

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050181.D
 Acq On : 30 Jul 2018 12:40
 Operator : MD\SY
 Sample : VN0730WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Quant Time: Jul 31 01:09:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	556624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	855709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	773486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	366594	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	410197	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
35) Dibromofluoromethane	7.59	113	363657	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
50) Toluene-d8	10.09	98	1283684	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.40	95	415743	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	152226	19.03	ug/l	98
3) Chloromethane	2.06	50	154505	17.77	ug/l	98
4) Vinyl Chloride	2.18	62	163301	17.84	ug/l	98
5) Bromomethane	2.56	94	66153	12.25	ug/l	99
6) Chloroethane	2.70	64	100089	18.20	ug/l	96
7) Trichlorofluoromethane	3.01	101	216787	18.28	ug/l	98
8) Diethyl Ether	3.41	74	79893	20.21	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	132615	18.59	ug/l	100
10) Methyl Iodide	3.95	142	83826	9.16	ug/l	99
11) Tert butyl alcohol	4.80	59	49217	86.13	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	118422	18.46	ug/l	98
13) Acrolein	3.61	56	20041	43.65	ug/l	99
14) Allyl chloride	4.33	41	196171	19.72	ug/l	99
15) Acrylonitrile	4.99	53	234254	93.96	ug/l	98
16) Acetone	3.82	43	182664	97.20	ug/l	98
17) Carbon Disulfide	4.05	76	337156	17.15	ug/l	100
18) Methyl Acetate	4.33	43	168392	22.78	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	348699	20.40	ug/l	99
20) Methylene Chloride	4.55	84	149048	20.92	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	129354	19.03	ug/l	97
22) Diisopropyl ether	5.96	45	425785	21.59	ug/l	96
23) Vinyl Acetate	5.90	43	1366300	98.02	ug/l	100
24) 1,1-Dichloroethane	5.85	63	254979	19.77	ug/l	99
25) 2-Butanone	6.84	43	271804	91.76	ug/l	100
26) 2,2-Dichloropropane	6.83	77	200098	20.39	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	150097	20.51	ug/l	99
28) Bromochloromethane	7.20	49	121248	20.61	ug/l	99
29) Tetrahydrofuran	7.22	42	176800	92.36	ug/l	98
30) Chloroform	7.37	83	262412	19.94	ug/l	99
31) Cyclohexane	7.66	56	200498	18.70	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	213084	18.93	ug/l	99
36) 1,1-Dichloropropene	7.80	75	178222	18.49	ug/l	99
37) Ethyl Acetate	6.94	43	119354	17.76	ug/l	98
38) Carbon Tetrachloride	7.78	117	187563	18.34	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	178001	17.95	ug/l	99
40) Benzene	8.04	78	575752	19.63	ug/l	99
41) Methacrylonitrile	7.18	41	69638	21.55	ug/l #	79
42) 1,2-Dichloroethane	8.13	62	190163	19.43	ug/l	100
43) Isopropyl Acetate	8.17	43	280518	21.50	ug/l #	91
44) Trichloroethene	8.84	130	144149	18.29	ug/l	97
45) 1,2-Dichloropropane	9.12	63	155781	20.05	ug/l	98
46) Dibromomethane	9.21	93	93242	19.33	ug/l	98
47) Bromodichloromethane	9.40	83	201600	19.80	ug/l	100
48) Methyl methacrylate	9.20	41	109456	18.91	ug/l	99
49) 1,4-Dioxane	9.20	88	28174	357.63	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	611141	92.49	ug/l	99
52) Toluene	10.16	92	341737	19.73	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	192380	20.02	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	221932	20.21	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	137485	20.02	ug/l	99
56) Ethyl methacrylate	10.43	69	154370	17.95	ug/l	99
57) 1,3-Dichloropropane	10.71	76	224147	20.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	354227	87.23	ug/l	100
59) 2-Hexanone	10.75	43	389195	83.67	ug/l	99
60) Dibromochloromethane	10.90	129	149007	19.59	ug/l	98
61) 1,2-Dibromoethane	11.01	107	128908	18.92	ug/l	99
64) Tetrachloroethene	10.63	164	131962	17.75	ug/l	99
65) Chlorobenzene	11.44	112	369232	18.90	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	146308	19.49	ug/l	99
67) Ethyl Benzene	11.51	91	601435	19.16	ug/l	99
68) m/p-Xylenes	11.62	106	467246	39.36	ug/l	100
69) o-Xylene	11.95	106	226189	19.99	ug/l	98
70) Styrene	11.97	104	358577	18.41	ug/l	100
71) Bromoform	12.13	173	98843	18.10	ug/l #	97
73) Isopropylbenzene	12.25	105	582936	20.50	ug/l	99
74) N-amyl acetate	12.07	43	156340	17.99	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	166446	20.89	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	193995	28.47	ug/l #	100
77) Bromobenzene	12.53	156	158799	20.15	ug/l	99
78) n-propylbenzene	12.59	91	658830	20.73	ug/l	100
79) 2-Chlorotoluene	12.68	91	410736	20.85	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	486594	21.76	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39368	18.33	ug/l	96
82) 4-Chlorotoluene	12.77	91	400222	20.52	ug/l	99
83) tert-Butylbenzene	12.99	119	412715	21.15	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	492803	21.86	ug/l	99
85) sec-Butylbenzene	13.17	105	540291	20.72	ug/l	100
86) p-Isopropyltoluene	13.29	119	459914	20.93	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	263081	19.69	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	254427	19.54	ug/l	99
89) n-Butylbenzene	13.62	91	348951	19.31	ug/l	99
90) Hexachloroethane	13.88	117	91459	18.75	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	265666	19.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23723	18.21	ug/l	98

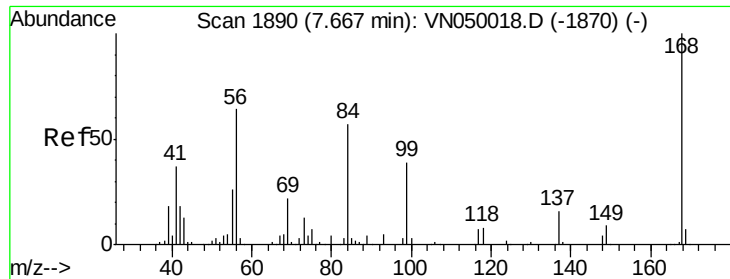
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101414	16.52	ug/l	99
94) Hexachlorobutadiene	15.01	225	80022	19.58	ug/l	99
95) Naphthalene	15.14	128	202772	15.46	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	106419	16.95	ug/l	99

(#) = 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: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

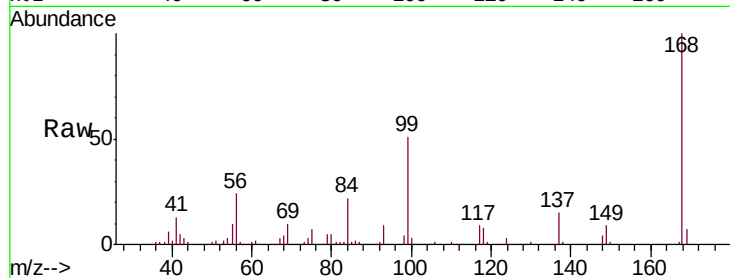
VN0730WBSD01

Tot Ion:168 Resp: 556624

Ion Ratio Lower Upper

168 100

99 50.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

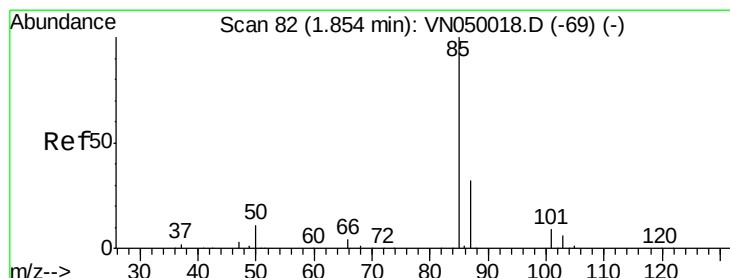
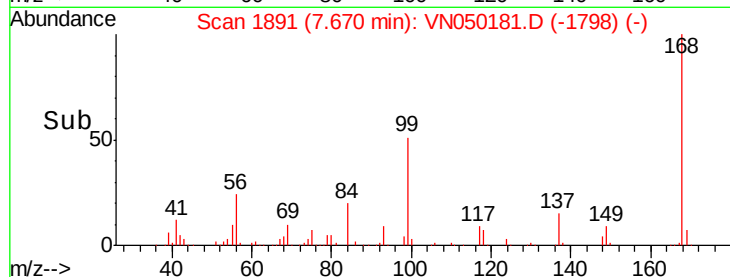
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.03 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN050181.D

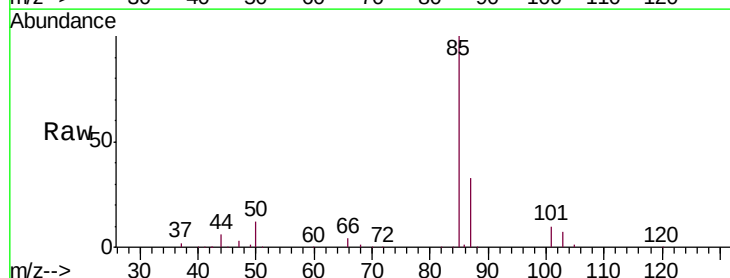
Acq: 30 Jul 2018 12:40

Tgt Ion: 85 Resp: 152226

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

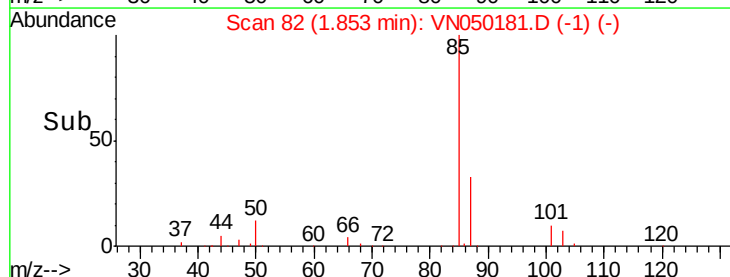
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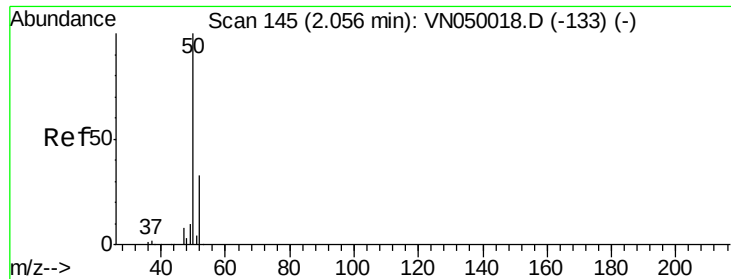
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.77 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

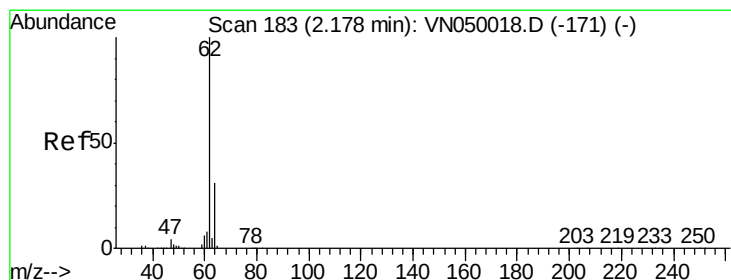
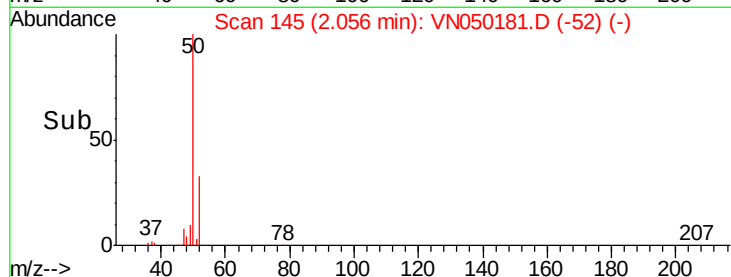
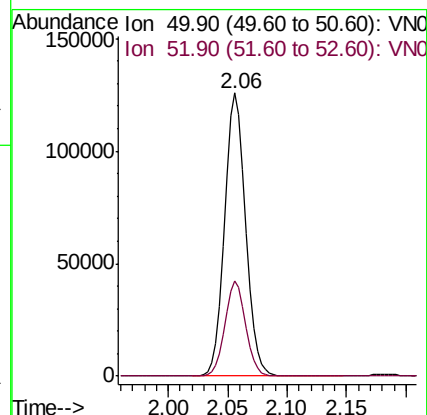
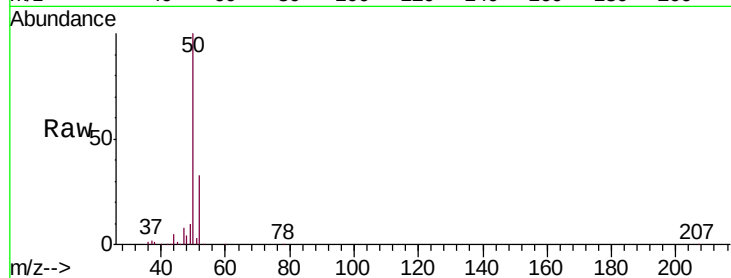
VN0730WBSD01

Tot Ion: 50 Resp: 154505

Ion Ratio Lower Upper

50 100

52 33.5 25.9 38.9



#4

Vinyl Chloride

Concen: 17.84 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050181.D

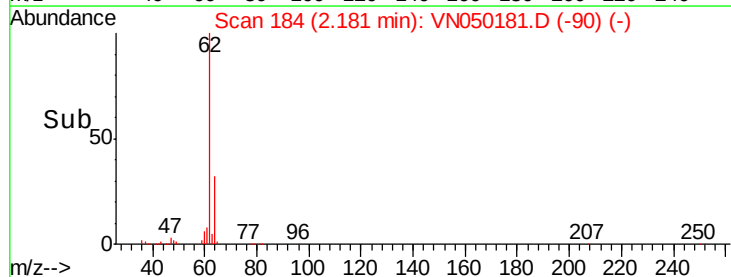
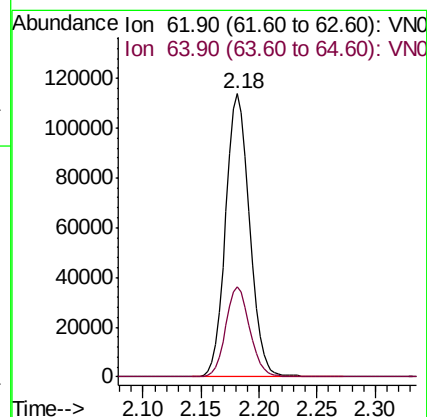
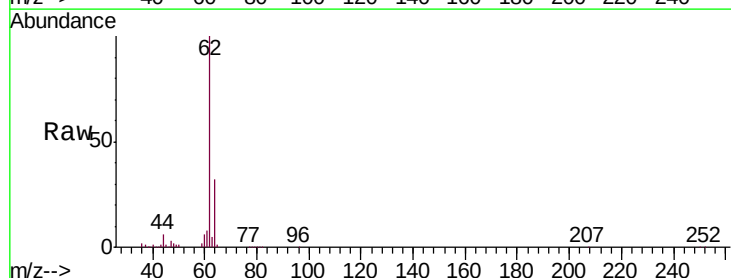
Acq: 30 Jul 2018 12:40

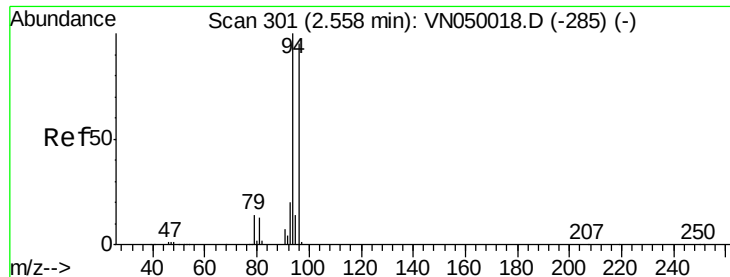
Tgt Ion: 62 Resp: 163301

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1





#5

Bromomethane

Concen: 12.25 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

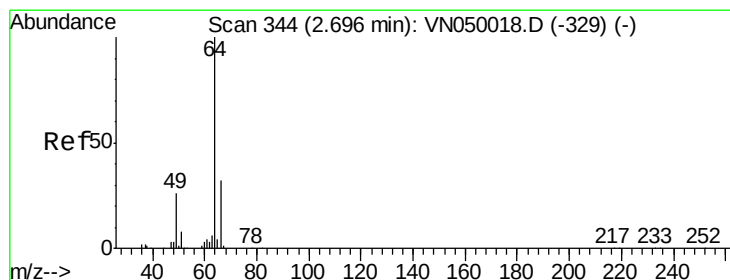
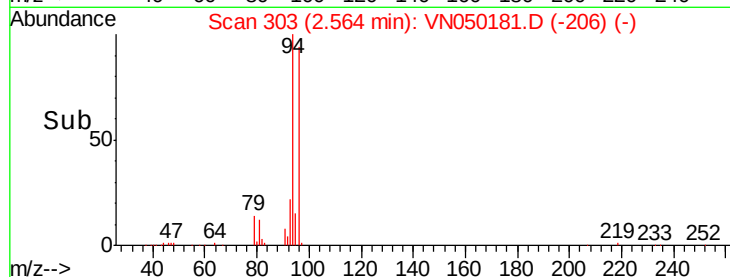
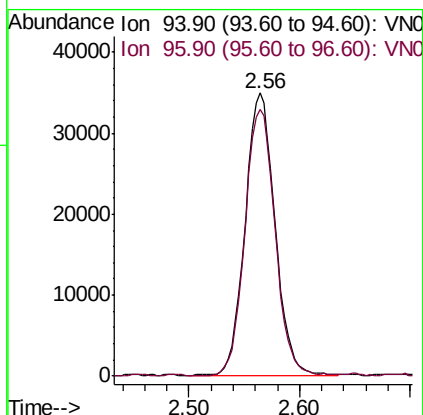
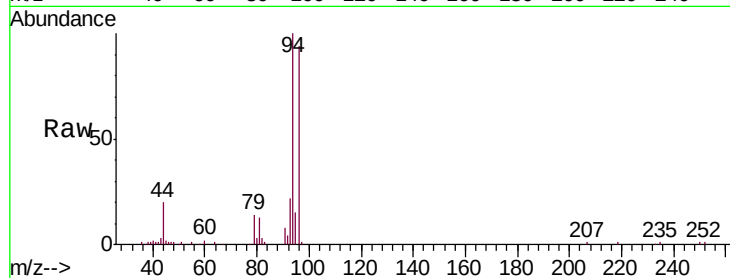
VN0730WBSD01

Tot Ion: 94 Resp: 66153

Ion Ratio Lower Upper

94 100

96 94.1 74.6 112.0



#6

Chloroethane

Concen: 18.20 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050181.D

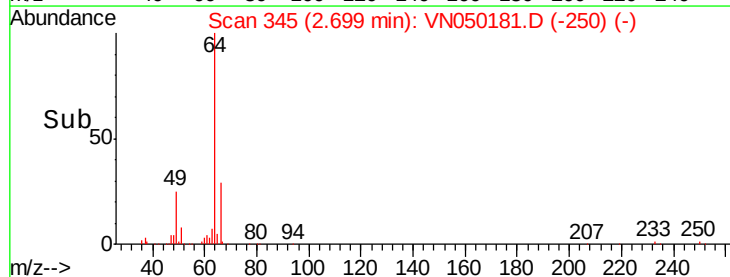
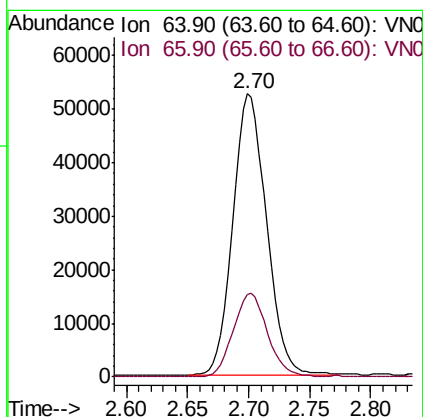
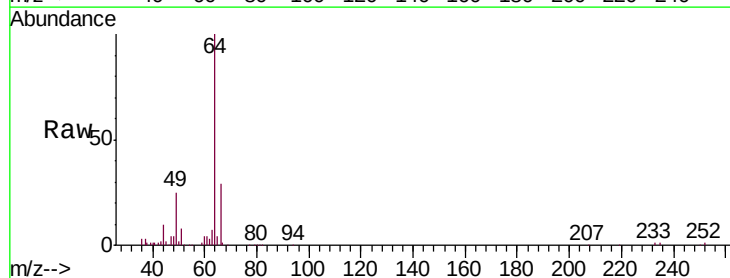
Acq: 30 Jul 2018 12:40

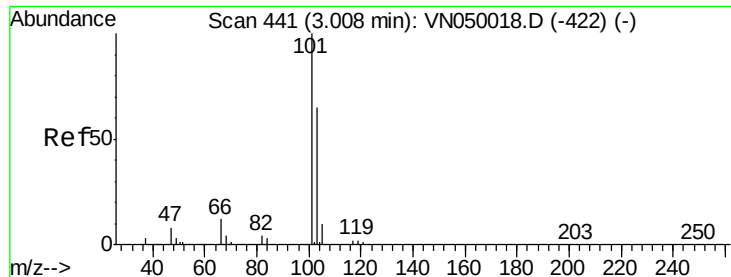
Tgt Ion: 64 Resp: 100089

Ion Ratio Lower Upper

64 100

66 29.4 25.3 37.9





#7

Trichlorofluoromethane

Concen: 18.28 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

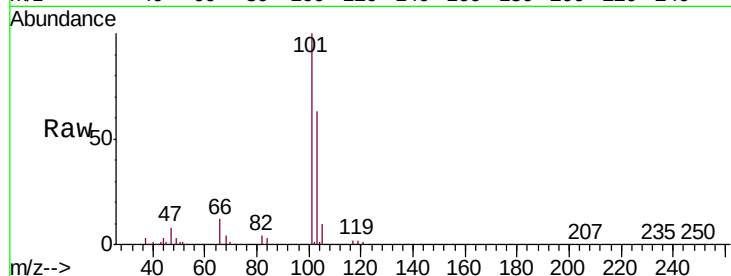
VN0730WBSD01

Tot Ion:101 Resp: 216787

Ion Ratio Lower Upper

101 100

103 63.3 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

100000

80000

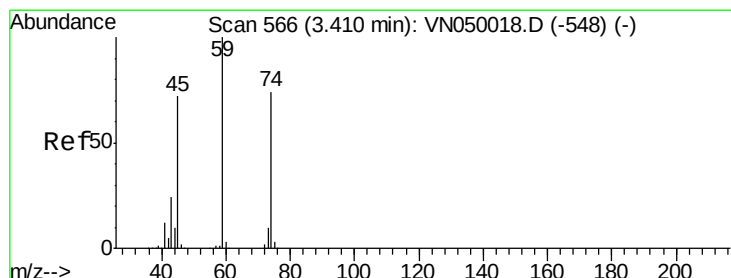
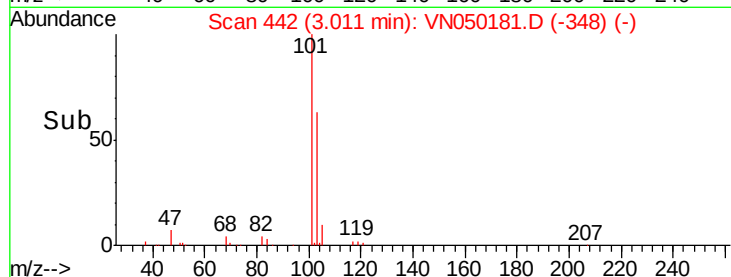
60000

40000

20000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 20.21 ug/l

RT: 3.41 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN050181.D

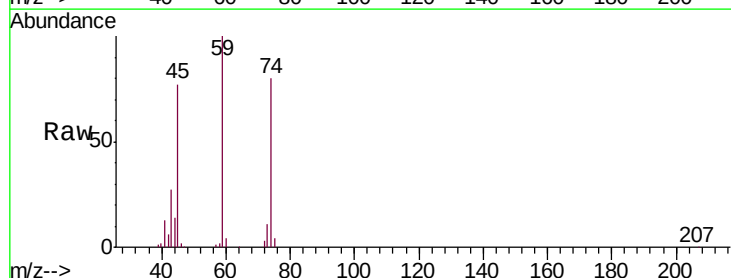
Acq: 30 Jul 2018 12:40

Tgt Ion: 74 Resp: 79893

Ion Ratio Lower Upper

74 100

45 97.2 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

40000

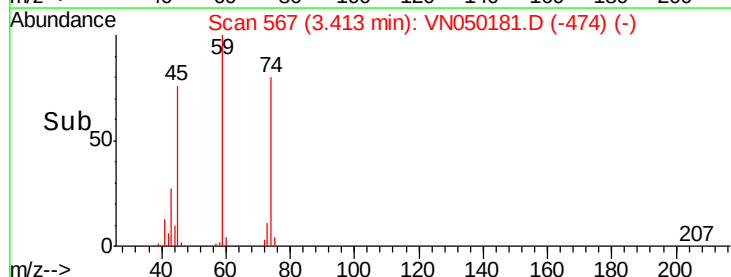
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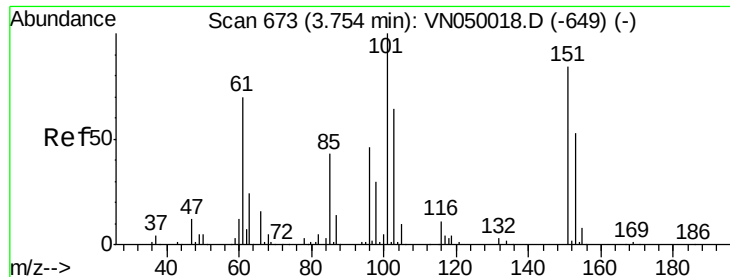
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.59 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

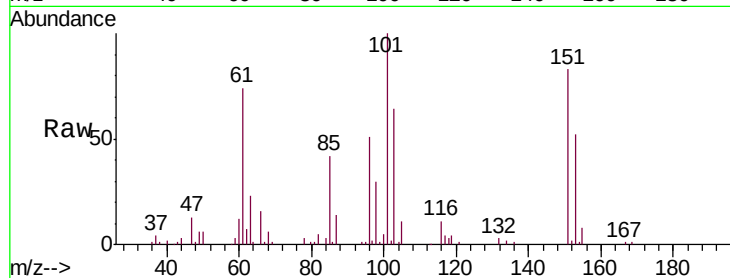
Tot Ion:101 Resp: 132615

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.2

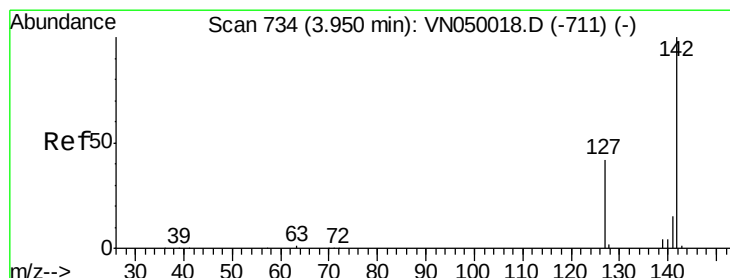
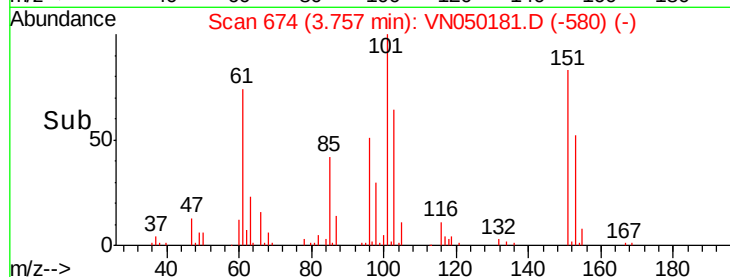
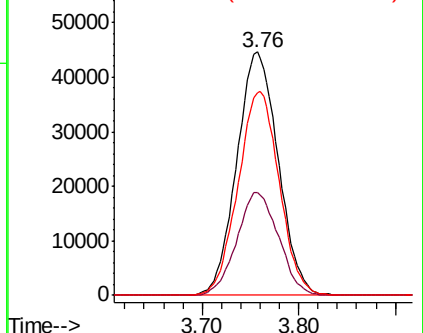
151 83.3 66.3 99.5



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: 9.16 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

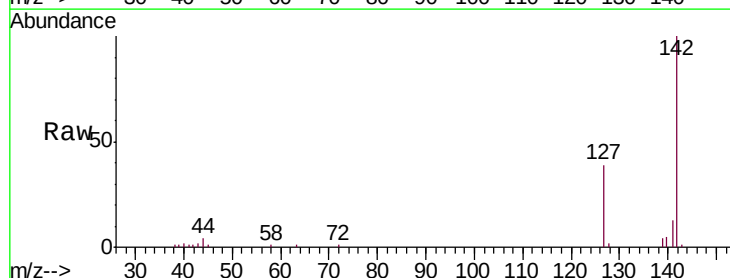
Tgt Ion:142 Resp: 83826

Ion Ratio Lower Upper

142 100

127 41.3 33.4 50.2

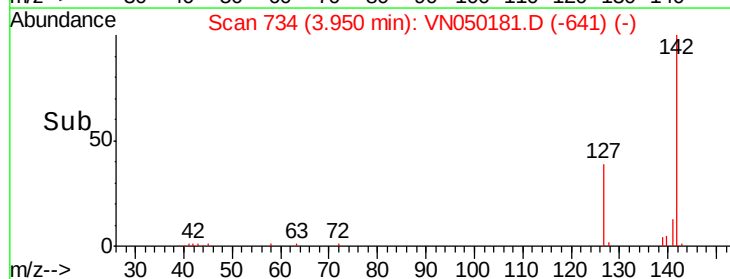
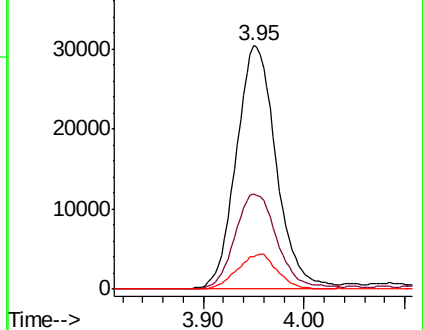
141 14.2 11.6 17.4

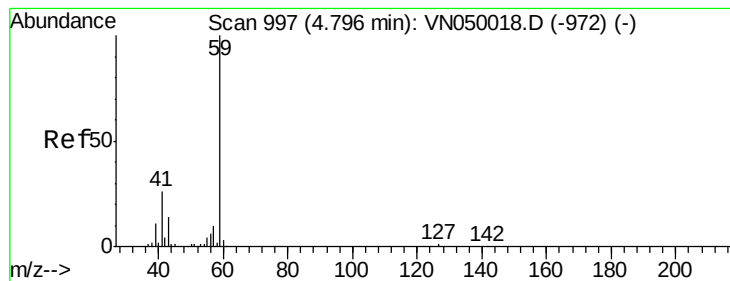


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 86.13 ug/l

RT: 4.80 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

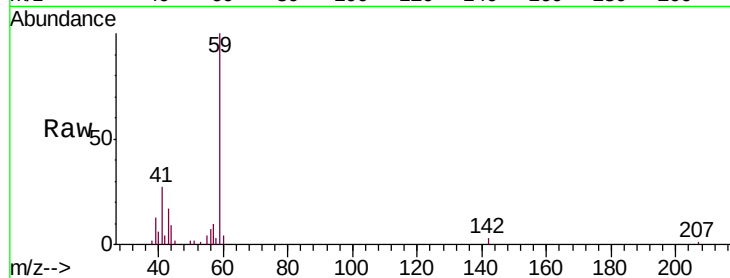
VN0730WBSD01

Tot Ion: 59 Resp: 49217

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

15000

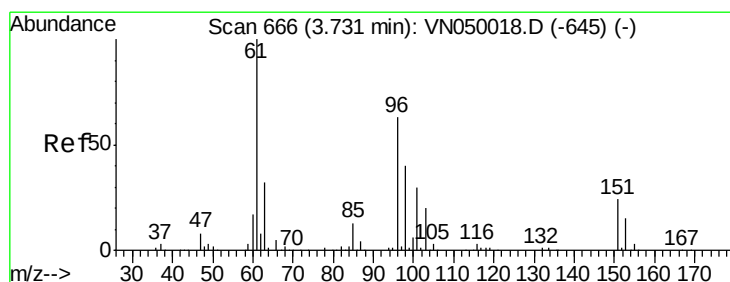
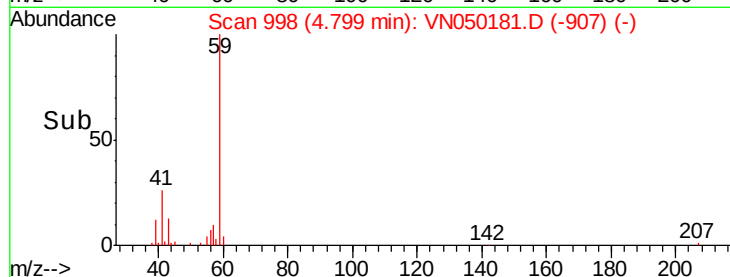
10000

5000

0

4.70 4.80 4.90

Time-->



#12

1,1-Dichloroethene

Concen: 18.46 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.01 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

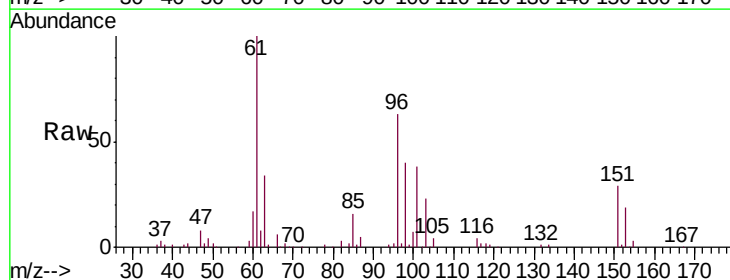
Tgt Ion: 96 Resp: 118422

Ion Ratio Lower Upper

96 100

61 157.0 124.4 186.6

98 63.6 48.3 72.5



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

100000

80000

60000

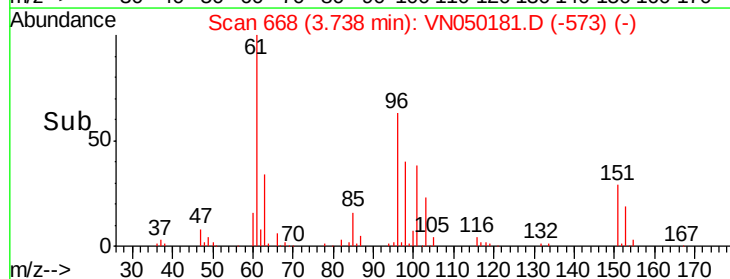
40000

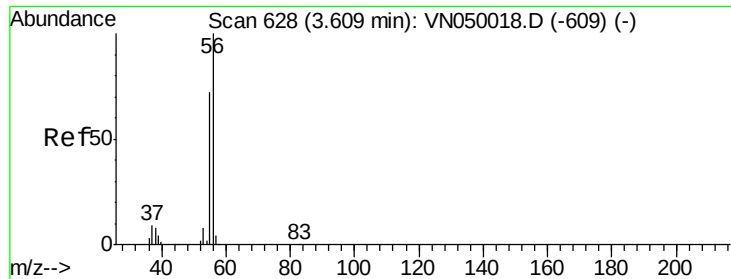
20000

0

3.70 3.74 3.80

Time-->





#13

Acrolein

Concen: 43.65 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

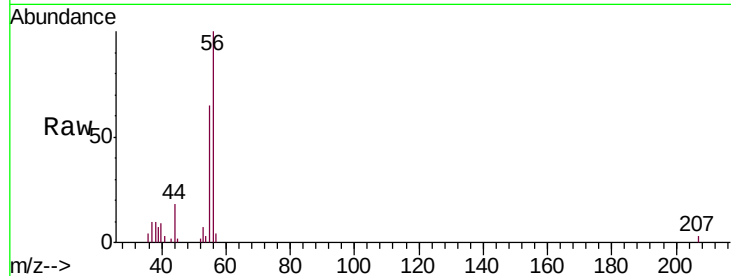
VN0730WBSD01

Tot Ion: 56 Resp: 20041

Ion Ratio Lower Upper

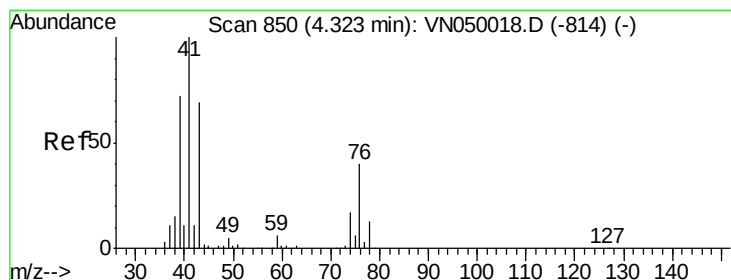
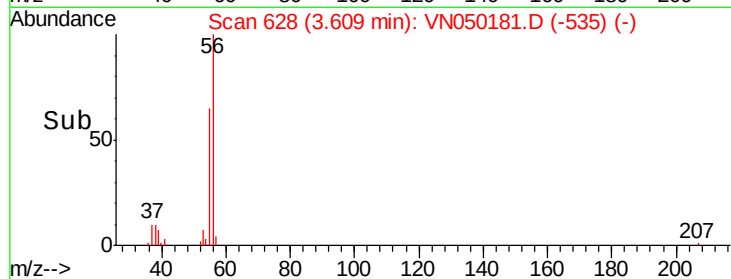
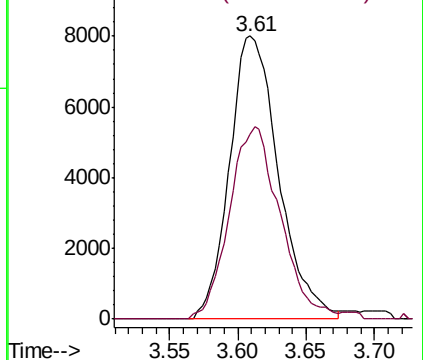
56 100

55 70.2 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: 19.72 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

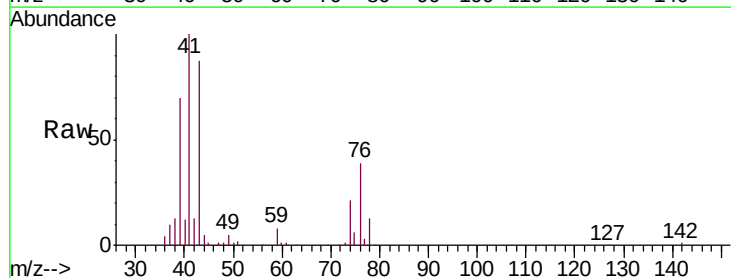
Tgt Ion: 41 Resp: 196171

Ion Ratio Lower Upper

41 100

39 66.6 54.2 81.4

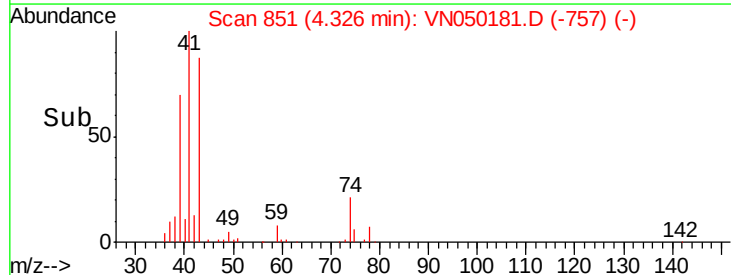
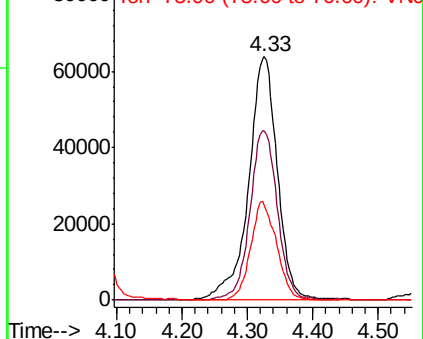
76 36.5 29.0 43.6

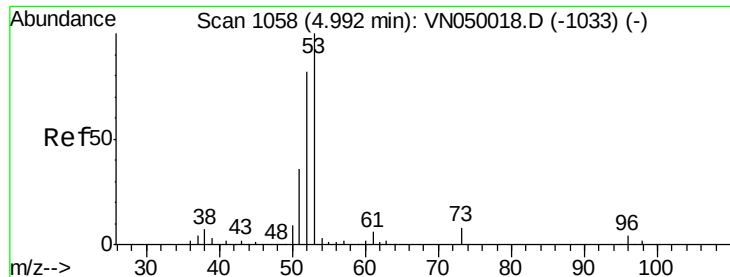


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 93.96 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

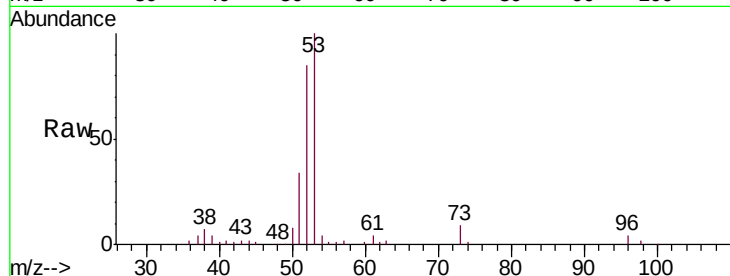
Tot Ion: 53 Resp: 234254

Ion Ratio Lower Upper

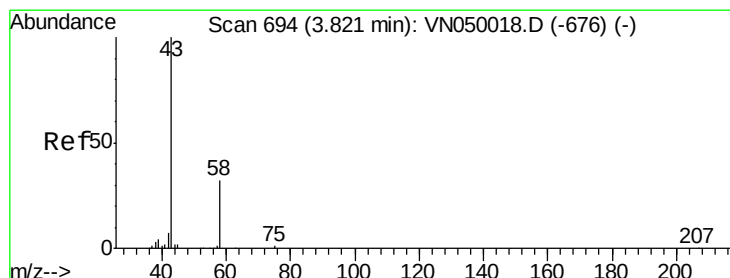
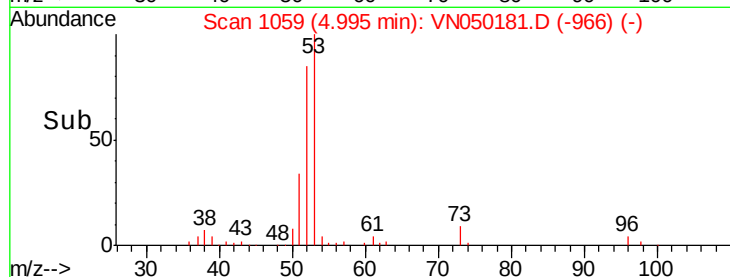
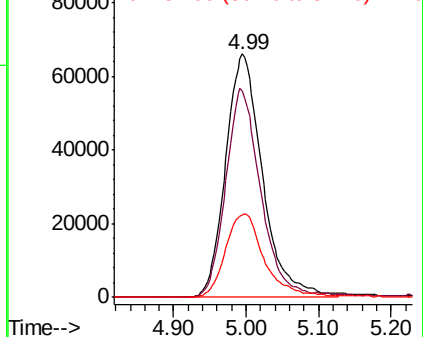
53 100

52 80.9 66.2 99.2

51 36.3 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: 97.20 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050181.D

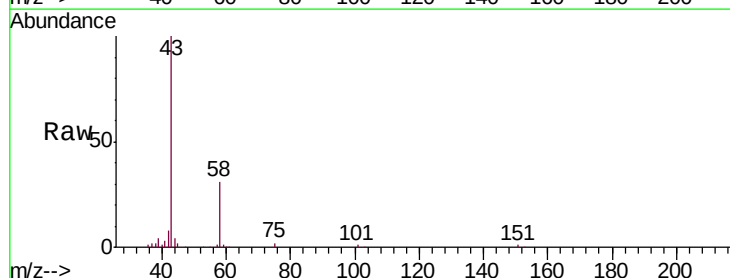
Acq: 30 Jul 2018 12:40

Tgt Ion: 43 Resp: 182664

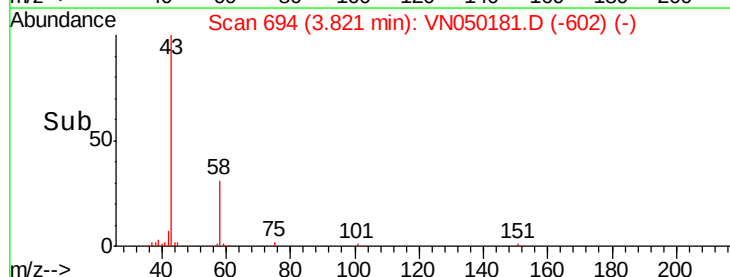
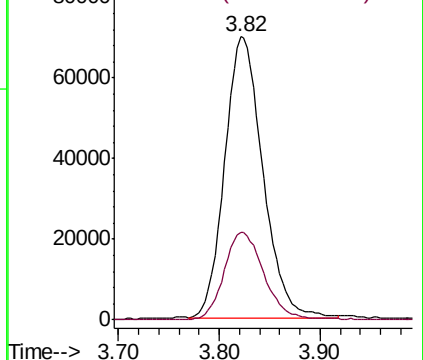
Ion Ratio Lower Upper

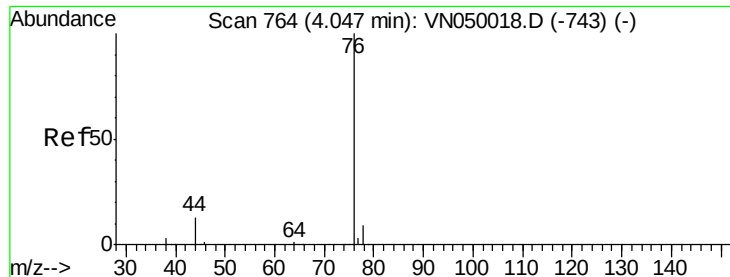
43 100

58 31.0 25.8 38.8



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

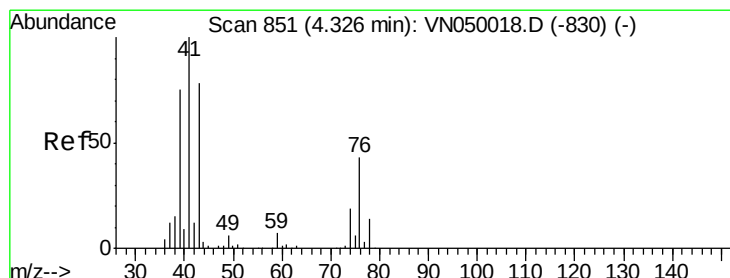
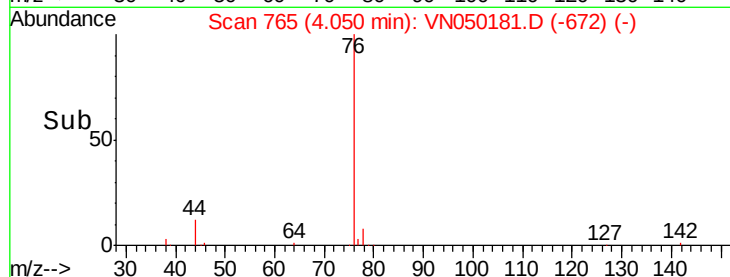
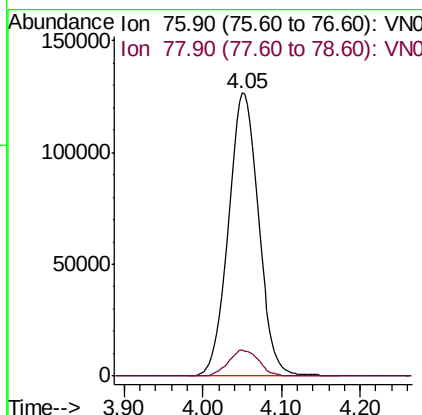
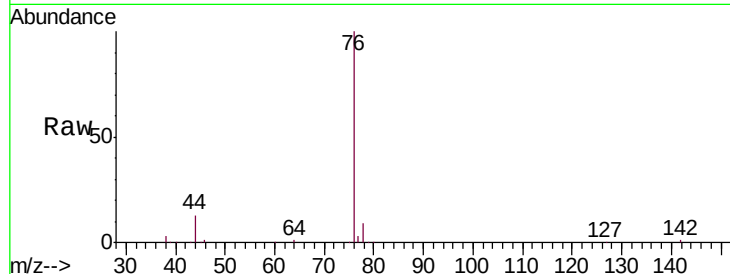




#17
Carbon Disulfide
Concen: 17.15 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

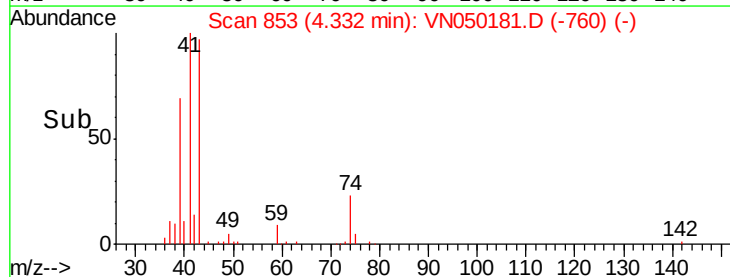
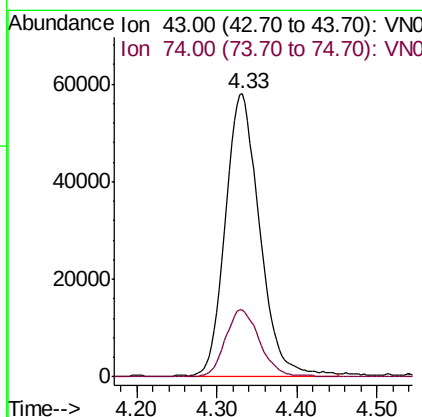
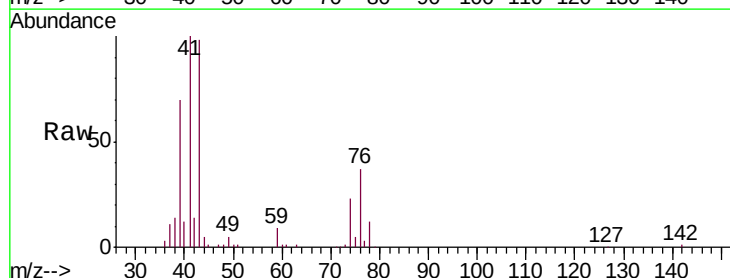
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

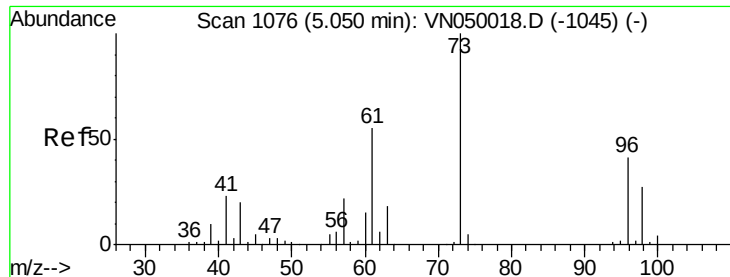
Tot Ion: 76 Resp: 337156
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 22.78 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion: 43 Resp: 168392
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8

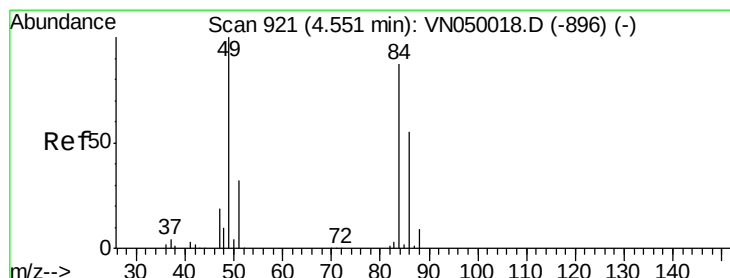
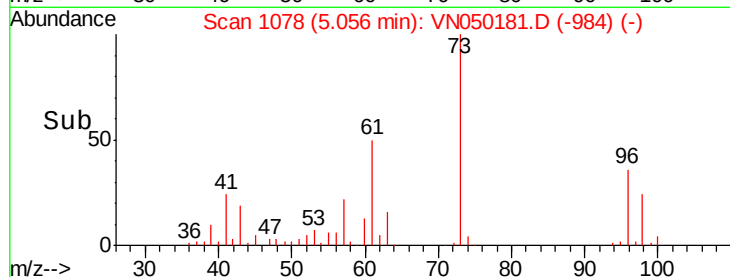
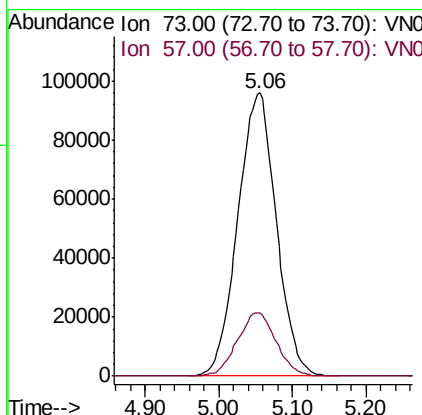
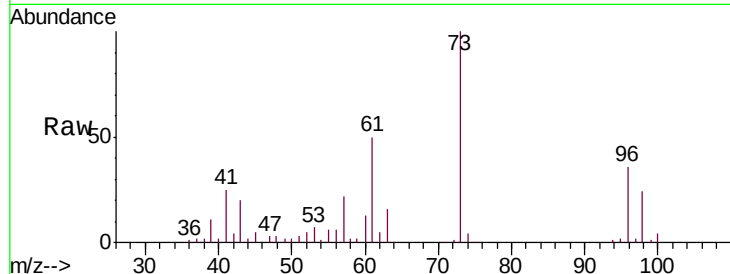




#19
Methvl tert-butvl Ether
Concen: 20.40 ug/l
RT: 5.06 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

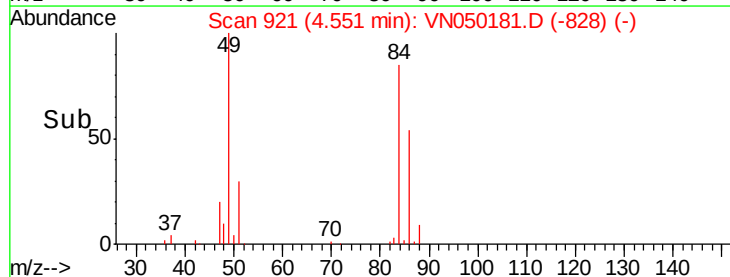
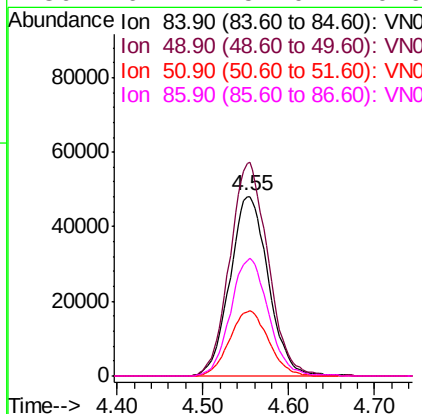
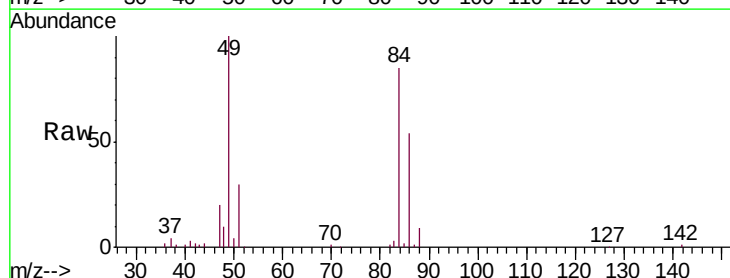
Instrument :
MSVOA_N
ClientSampled :
VN0730WBSD01

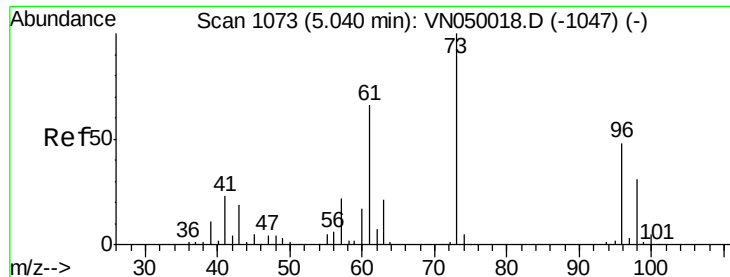
Tot Ion: 73 Resp: 348699
Ion Ratio Lower Upper
73 100
57 22.1 18.0 27.0



#20
Methylene Chloride
Concen: 20.92 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion: 84 Resp: 149048
Ion Ratio Lower Upper
84 100
49 118.2 94.8 142.2
51 35.9 28.3 42.5
86 64.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.03 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

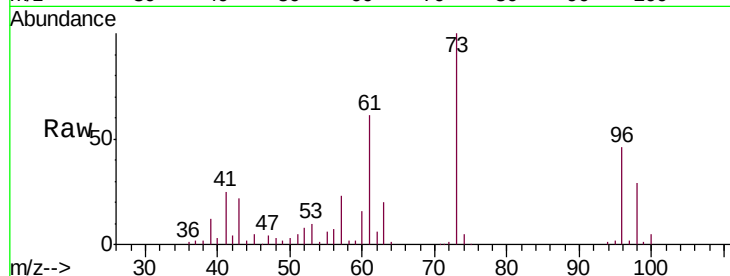
Tot Ion: 96 Resp: 129354

Ion Ratio Lower Upper

96 100

61 133.9 110.7 166.1

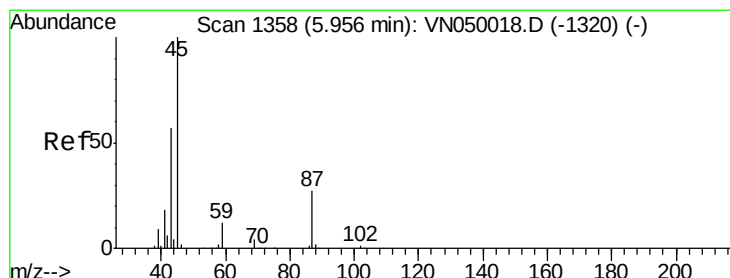
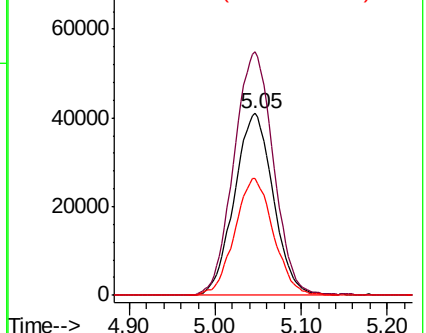
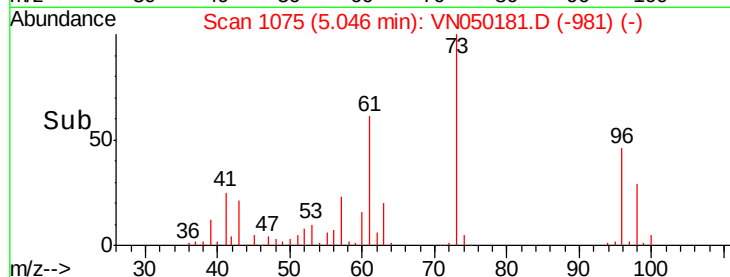
98 64.1 51.6 77.4



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: 21.59 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Tgt Ion: 45 Resp: 425785

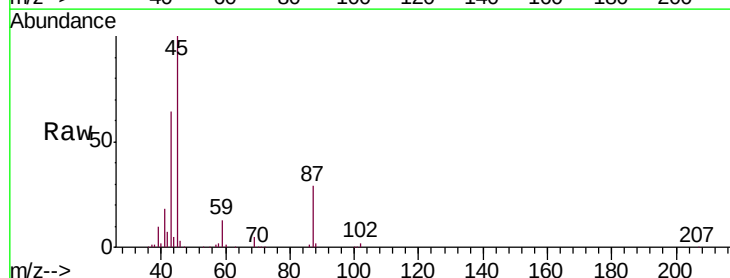
Ion Ratio Lower Upper

45 100

43 62.0 45.7 68.5

87 28.9 22.7 34.1

59 12.6 9.5 14.3

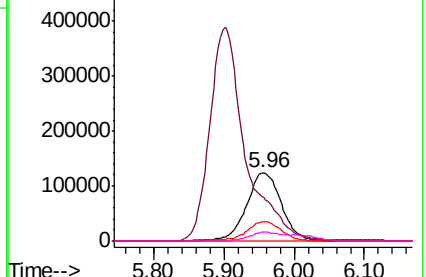
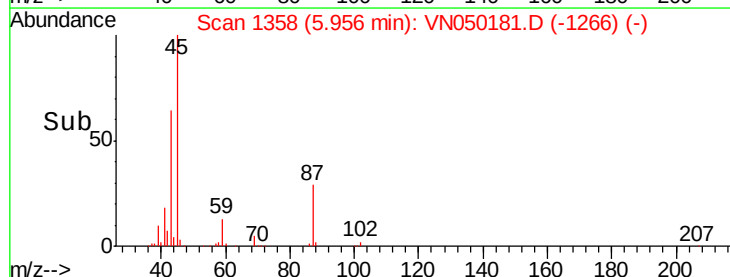


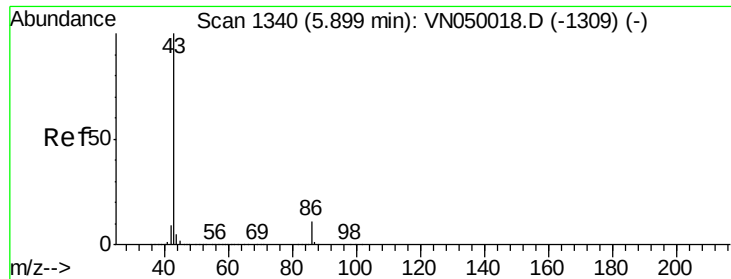
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 98.02 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

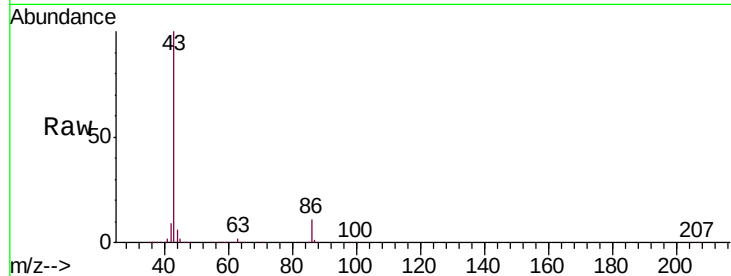
VN0730WBSD01

Tot Ion: 43 Resp: 1366300

Ion Ratio Lower Upper

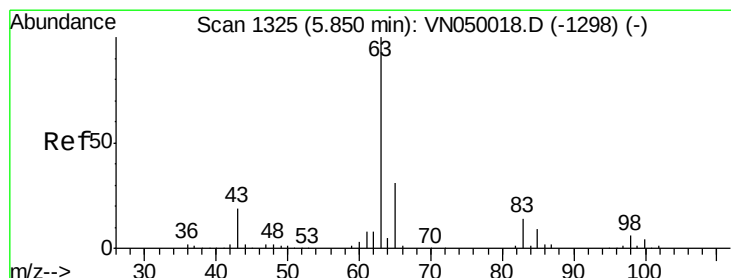
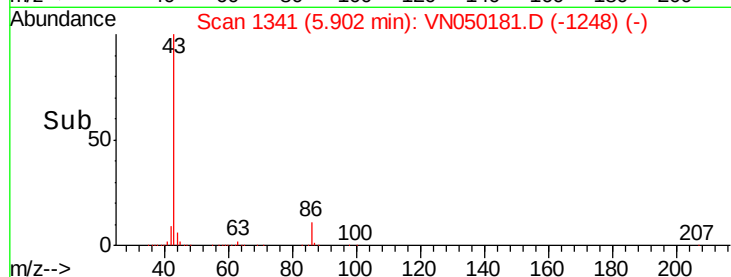
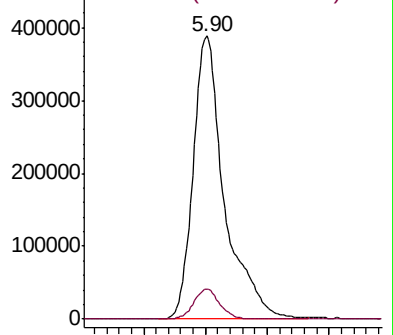
43 100

86 10.6 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.77 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

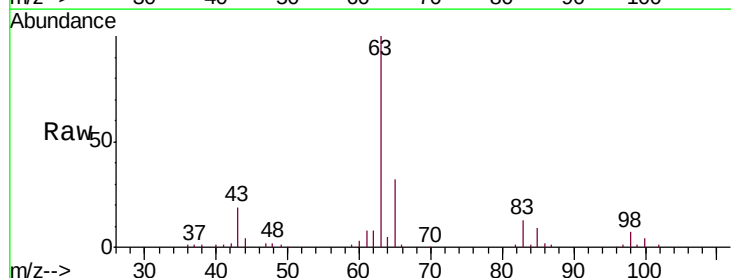
Tgt Ion: 63 Resp: 254979

Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.8

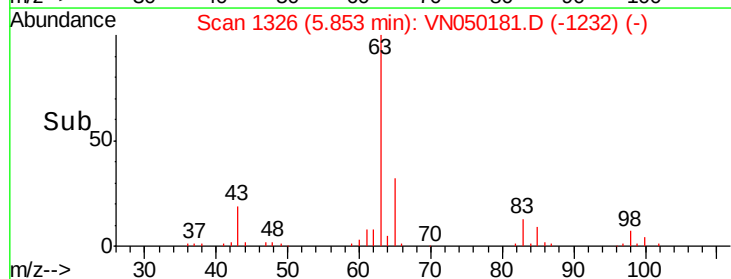
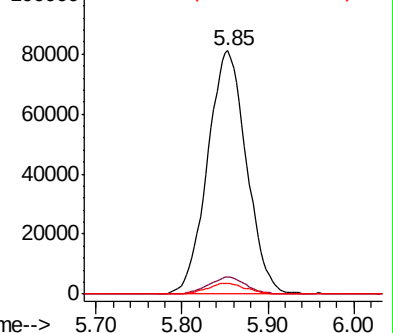
100 4.2 2.1 6.3

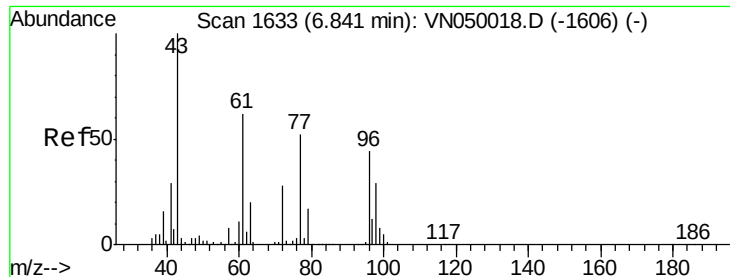


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 91.76 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampled :

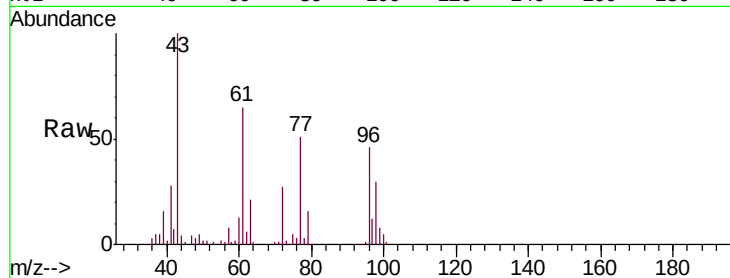
VN0730WBSD01

Tot Ion: 43 Resp: 271804

Ion Ratio Lower Upper

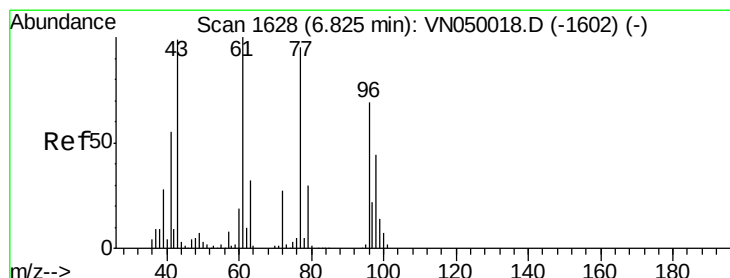
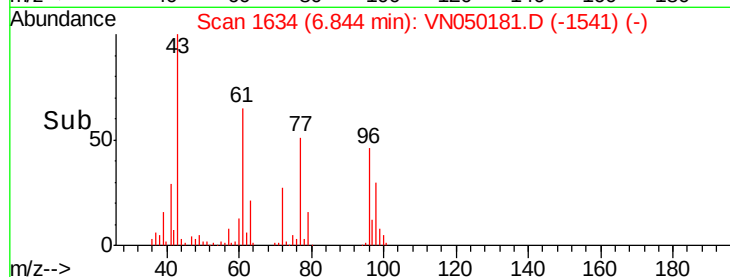
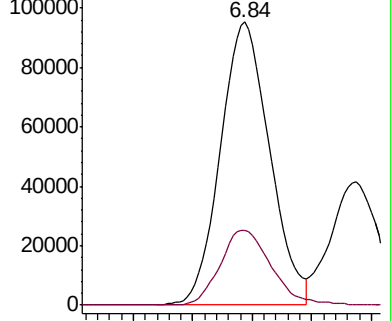
43 100

72 26.7 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.39 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050181.D

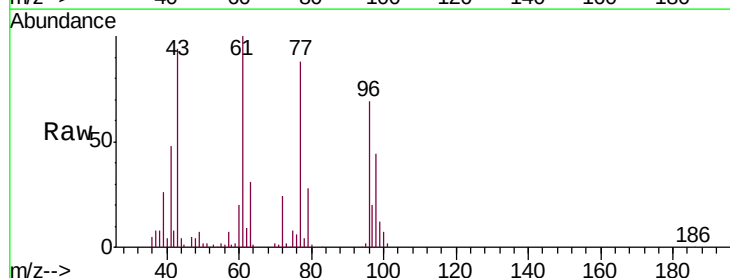
Acq: 30 Jul 2018 12:40

Tgt Ion: 77 Resp: 200098

Ion Ratio Lower Upper

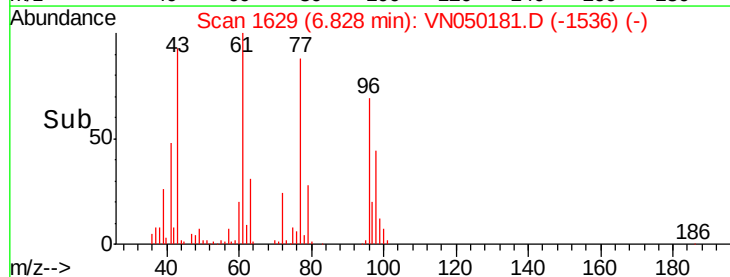
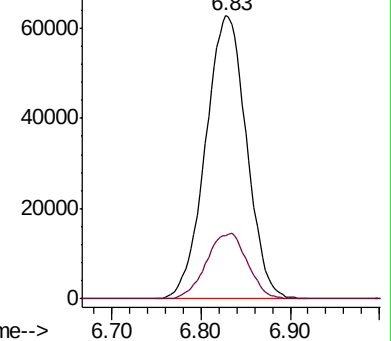
77 100

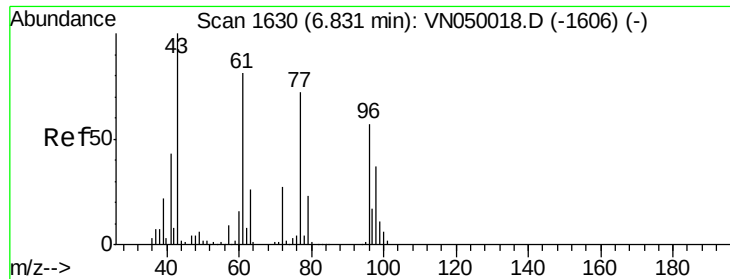
97 23.3 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.51 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

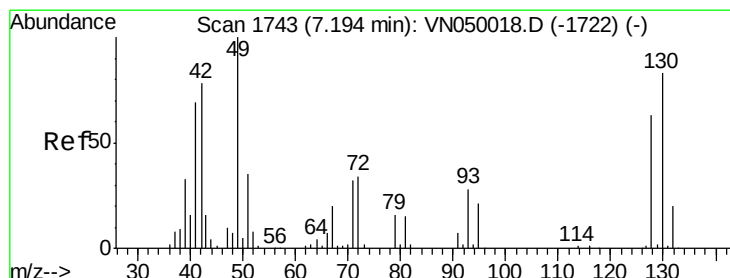
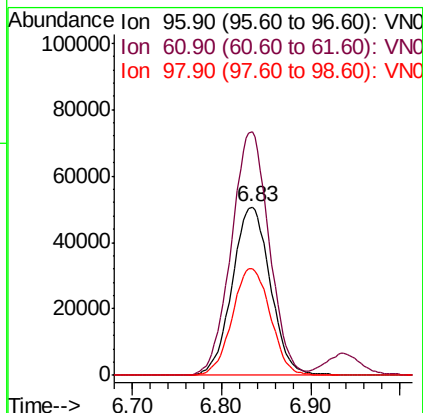
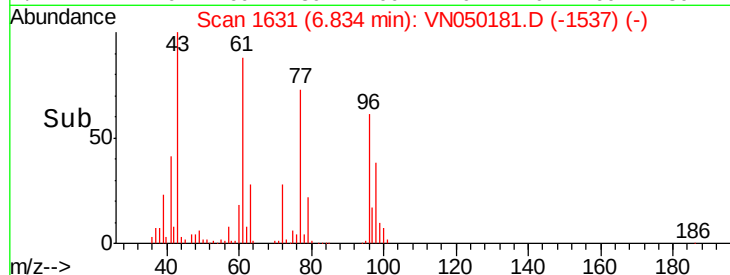
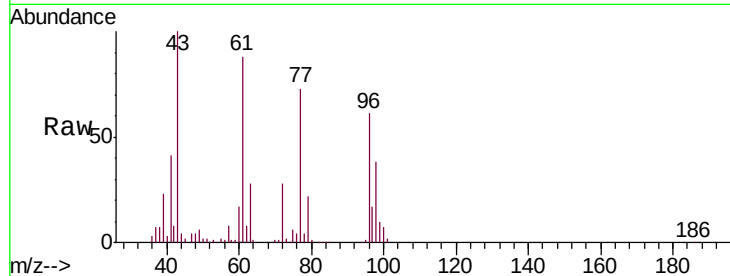
Tot Ion: 96 Resp: 150097

Ion Ratio Lower Upper

96 100

61 143.5 0.0 285.0

98 63.5 0.0 129.2



#28

Bromochloromethane

Concen: 20.61 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

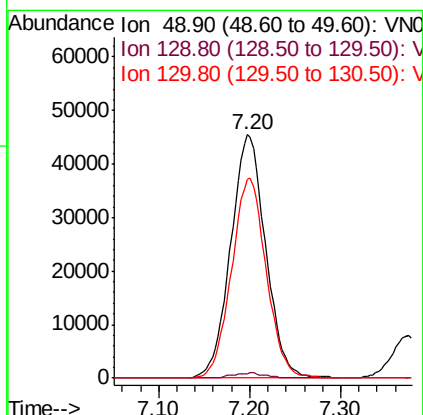
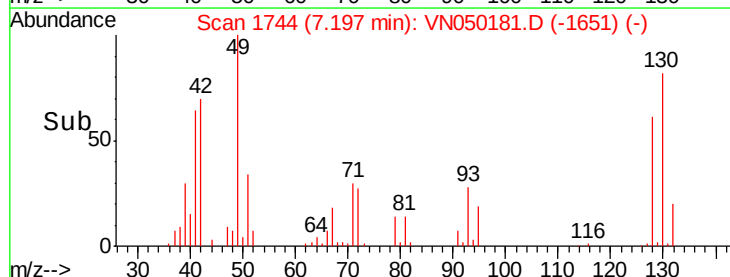
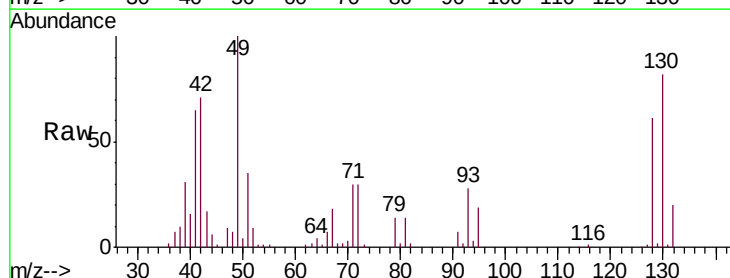
Tgt Ion: 49 Resp: 121248

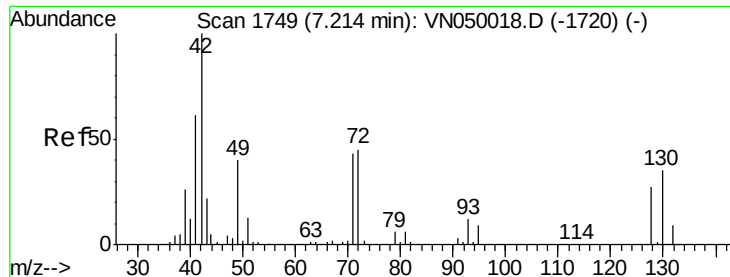
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

130 81.8 66.3 99.5

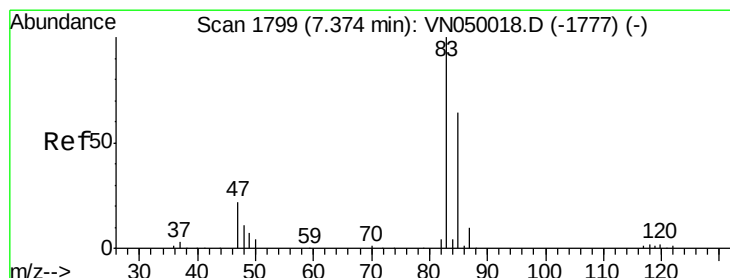
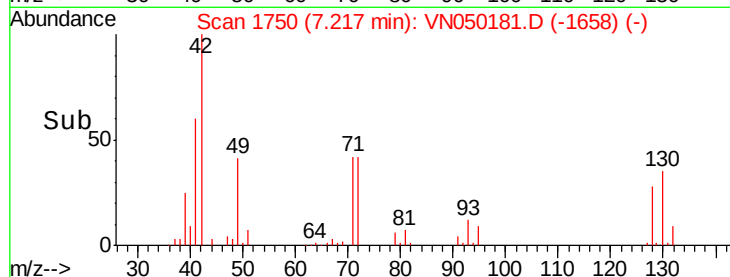
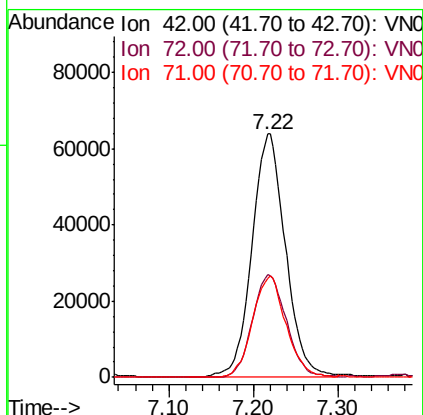
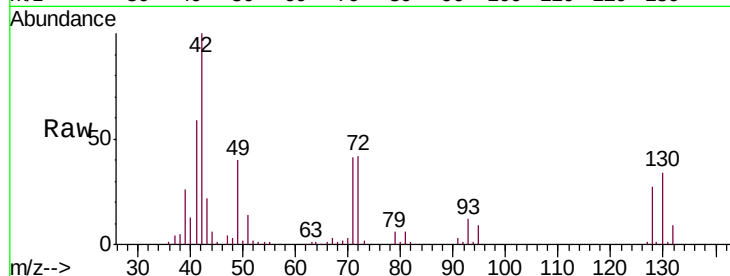




#29
Tetrahydrofuran
Concen: 92.36 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

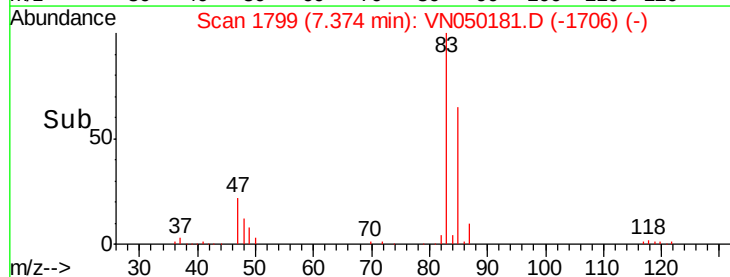
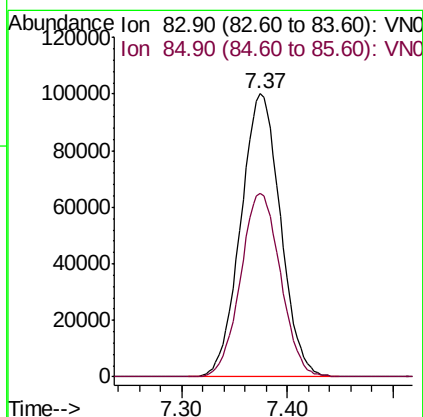
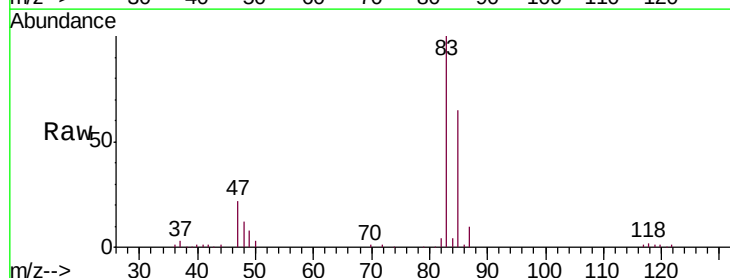
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

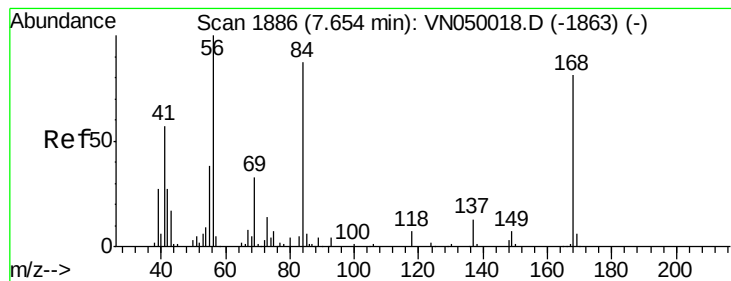
Tot Ion: 42 Resp: 176800
Ion Ratio Lower Upper
42 100
72 42.7 35.9 53.9
71 41.5 33.7 50.5



#30
Chloroform
Concen: 19.94 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion: 83 Resp: 262412
Ion Ratio Lower Upper
83 100
85 65.1 52.5 78.7





#31

Cyclohexane

Concen: 18.70 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampled :

VN0730WBSD01

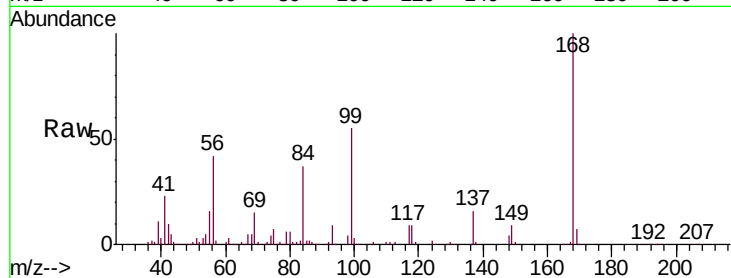
Tot Ion: 56 Resp: 200498

Ion Ratio Lower Upper

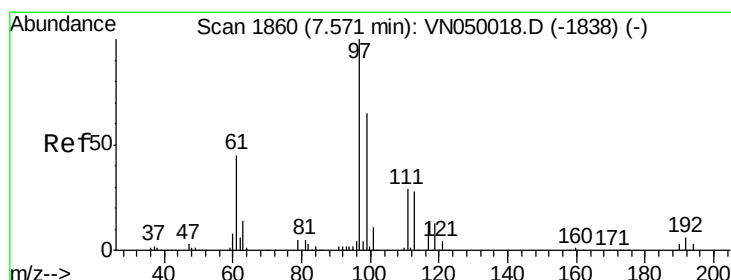
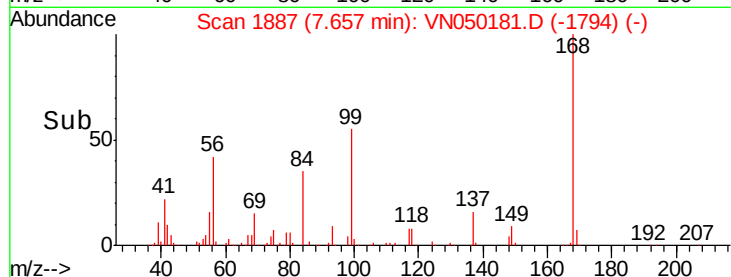
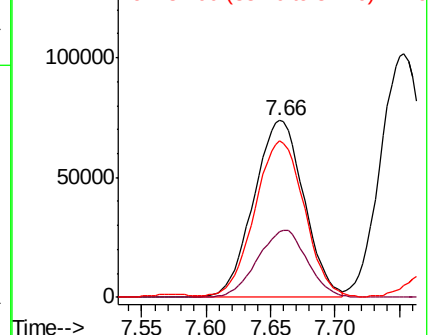
56 100

69 36.9 26.2 39.4

84 87.1 67.4 101.0



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



#32

1,1,1-Trichloroethane

Concen: 18.93 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

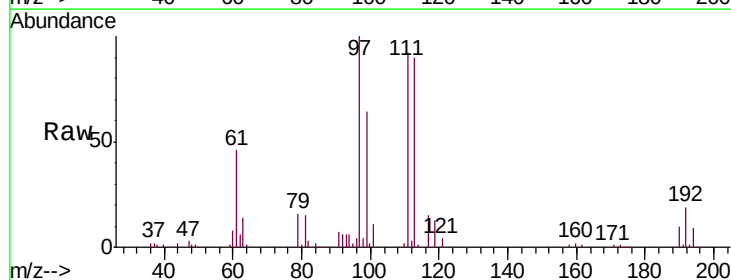
Tgt Ion: 97 Resp: 213084

Ion Ratio Lower Upper

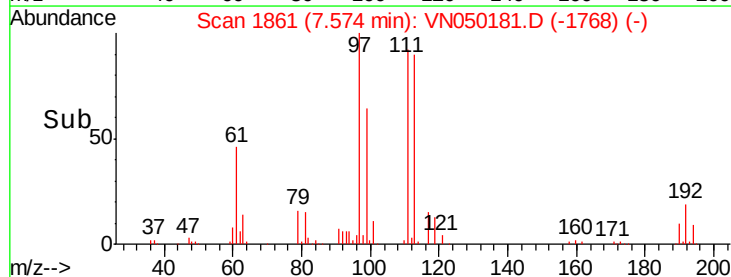
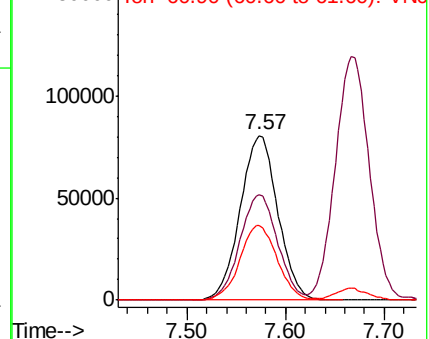
97 100

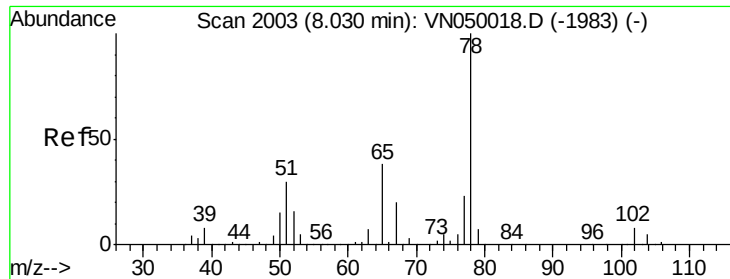
99 64.5 51.4 77.0

61 45.0 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

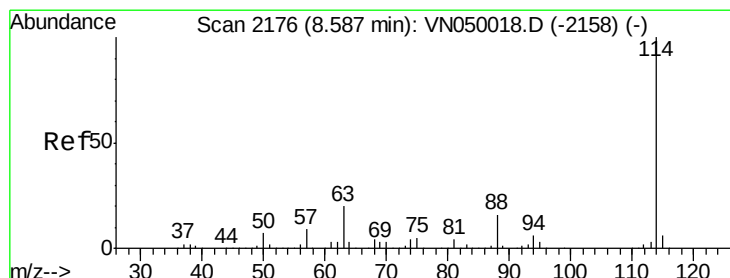
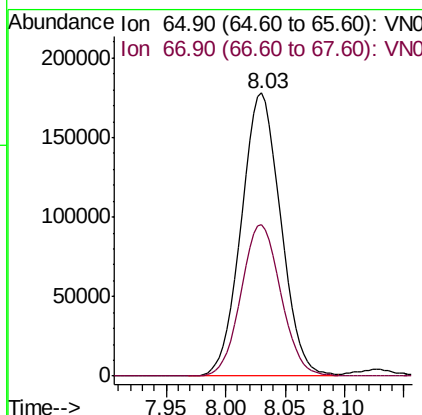
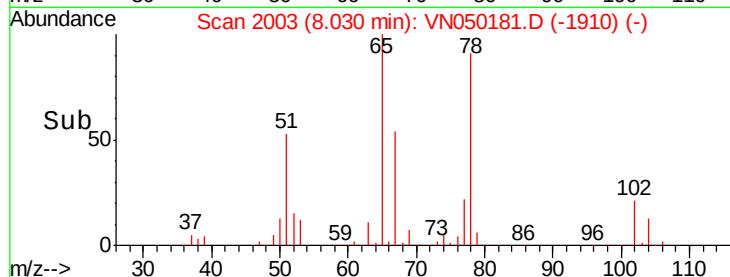
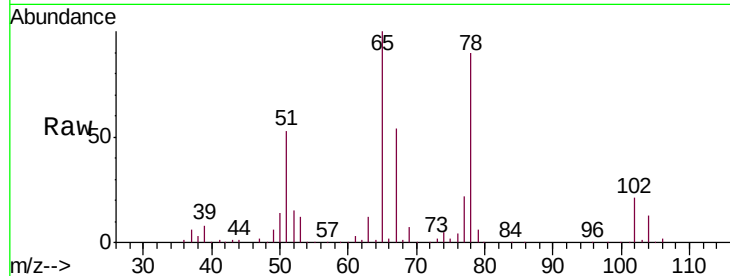




#33
 1,2-Dichloroethane-d4
 Concen: 52.82 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

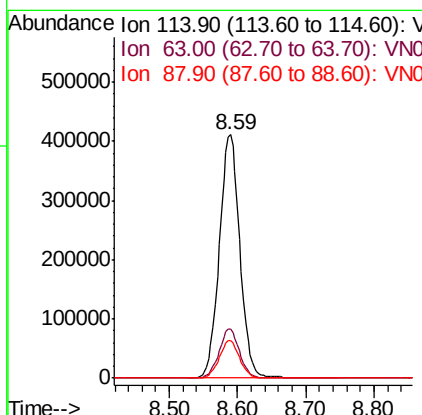
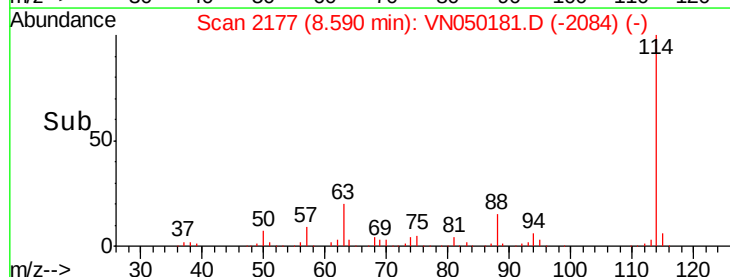
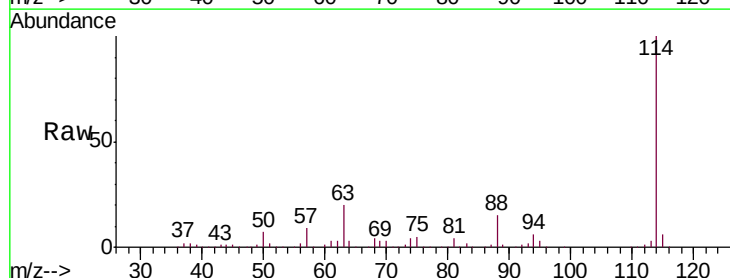
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

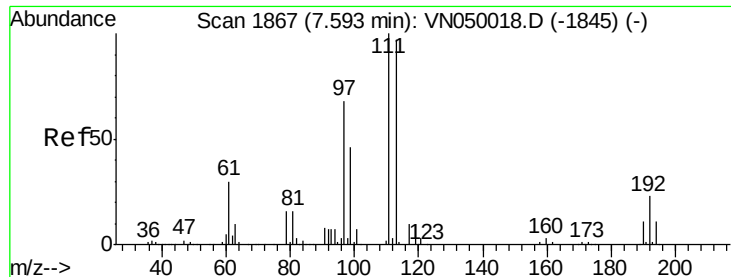
Tot Ion: 65 Resp: 410197
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion: 114 Resp: 855709
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.4 0.0 31.2

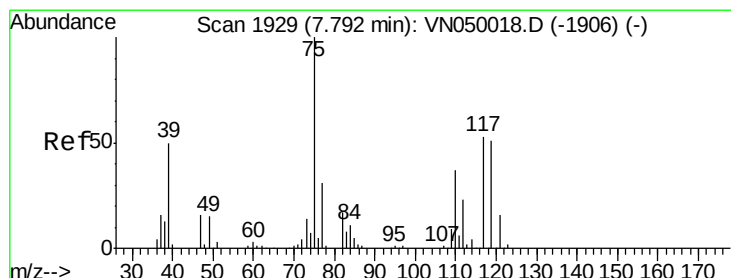
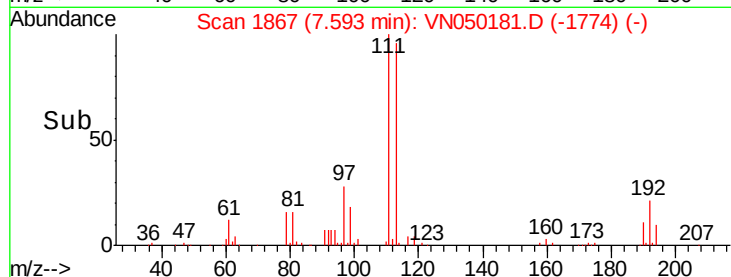
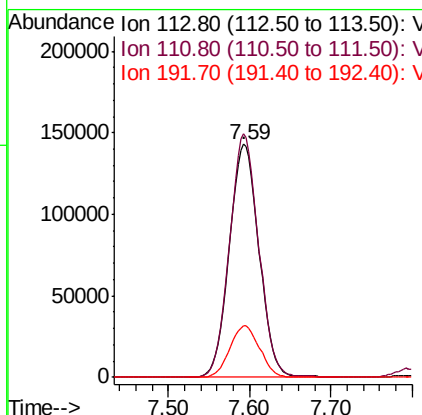
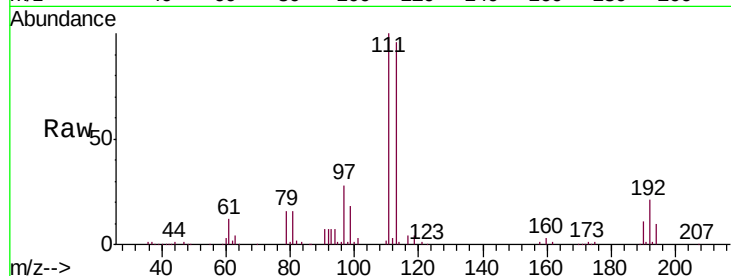




#35
 Dibromofluoromethane
 Concen: 52.05 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

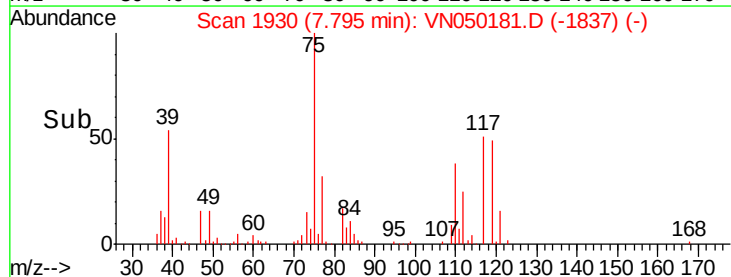
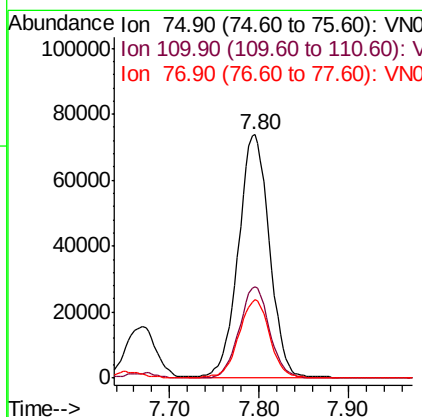
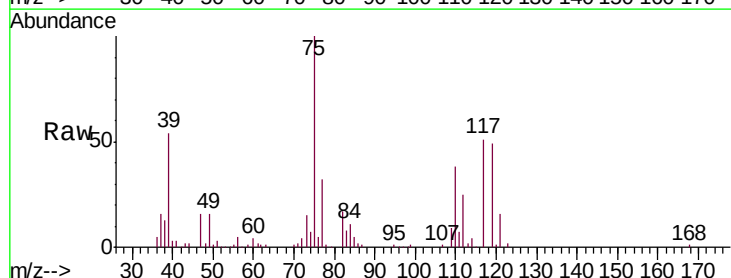
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

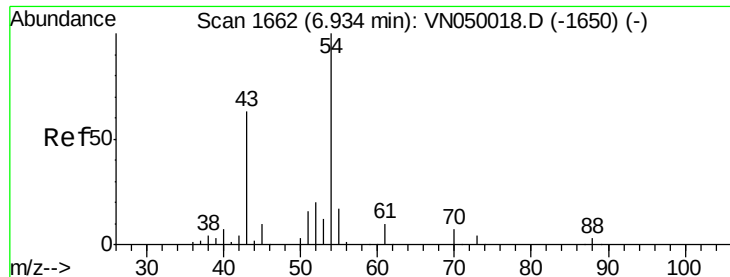
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.7	121.1
192	22.1	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 18.49 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.4	55.2
77	32.3	25.3	37.9

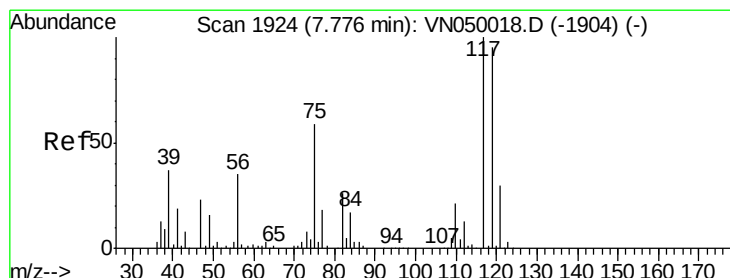
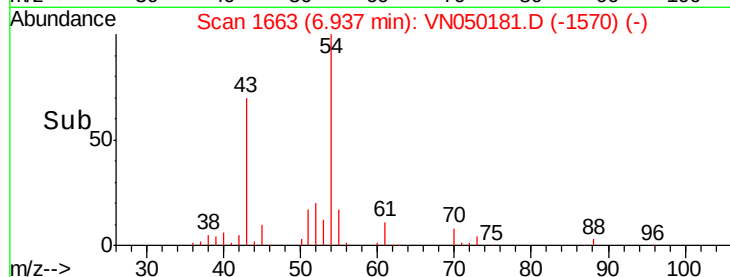
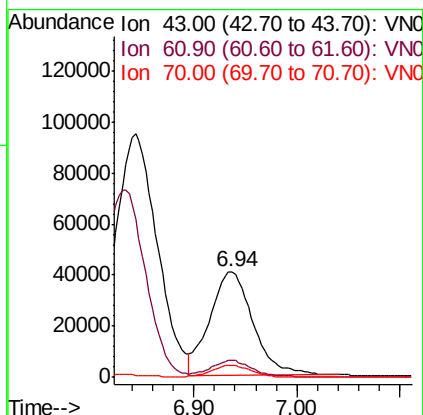
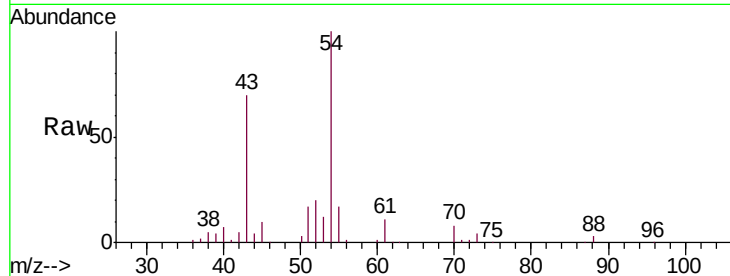




#37
Ethyl Acetate
Concen: 17.76 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

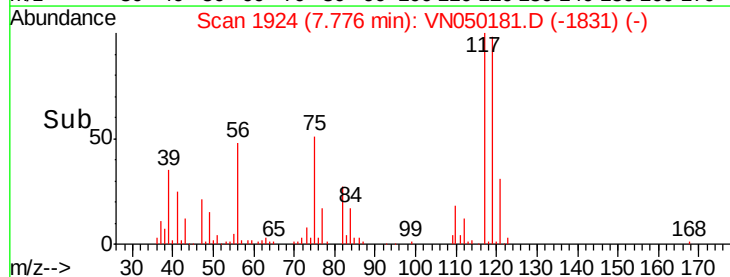
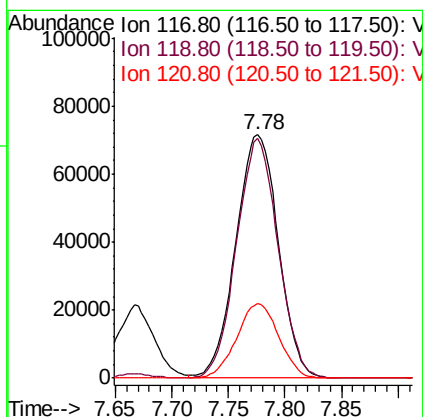
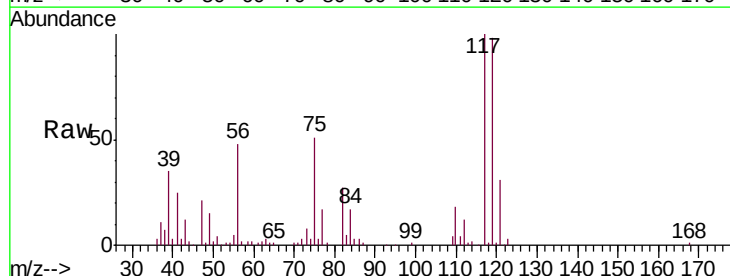
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

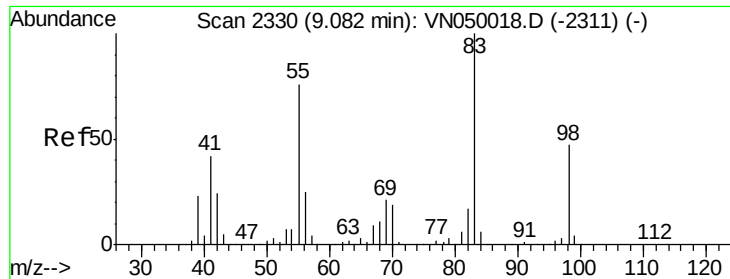
Tot Ion: 43 Resp: 119354
Ion Ratio Lower Upper
43 100
61 16.0 11.8 17.8
70 10.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.34 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion: 117 Resp: 187563
Ion Ratio Lower Upper
117 100
119 98.3 77.4 116.0
121 30.5 23.9 35.9

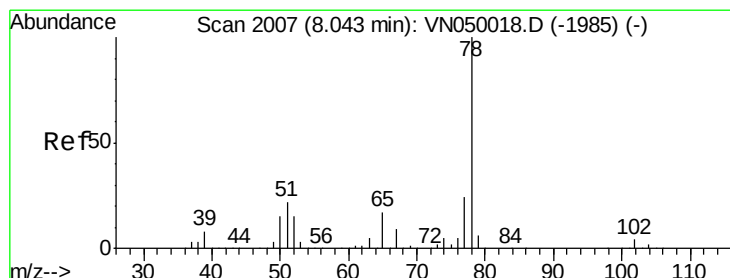
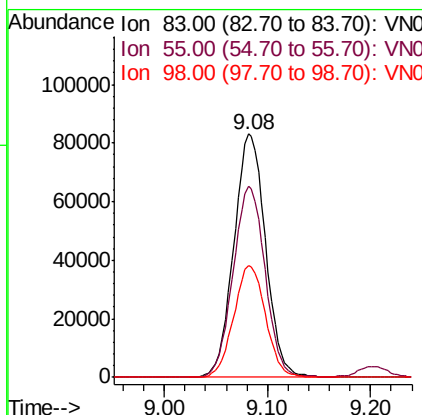
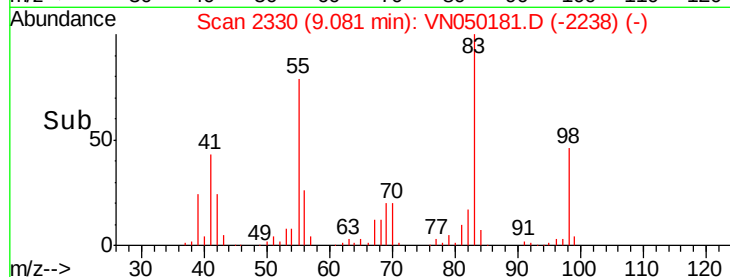
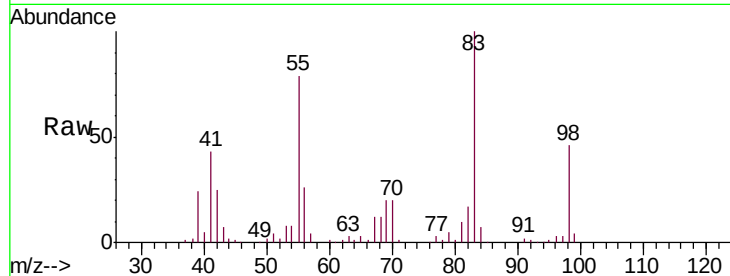




#39
Methylvlcyclohexane
Concen: 17.95 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

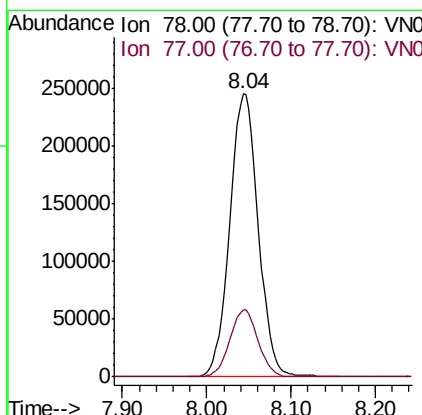
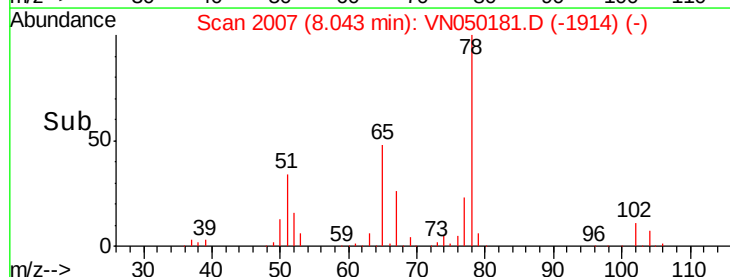
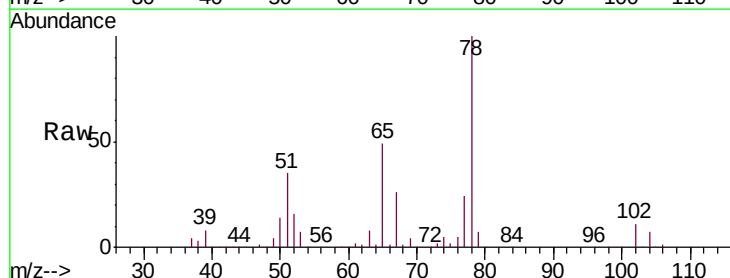
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

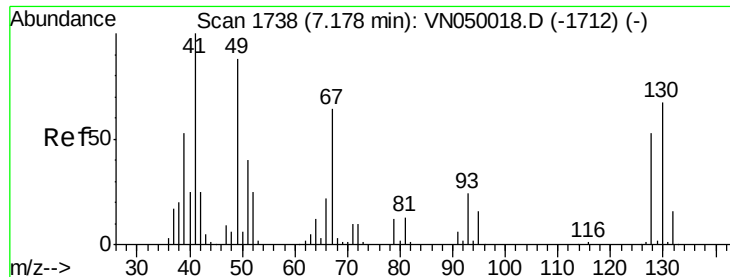
Tot Ion: 83 Resp: 178001
Ion Ratio Lower Upper
83 100
55 78.7 61.8 92.8
98 46.0 36.5 54.7



#40
Benzene
Concen: 19.63 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion: 78 Resp: 575752
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1

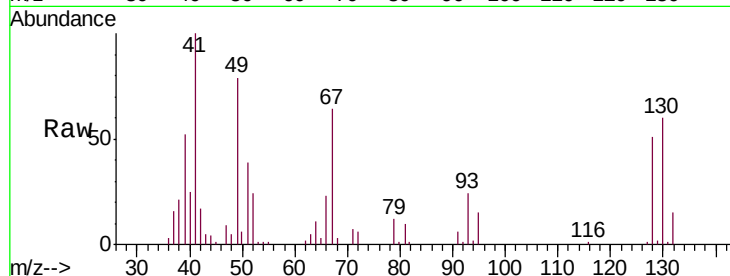




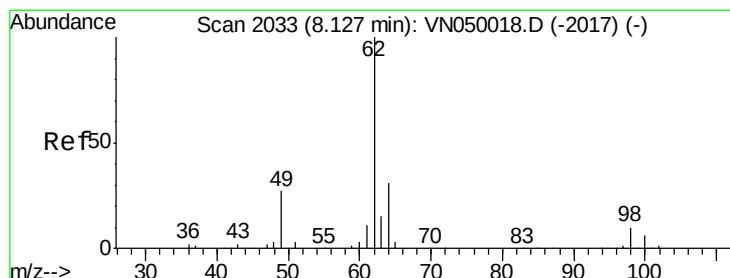
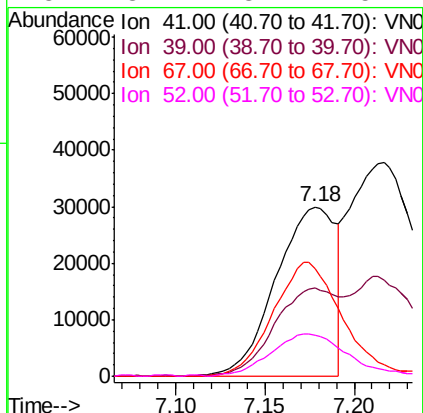
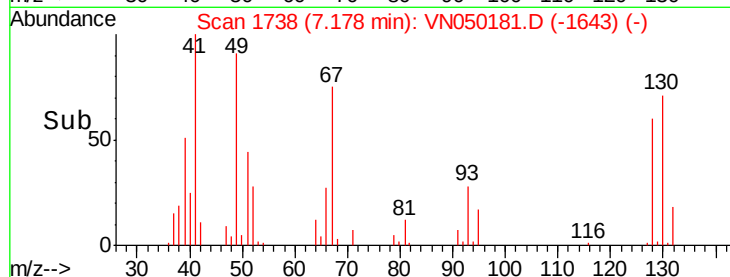
#41
Methacrylonitrile
Concen: 21.55 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion: 41 Resp: 69638
Ion Ratio Lower Upper
41 100
39 57.1 55.8 83.6
67 78.9 84.3 126.5#
52 32.2 34.2 51.2#

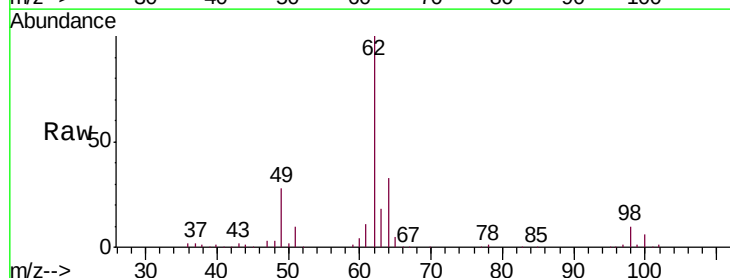


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

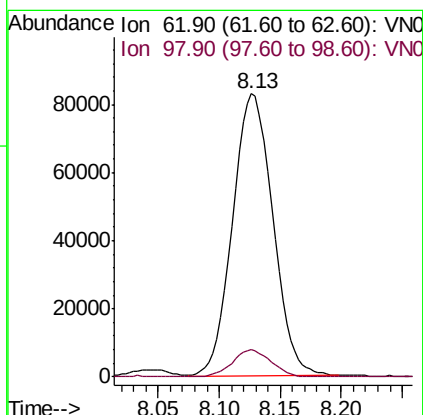
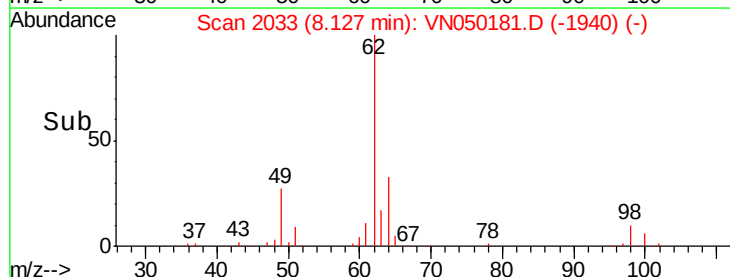


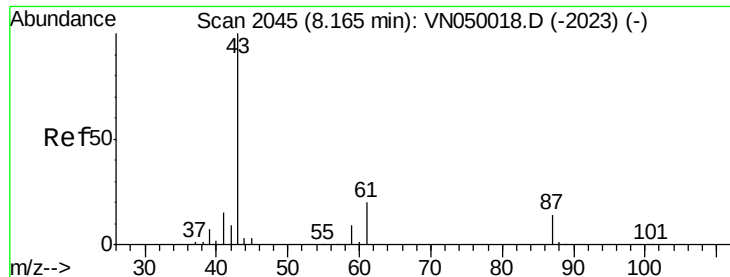
#42
1,2-Dichloroethane
Concen: 19.43 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion: 62 Resp: 190163
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 21.50 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

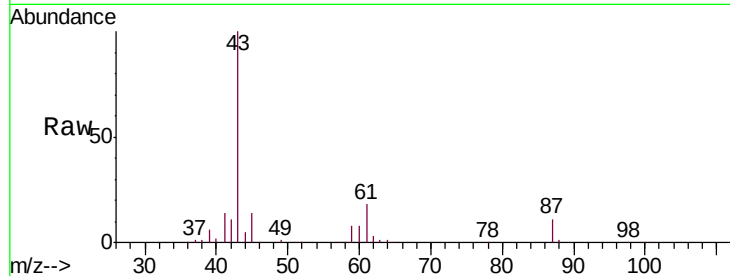
Tot Ion: 43 Resp: 280518

Ion Ratio Lower Upper

43 100

61 15.0 15.8 23.6#

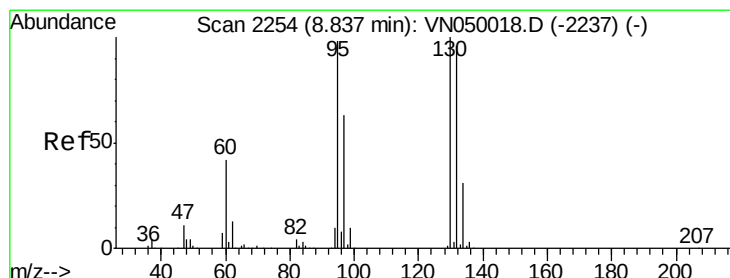
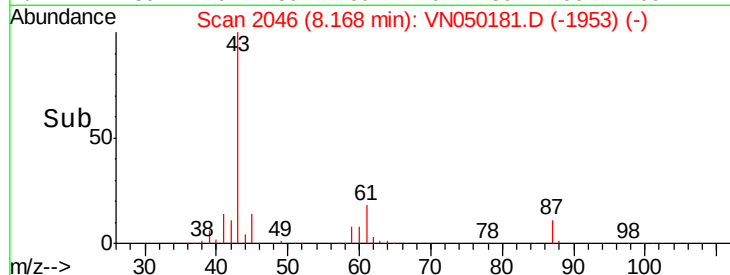
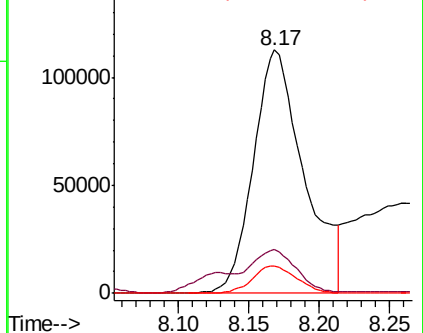
87 10.0 10.3 15.5#



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: 18.29 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050181.D

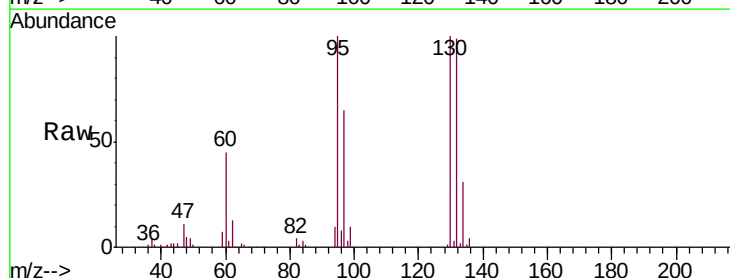
Acq: 30 Jul 2018 12:40

Tgt Ion:130 Resp: 144149

Ion Ratio Lower Upper

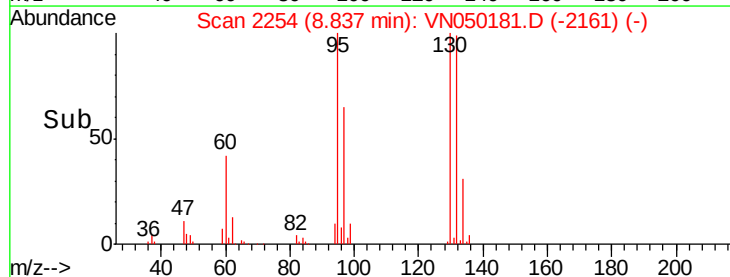
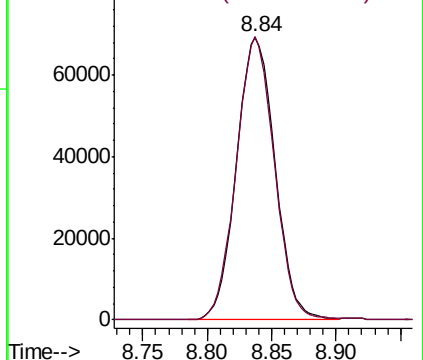
130 100

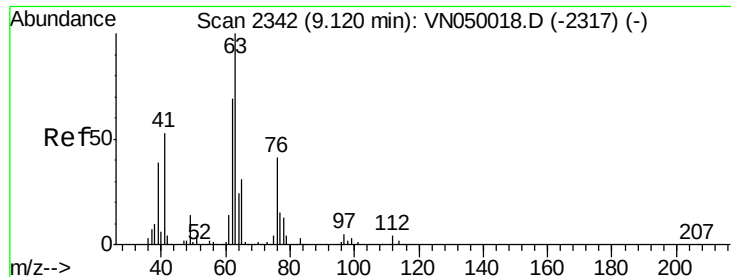
95 100.2 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

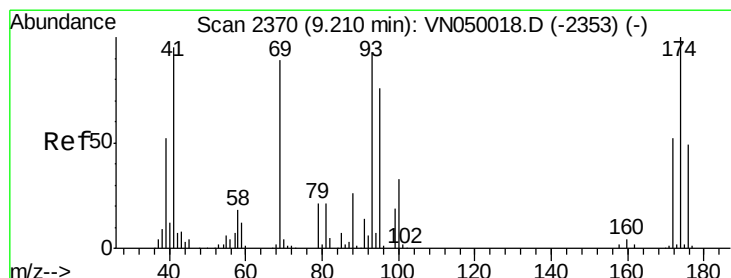
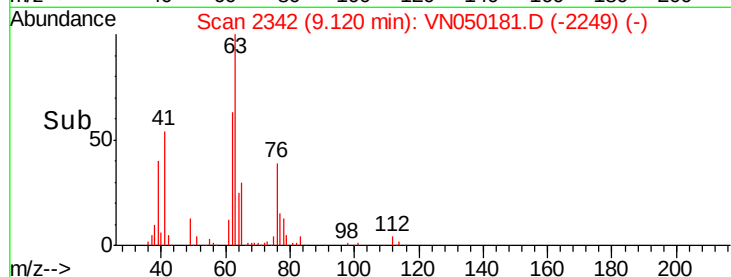
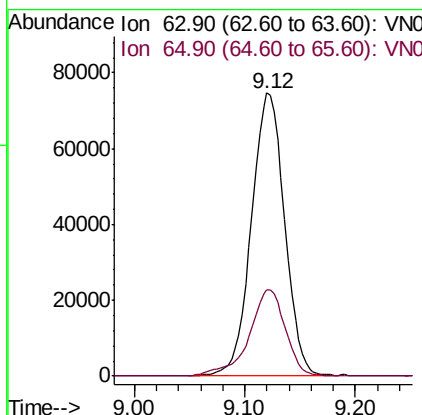
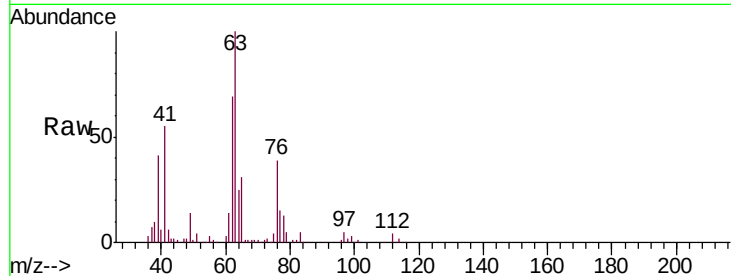




#45
 1,2-Dichloropropane
 Concen: 20.05 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

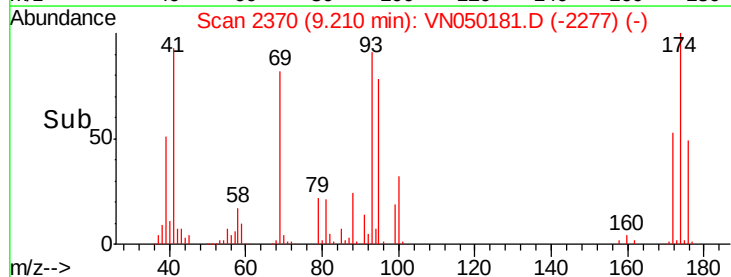
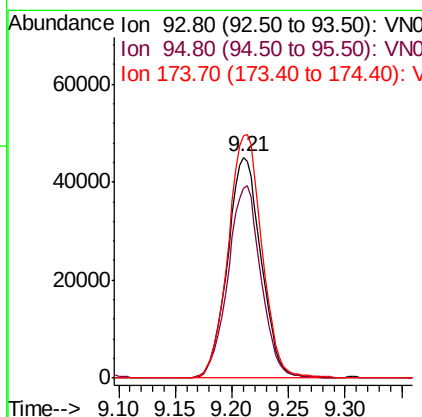
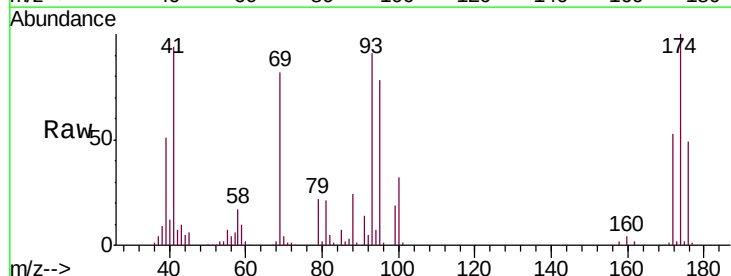
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

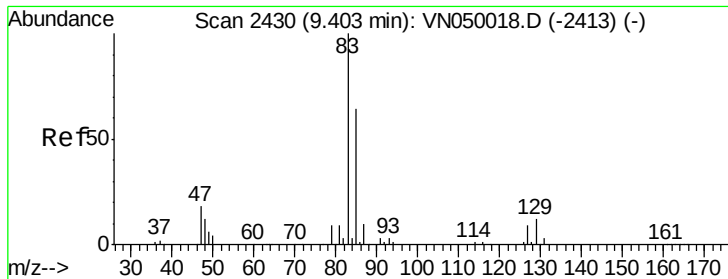
Tot Ion: 63 Resp: 155781
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.5 38.3



#46
 Dibromomethane
 Concen: 19.33 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion: 93 Resp: 93242
 Ion Ratio Lower Upper
 93 100
 95 85.6 66.6 100.0
 174 110.9 87.1 130.7





#47

Bromodichloromethane

Concen: 19.80 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

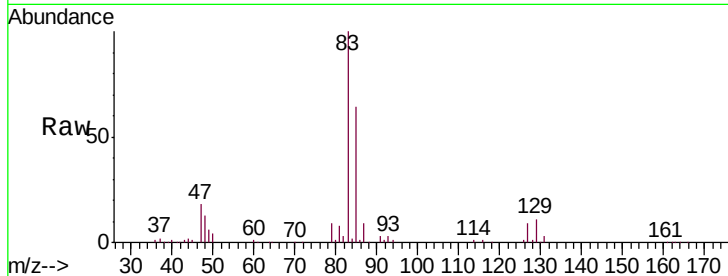
Tot Ion: 83 Resp: 201600

Ion Ratio Lower Upper

83 100

85 63.6 51.1 76.7

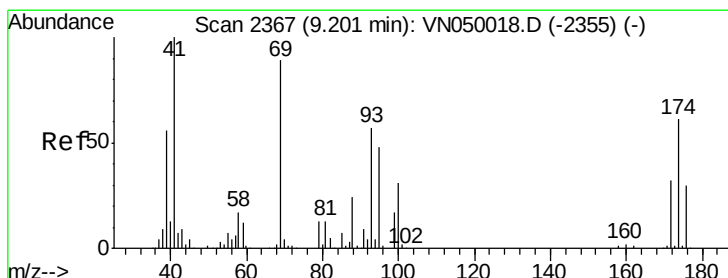
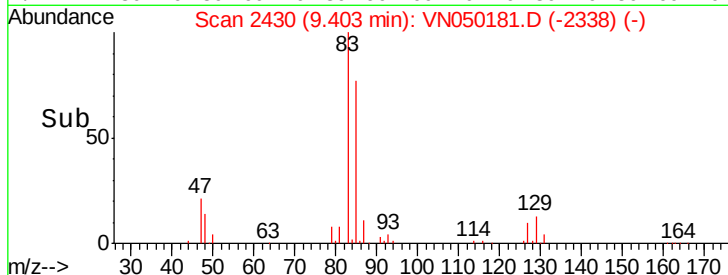
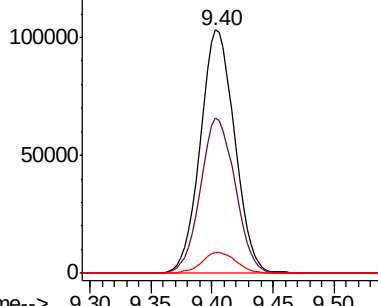
127 8.5 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.91 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

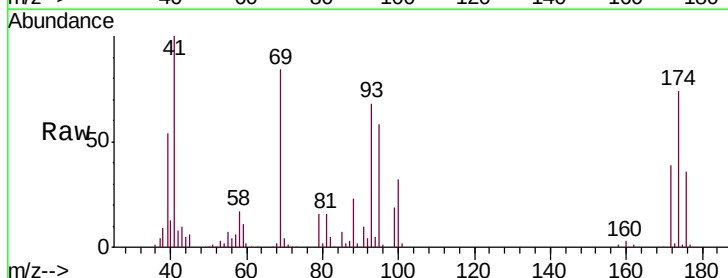
Tgt Ion: 41 Resp: 109456

Ion Ratio Lower Upper

41 100

69 87.0 70.6 105.8

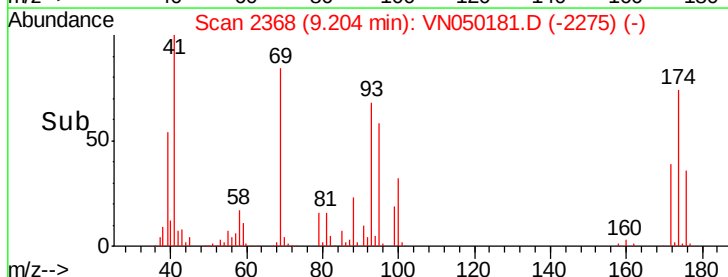
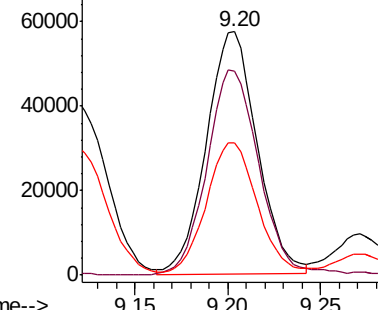
39 55.1 43.9 65.9

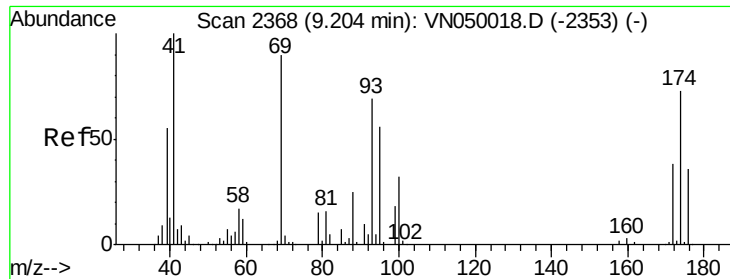


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 357.63 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

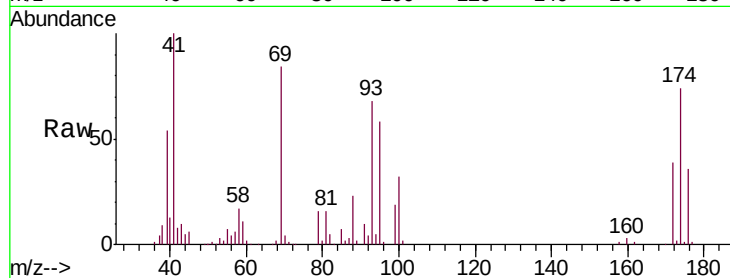
Tot Ion: 88 Resp: 28174

Ion Ratio Lower Upper

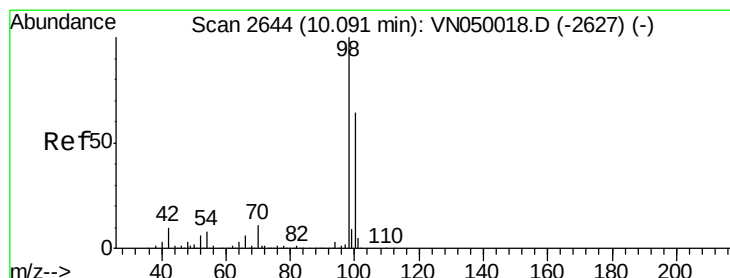
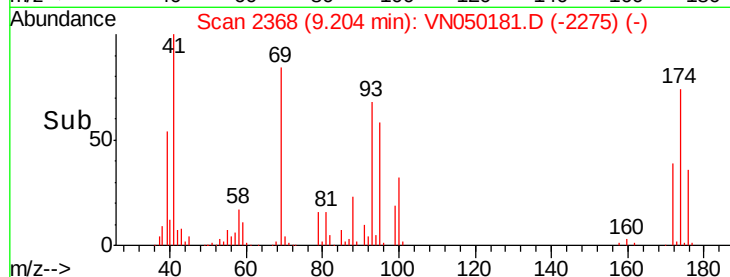
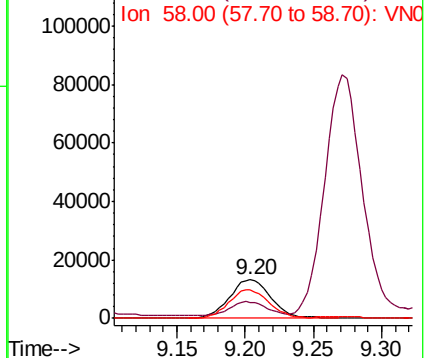
88 100

43 31.9 26.9 40.3

58 71.5 57.3 85.9



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



#50

Toluene-d8

Concen: 49.98 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050181.D

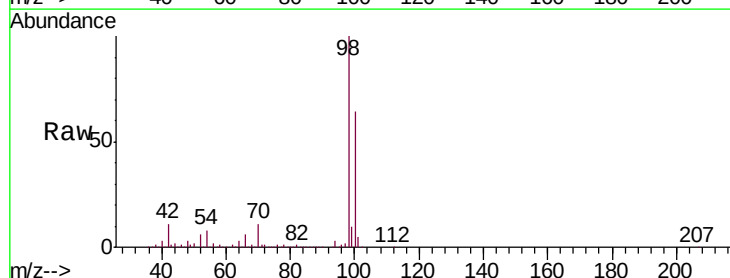
Acq: 30 Jul 2018 12:40

Tgt Ion: 98 Resp: 1283684

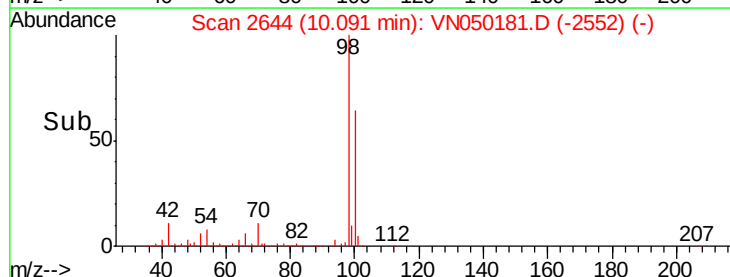
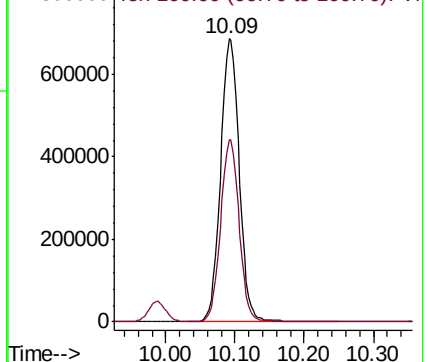
Ion Ratio Lower Upper

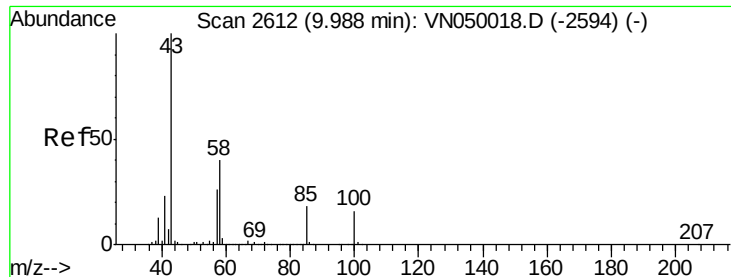
98 100

100 63.5 50.7 76.1



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





#51

4-Methyl-2-Pentanone

Concen: 92.49 ug/l

RT: 9.98 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

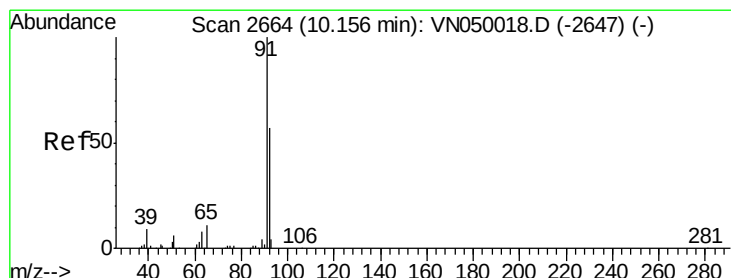
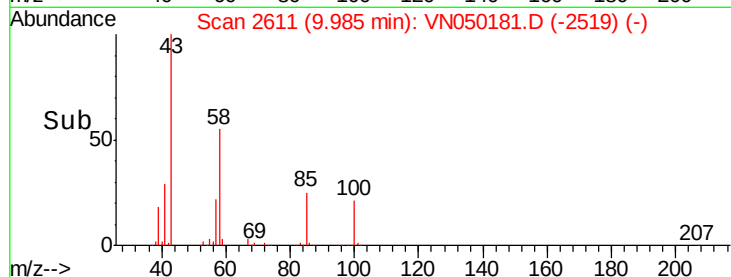
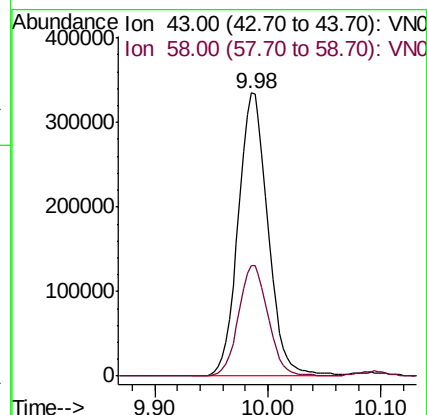
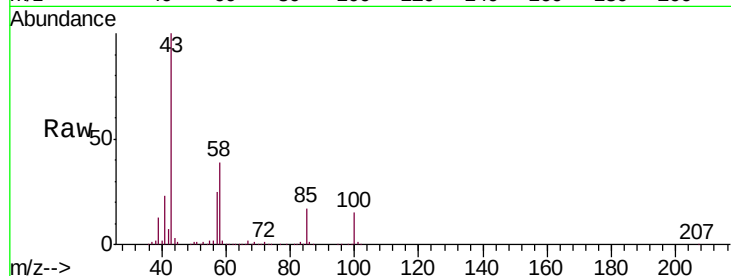
VN0730WBSD01

Tot Ion: 43 Resp: 611141

Ion Ratio Lower Upper

43 100

58 39.2 31.9 47.9



#52

Toluene

Concen: 19.73 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050181.D

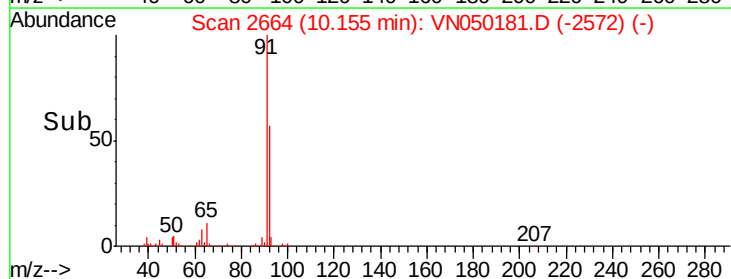
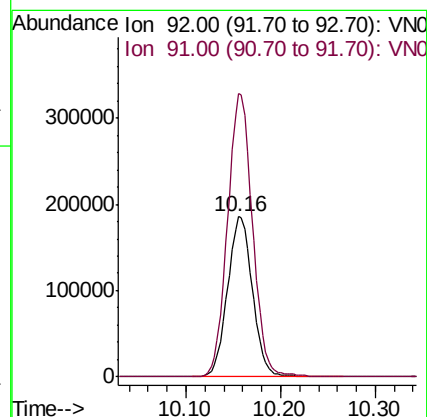
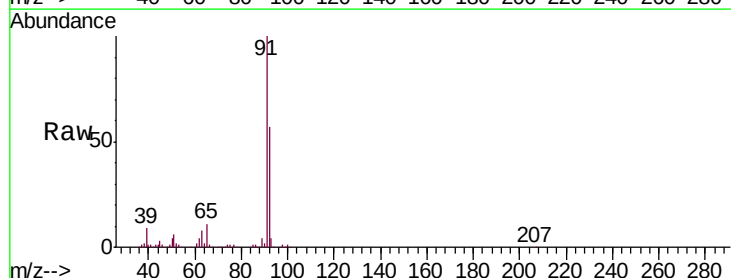
Acq: 30 Jul 2018 12:40

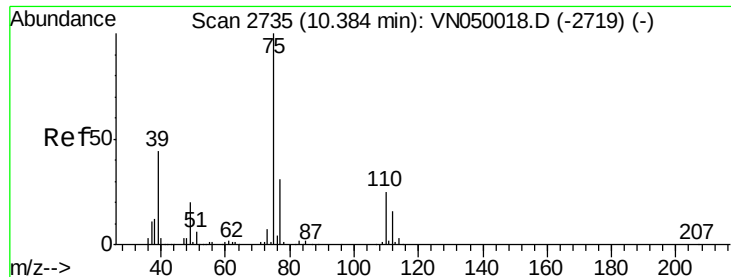
Tgt Ion: 92 Resp: 341737

Ion Ratio Lower Upper

92 100

91 177.0 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 20.02 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

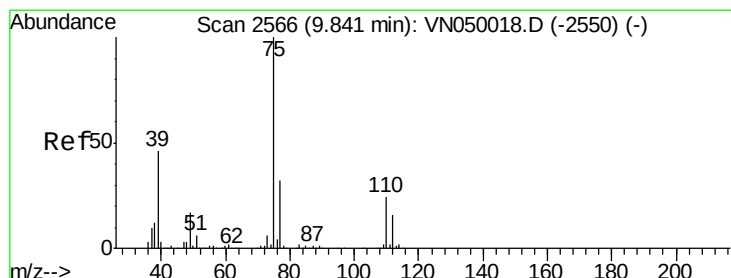
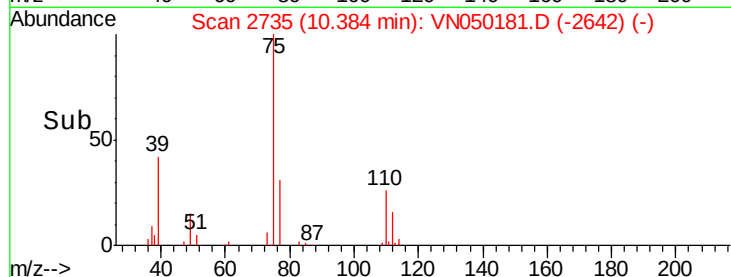
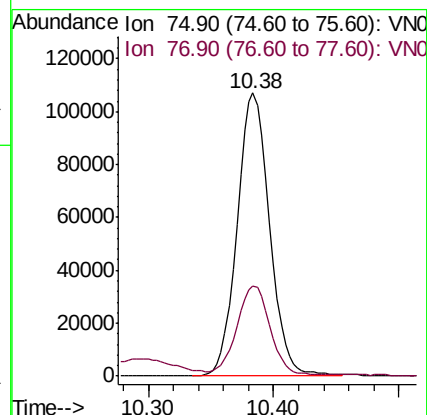
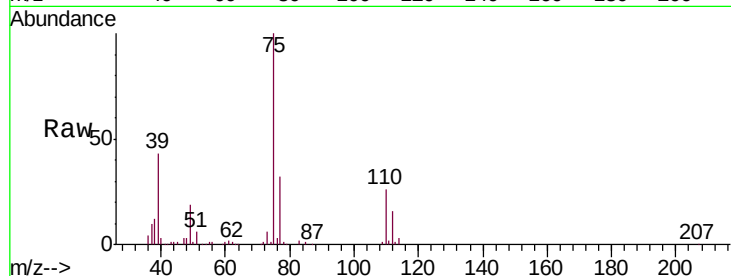
VN0730WBSD01

Tot Ion: 75 Resp: 192380

Ion Ratio Lower Upper

75 100

77 31.5 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.21 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

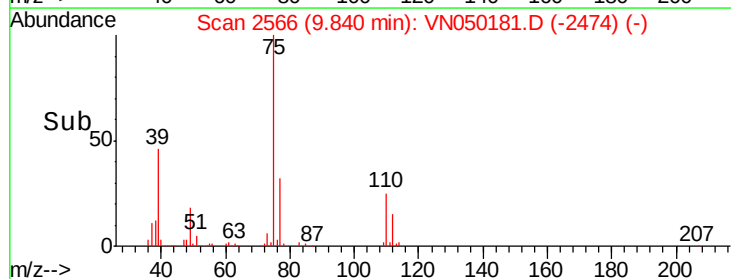
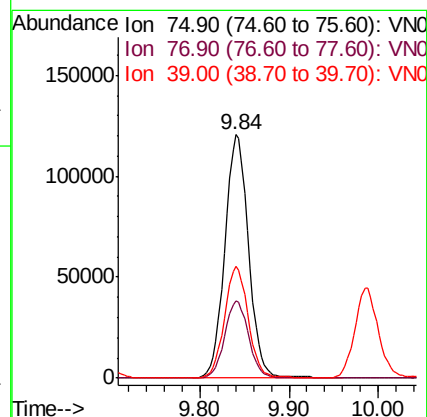
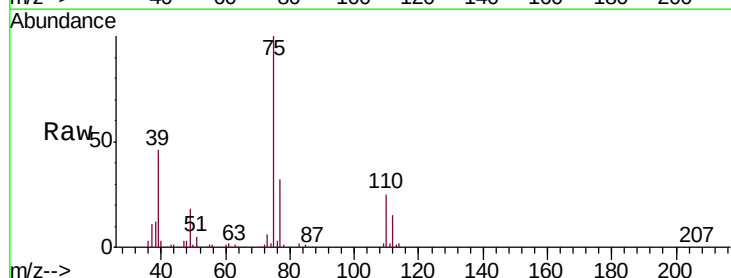
Tgt Ion: 75 Resp: 221932

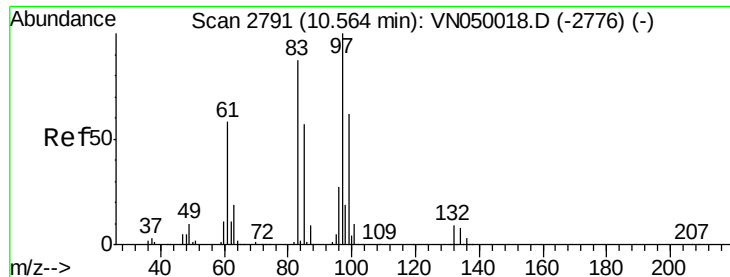
Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

39 45.7 36.6 55.0



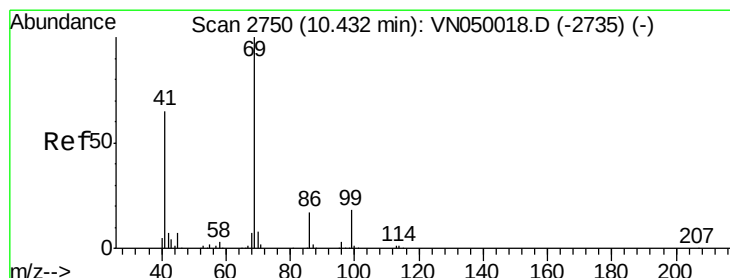
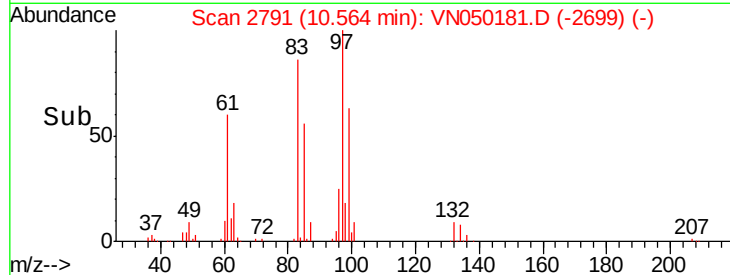
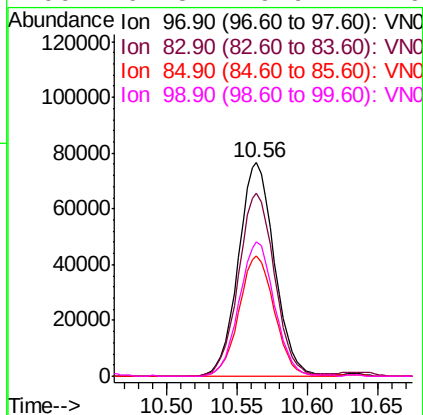
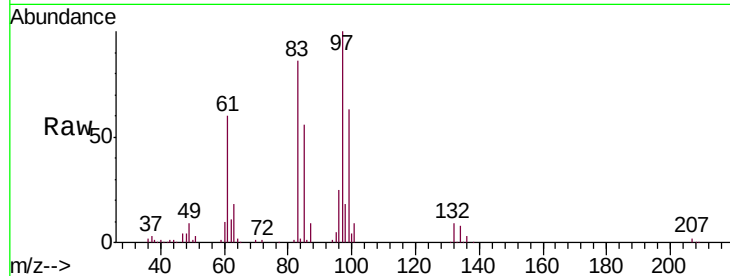


#55
 1,1,2-Trichloroethane
 Concen: 20.02 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Tot Ion: 97 Resp: 137485

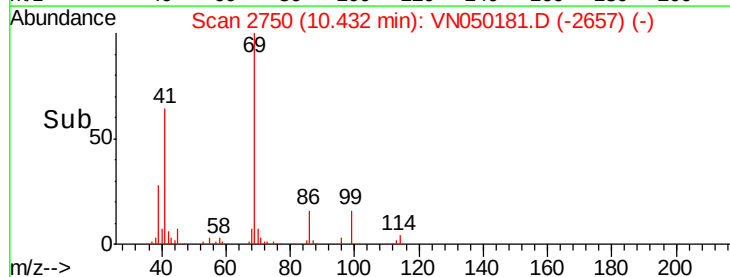
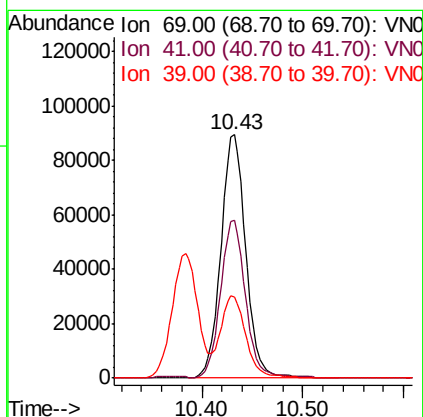
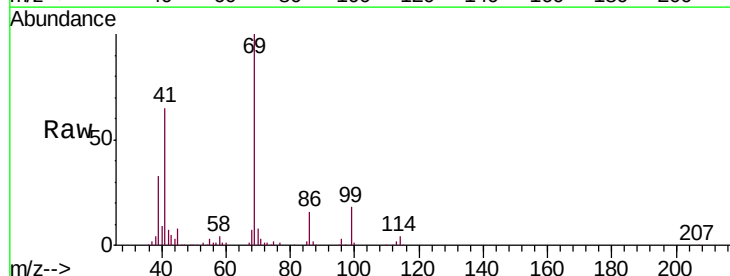
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.2	103.8
85	56.1	44.0	66.0
99	62.8	49.9	74.9

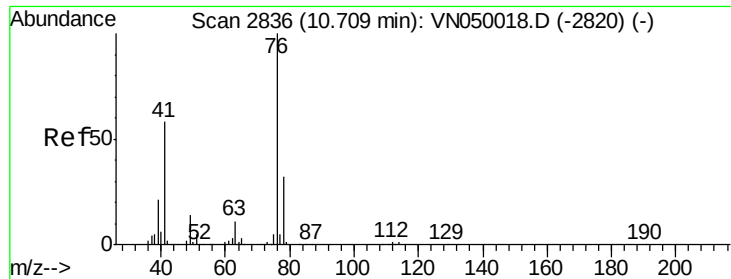


#56
 Ethyl methacrylate
 Concen: 17.95 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion: 69 Resp: 154370

Ion	Ratio	Lower	Upper
69	100		
41	64.2	51.0	76.4
39	33.8	26.6	40.0





#57

1,3-Dichloropropane

Concen: 20.04 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampled :

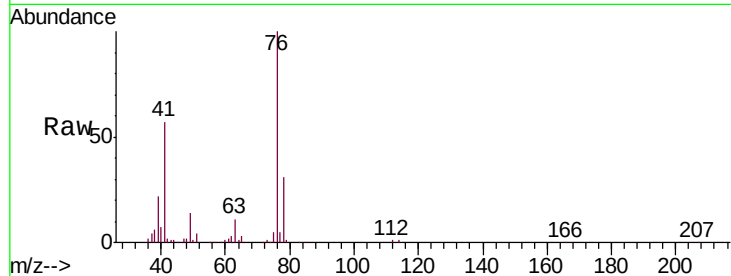
VN0730WBSD01

Tot Ion: 76 Resp: 224147

Ion Ratio Lower Upper

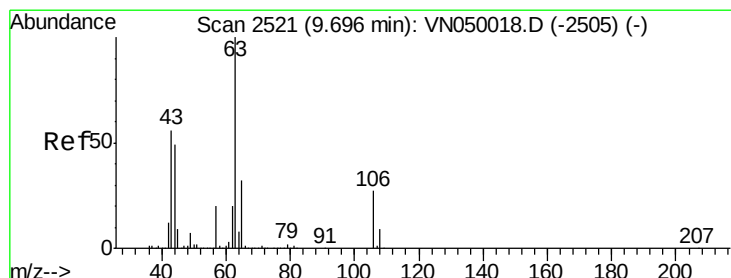
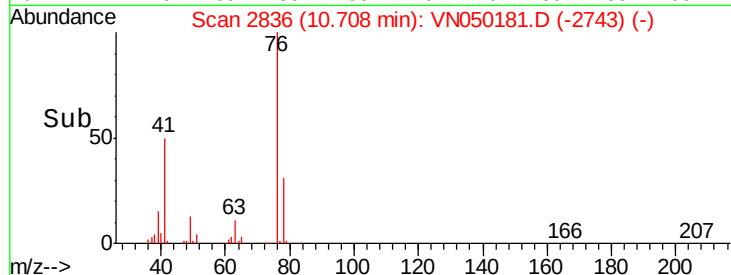
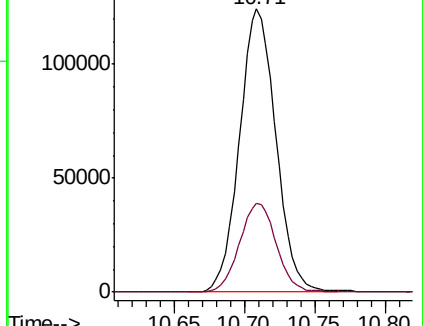
76 100

78 32.0 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 87.23 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050181.D

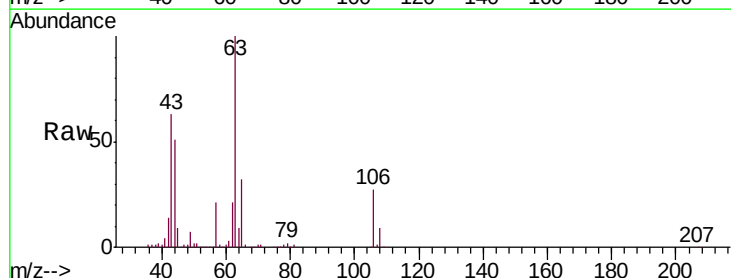
Acq: 30 Jul 2018 12:40

Tgt Ion: 63 Resp: 354227

Ion Ratio Lower Upper

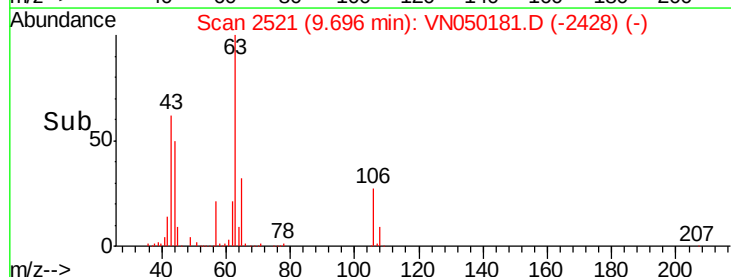
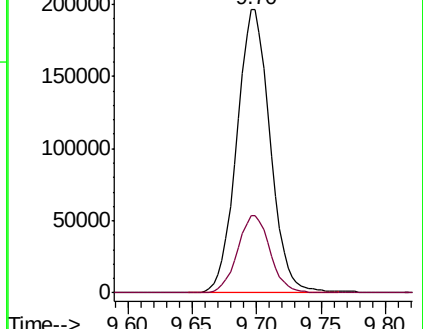
63 100

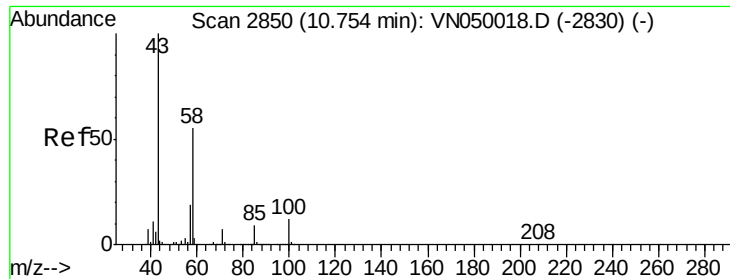
106 26.9 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

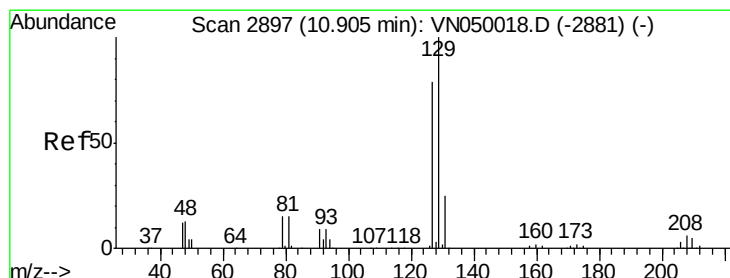
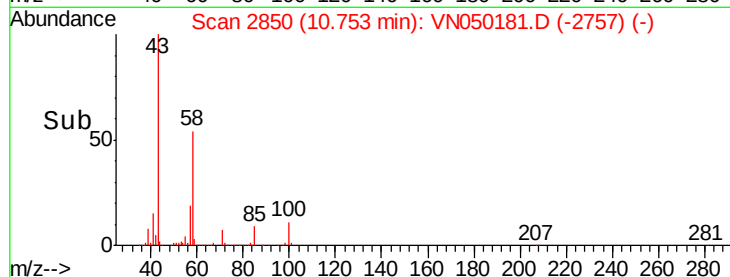
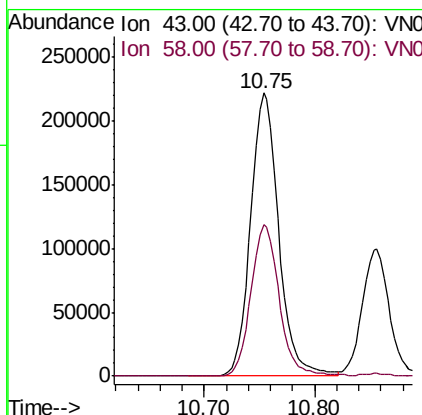
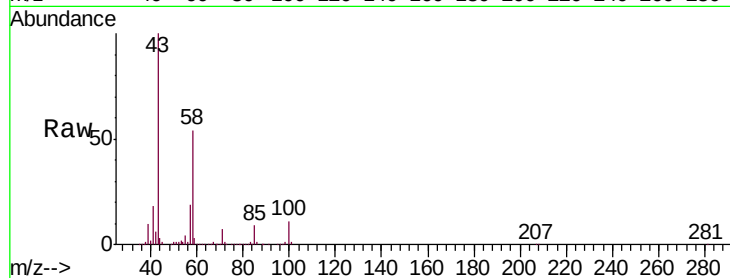




#59
2-Hexanone
Concen: 83.67 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

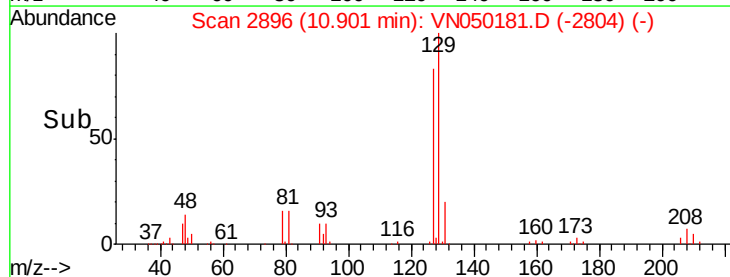
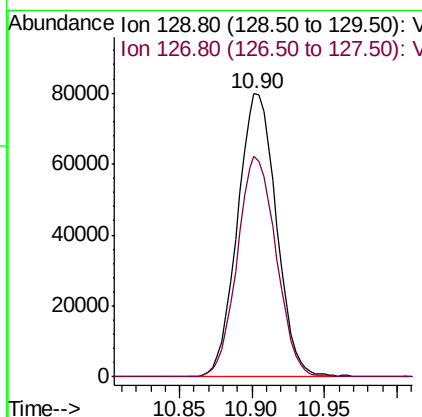
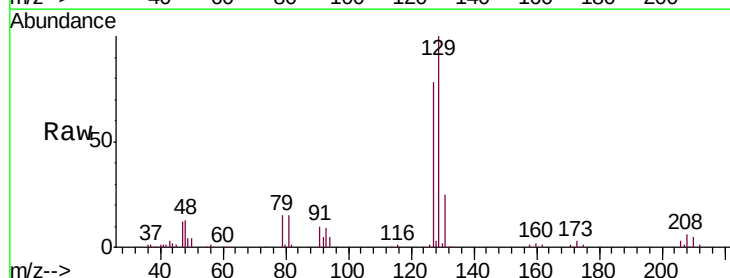
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

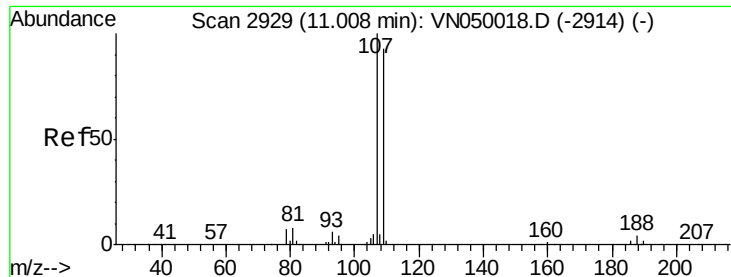
Tot Ion: 43 Resp: 389195
Ion Ratio Lower Upper
43 100
58 54.3 27.6 82.7



#60
Dibromochloromethane
Concen: 19.59 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion: 129 Resp: 149007
Ion Ratio Lower Upper
129 100
127 77.8 38.0 113.9

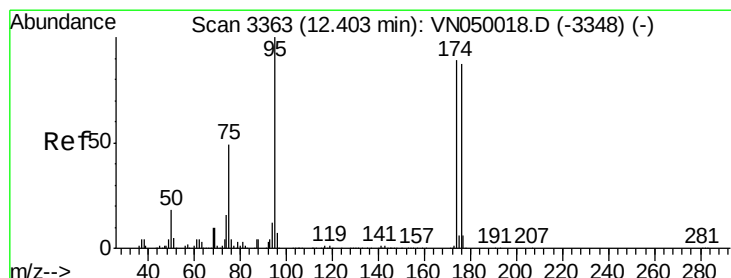
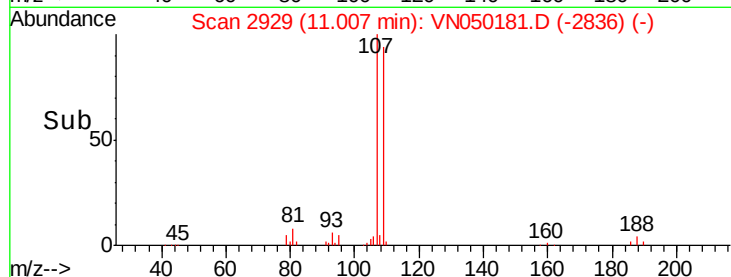
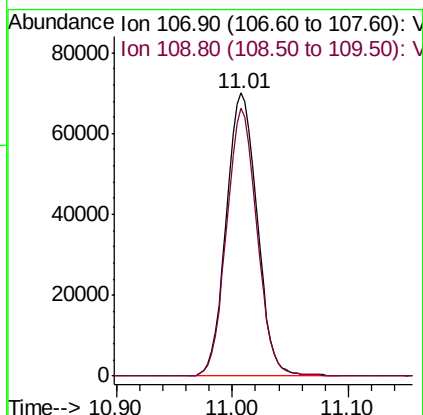
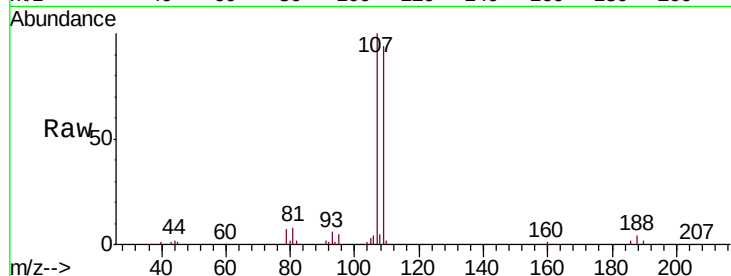




#61
 1,2-Dibromoethane
 Concen: 18.92 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

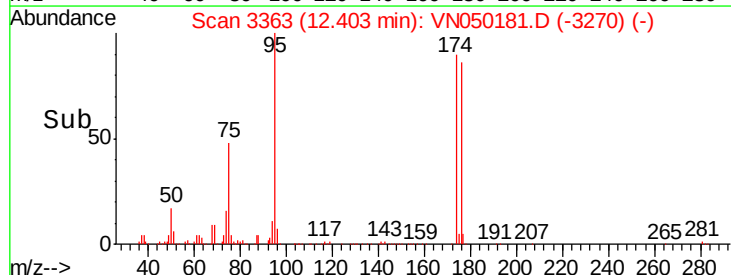
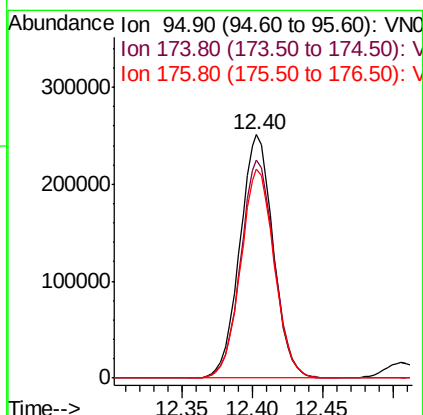
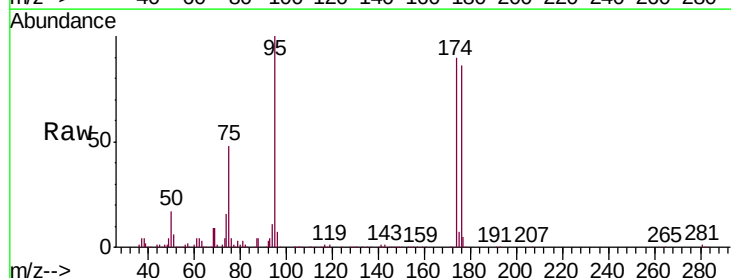
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

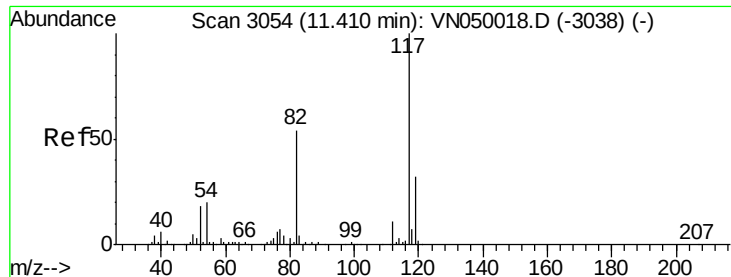
Tot Ion:107 Resp: 128908
 Ion Ratio Lower Upper
 107 100
 109 92.8 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 49.16 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion: 95 Resp: 415743
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 178.2
 176 86.5 0.0 173.4

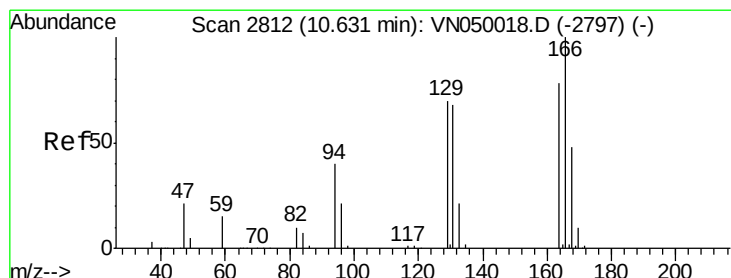
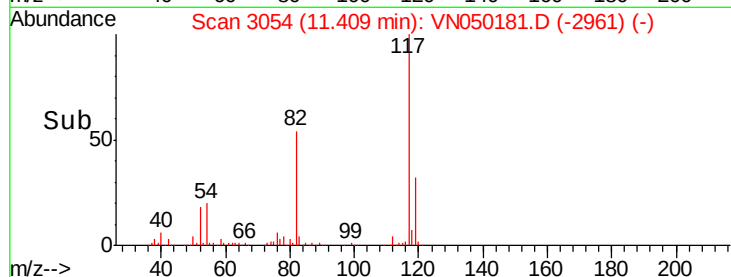
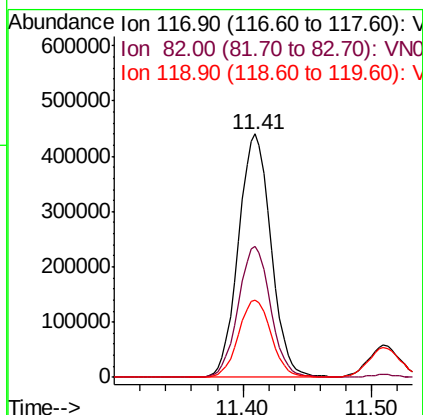
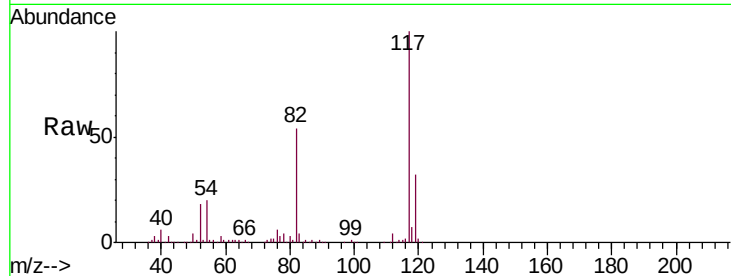




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

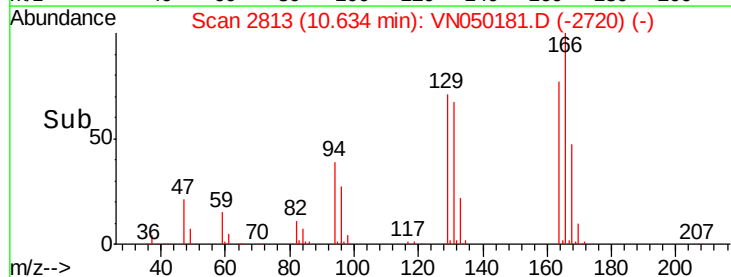
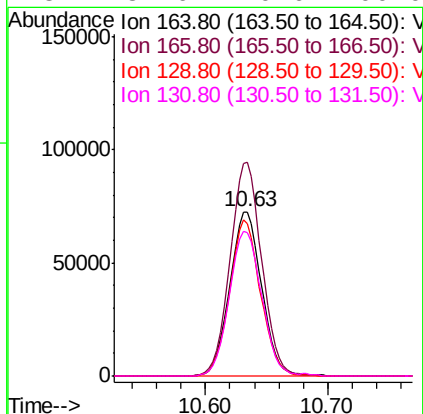
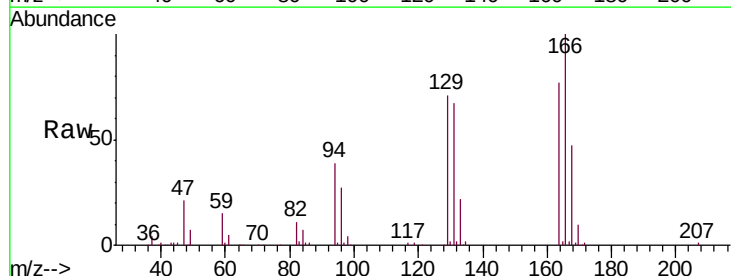
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

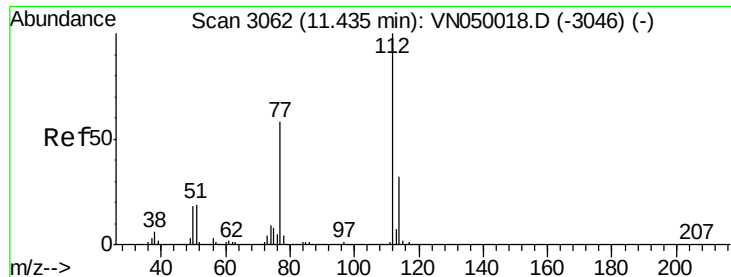
Tot Ion:117 Resp: 773486
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 31.9 26.1 39.1



#64
Tetrachloroethene
Concen: 17.75 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion:164 Resp: 131962
Ion Ratio Lower Upper
164 100
166 130.1 102.1 153.1
129 92.7 73.2 109.8
131 87.6 70.6 106.0

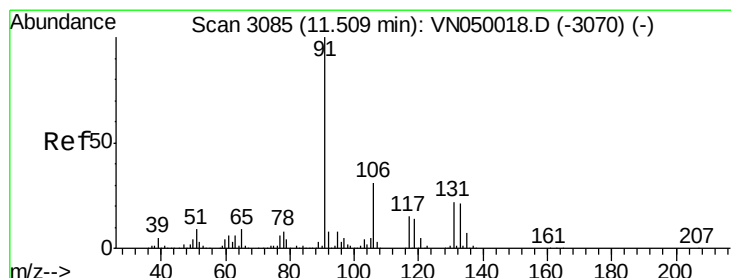
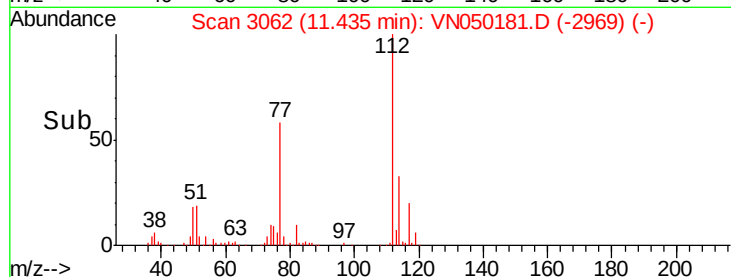
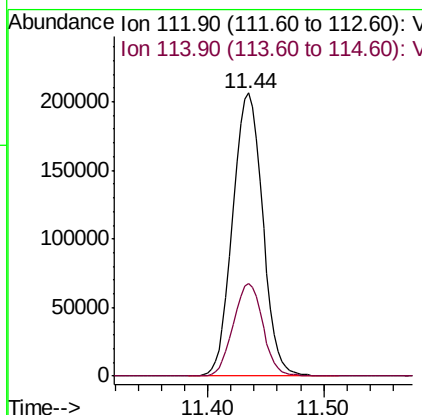
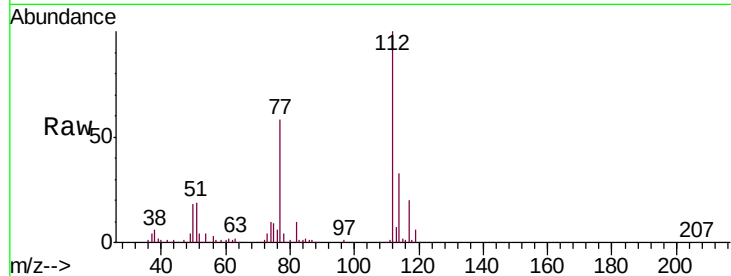




#65
Chlorobenzene
Concen: 18.90 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

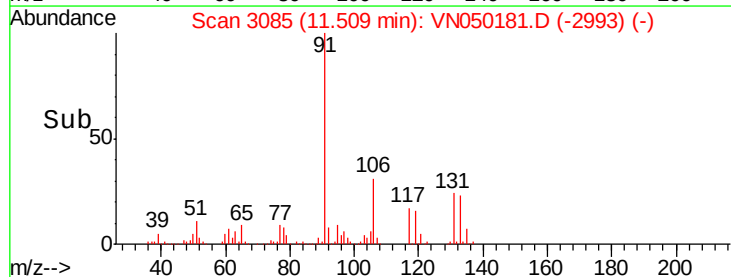
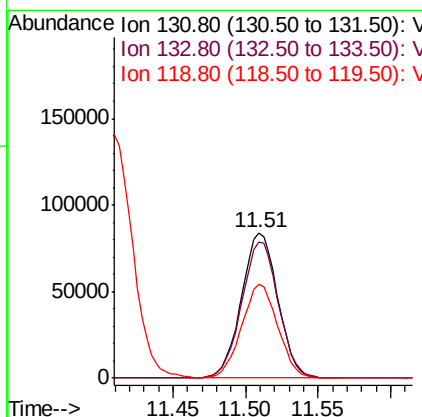
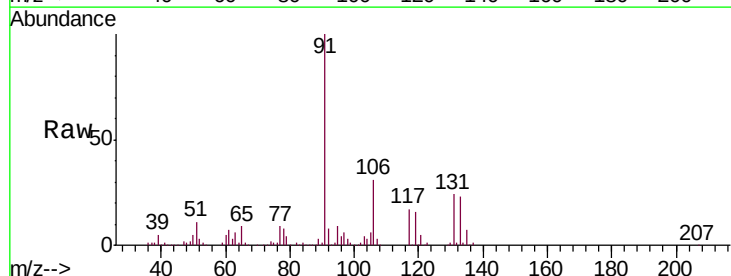
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

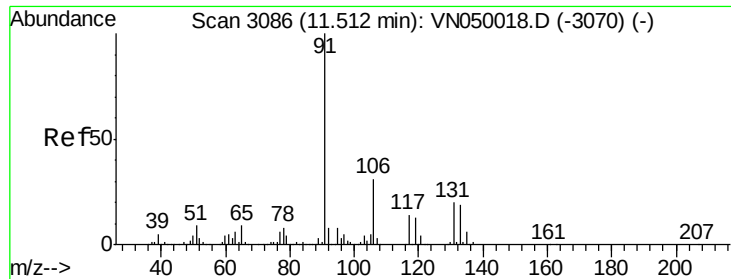
Tot Ion:112 Resp: 369232
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.49 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion:131 Resp: 146308
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.9
119 64.4 32.9 98.7





#67

Ethyl Benzene

Concen: 19.16 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

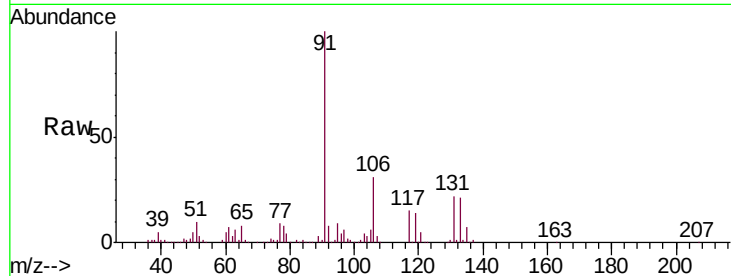
VN0730WBSD01

Tot Ion: 91 Resp: 601435

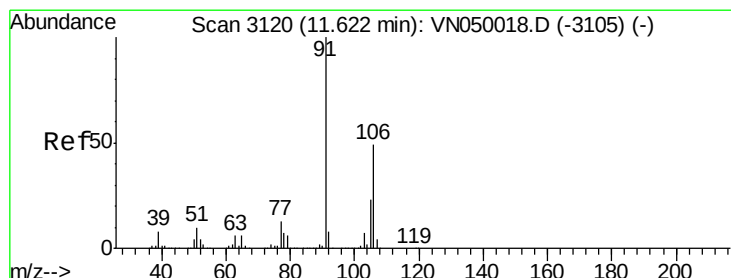
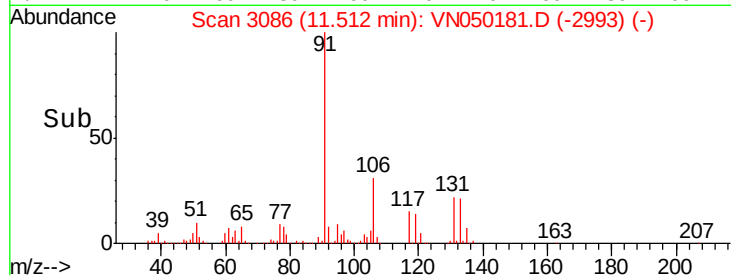
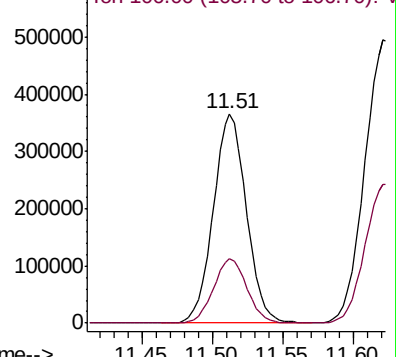
Ion Ratio Lower Upper

91 100

106 30.6 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050181.D (-3070) (-)



#68

m/p-Xylenes

Concen: 39.36 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050181.D

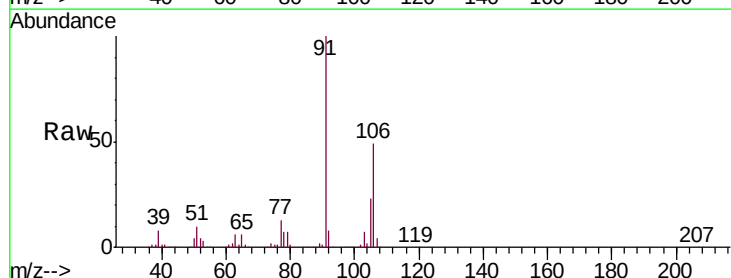
Acq: 30 Jul 2018 12:40

Tgt Ion: 106 Resp: 467246

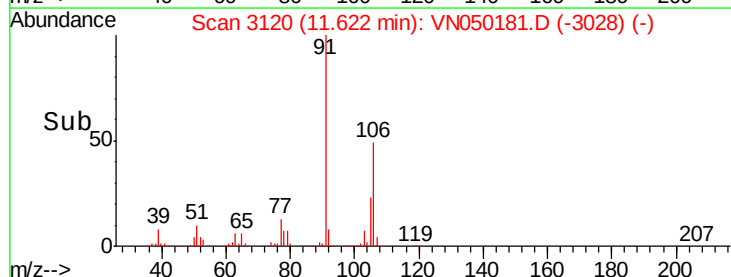
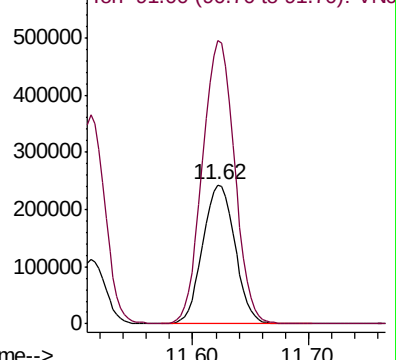
Ion Ratio Lower Upper

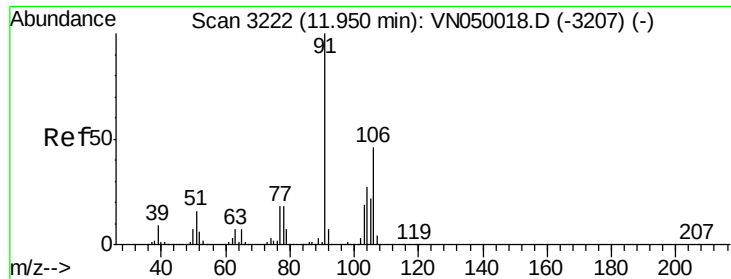
106 100

91 203.2 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VN050181.D (-3105) (-)

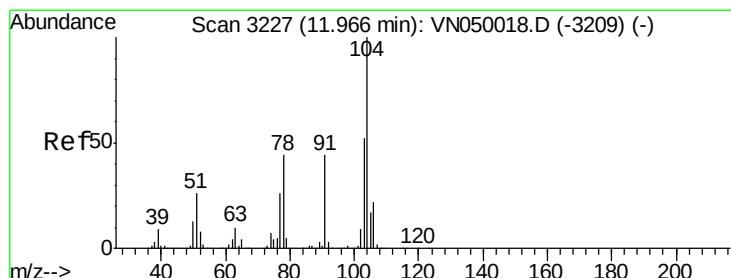
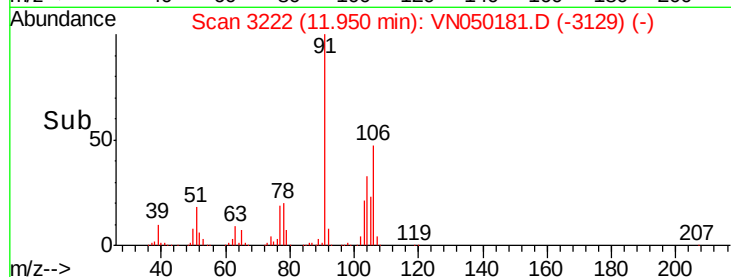
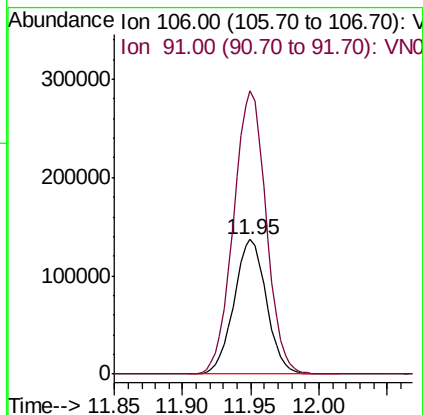
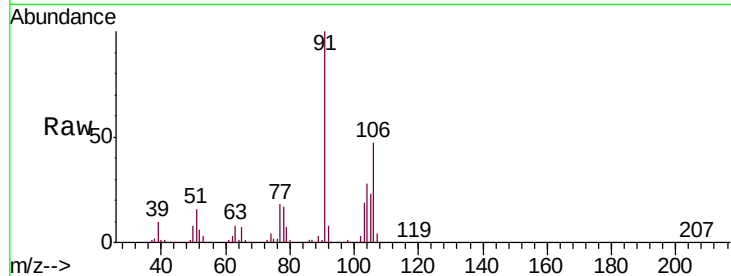




#69
o-Xylene
Concen: 19.99 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

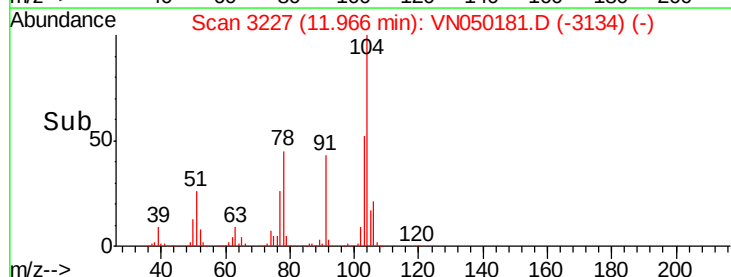
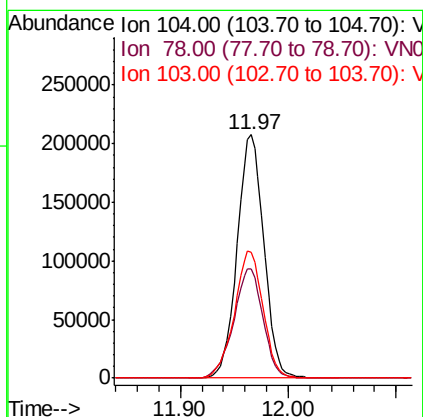
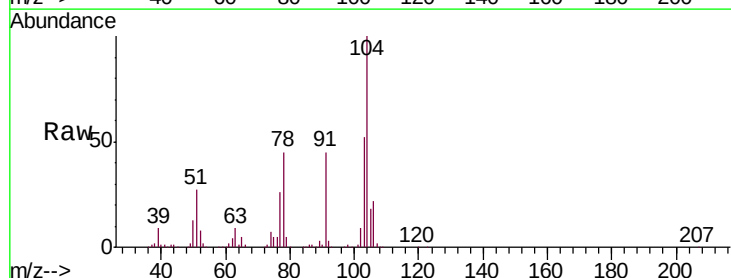
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

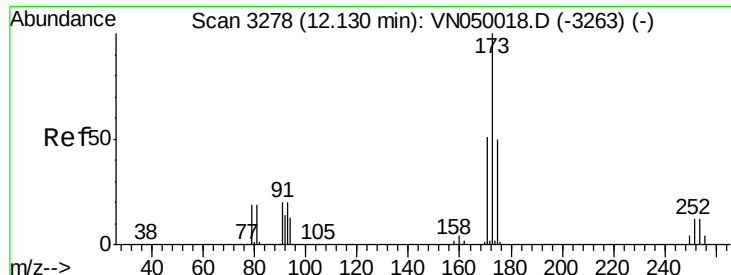
Tot Ion:106 Resp: 226189
Ion Ratio Lower Upper
106 100
91 212.3 107.7 323.1



#70
Styrene
Concen: 18.41 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion:104 Resp: 358577
Ion Ratio Lower Upper
104 100
78 49.3 39.3 58.9
103 56.0 45.0 67.6





#71

Bromoform

Concen: 18.10 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampled :

VN0730WBSD01

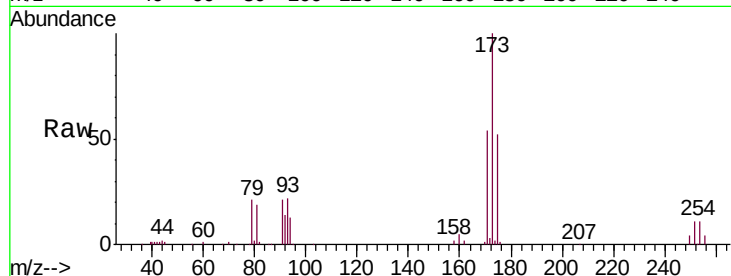
Tot Ion:173 Resp: 98843

Ion Ratio Lower Upper

173 100

175 50.2 24.1 72.2

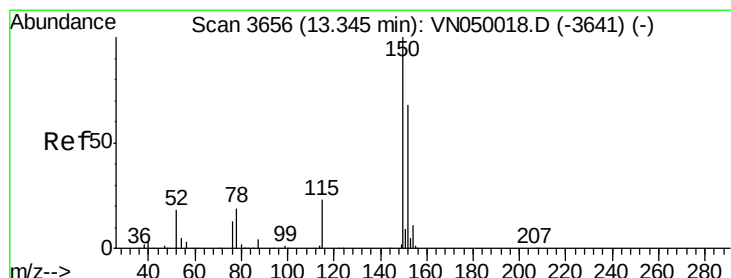
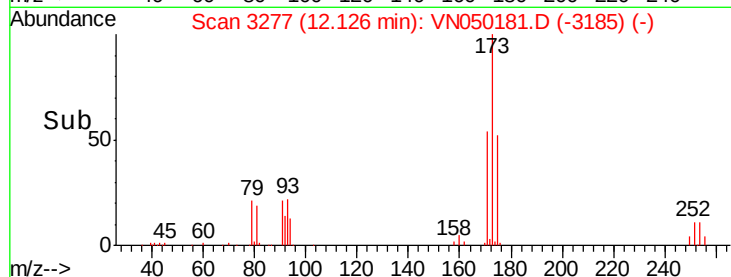
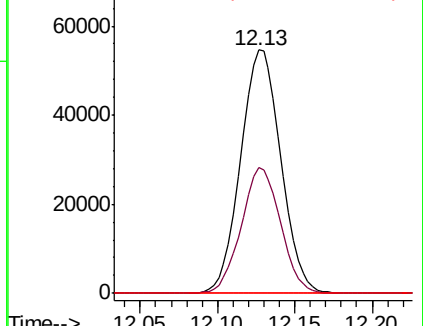
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

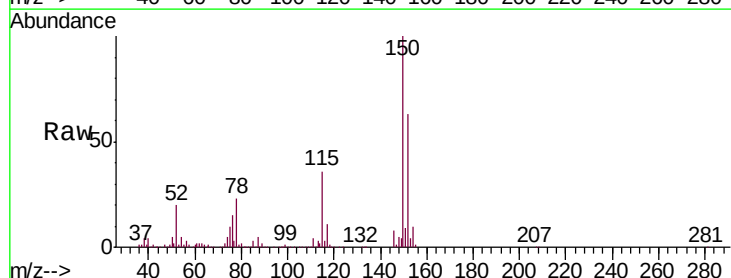
Tgt Ion:152 Resp: 366594

Ion Ratio Lower Upper

152 100

115 56.7 27.8 83.3

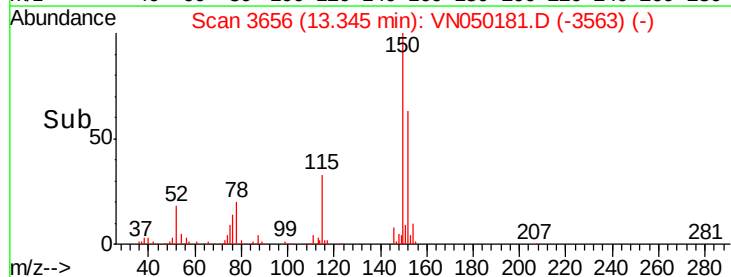
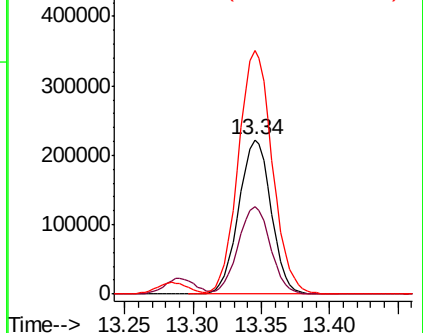
150 165.8 0.0 348.6

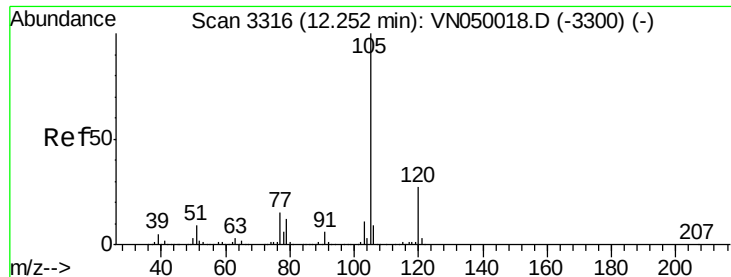


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.50 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

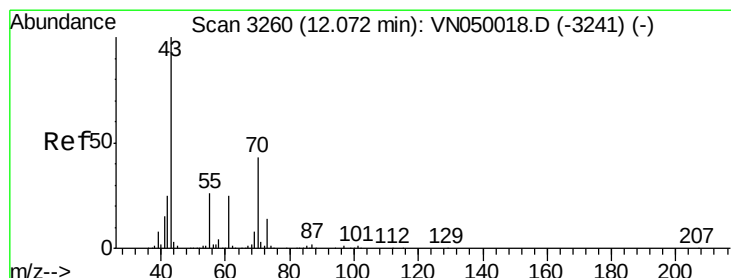
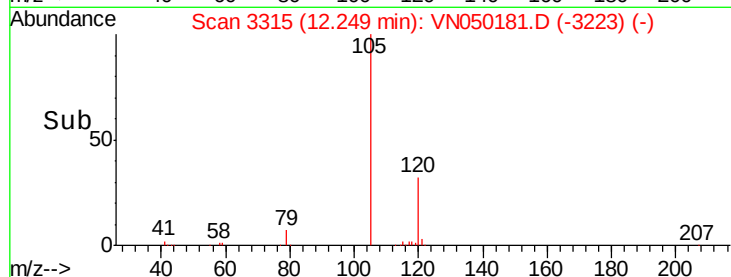
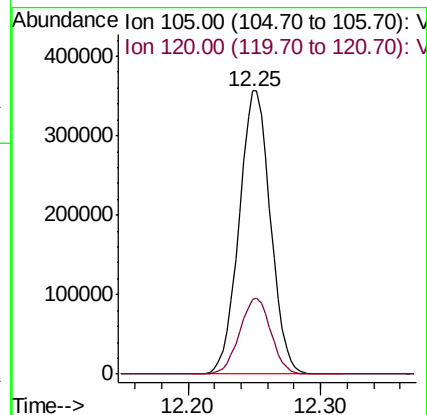
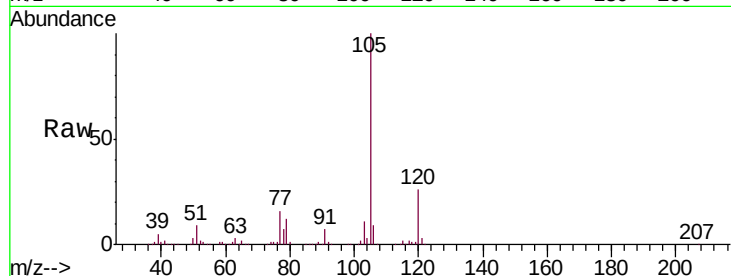
VN0730WBSD01

Tot Ion:105 Resp: 582936

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



#74

N-ethyl acetate

Concen: 17.99 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Tgt Ion: 43 Resp: 156340

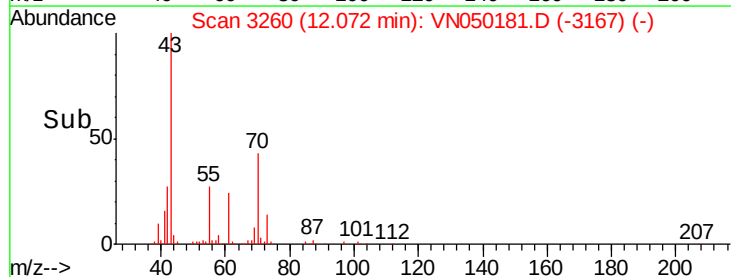
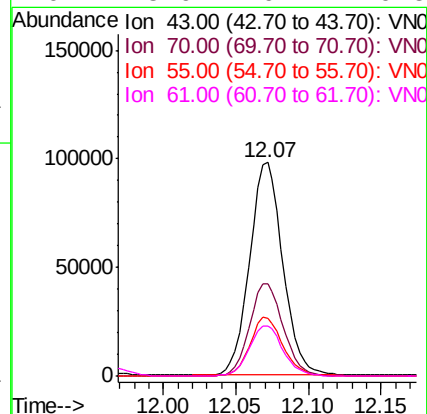
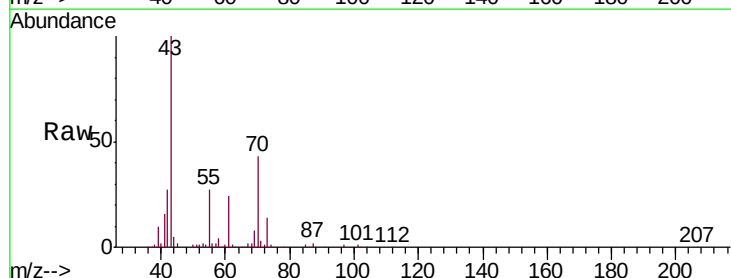
Ion Ratio Lower Upper

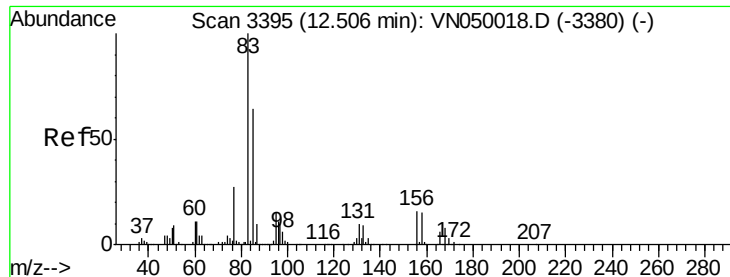
43 100

70 43.9 34.4 51.6

55 27.4 20.8 31.2

61 23.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.89 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

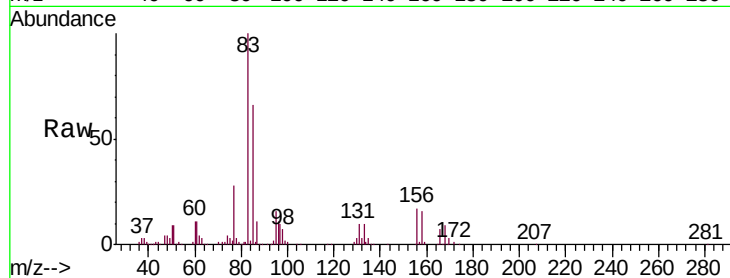
Tot Ion: 83 Resp: 166446

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

85 64.6 32.3 96.8



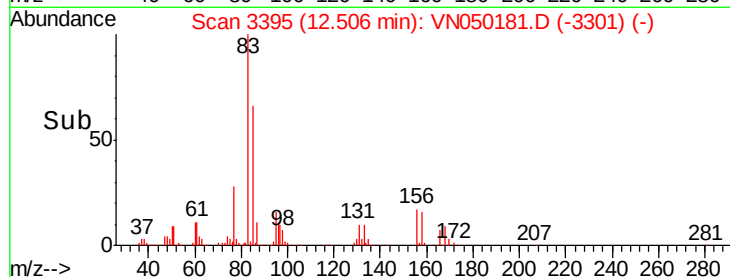
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

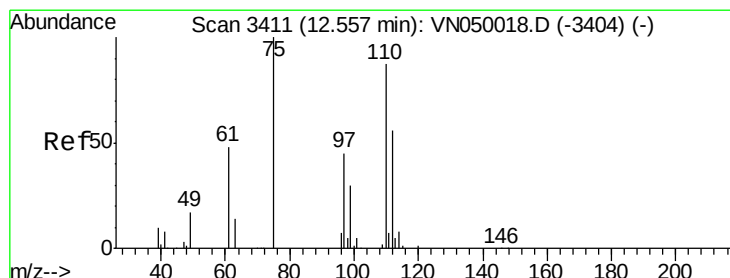
Ion 84.90 (84.60 to 85.60): VN0

12.51

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 28.47 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050181.D

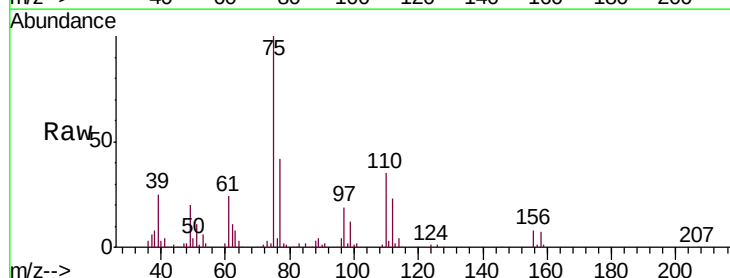
Acq: 30 Jul 2018 12:40

Tgt Ion: 75 Resp: 193995

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

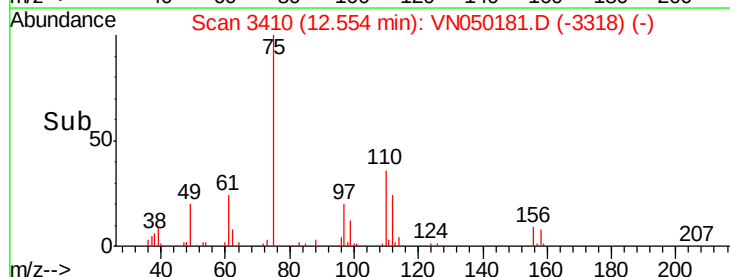


Abundance Ion 74.90 (74.60 to 75.60): VN0

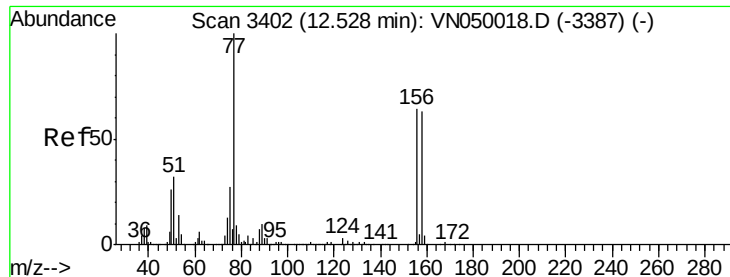
Ion 77.00 (76.70 to 77.70): VN0

12.55

Time-->



Time-->



#77

Bromobenzene

Concen: 20.15 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

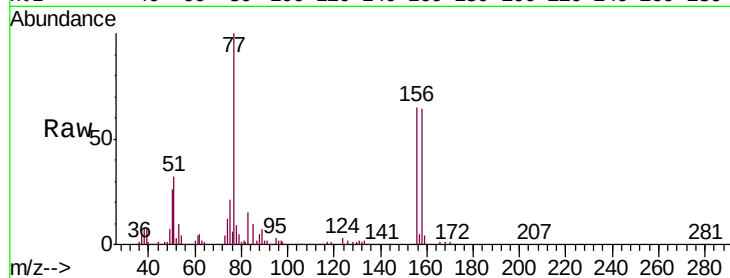
Tot Ion:156 Resp: 158799

Ion Ratio Lower Upper

156 100

77 181.2 91.7 275.1

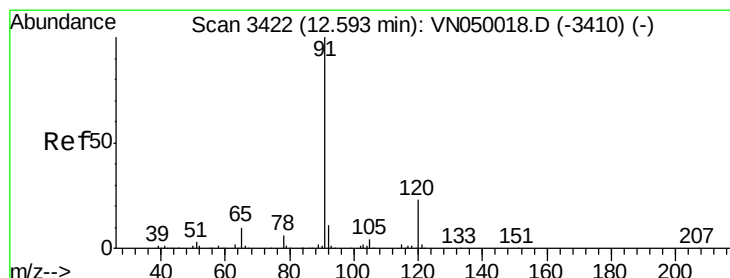
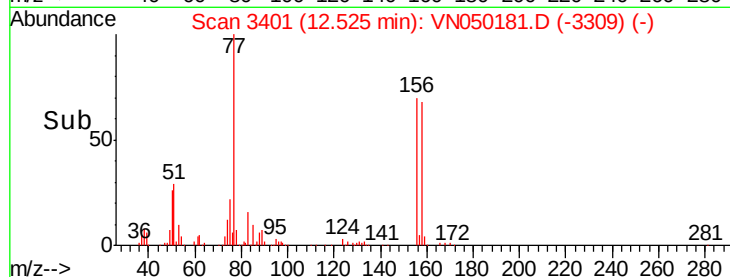
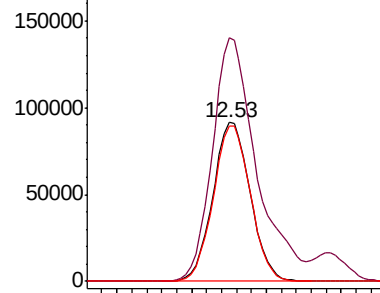
158 97.2 48.9 146.6



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: 20.73 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050181.D

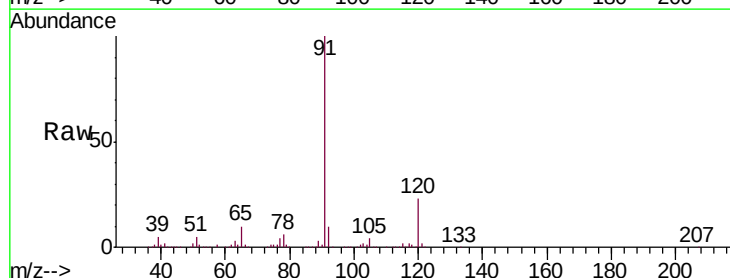
Acq: 30 Jul 2018 12:40

Tgt Ion: 91 Resp: 658830

Ion Ratio Lower Upper

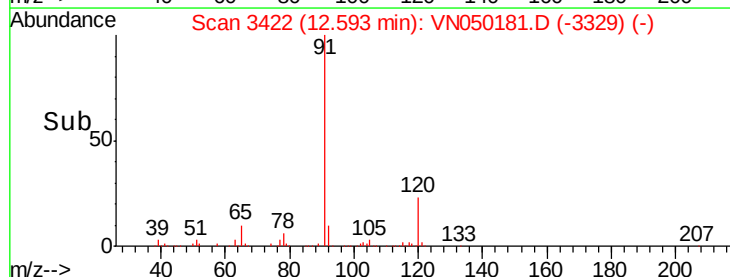
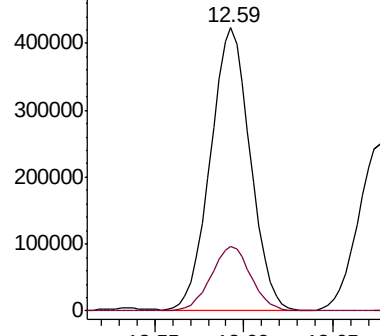
91 100

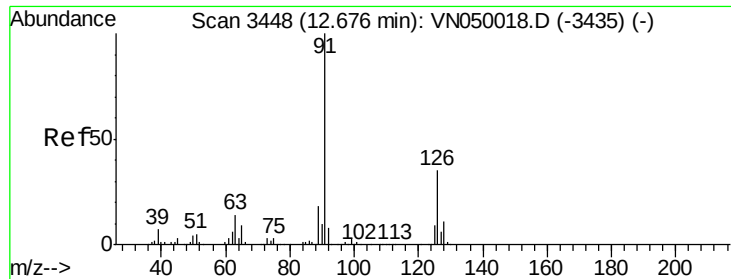
120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.85 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

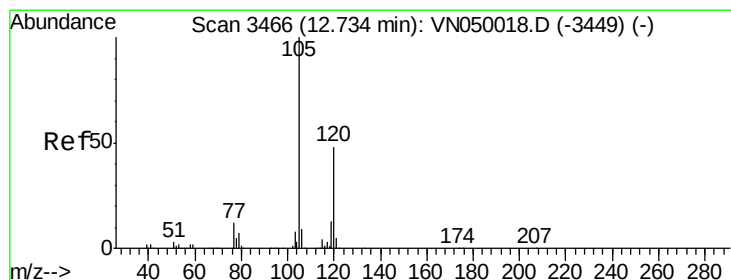
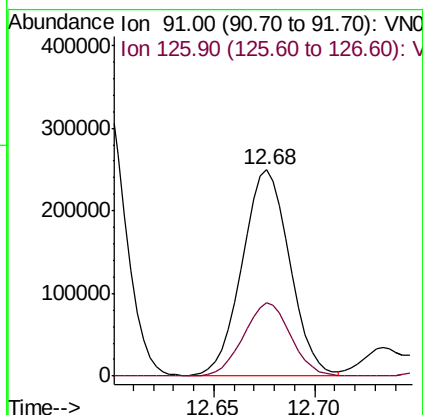
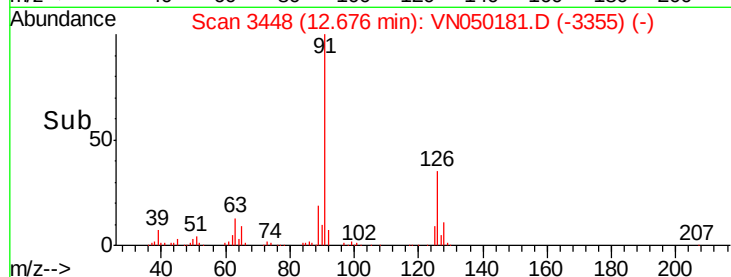
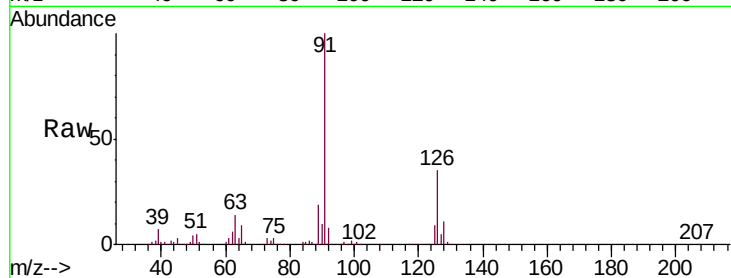
VN0730WBSD01

Tot Ion: 91 Resp: 410736

Ion Ratio Lower Upper

91 100

126 35.5 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.76 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050181.D

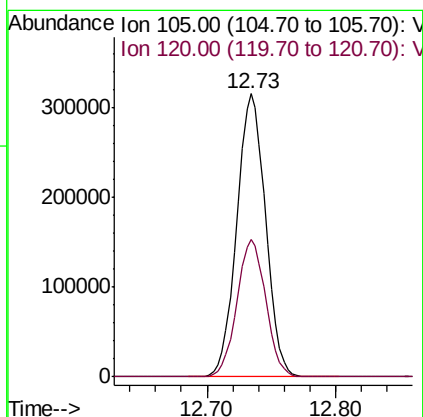
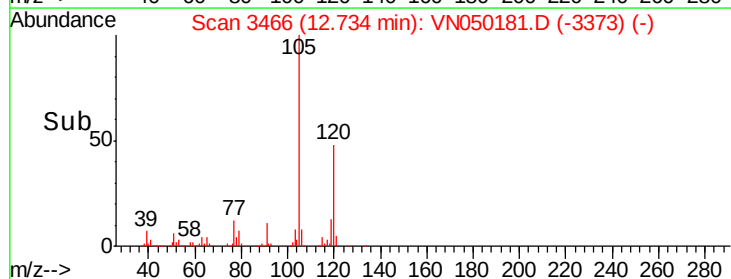
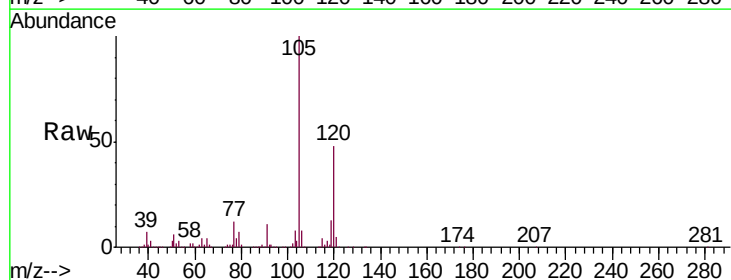
Acq: 30 Jul 2018 12:40

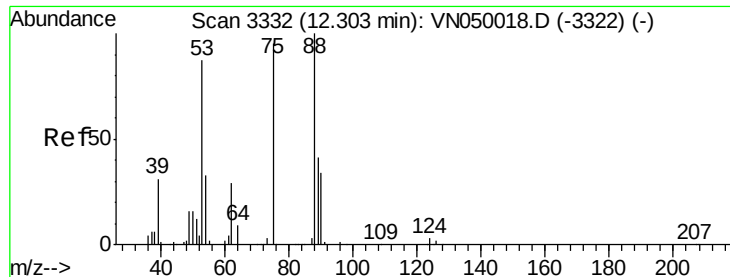
Tgt Ion: 105 Resp: 486594

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.2





#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: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

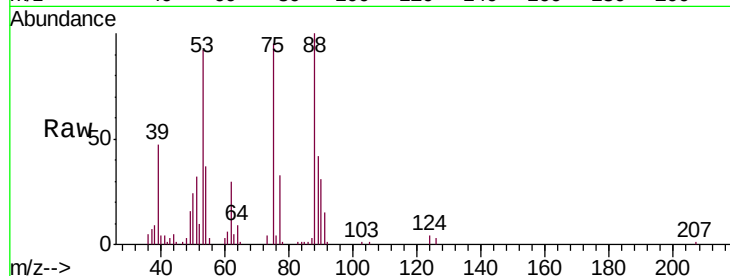
Tot Ion: 75 Resp: 39368

Ion Ratio Lower Upper

75 100

53 97.4 73.5 110.3

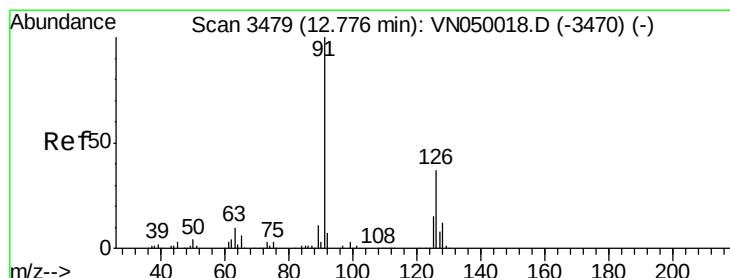
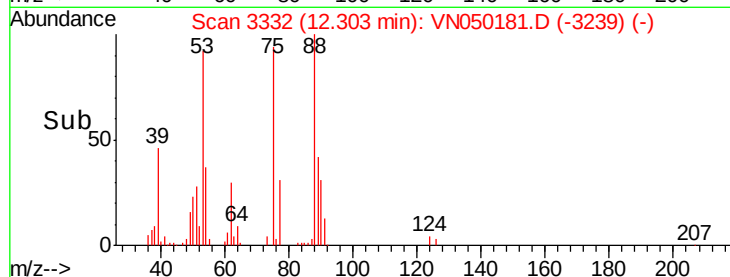
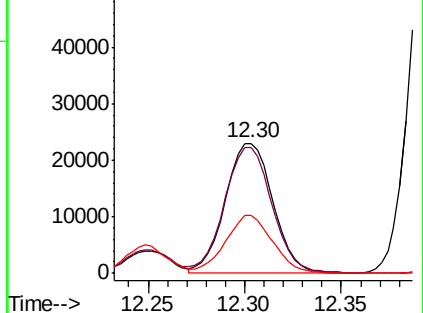
89 44.5 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.52 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050181.D

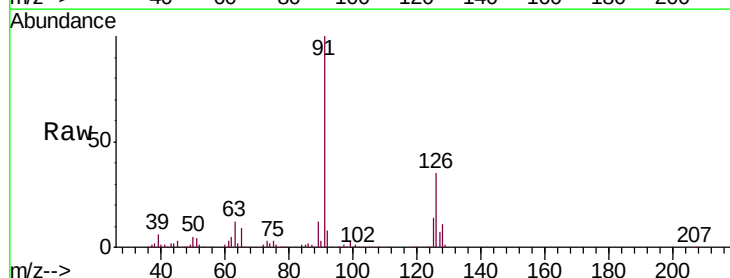
Acq: 30 Jul 2018 12:40

Tgt Ion: 91 Resp: 400222

Ion Ratio Lower Upper

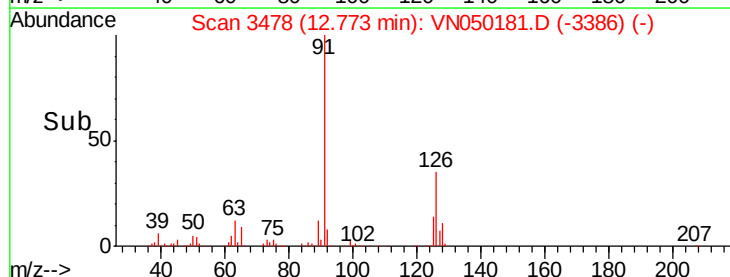
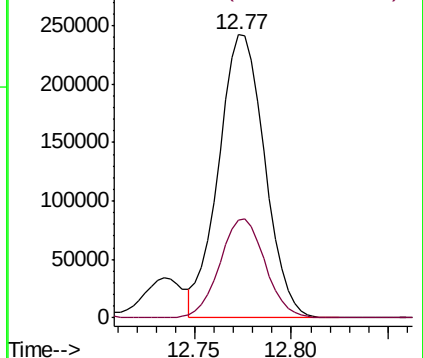
91 100

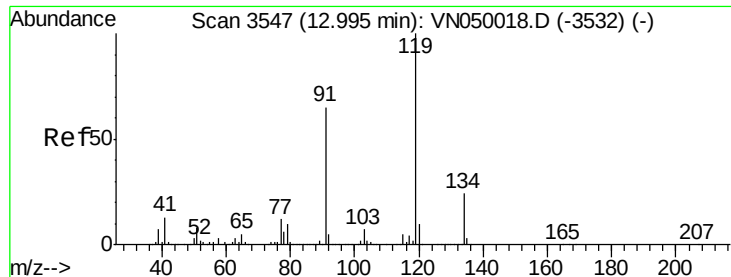
126 34.5 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

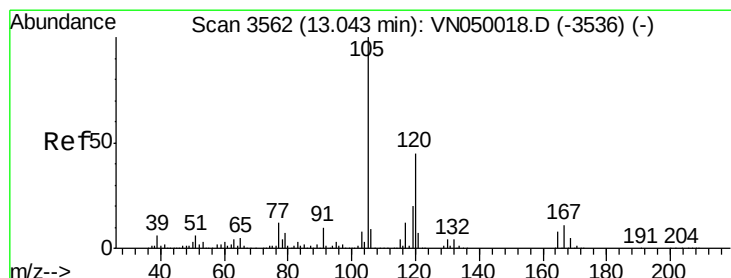
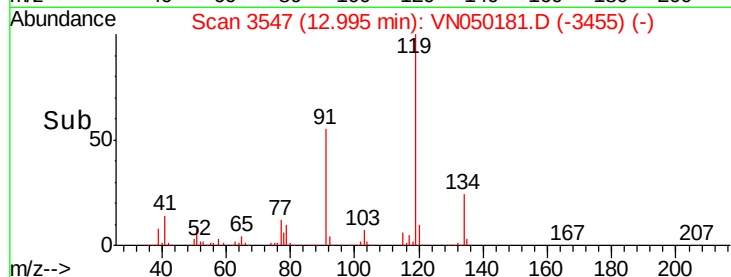
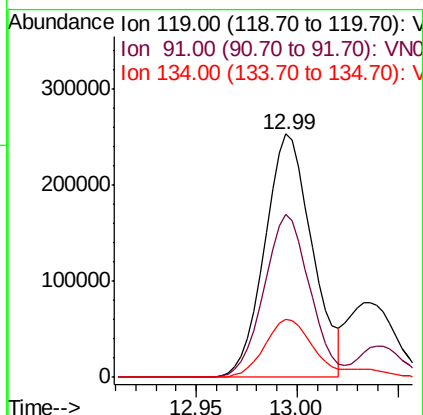
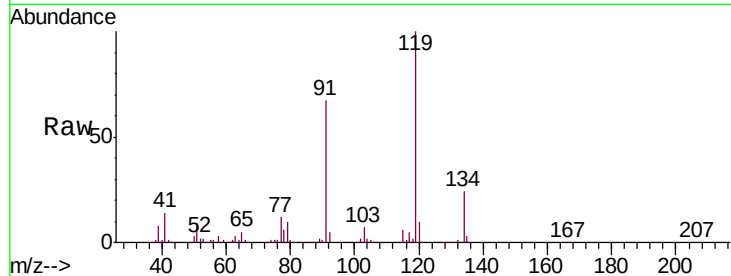




#83
 tert-Butylbenzene
 Concen: 21.15 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

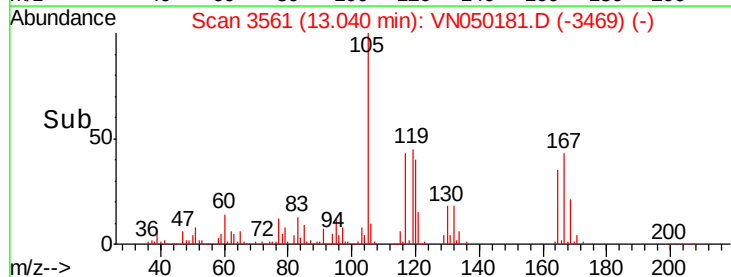
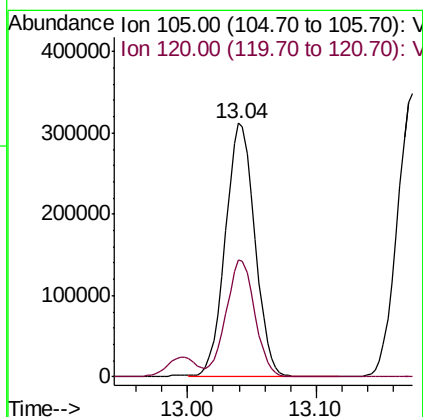
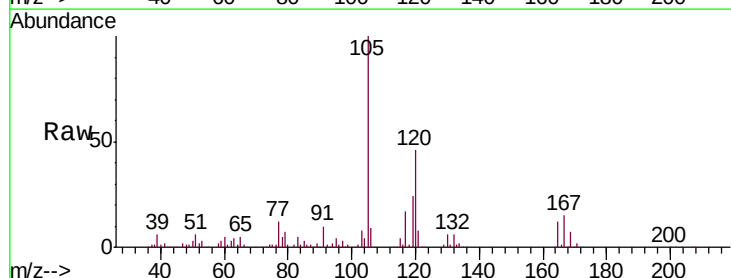
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

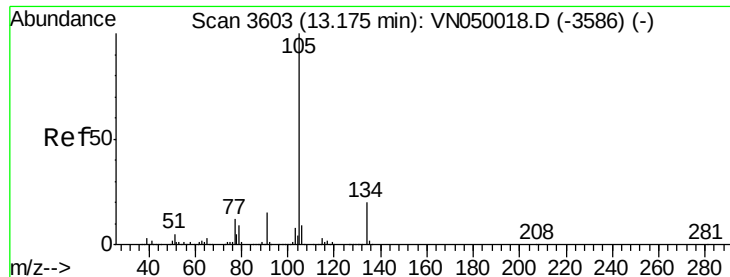
Tot Ion:119 Resp: 412715
 Ion Ratio Lower Upper
 119 100
 91 64.8 32.1 96.3
 134 24.1 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.86 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion:105 Resp: 492803
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.9 68.7





#85

sec-Butylbenzene

Concen: 20.72 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

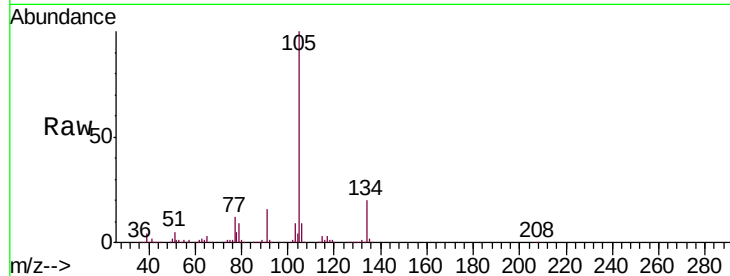
VN0730WBSD01

Tot Ion:105 Resp: 540291

Ion Ratio Lower Upper

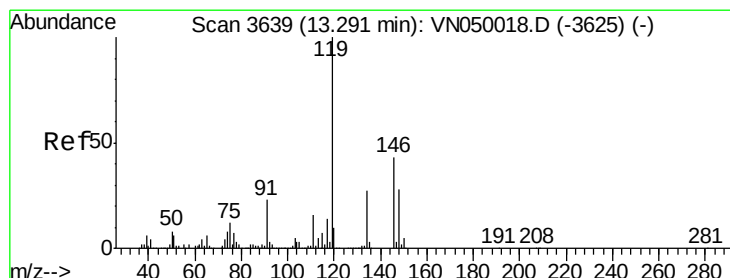
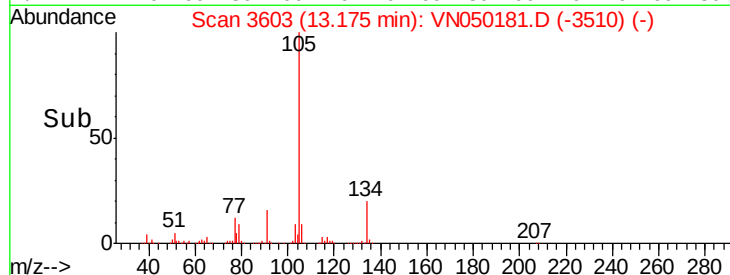
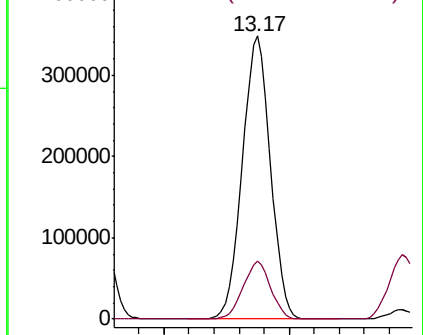
105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.93 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

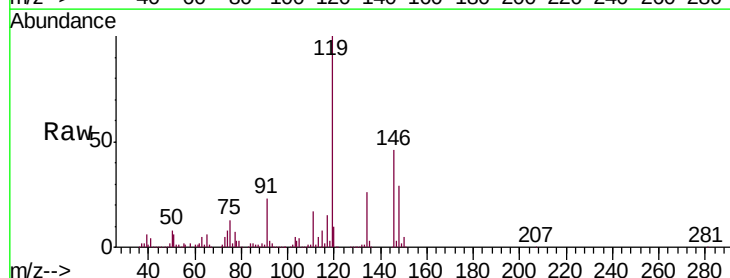
Tgt Ion:119 Resp: 459914

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

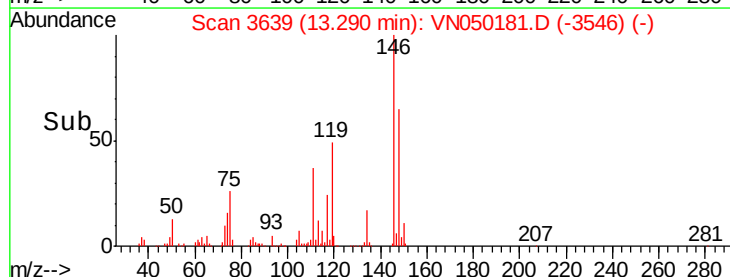
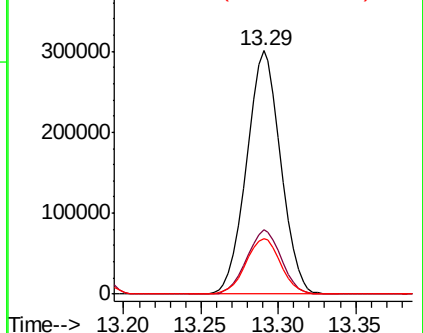
91 23.4 11.4 34.2

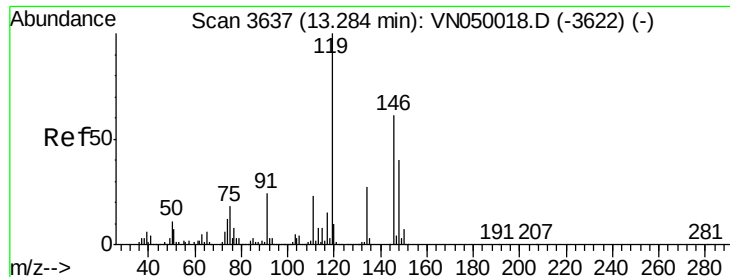


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

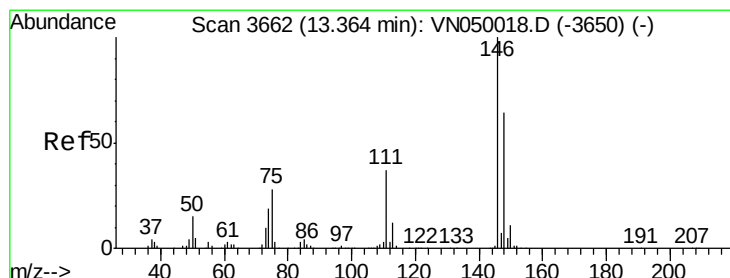
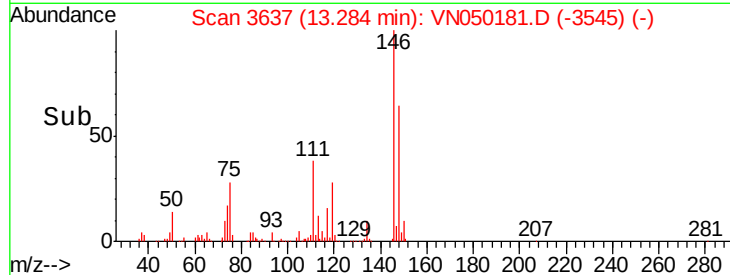
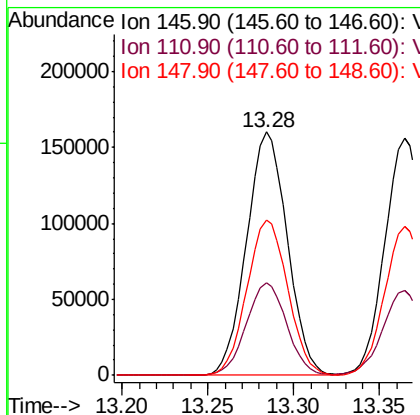
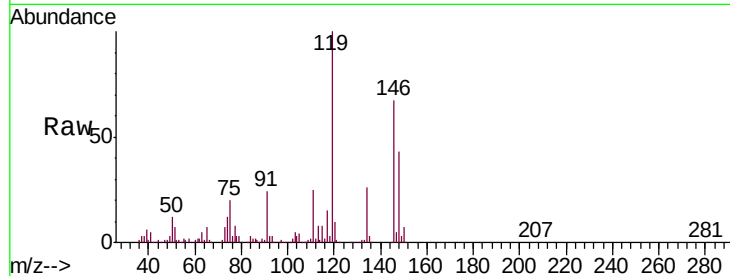




#87
 1,3-Dichlorobenzene
 Concen: 19.69 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

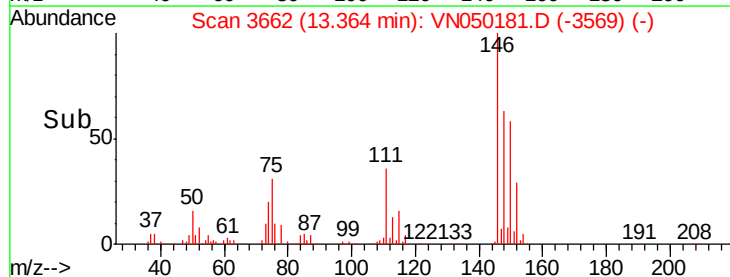
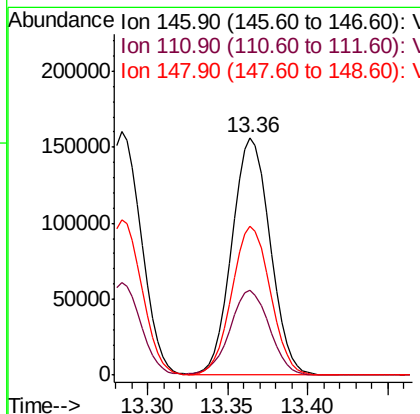
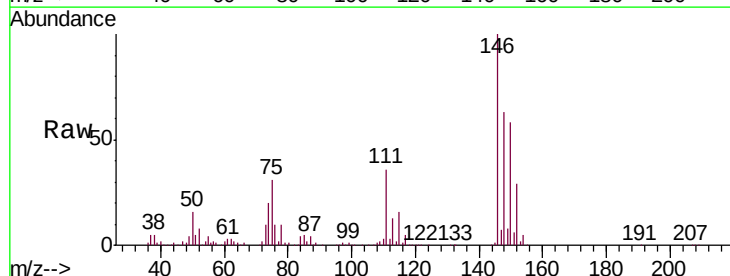
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

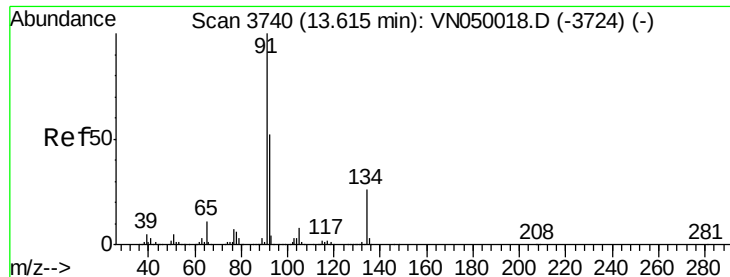
Tot Ion:146 Resp: 263081
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.4
 148 64.0 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.54 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion:146 Resp: 254427
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.3 54.9
 148 63.3 31.9 95.9

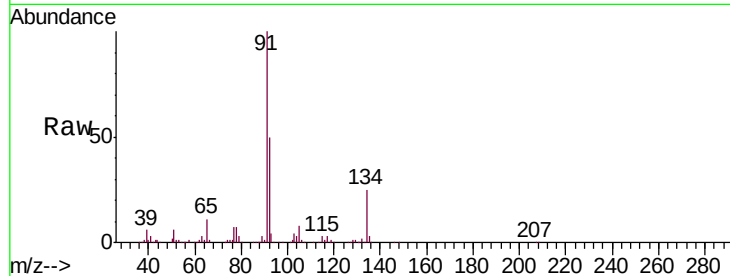




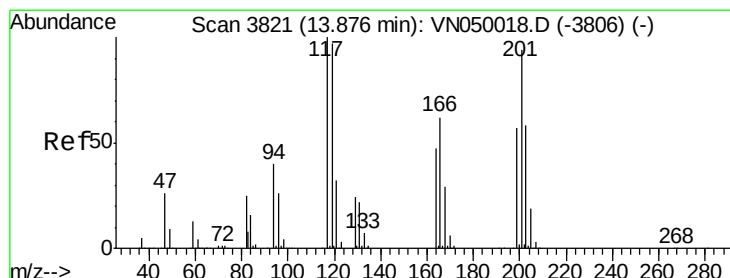
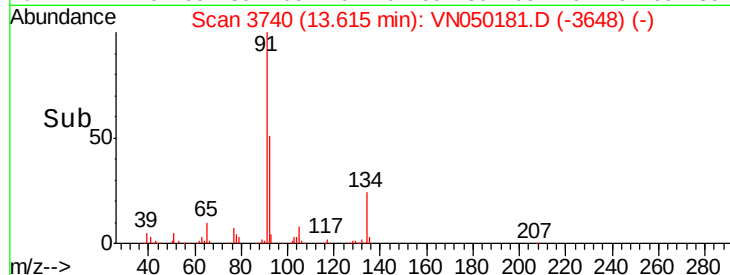
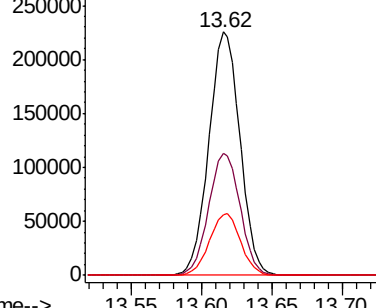
#89
n-Butylbenzene
Concen: 19.31 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion: 91 Resp: 348951
Ion Ratio Lower Upper
91 100
92 50.7 25.8 77.4
134 25.3 12.8 38.4

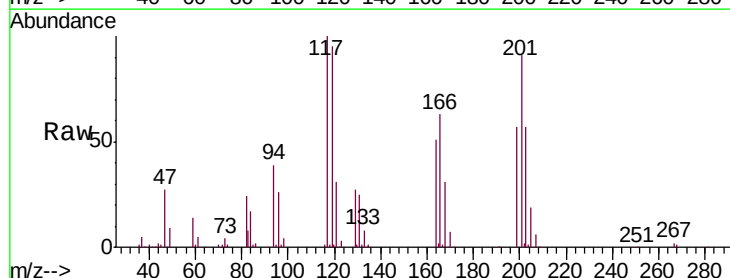


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

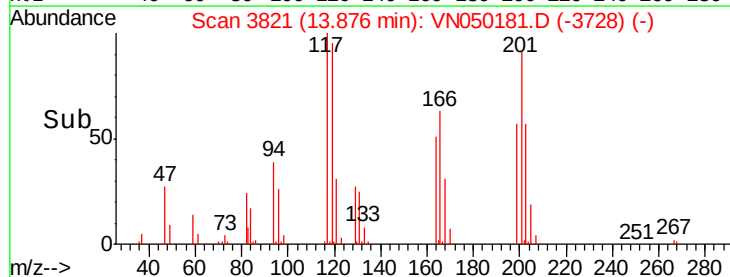
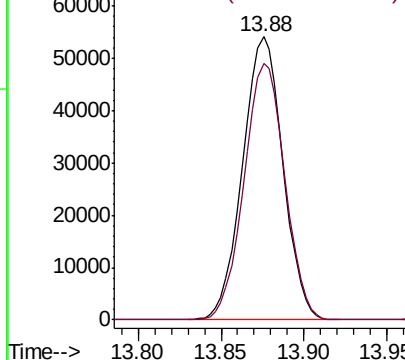


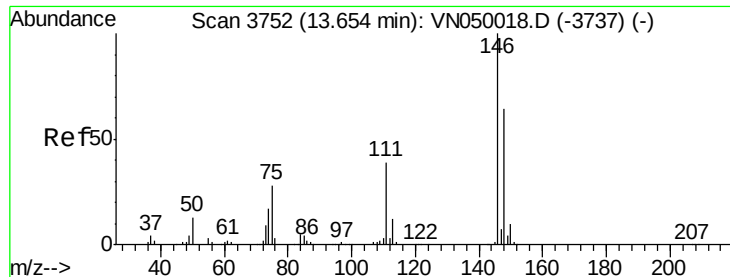
#90
Hexachloroethane
Concen: 18.75 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050181.D
Acq: 30 Jul 2018 12:40

Tgt Ion: 117 Resp: 91459
Ion Ratio Lower Upper
117 100
201 91.4 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

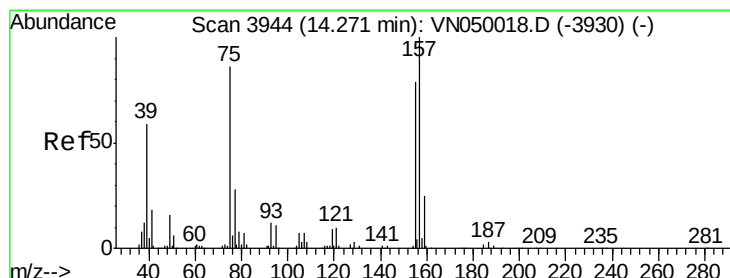
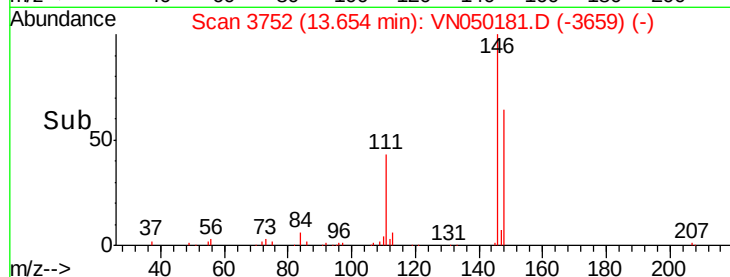
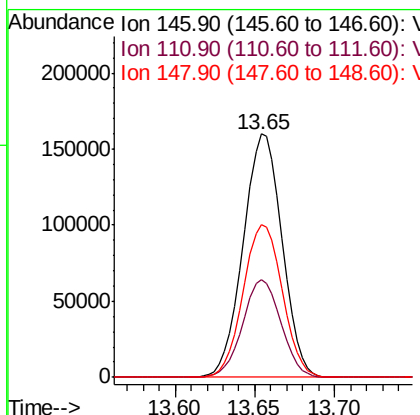
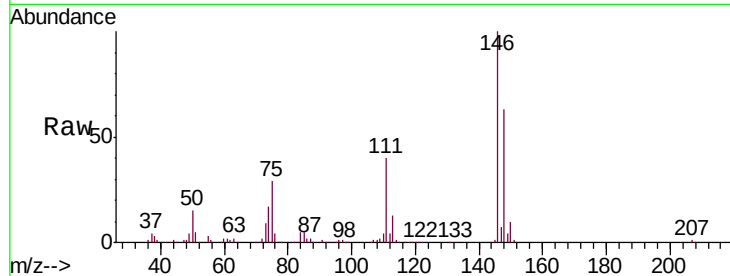




#91
 1,2-Dichlorobenzene
 Concen: 19.89 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

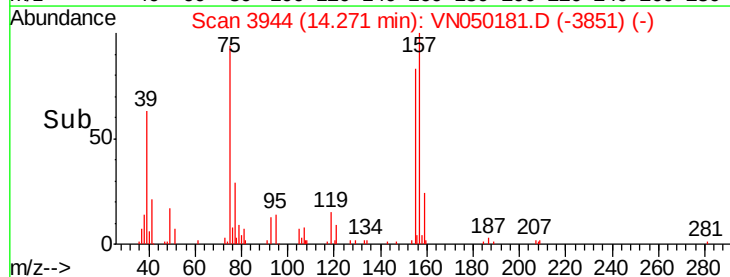
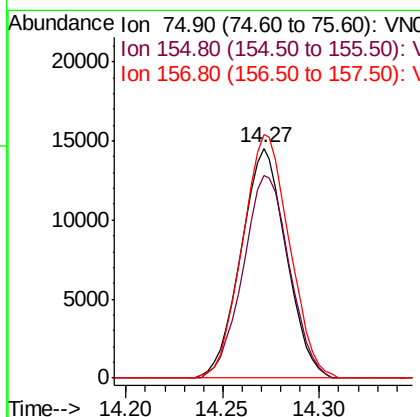
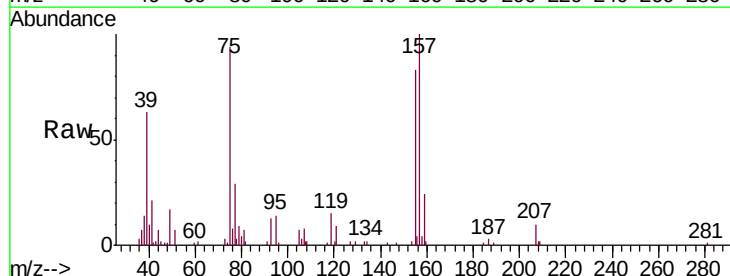
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

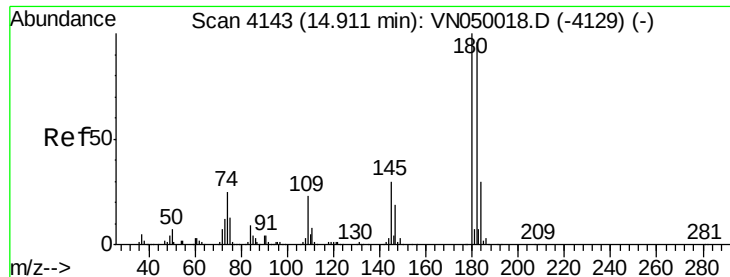
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	63.3	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.21 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	44.8	134.4
157	110.2	57.2	171.6

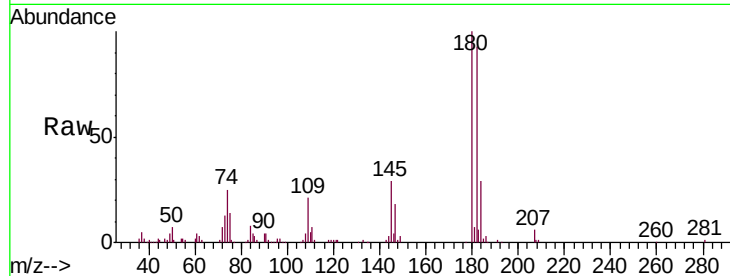




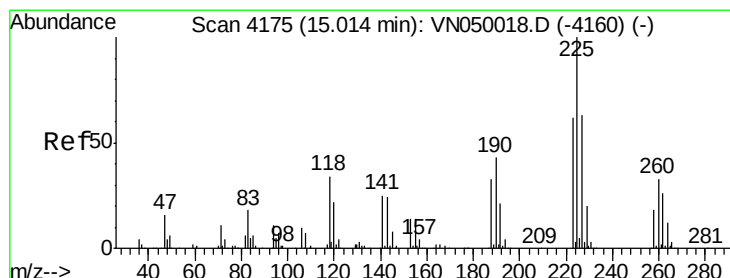
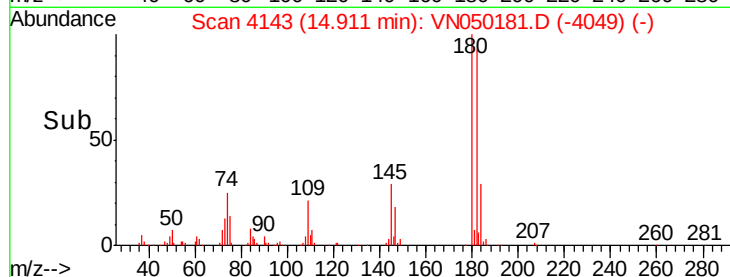
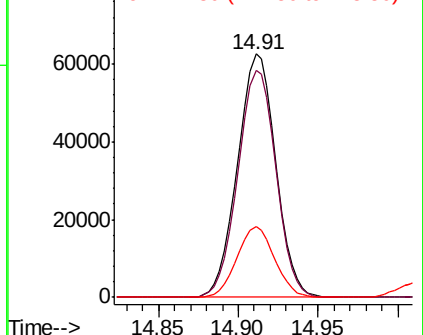
#93
 1,2,4-Trichlorobenzene
 Concen: 16.52 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Tot Ion:180 Resp: 101414
 Ion Ratio Lower Upper
 180 100
 182 93.0 46.7 140.1
 145 28.7 13.8 41.4

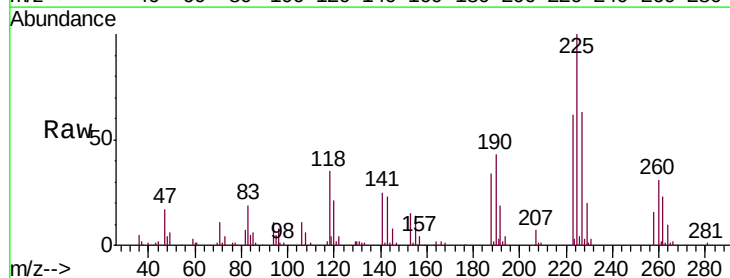


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

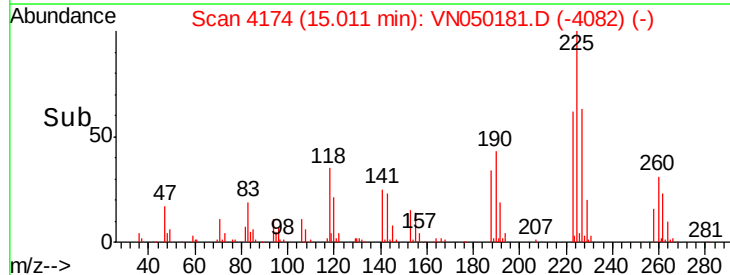
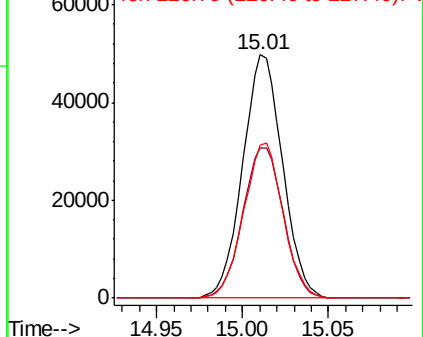


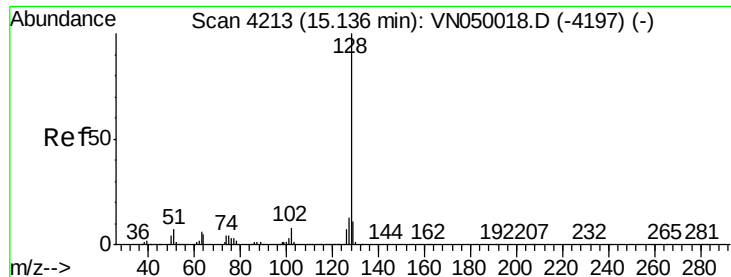
#94
 Hexachlorobutadiene
 Concen: 19.58 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050181.D
 Acq: 30 Jul 2018 12:40

Tgt Ion:225 Resp: 80022
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.2
 227 62.8 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: 15.46 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

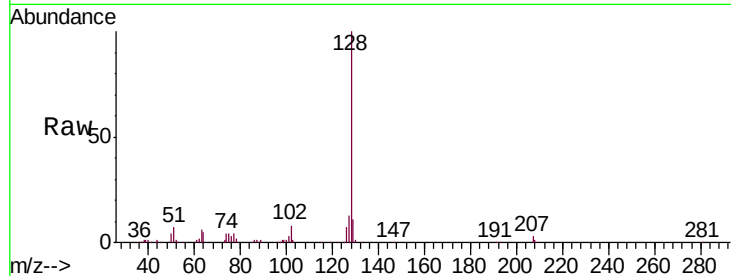
Tot Ion:128 Resp: 202772

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

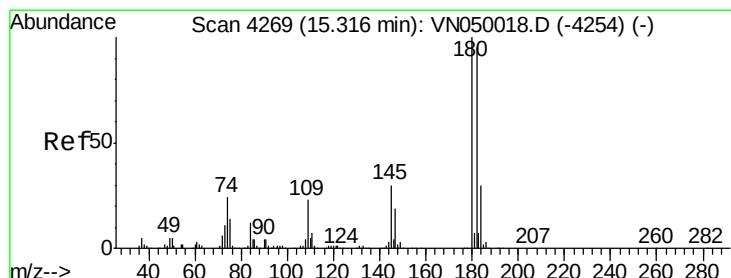
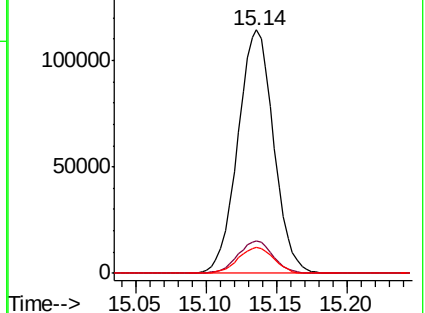
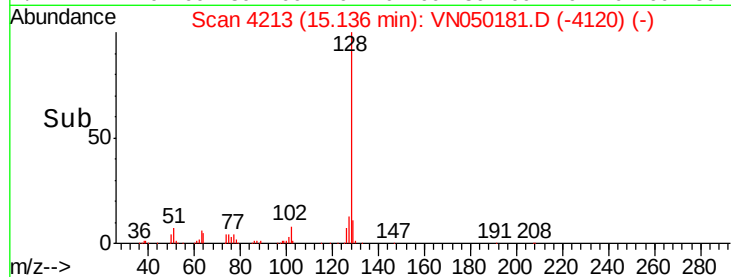
129 10.6 8.8 13.2



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: 16.95 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050181.D

Acq: 30 Jul 2018 12:40

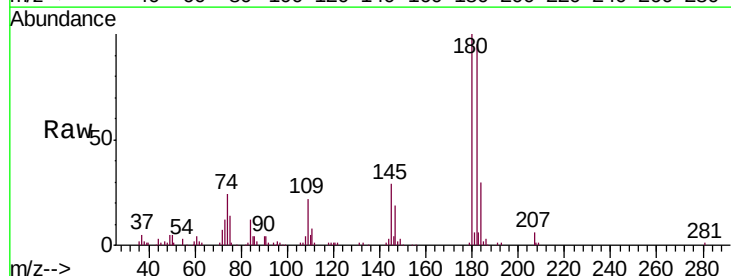
Tgt Ion:180 Resp: 106419

Ion Ratio Lower Upper

180 100

182 96.0 48.1 144.4

145 28.9 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

