

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049770.D
 Acq On : 12 Jul 2018 11:39
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 02:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1204289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1747001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1577252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	811320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	263578	18.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.62%	
35) Dibromofluoromethane	7.59	113	245631	18.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.30%	
50) Toluene-d8	10.09	98	818207	18.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.30%	
62) 4-Bromofluorobenzene	12.40	95	288656	17.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	230639	21.361	ug/l	98
3) Chloromethane	2.06	50	297418	20.881	ug/l	99
4) Vinyl Chloride	2.18	62	328516	21.133	ug/l	99
5) Bromomethane	2.57	94	206149	21.066	ug/l	92
6) Chloroethane	2.70	64	214878	20.060	ug/l	97
7) Trichlorofluoromethane	3.01	101	468373	20.511	ug/l	98
8) Diethyl Ether	3.41	74	168047	20.537	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	294499	19.870	ug/l	100
10) Methyl Iodide	3.95	142	376908	20.008	ug/l	99
11) Tert butyl alcohol	4.81	59	103316	110.189	ug/l	98
12) 1,1-Dichloroethene	3.73	96	256522	19.698	ug/l	99
13) Acrolein	3.61	56	92524	112.349	ug/l	98
14) Allyl chloride	4.32	41	411437	19.359	ug/l	98
15) Acrylonitrile	4.99	53	493436	105.085	ug/l	99
16) Acetone	3.82	43	384193	110.267	ug/l	98
17) Carbon Disulfide	4.05	76	709120	21.006	ug/l	100
18) Methyl Acetate	4.33	43	262558	22.027	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	746638	20.668	ug/l	99
20) Methylene Chloride	4.55	84	309362	20.993	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	278999	19.600	ug/l	97
22) Diisopropyl ether	5.96	45	904064	20.709	ug/l	98
23) Vinyl Acetate	5.90	43	3019665	103.215	ug/l	100
24) 1,1-Dichloroethane	5.85	63	543087	19.802	ug/l	99
25) 2-Butanone	6.84	43	575485	105.414	ug/l	100
26) 2,2-Dichloropropane	6.83	77	454466	19.965	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	320047	19.659	ug/l	98
28) Bromochloromethane	7.19	49	260720	20.901	ug/l	99
29) Tetrahydrofuran	7.22	42	368880	107.603	ug/l	99
30) Chloroform	7.37	83	559478	19.798	ug/l	98
31) Cyclohexane	7.65	56	448338	20.388	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	474828	19.784	ug/l	99
36) 1,1-Dichloropropene	7.79	75	405141	20.124	ug/l	99
37) Ethyl Acetate	6.93	43	262869	22.059	ug/l	98
38) Carbon Tetrachloride	7.77	117	421243	20.016	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	416637	19.634	ug/l	97
40) Benzene	8.04	78	1225916	20.356	ug/l	100
41) Methacrylonitrile	7.17	41	125169	18.569	ug/l	93
42) 1,2-Dichloroethane	8.12	62	399121	20.260	ug/l	99
43) Isopropyl Acetate	8.17	43	452659	21.133	ug/l	96
44) Trichloroethene	8.84	130	323216	19.931	ug/l	98
45) 1,2-Dichloropropane	9.12	63	325418	20.106	ug/l	97
46) Dibromomethane	9.21	93	197772	20.574	ug/l	97
47) Bromodichloromethane	9.40	83	424803	20.068	ug/l	99
48) Methyl methacrylate	9.20	41	213617	19.947	ug/l	97
49) 1,4-Dioxane	9.20	88	59820	426.308	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1289400	110.872	ug/l	100
52) Toluene	10.16	92	748356	20.762	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	413015	20.285	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	478931	20.651	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	295326	21.266	ug/l	99
56) Ethyl methacrylate	10.43	69	345784	21.253	ug/l	98
57) 1,3-Dichloropropane	10.71	76	466559	20.318	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	851118	109.078	ug/l	99
59) 2-Hexanone	10.75	43	852441	110.259	ug/l	98
60) Dibromochloromethane	10.90	129	325807	20.634	ug/l	100
61) 1,2-Dibromoethane	11.01	107	269418	20.540	ug/l	99
64) Tetrachloroethene	10.63	164	291393	20.347	ug/l	98
65) Chlorobenzene	11.44	112	820433	19.967	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	316046	20.444	ug/l	100
67) Ethyl Benzene	11.51	91	1370797	20.373	ug/l	100
68) m/p-Xylenes	11.62	106	1060807	42.004	ug/l	100
69) o-Xylene	11.95	106	507090	20.785	ug/l	98
70) Styrene	11.97	104	828570	21.380	ug/l	100
71) Bromoform	12.13	173	222516	21.303	ug/l #	97
73) Isopropylbenzene	12.25	105	1378239	20.441	ug/l	100
74) N-amyl acetate	12.07	43	368969	21.035	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	362277	22.224	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	424282	29.437	ug/l #	100
77) Bromobenzene	12.53	156	351398	19.645	ug/l	99
78) n-propylbenzene	12.59	91	1560092	20.522	ug/l	100
79) 2-Chlorotoluene	12.68	91	955616	20.540	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1123891	20.975	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	89460	20.044	ug/l	97
82) 4-Chlorotoluene	12.78	91	962404	20.856	ug/l	100
83) tert-Butylbenzene	12.99	119	972836	20.292	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1148840	21.379	ug/l	100
85) sec-Butylbenzene	13.17	105	1325360	21.094	ug/l	100
86) p-Isopropyltoluene	13.29	119	1129278	21.239	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	627982	20.249	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	603797	20.027	ug/l	99
89) n-Butylbenzene	13.62	91	892559	20.335	ug/l	100
90) Hexachloroethane	13.88	117	218498	20.747	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	621282	20.527	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	52874	21.912	ug/l	98

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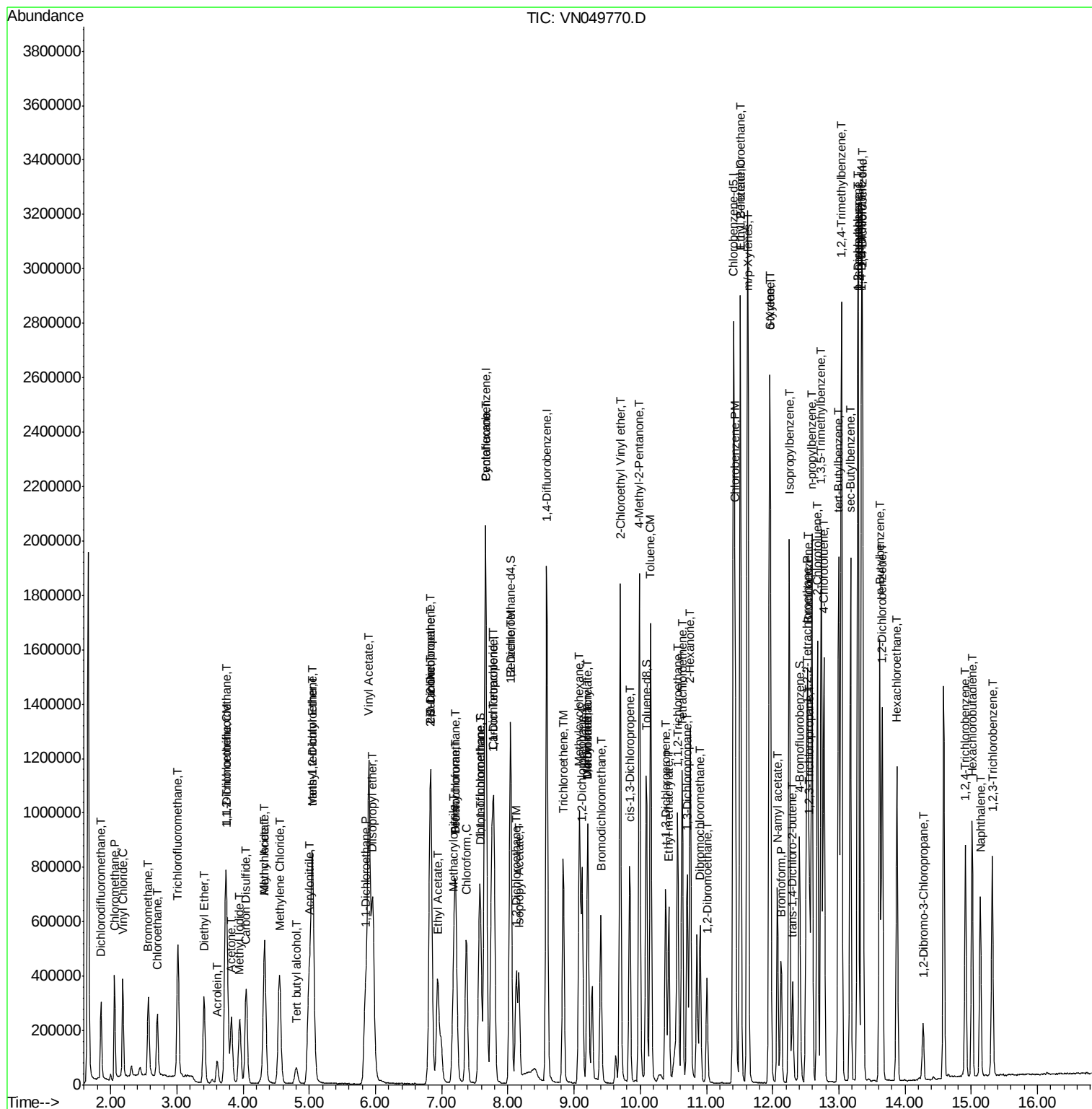
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	290654	19.360	ug/l	98
94) Hexachlorobutadiene	15.01	225	198256	20.776	ug/l	98
95) Naphthalene	15.14	128	578694	18.857	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	293264	19.979	ug/l	98

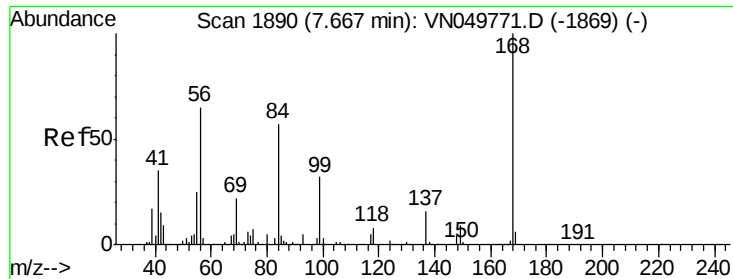
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

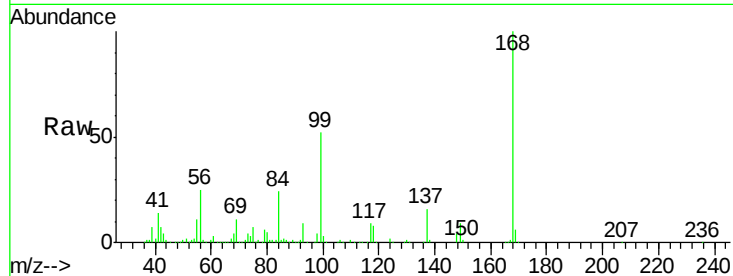
ClientSampleId :

Tot Ion:168 Resp: 1204289

Ion Ratio Lower Upper

168 100

99 51.3 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

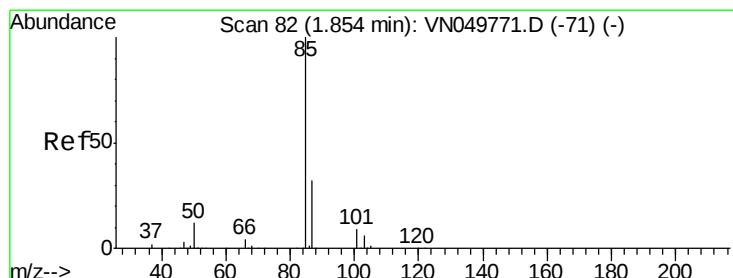
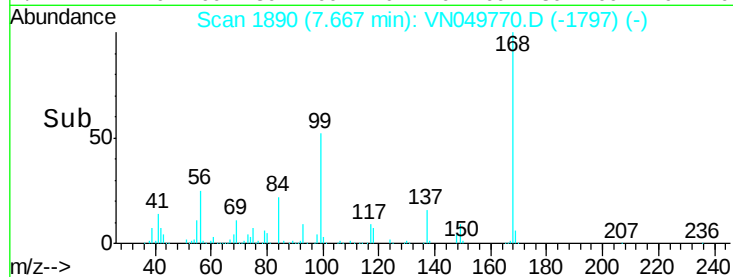
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.361 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049770.D

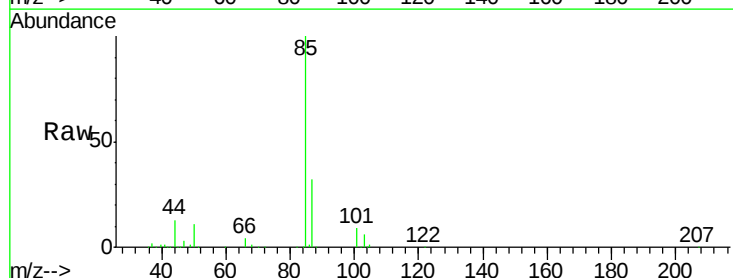
Acq: 12 Jul 2018 11:39

Tgt Ion: 85 Resp: 230639

Ion Ratio Lower Upper

85 100

87 31.6 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

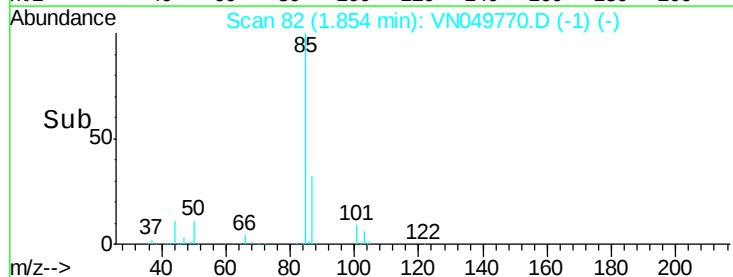
150000

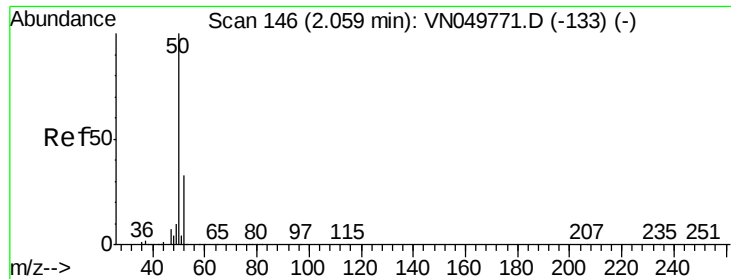
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.881 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

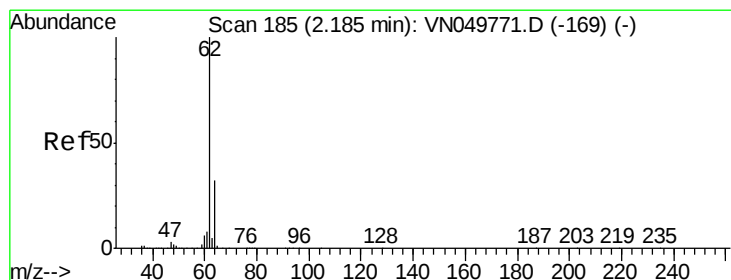
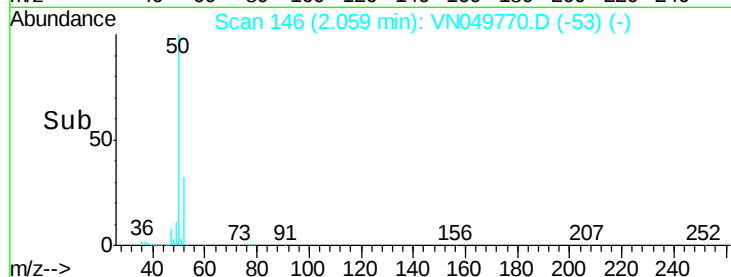
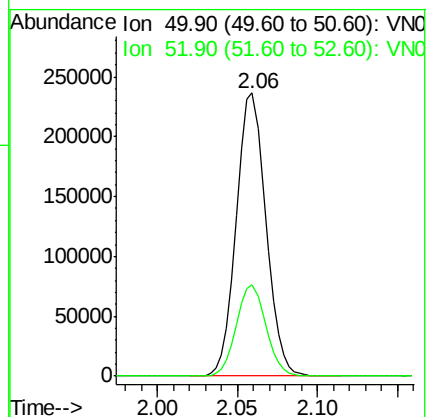
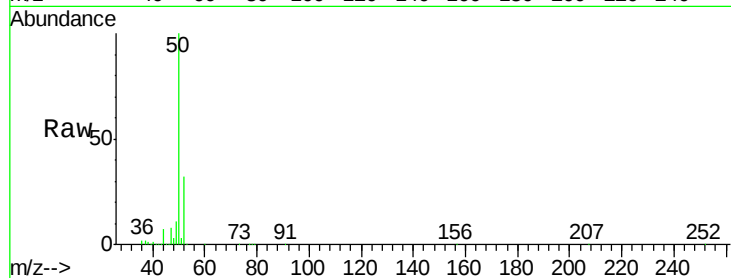
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 297418

Ion Ratio Lower Upper

50 100

52 32.1 26.1 39.1



#4

Vinyl Chloride

Concen: 21.133 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049770.D

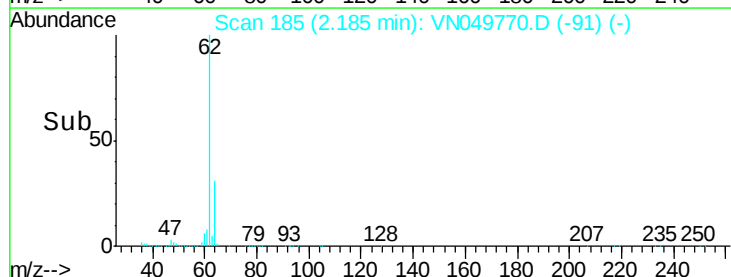
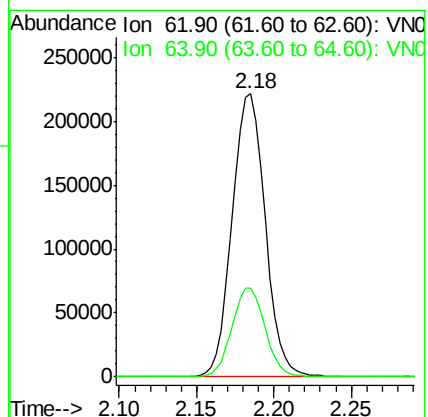
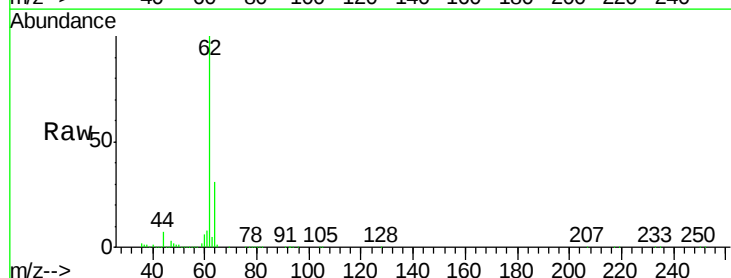
Acq: 12 Jul 2018 11:39

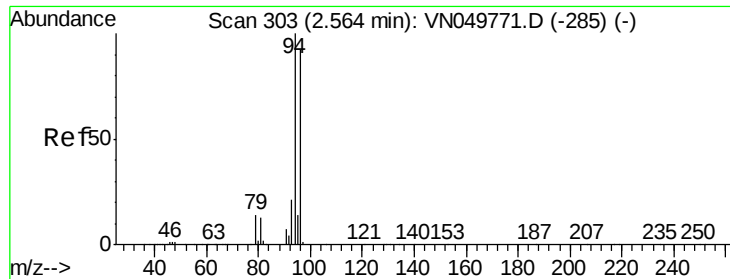
Tgt Ion: 62 Resp: 328516

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 21.066 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

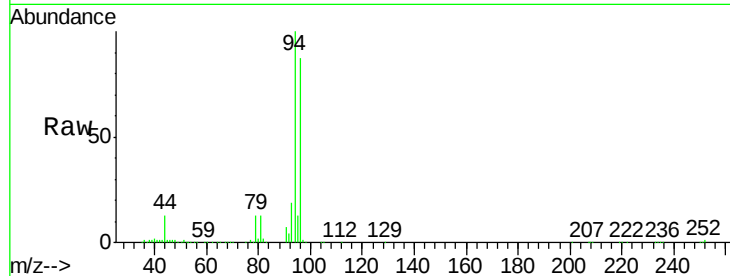
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 206149

Ion Ratio Lower Upper

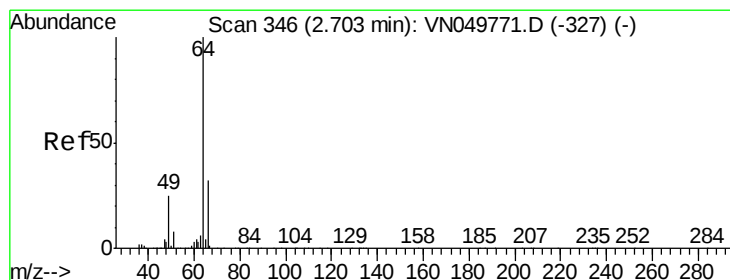
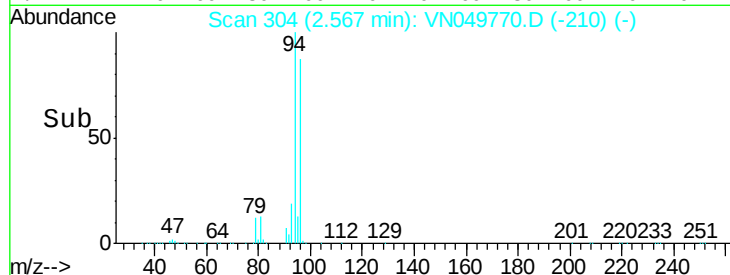
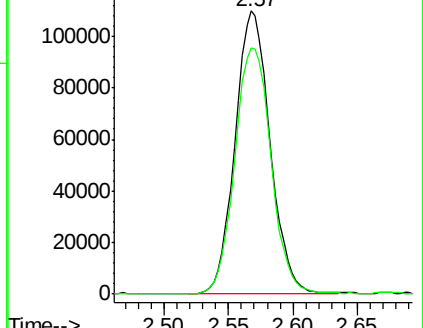
94 100

96 87.0 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN049770.D (-210) (-)

Ion 95.90 (95.60 to 96.60): VN049770.D (-210) (-)



#6

Chloroethane

Concen: 20.060 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN049770.D

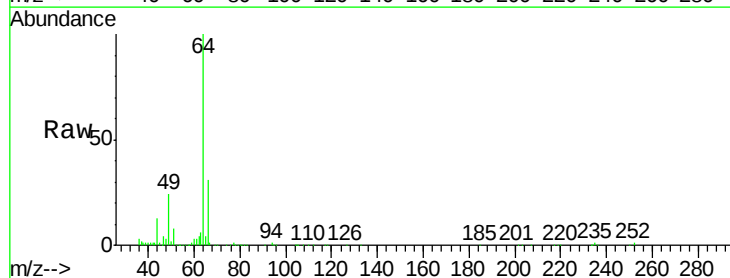
Acq: 12 Jul 2018 11:39

Tgt Ion: 64 Resp: 214878

Ion Ratio Lower Upper

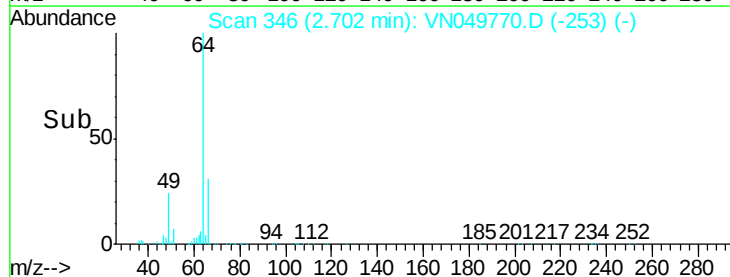
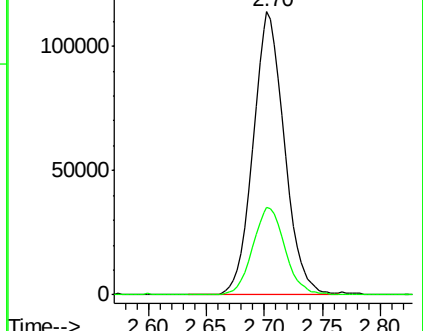
64 100

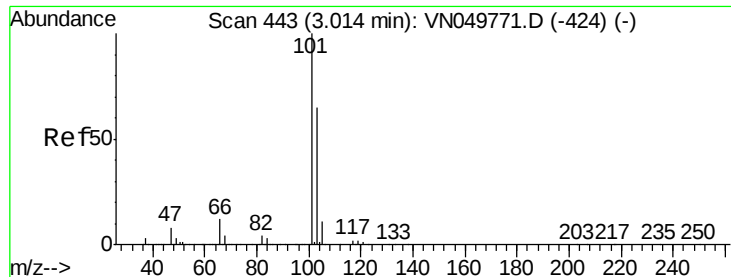
66 30.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049770.D (-253) (-)

Ion 65.90 (65.60 to 66.60): VN049770.D (-253) (-)



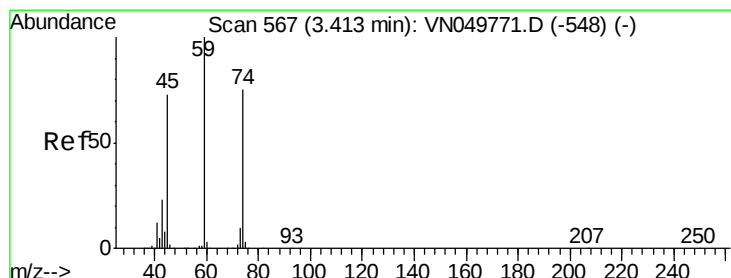
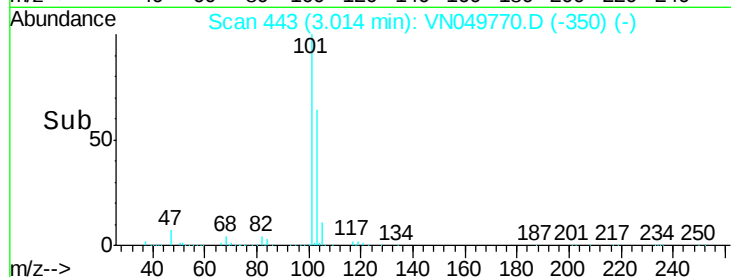
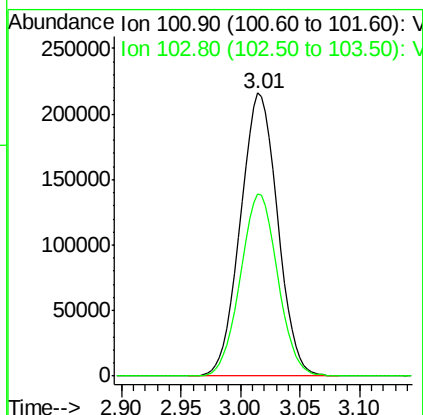
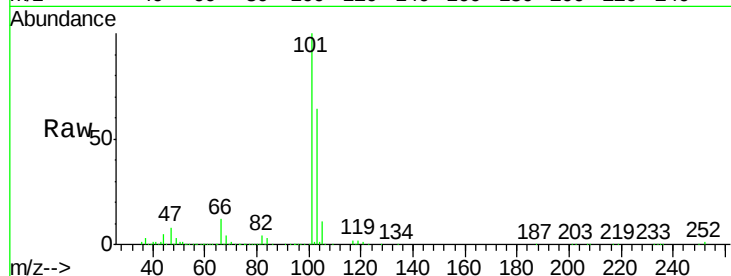


#7

Trichlorofluoromethane
Concen: 20.511 ug/l
RT: 3.01 min Scan# 443
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampled :

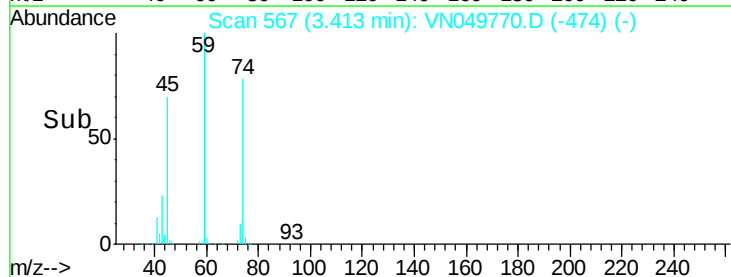
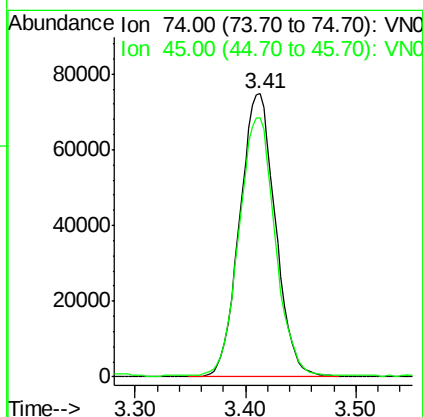
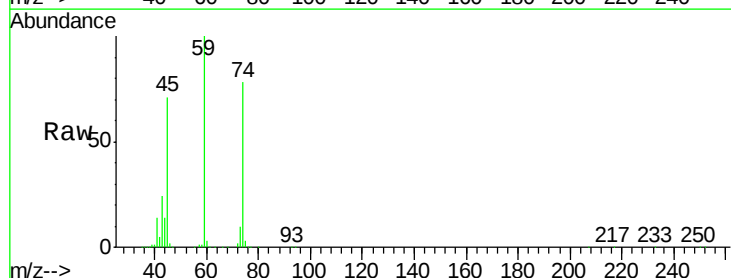
Tot Ion:101 Resp: 468373
Ion Ratio Lower Upper
101 100
103 64.3 52.8 79.2

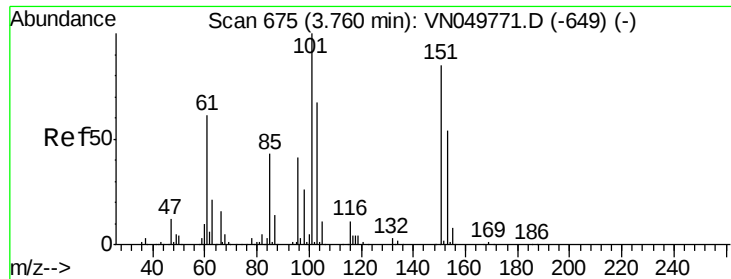


#8

Diethyl Ether
Concen: 20.537 ug/l
RT: 3.41 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion: 74 Resp: 168047
Ion Ratio Lower Upper
74 100
45 92.0 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.870 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

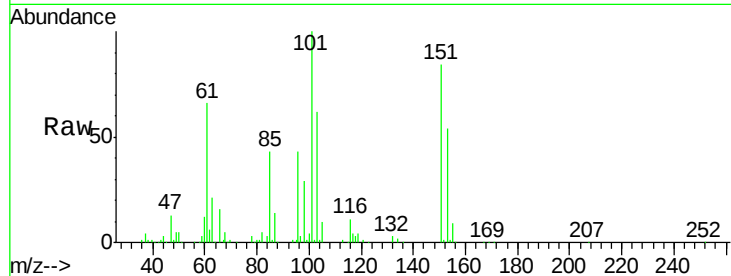
Tot Ion:101 Resp: 294499

Ion Ratio Lower Upper

101 100

85 43.2 34.4 51.6

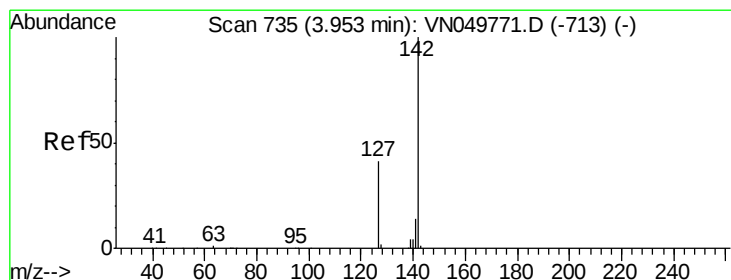
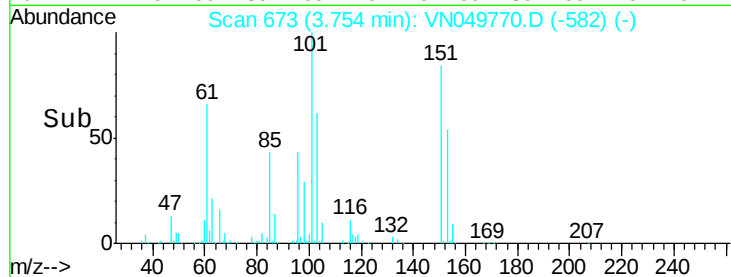
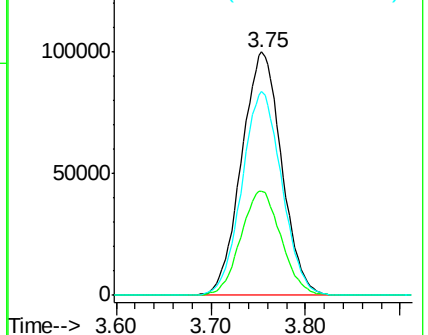
151 83.3 66.2 99.4



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: 20.008 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

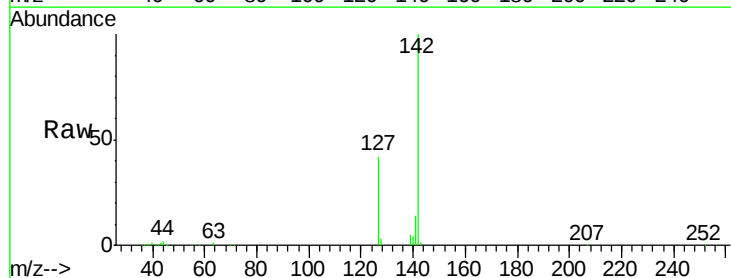
Tgt Ion:142 Resp: 376908

Ion Ratio Lower Upper

142 100

127 41.7 32.5 48.7

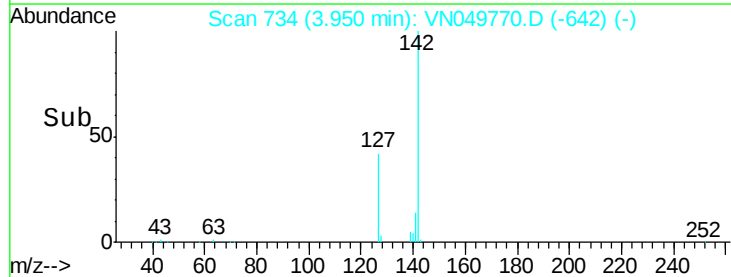
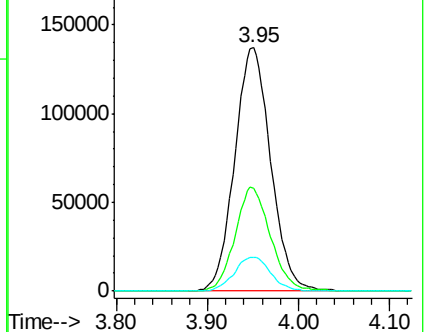
141 14.1 11.1 16.7

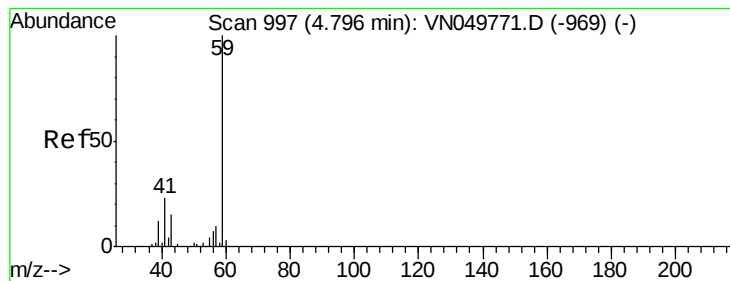


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 110.189 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

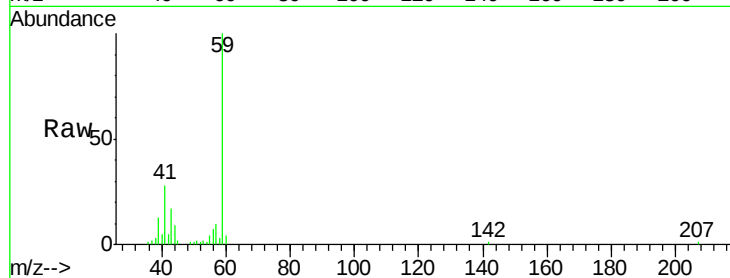
ClientSampleId :

Tot Ion: 59 Resp: 103316

Ion Ratio Lower Upper

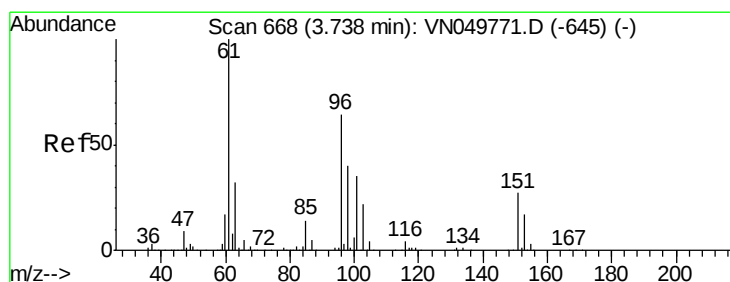
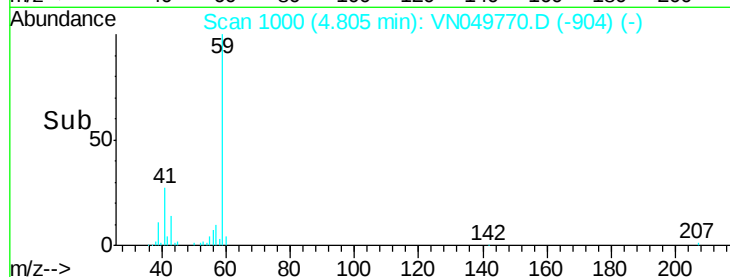
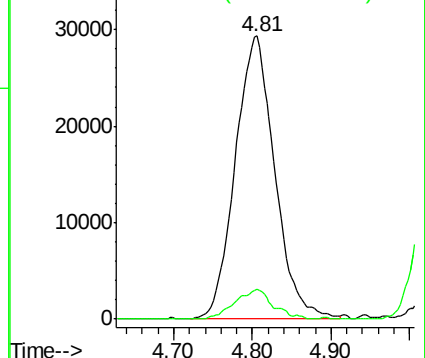
59 100

57 9.8 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 19.698 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.01 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

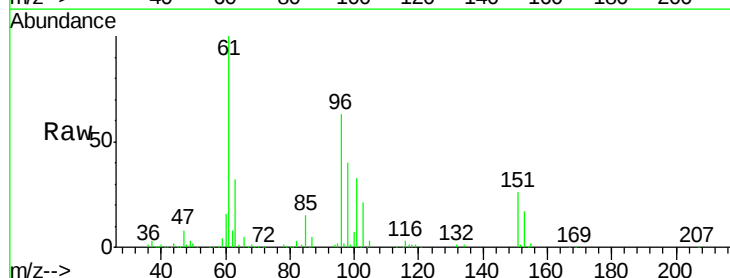
Tgt Ion: 96 Resp: 256522

Ion Ratio Lower Upper

96 100

61 159.8 126.5 189.7

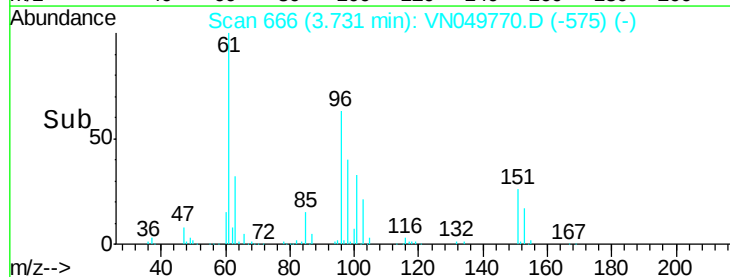
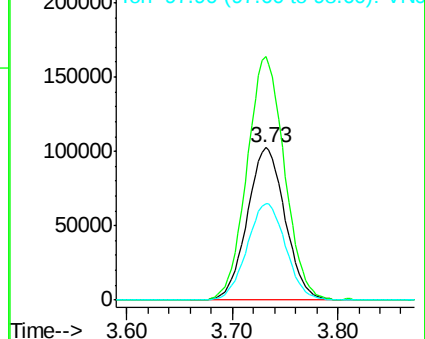
98 63.4 51.0 76.6

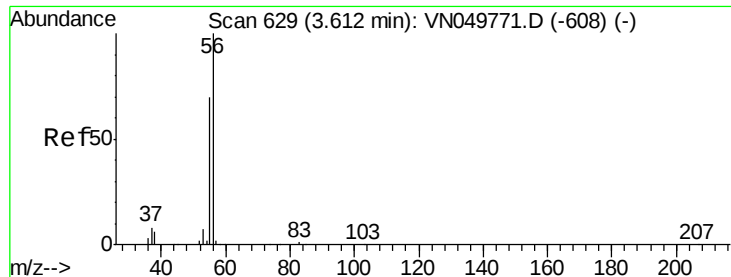


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

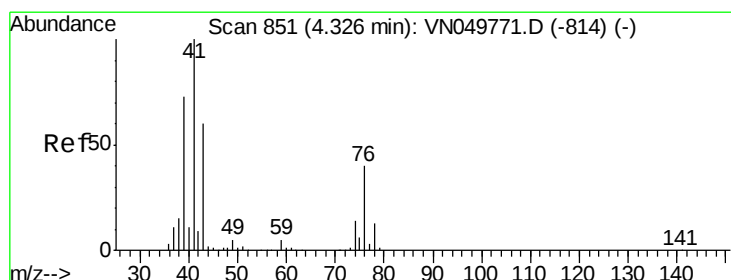
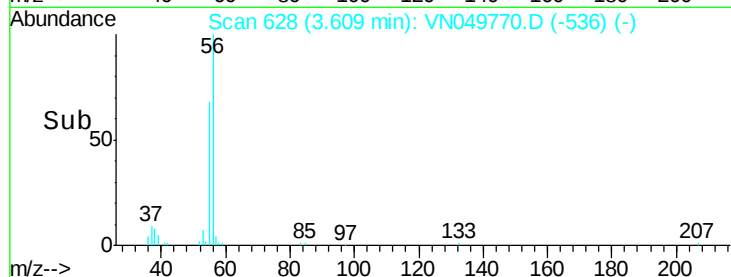
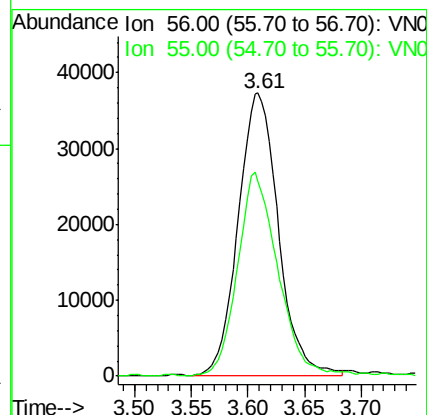
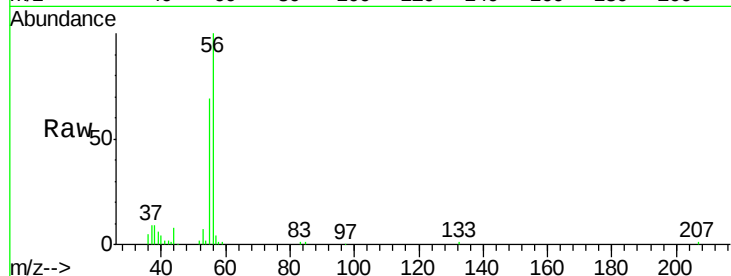




#13
Acrolein
Concen: 112.349 ug/l
RT: 3.61 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

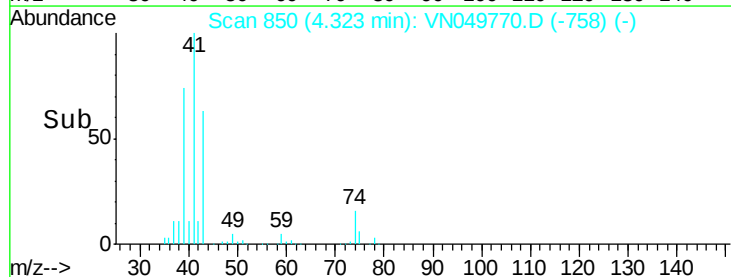
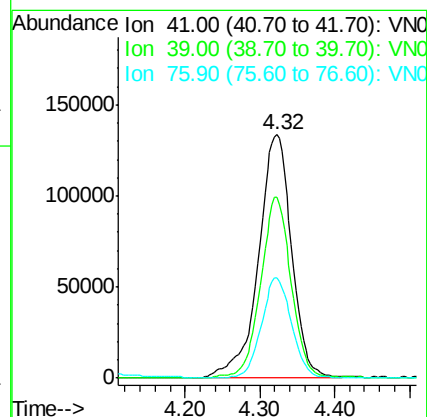
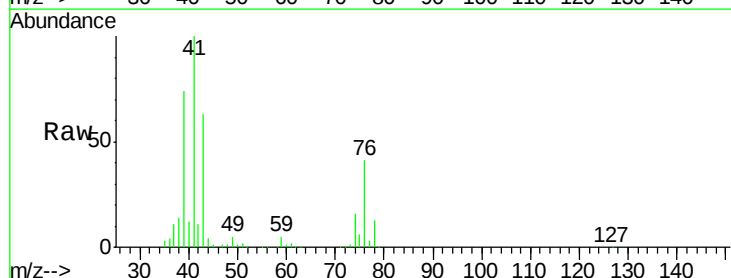
Instrument :
MSVOA_N
ClientSampleId :

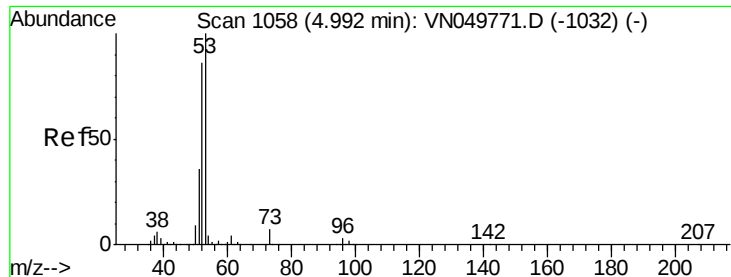
Tot Ion: 56 Resp: 92524
Ion Ratio Lower Upper
56 100
55 71.8 55.8 83.8



#14
Allyl chloride
Concen: 19.359 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion: 41 Resp: 411437
Ion Ratio Lower Upper
41 100
39 68.6 53.2 79.8
76 36.8 29.0 43.6





#15

Acrylonitrile

Concen: 105.085 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampled :

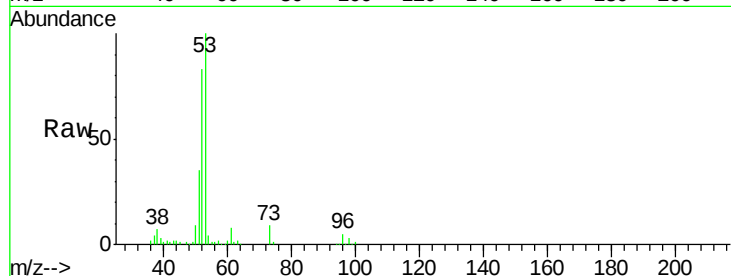
Tot Ion: 53 Resp: 493436

Ion Ratio Lower Upper

53 100

52 81.8 64.8 97.2

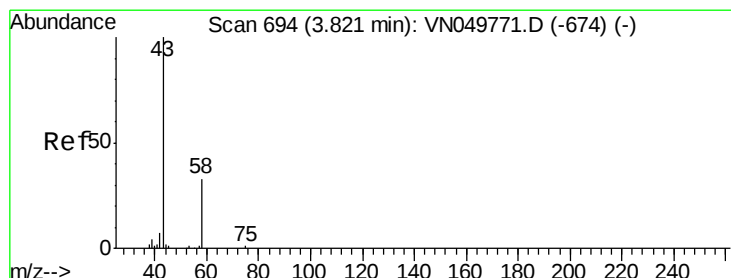
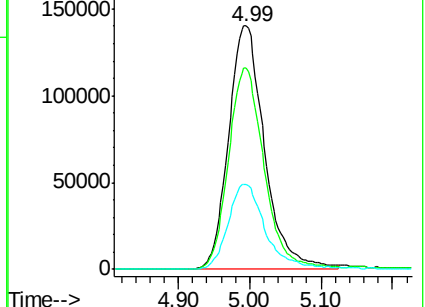
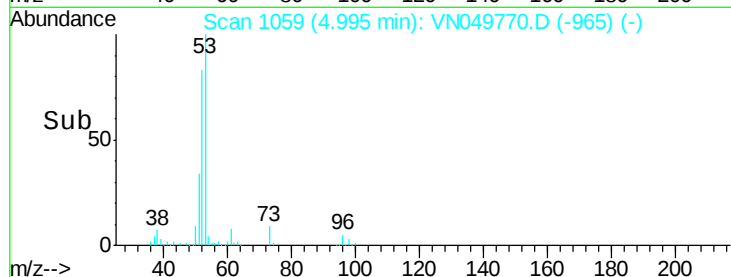
51 36.2 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049770.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN049770.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN049770.D (-965) (-)



#16

Acetone

Concen: 110.267 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049770.D

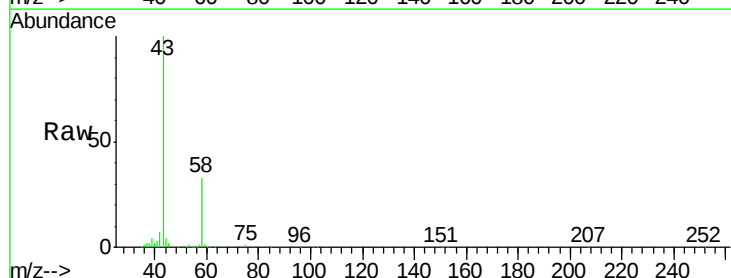
Acq: 12 Jul 2018 11:39

Tgt Ion: 43 Resp: 384193

Ion Ratio Lower Upper

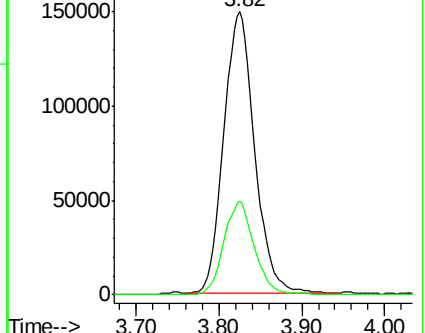
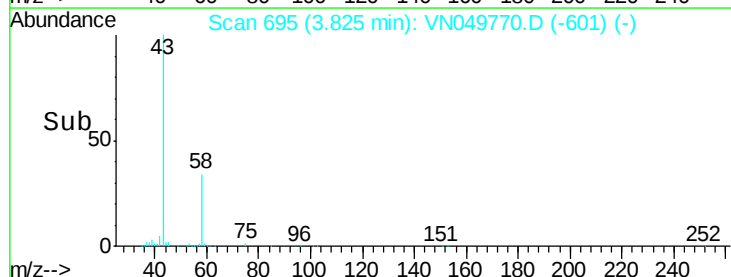
43 100

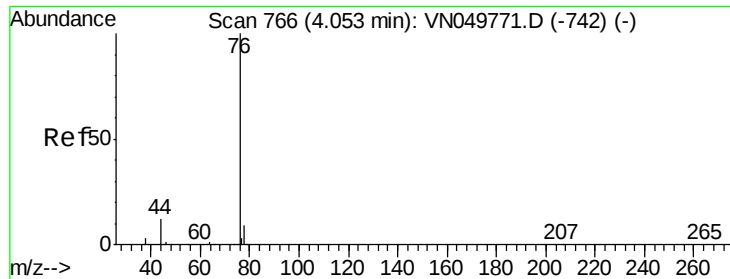
58 33.3 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049770.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049770.D (-601) (-)

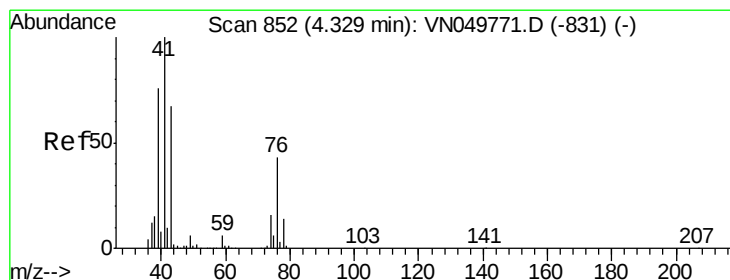
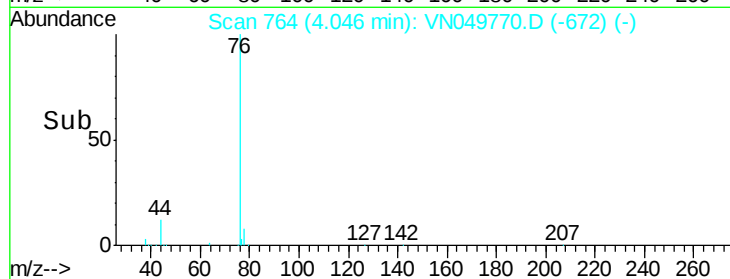
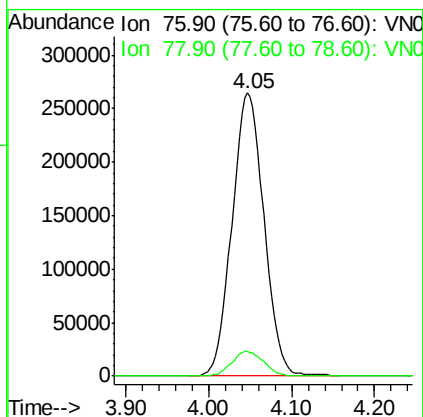
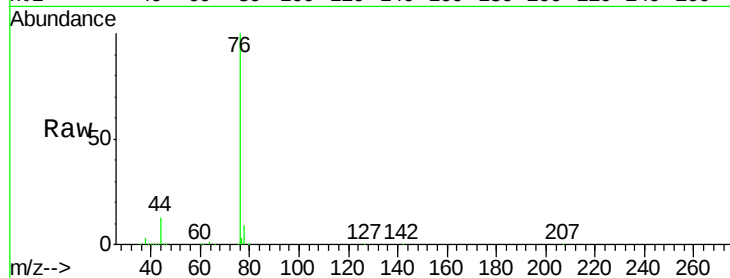




#17
Carbon Disulfide
Concen: 21.006 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.01 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

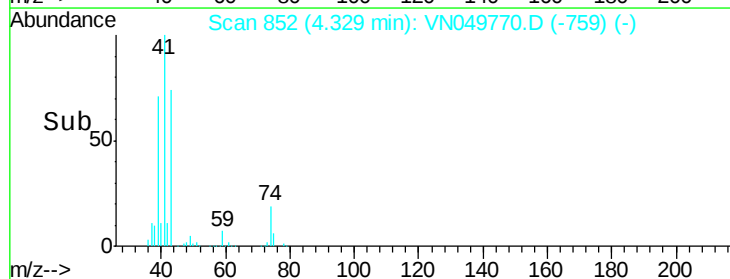
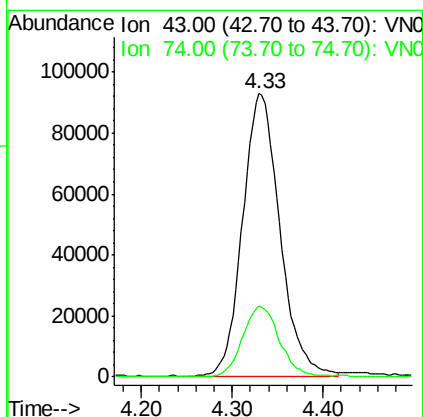
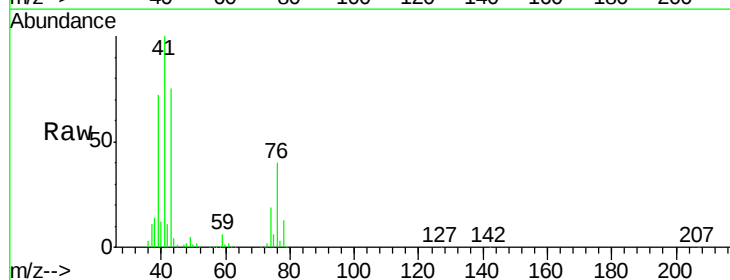
Instrument :
MSVOA_N
ClientSampled :

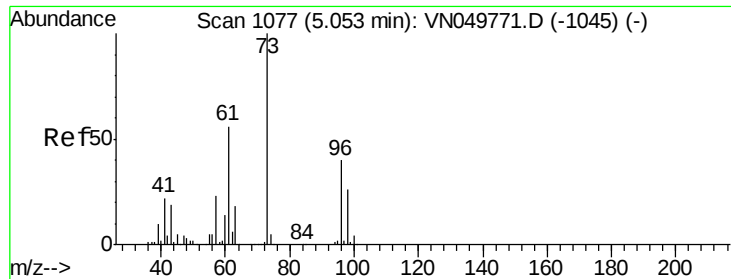
Tot Ion: 76 Resp: 709120
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 22.027 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion: 43 Resp: 262558
Ion Ratio Lower Upper
43 100
74 24.9 19.8 29.8

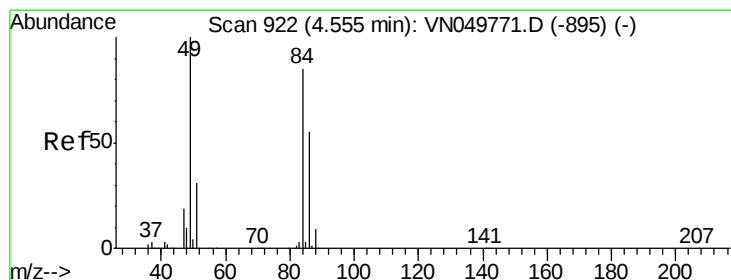
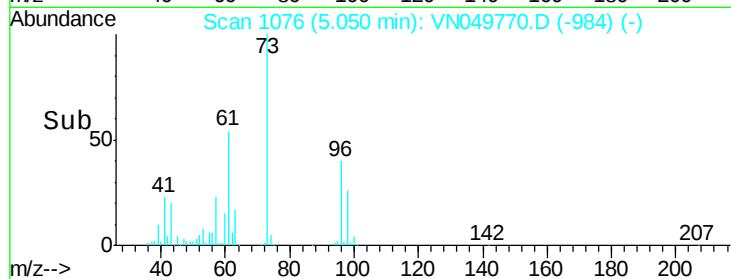
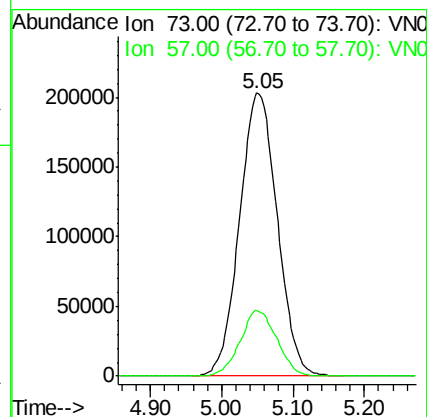
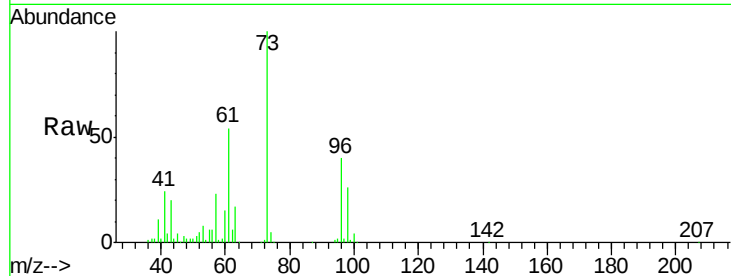




#19
Methyl tert-butyl Ether
Concen: 20.668 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

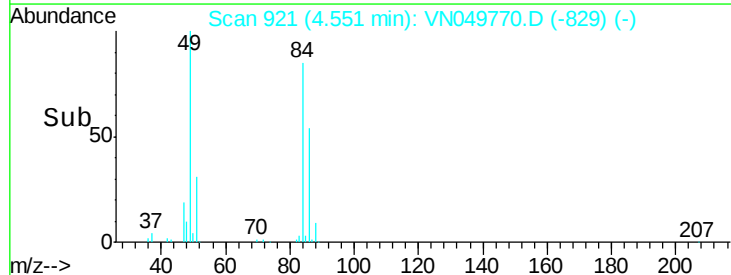
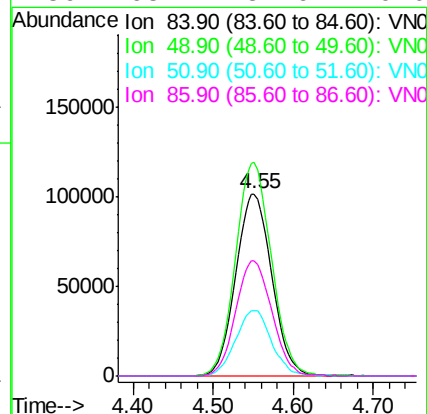
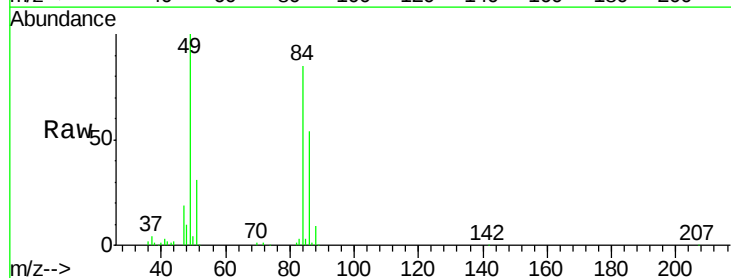
Instrument :
MSVOA_N
ClientSampled :

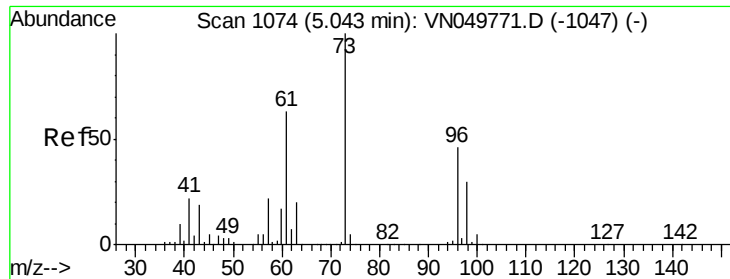
Tot Ion: 73 Resp: 746638
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1



#20
Methylene Chloride
Concen: 20.993 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion: 84 Resp: 309362
Ion Ratio Lower Upper
84 100
49 117.2 95.4 143.2
51 36.1 28.4 42.6
86 63.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.600 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

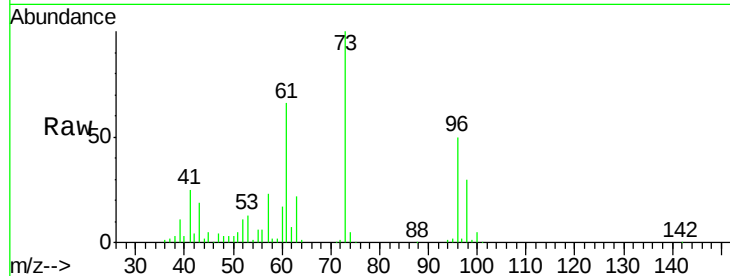
Tot Ion: 96 Resp: 278999

Ion Ratio Lower Upper

96 100

61 133.3 109.0 163.6

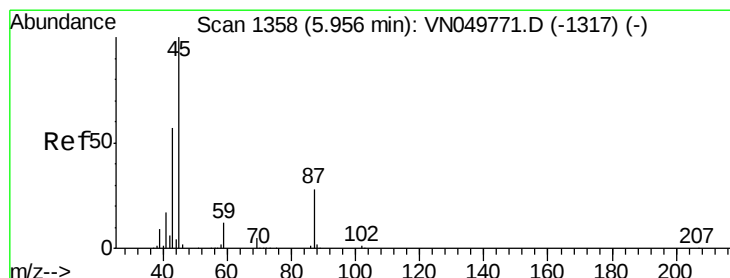
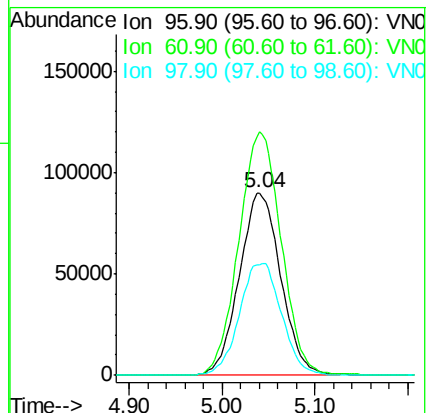
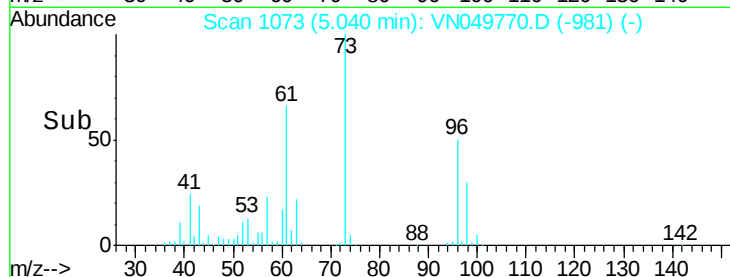
98 60.5 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN049770.D (-981) (-)

Ion 60.90 (60.60 to 61.60): VN049770.D (-981) (-)

Ion 97.90 (97.60 to 98.60): VN049770.D (-981) (-)



#22

Diisopropyl ether

Concen: 20.709 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion: 45 Resp: 904064

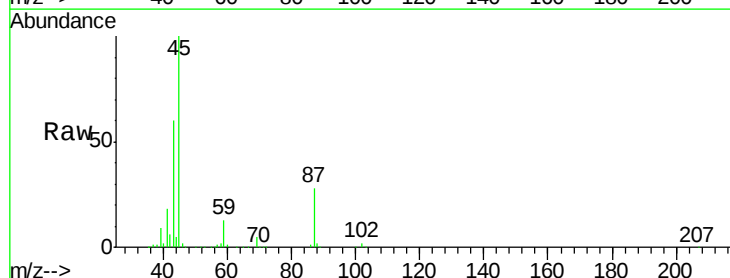
Ion Ratio Lower Upper

45 100

43 58.7 48.1 72.1

87 27.7 22.6 34.0

59 12.3 9.2 13.8

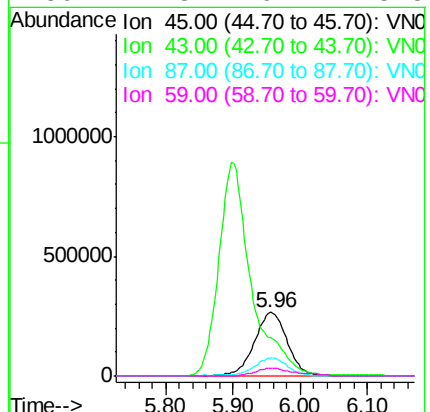
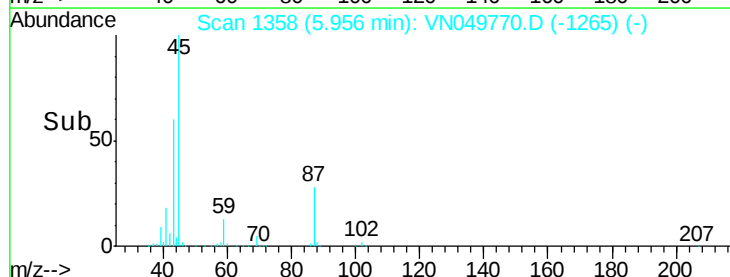


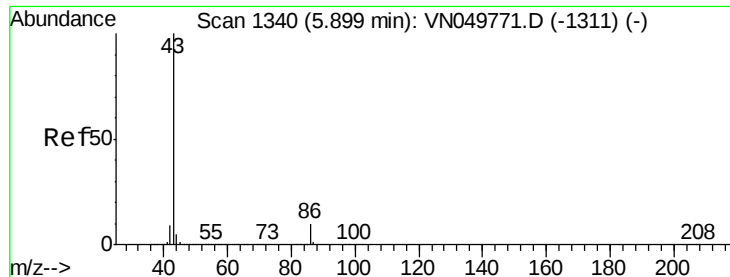
Abundance Ion 45.00 (44.70 to 45.70): VN049770.D (-1265) (-)

Ion 43.00 (42.70 to 43.70): VN049770.D (-1265) (-)

Ion 87.00 (86.70 to 87.70): VN049770.D (-1265) (-)

Ion 59.00 (58.70 to 59.70): VN049770.D (-1265) (-)





#23

Vinyl Acetate

Concen: 103.215 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

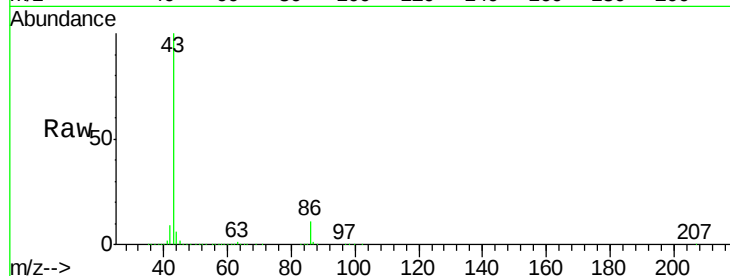
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3019665

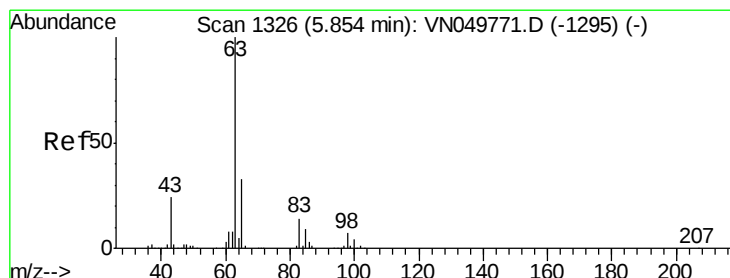
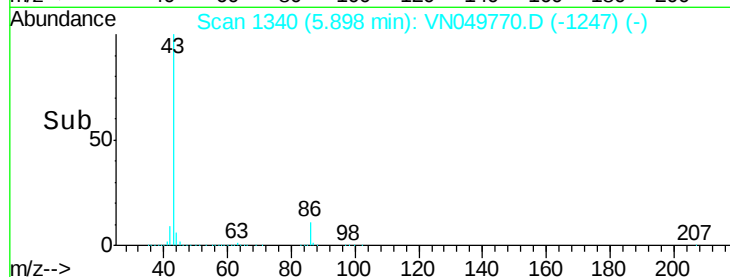
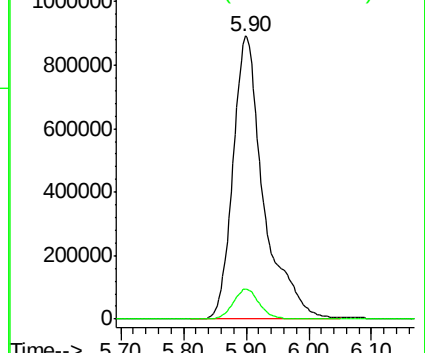
Ion Ratio Lower Upper

43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN049770.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 19.802 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

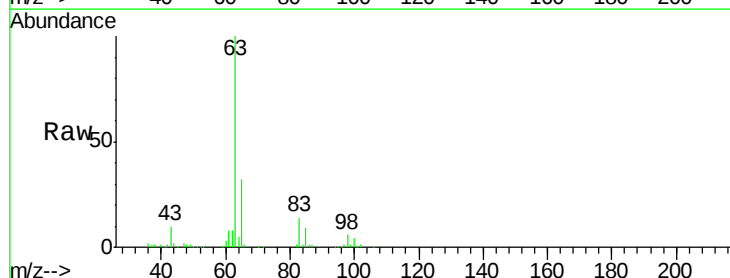
Tgt Ion: 63 Resp: 543087

Ion Ratio Lower Upper

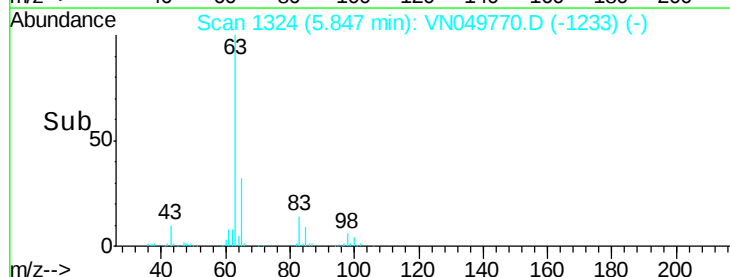
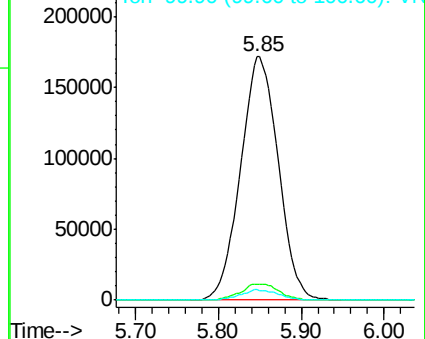
63 100

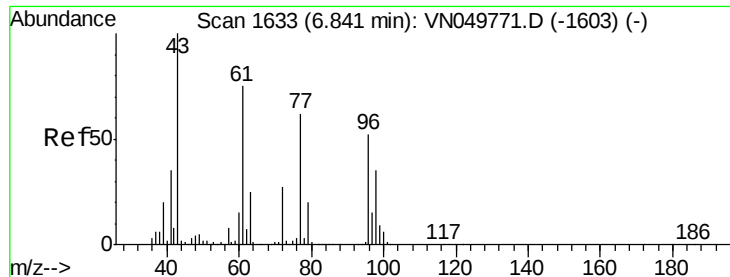
98 6.5 3.4 10.2

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN049770.D (-1233) (-)





#25

2-Butanone

Concen: 105.414 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

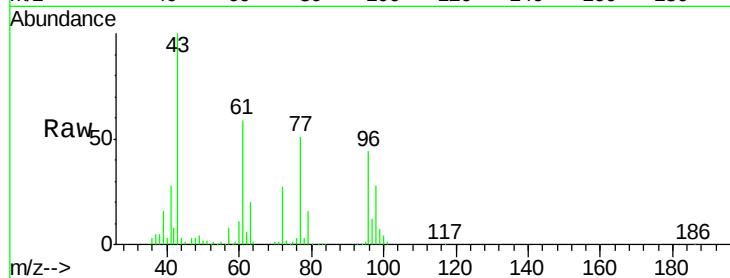
ClientSampled :

Tot Ion: 43 Resp: 575485

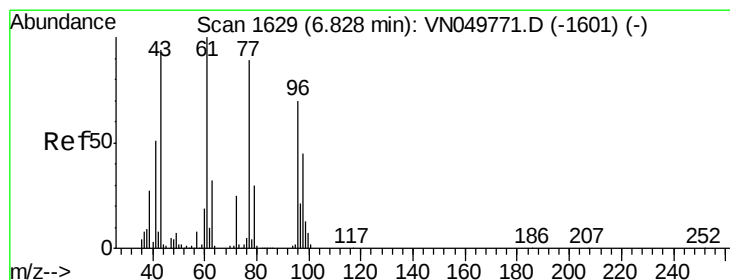
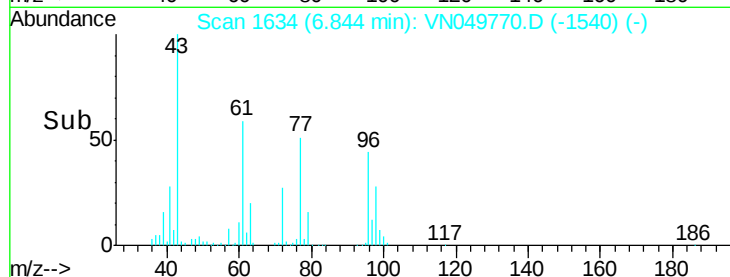
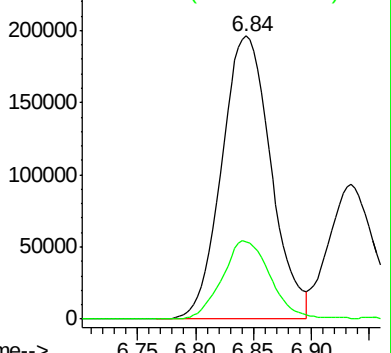
Ion Ratio Lower Upper

43 100

72 27.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN049770.D (-1540) (-)



#26

2,2-Dichloropropane

Concen: 19.965 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049770.D

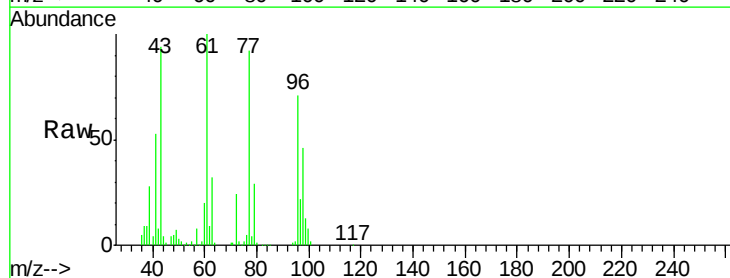
Acq: 12 Jul 2018 11:39

Tgt Ion: 77 Resp: 454466

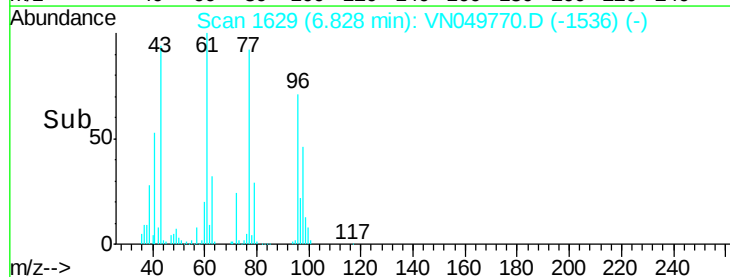
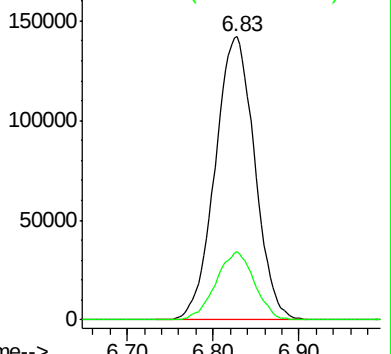
Ion Ratio Lower Upper

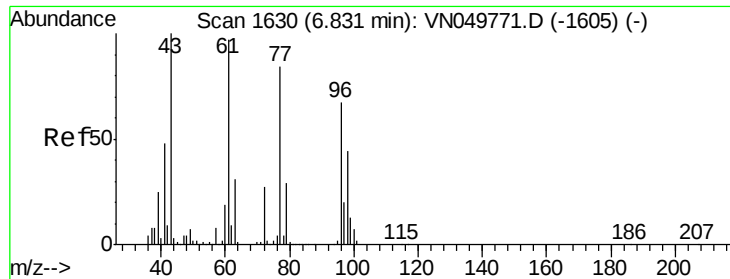
77 100

97 23.5 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN049770.D (-1536) (-)

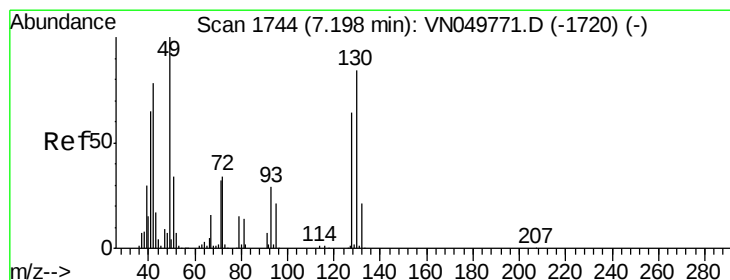
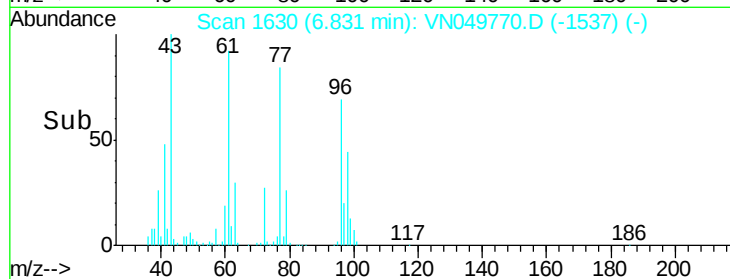
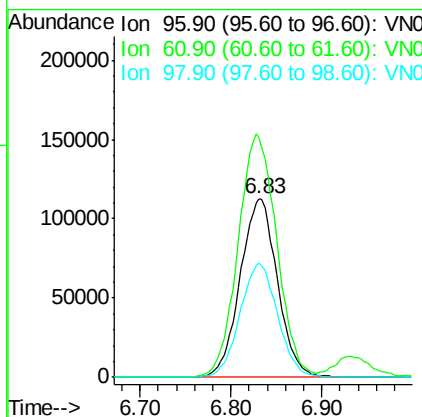
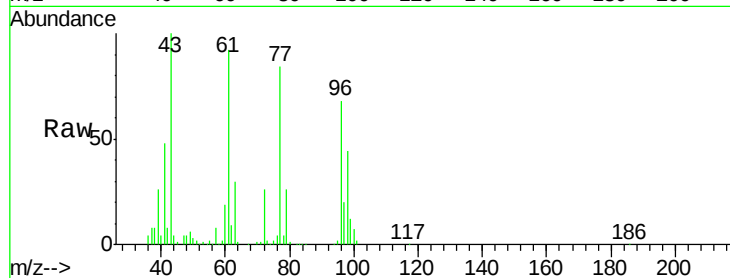




#27
 cis-1,2-Dichloroethene
 Concen: 19.659 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

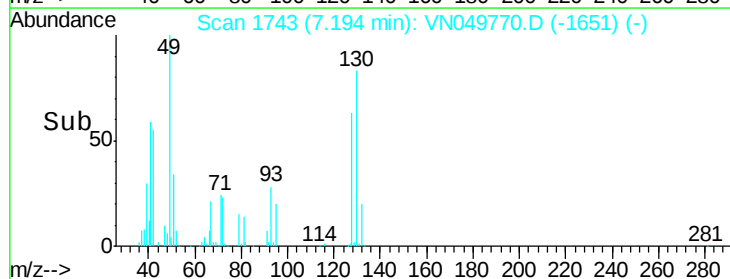
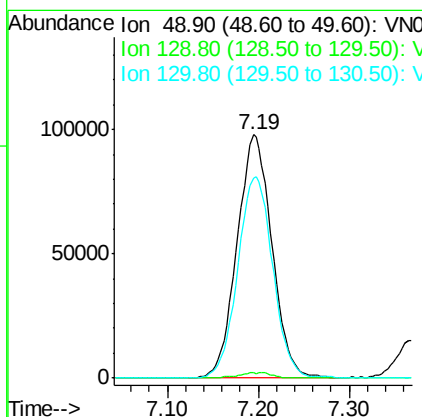
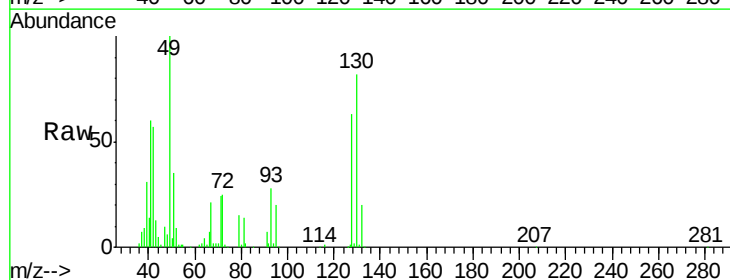
Instrument :
 MSVOA_N
 ClientSampleId :

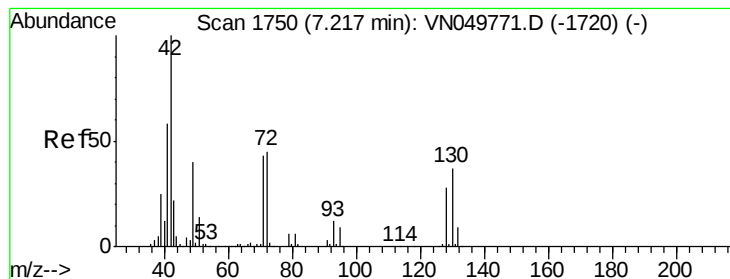
Tot Ion: 96 Resp: 320047
 Ion Ratio Lower Upper
 96 100
 61 141.1 0.0 289.0
 98 64.4 0.0 130.2



#28
 Bromochloromethane
 Concen: 20.901 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Tgt Ion: 49 Resp: 260720
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 83.0 65.5 98.3





#29

Tetrahydrofuran

Concen: 107.603 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

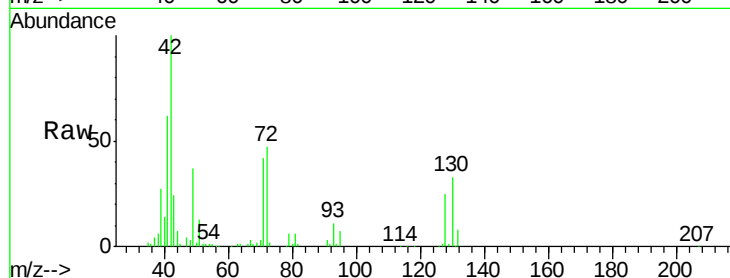
Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 368880

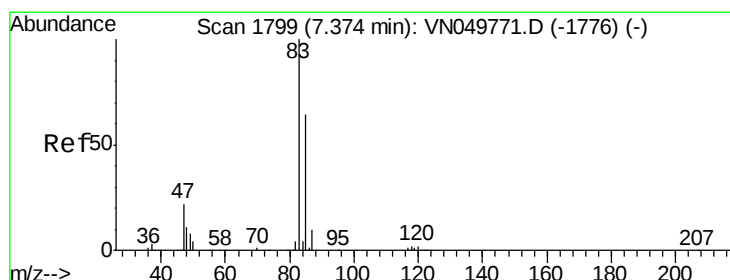
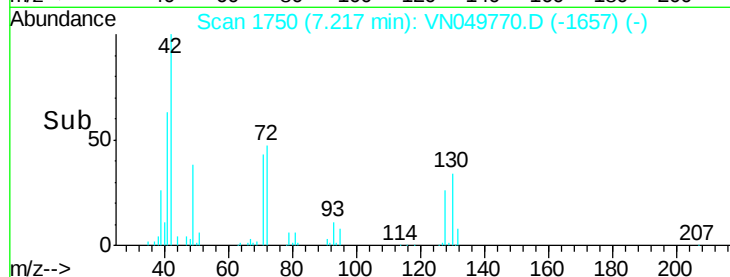
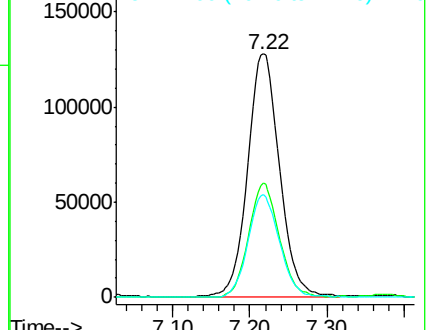
Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.6	53.4
71	41.4	34.0	51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.798 ug/l

RT: 7.37 min Scan# 1799

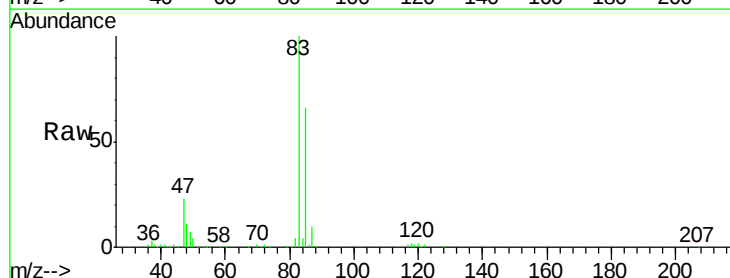
Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

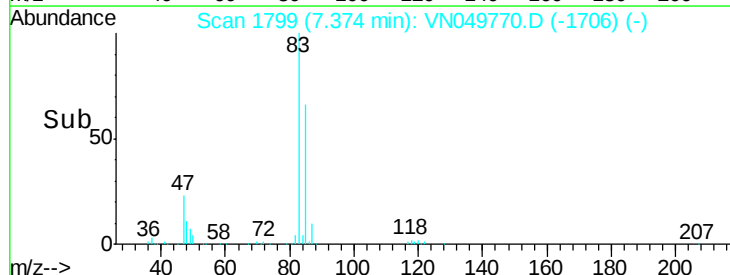
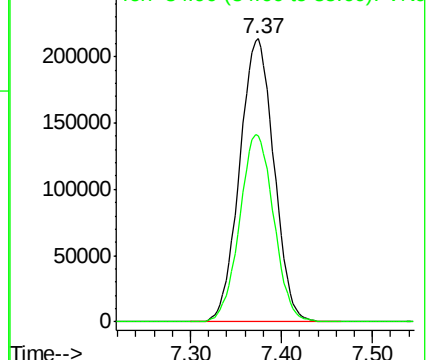
Tgt Ion: 83 Resp: 559478

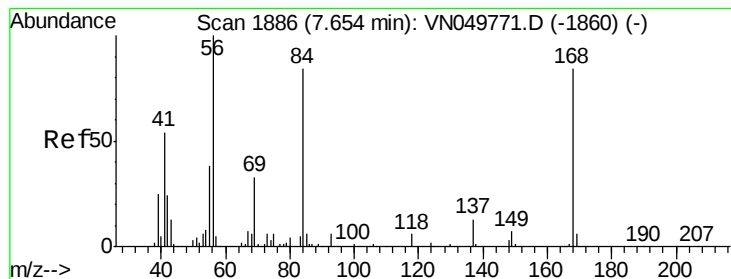
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.388 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampled :

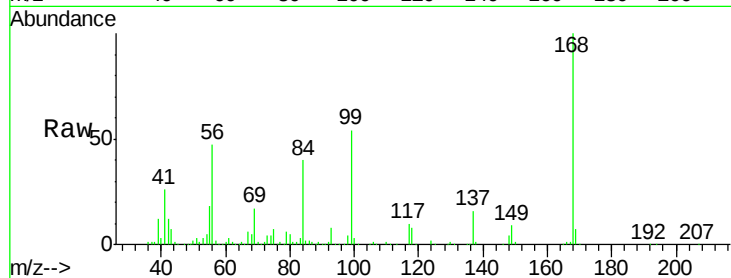
Tot Ion: 56 Resp: 448338

Ion Ratio Lower Upper

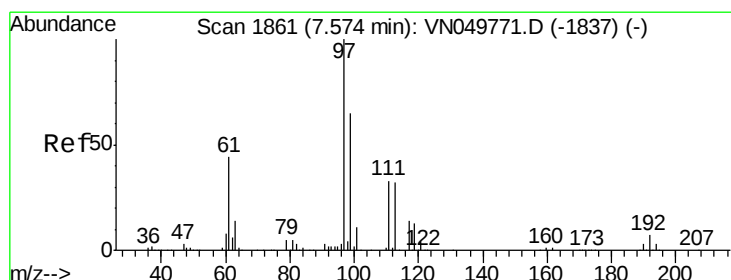
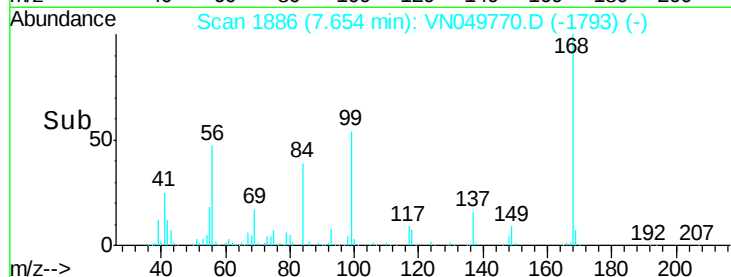
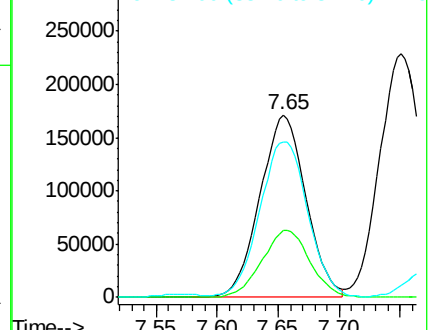
56 100

69 36.4 26.6 40.0

84 84.1 69.0 103.6



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



#32

1,1,1-Trichloroethane

Concen: 19.784 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

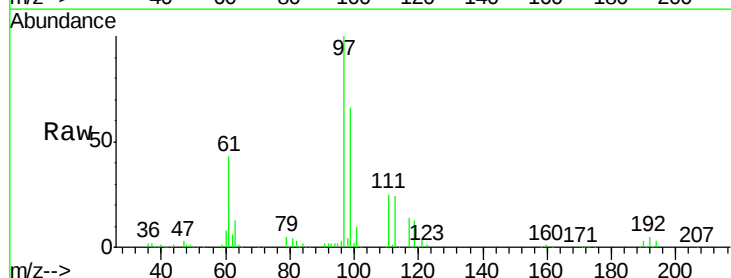
Tgt Ion: 97 Resp: 474828

Ion Ratio Lower Upper

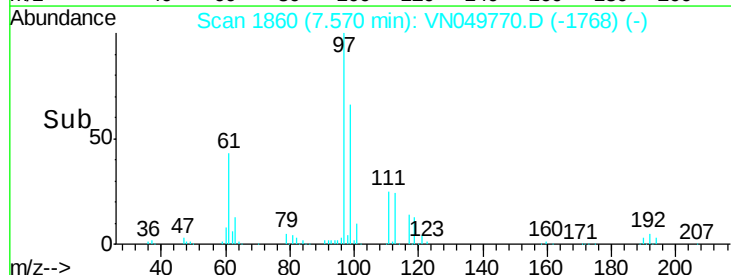
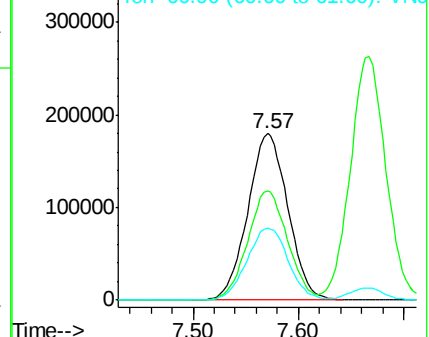
97 100

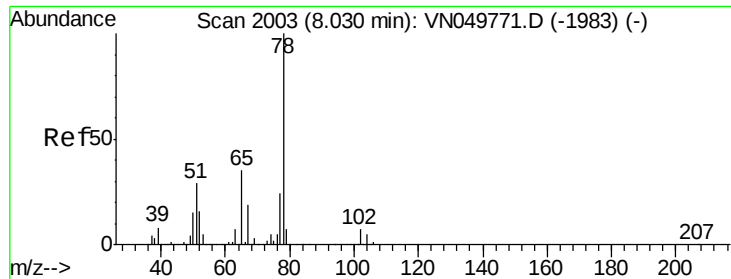
99 65.4 51.0 76.4

61 44.6 35.5 53.3



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: 18.815 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

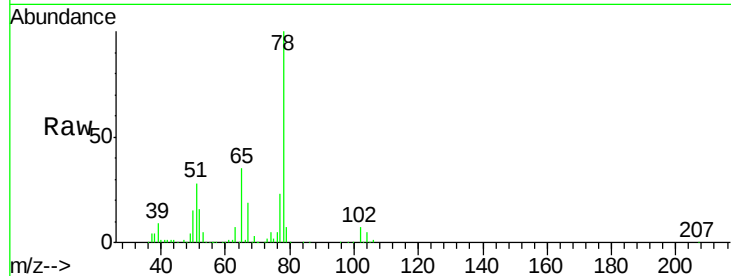
ClientSampleId :

Tot Ion: 65 Resp: 263578

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049770.D (-1910) (-)

Ion 66.90 (66.60 to 67.60): VN049770.D (-1910) (-)

8.03

120000

100000

80000

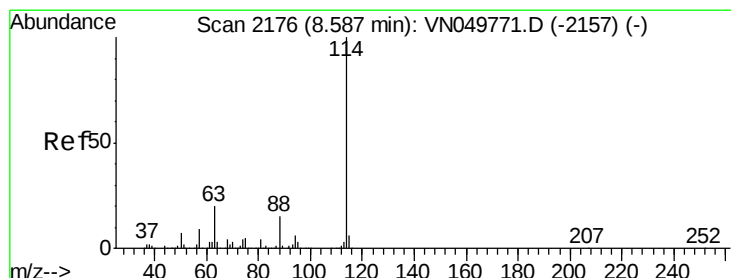
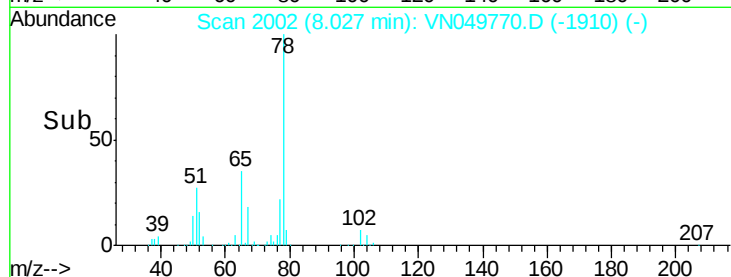
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

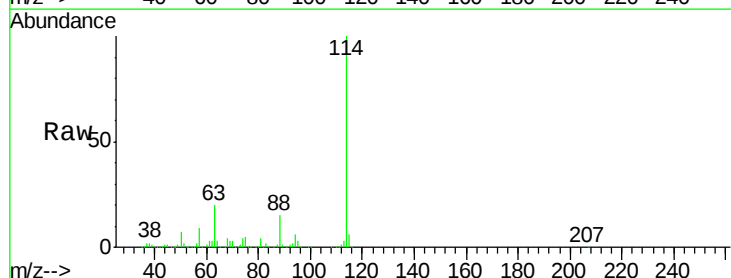
Tgt Ion: 114 Resp: 1747001

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

88 15.5 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN049770.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049770.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049770.D (-2083) (-)

8.59

1000000

800000

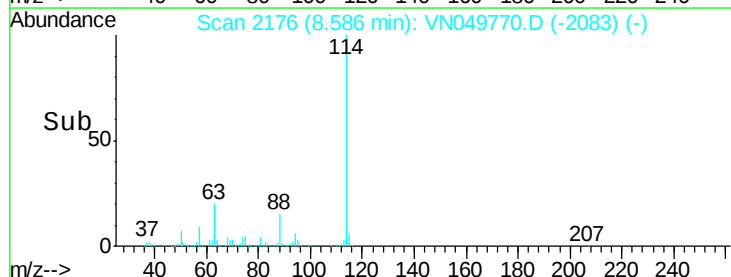
600000

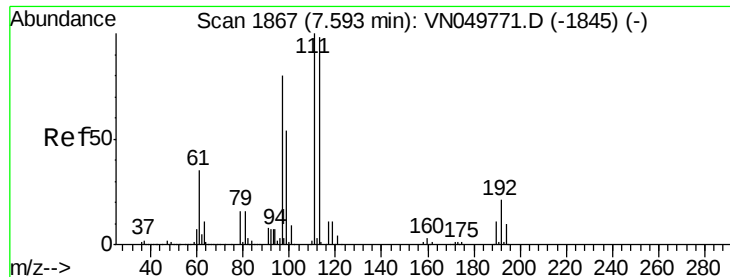
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 18.653 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampled :

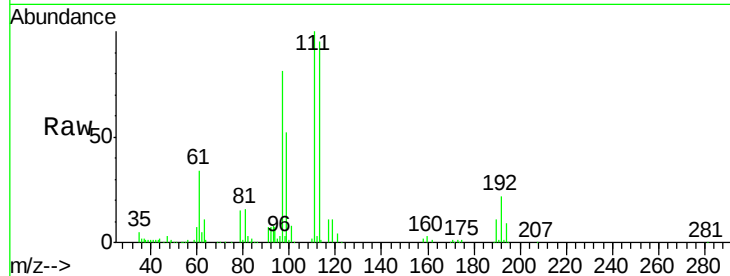
Tot Ion:113 Resp: 245631

Ion Ratio Lower Upper

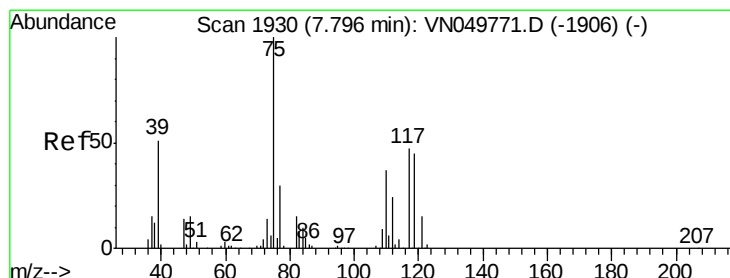
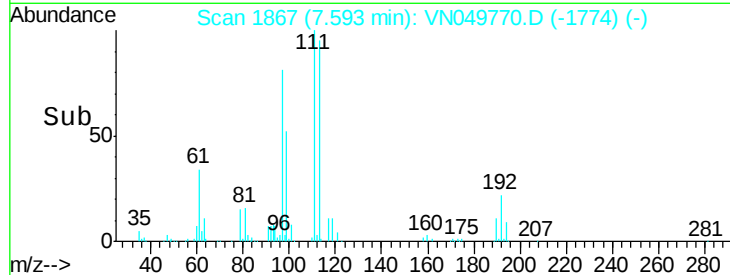
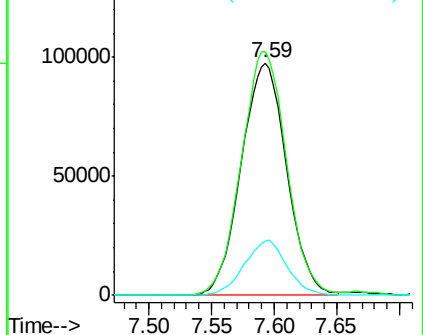
113 100

111 104.6 81.8 122.8

192 22.2 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.124 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

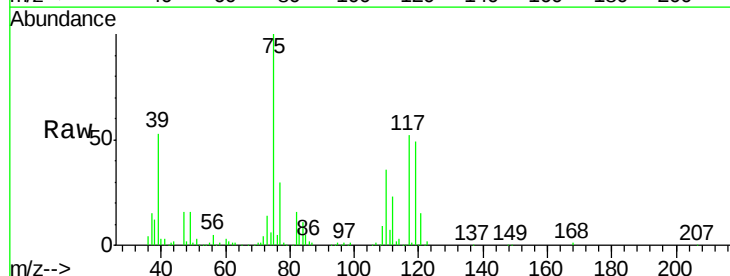
Tgt Ion: 75 Resp: 405141

Ion Ratio Lower Upper

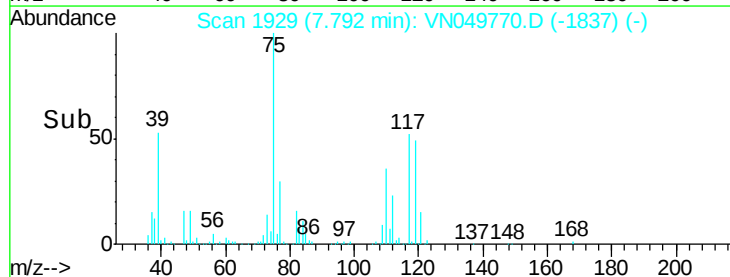
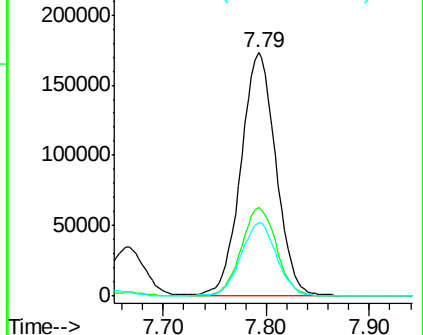
75 100

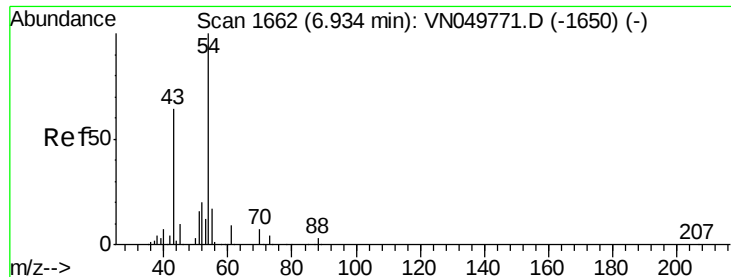
110 36.9 18.1 54.4

77 31.2 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

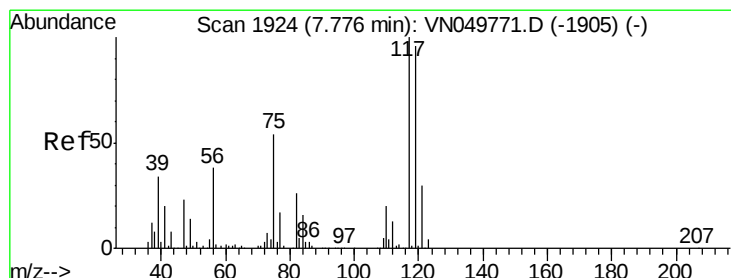
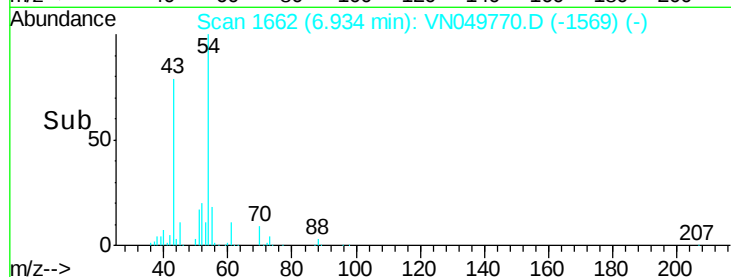
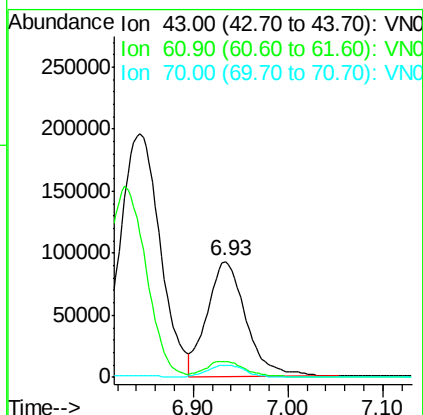
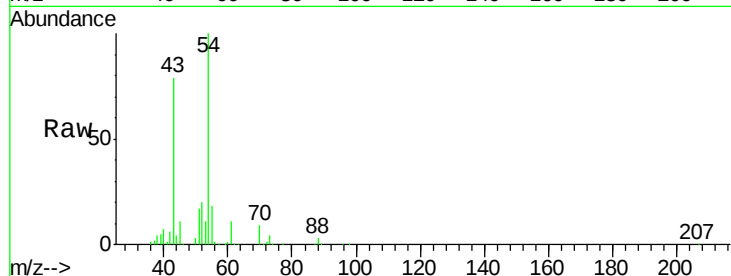




#37
Ethyl Acetate
Concen: 22.059 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

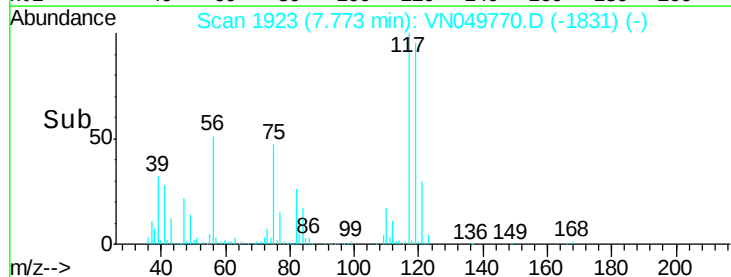
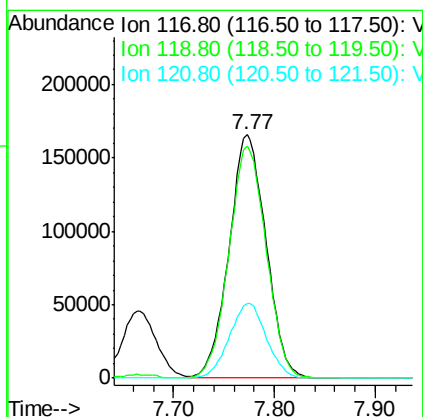
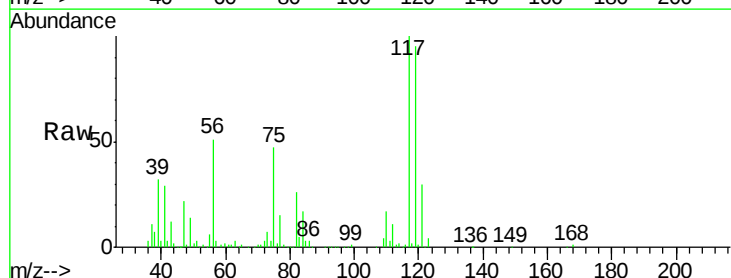
Instrument :
MSVOA_N
ClientSampled :

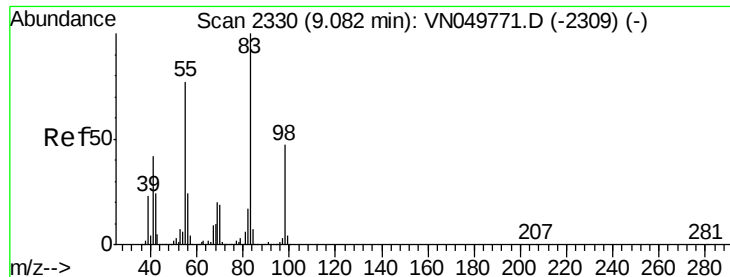
Tot Ion: 43 Resp: 262869
Ion Ratio Lower Upper
43 100
61 13.1 11.7 17.5
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.016 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion: 117 Resp: 421243
Ion Ratio Lower Upper
117 100
119 95.2 77.2 115.8
121 30.5 25.0 37.6

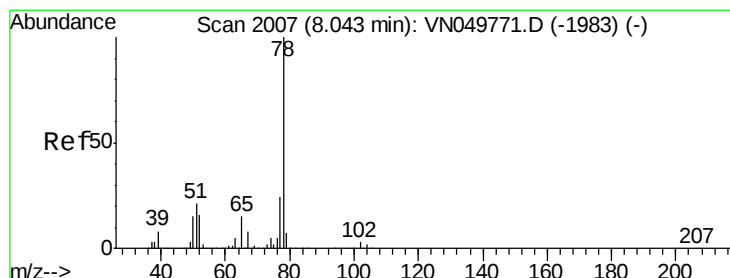
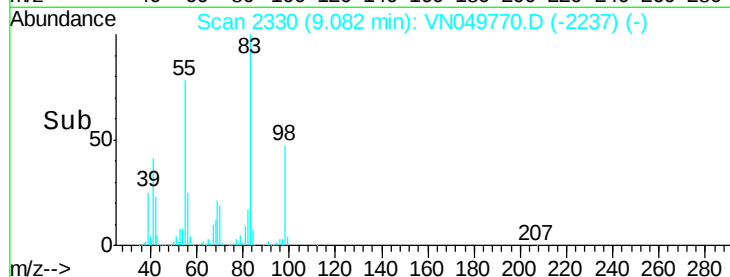
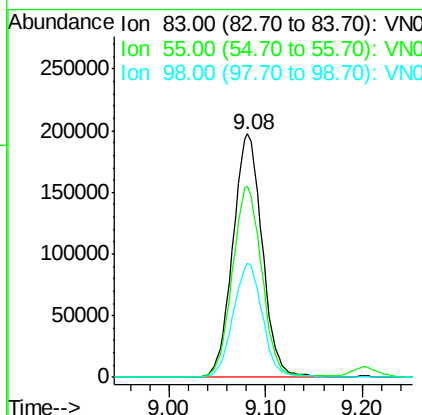
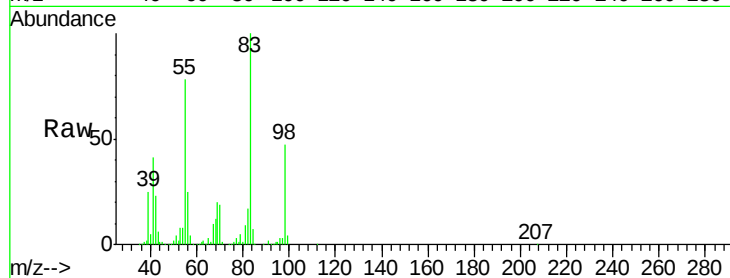




#39
Methvlcvclohexane
Concen: 19.634 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

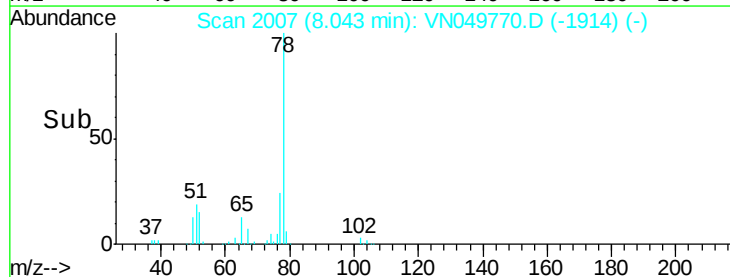
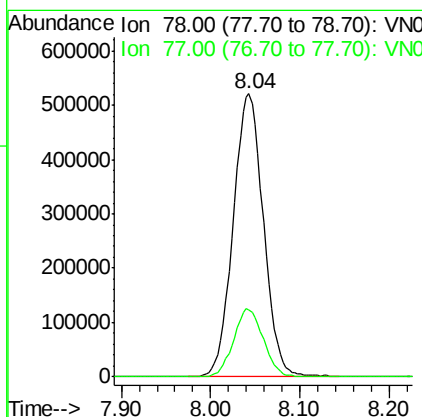
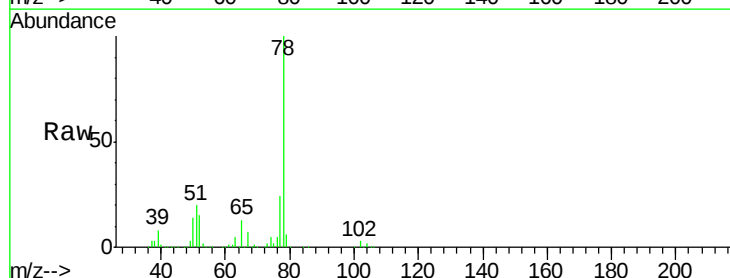
Instrument :
MSVOA_N
ClientSampleId :

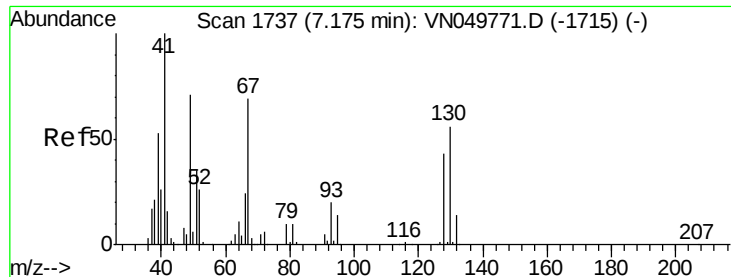
Tot Ion: 83 Resp: 416637
Ion Ratio Lower Upper
83 100
55 78.3 59.7 89.5
98 46.7 36.5 54.7



#40
Benzene
Concen: 20.356 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion: 78 Resp: 1225916
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4

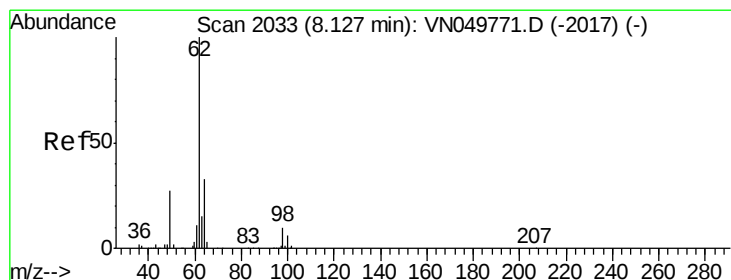
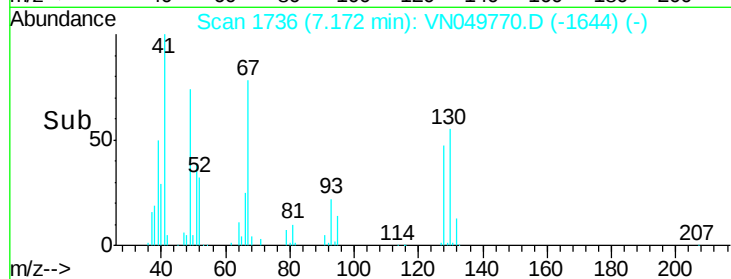
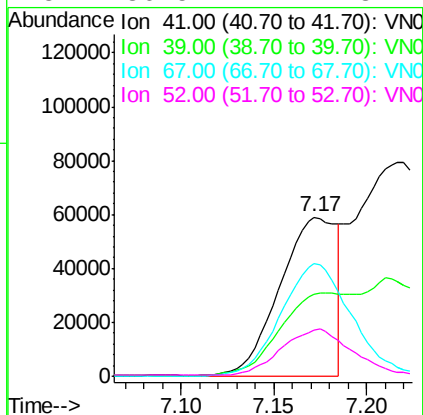
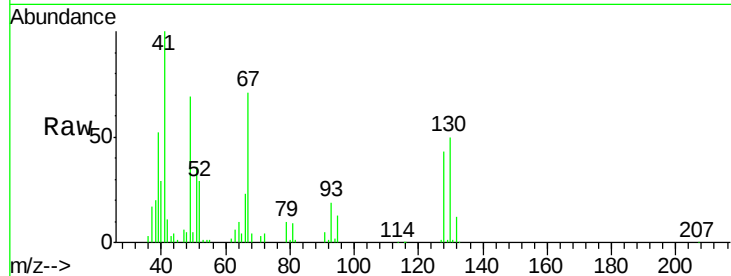




#41
Methacrylonitrile
Concen: 18.569 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

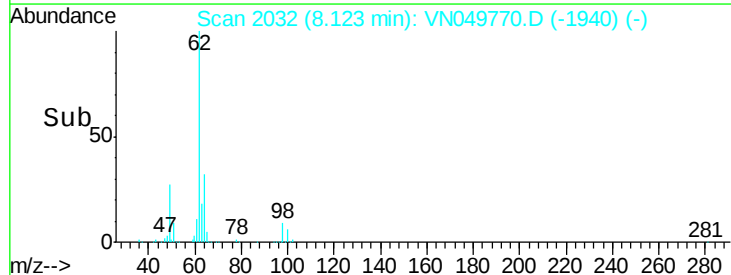
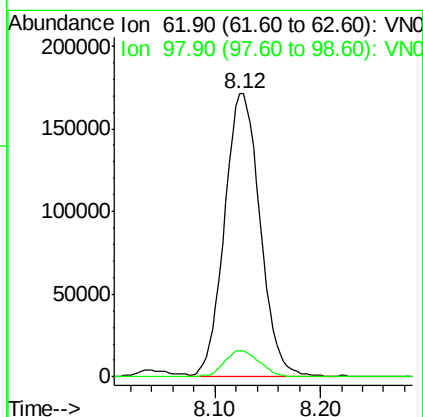
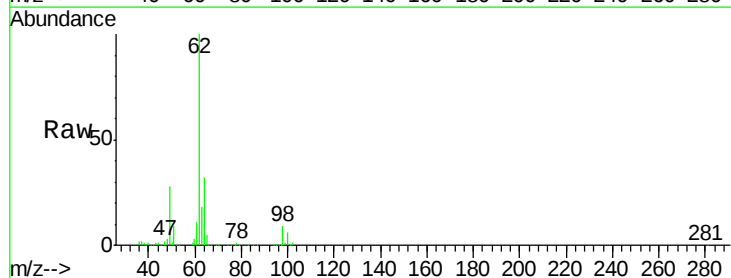
Instrument :
MSVOA_N
ClientSampled :

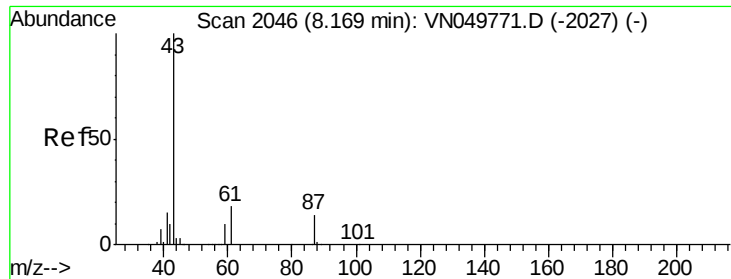
Tot Ion:	41	Resp:	125169
Ion	Ratio	Lower	Upper
41	100		
39	58.2	45.4	68.2
67	90.3	65.4	98.0
52	36.5	24.7	37.1



#42
1,2-Dichloroethane
Concen: 20.260 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion:	62	Resp:	399121
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0





#43

Isopropyl Acetate

Concen: 21.133 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

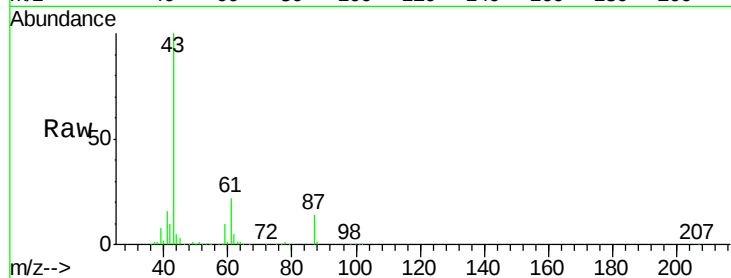
Tot Ion: 43 Resp: 452659

Ion Ratio Lower Upper

43 100

61 20.2 14.9 22.3

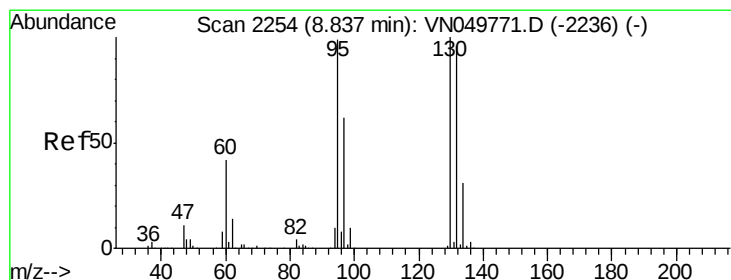
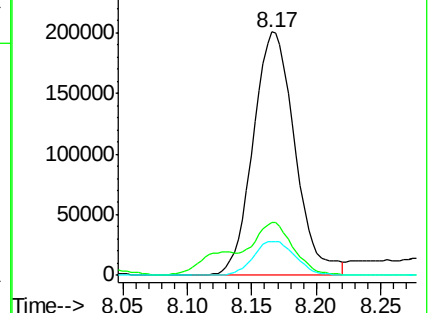
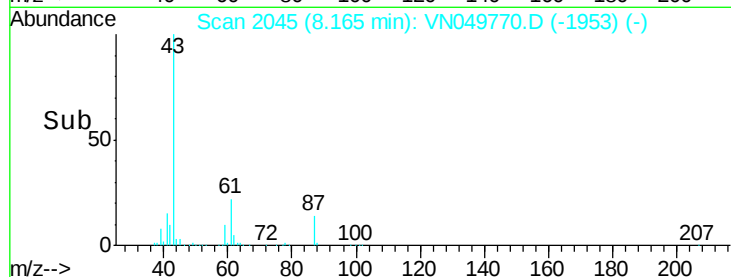
87 14.1 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049770.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN049770.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN049770.D (-1953) (-)



#44

Trichloroethene

Concen: 19.931 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049770.D

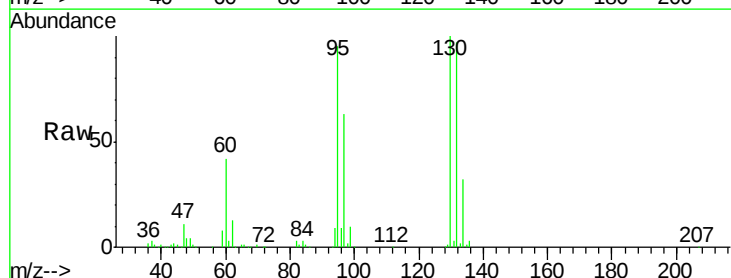
Acq: 12 Jul 2018 11:39

Tgt Ion:130 Resp: 323216

Ion Ratio Lower Upper

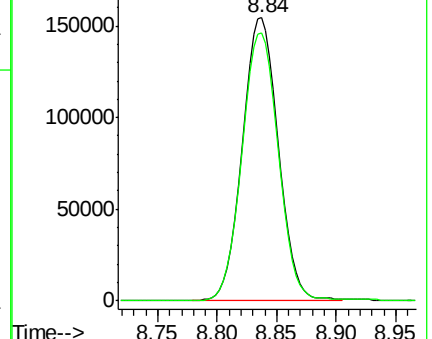
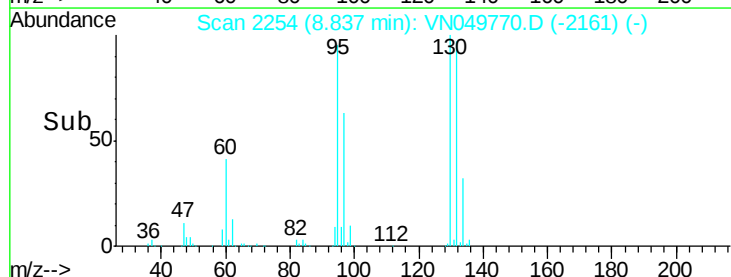
130 100

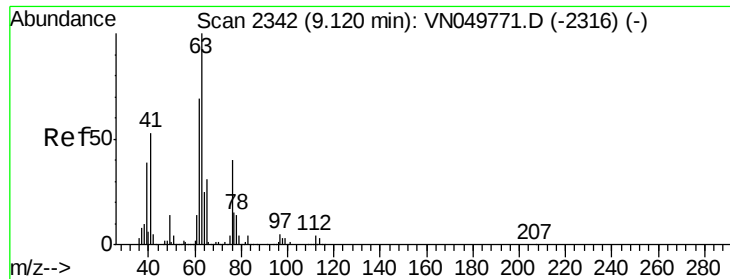
95 94.8 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049770.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049770.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 20.106 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

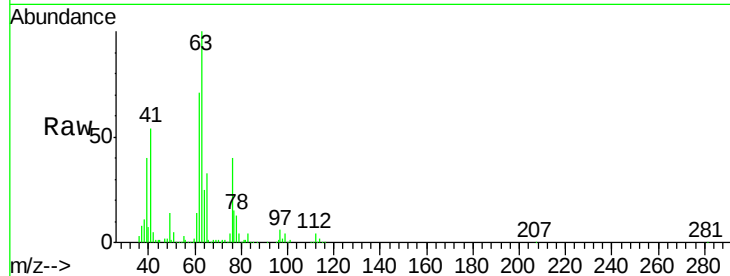
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 325418

Ion Ratio Lower Upper

63 100

65 32.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN049770.D (-2249) (-)

Ion 64.90 (64.60 to 65.60): VN049770.D (-2249) (-)

9.12

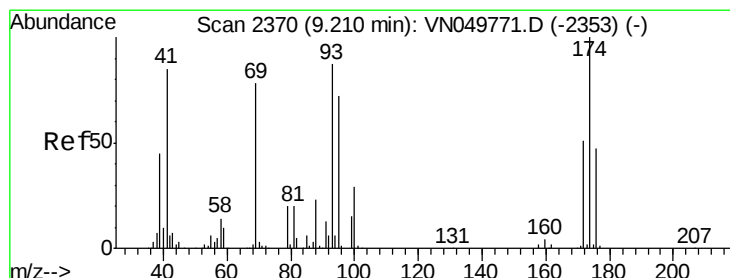
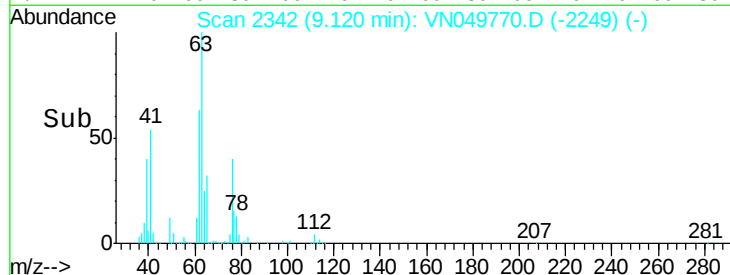
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 20.574 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

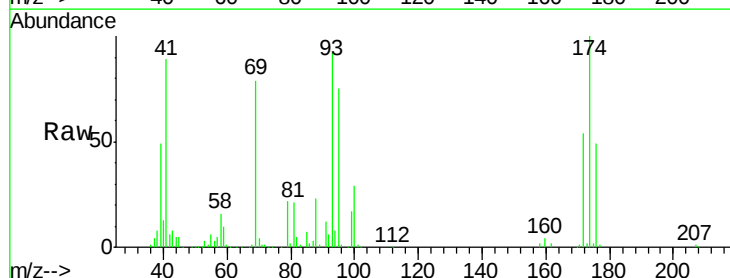
Tgt Ion: 93 Resp: 197772

Ion Ratio Lower Upper

93 100

95 82.3 67.9 101.9

174 108.7 89.4 134.0



Abundance Ion 92.80 (92.50 to 93.50): VN049770.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN049770.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN049770.D (-2277) (-)

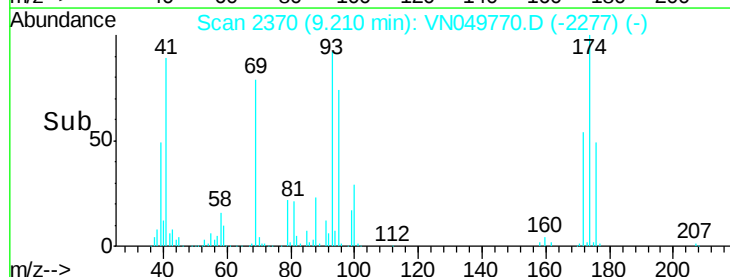
9.21

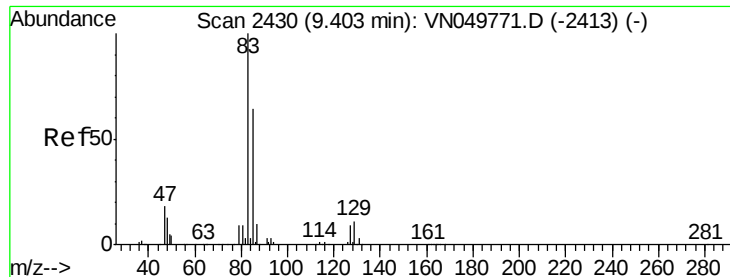
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 20.068 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampled :

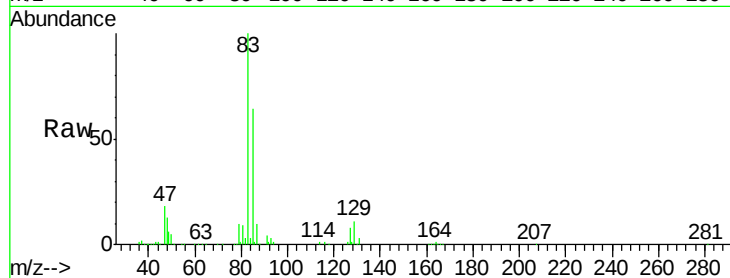
Tot Ion: 83 Resp: 424803

Ion Ratio Lower Upper

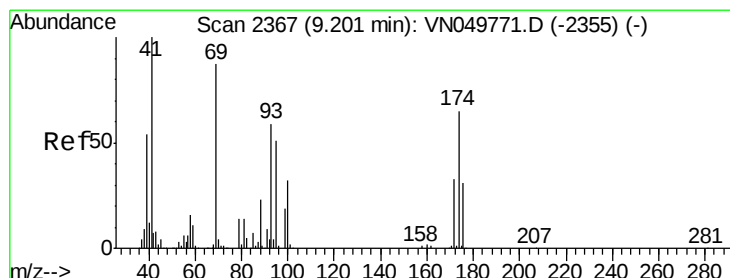
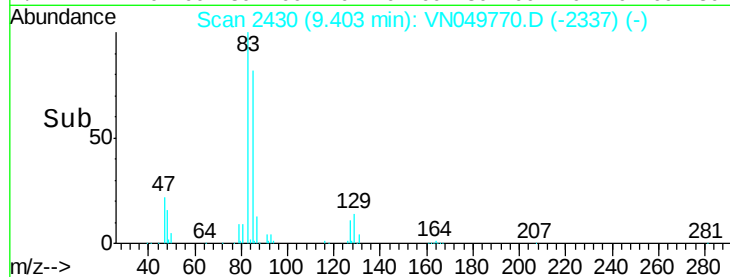
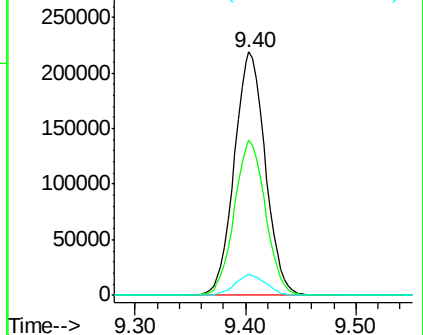
83 100

85 63.6 50.5 75.7

127 8.4 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049770.D (-2337) (-)
Ion 84.90 (84.60 to 85.60): VN049770.D (-2337) (-)
Ion 126.80 (126.50 to 127.50): VN049770.D (-2337) (-)



#48

Methyl methacrylate

Concen: 19.947 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

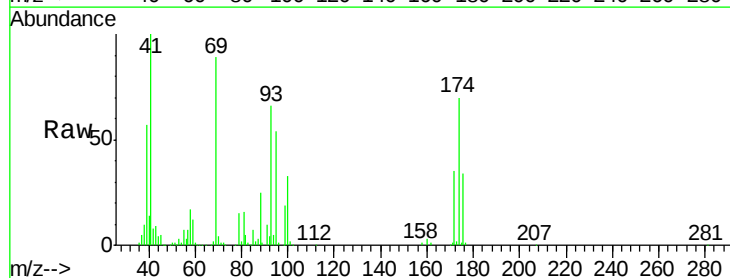
Tgt Ion: 41 Resp: 213617

Ion Ratio Lower Upper

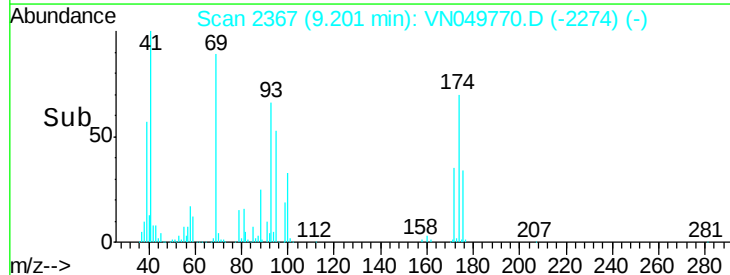
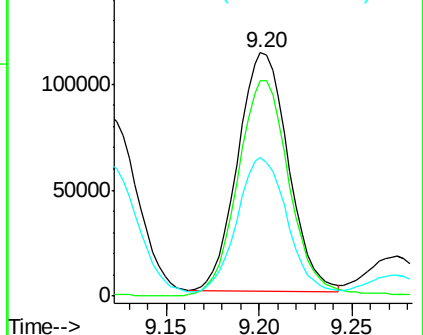
41 100

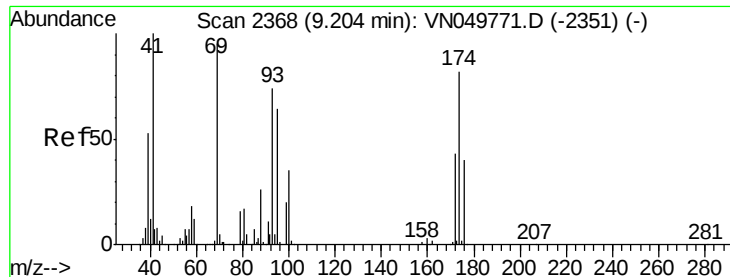
69 92.3 71.5 107.3

39 58.4 44.7 67.1



Abundance Ion 41.00 (40.70 to 41.70): VN049770.D (-2274) (-)
Ion 69.00 (68.70 to 69.70): VN049770.D (-2274) (-)
Ion 39.00 (38.70 to 39.70): VN049770.D (-2274) (-)

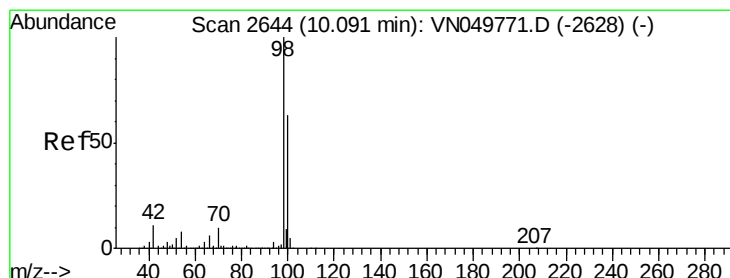
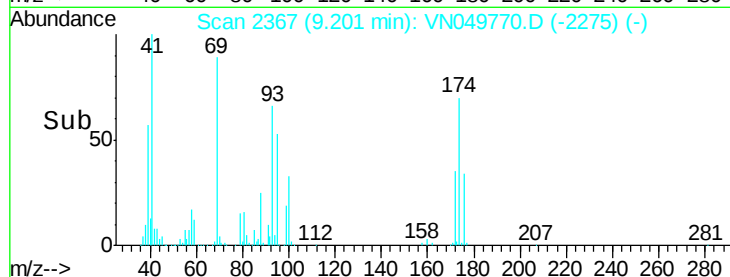
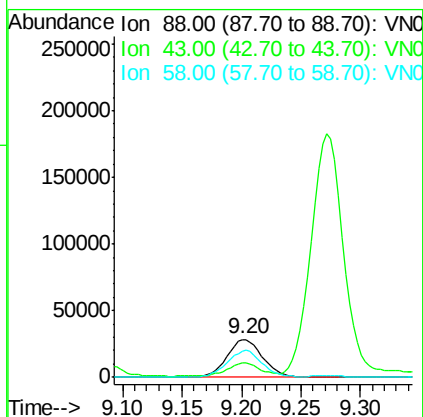
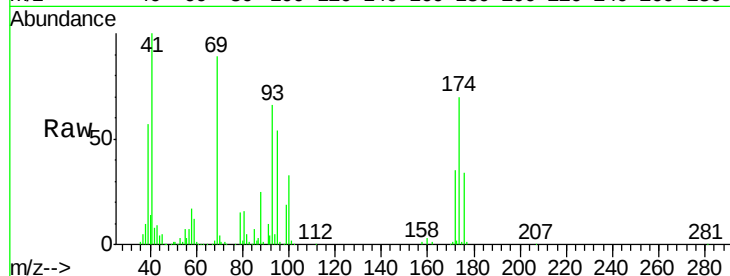




#49
1,4-Dioxane
Concen: 426.308 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

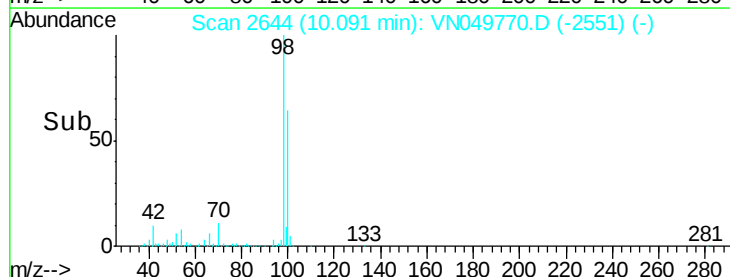
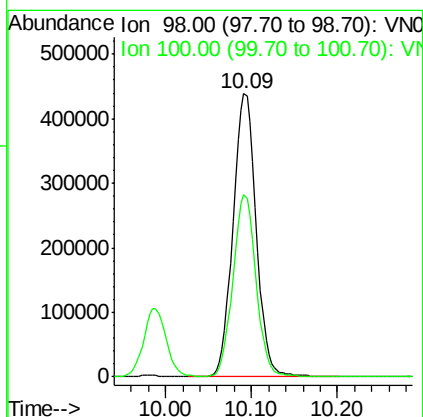
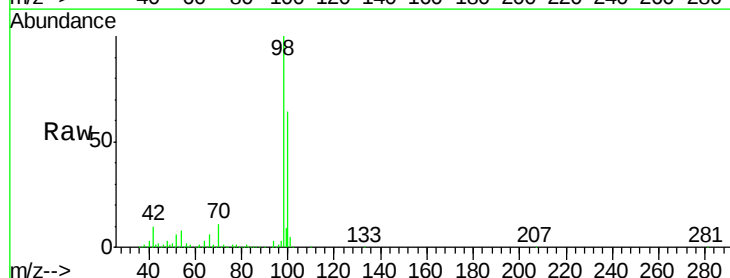
Instrument :
MSVOA_N
ClientSampled :

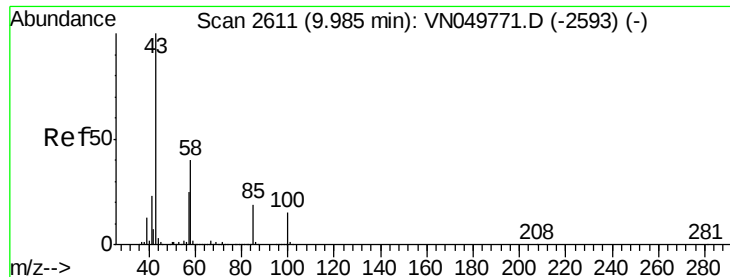
Tot Ion: 88 Resp: 59820
Ion Ratio Lower Upper
88 100
43 31.9 25.1 37.7
58 69.7 52.5 78.7



#50
Toluene-d8
Concen: 18.152 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion: 98 Resp: 818207
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5

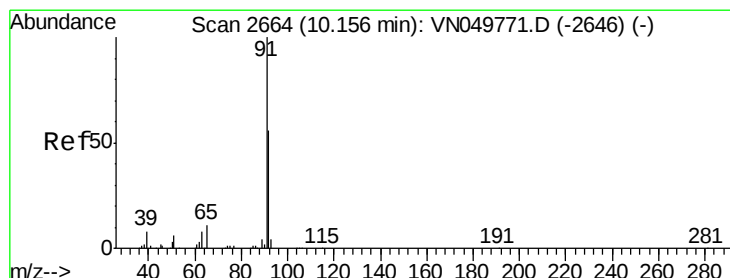
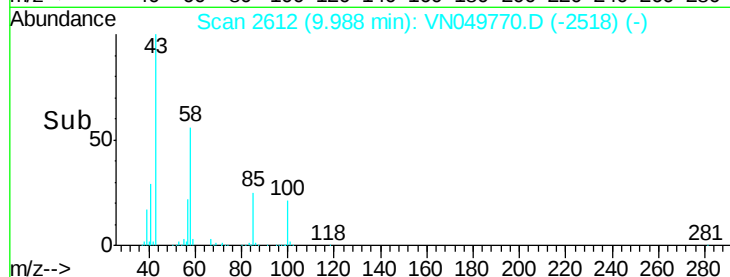
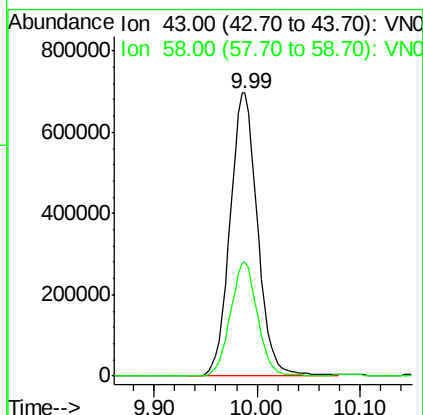
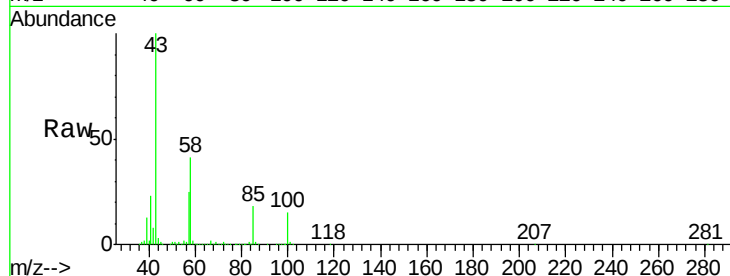




#51
4-Methyl-2-Pentanone
Concen: 110.872 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

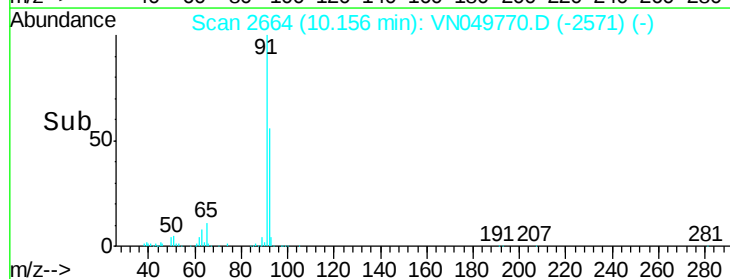
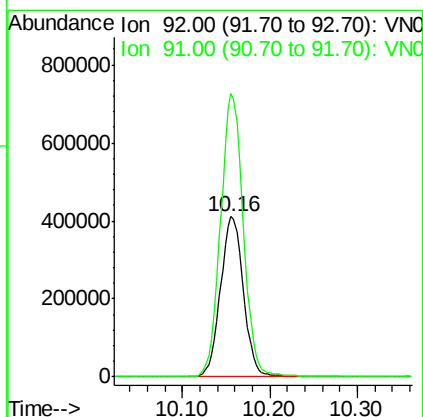
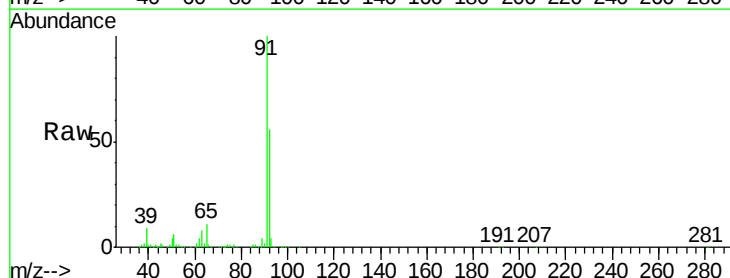
Instrument :
MSVOA_N
ClientSampleId :

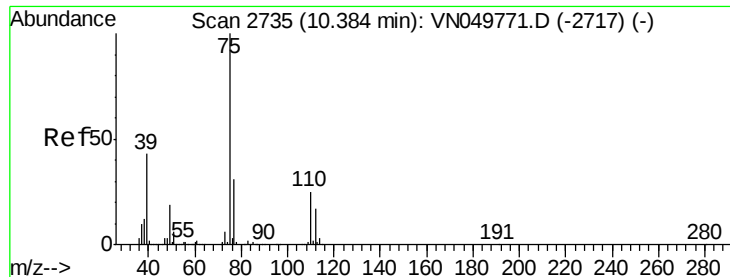
Tot Ion: 43 Resp: 1289400
Ion Ratio Lower Upper
43 100
58 40.1 31.8 47.8



#52
Toluene
Concen: 20.762 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion: 92 Resp: 748356
Ion Ratio Lower Upper
92 100
91 175.6 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 20.285 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

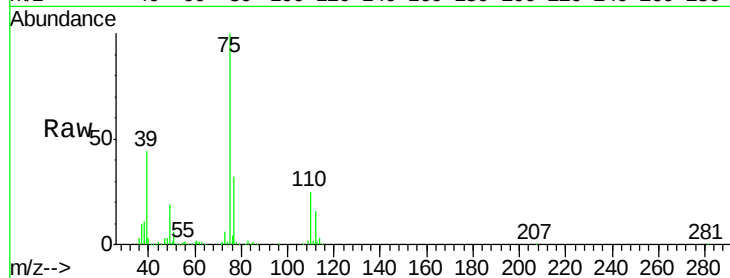
ClientSampled :

Tot Ion: 75 Resp: 413015

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

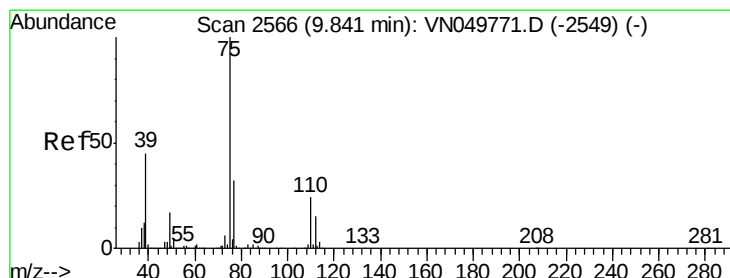
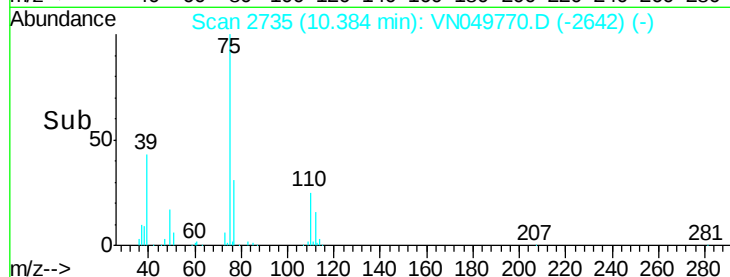
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.651 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

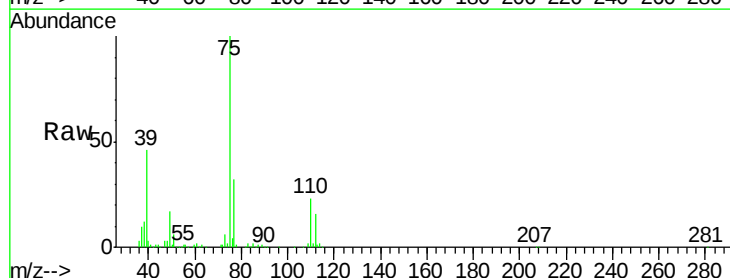
Tgt Ion: 75 Resp: 478931

Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

39 46.3 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

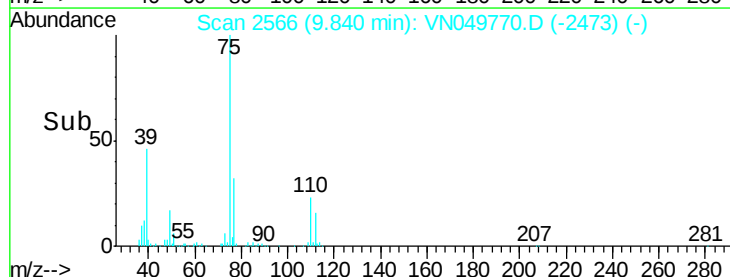
300000

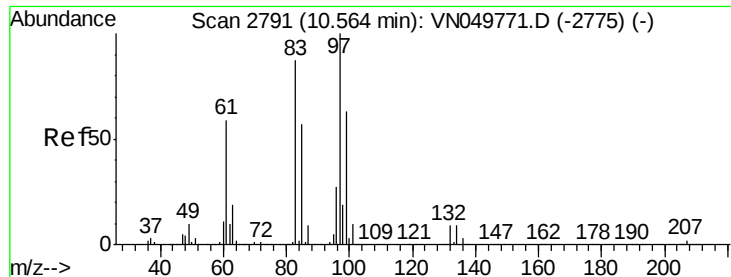
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.266 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 295326

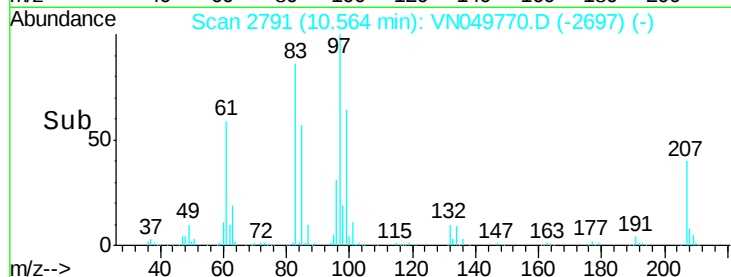
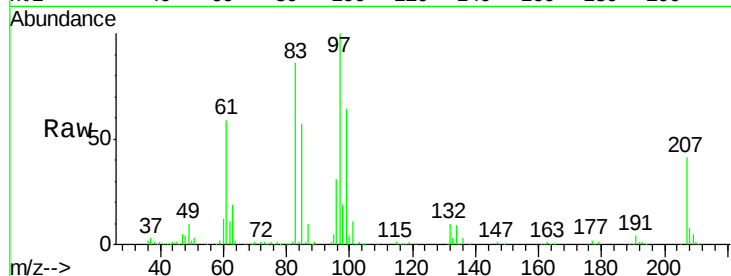
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.0	103.6
85	57.0	44.9	67.3
99	63.9	49.8	74.6

97 100

83 86.2 69.0 103.6

85 57.0 44.9 67.3

99 63.9 49.8 74.6



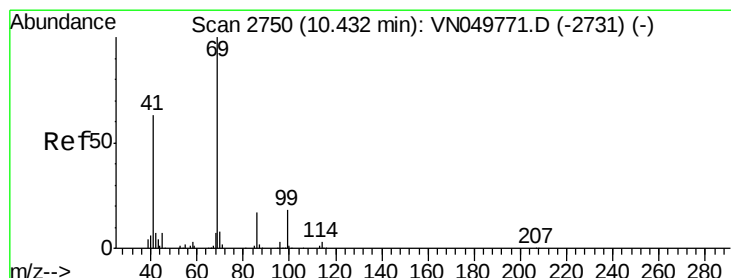
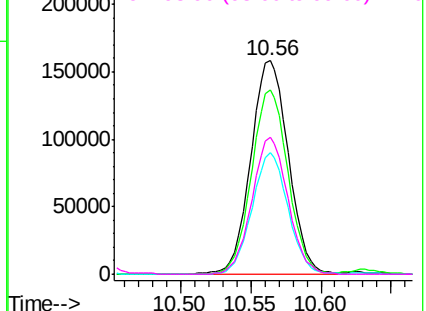
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.253 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

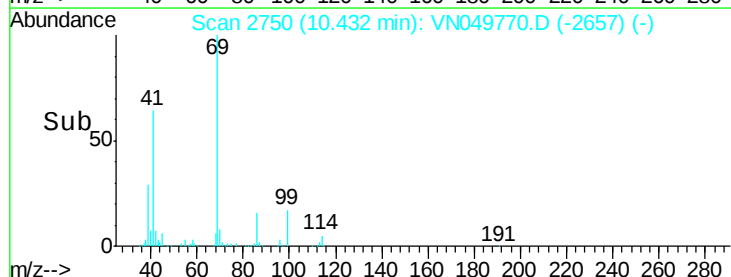
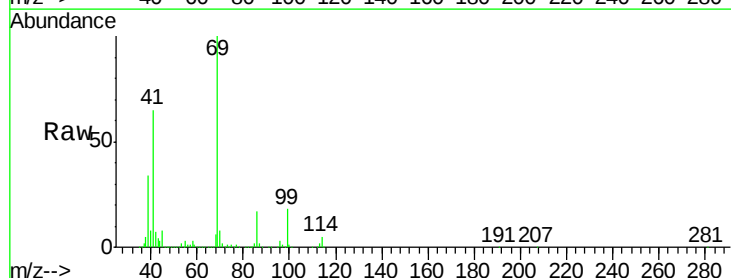
Tgt Ion: 69 Resp: 345784

Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.6	77.4
39	33.3	25.8	38.8

69 100

41 62.9 51.6 77.4

39 33.3 25.8 38.8

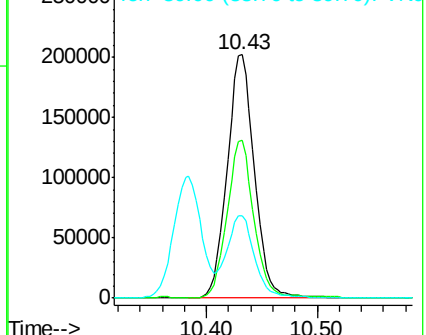


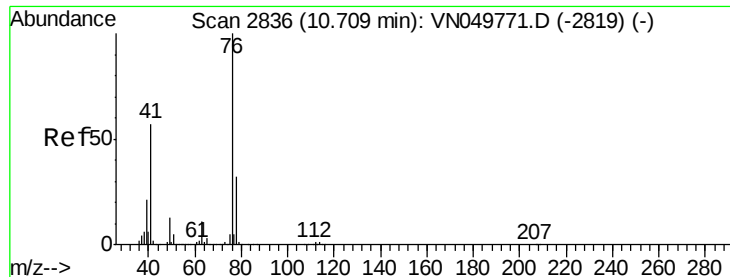
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.318 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

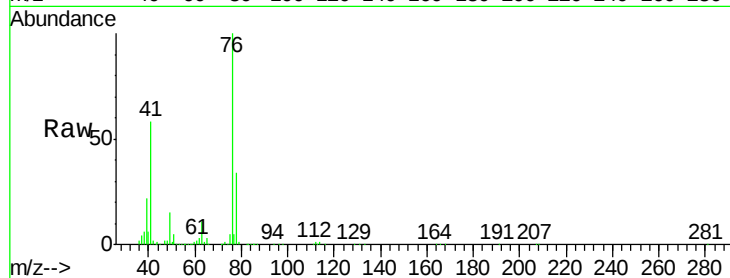
ClientSampleId :

Tot Ion: 76 Resp: 466559

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN049770.D (-2743) (-)

Ion 77.90 (77.60 to 78.60): VN049770.D (-2743) (-)

10.71

250000

200000

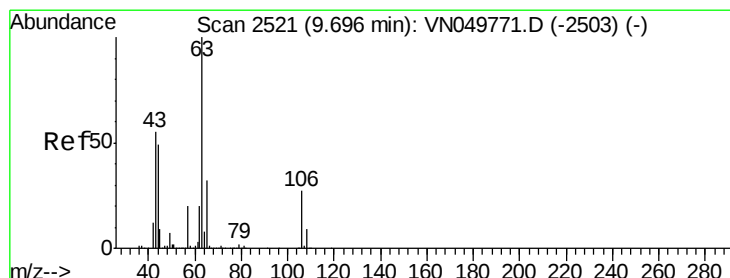
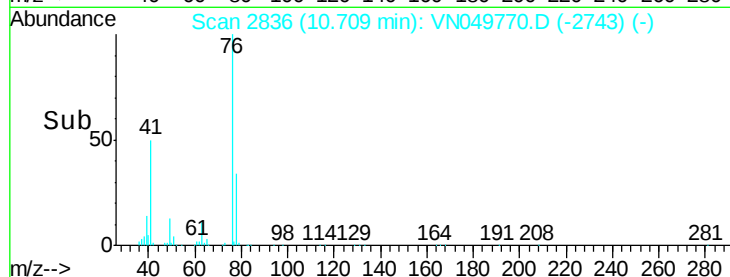
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 109.078 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN049770.D

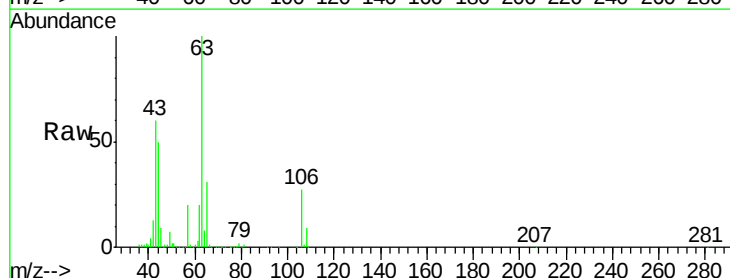
Acq: 12 Jul 2018 11:39

Tgt Ion: 63 Resp: 851118

Ion Ratio Lower Upper

63 100

106 27.0 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN049770.D (-2428) (-)

Ion 105.90 (105.60 to 106.60): VN049770.D (-2428) (-)

9.70

500000

400000

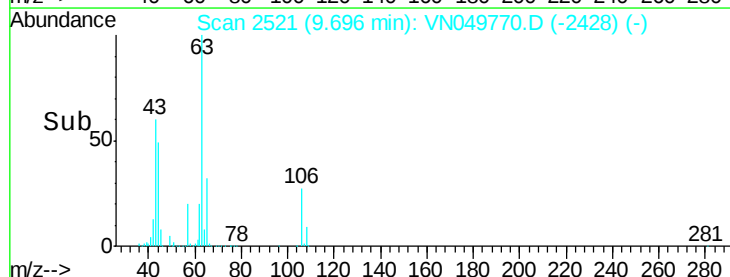
300000

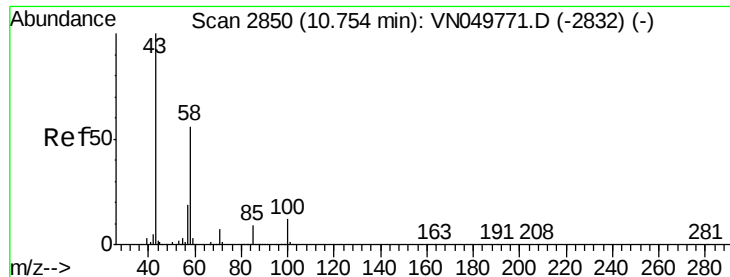
200000

100000

0

Time--> 9.60 9.70 9.80

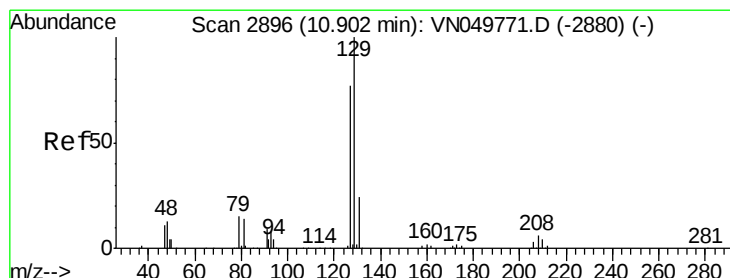
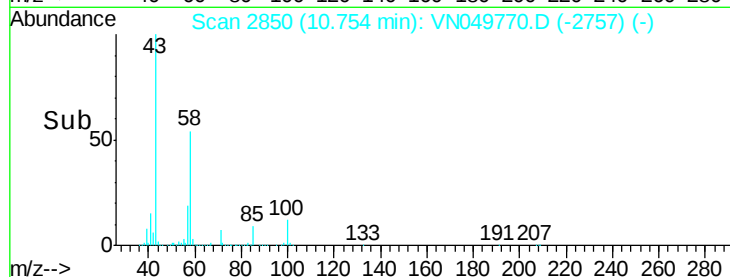
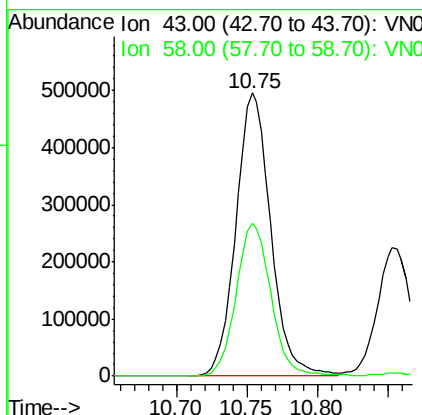
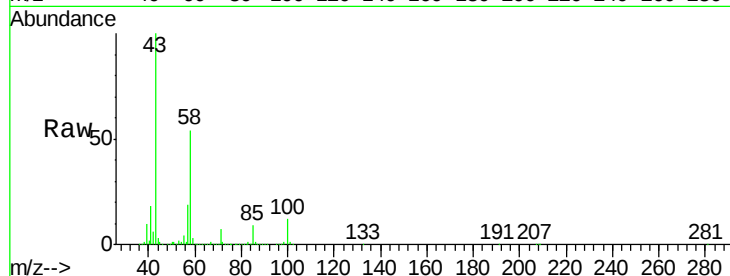




#59
2-Hexanone
Concen: 110.259 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

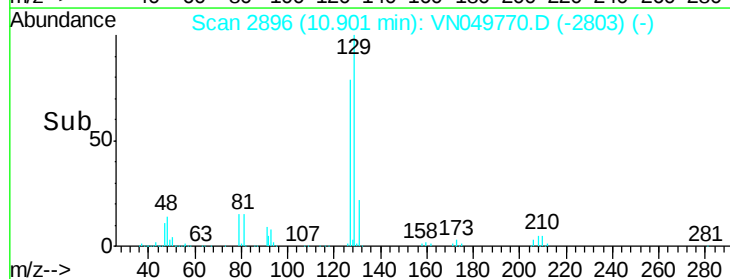
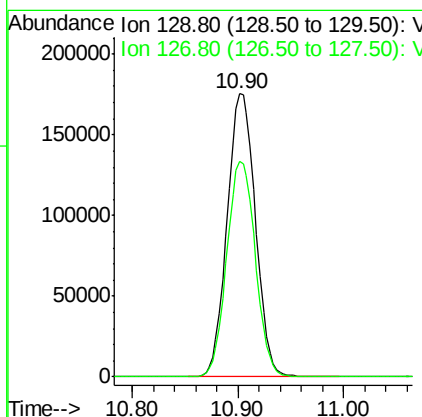
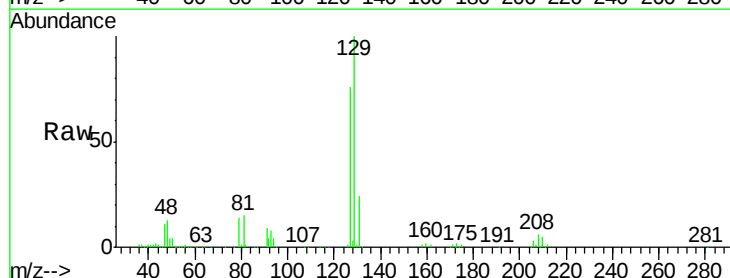
Instrument :
MSVOA_N
ClientSampleId :

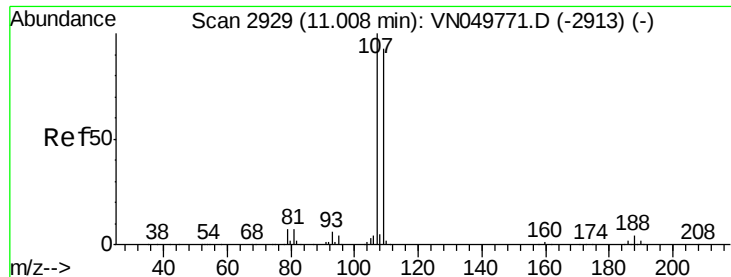
Tot Ion: 43 Resp: 852441
Ion Ratio Lower Upper
43 100
58 54.4 27.8 83.4



#60
Dibromochloromethane
Concen: 20.634 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion: 129 Resp: 325807
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.540 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

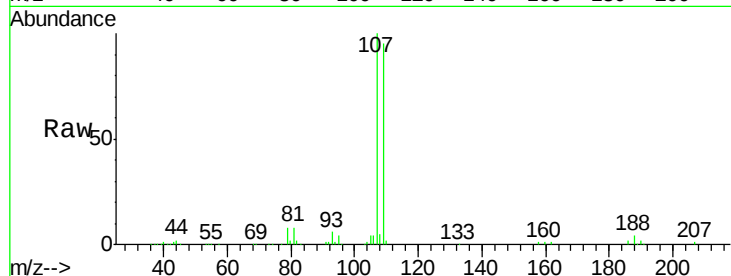
ClientSampleId :

Tot Ion:107 Resp: 269418

Ion Ratio Lower Upper

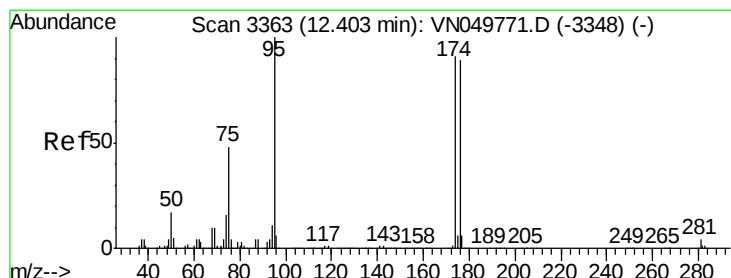
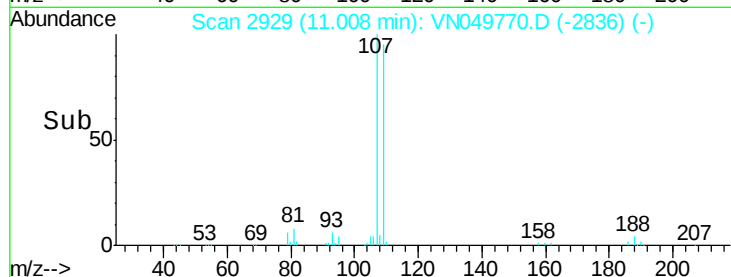
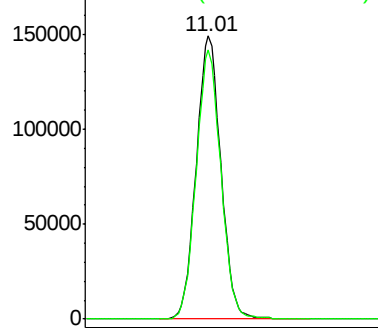
107 100

109 95.2 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 17.930 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

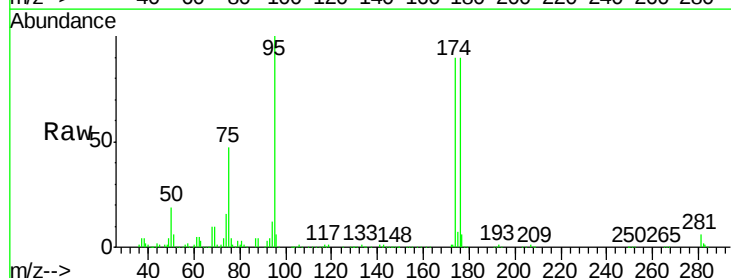
Tgt Ion: 95 Resp: 288656

Ion Ratio Lower Upper

95 100

174 90.7 0.0 179.6

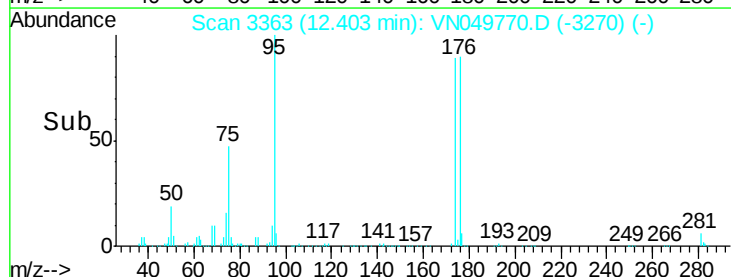
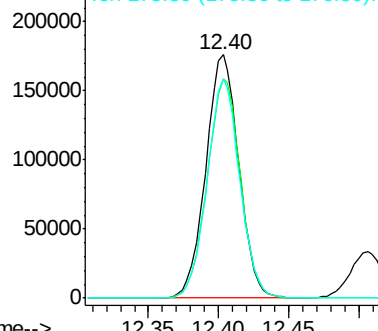
176 89.0 0.0 174.0

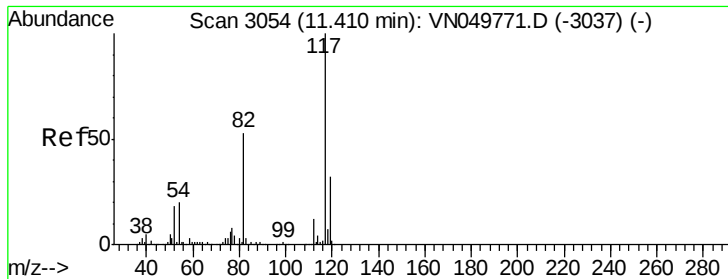


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

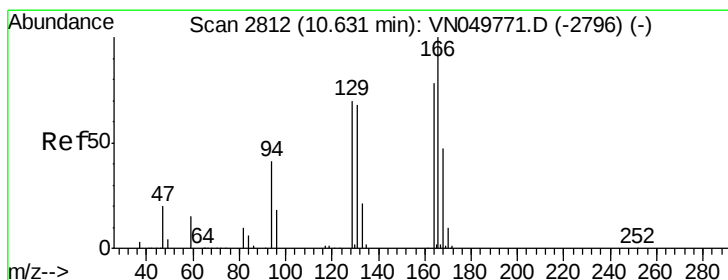
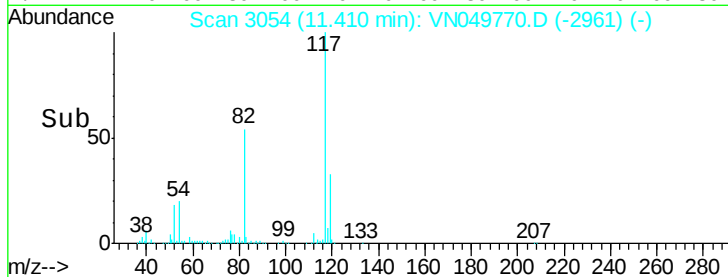
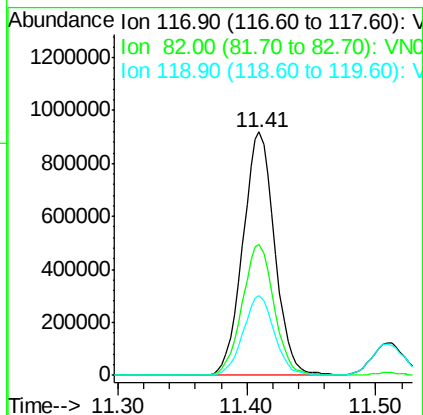
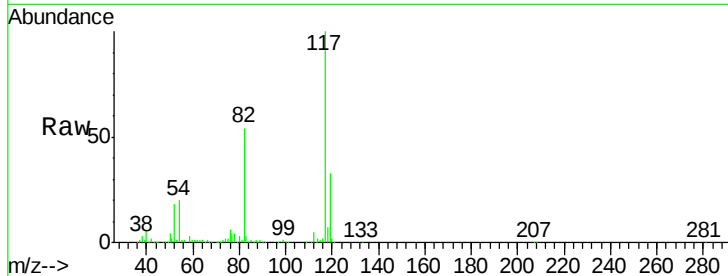




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

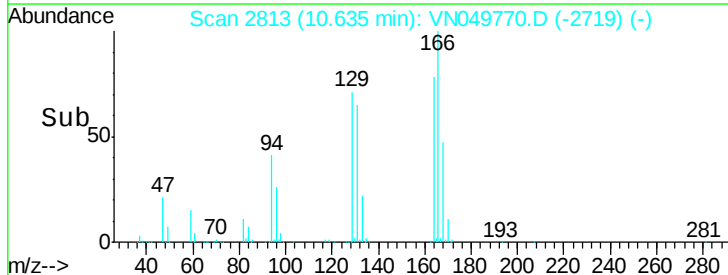
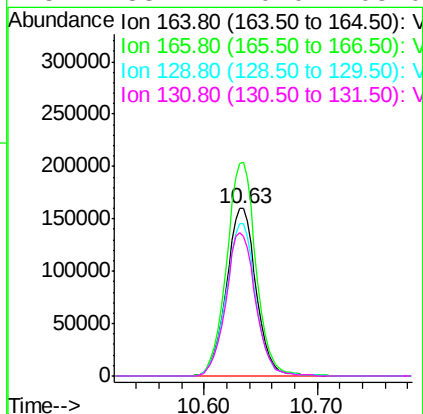
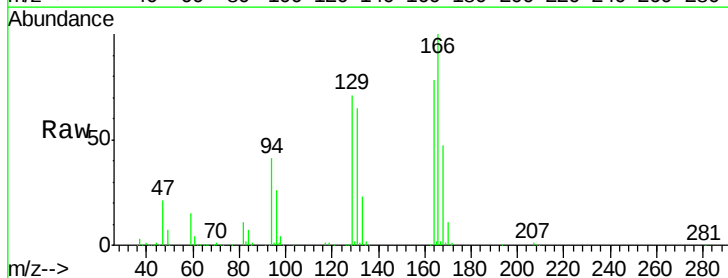
Instrument :
MSVOA_N
ClientSampleId :

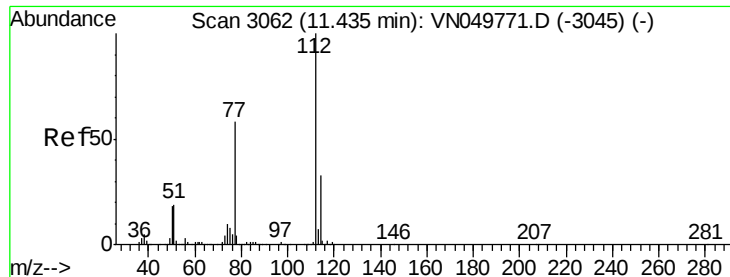
Tot Ion:117 Resp: 1577252
Ion Ratio Lower Upper
117 100
82 53.8 41.9 62.9
119 32.8 25.4 38.2



#64
Tetrachloroethene
Concen: 20.347 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion:164 Resp: 291393
Ion Ratio Lower Upper
164 100
166 127.5 101.8 152.6
129 90.8 72.8 109.2
131 83.1 70.0 105.0





#65

Chlorobenzene

Concen: 19.967 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

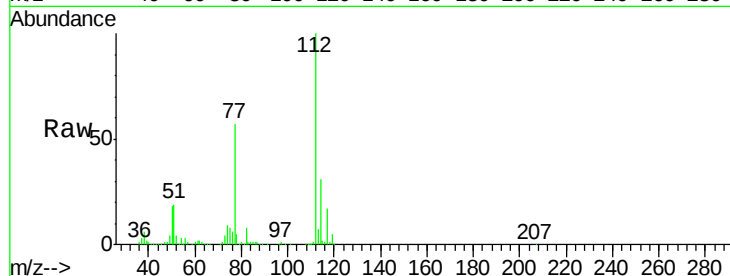
ClientSampled :

Tot Ion:112 Resp: 820433

Ion Ratio Lower Upper

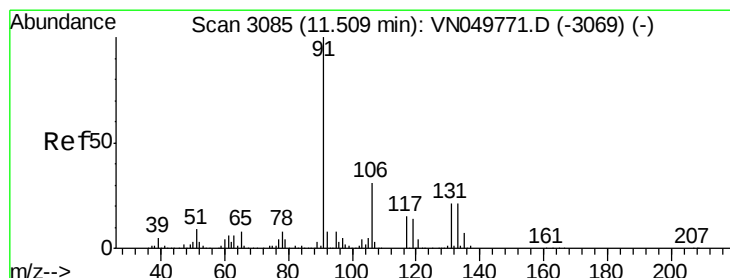
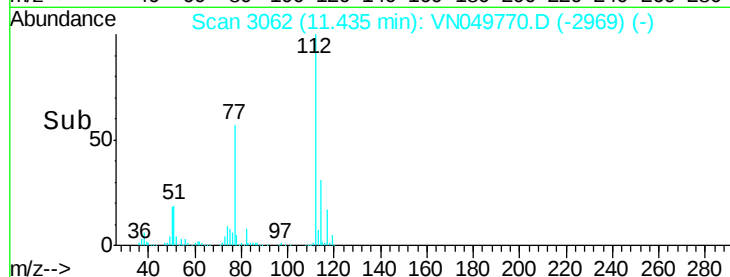
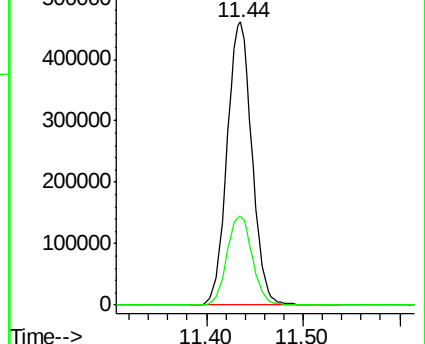
112 100

114 31.3 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.444 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

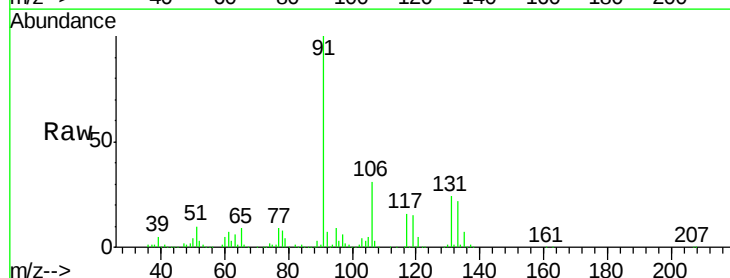
Tgt Ion:131 Resp: 316046

Ion Ratio Lower Upper

131 100

133 95.4 47.5 142.6

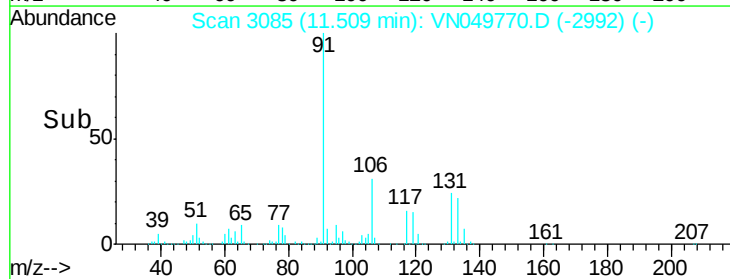
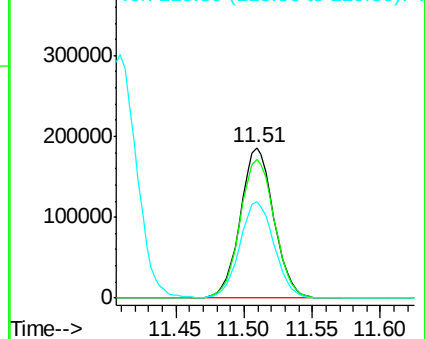
119 66.1 33.1 99.3

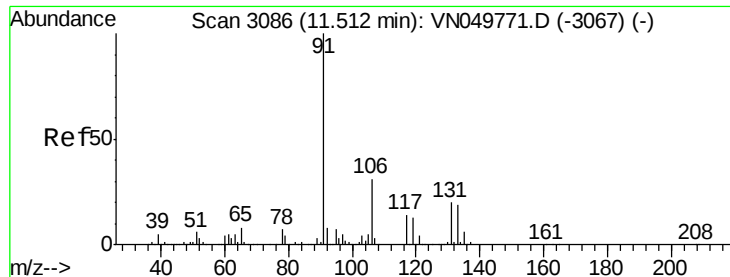


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.373 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

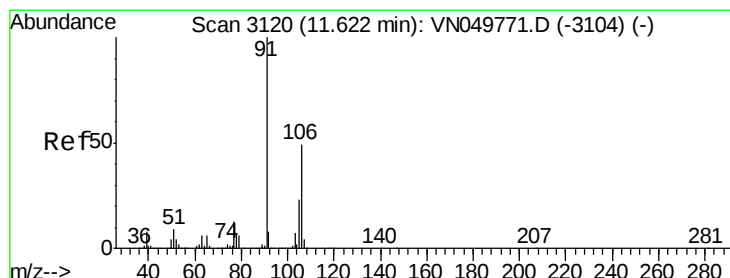
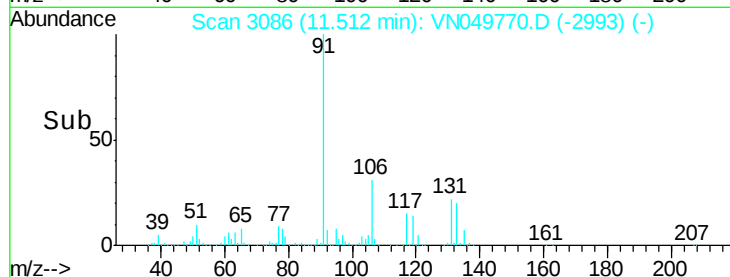
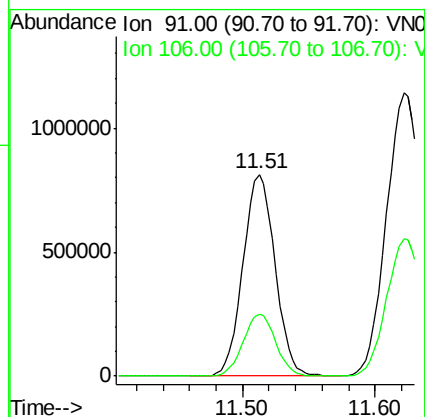
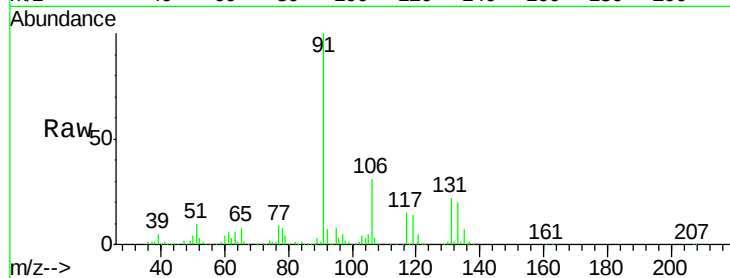
ClientSampled :

Tot Ion: 91 Resp: 1370797

Ion Ratio Lower Upper

91 100

106 30.8 24.8 37.2



#68

m/p-Xylenes

Concen: 42.004 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049770.D

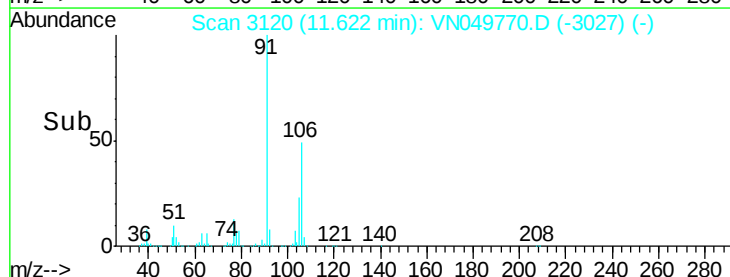
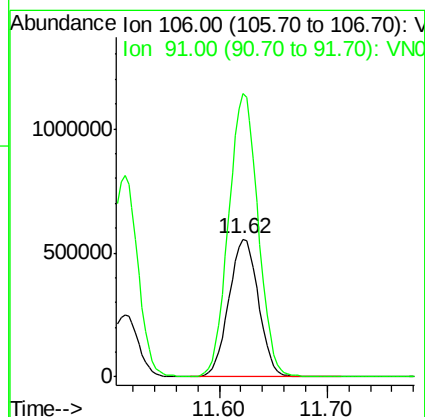
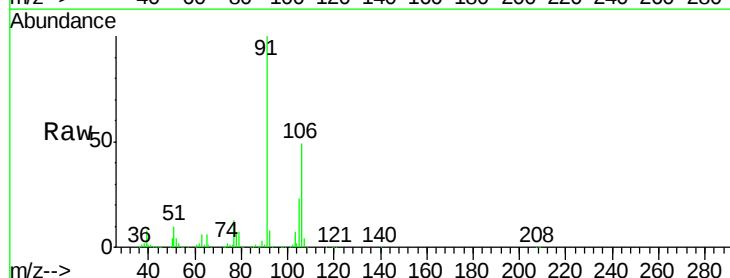
Acq: 12 Jul 2018 11:39

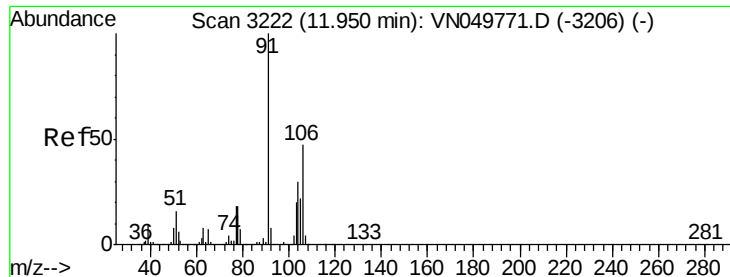
Tgt Ion: 106 Resp: 1060807

Ion Ratio Lower Upper

106 100

91 204.4 163.4 245.2

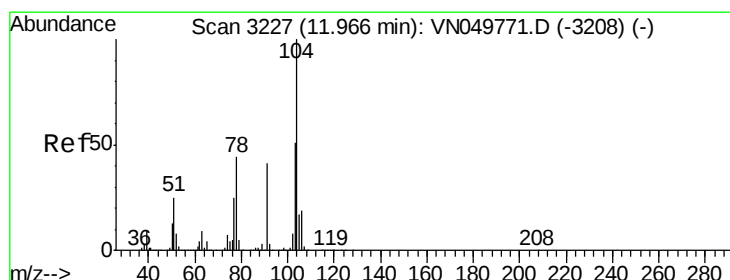
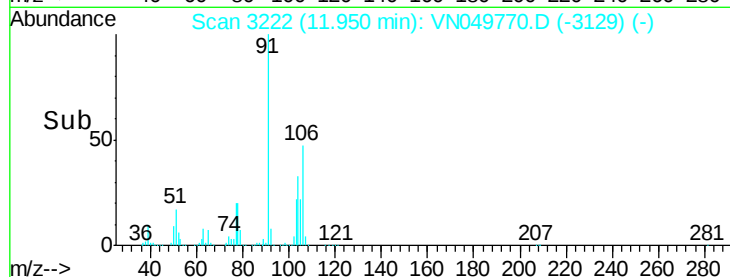
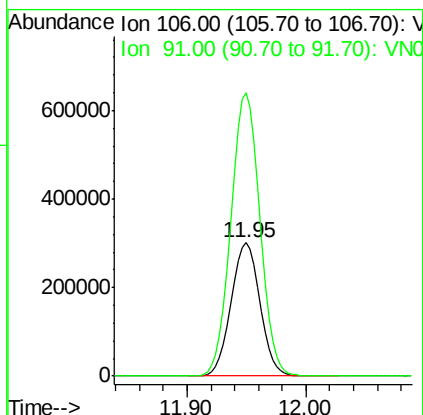
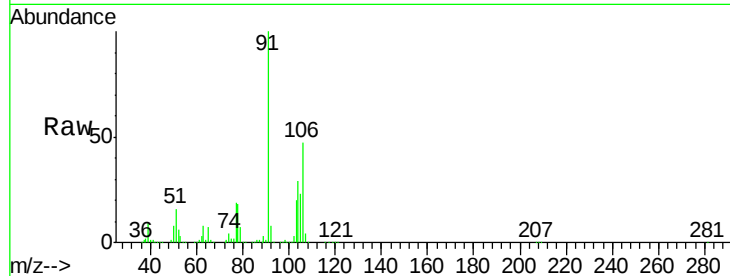




#69
o-Xylene
Concen: 20.785 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

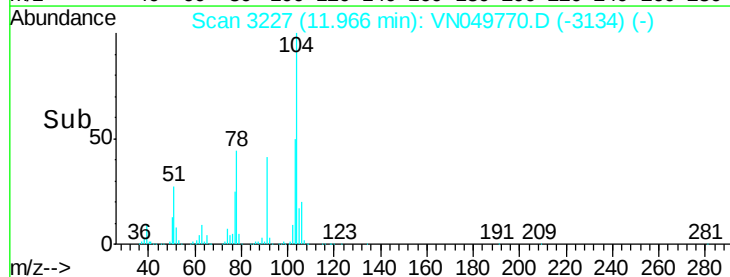
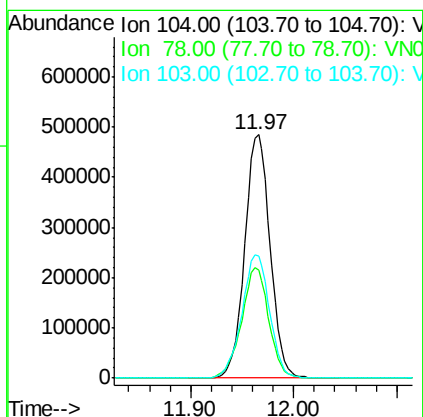
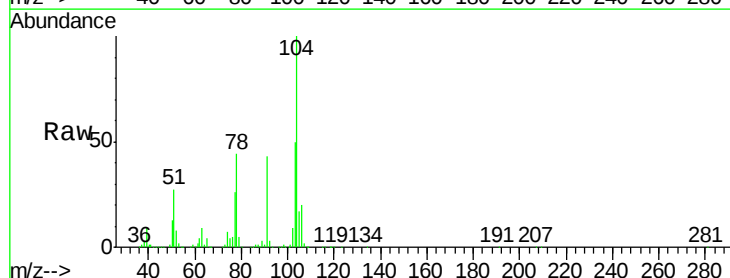
Instrument :
MSVOA_N
ClientSampled :

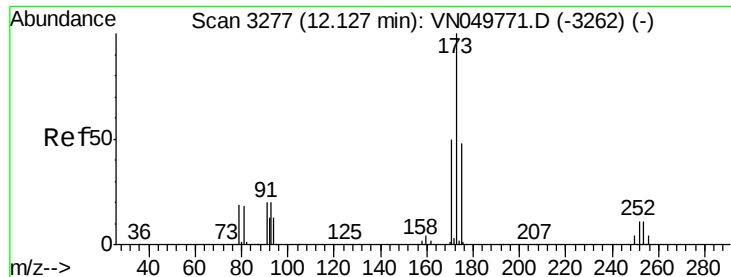
Tot Ion:106 Resp: 507090
Ion Ratio Lower Upper
106 100
91 213.5 108.7 326.1



#70
Styrene
Concen: 21.380 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049770.D
Acq: 12 Jul 2018 11:39

Tgt Ion:104 Resp: 828570
Ion Ratio Lower Upper
104 100
78 48.8 39.2 58.8
103 55.5 44.6 67.0





#71

Bromoform

Concen: 21.303 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

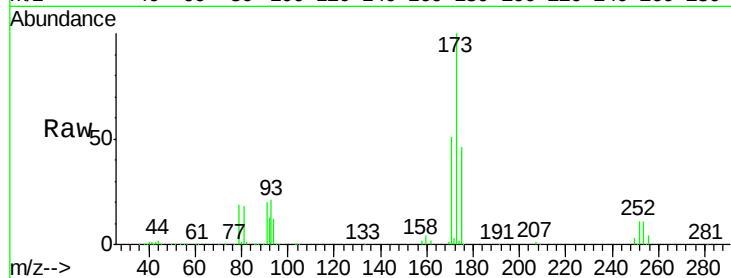
Tot Ion:173 Resp: 222516

Ion Ratio Lower Upper

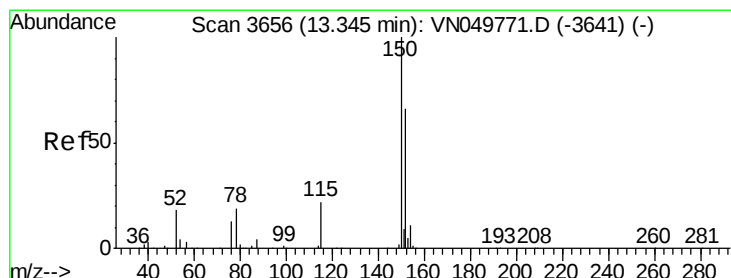
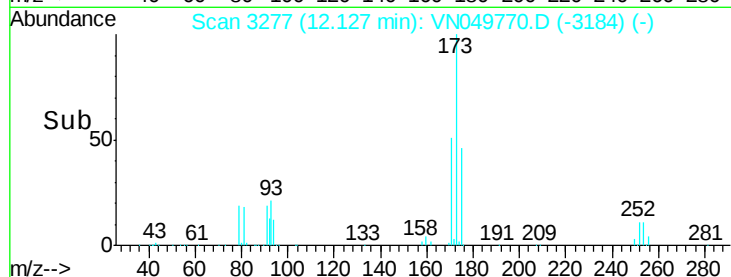
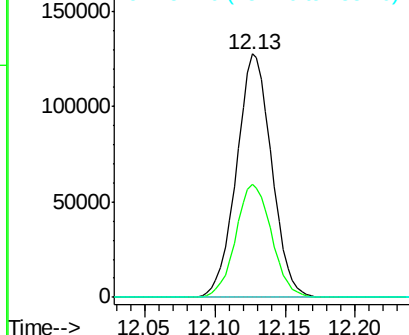
173 100

175 47.3 24.6 73.8

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

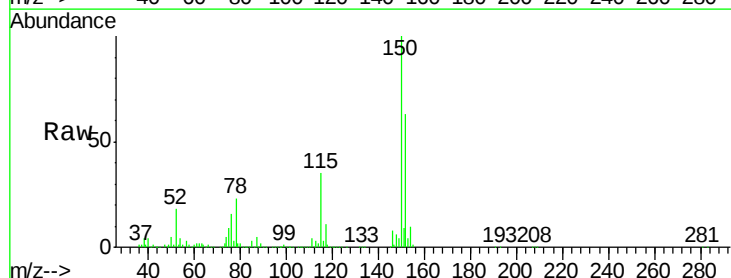
Tgt Ion:152 Resp: 811320

Ion Ratio Lower Upper

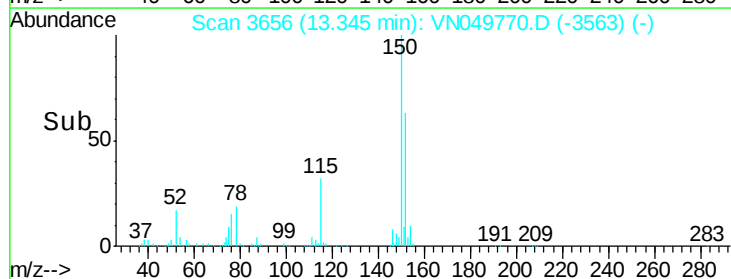
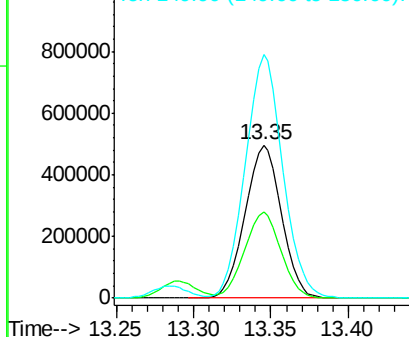
152 100

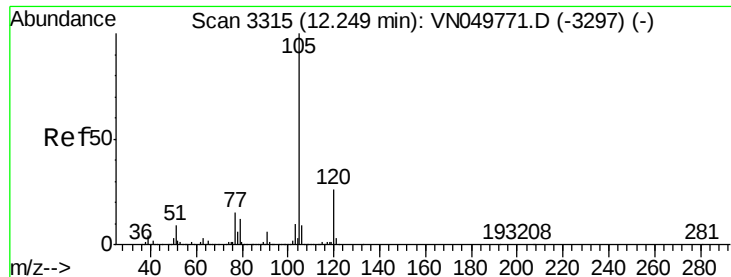
115 56.3 28.1 84.2

150 164.4 0.0 347.6



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: 20.441 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

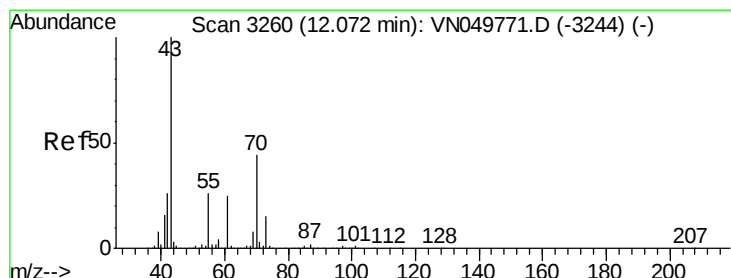
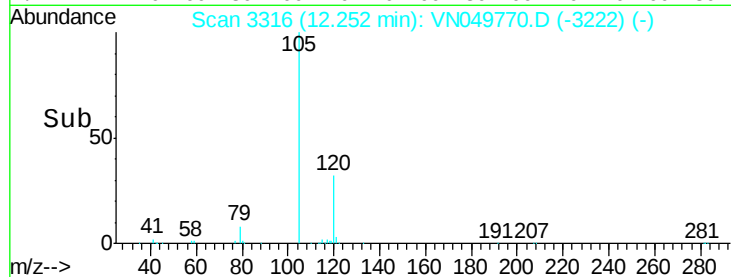
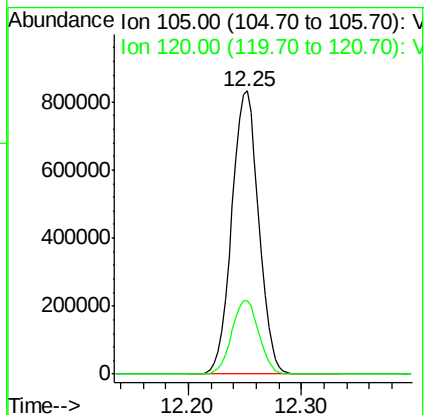
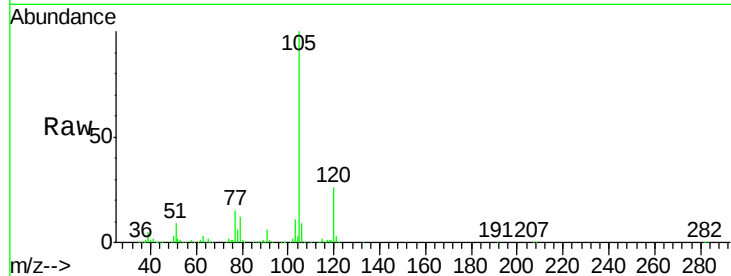
ClientSampleId :

Tot Ion: 105 Resp: 1378239

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



#74

N-ethyl acetate

Concen: 21.035 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion: 43 Resp: 368969

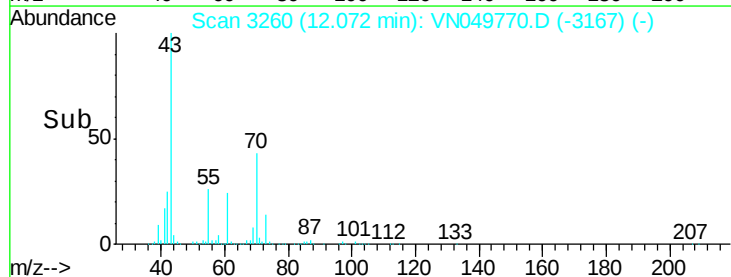
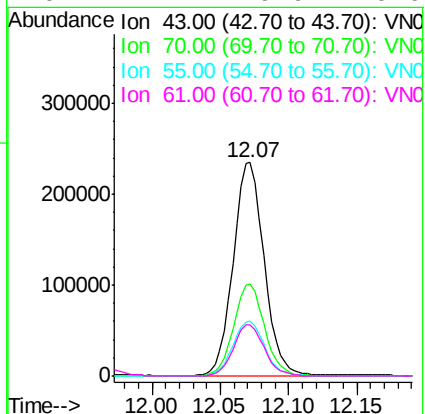
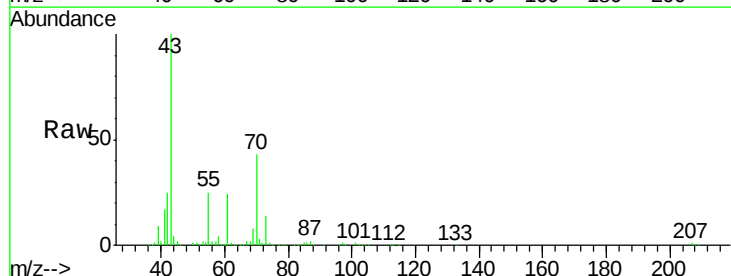
Ion Ratio Lower Upper

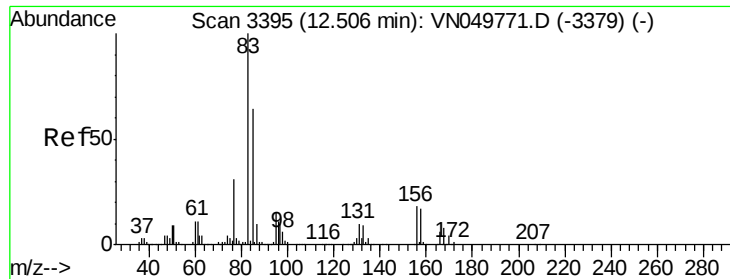
43 100

70 43.1 34.8 52.2

55 26.5 20.9 31.3

61 24.4 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.224 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

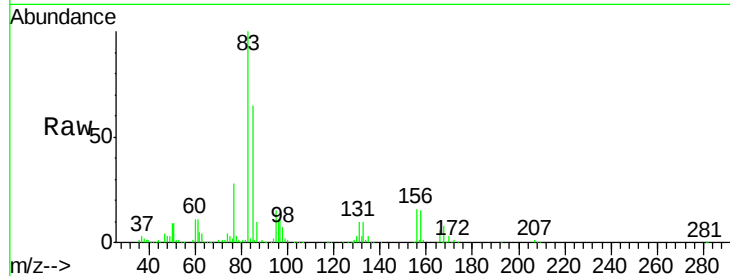
Tot Ion: 83 Resp: 362277

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

85 64.6 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN049770.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN049770.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN049770.D (-3379) (-)

12.51

200000

150000

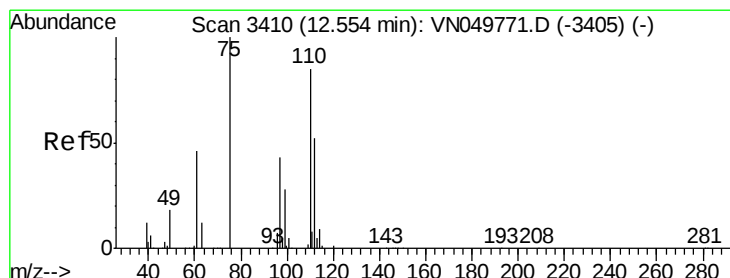
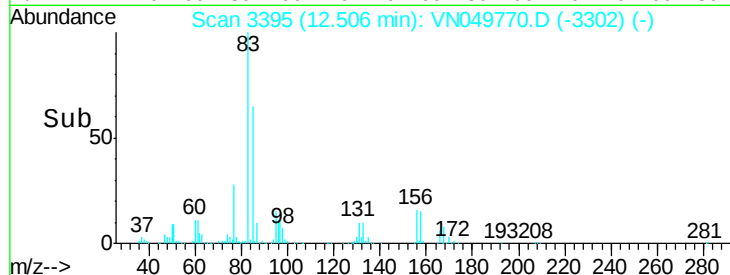
100000

50000

0

Time-->

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 29.437 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049770.D

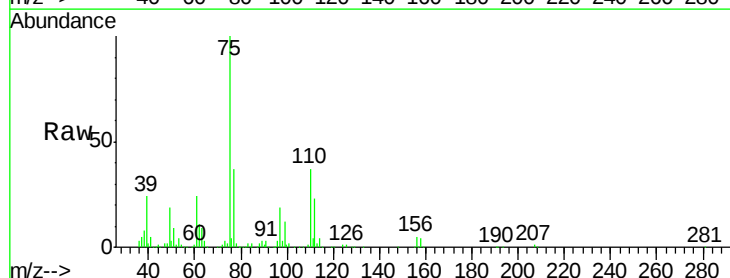
Acq: 12 Jul 2018 11:39

Tgt Ion: 75 Resp: 424282

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049770.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049770.D (-3317) (-)

12.56

300000

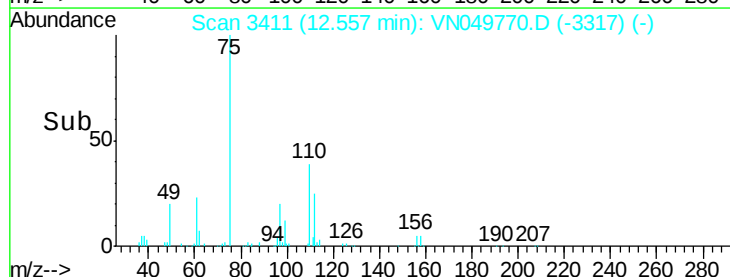
200000

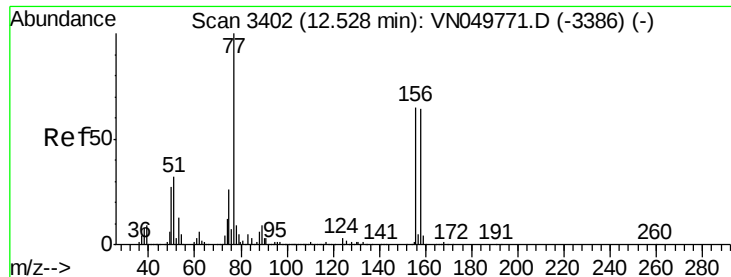
100000

0

Time-->

12.40 12.50 12.60





#77

Bromobenzene

Concen: 19.645 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

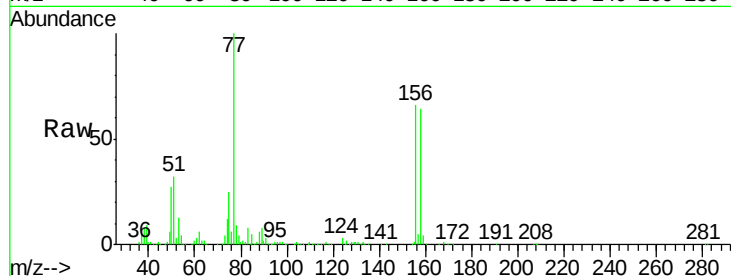
Tot Ion:156 Resp: 351398

Ion Ratio Lower Upper

156 100

77 180.9 90.2 270.6

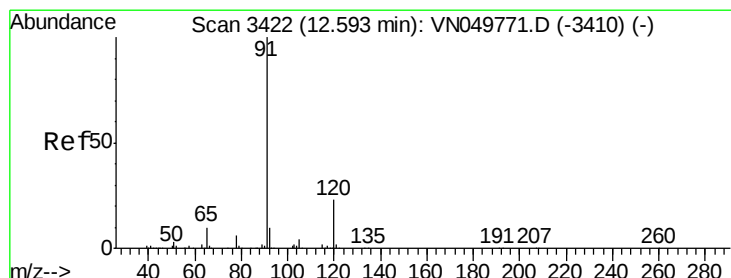
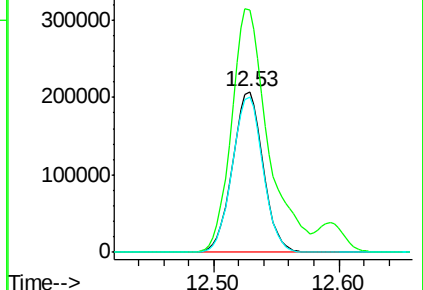
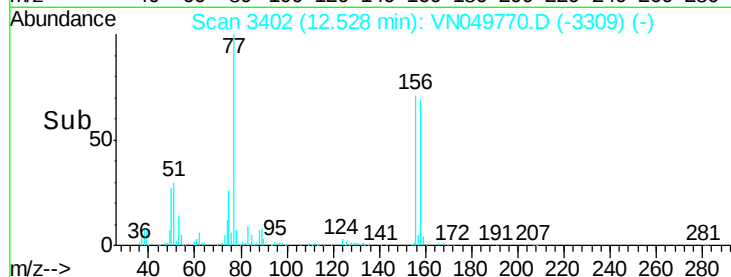
158 97.2 49.1 147.3



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: 20.522 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049770.D

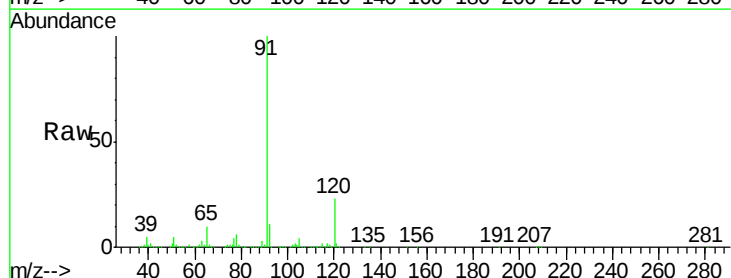
Acq: 12 Jul 2018 11:39

Tgt Ion: 91 Resp: 1560092

Ion Ratio Lower Upper

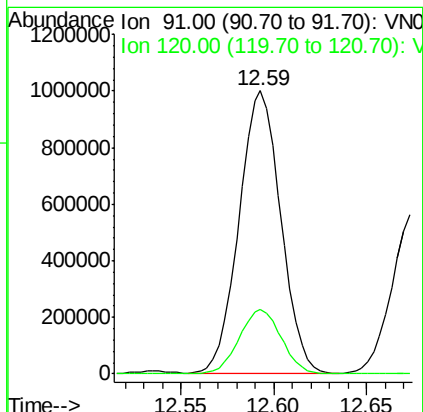
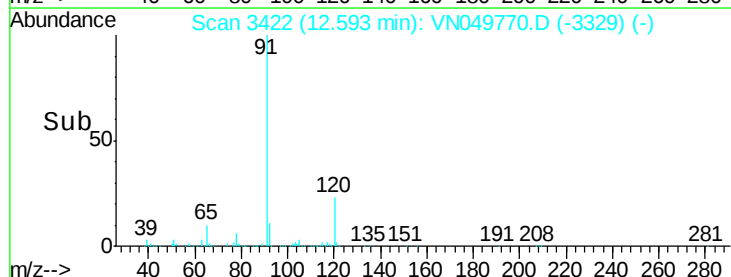
91 100

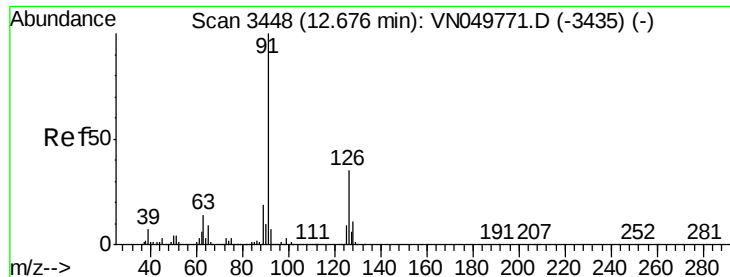
120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

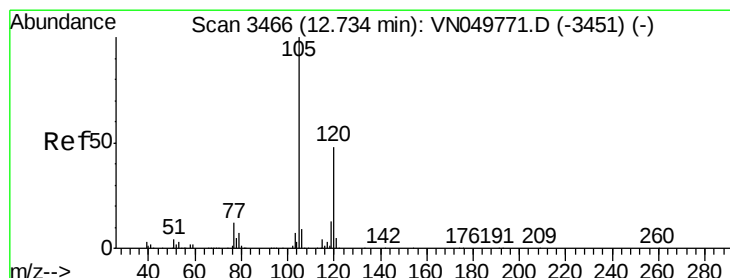
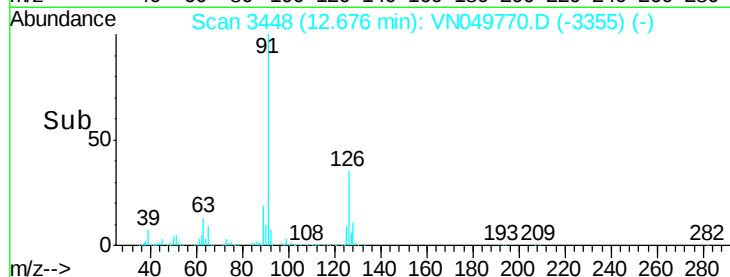
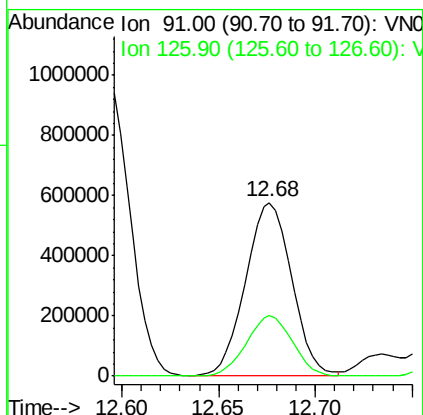
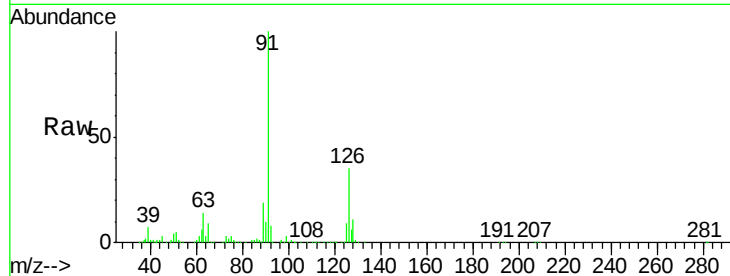




#79
 2-Chlorotoluene
 Concen: 20.540 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

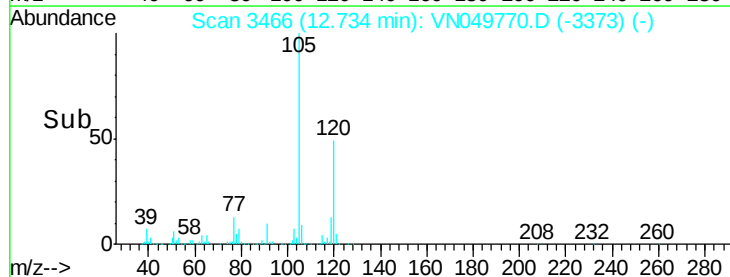
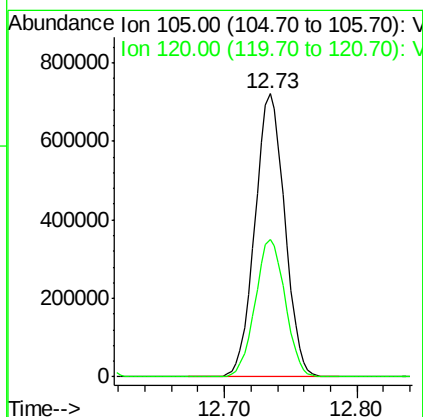
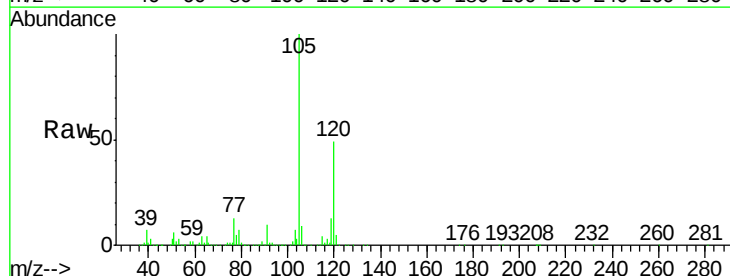
Instrument :
 MSVOA_N
 ClientSampled :

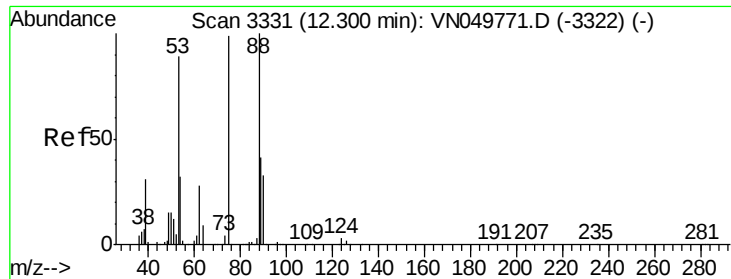
Tot Ion: 91 Resp: 955616
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.975 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Tgt Ion: 105 Resp: 1123891
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.044 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

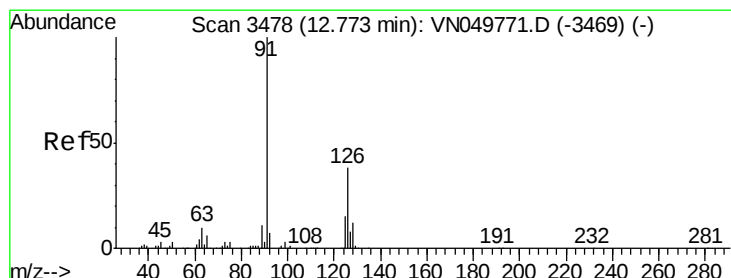
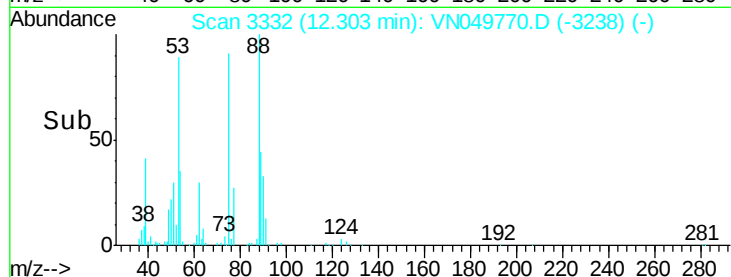
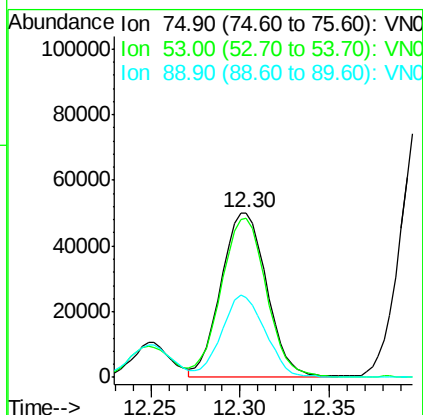
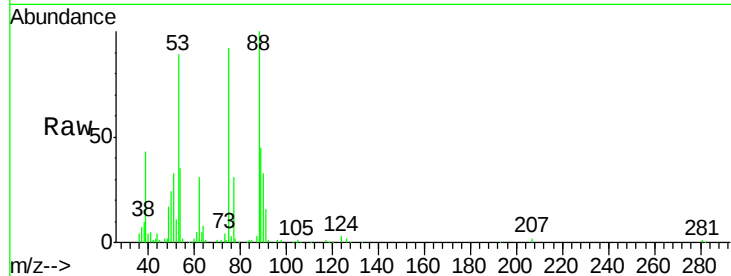
Tot Ion: 75 Resp: 89460

Ion Ratio Lower Upper

75 100

53 95.1 73.9 110.9

89 47.3 35.9 53.9



#82

4-Chlorotoluene

Concen: 20.856 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049770.D

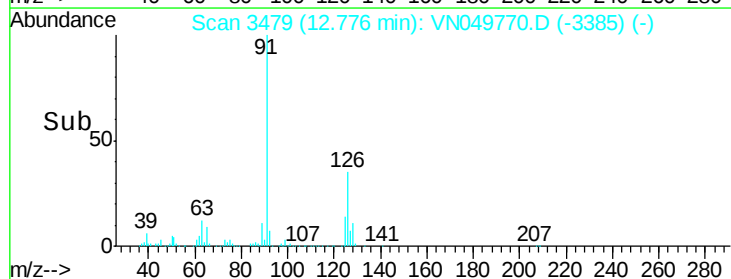
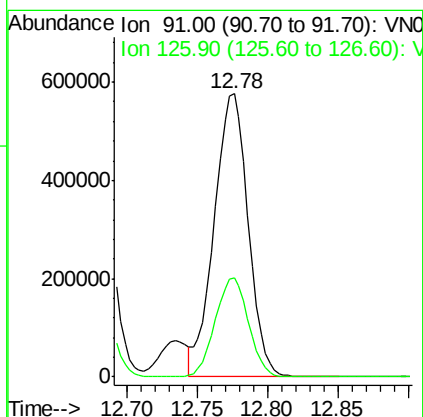
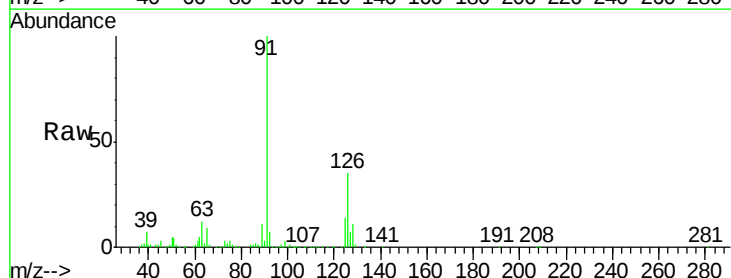
Acq: 12 Jul 2018 11:39

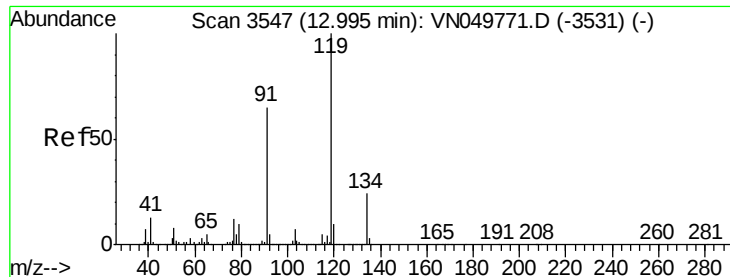
Tgt Ion: 91 Resp: 962404

Ion Ratio Lower Upper

91 100

126 34.3 17.2 51.6





#83

tert-Butylbenzene

Concen: 20.292 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

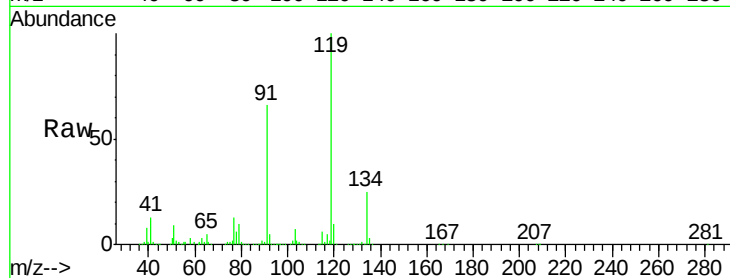
Tot Ion:119 Resp: 972836

Ion Ratio Lower Upper

119 100

91 64.5 32.0 96.2

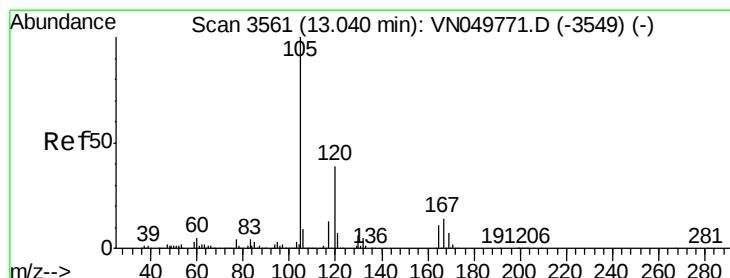
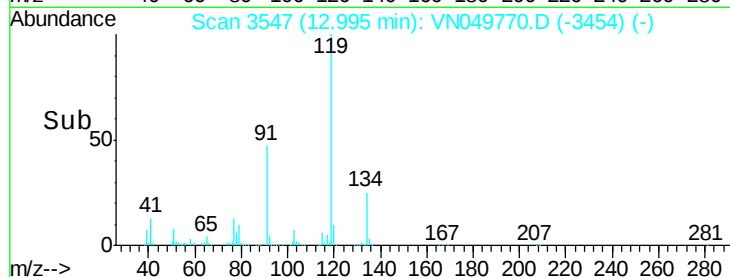
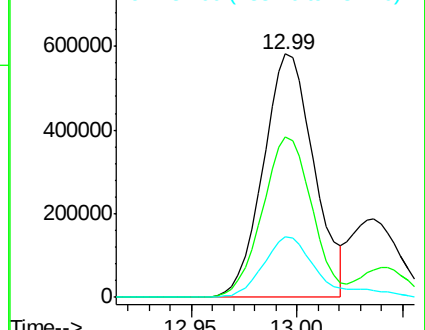
134 27.0 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.379 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049770.D

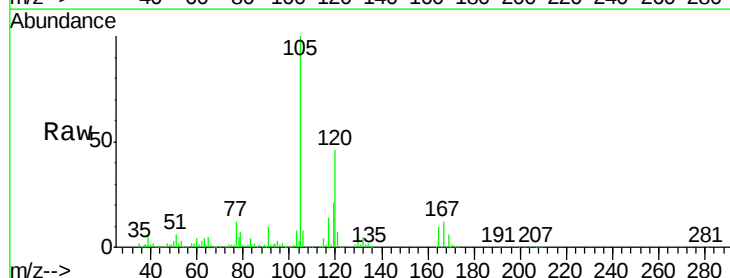
Acq: 12 Jul 2018 11:39

Tgt Ion:105 Resp: 1148840

Ion Ratio Lower Upper

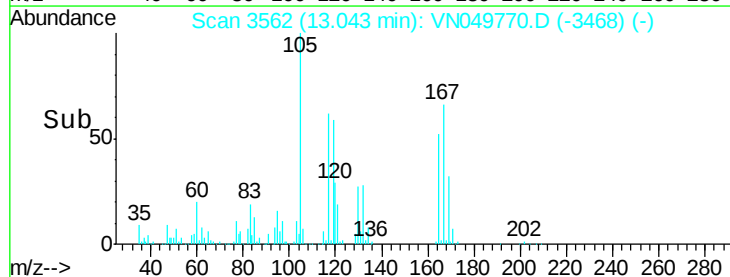
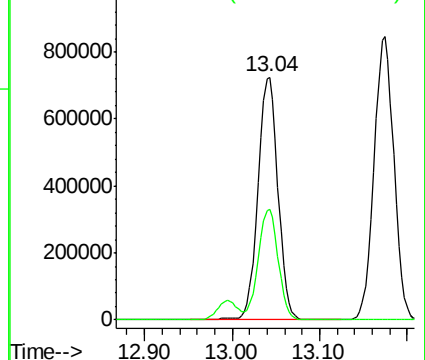
105 100

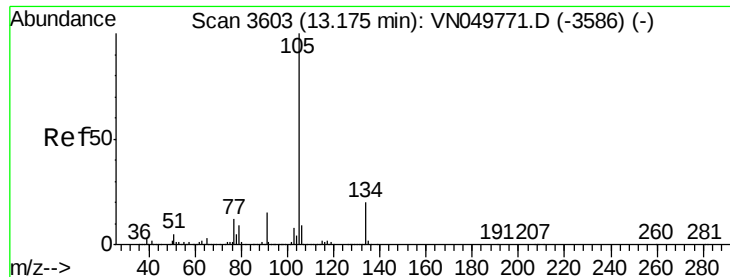
120 45.3 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.094 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

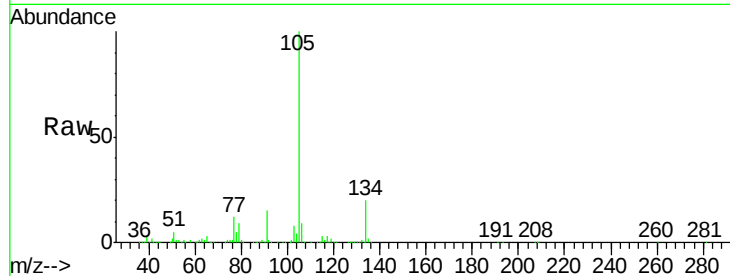
ClientSampleId :

Tot Ion:105 Resp: 1325360

Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

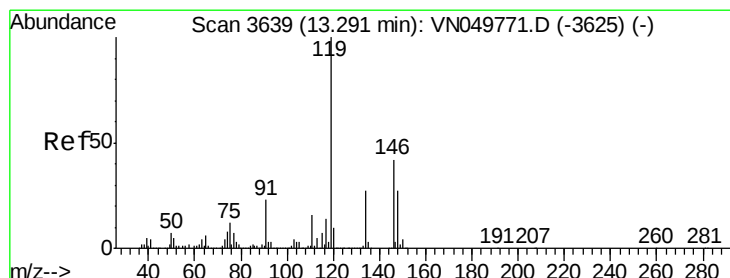
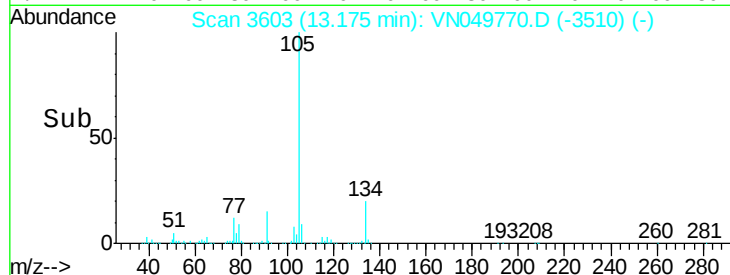
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 21.239 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

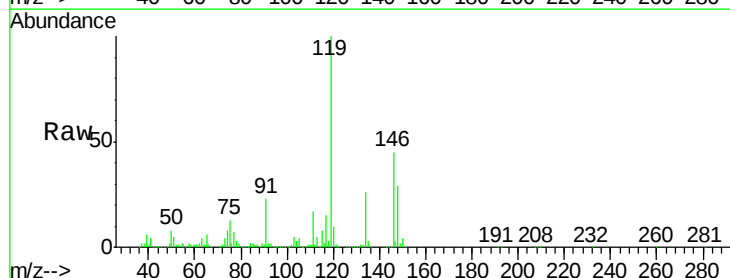
Tgt Ion:119 Resp: 1129278

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.9

91 23.1 11.4 34.1



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

1000000

800000

600000

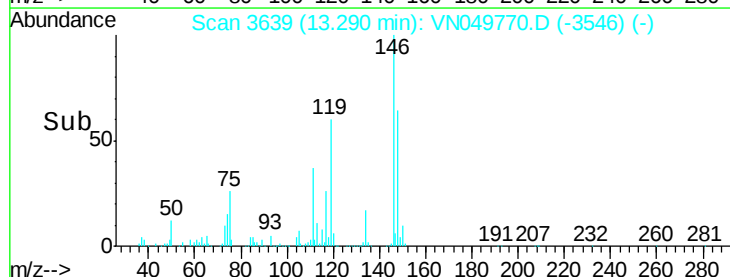
400000

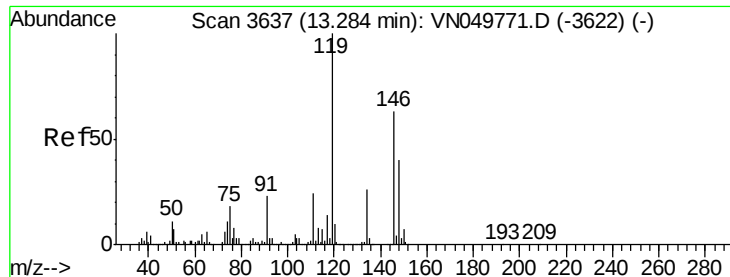
200000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.249 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

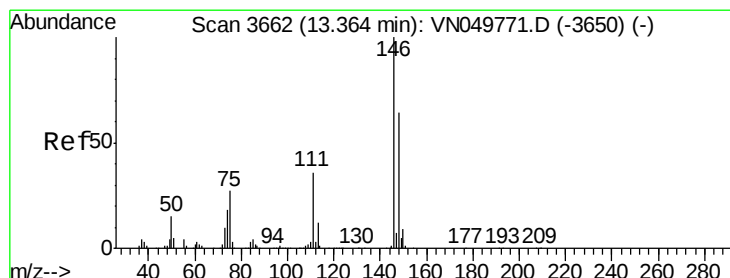
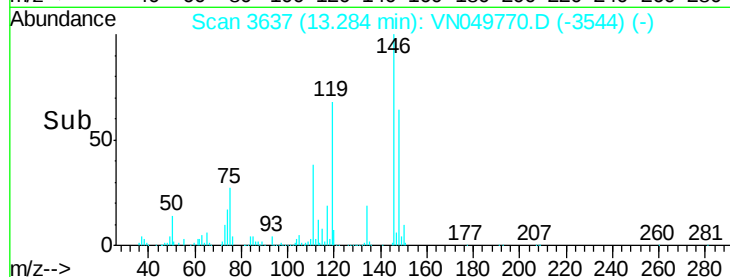
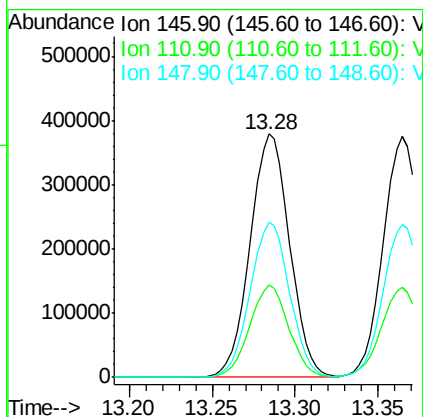
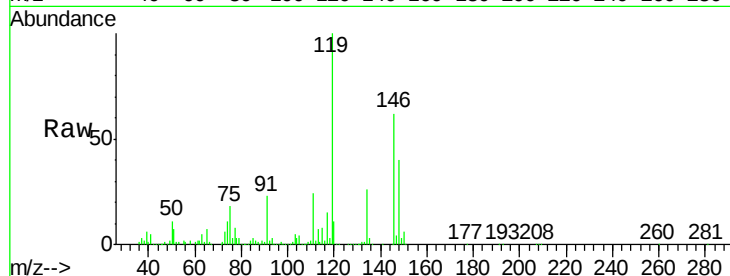
Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:146 Resp: 627982

Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.0	57.0
148	63.8	32.5	97.5



#88

1,4-Dichlorobenzene

Concen: 20.027 ug/l

RT: 13.36 min Scan# 3662

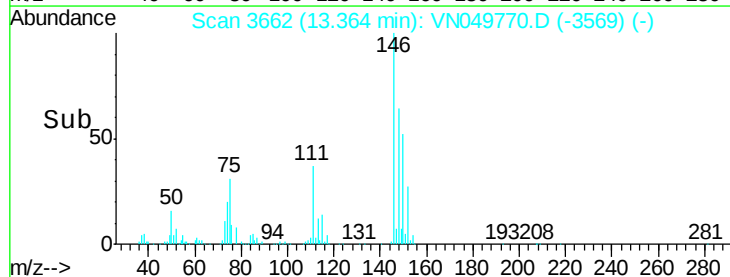
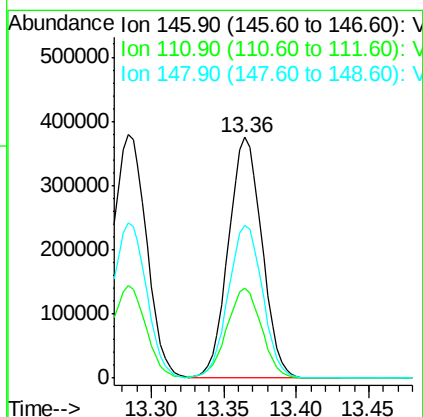
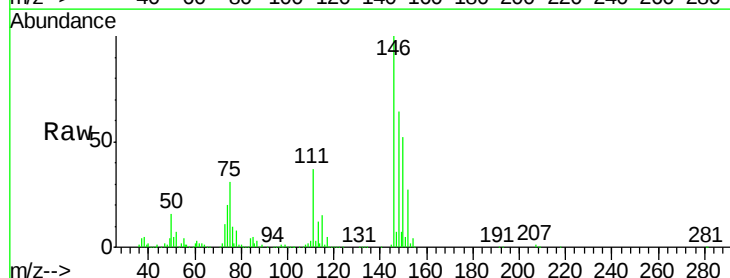
Delta R.T. -0.00 min

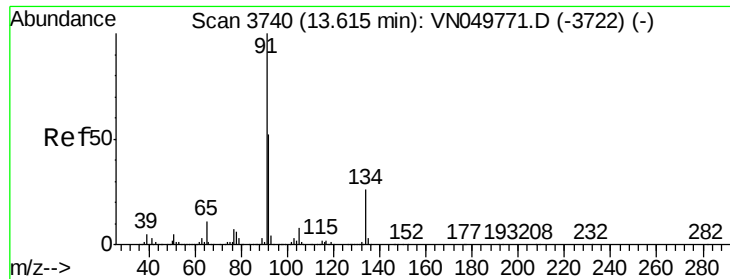
Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion:146 Resp: 603797

Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	64.5	32.1	96.3





#89

n-Butylbenzene

Concen: 20.335 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

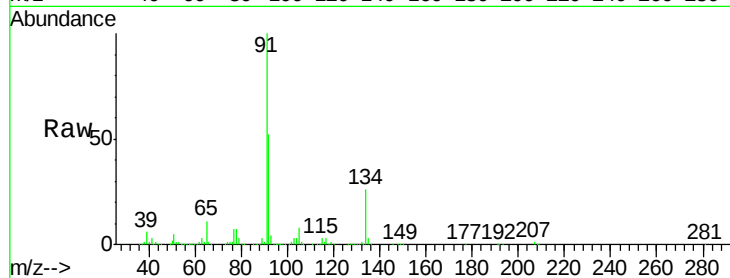
Tot Ion: 91 Resp: 892559

Ion Ratio Lower Upper

91 100

92 51.3 25.8 77.3

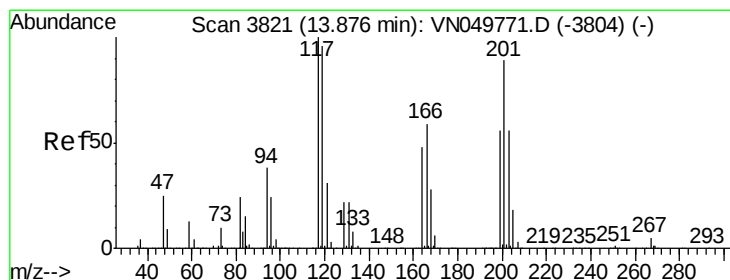
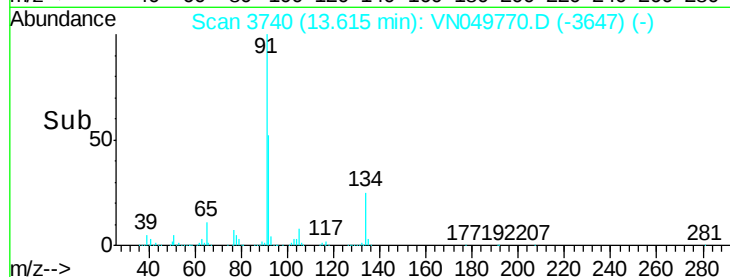
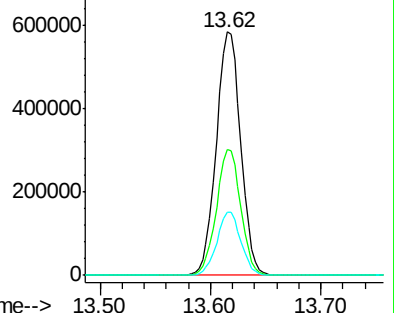
134 25.6 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN049770.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN049770.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN049770.D (-3647) (-)



#90

Hexachloroethane

Concen: 20.747 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049770.D

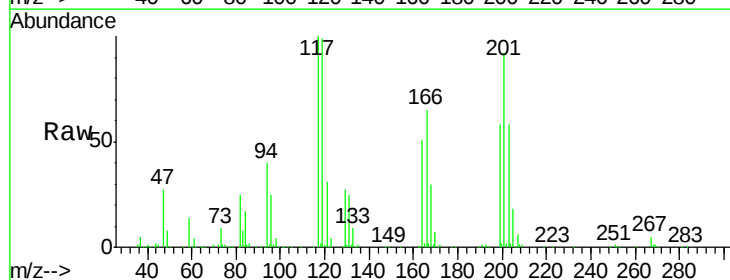
Acq: 12 Jul 2018 11:39

Tgt Ion: 117 Resp: 218498

Ion Ratio Lower Upper

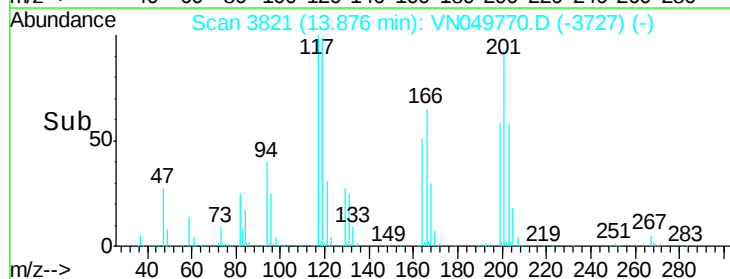
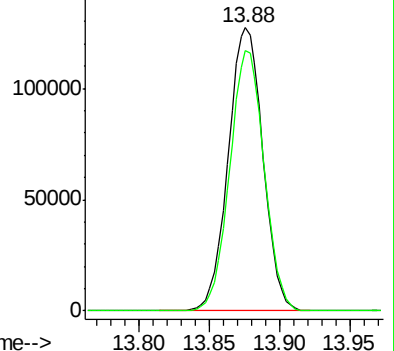
117 100

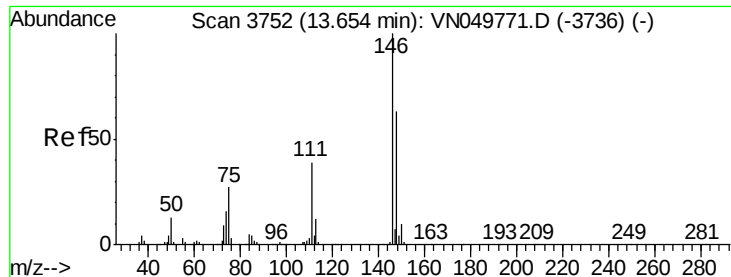
201 91.1 45.3 135.8



Abundance Ion 116.80 (116.50 to 117.50): VN049770.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049770.D (-3727) (-)

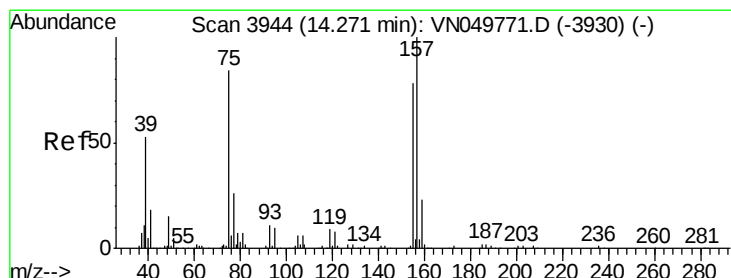
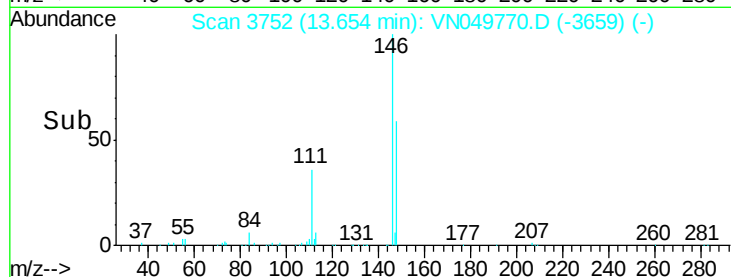
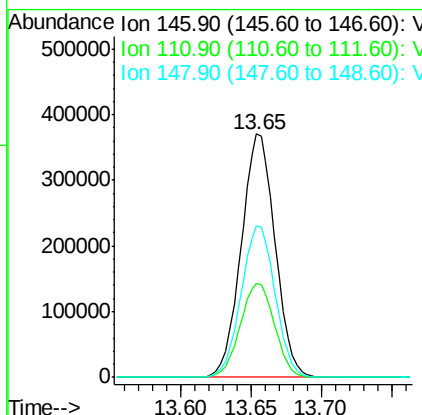
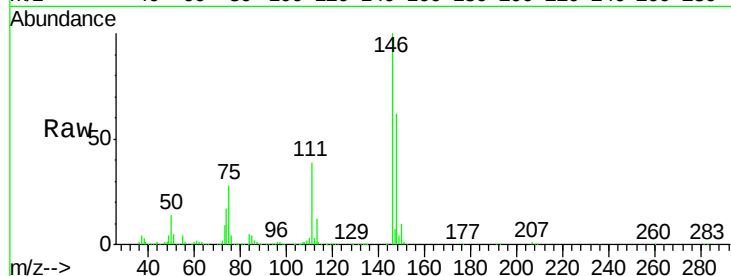




#91
 1,2-Dichlorobenzene
 Concen: 20.527 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

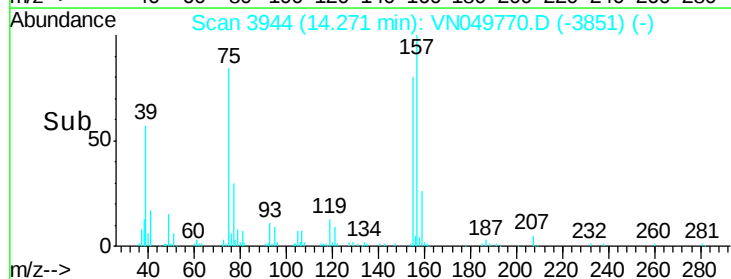
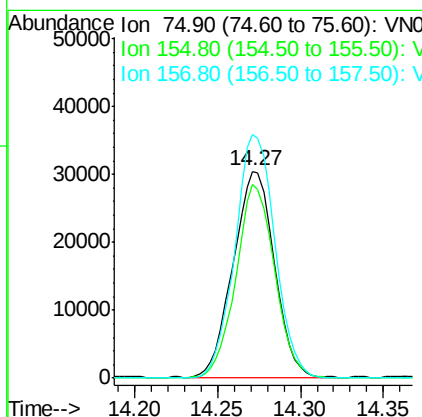
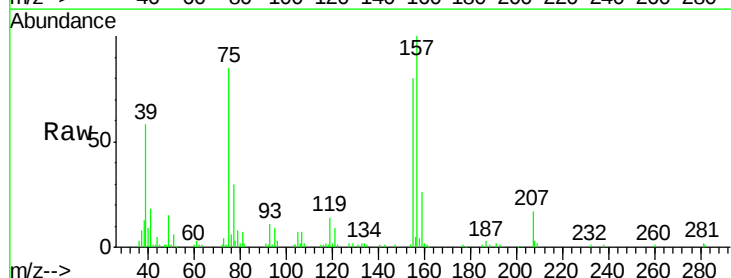
Instrument :
 MSVOA_N
 ClientSampleId :

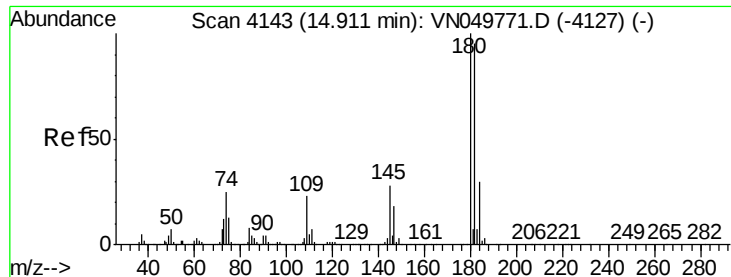
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	62.6	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.912 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	45.7	137.1
157	114.3	56.9	170.7

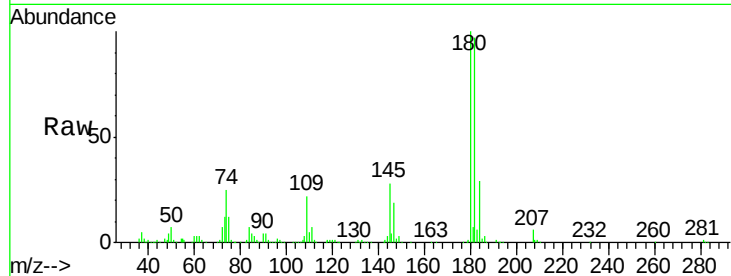




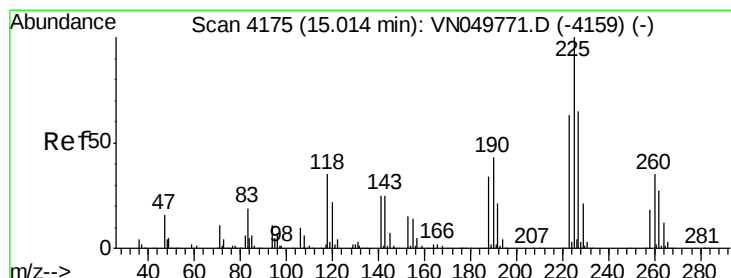
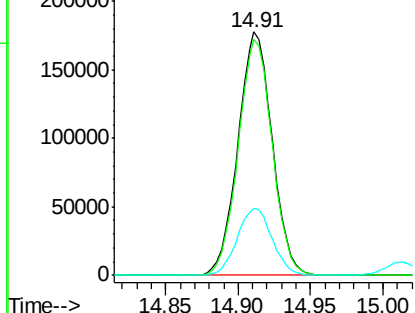
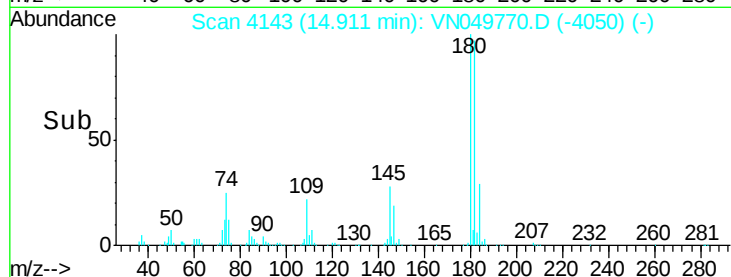
#93
 1,2,4-Trichlorobenzene
 Concen: 19.360 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.9
145	27.9	14.4	43.0

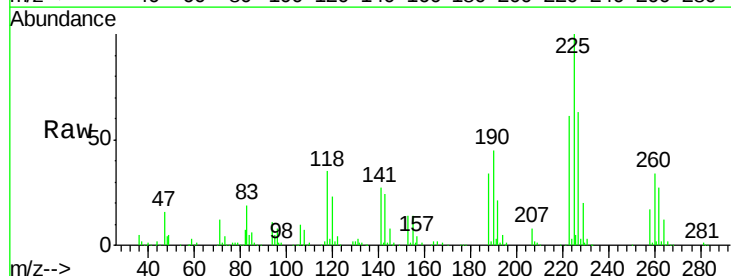


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

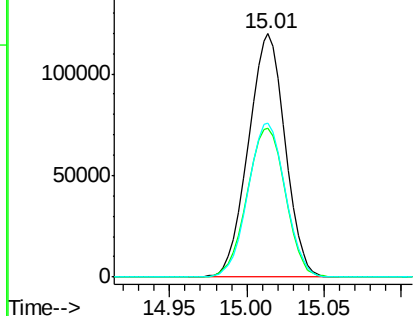
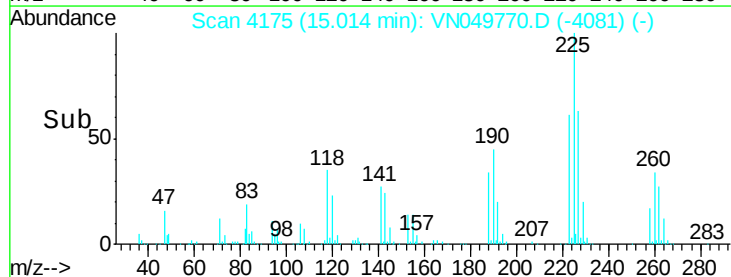


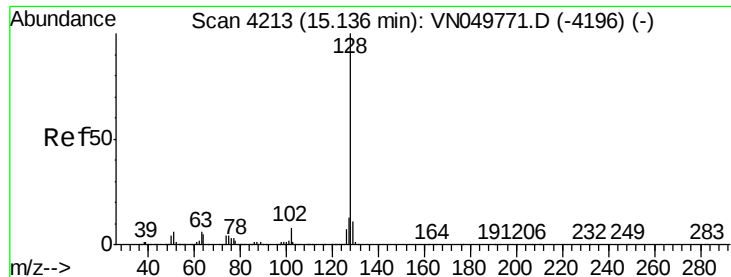
#94
 Hexachlorobutadiene
 Concen: 20.776 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049770.D
 Acq: 12 Jul 2018 11:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	30.9	92.7
227	64.2	31.8	95.4



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





#95

Naphthalene

Concen: 18.857 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

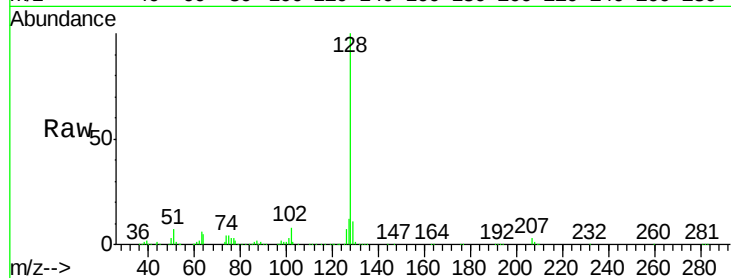
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 578694

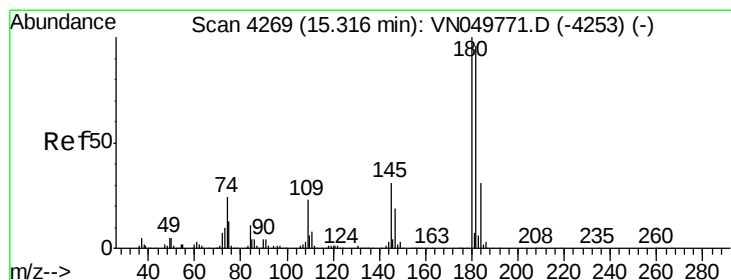
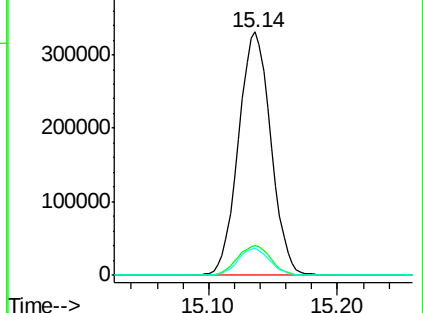
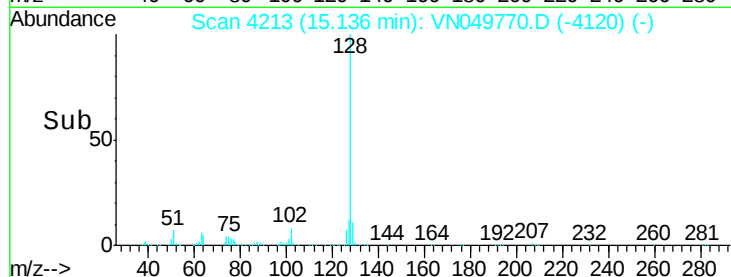
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	13.0



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: 19.979 ug/l

RT: 15.32 min Scan# 4269

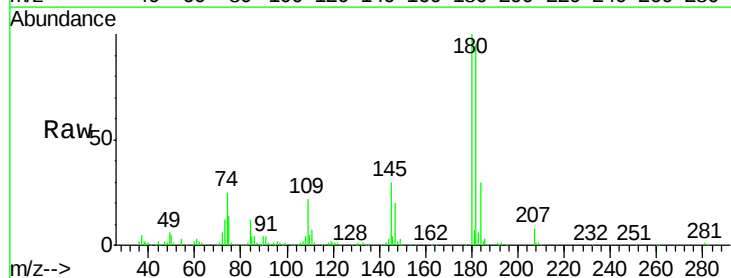
Delta R.T. -0.00 min

Lab File: VN049770.D

Acq: 12 Jul 2018 11:39

Tgt Ion:180 Resp: 293264

Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.4	142.2
145	30.3	15.2	45.6



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

