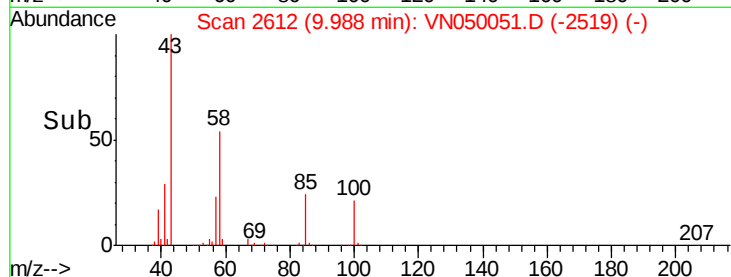
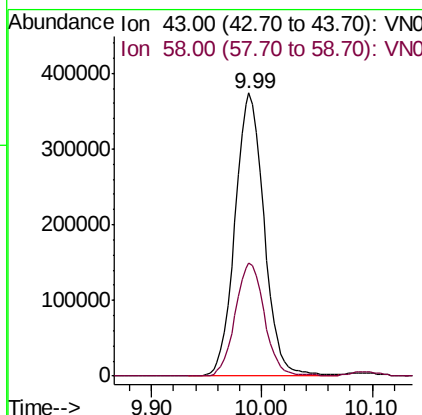
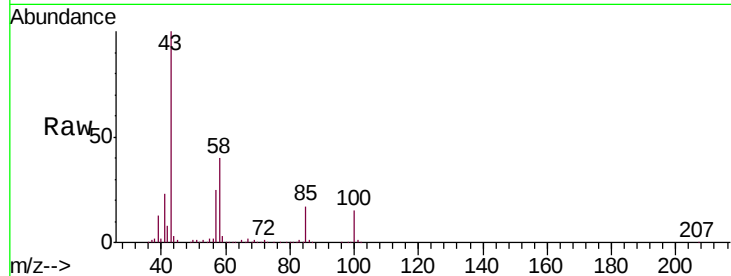




#51
 4-Methyl-2-Pentanone
 Concen: 98.76 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

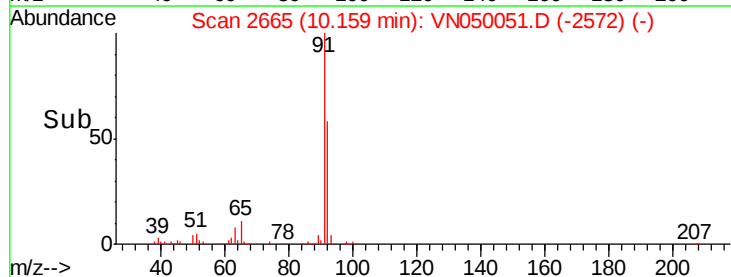
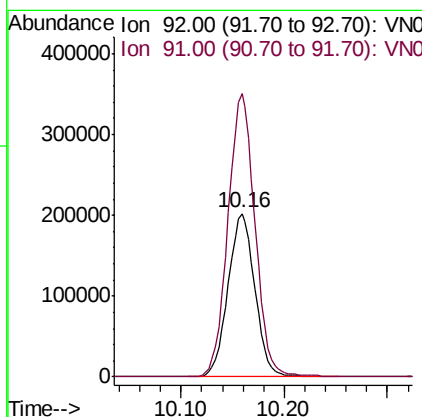
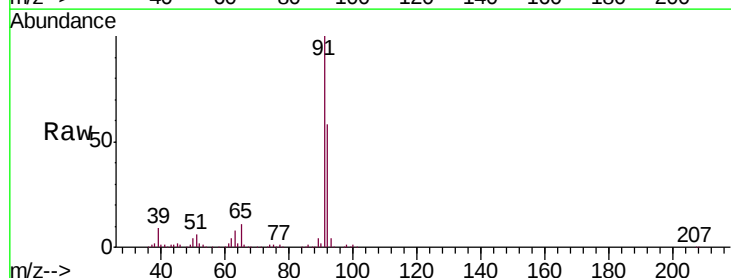
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

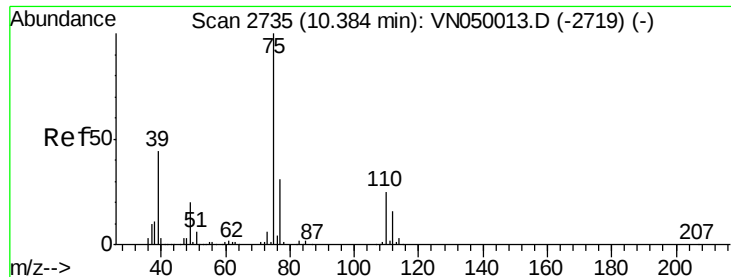
Tot Ion: 43 Resp: 681711
 Ion Ratio Lower Upper
 43 100
 58 40.3 31.9 47.9



#52
 Toluene
 Concen: 20.40 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion: 92 Resp: 369017
 Ion Ratio Lower Upper
 92 100
 91 174.0 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 19.17 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

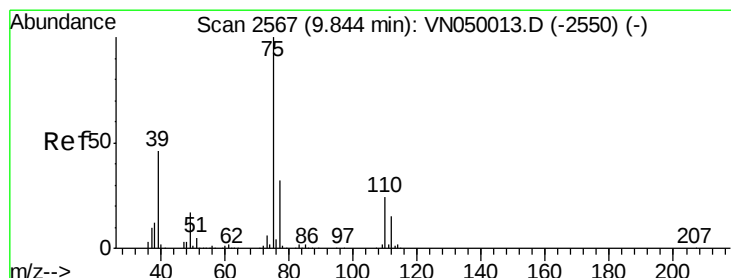
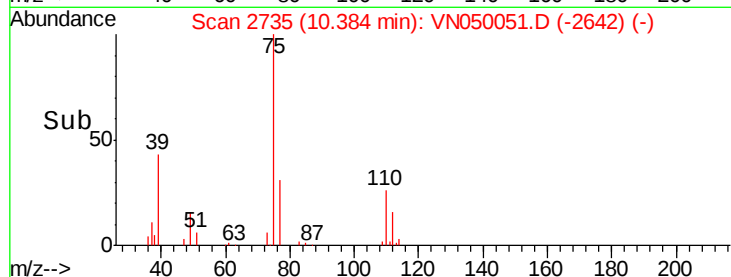
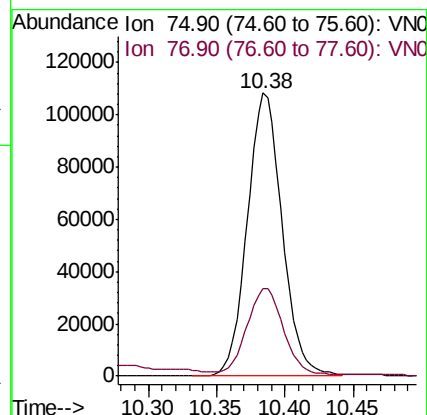
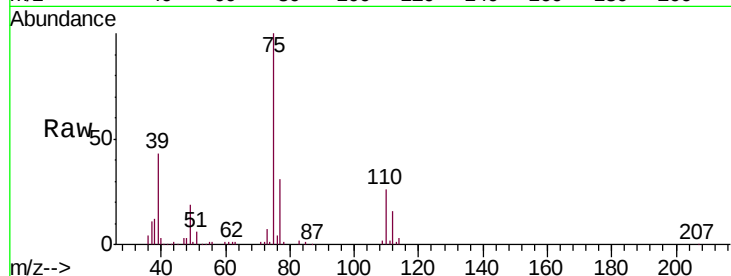
VN0725WBS02

Tot Ion: 75 Resp: 192482

Ion Ratio Lower Upper

75 100

77 30.2 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.44 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

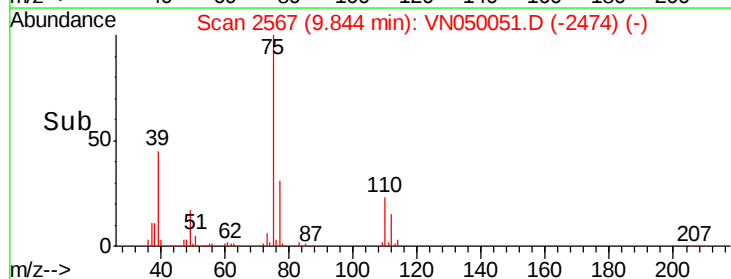
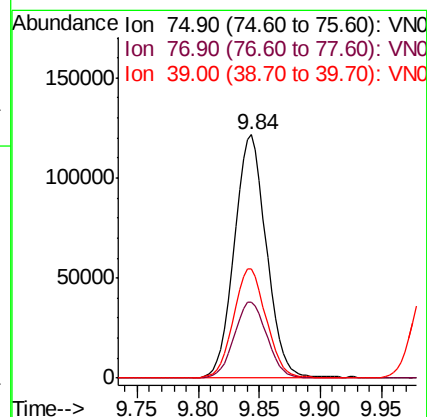
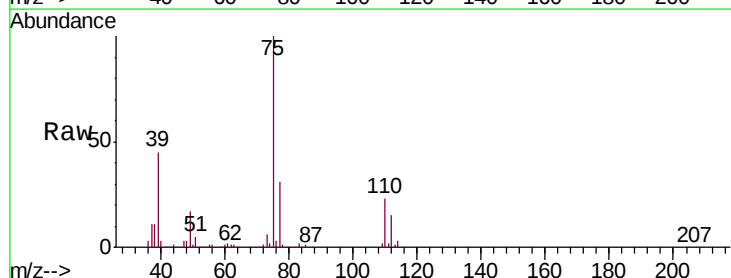
Tgt Ion: 75 Resp: 223036

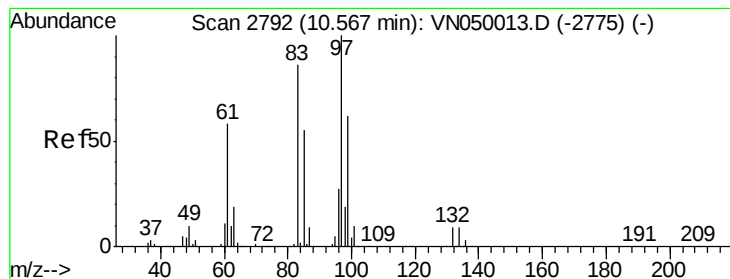
Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

39 44.7 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 19.80 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

Tot Ion: 97 Resp: 142071

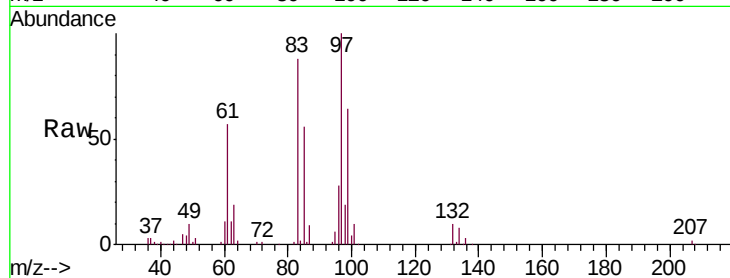
Ion Ratio Lower Upper

97 100

83 87.5 69.2 103.8

85 55.7 44.0 66.0

99 63.8 49.9 74.9

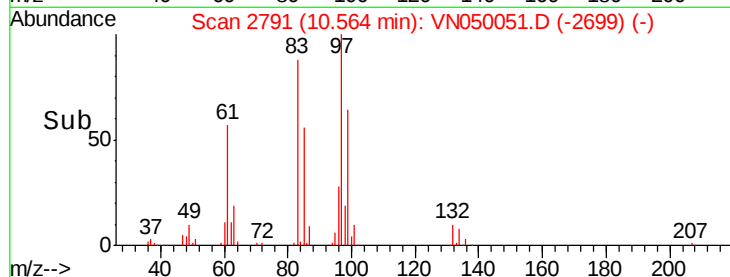


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



120000

100000

80000

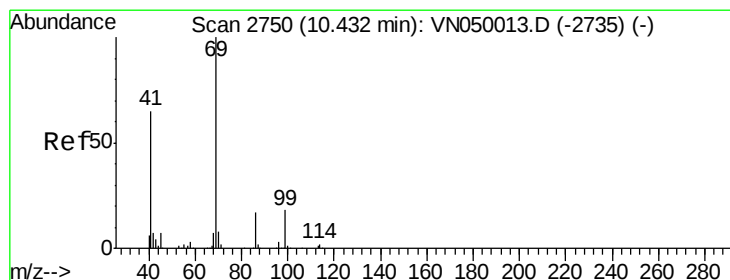
60000

40000

20000

0

Time-->



#56

Ethyl methacrylate

Concen: 18.30 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

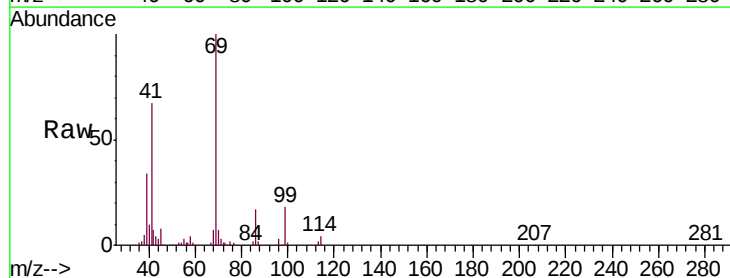
Tgt Ion: 69 Resp: 164865

Ion Ratio Lower Upper

69 100

41 63.7 51.0 76.4

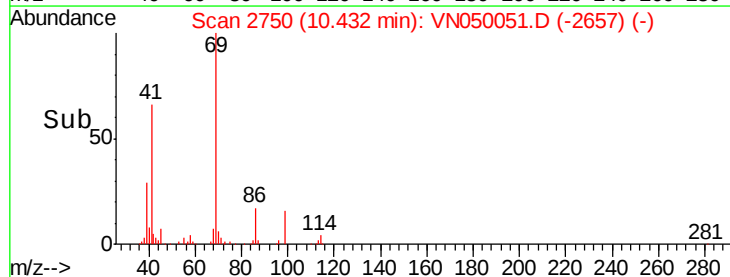
39 33.3 26.6 40.0



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



120000

100000

80000

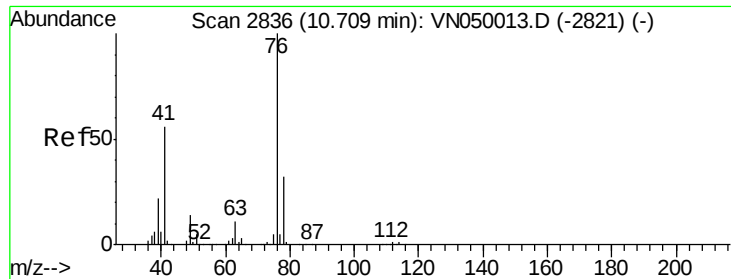
60000

40000

20000

0

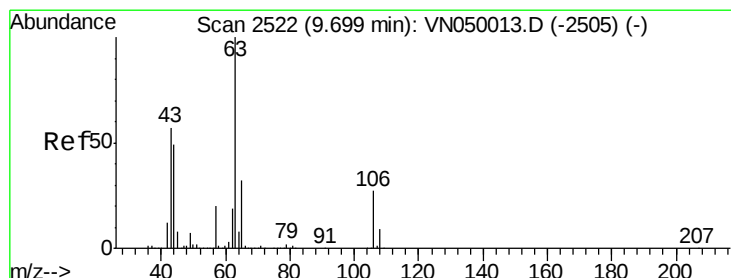
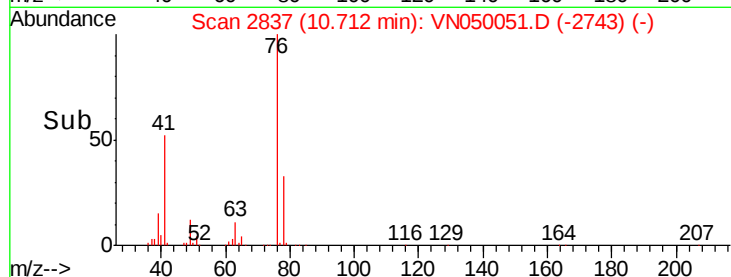
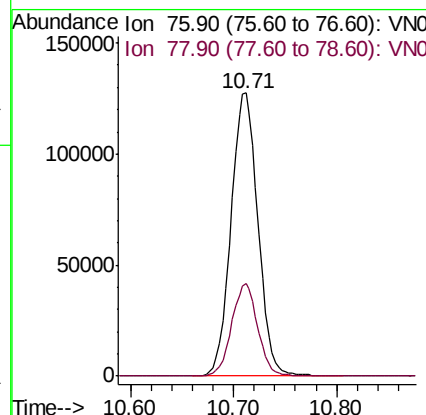
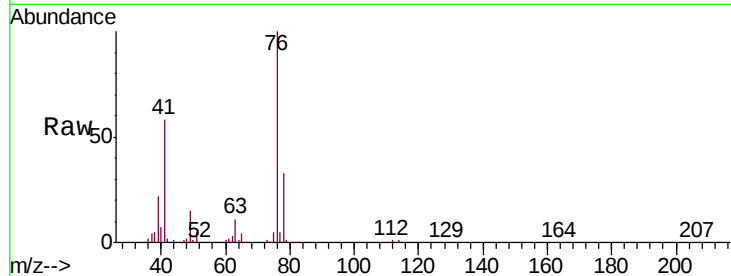
Time-->



#57
 1,3-Dichloropropane
 Concen: 19.83 ug/l
 RT: 10.71 min Scan# 2837
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

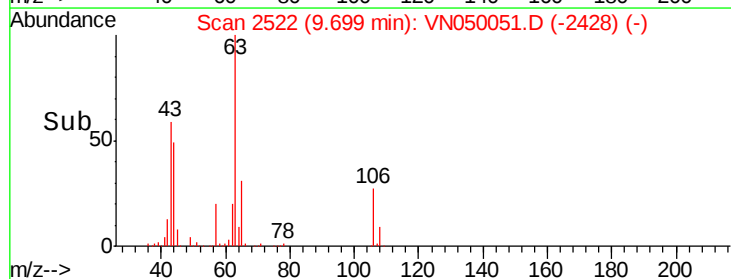
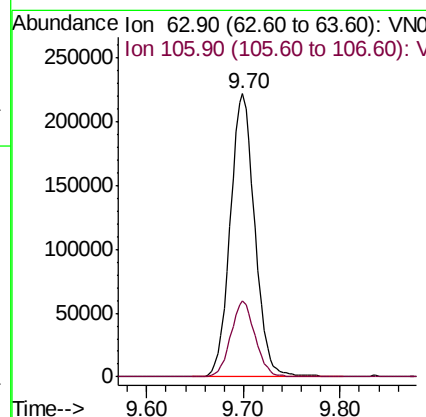
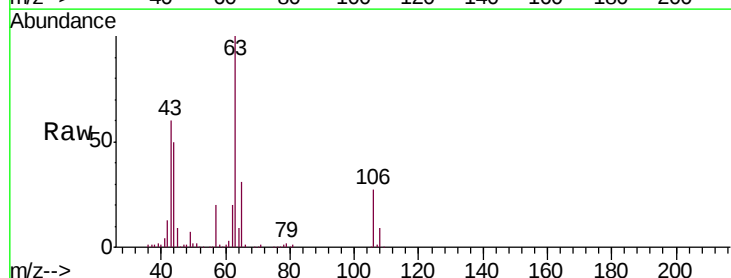
Instrument :
 MSVOA_N
 ClientSampled :
 VN0725WBS02

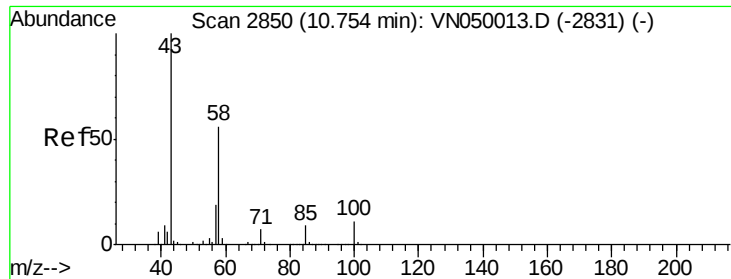
Tot Ion: 76 Resp: 231758
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.83 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion: 63 Resp: 391664
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.7 32.5

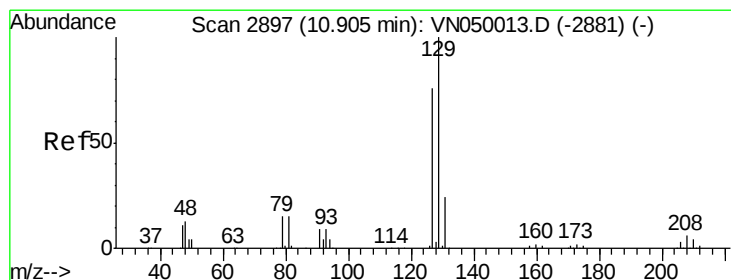
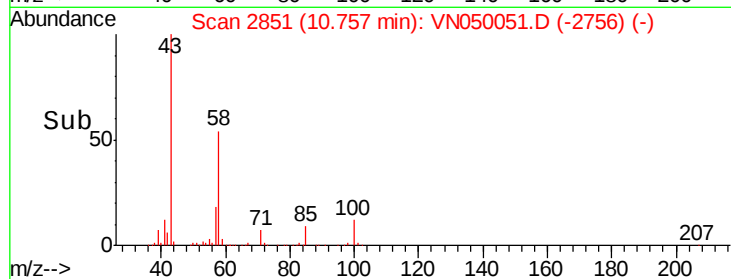
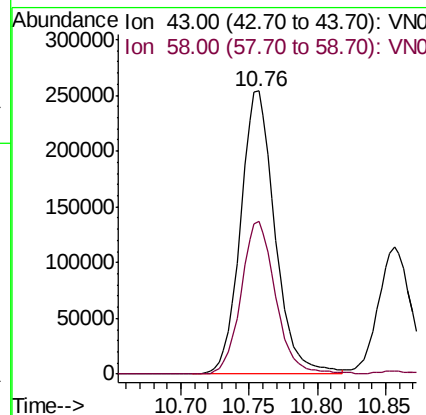
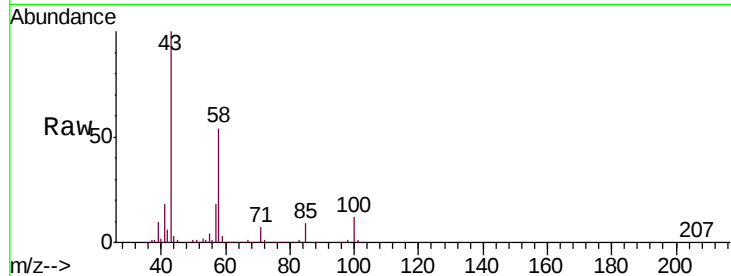




#59
2-Hexanone
Concen: 90.73 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

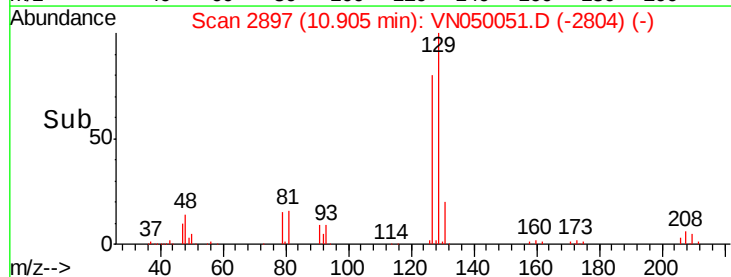
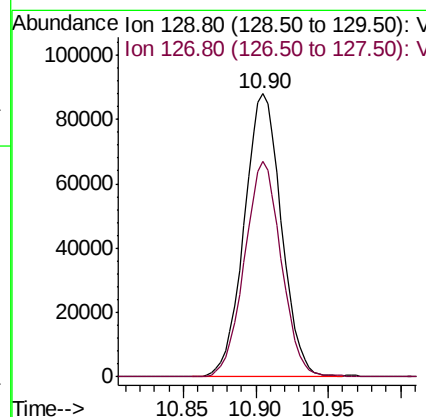
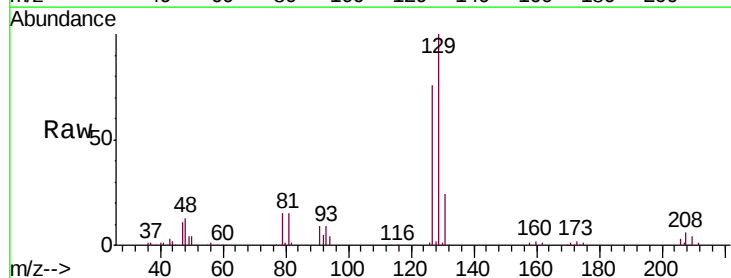
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

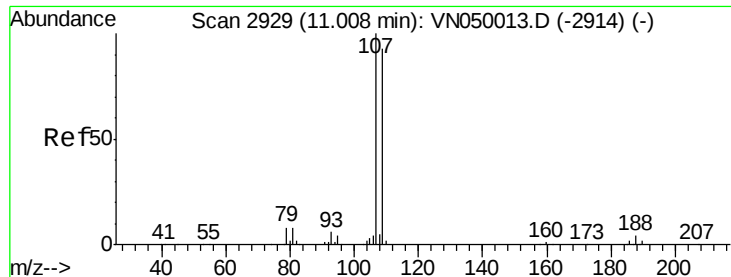
Tot Ion: 43 Resp: 443127
Ion Ratio Lower Upper
43 100
58 54.2 27.6 82.7



#60
Dibromochloromethane
Concen: 19.75 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion: 129 Resp: 156912
Ion Ratio Lower Upper
129 100
127 75.3 38.0 113.9

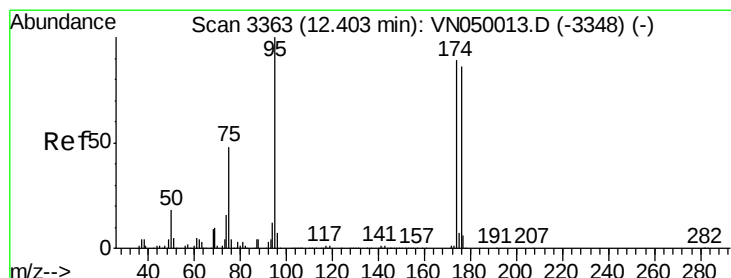
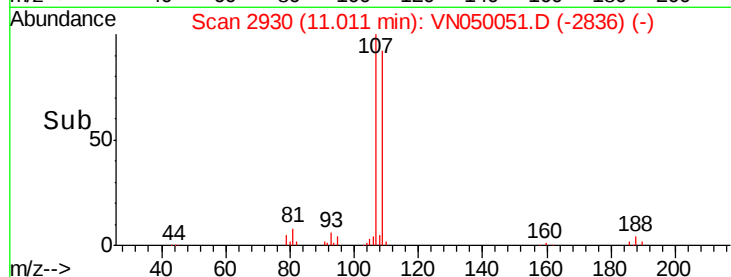
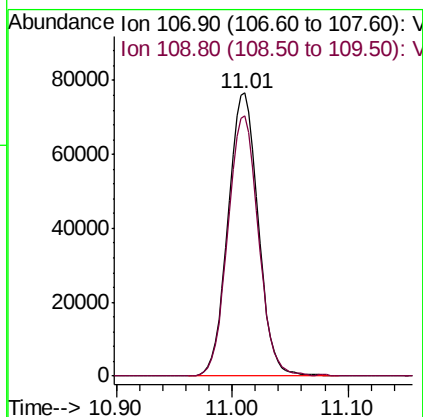
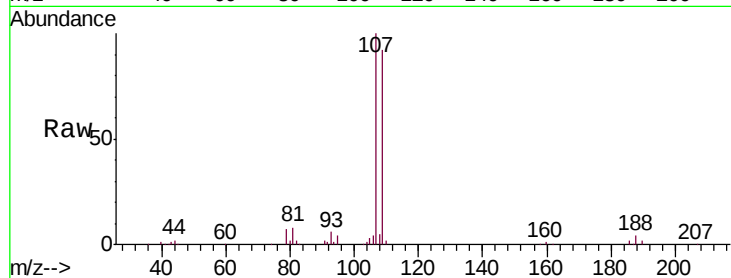




#61
 1,2-Dibromoethane
 Concen: 19.33 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

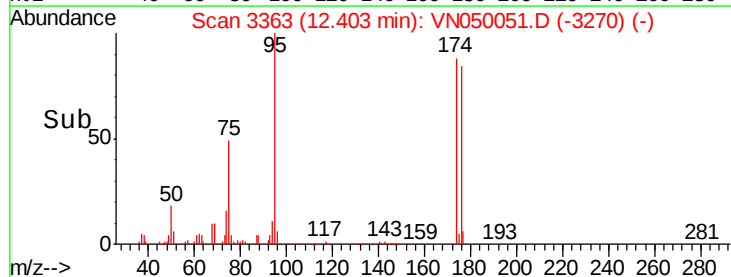
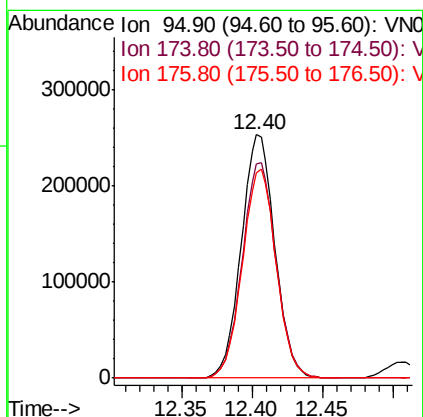
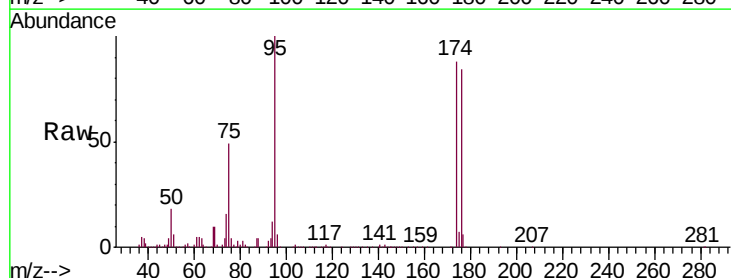
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

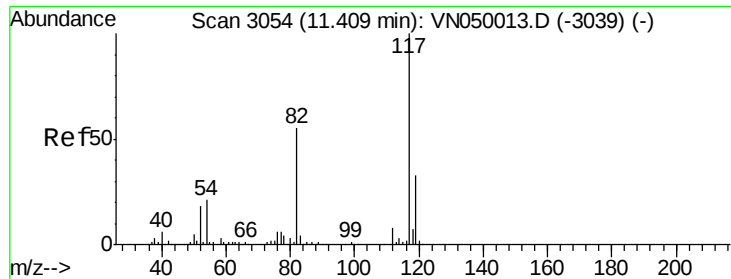
Tot Ion:107 Resp: 137622
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 47.85 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion: 95 Resp: 422744
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 178.2
 176 86.4 0.0 173.4

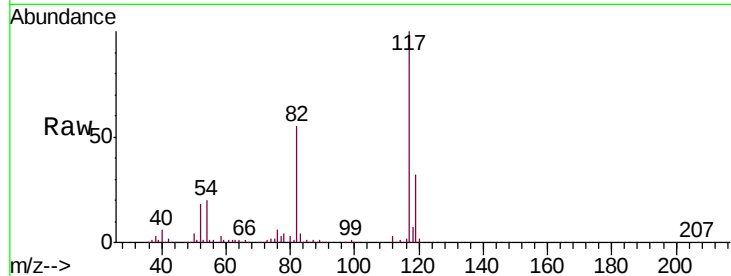




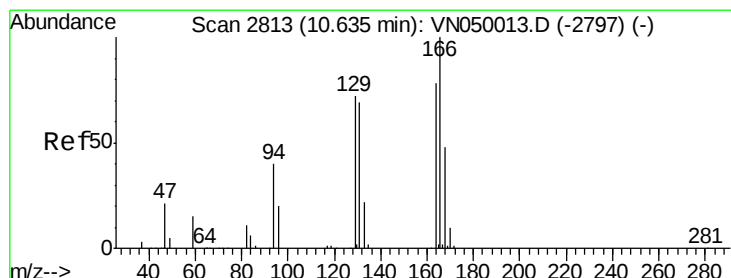
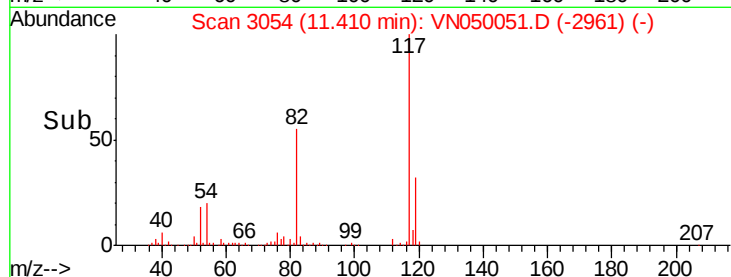
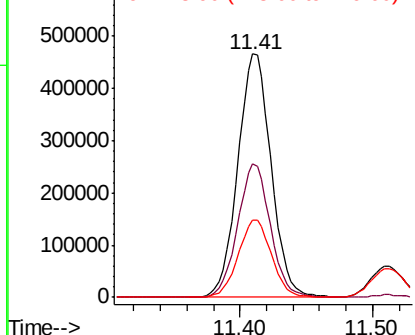
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

Tot Ion:117 Resp: 812620
Ion Ratio Lower Upper
117 100
82 54.9 43.7 65.5
119 31.7 26.1 39.1

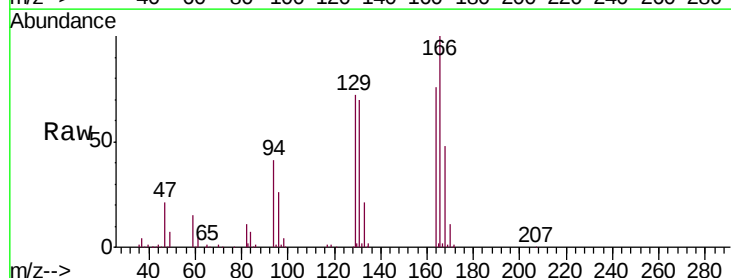


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

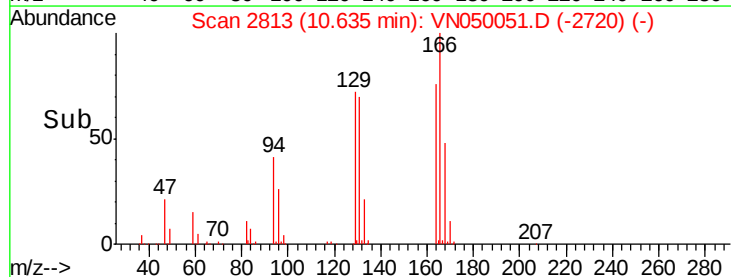
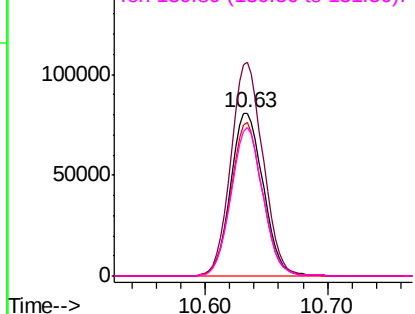


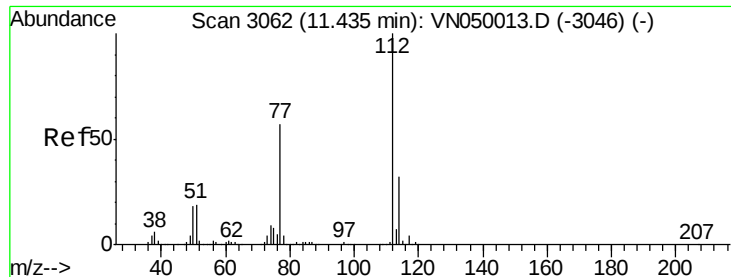
#64
Tetrachloroethene
Concen: 19.27 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion:164 Resp: 150582
Ion Ratio Lower Upper
164 100
166 131.0 102.1 153.1
129 93.9 73.2 109.8
131 91.2 70.6 106.0



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

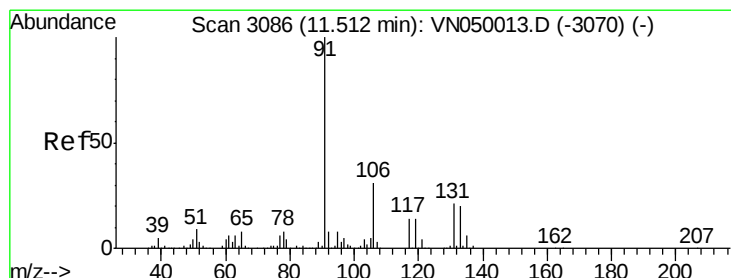
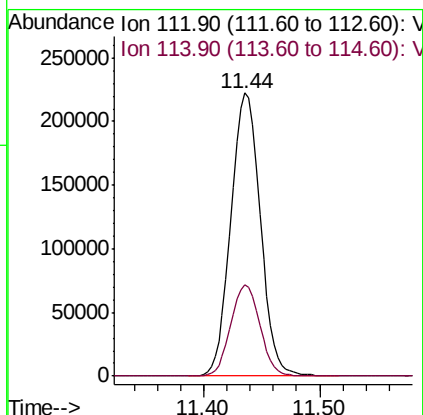
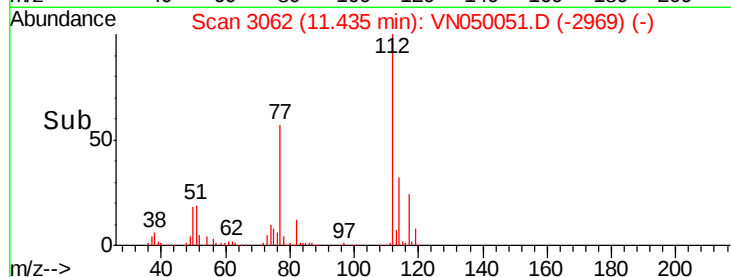
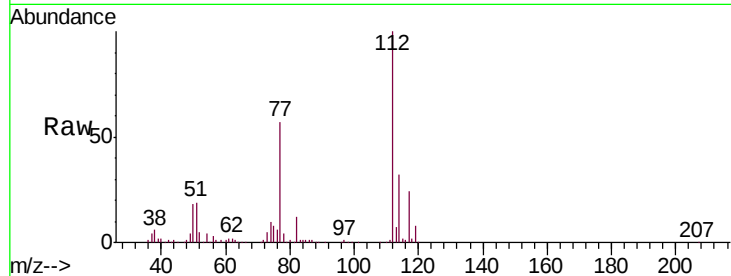




#65
Chlorobenzene
Concen: 19.04 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

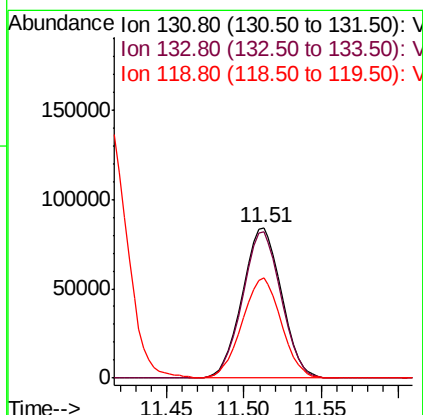
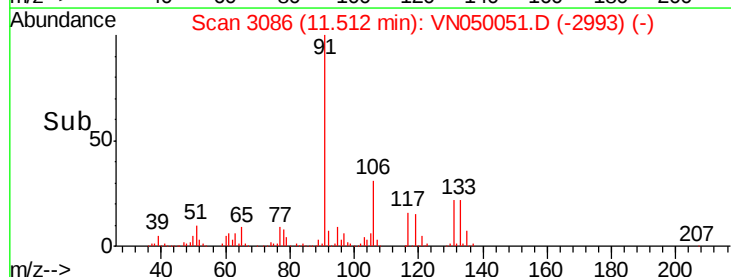
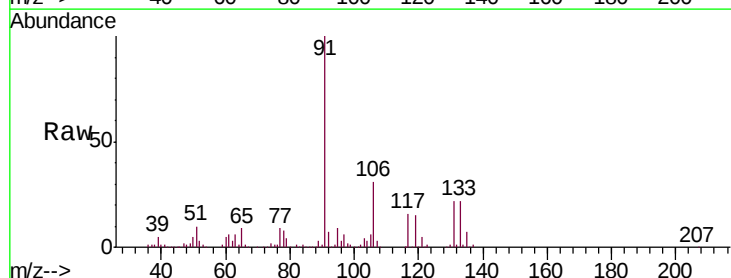
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

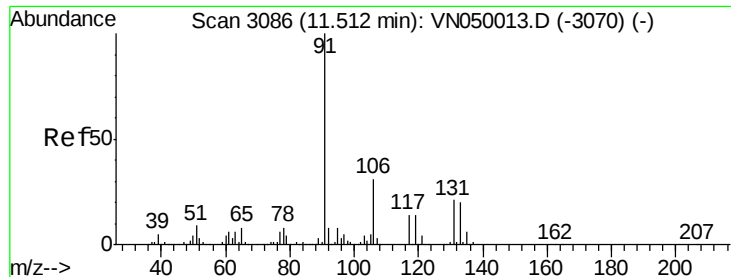
Tot Ion:112 Resp: 390774
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.90 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion:131 Resp: 149060
Ion Ratio Lower Upper
131 100
133 95.9 47.3 141.9
119 66.5 32.9 98.7





#67

Ethyl Benzene

Concen: 19.47 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampled :

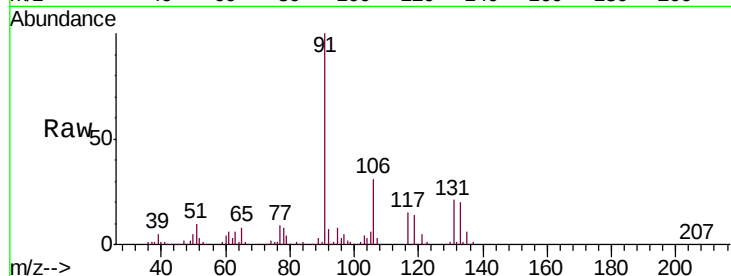
VN0725WBS02

Tot Ion: 91 Resp: 641958

Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050013.D (-3070) (-)

Ion 106.00 (105.70 to 106.70): VN050013.D (-3070) (-)

600000

500000

400000

300000

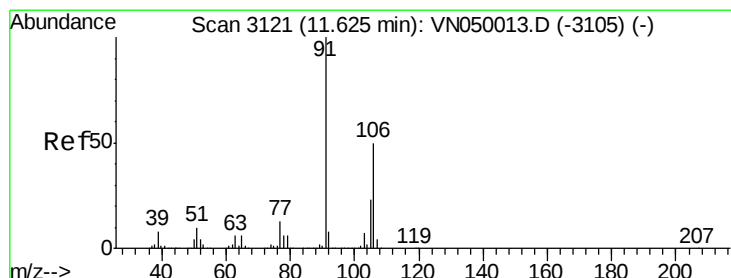
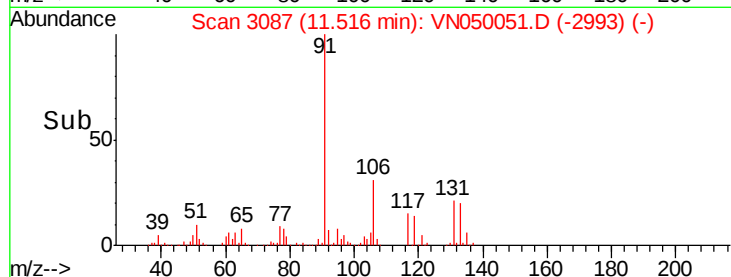
200000

100000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 40.26 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050051.D

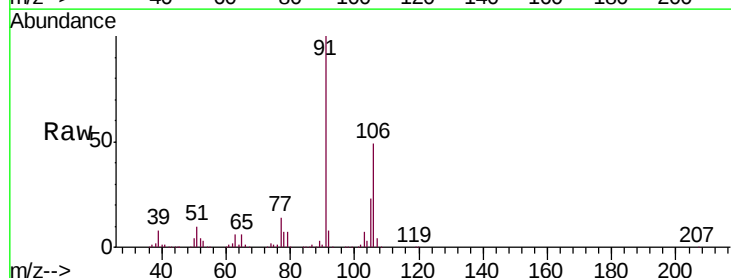
Acq: 25 Jul 2018 18:55

Tgt Ion: 106 Resp: 502171

Ion Ratio Lower Upper

106 100

91 203.0 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VN050013.D (-3105) (-)

Ion 91.00 (90.70 to 91.70): VN050013.D (-3105) (-)

600000

500000

400000

300000

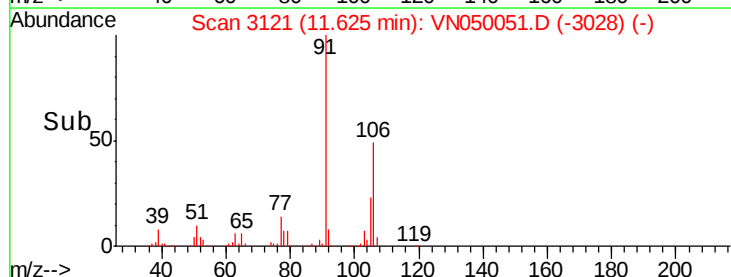
200000

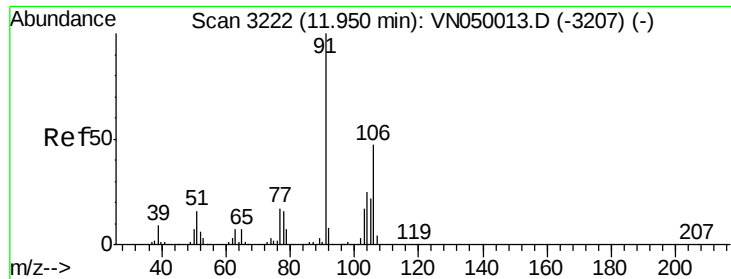
100000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->

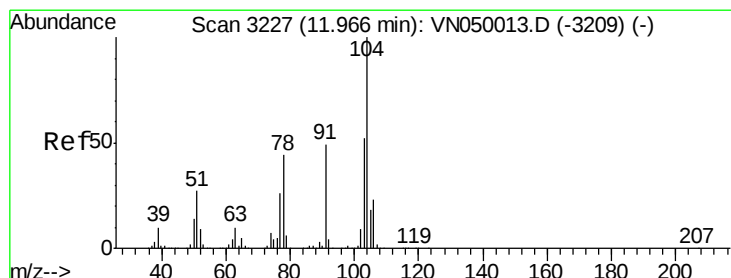
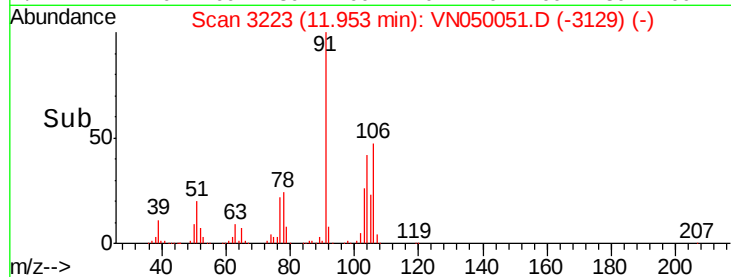
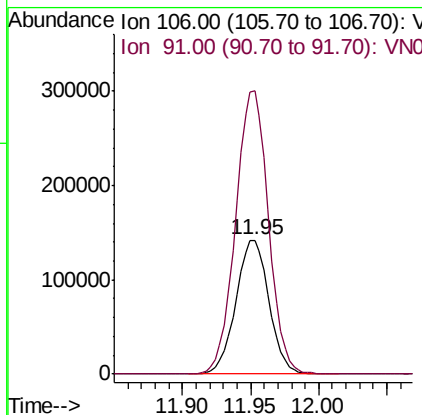
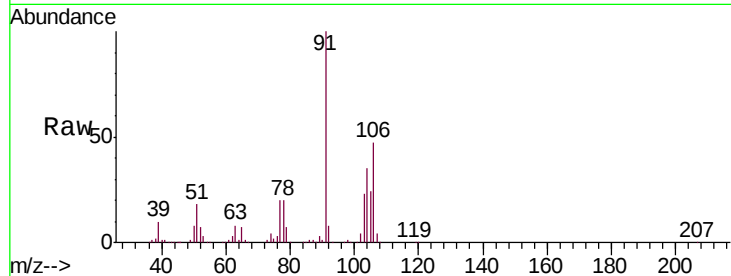




#69
o-Xylene
Concen: 20.07 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

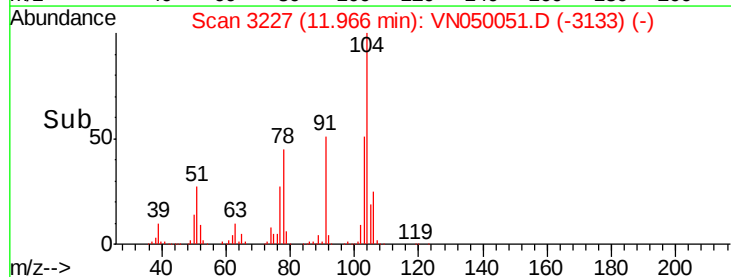
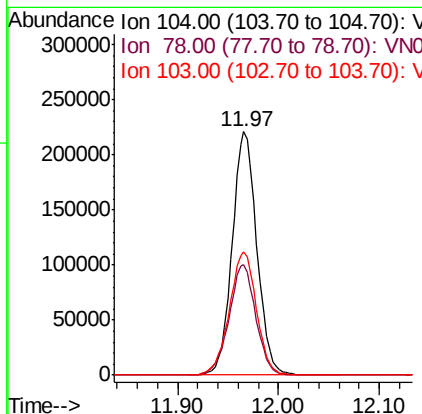
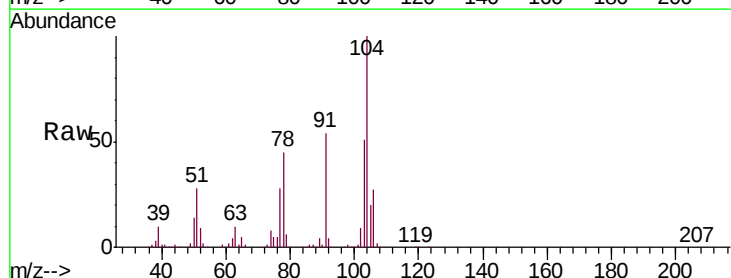
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

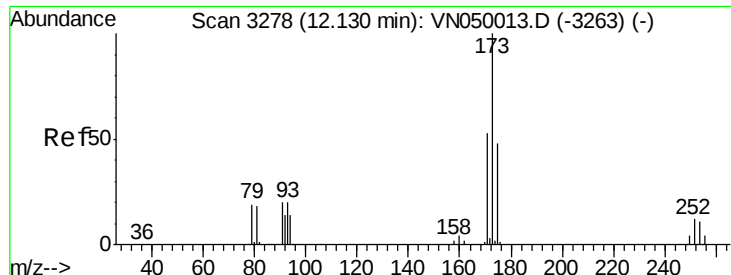
Tot Ion:106 Resp: 238597
Ion Ratio Lower Upper
106 100
91 210.9 107.7 323.1



#70
Styrene
Concen: 18.36 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion:104 Resp: 375594
Ion Ratio Lower Upper
104 100
78 49.2 39.3 58.9
103 55.7 45.0 67.6

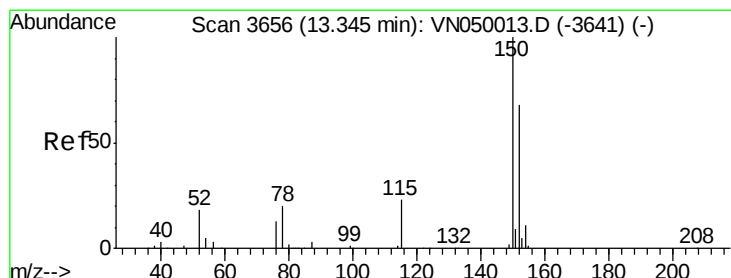
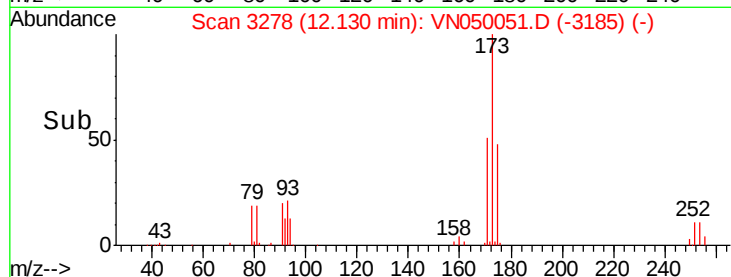
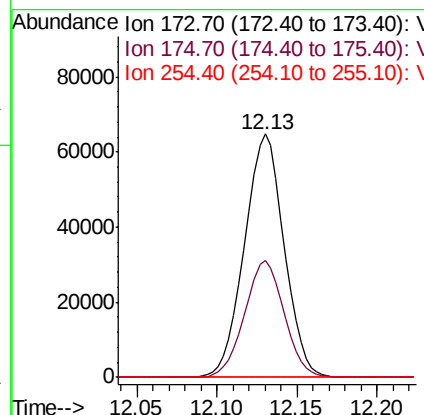
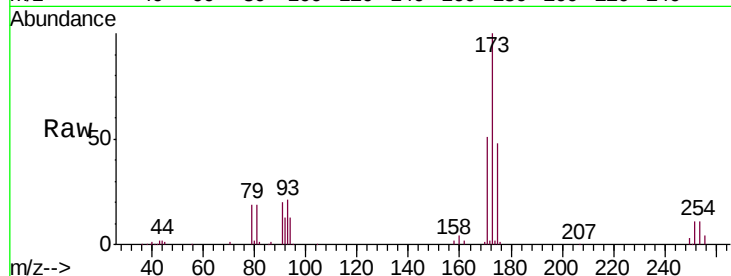




#71
Bromoform
Concen: 19.01 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

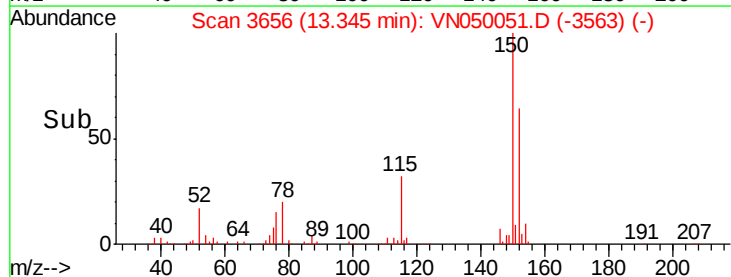
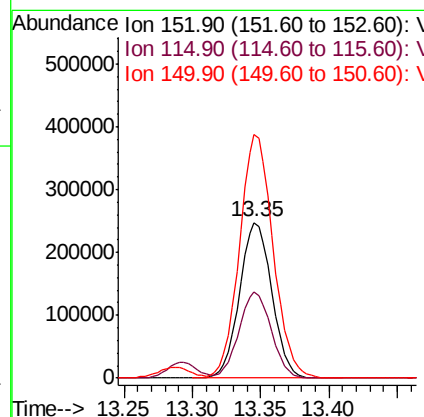
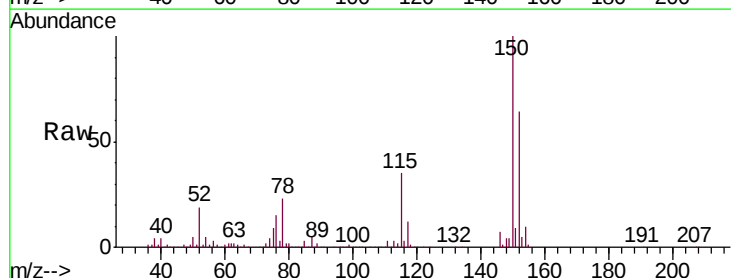
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

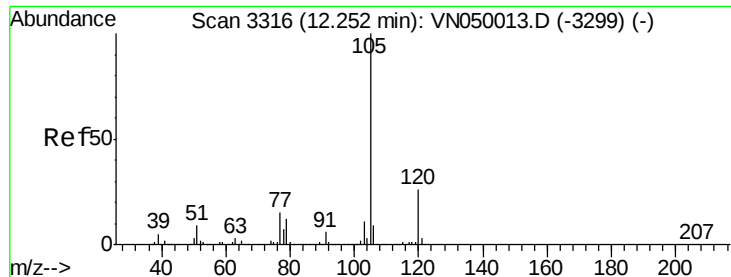
Tot Ion:173 Resp: 109087
Ion Ratio Lower Upper
173 100
175 48.0 24.1 72.2
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion:152 Resp: 406580
Ion Ratio Lower Upper
152 100
115 55.1 27.8 83.3
150 162.7 0.0 348.6





#73

Isopropylbenzene

Concen: 19.99 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

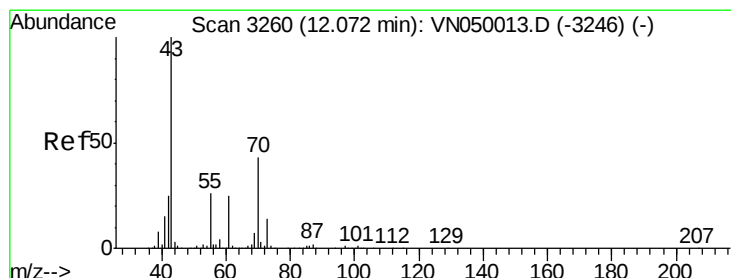
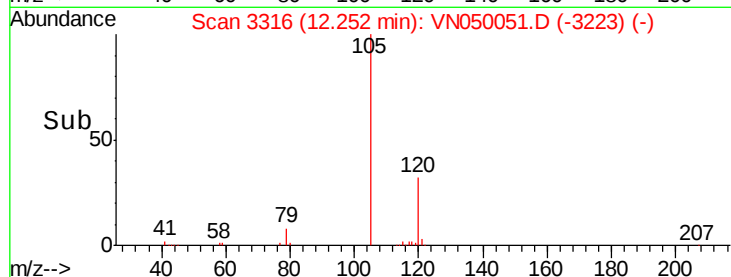
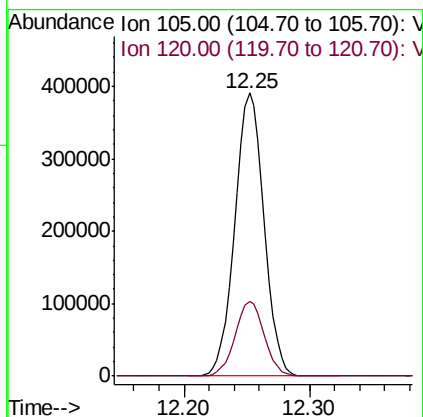
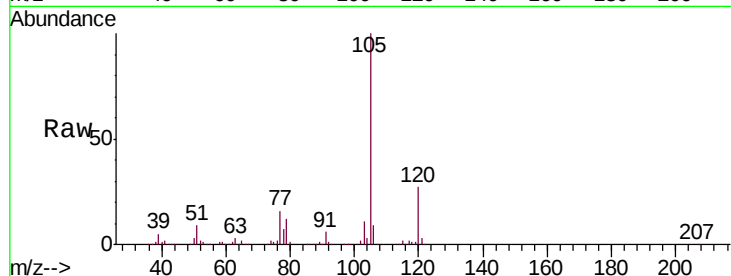
VN0725WBS02

Tot Ion:105 Resp: 630444

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 18.25 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Tgt Ion: 43 Resp: 175908

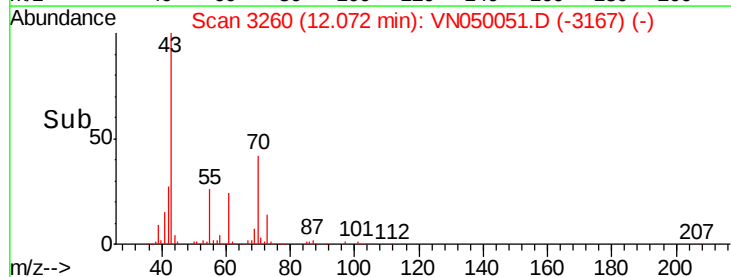
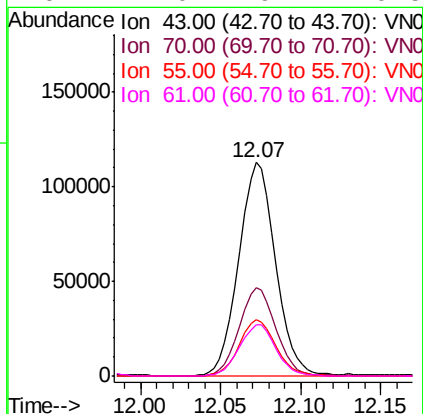
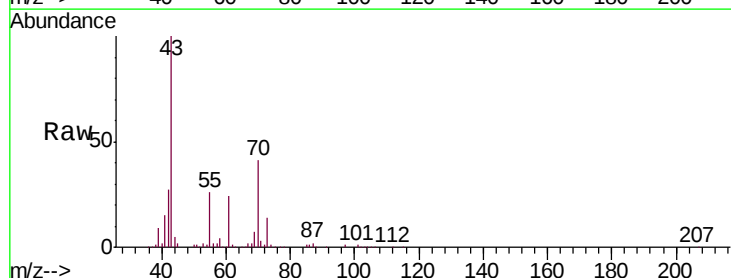
Ion Ratio Lower Upper

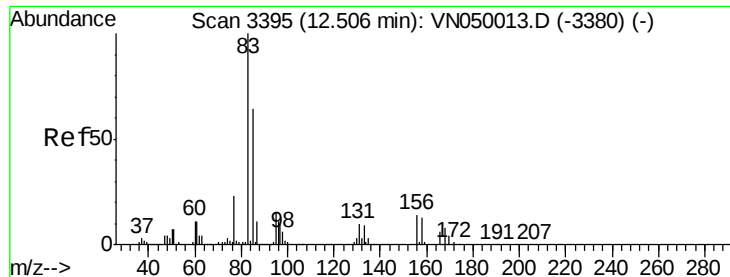
43 100

70 41.5 34.4 51.6

55 26.5 20.8 31.2

61 24.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.16 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampled :

VN0725WBS02

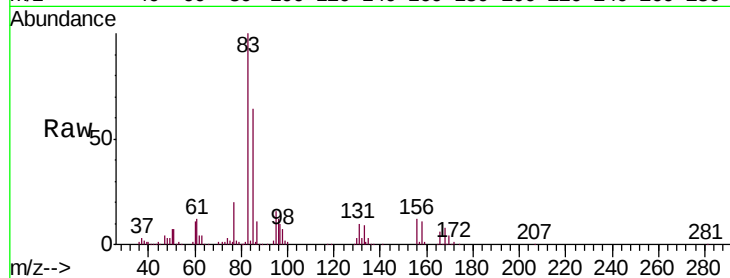
Tot Ion: 83 Resp: 178688

Ion Ratio Lower Upper

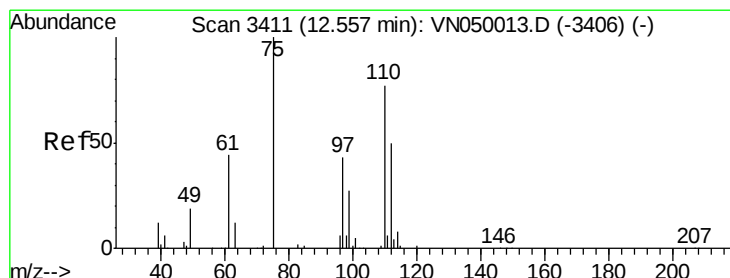
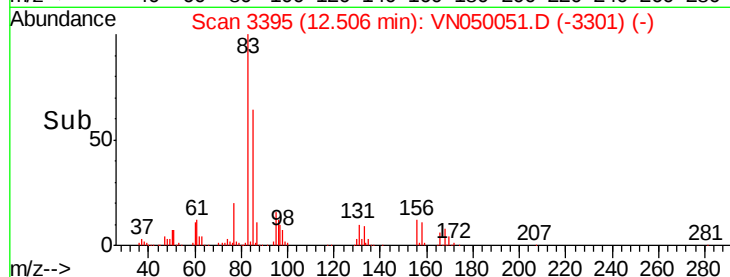
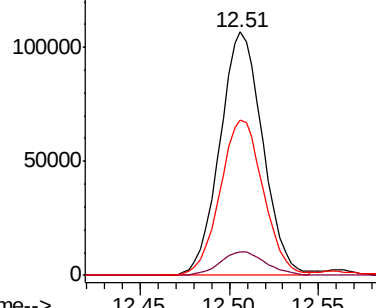
83 100

131 10.3 5.1 15.3

85 64.6 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 28.25 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050051.D

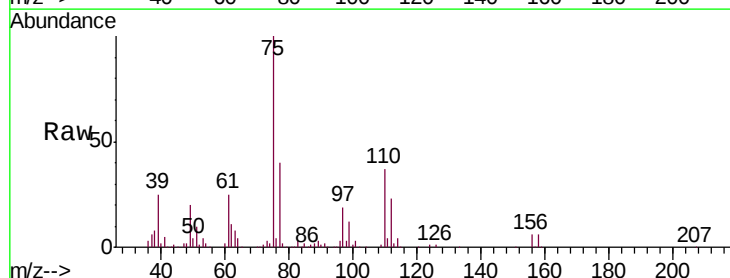
Acq: 25 Jul 2018 18:55

Tgt Ion: 75 Resp: 213480

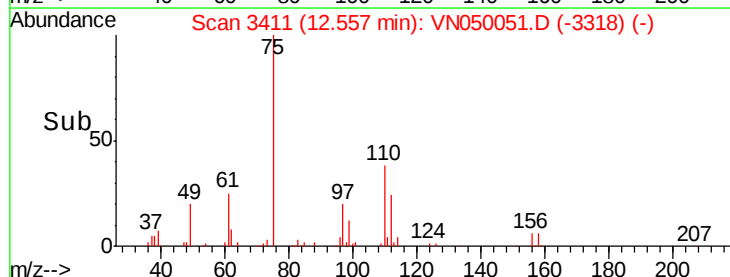
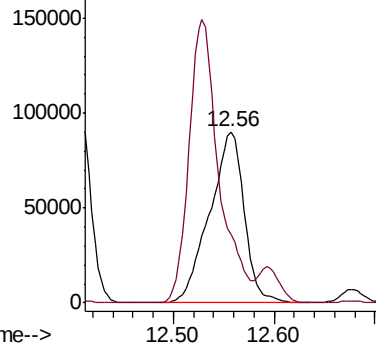
Ion Ratio Lower Upper

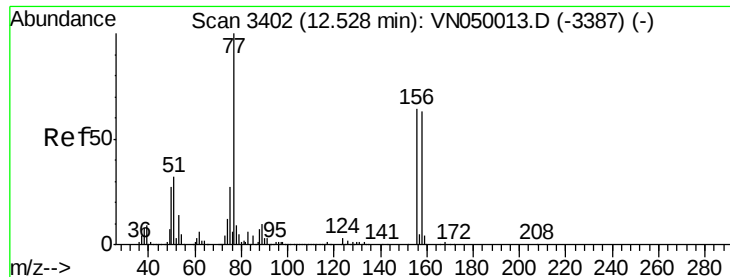
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 19.10 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

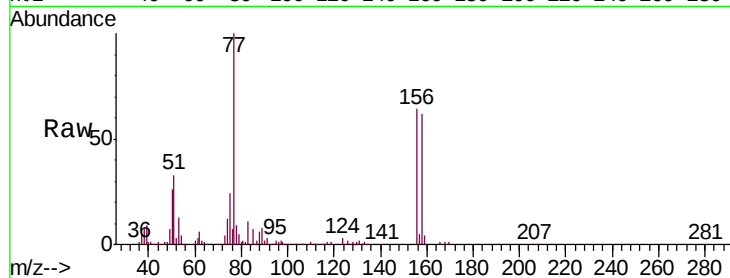
Tot Ion:156 Resp: 166950

Ion Ratio Lower Upper

156 100

77 185.4 91.7 275.1

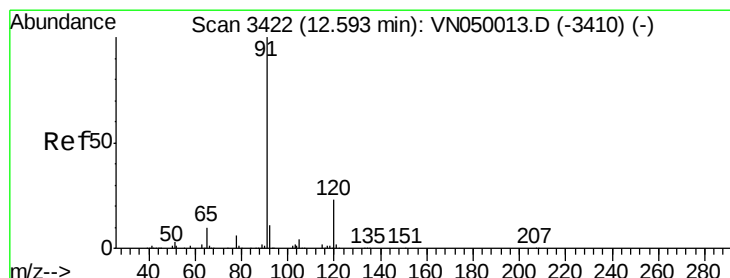
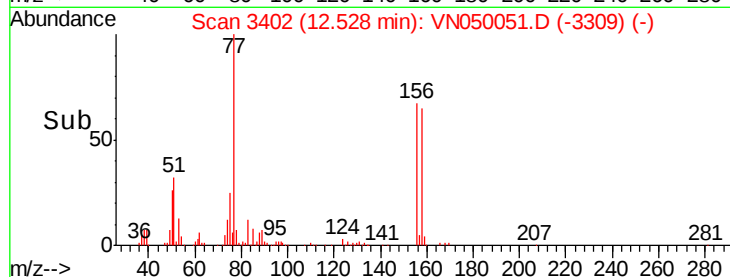
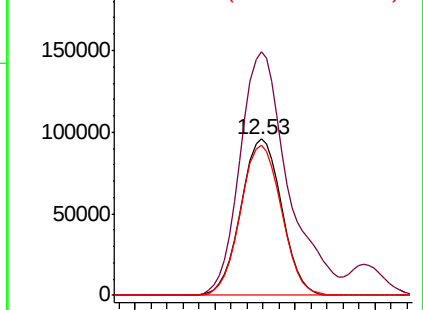
158 96.3 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.20 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050051.D

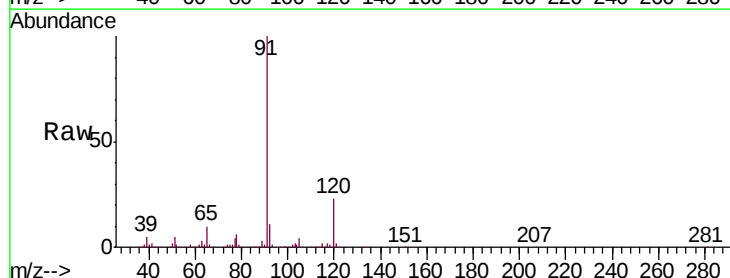
Acq: 25 Jul 2018 18:55

Tgt Ion: 91 Resp: 711830

Ion Ratio Lower Upper

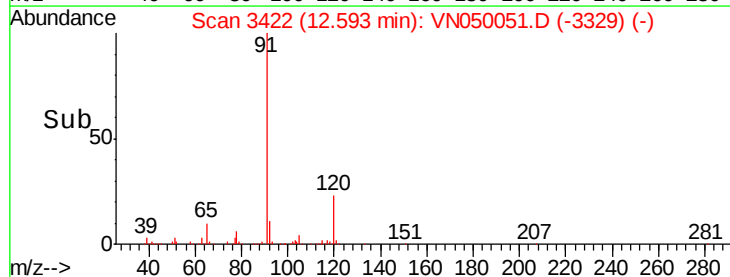
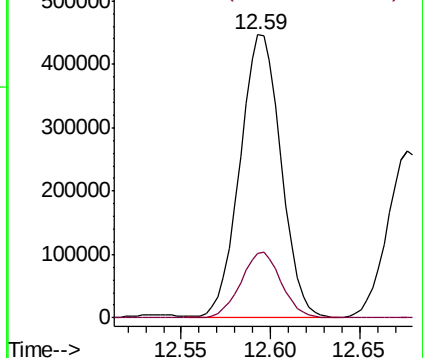
91 100

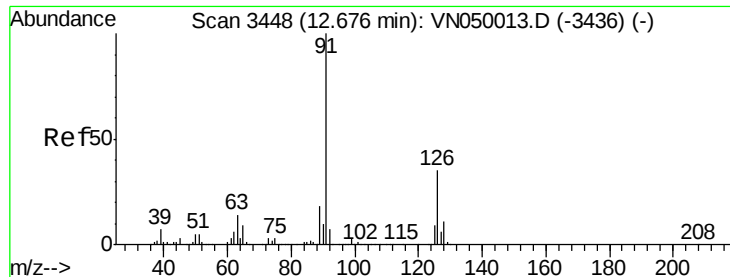
120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.05 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

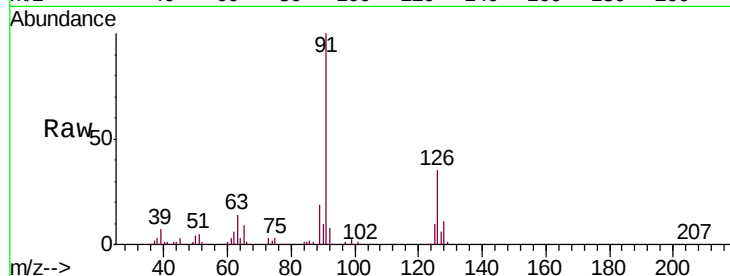
VN0725WBS02

Tot Ion: 91 Resp: 437978

Ion Ratio Lower Upper

91 100

126 35.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050013.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN050013.D (-3436) (-)

400000

300000

200000

100000

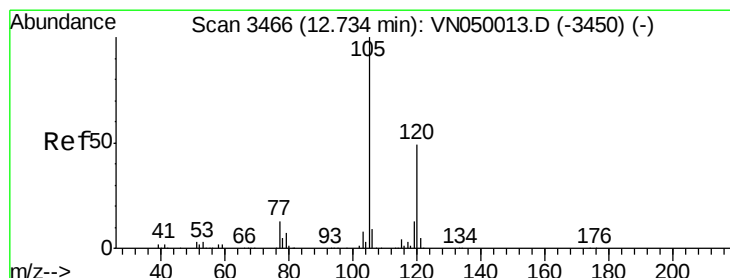
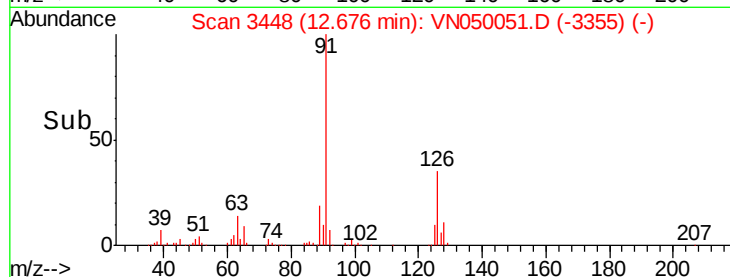
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.00 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN050051.D

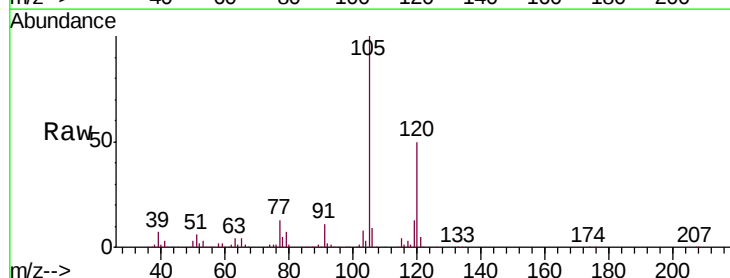
Acq: 25 Jul 2018 18:55

Tgt Ion: 105 Resp: 520910

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050013.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN050013.D (-3450) (-)

300000

200000

100000

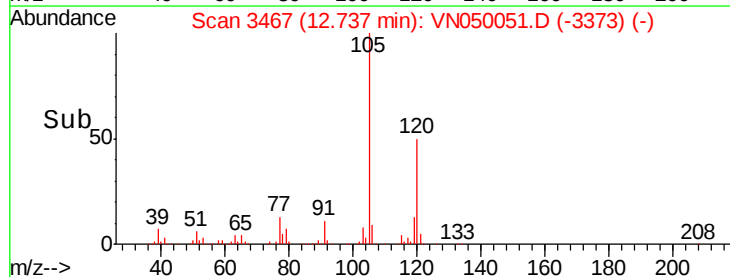
0

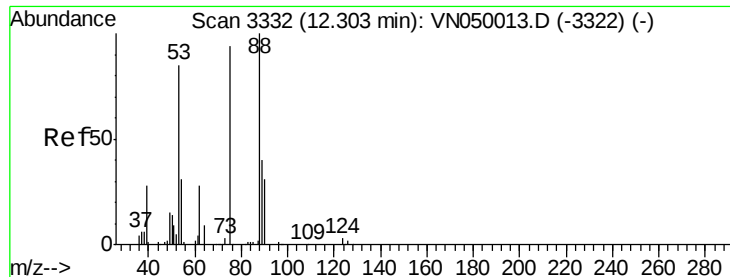
12.70

12.74

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.33 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

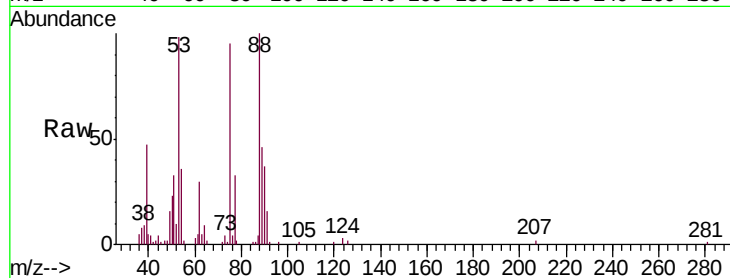
Tot Ion: 75 Resp: 43674

Ion Ratio Lower Upper

75 100

53 97.9 73.5 110.3

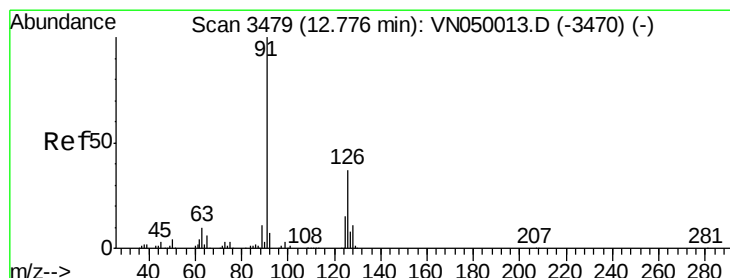
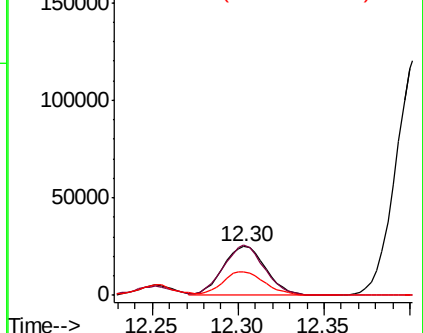
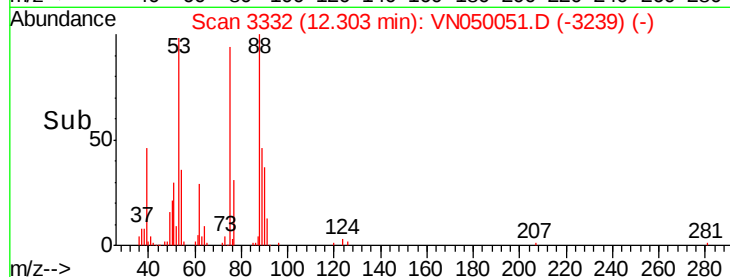
89 47.8 36.0 54.0



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: 20.25 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050051.D

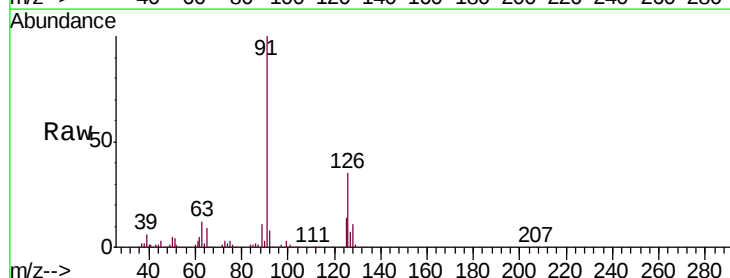
Acq: 25 Jul 2018 18:55

Tgt Ion: 91 Resp: 438006

Ion Ratio Lower Upper

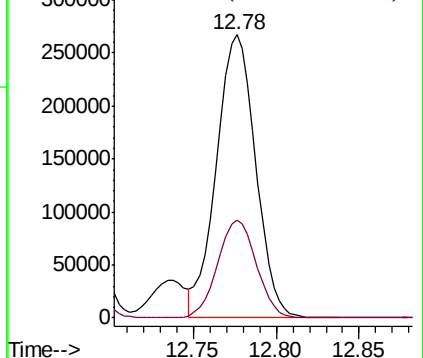
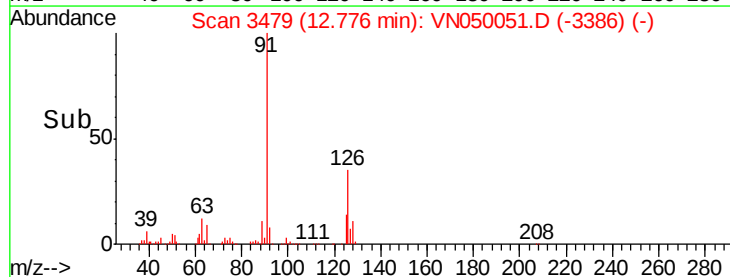
91 100

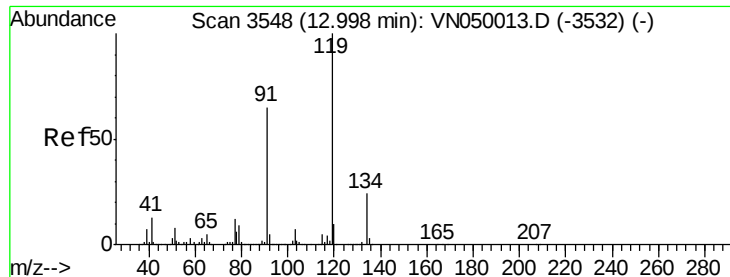
126 34.3 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.28 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampled :

VN0725WBS02

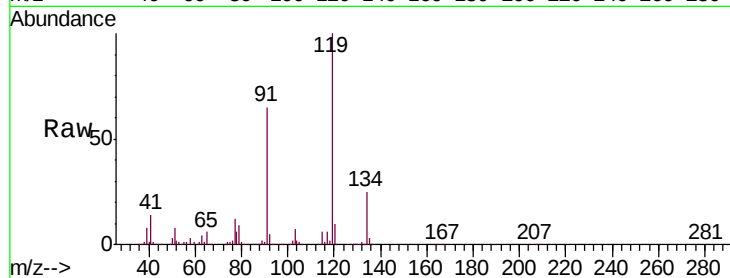
Tot Ion:119 Resp: 439063

Ion Ratio Lower Upper

119 100

91 63.8 32.1 96.3

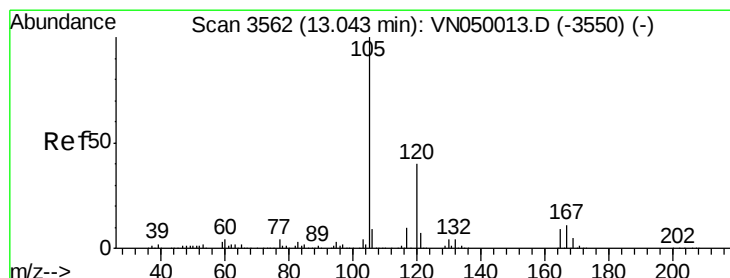
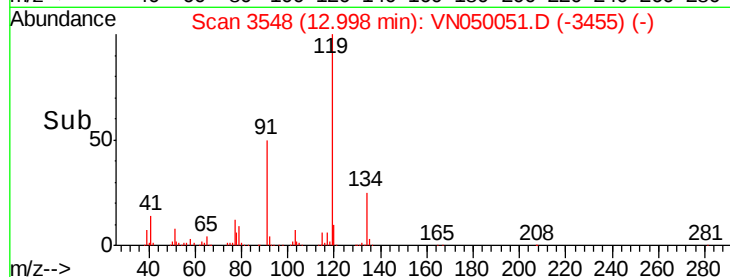
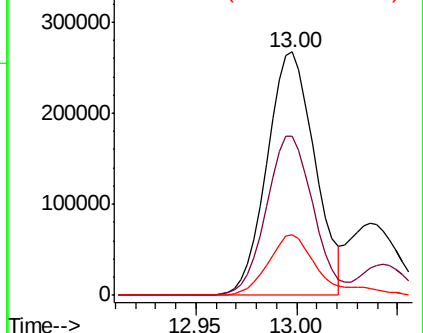
134 26.6 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.40 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050051.D

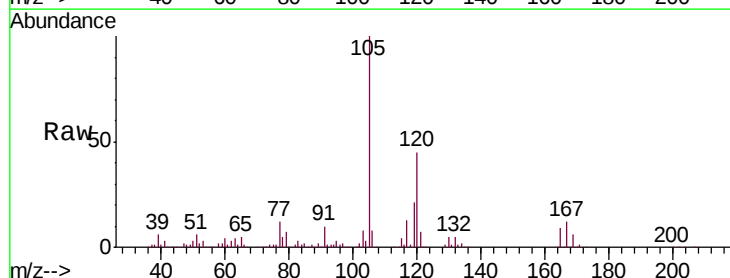
Acq: 25 Jul 2018 18:55

Tgt Ion:105 Resp: 535006

Ion Ratio Lower Upper

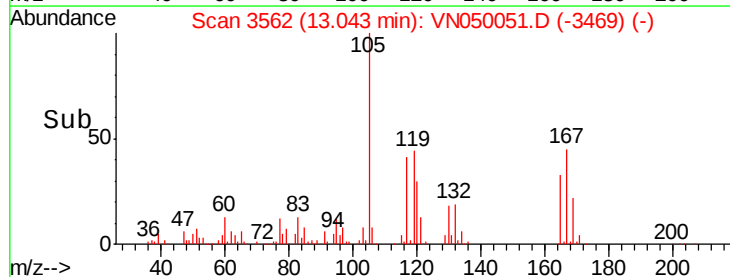
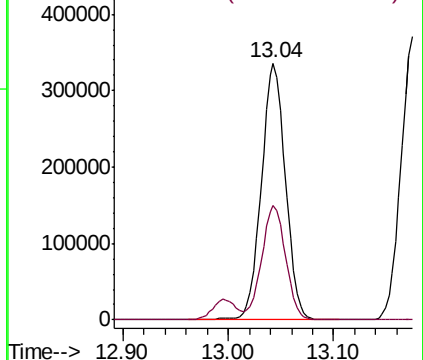
105 100

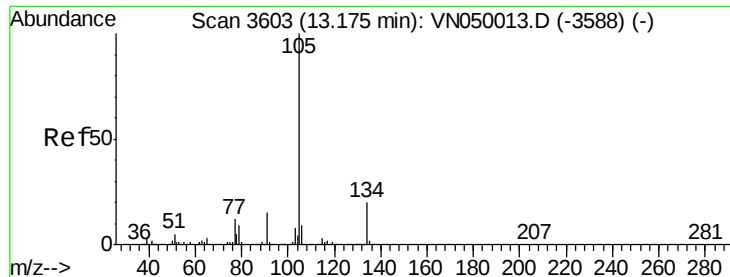
120 44.6 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.41 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

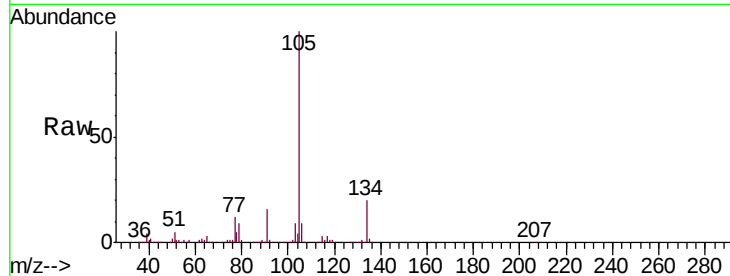
VN0725WBS02

Tot Ion:105 Resp: 590312

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

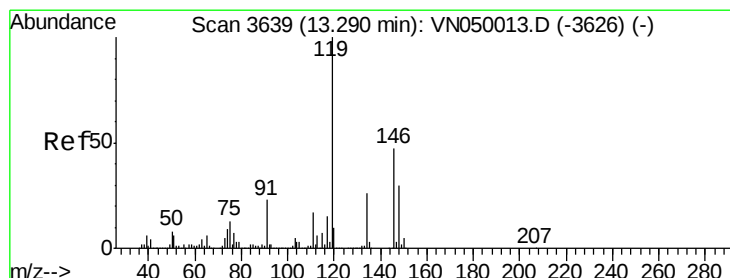
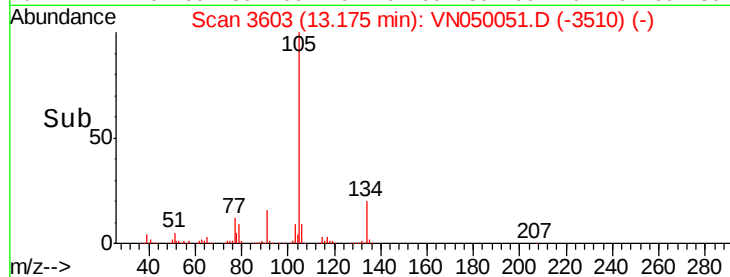
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.41 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

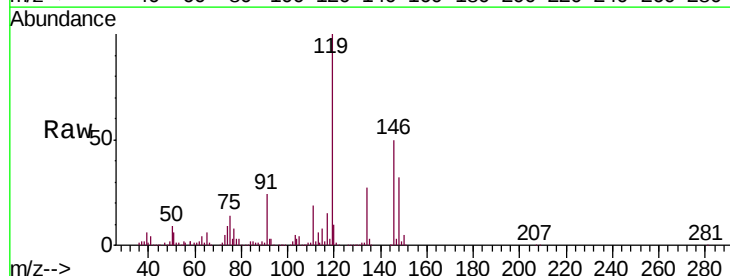
Tgt Ion:119 Resp: 497363

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

91 23.4 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

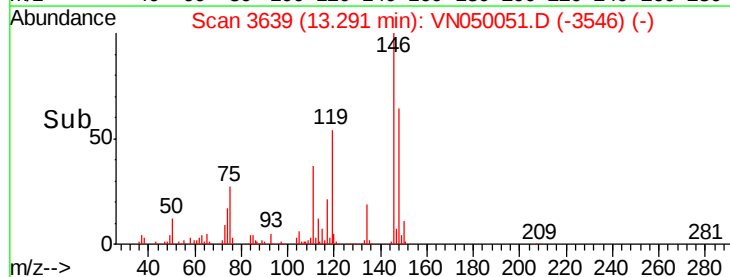
300000

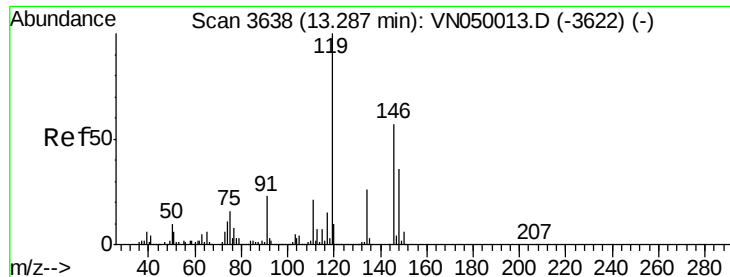
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.35 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

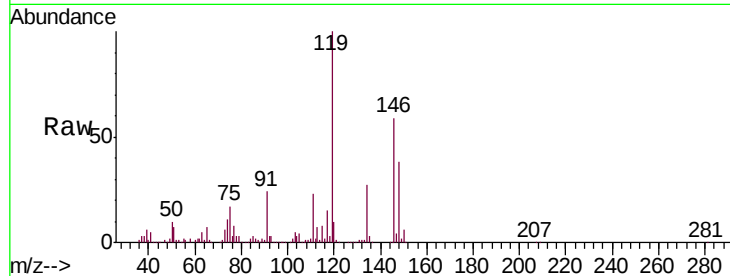
Tot Ion:146 Resp: 286650

Ion Ratio Lower Upper

146 100

111 37.7 18.8 56.4

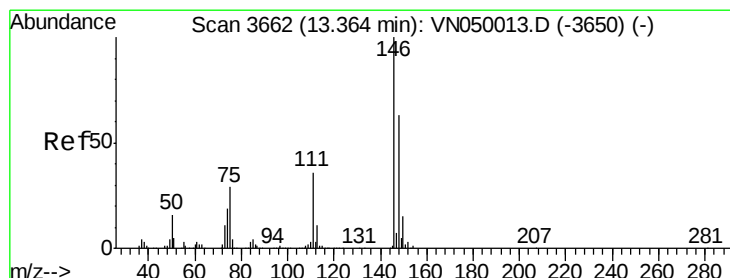
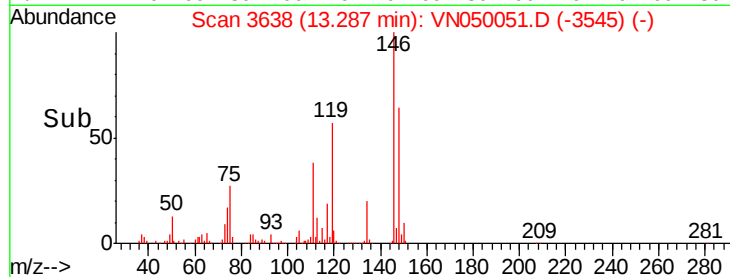
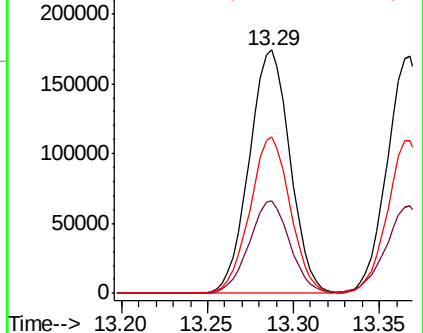
148 63.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.24 ug/l

RT: 13.37 min Scan# 3663

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

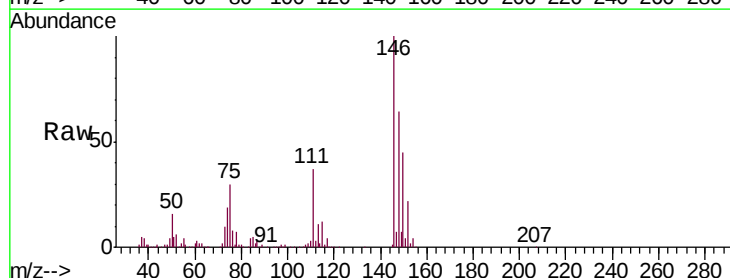
Tgt Ion:146 Resp: 277801

Ion Ratio Lower Upper

146 100

111 37.7 18.3 54.9

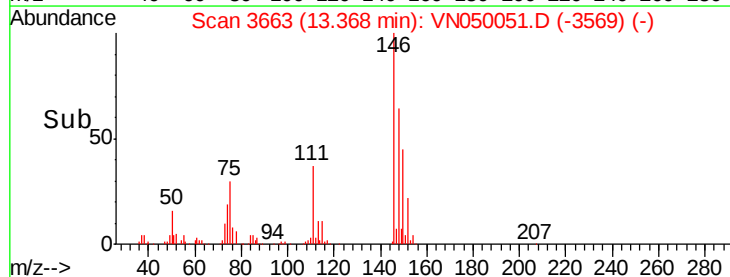
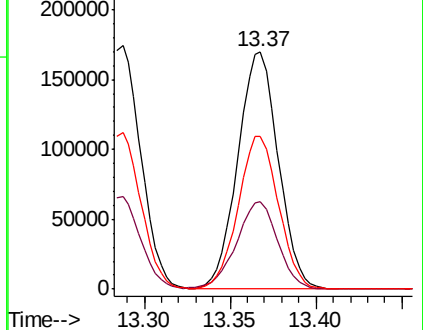
148 64.2 31.9 95.9

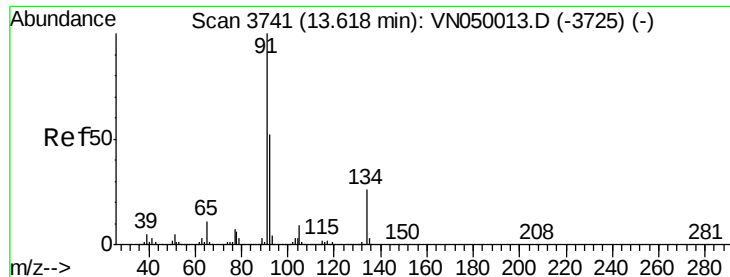


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

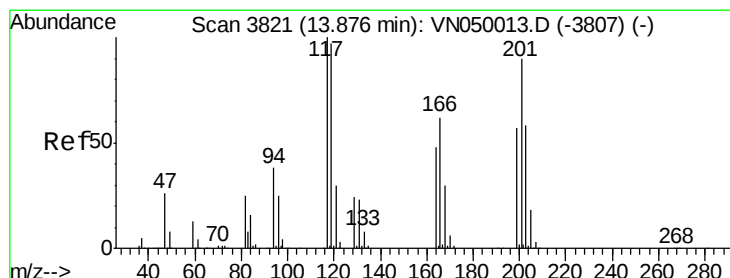
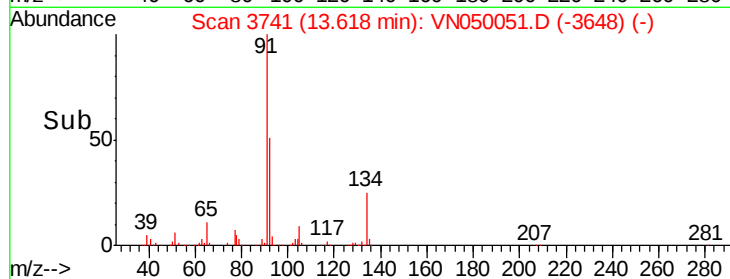
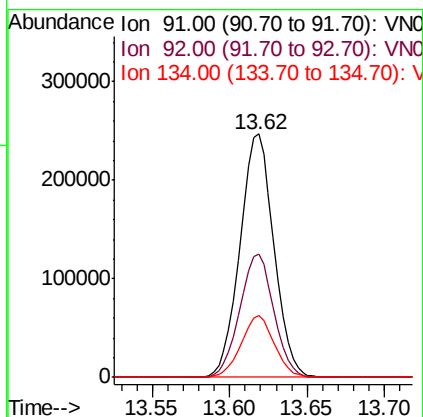
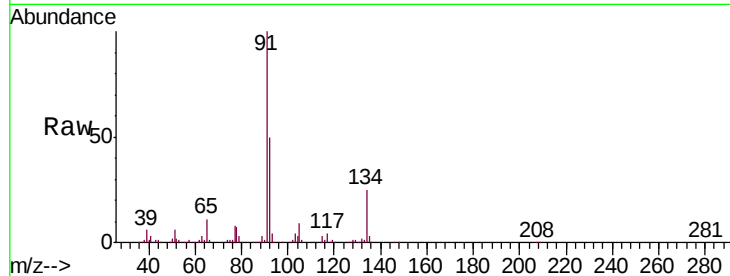




#89
n-Butylbenzene
Concen: 18.80 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

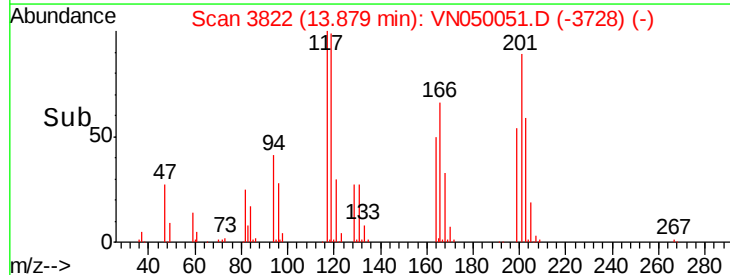
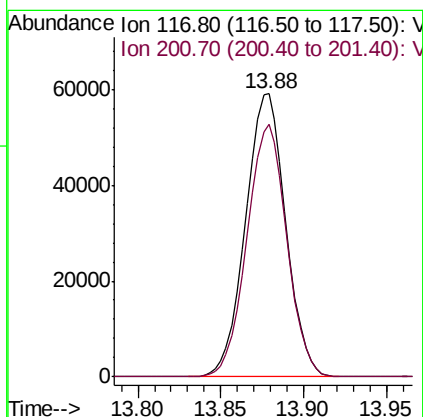
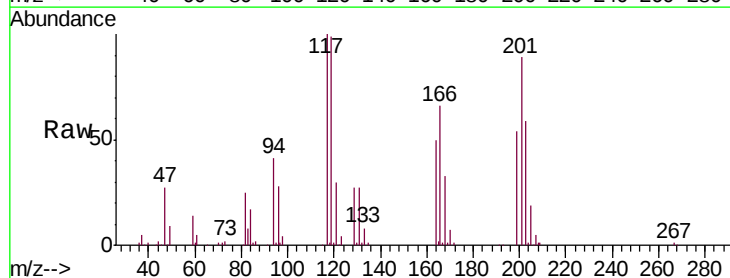
Instrument :
MSVOA_N
ClientSampled :
VN0725WBS02

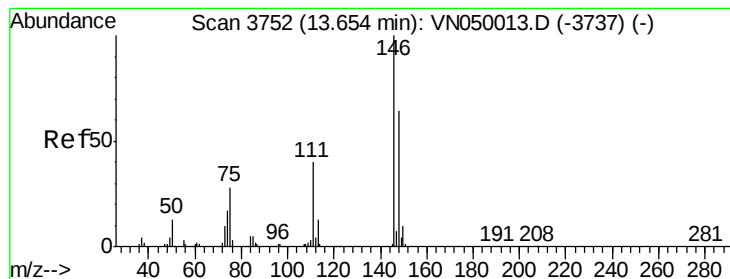
Tot Ion: 91 Resp: 376720
Ion Ratio Lower Upper
91 100
92 50.6 25.8 77.4
134 24.8 12.8 38.4



#90
Hexachloroethane
Concen: 18.46 ug/l
RT: 13.88 min Scan# 3822
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion: 117 Resp: 99903
Ion Ratio Lower Upper
117 100
201 88.3 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 19.44 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

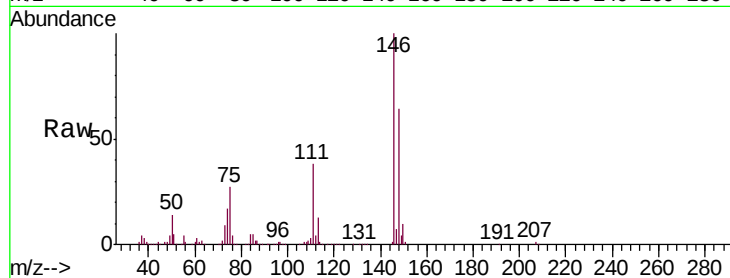
Tot Ion:146 Resp: 287960

Ion Ratio Lower Upper

146 100

111 38.8 19.6 58.7

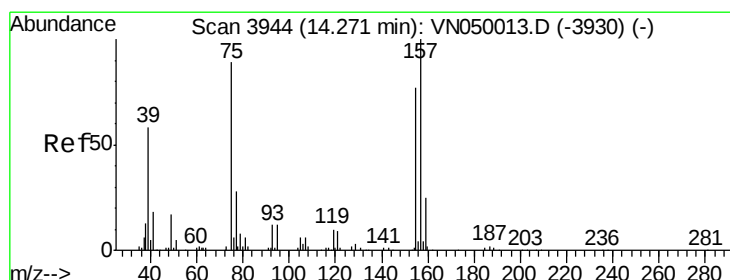
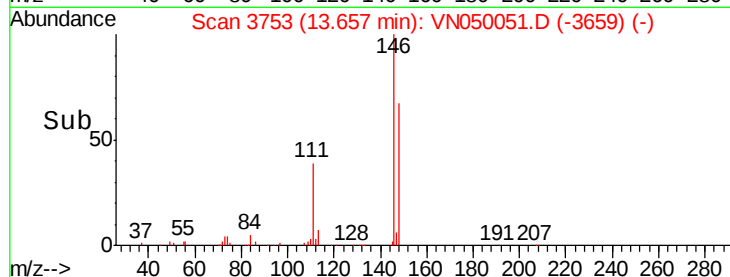
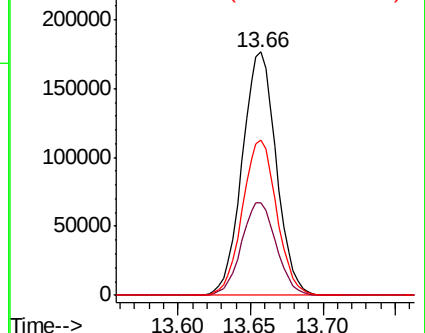
148 64.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.01 ug/l

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

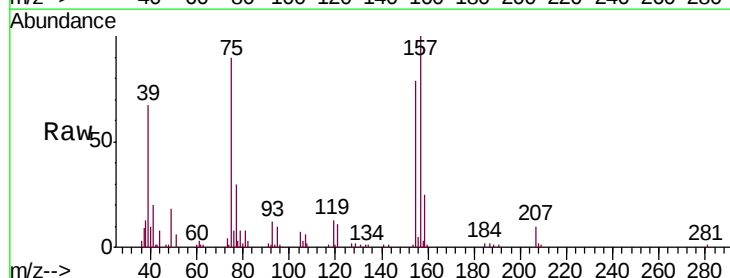
Tgt Ion: 75 Resp: 27420

Ion Ratio Lower Upper

75 100

155 88.7 44.8 134.4

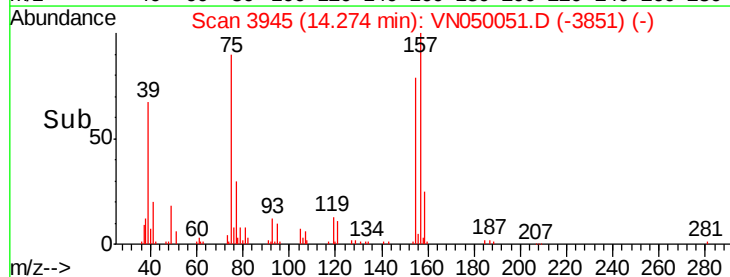
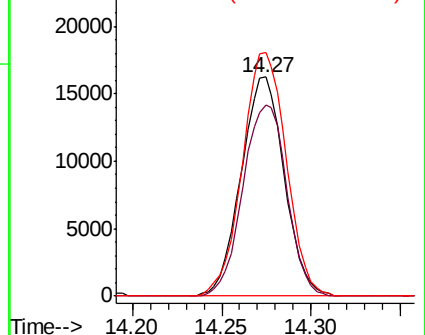
157 112.8 57.2 171.6

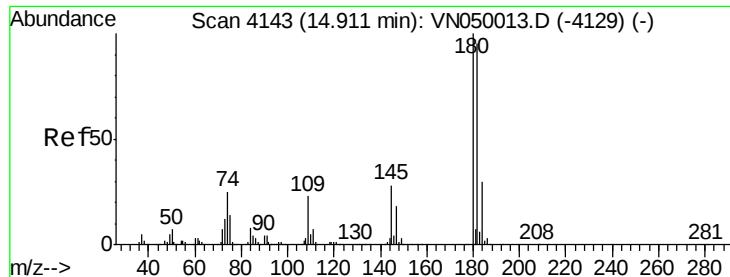


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

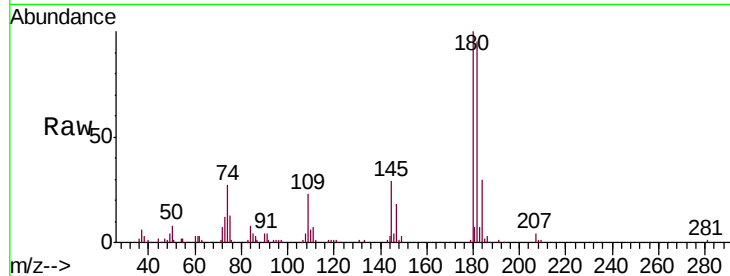




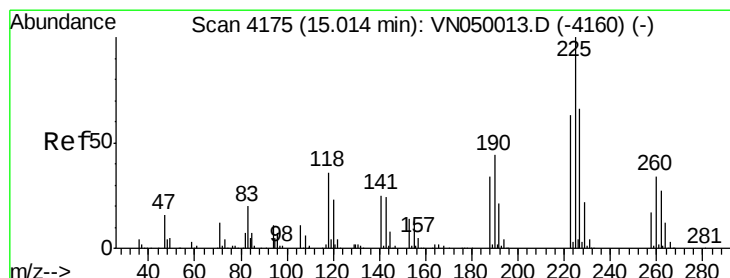
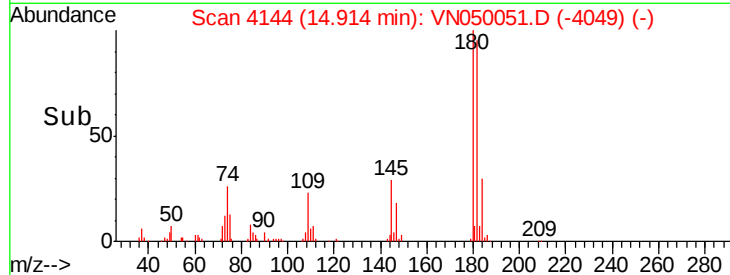
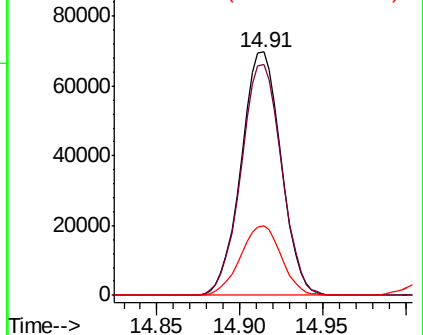
#93
 1,2,4-Trichlorobenzene
 Concen: 17.04 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Tot Ion:180 Resp: 116837
 Ion Ratio Lower Upper
 180 100
 182 96.3 46.7 140.1
 145 29.4 13.8 41.4

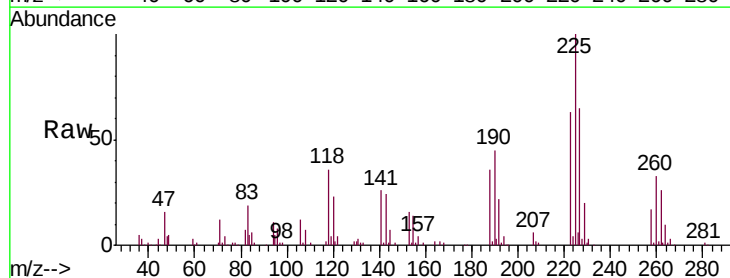


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

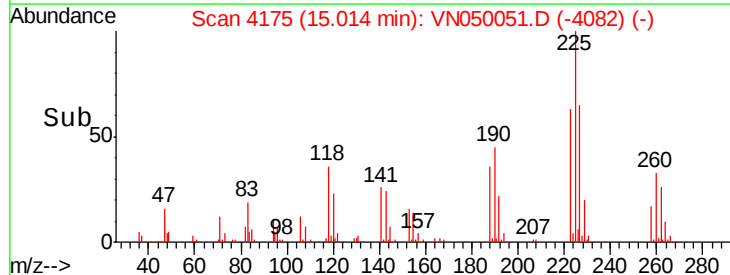
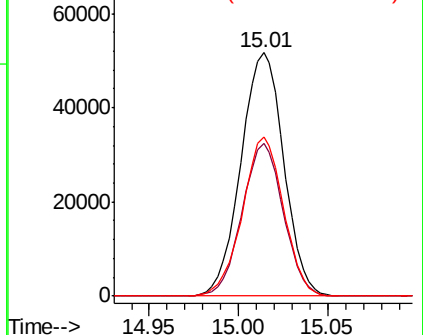


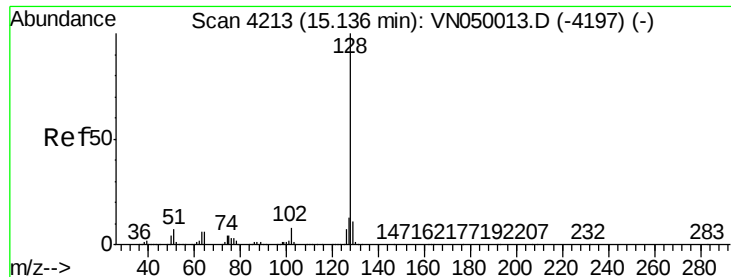
#94
 Hexachlorobutadiene
 Concen: 19.10 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion:225 Resp: 86574
 Ion Ratio Lower Upper
 225 100
 223 60.4 31.4 94.2
 227 62.5 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: 16.31 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

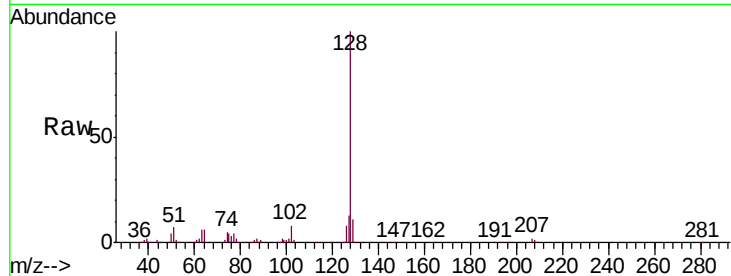
Tot Ion:128 Resp: 242225

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

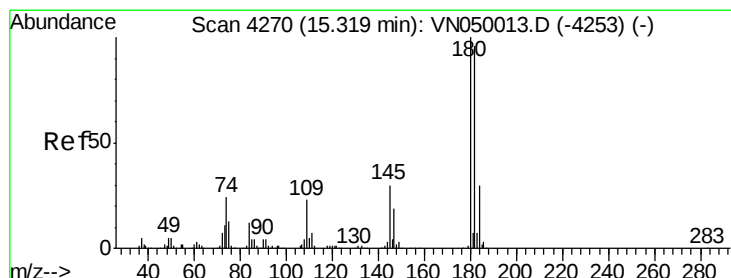
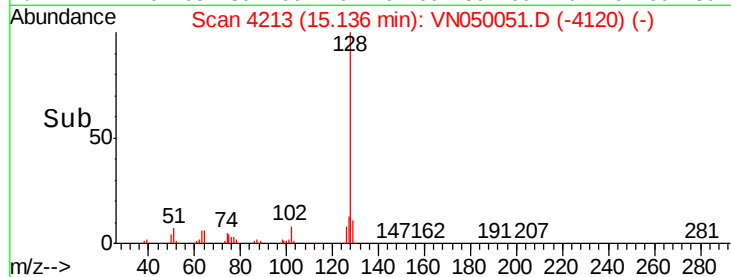
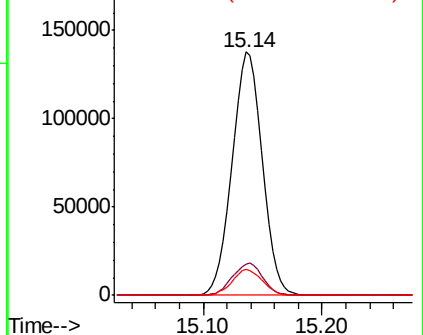
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.80 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

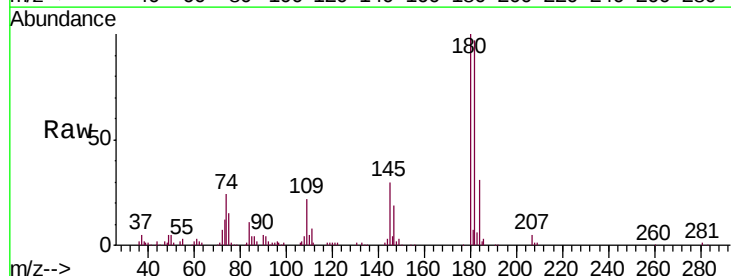
Tgt Ion:180 Resp: 124766

Ion Ratio Lower Upper

180 100

182 93.4 48.1 144.4

145 29.4 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

