

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049769.D
 Acq On : 12 Jul 2018 11:05
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 02:06:56 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	1279708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1923711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1714484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	776882	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	89010	5.98	ug/l	0.00
Spiked Amount			Recovery	=	11.96%	
35) Dibromofluoromethane	7.59	113	81826	5.64	ug/l	0.00
Spiked Amount			Recovery	=	11.28%	
50) Toluene-d8	10.09	98	284673	5.74	ug/l	0.00
Spiked Amount			Recovery	=	11.48%	
62) 4-Bromofluorobenzene	12.40	95	86827	4.90	ug/l	0.00
Spiked Amount			Recovery	=	9.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	67734	4.933	ug/l	94
3) Chloromethane	2.06	50	86880	4.913	ug/l	97
4) Vinyl Chloride	2.18	62	92689	5.132	ug/l	97
5) Bromomethane	2.56	94	66333	5.504	ug/l	96
6) Chloroethane	2.70	64	62013	5.448	ug/l	95
7) Trichlorofluoromethane	3.02	101	129214	5.325	ug/l	95
8) Diethyl Ether	3.41	74	44839	5.157	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	81850	5.197	ug/l	99
10) Methyl Iodide	3.95	142	87378	4.365	ug/l	98
11) Tert butyl alcohol	4.80	59	23873	23.961	ug/l	95
12) 1,1-Dichloroethene	3.73	96	70098	5.065	ug/l	98
13) Acrolein	3.61	56	37429	42.770	ug/l	99
14) Allyl chloride	4.32	41	108133	4.788	ug/l	99
15) Acrylonitrile	4.99	53	118390	23.727	ug/l	99
16) Acetone	3.82	43	93837	23.732	ug/l	95
17) Carbon Disulfide	4.05	76	202423	5.324	ug/l	100
18) Methyl Acetate	4.33	43	72156	5.142	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	177149	4.615	ug/l	99
20) Methylene Chloride	4.55	84	89854	5.059	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	75585	4.997	ug/l	96
22) Diisopropyl ether	5.95	45	222372	4.794	ug/l	97
23) Vinyl Acetate	5.90	43	698848	22.480	ug/l	99
24) 1,1-Dichloroethane	5.84	63	150058	5.149	ug/l	99
25) 2-Butanone	6.84	43	132549	22.849	ug/l	98
26) 2,2-Dichloropropane	6.82	77	119213	4.929	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	84688	4.896	ug/l	100
28) Bromochloromethane	7.19	49	65390	4.933	ug/l	99
29) Tetrahydrofuran	7.22	42	80551	22.112	ug/l	98
30) Chloroform	7.37	83	152778	5.088	ug/l	97
31) Cyclohexane	7.66	56	127865	5.285	ug/l	# 79
32) 1,1,1-Trichloroethane	7.57	97	128207	5.027	ug/l	98
36) 1,1-Dichloropropene	7.79	75	107646	4.856	ug/l	99
37) Ethyl Acetate	6.93	43	57376	4.373	ug/l	99
38) Carbon Tetrachloride	7.77	117	113914	4.916	ug/l	96

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 02:06:56 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)

39) Methylcyclohexane	9.08	83	108118	4.627	ug/l	99
40) Benzene	8.04	78	325139	4.903	ug/l	100
41) Methacrylonitrile	7.17	41	24667	3.323	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	108300	4.993	ug/l	100
43) Isopropyl Acetate	8.17	43	106338	4.509	ug/l	96
44) Trichloroethene	8.84	130	86904	4.867	ug/l	100
45) 1,2-Dichloropropane	9.12	63	88776	4.981	ug/l	100
46) Dibromomethane	9.21	93	52250	4.936	ug/l	97
47) Bromodichloromethane	9.40	83	114368	4.907	ug/l	99
48) Methyl methacrylate	9.20	41	49904	4.232	ug/l	96
49) 1,4-Dioxane	9.21	88	13620	88.147	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	287456	22.447	ug/l	97
52) Toluene	10.16	92	190211	4.792	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	99340	4.431	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	118438	4.638	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	77350	4.534	ug/l	96
56) Ethyl methacrylate	10.43	69	75232	4.199	ug/l	99
57) 1,3-Dichloropropane	10.71	76	119488	4.726	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	173511	20.194	ug/l	99
59) 2-Hexanone	10.75	43	180897	21.249	ug/l	95
60) Dibromochloromethane	10.90	129	81829	4.706	ug/l	100
61) 1,2-Dibromoethane	11.01	107	66726	4.620	ug/l	98
64) Tetrachloroethene	10.63	164	78960	5.072	ug/l	98
65) Chlorobenzene	11.44	112	219432	4.913	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	81410	4.845	ug/l	98
67) Ethyl Benzene	11.51	91	342581	4.684	ug/l	99
68) m/p-Xylenes	11.62	106	255780	9.317	ug/l	99
69) o-Xylene	11.95	106	122029	4.601	ug/l	97
70) Styrene	11.97	104	181112	4.299	ug/l	97
71) Bromoform	12.13	173	51842	4.566	ug/l #	99
73) Isopropylbenzene	12.25	105	330953	5.126	ug/l	98
74) N-amyl acetate	12.07	43	79025	4.705	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	88369	4.137	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	99471	7.207	ug/l #	100
77) Bromobenzene	12.53	156	87307	5.097	ug/l	98
78) n-propylbenzene	12.59	91	356463	4.897	ug/l	99
79) 2-Chlorotoluene	12.68	91	227759	5.112	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	250269	4.878	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19868	4.649	ug/l	94
82) 4-Chlorotoluene	12.78	91	224133	5.072	ug/l	99
83) tert-Butylbenzene	12.99	119	233586	5.088	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	253684	4.930	ug/l	99
85) sec-Butylbenzene	13.17	105	306396	5.093	ug/l	99
86) p-Isopropyltoluene	13.29	119	244446	4.801	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	149753	5.043	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	144000	4.988	ug/l	95
89) n-Butylbenzene	13.62	91	196735	4.681	ug/l	96
90) Hexachloroethane	13.88	117	56096	4.938	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	143882	4.964	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11930	4.786	ug/l	91

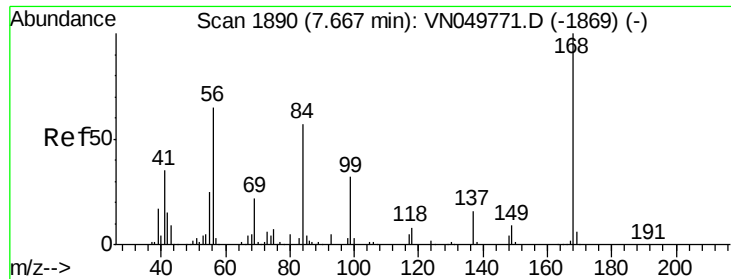
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
Data File : VN049769.D
Acq On : 12 Jul 2018 11:05
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 13 02:06:56 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)
93) 1,2,4-Trichlorobenzene	14.91	180	50046	5.852	ug/l	99
94) Hexachlorobutadiene	15.01	225	50245	4.694	ug/l	98
95) Naphthalene	15.14	128	92119	6.491	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	53917	3.836	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

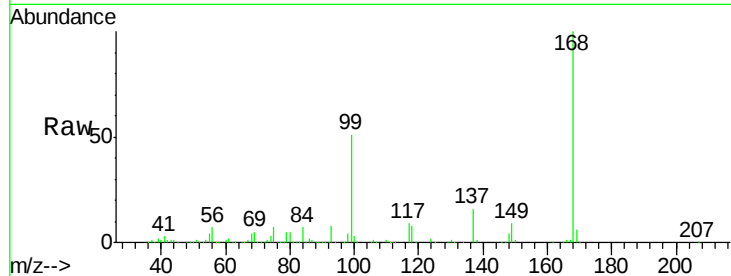
ClientSampled :

Tot Ion:168 Resp: 1279708

Ion Ratio Lower Upper

168 100

99 50.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN049771.D (-1869) (-)

Ion 98.90 (98.60 to 99.60): VN049771.D (-1869) (-)

7.67

600000

500000

400000

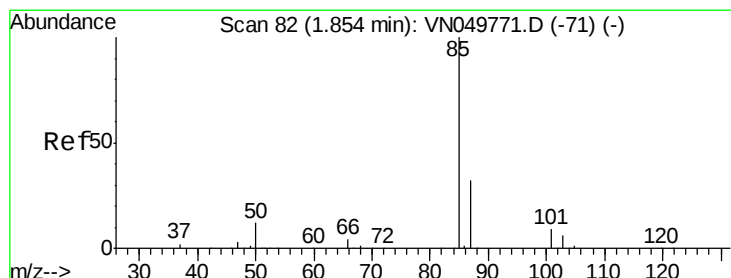
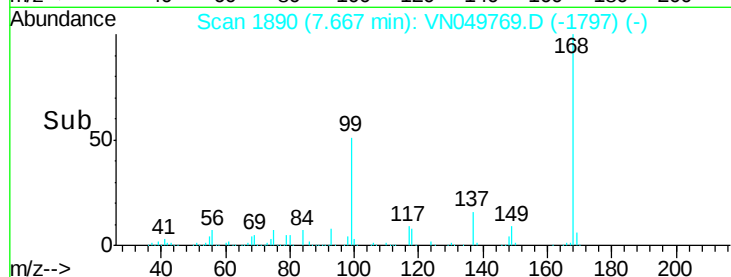
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 4.933 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049769.D

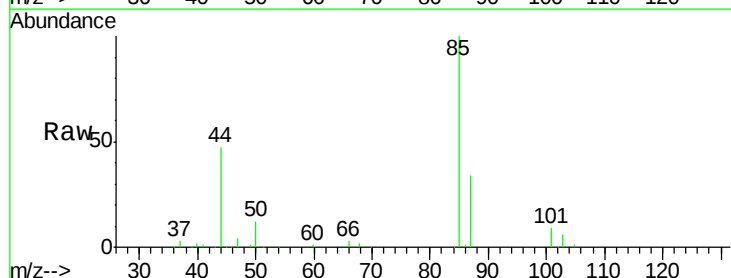
Acq: 12 Jul 2018 11:05

Tgt Ion: 85 Resp: 67734

Ion Ratio Lower Upper

85 100

87 34.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN049771.D (-71) (-)

Ion 86.90 (86.60 to 87.60): VN049771.D (-71) (-)

1.85

50000

40000

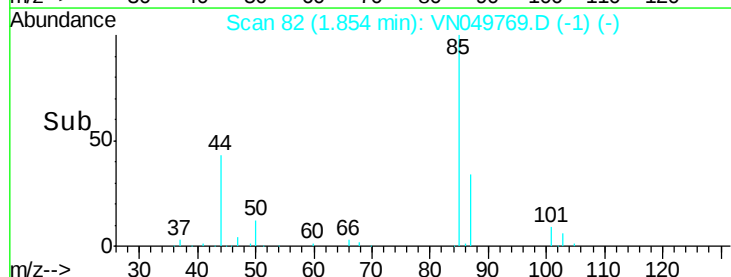
30000

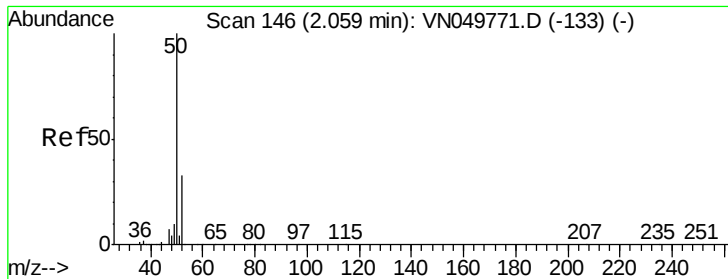
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 4.913 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

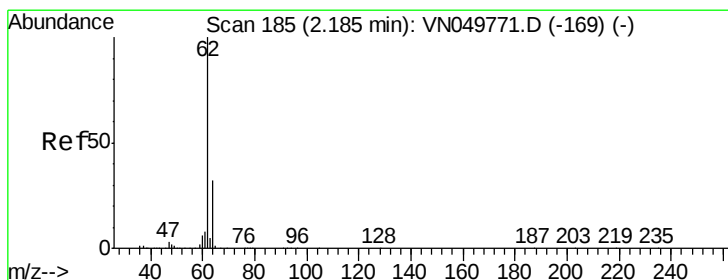
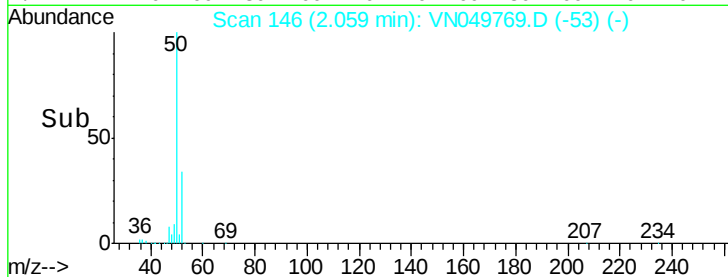
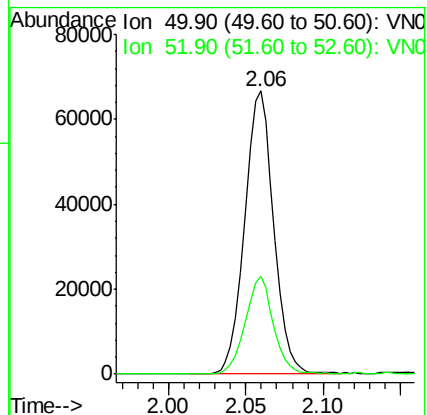
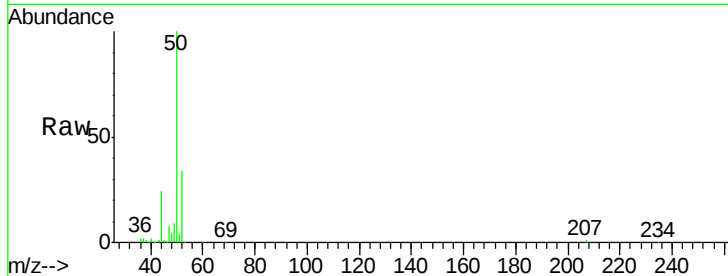
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 86880

Ion Ratio Lower Upper

50 100

52 34.4 26.1 39.1



#4

Vinyl Chloride

Concen: 5.132 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049769.D

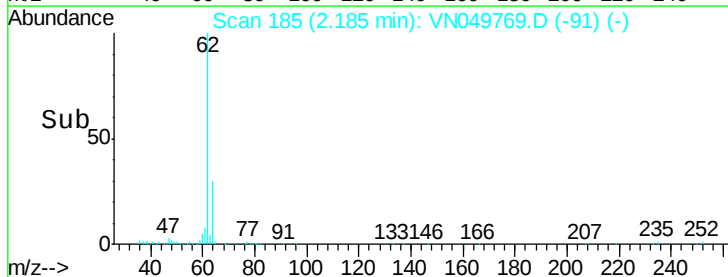
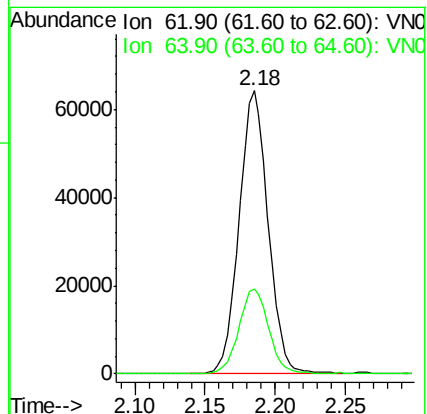
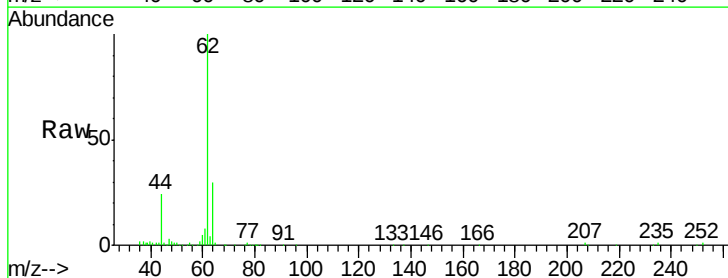
Acq: 12 Jul 2018 11:05

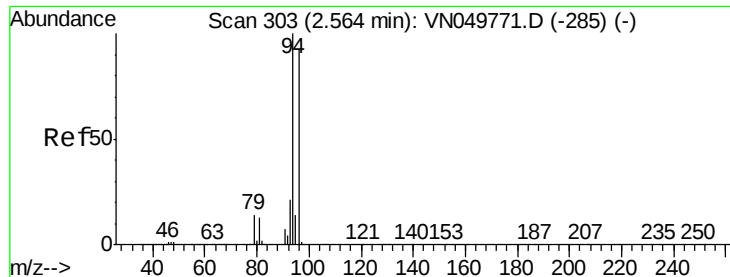
Tgt Ion: 62 Resp: 92689

Ion Ratio Lower Upper

62 100

64 29.8 25.4 38.0





#5

Bromomethane

Concen: 5.504 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

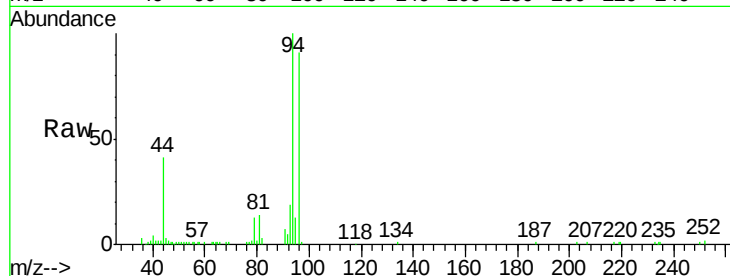
ClientSampleId :

Tot Ion: 94 Resp: 66333

Ion Ratio Lower Upper

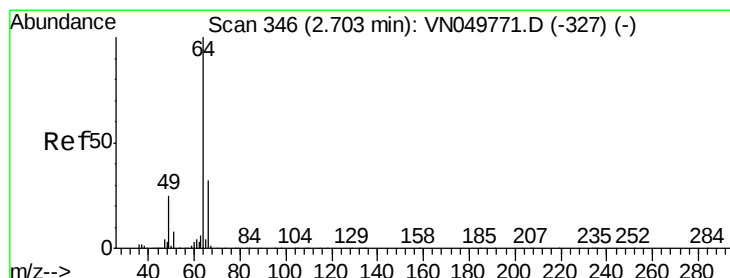
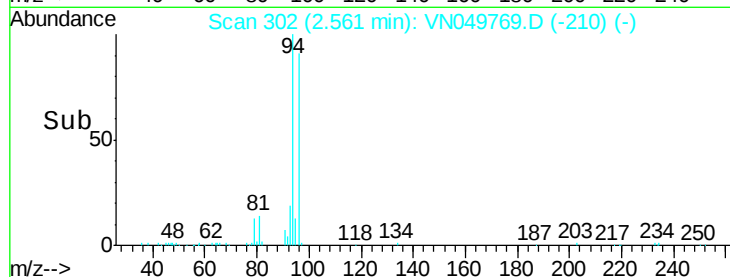
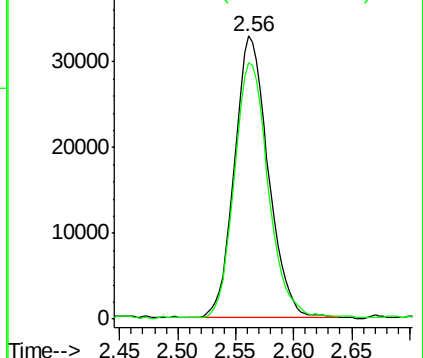
94 100

96 90.4 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.448 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN049769.D

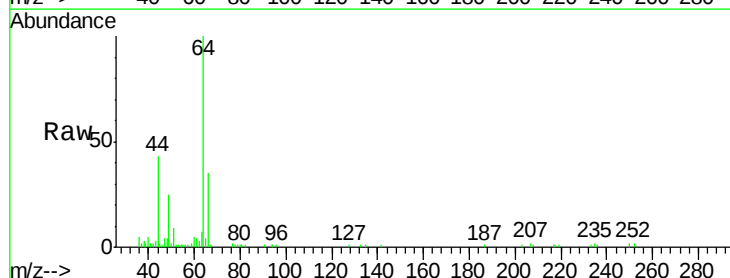
Acq: 12 Jul 2018 11:05

Tgt Ion: 64 Resp: 62013

Ion Ratio Lower Upper

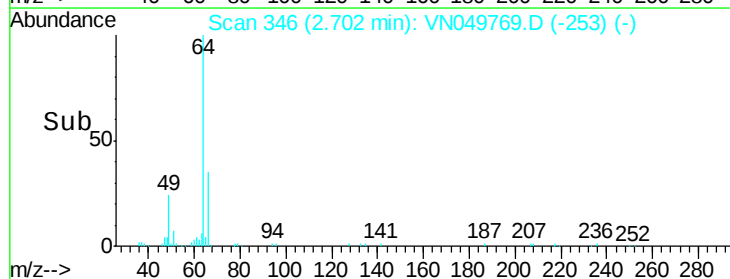
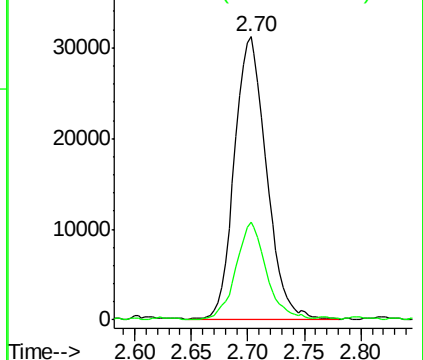
64 100

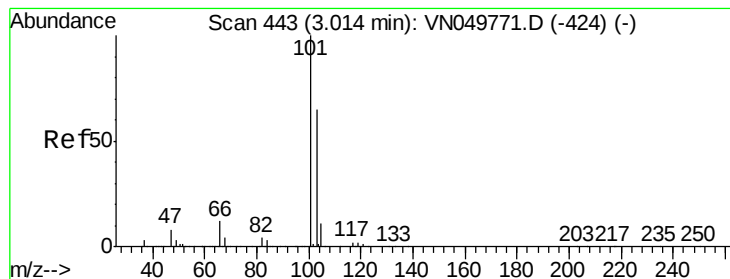
66 34.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



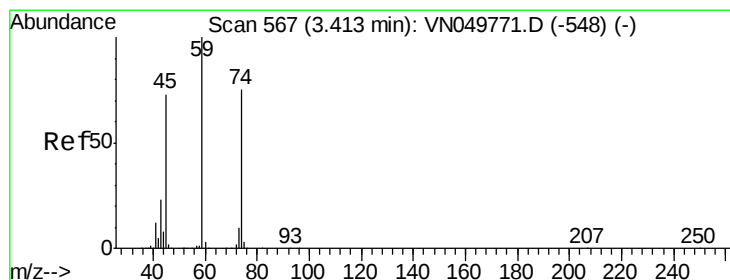
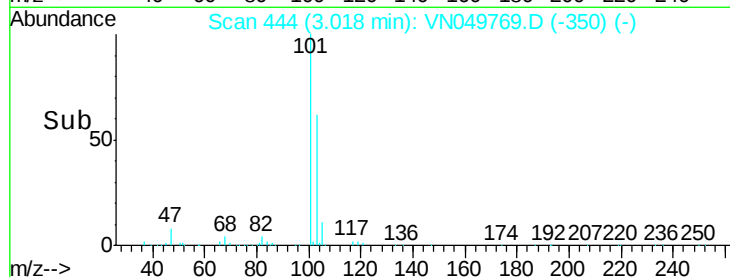
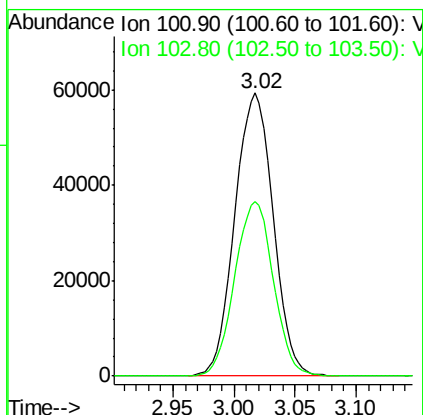
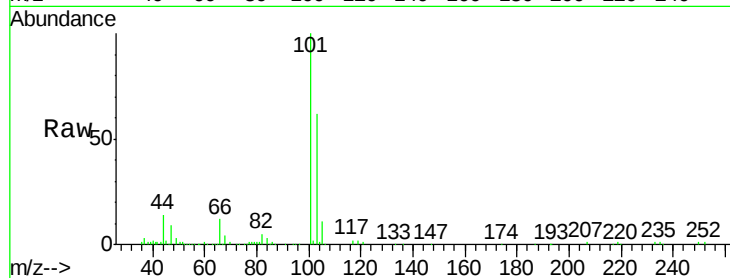


#7

Trichlorofluoromethane
Concen: 5.325 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampled :

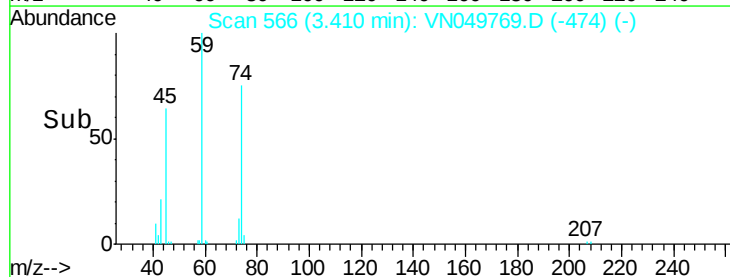
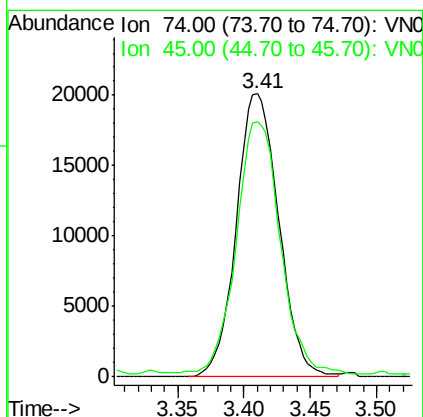
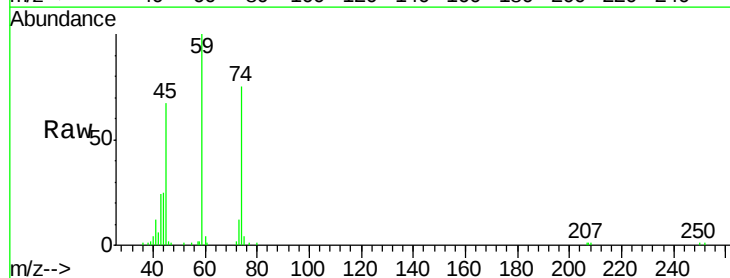
Tot Ion:101 Resp: 129214
Ion Ratio Lower Upper
101 100
103 61.9 52.8 79.2

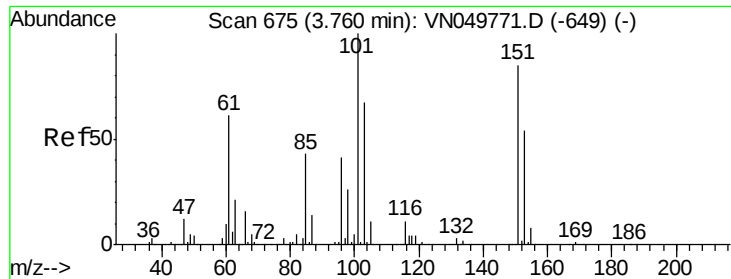


#8

Diethyl Ether
Concen: 5.157 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion: 74 Resp: 44839
Ion Ratio Lower Upper
74 100
45 91.9 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.197 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

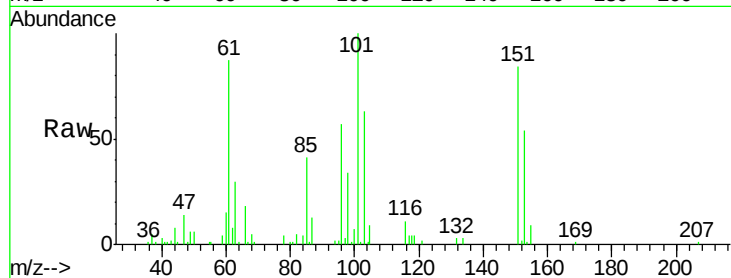
Tot Ion:101 Resp: 81850

Ion Ratio Lower Upper

101 100

85 41.8 34.4 51.6

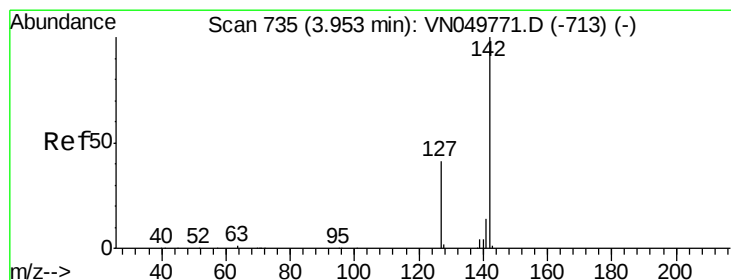
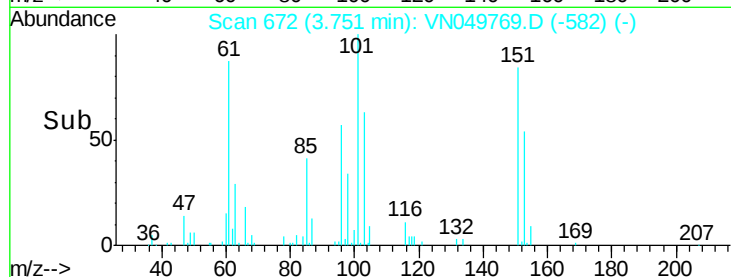
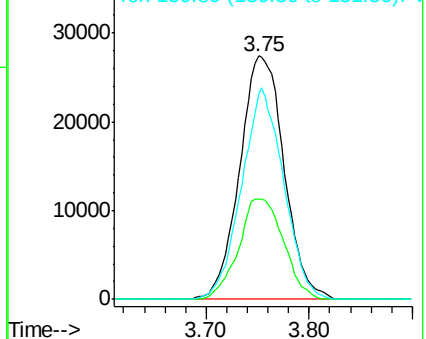
151 82.1 66.2 99.4



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: 4.365 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

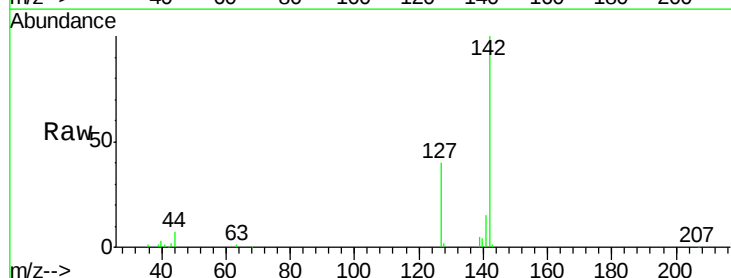
Tgt Ion:142 Resp: 87378

Ion Ratio Lower Upper

142 100

127 41.5 32.5 48.7

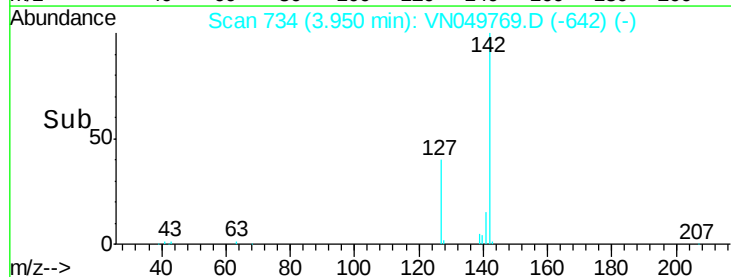
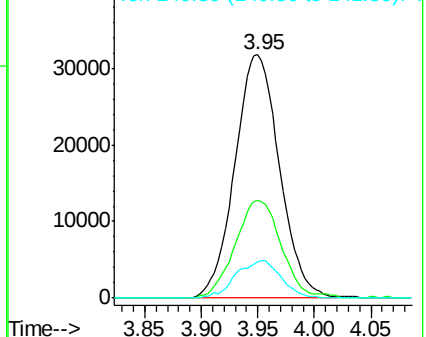
141 15.5 11.1 16.7

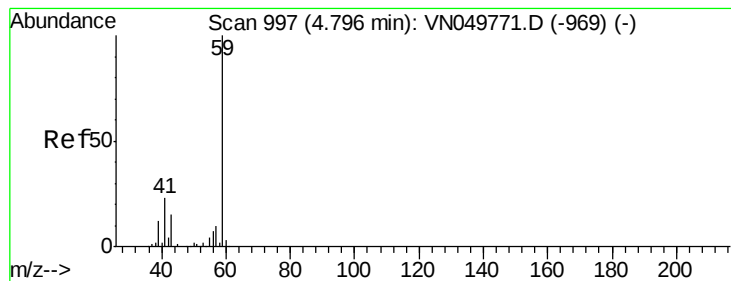


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



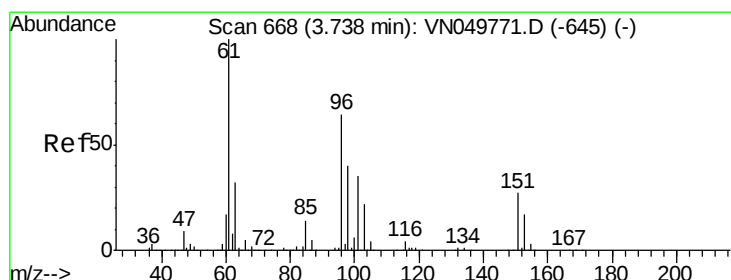
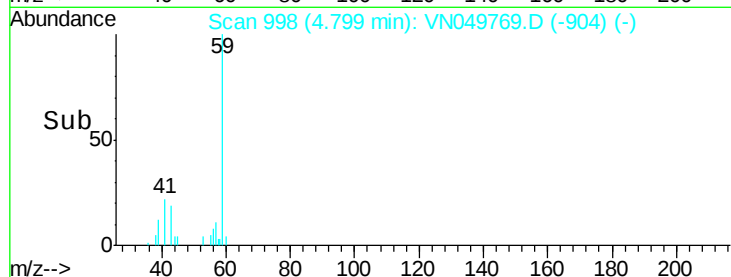
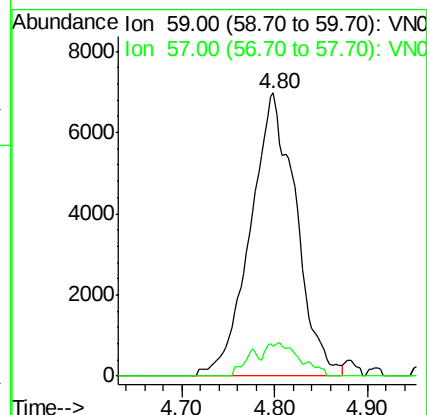
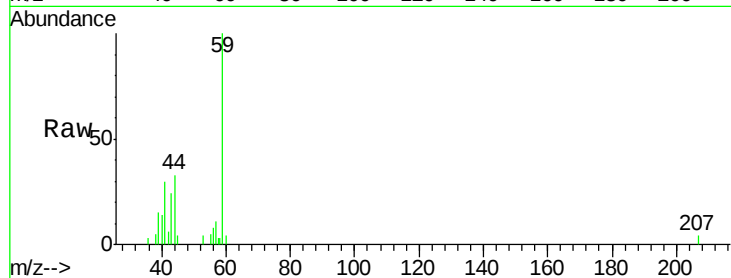


#11

Tert butyl alcohol
Concen: 23.961 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :

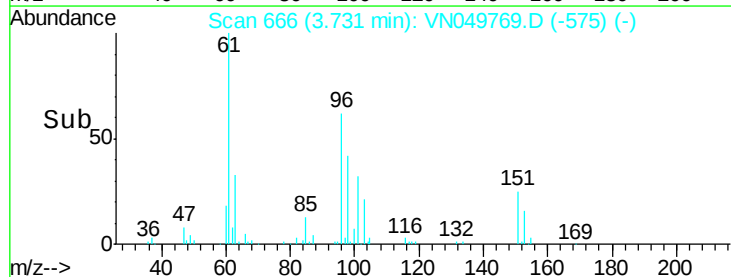
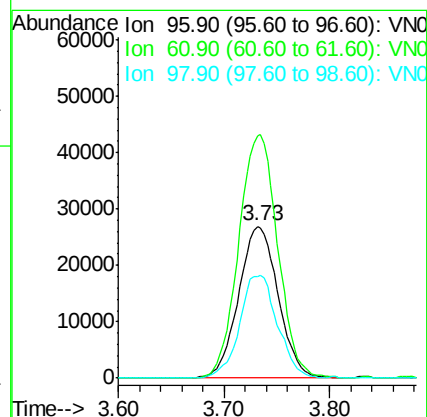
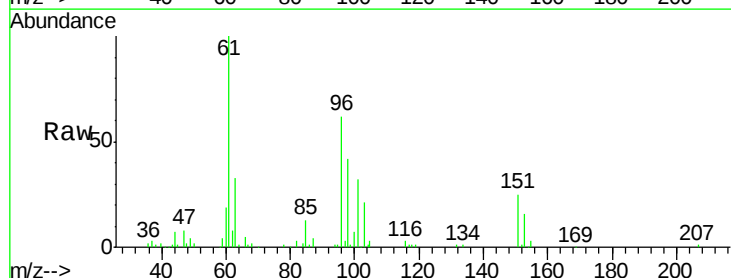
Tot Ion: 59 Resp: 23873
Ion Ratio Lower Upper
59 100
57 8.8 8.5 12.7

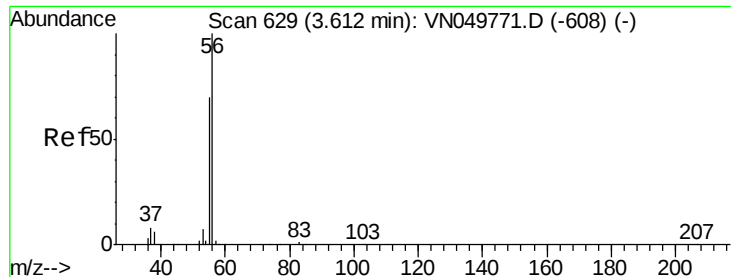


#12

1,1-Dichloroethene
Concen: 5.065 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.01 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion: 96 Resp: 70098
Ion Ratio Lower Upper
96 100
61 160.1 126.5 189.7
98 67.0 51.0 76.6





#13

Acrolein

Concen: 42.770 ug/l

RT: 3.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

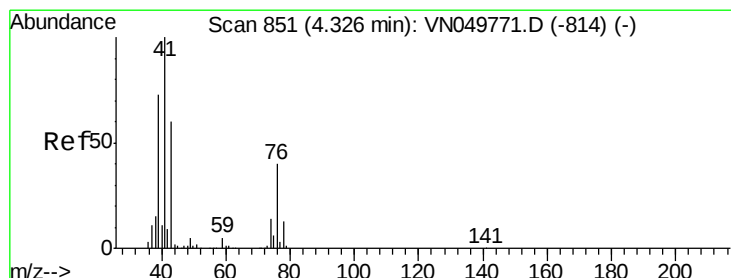
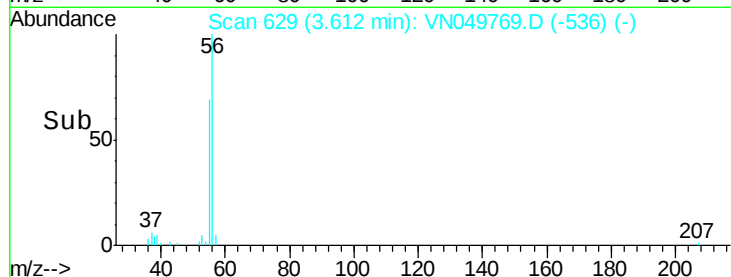
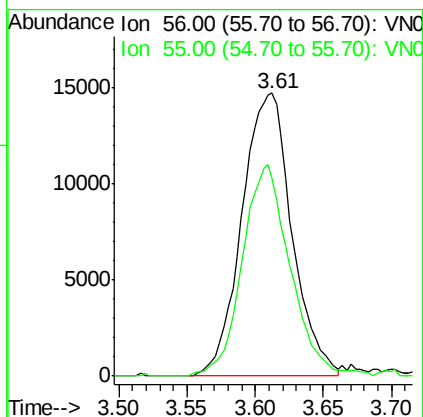
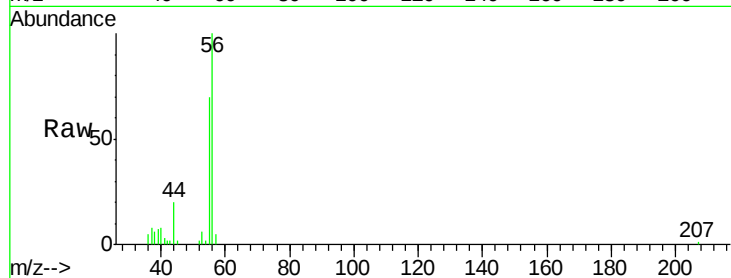
ClientSampleId :

Tot Ion: 56 Resp: 37429

Ion Ratio Lower Upper

56 100

55 70.7 55.8 83.8



#14

Allyl chloride

Concen: 4.788 ug/l

RT: 4.32 min Scan# 848

Delta R.T. -0.01 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

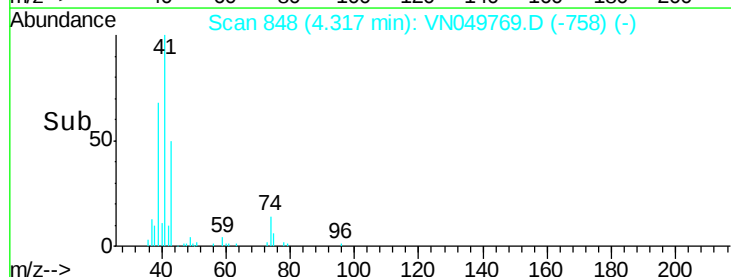
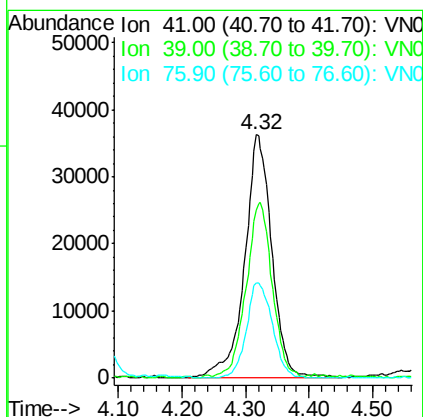
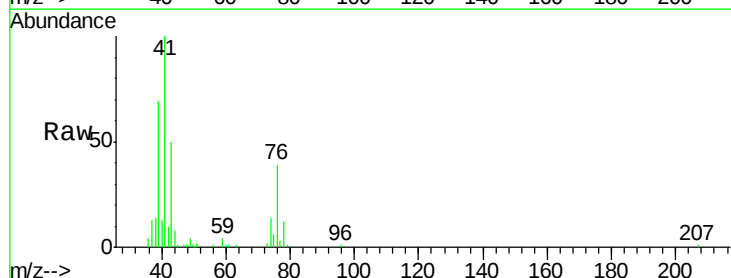
Tgt Ion: 41 Resp: 108133

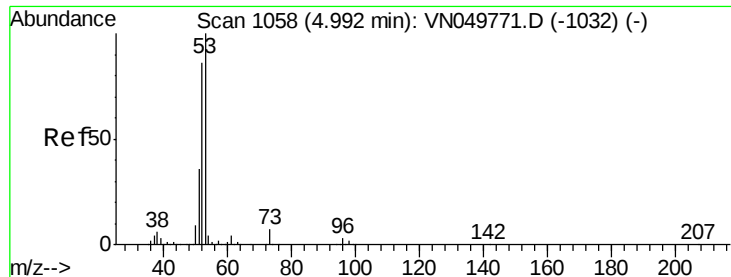
Ion Ratio Lower Upper

41 100

39 67.1 53.2 79.8

76 37.0 29.0 43.6





#15

Acrylonitrile

Concen: 23.727 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampled :

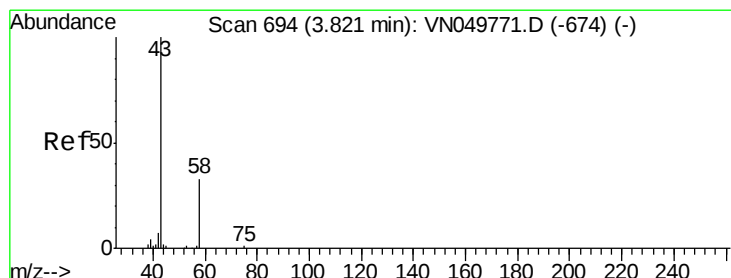
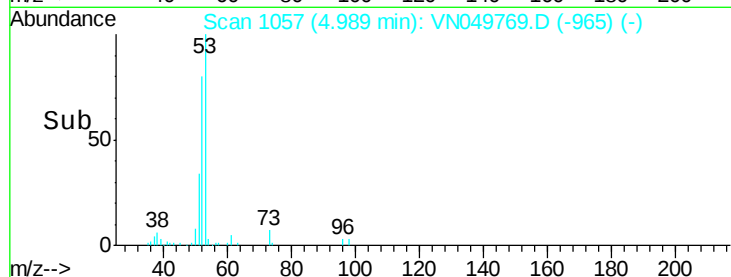
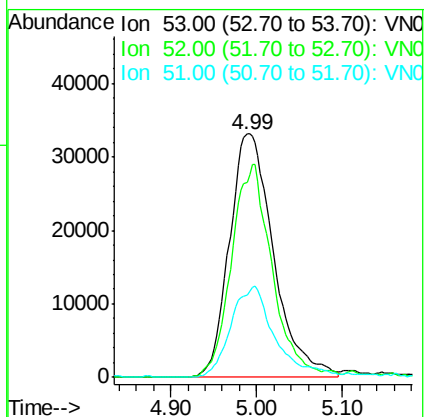
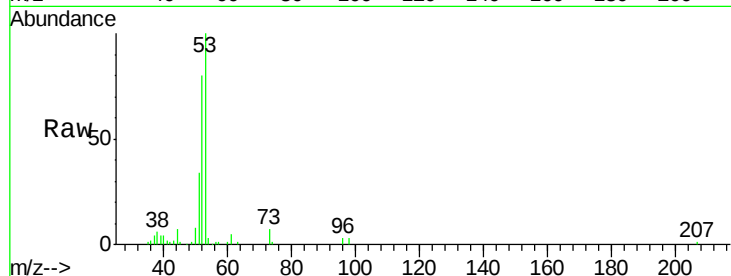
Tot Ion: 53 Resp: 118390

Ion Ratio Lower Upper

53 100

52 80.0 64.8 97.2

51 37.3 28.9 43.3



#16

Acetone

Concen: 23.732 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049769.D

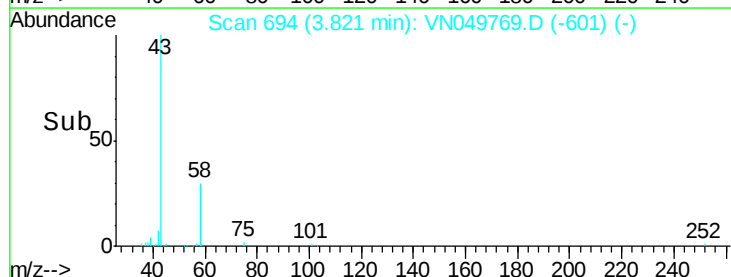
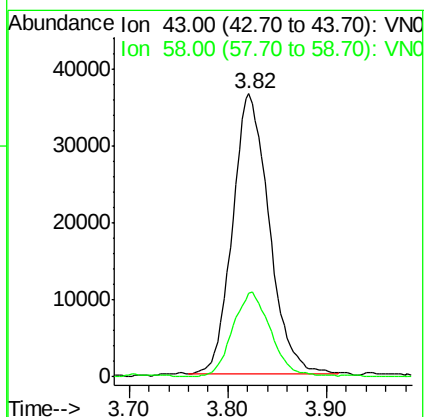
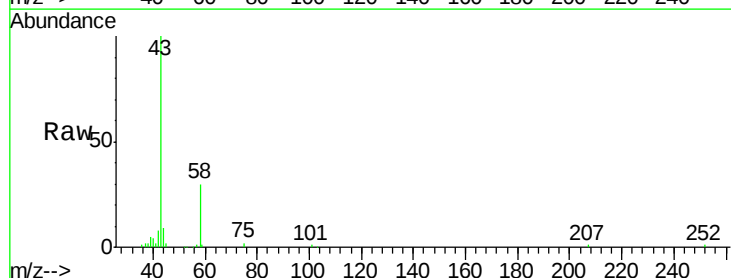
Acq: 12 Jul 2018 11:05

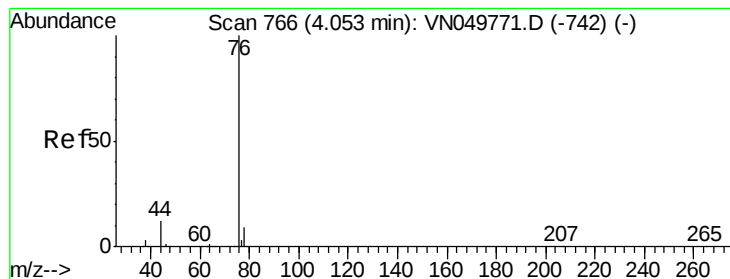
Tgt Ion: 43 Resp: 93837

Ion Ratio Lower Upper

43 100

58 29.8 25.9 38.9





#17

Carbon Disulfide

Concen: 5.324 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.01 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

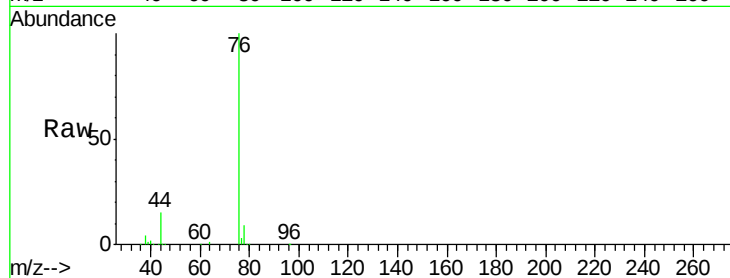
ClientSampled :

Tot Ion: 76 Resp: 202423

Ion Ratio Lower Upper

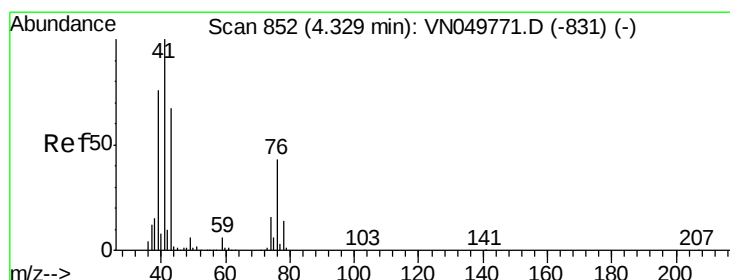
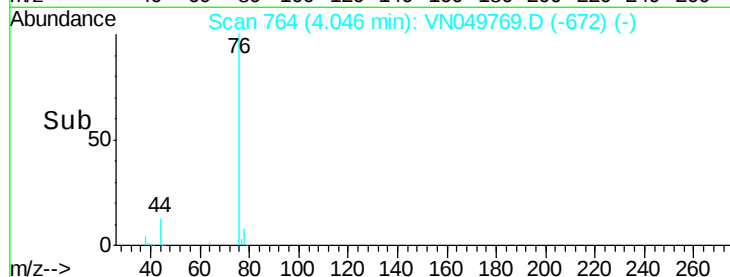
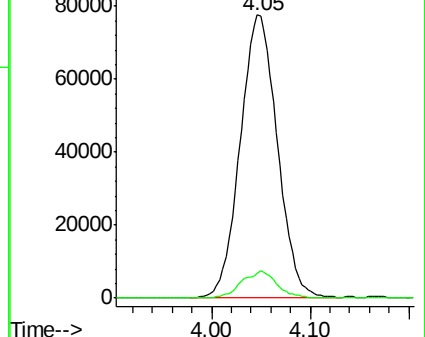
76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN049771.D (-742) (-)

Ion 77.90 (77.60 to 78.60): VN049771.D (-742) (-)



#18

Methyl Acetate

Concen: 5.142 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049769.D

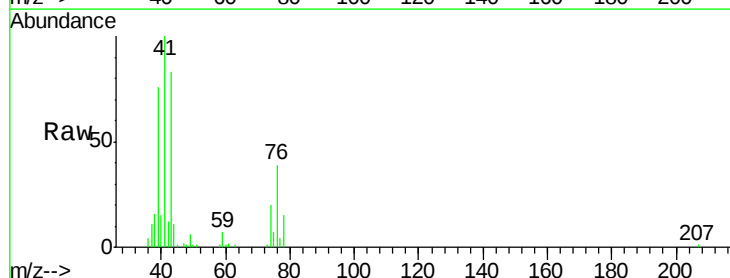
Acq: 12 Jul 2018 11:05

Tgt Ion: 43 Resp: 72156

Ion Ratio Lower Upper

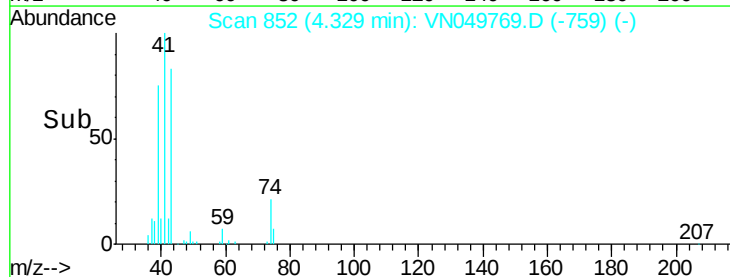
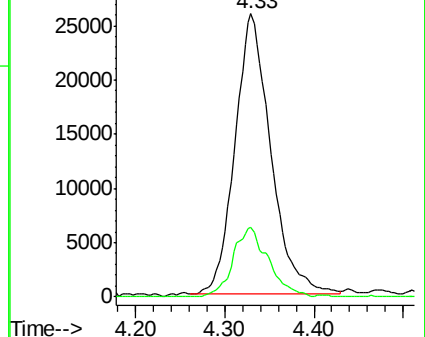
43 100

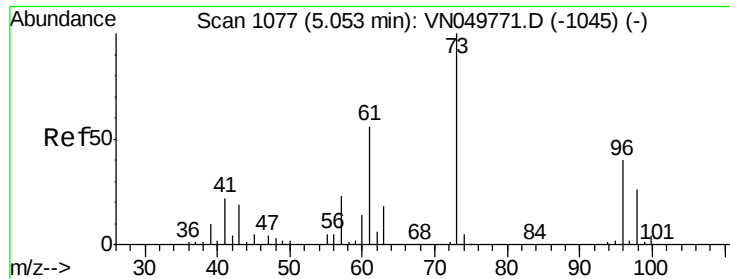
74 24.4 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-831) (-)

Ion 74.00 (73.70 to 74.70): VN049771.D (-831) (-)

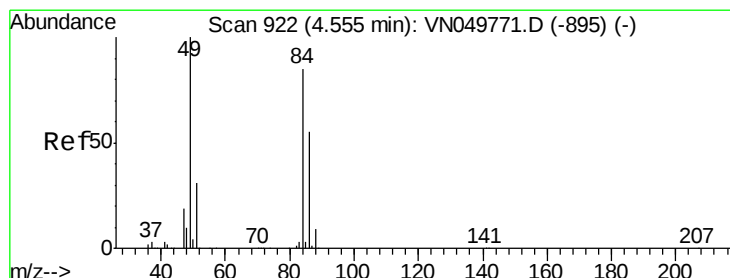
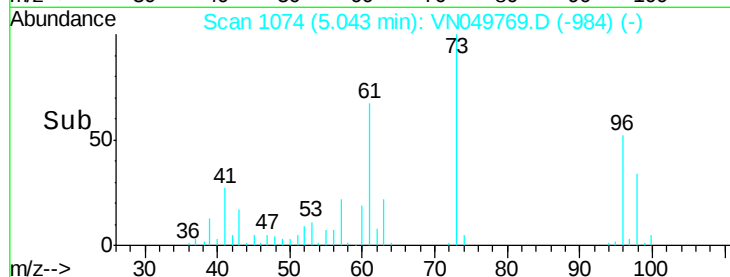
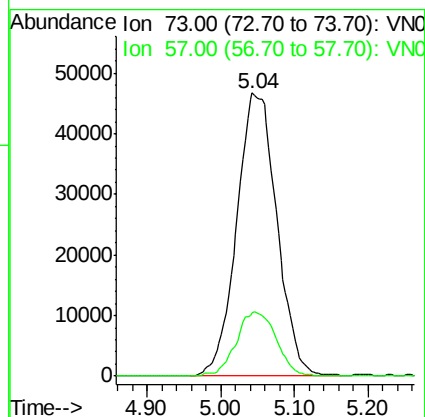
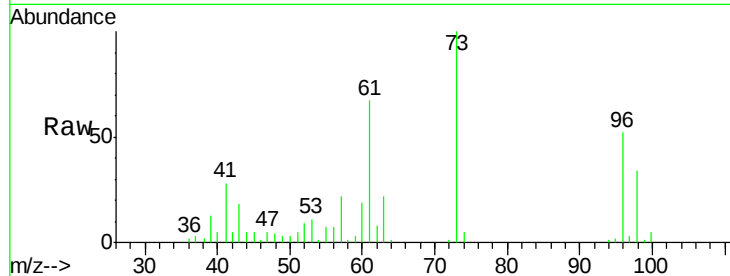




#19
Methyl tert-butyl Ether
Concen: 4.615 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

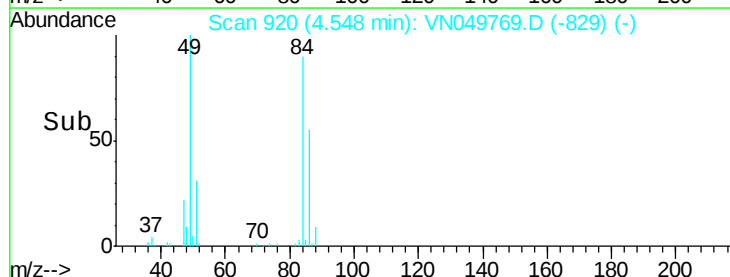
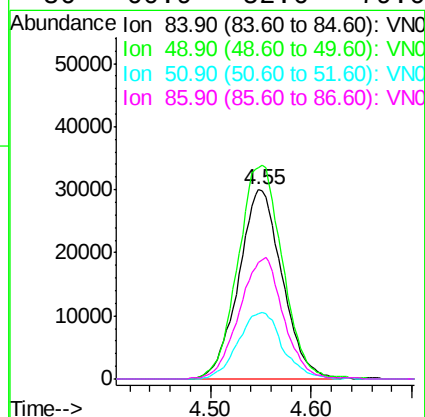
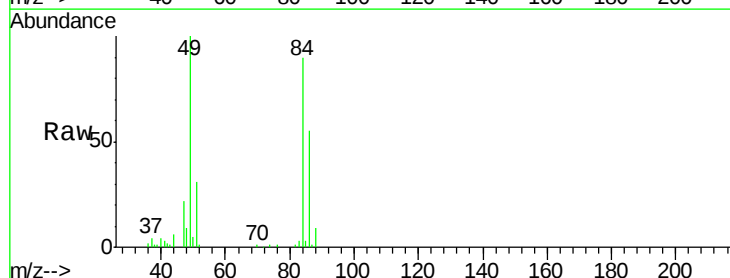
Instrument :
MSVOA_N
ClientSampled :

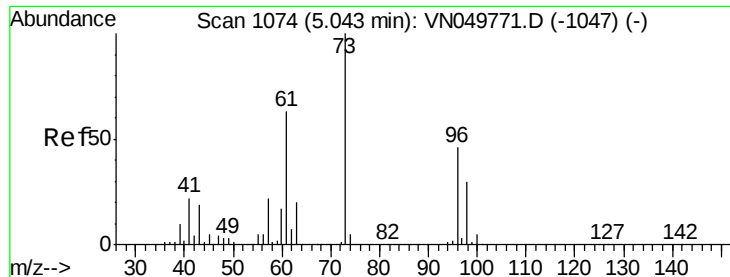
Tot Ion: 73 Resp: 177149
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1



#20
Methylene Chloride
Concen: 5.059 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.01 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion: 84 Resp: 89854
Ion Ratio Lower Upper
84 100
49 111.5 95.4 143.2
51 34.2 28.4 42.6
86 60.9 52.6 79.0

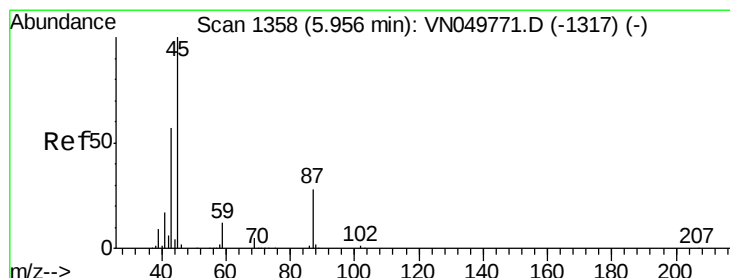
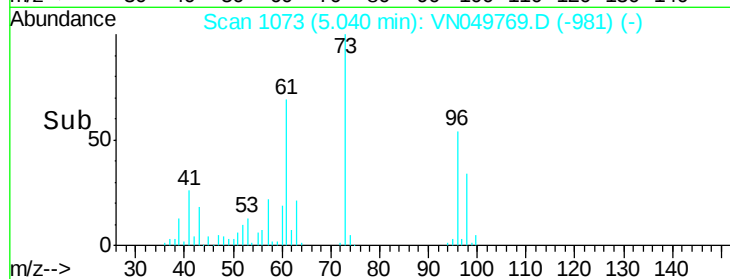
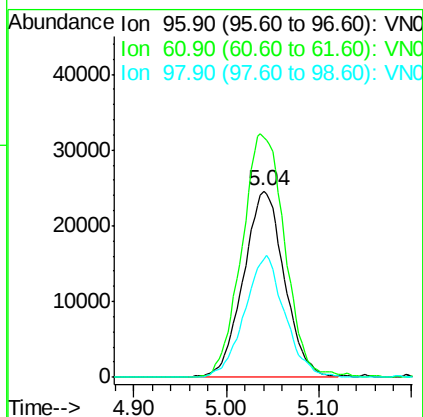
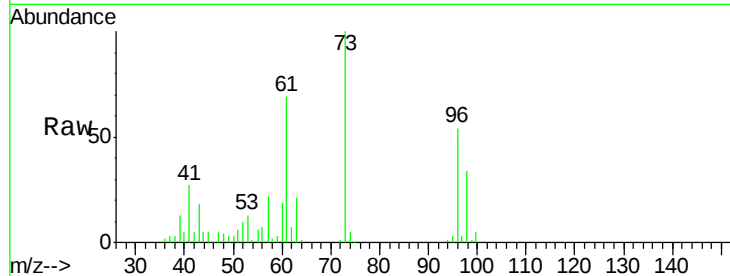




#21
trans-1,2-Dichloroethene
Concen: 4.997 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

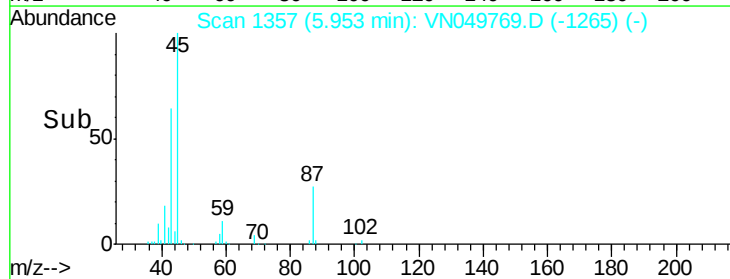
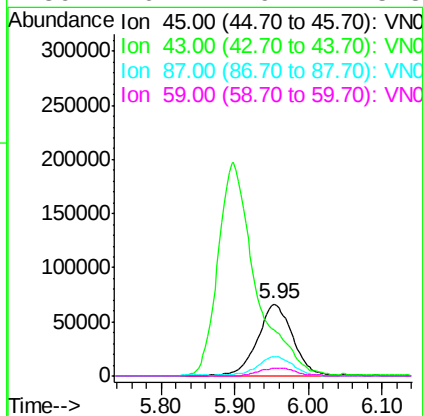
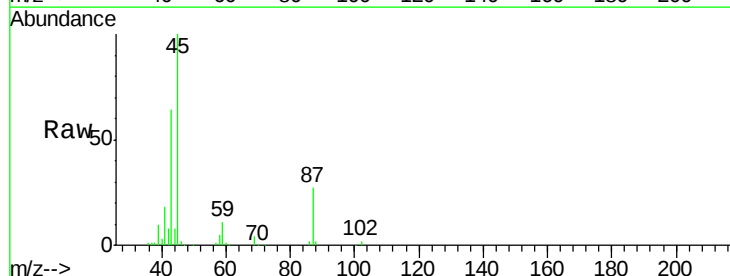
Instrument :
MSVOA_N
ClientSampled :

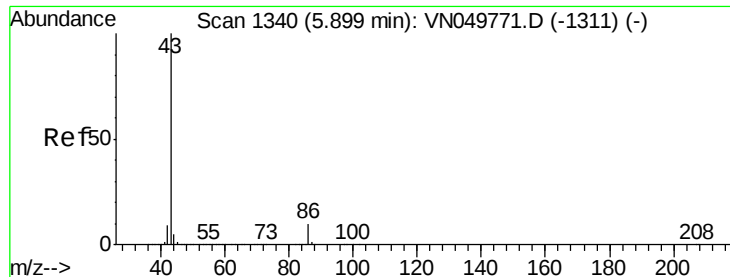
Tot Ion: 96 Resp: 75585
Ion Ratio Lower Upper
96 100
61 128.8 109.0 163.6
98 63.7 51.1 76.7



#22
Diisopropyl ether
Concen: 4.794 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion: 45 Resp: 222372
Ion Ratio Lower Upper
45 100
43 61.7 48.1 72.1
87 26.4 22.6 34.0
59 10.7 9.2 13.8





#23

Vinyl Acetate

Concen: 22.480 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

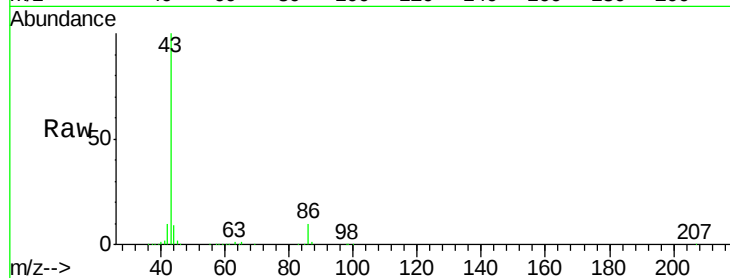
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 698848

Ion Ratio Lower Upper

43 100

86 10.1 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-1311) (-)

Ion 86.00 (85.70 to 86.70): VN049771.D (-1311) (-)

5.90

200000

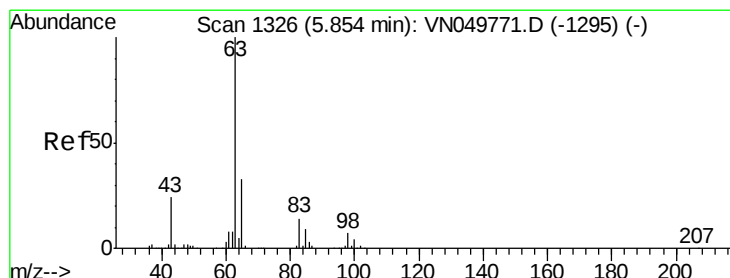
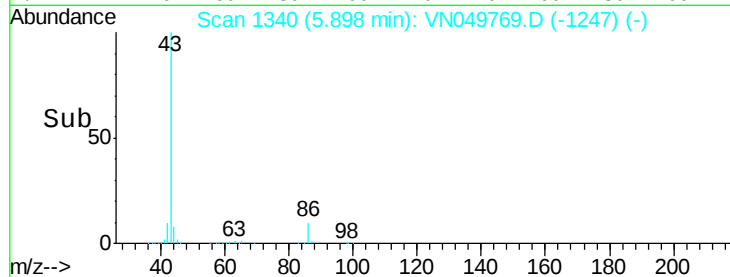
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 5.149 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

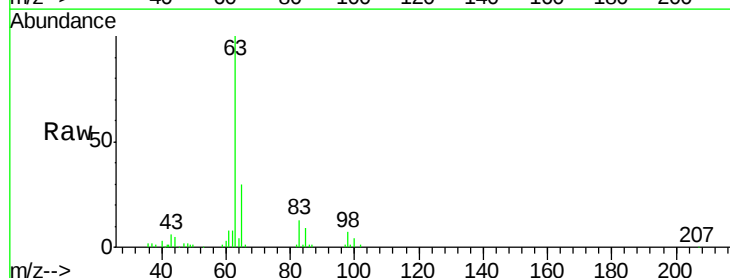
Tgt Ion: 63 Resp: 150058

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 3.9 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN049771.D (-1295) (-)

Ion 97.90 (97.60 to 98.60): VN049771.D (-1295) (-)

Ion 99.90 (99.60 to 100.60): VN049771.D (-1295) (-)

5.84

60000

50000

40000

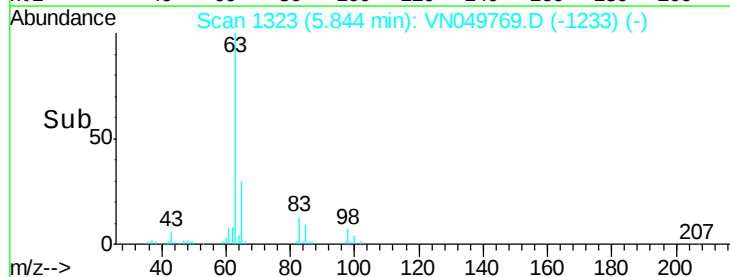
30000

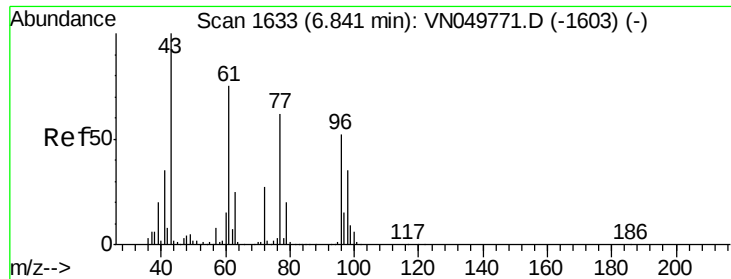
20000

10000

0

Time-->





#25

2-Butanone

Concen: 22.849 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

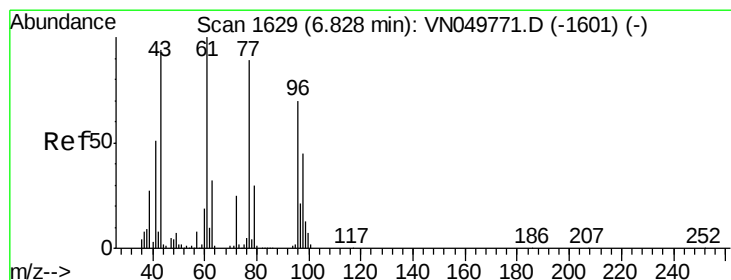
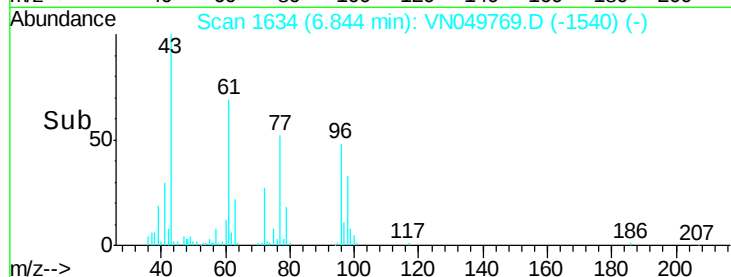
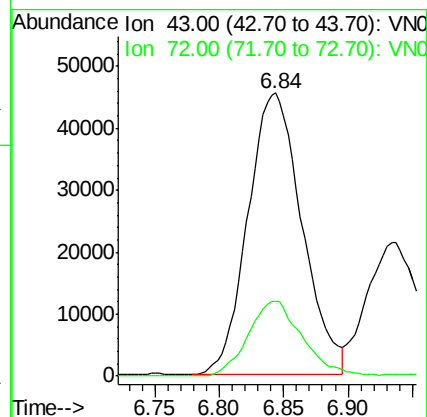
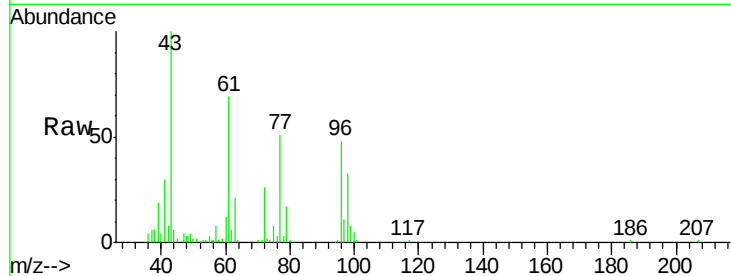
ClientSampled :

Tot Ion: 43 Resp: 132549

Ion Ratio Lower Upper

43 100

72 26.6 22.1 33.1



#26

2,2-Dichloropropane

Concen: 4.929 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VN049769.D

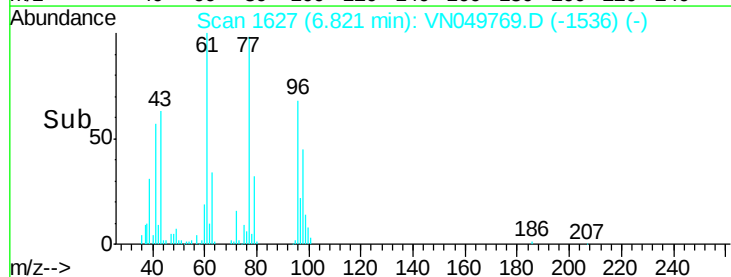
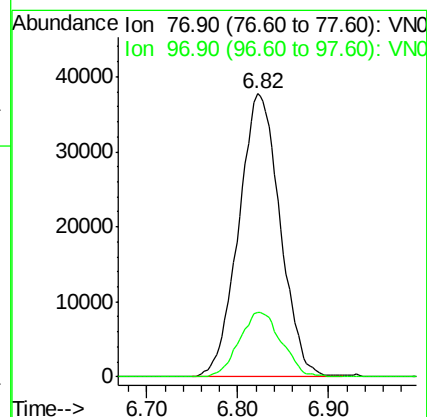
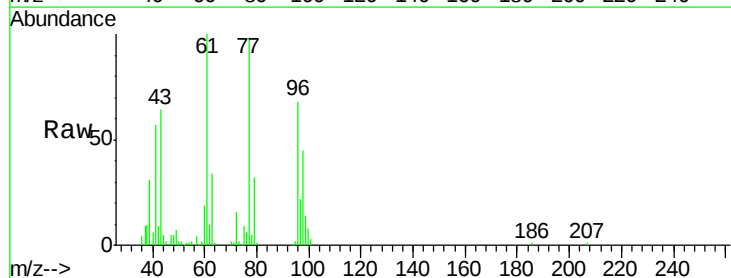
Acq: 12 Jul 2018 11:05

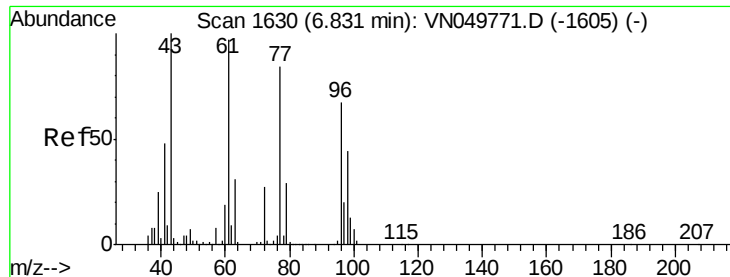
Tgt Ion: 77 Resp: 119213

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 4.896 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampled :

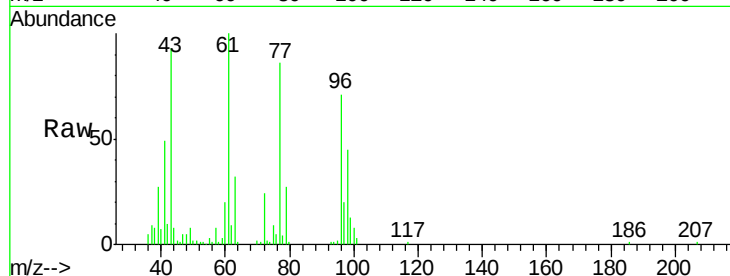
Tot Ion: 96 Resp: 84688

Ion Ratio Lower Upper

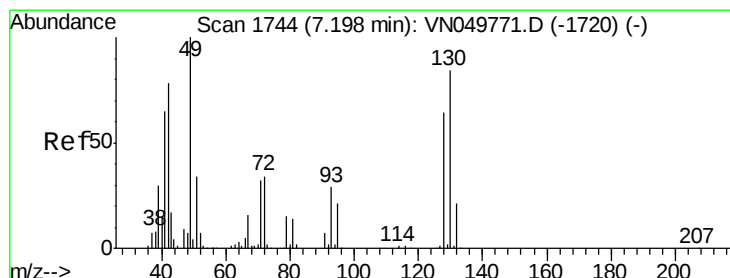
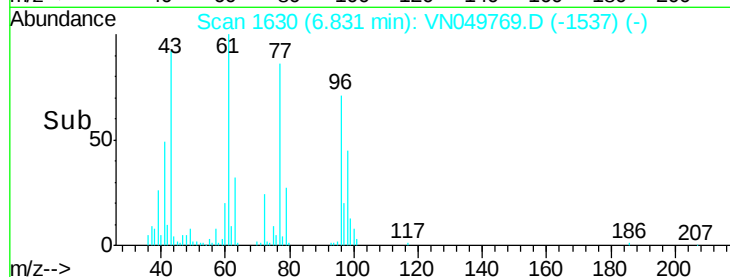
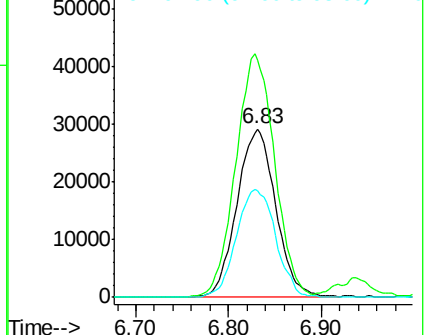
96 100

61 144.6 0.0 289.0

98 64.9 0.0 130.2



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



#28

Bromochloromethane

Concen: 4.933 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

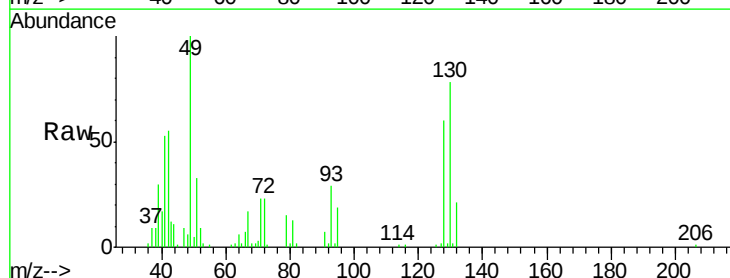
Tgt Ion: 49 Resp: 65390

Ion Ratio Lower Upper

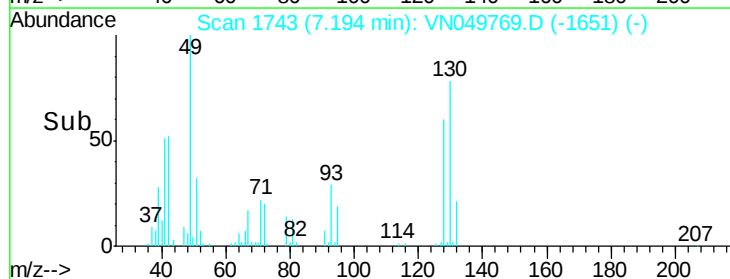
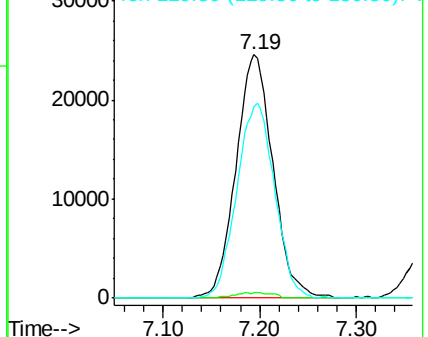
49 100

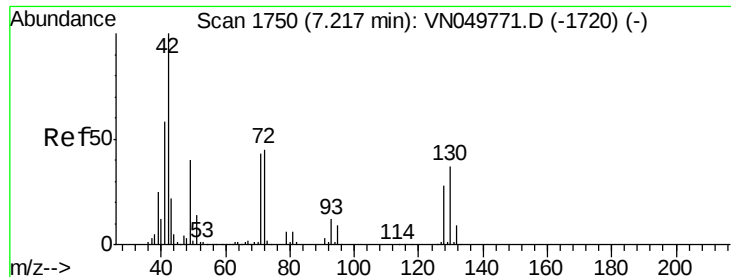
129 2.3 0.0 4.2

130 81.4 65.5 98.3



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

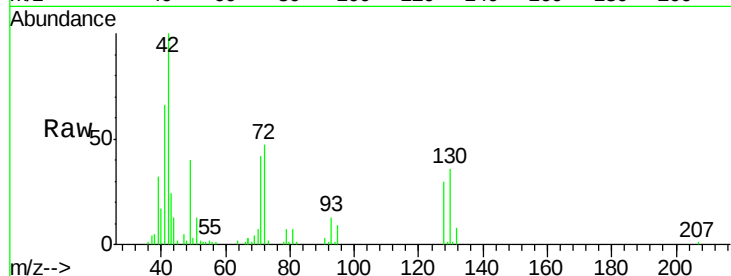




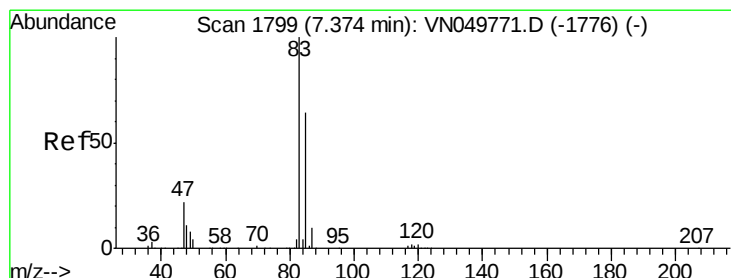
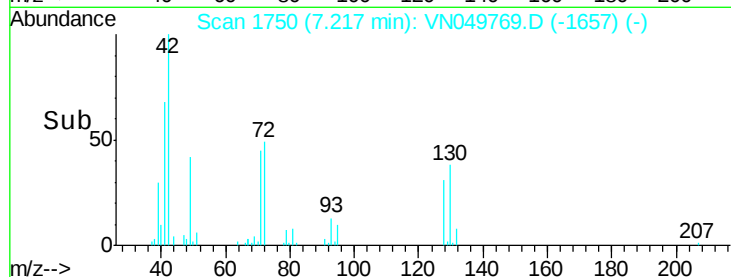
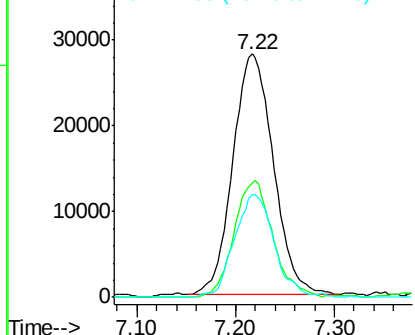
#29
Tetrahydrofuran
Concen: 22.112 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 80551
Ion Ratio Lower Upper
42 100
72 46.2 35.6 53.4
71 41.3 34.0 51.0

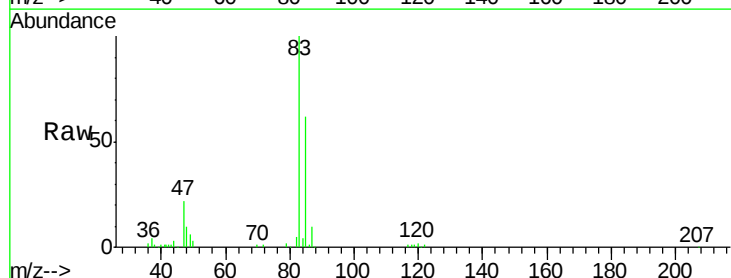


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

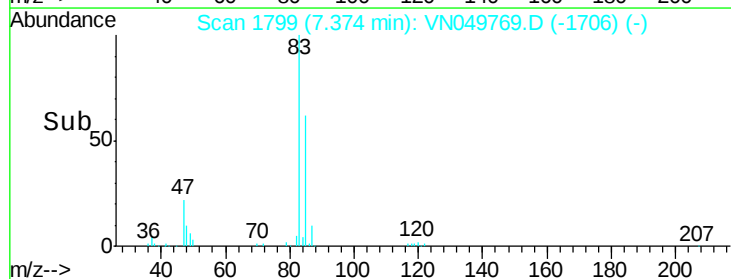
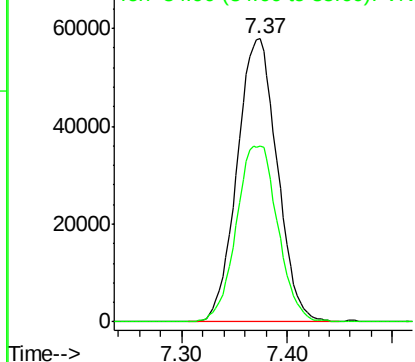


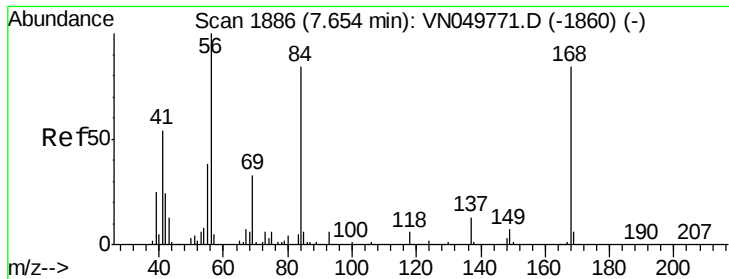
#30
Chloroform
Concen: 5.088 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion: 83 Resp: 152778
Ion Ratio Lower Upper
83 100
85 62.0 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: 5.285 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

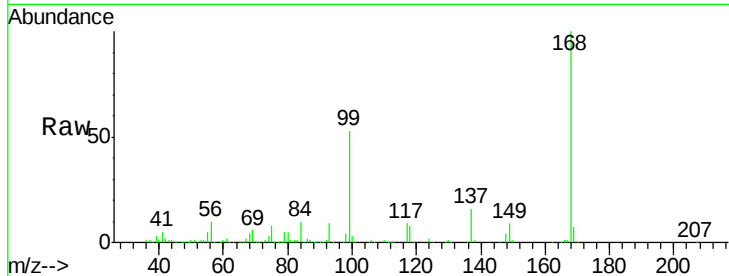
Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

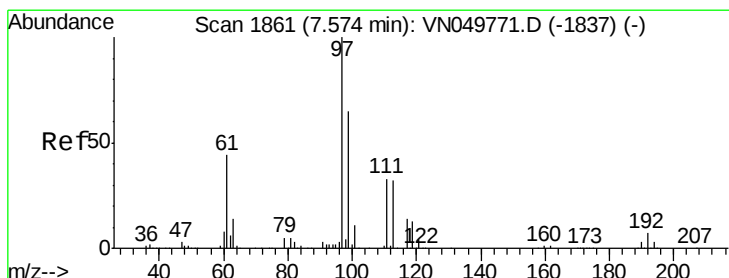
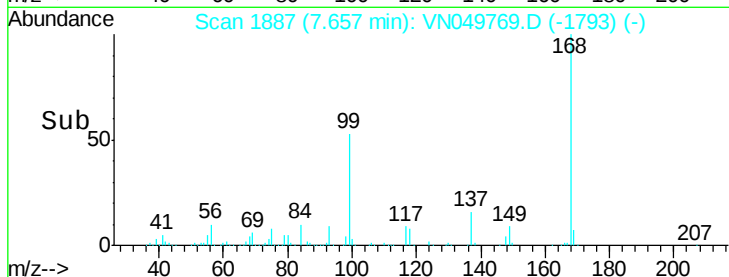
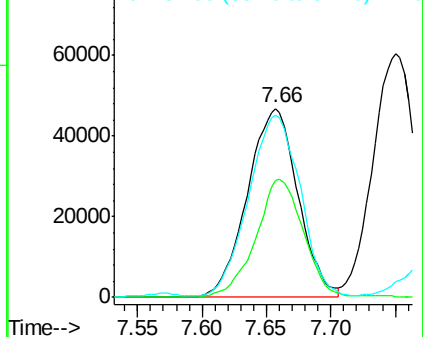
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 127865

Ion	Ratio	Lower	Upper
56	100		
69	62.0	26.6	40.0#
84	95.4	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: 5.027 ug/l

RT: 7.57 min Scan# 1860

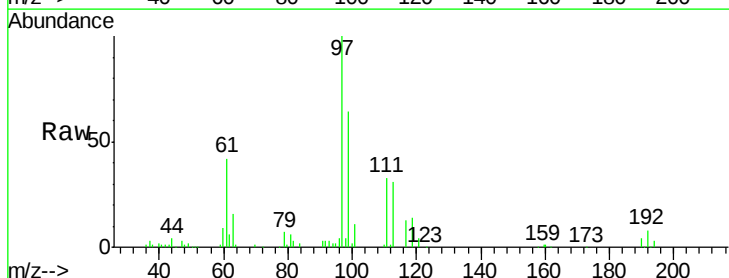
Delta R.T. -0.00 min

Lab File: VN049769.D

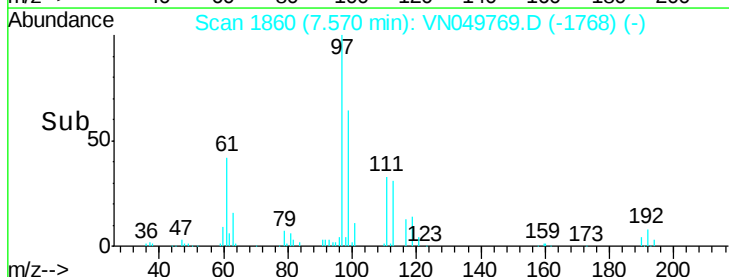
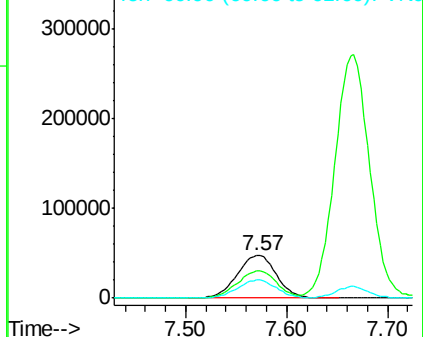
Acq: 12 Jul 2018 11:05

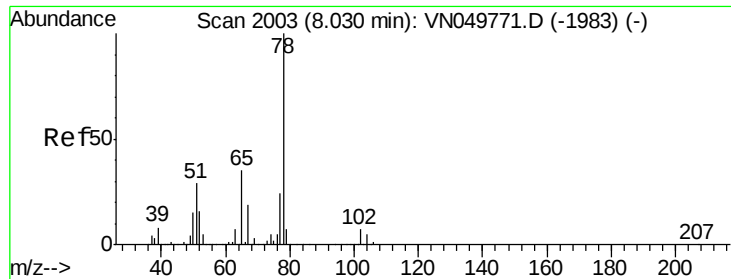
Tgt Ion: 97 Resp: 128207

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.4
61	42.0	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

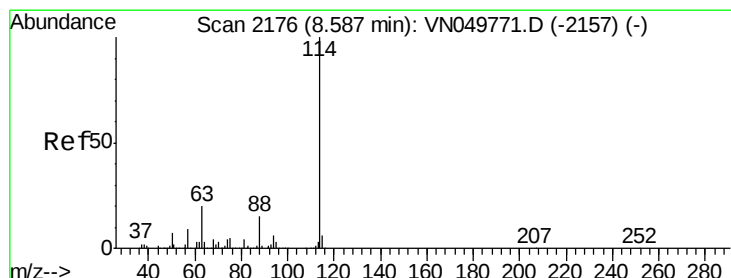
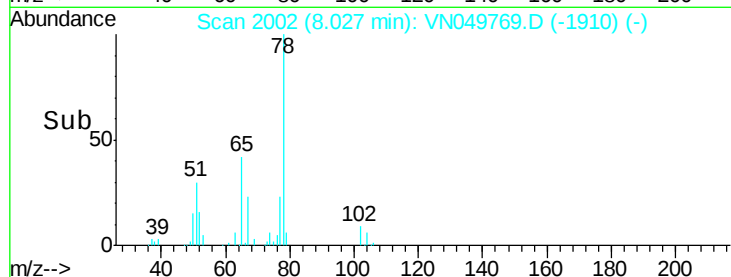
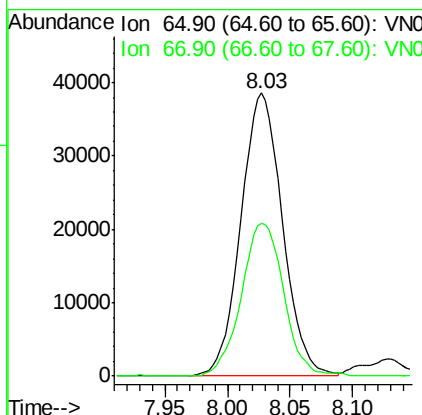
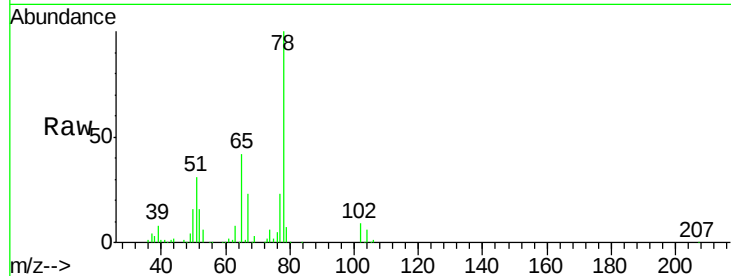




#33
 1,2-Dichloroethane-d4
 Concen: 5.979 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

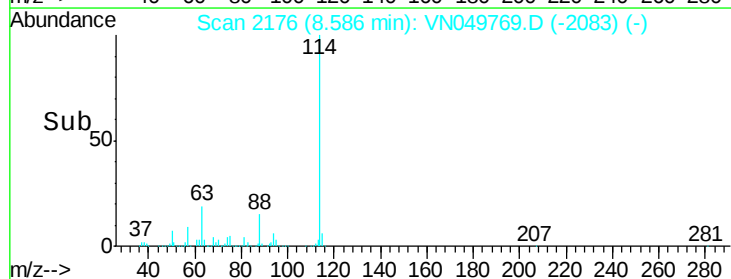
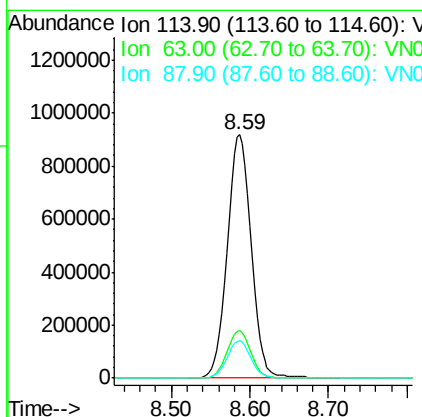
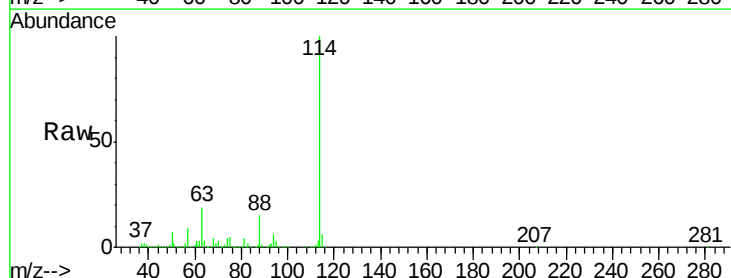
Instrument :
 MSVOA_N
 ClientSampleId :

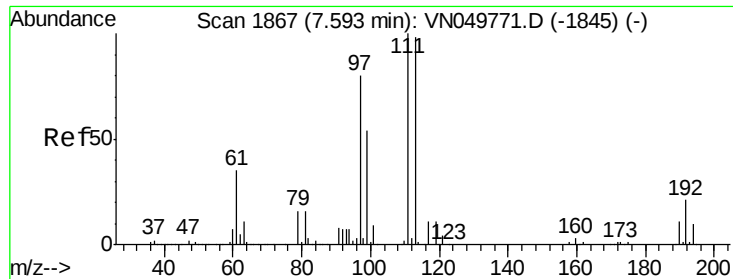
Tot Ion: 65 Resp: 89010
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion:114 Resp: 1923711
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 5.643 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

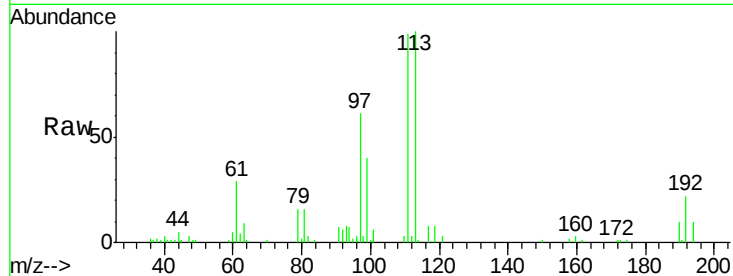
Tot Ion:113 Resp: 81826

Ion Ratio Lower Upper

113 100

111 100.8 81.8 122.8

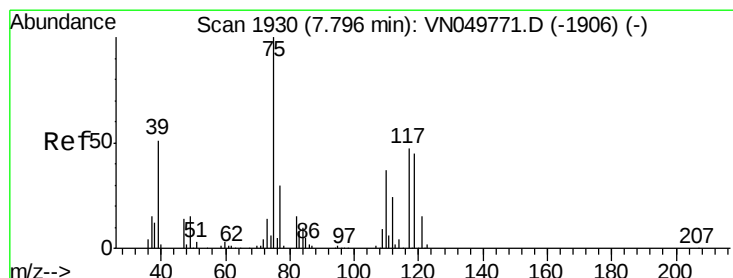
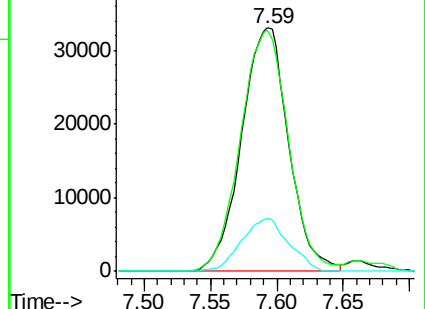
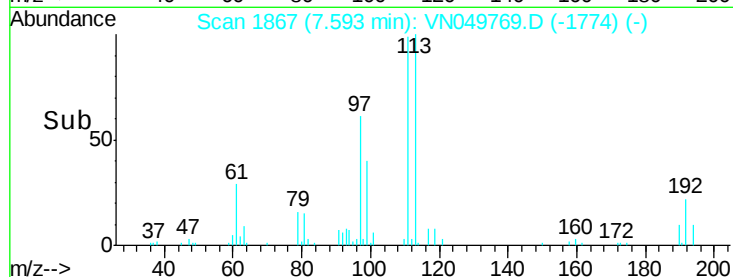
192 21.6 17.8 26.6



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: 4.856 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

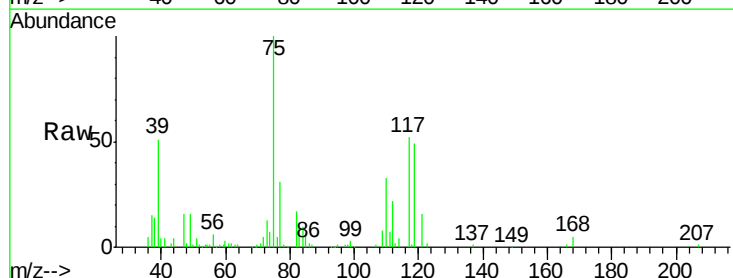
Tgt Ion: 75 Resp: 107646

Ion Ratio Lower Upper

75 100

110 35.5 18.1 54.4

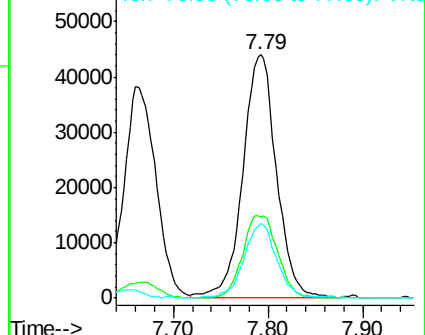
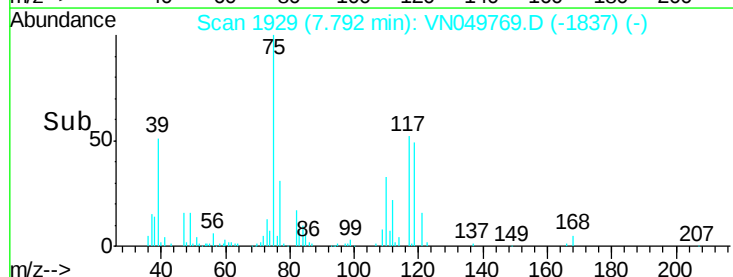
77 30.8 24.9 37.3

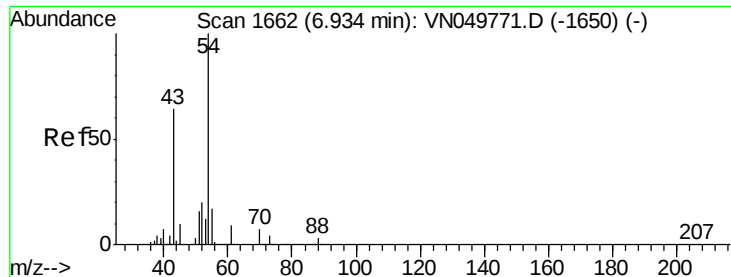


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

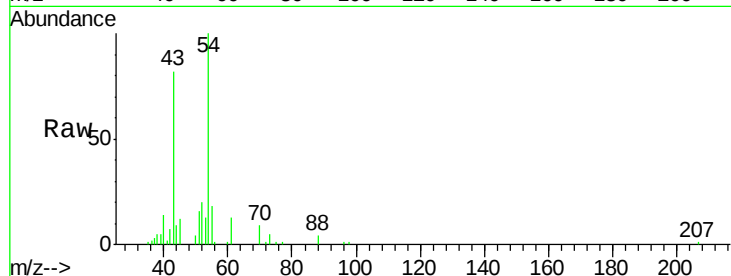




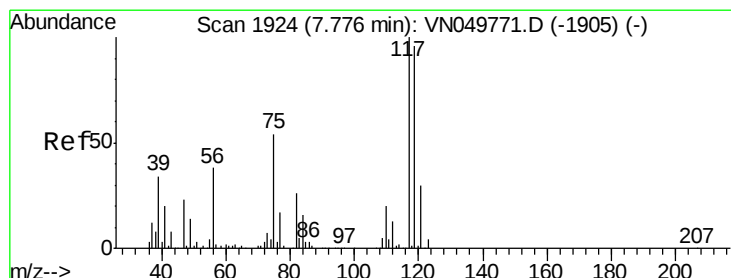
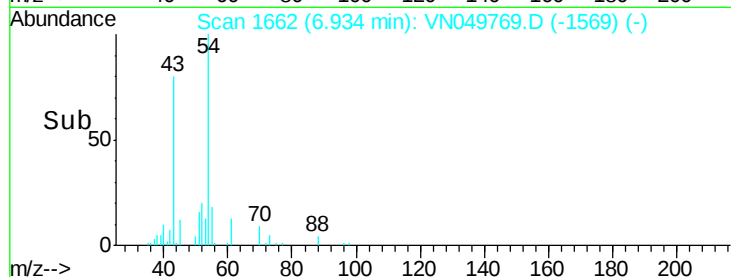
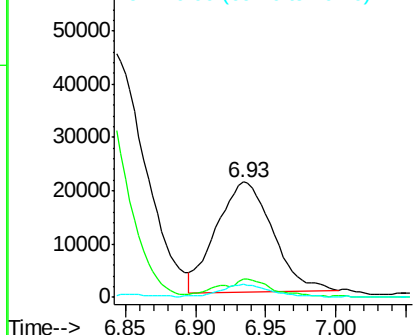
#37
Ethyl Acetate
Concen: 4.373 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 57376
Ion Ratio Lower Upper
43 100
61 14.8 11.7 17.5
70 11.1 8.4 12.6

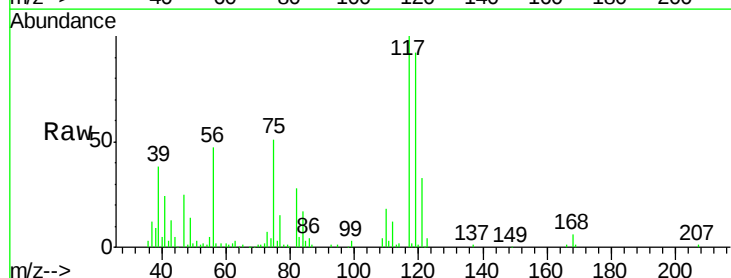


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

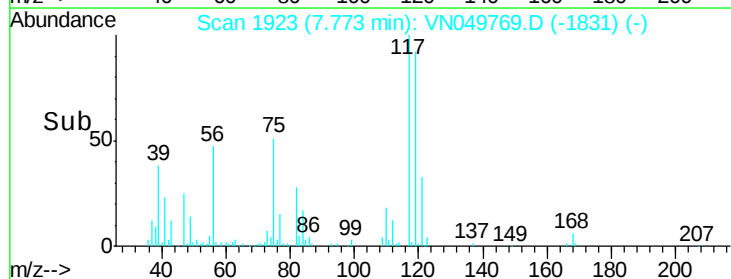
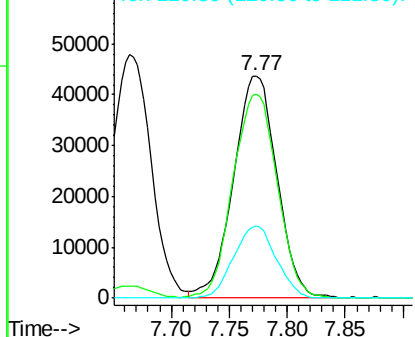


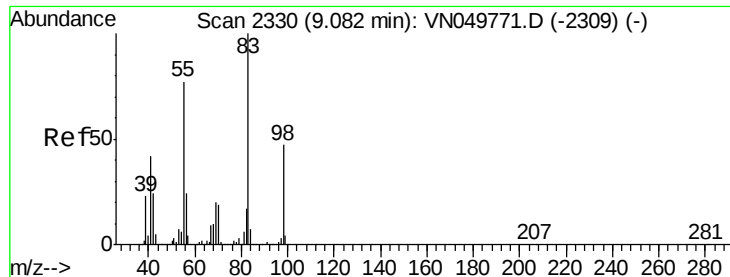
#38
Carbon Tetrachloride
Concen: 4.916 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion: 117 Resp: 113914
Ion Ratio Lower Upper
117 100
119 91.8 77.2 115.8
121 32.6 25.0 37.6



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

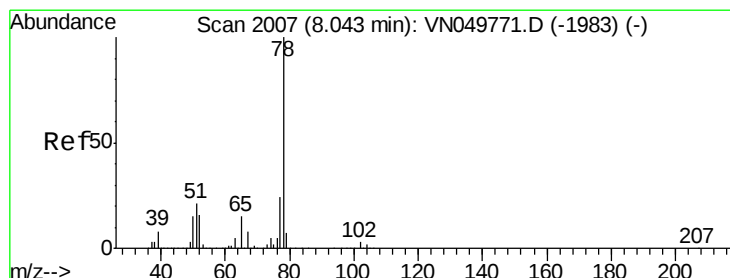
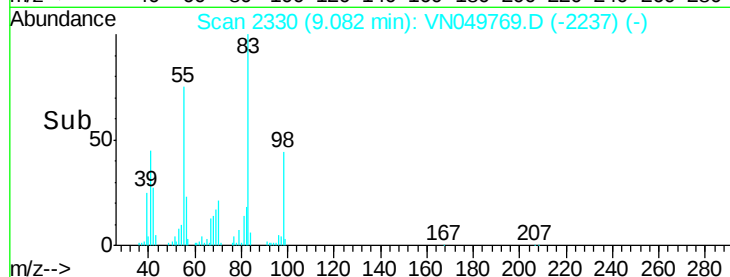
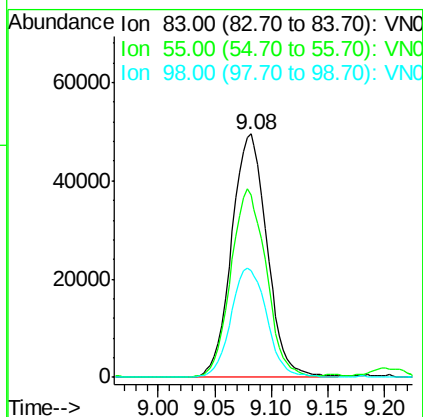
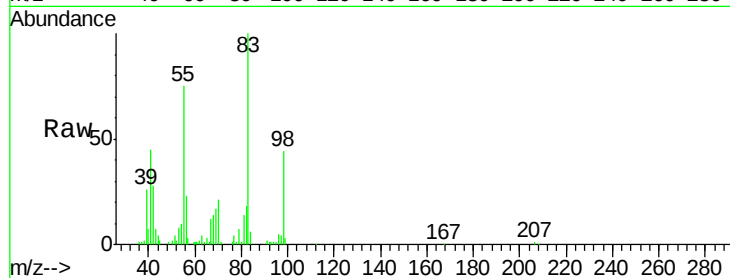




#39
Methvlcvclohexane
Concen: 4.627 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

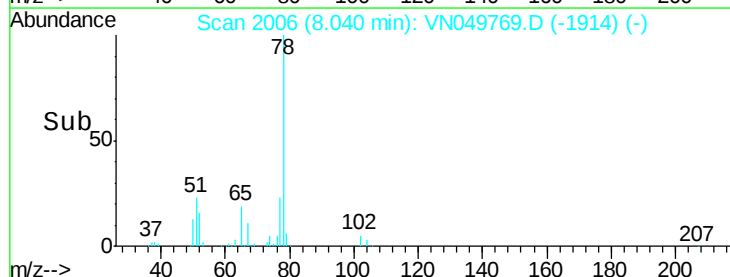
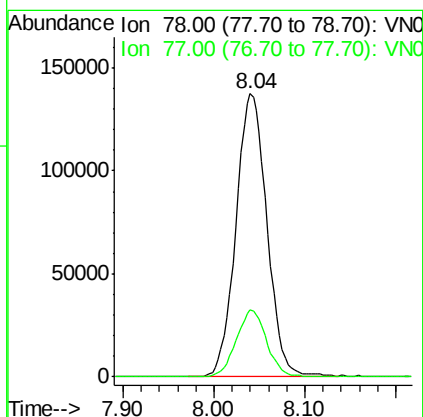
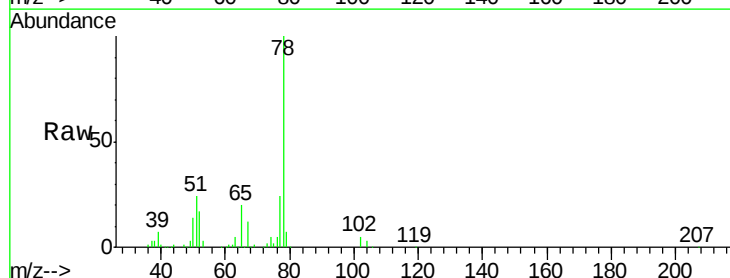
Instrument :
MSVOA_N
ClientSampleId :

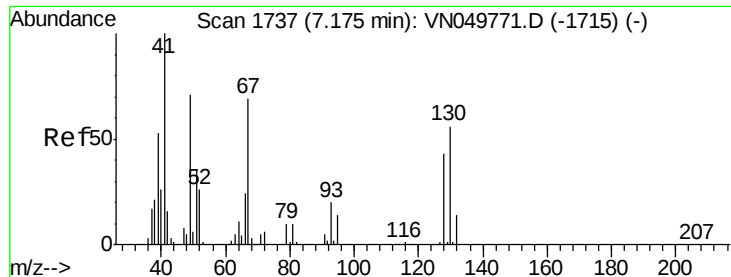
Tot Ion: 83 Resp: 108118
Ion Ratio Lower Upper
83 100
55 74.7 59.7 89.5
98 43.9 36.5 54.7



#40
Benzene
Concen: 4.903 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion: 78 Resp: 325139
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

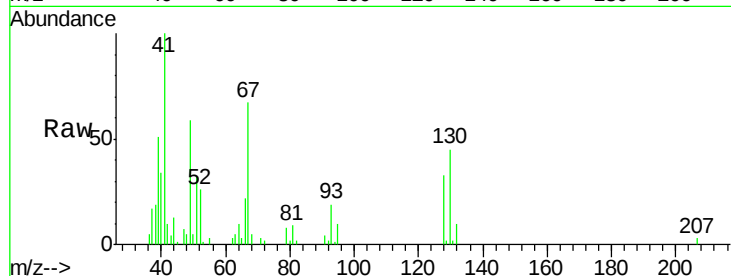




#41
Methacrylonitrile
Concen: 3.323 ug/l
RT: 7.17 min Scan# 1735
Delta R.T. -0.01 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.4	45.4	68.2
67	102.1	65.4	98.0#
52	43.3	24.7	37.1#

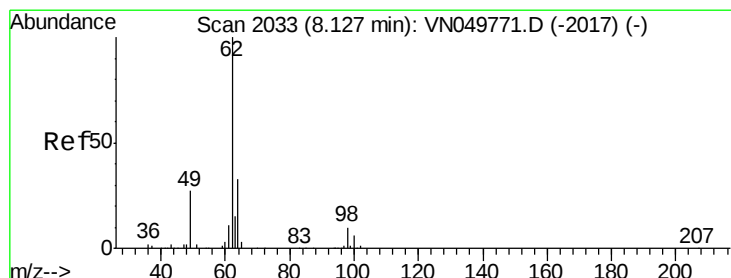
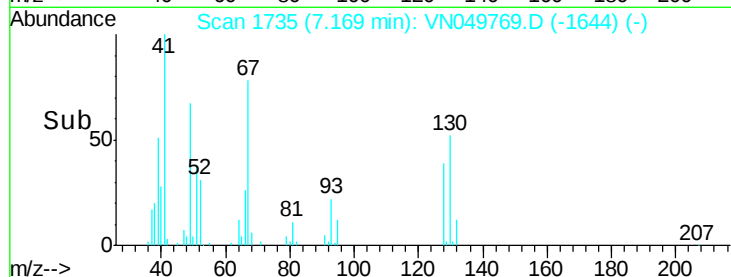
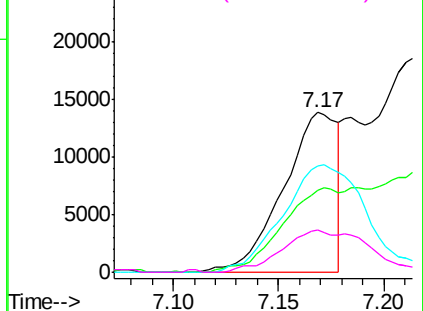


Abundance Ion 41.00 (40.70 to 41.70): VN049771.D (-1715) (-)

Ion 39.00 (38.70 to 39.70): VN049771.D (-1715) (-)

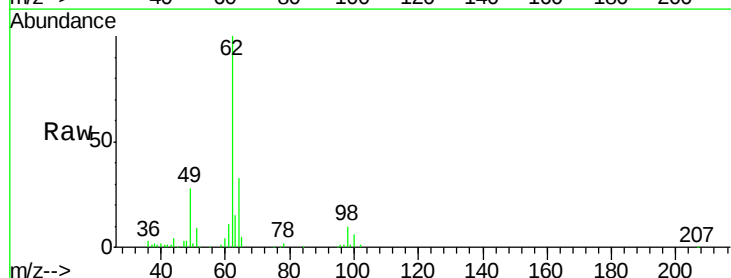
Ion 67.00 (66.70 to 67.70): VN049771.D (-1715) (-)

Ion 52.00 (51.70 to 52.70): VN049771.D (-1715) (-)



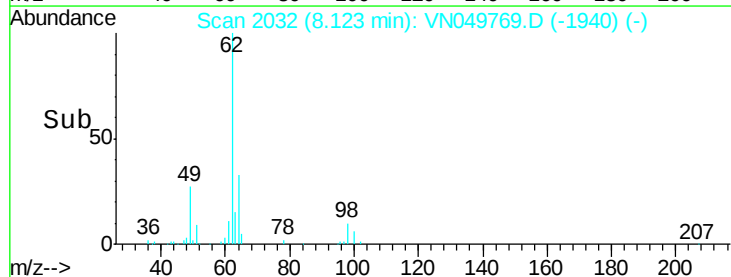
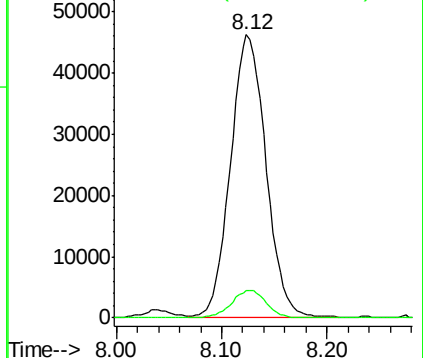
#42
1,2-Dichloroethane
Concen: 4.993 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

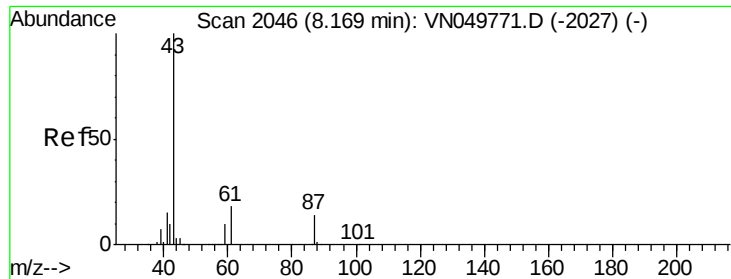
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VN049771.D (-1917) (-)

Ion 97.90 (97.60 to 98.60): VN049771.D (-1917) (-)





#43

Isopropyl Acetate

Concen: 4.509 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampled :

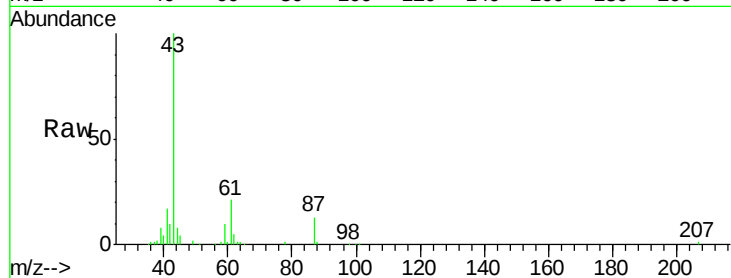
Tot Ion: 43 Resp: 106338

Ion Ratio Lower Upper

43 100

61 20.8 14.9 22.3

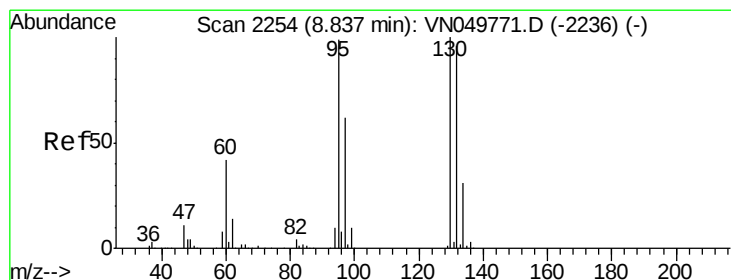
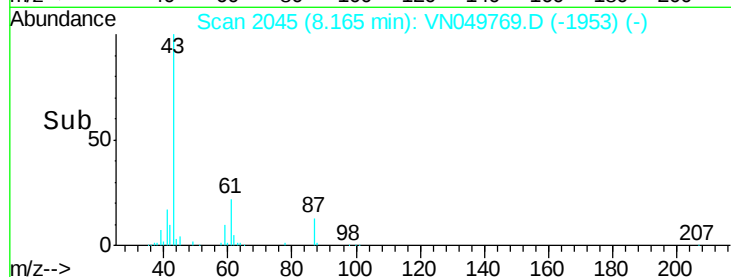
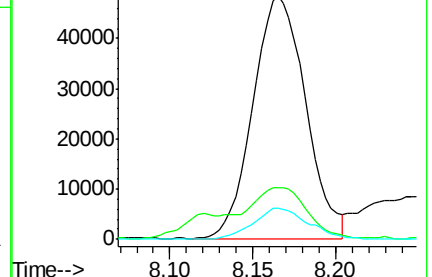
87 13.7 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN049771.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN049771.D (-2027) (-)



#44

Trichloroethene

Concen: 4.867 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049769.D

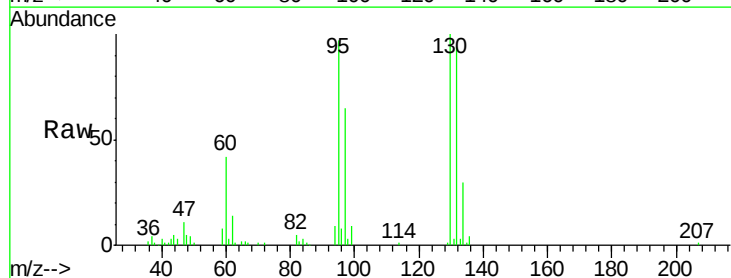
Acq: 12 Jul 2018 11:05

Tgt Ion:130 Resp: 86904

Ion Ratio Lower Upper

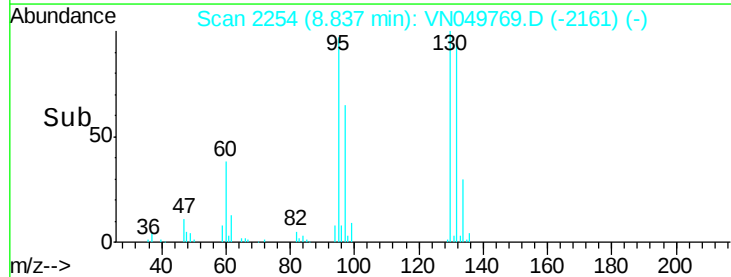
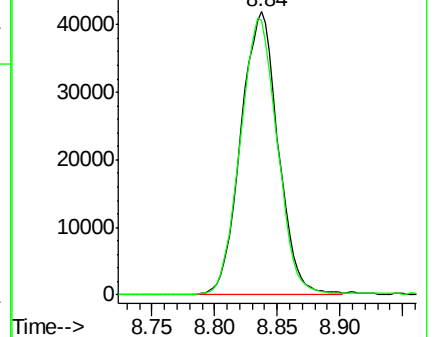
130 100

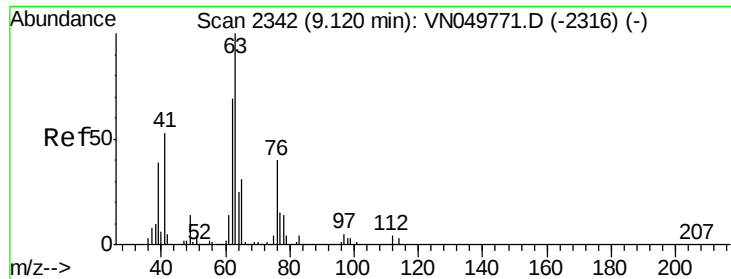
95 96.8 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049771.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049771.D (-2236) (-)





#45

1,2-Dichloropropane

Concen: 4.981 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

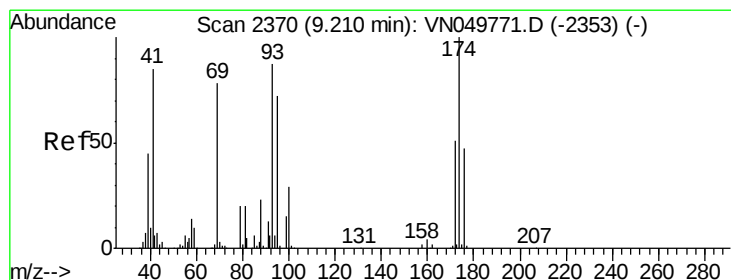
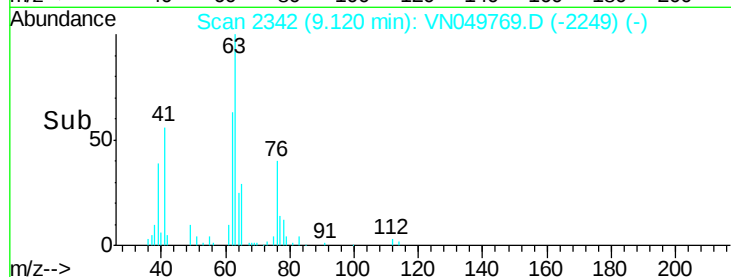
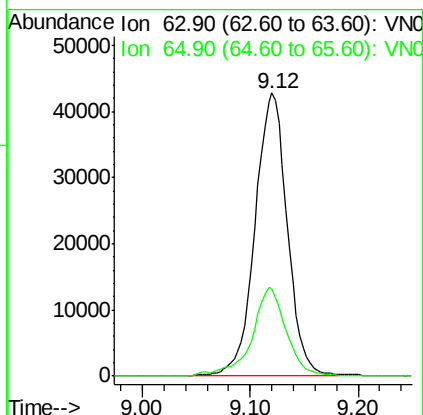
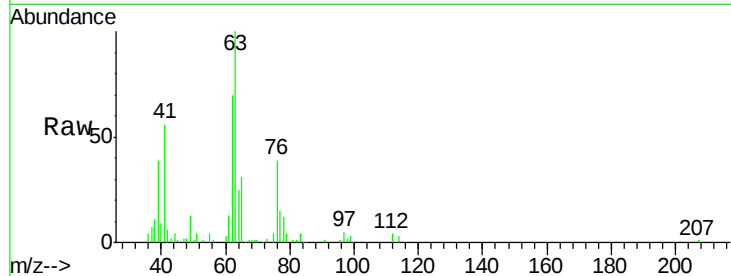
ClientSampleId :

Tot Ion: 63 Resp: 88776

Ion Ratio Lower Upper

63 100

65 30.9 24.7 37.1



#46

Dibromomethane

Concen: 4.936 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

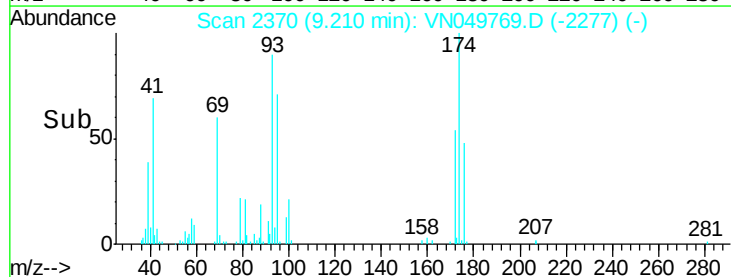
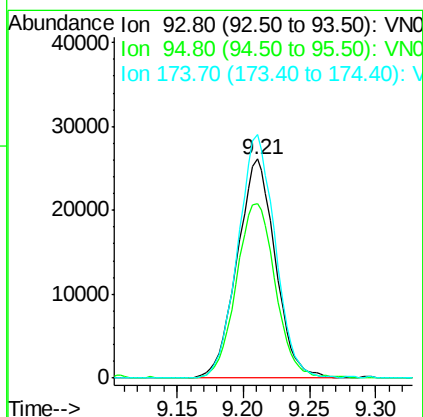
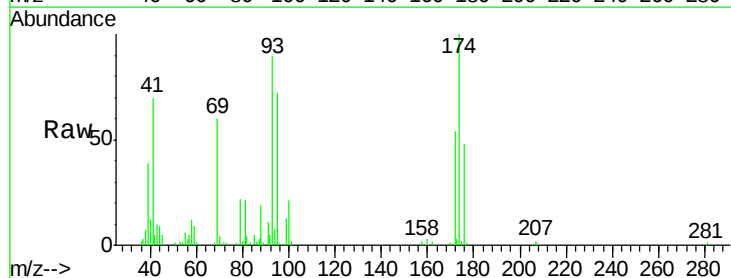
Tgt Ion: 93 Resp: 52250

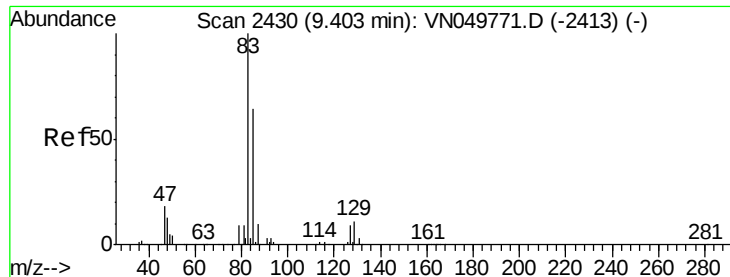
Ion Ratio Lower Upper

93 100

95 81.9 67.9 101.9

174 108.9 89.4 134.0





#47

Bromodichloromethane

Concen: 4.907 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

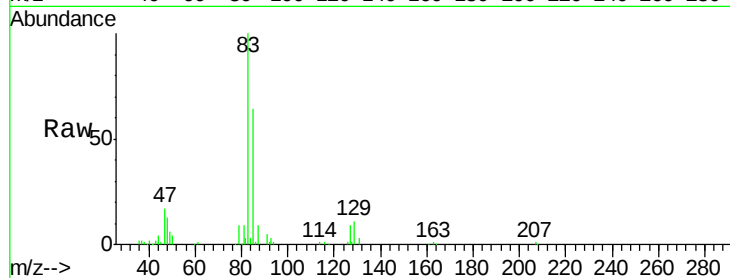
Tot Ion: 83 Resp: 114368

Ion Ratio Lower Upper

83 100

85 63.8 50.5 75.7

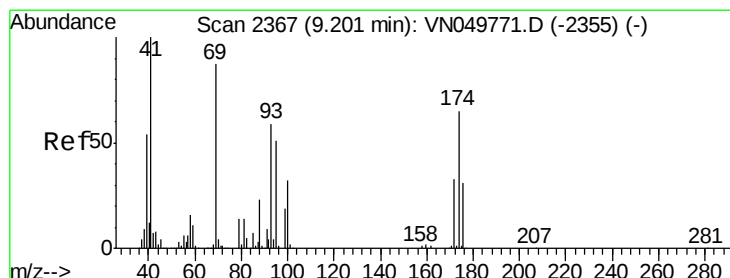
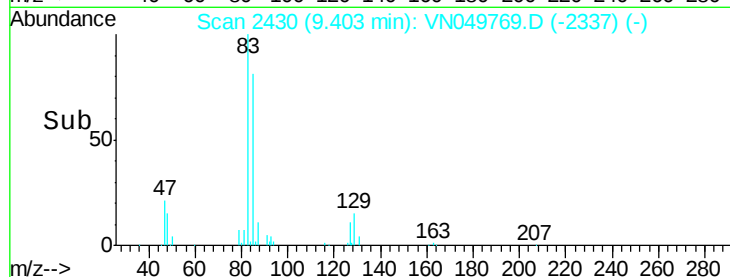
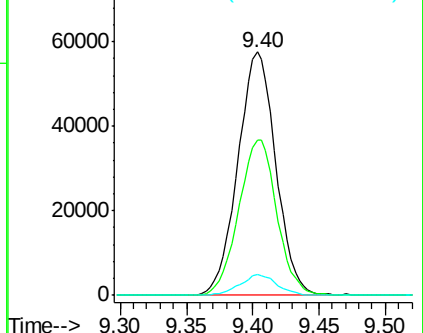
127 8.6 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049769.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049769.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049769.D (-2337) (-)



#48

Methyl methacrylate

Concen: 4.232 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

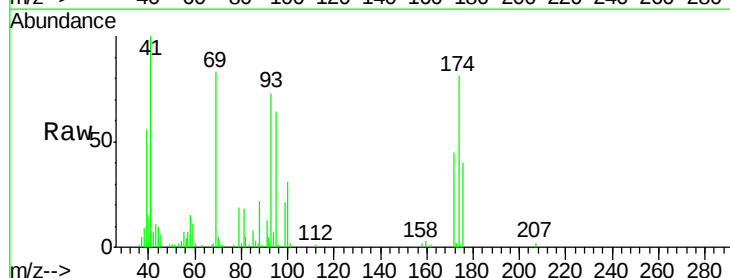
Tgt Ion: 41 Resp: 49904

Ion Ratio Lower Upper

41 100

69 86.7 71.5 107.3

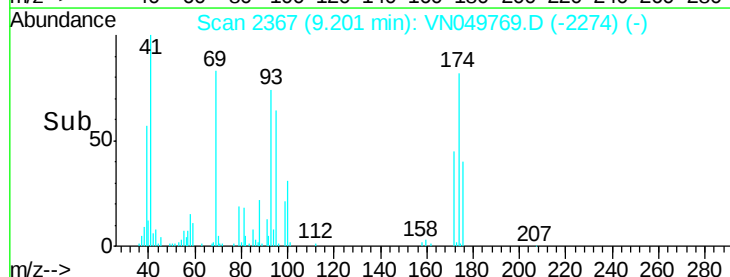
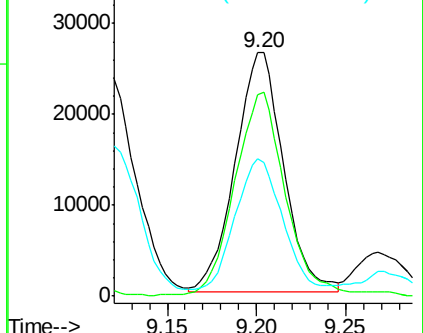
39 52.3 44.7 67.1

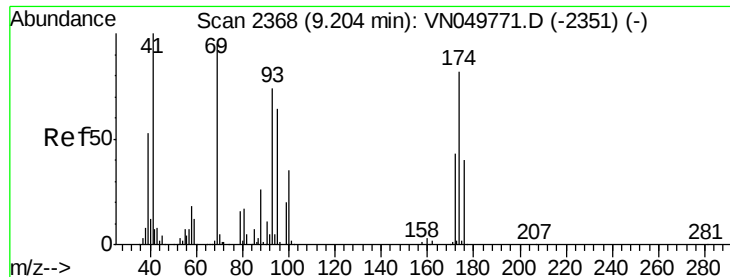


Abundance Ion 41.00 (40.70 to 41.70): VN049769.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049769.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049769.D (-2274) (-)

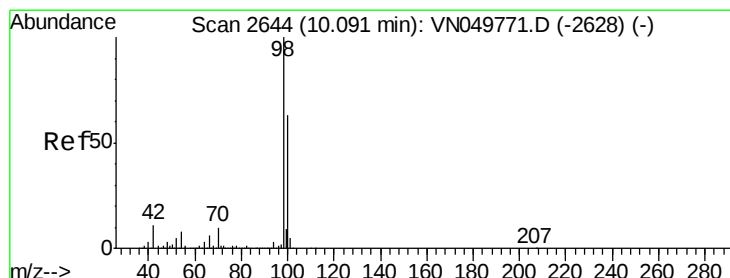
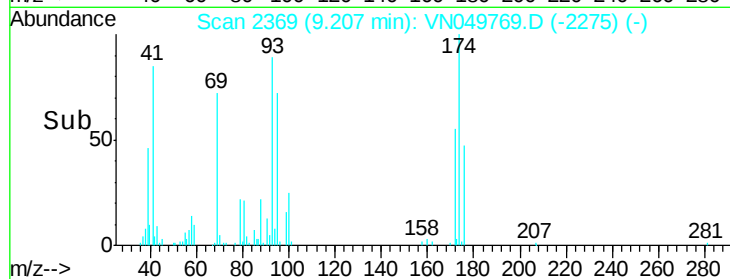
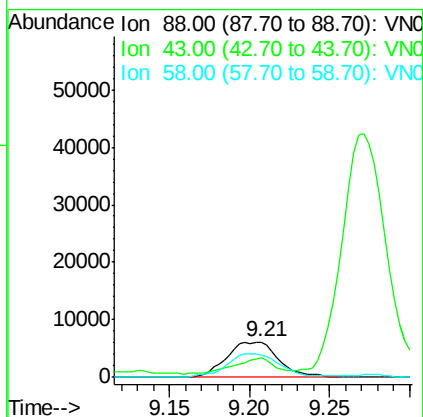
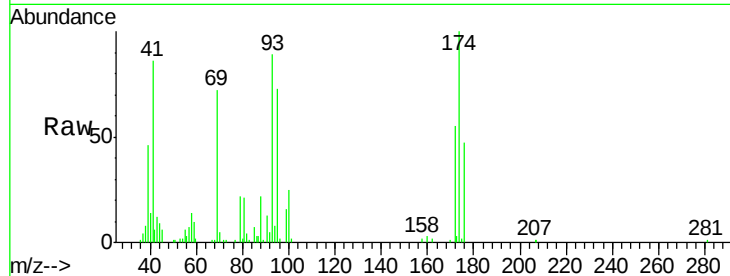




#49
1,4-Dioxane
Concen: 88.147 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

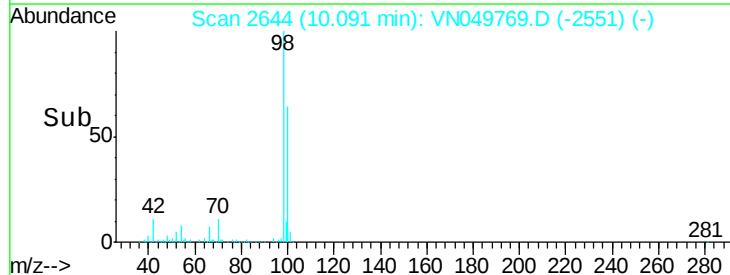
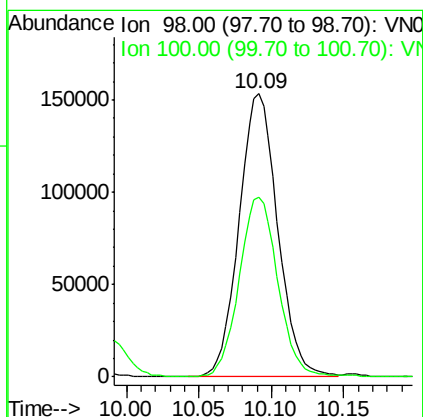
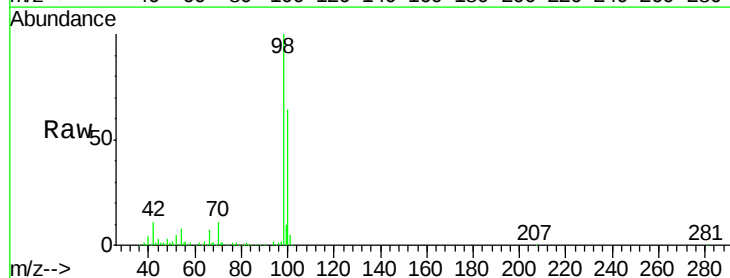
Instrument :
MSVOA_N
ClientSampled :

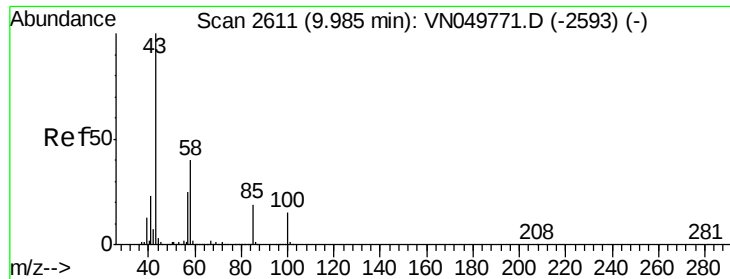
Tot Ion: 88 Resp: 13620
Ion Ratio Lower Upper
88 100
43 34.2 25.1 37.7
58 67.4 52.5 78.7



#50
Toluene-d8
Concen: 5.735 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion: 98 Resp: 284673
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5

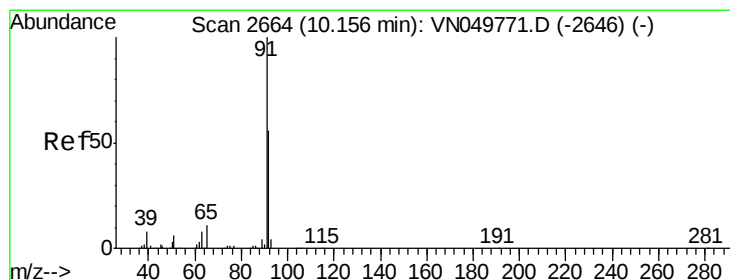
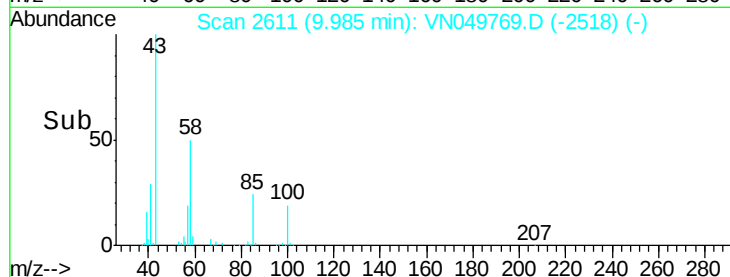
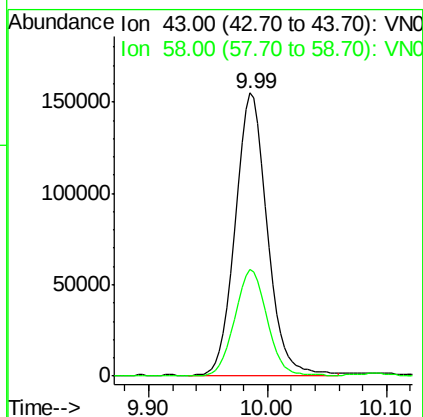
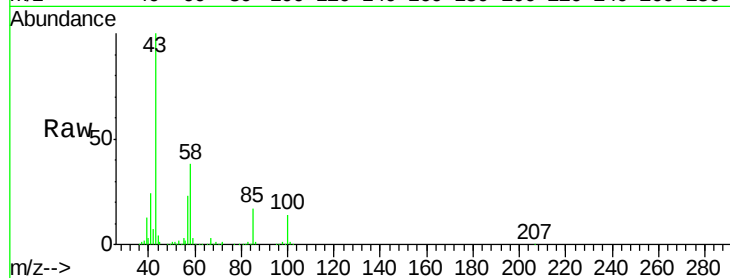




#51
4-Methyl-2-Pentanone
Concen: 22.447 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

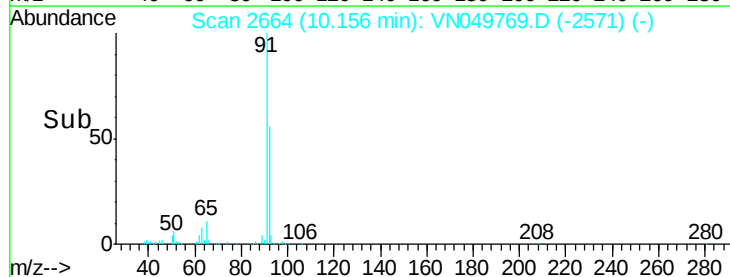
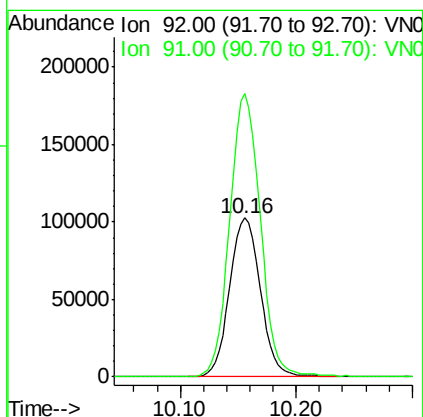
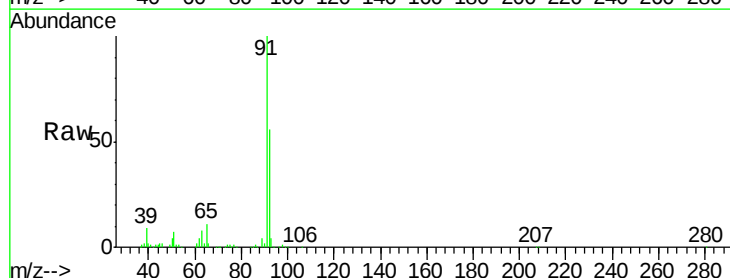
Instrument :
MSVOA_N
ClientSampleId :

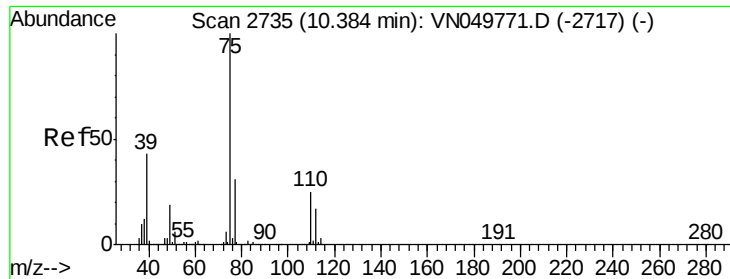
Tot Ion: 43 Resp: 287456
Ion Ratio Lower Upper
43 100
58 38.0 31.8 47.8



#52
Toluene
Concen: 4.792 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion: 92 Resp: 190211
Ion Ratio Lower Upper
92 100
91 176.4 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 4.431 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

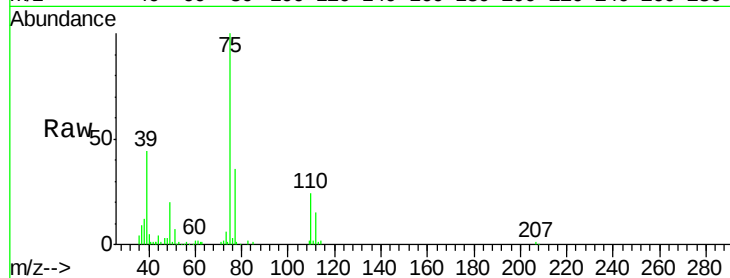
ClientSampled :

Tot Ion: 75 Resp: 99340

Ion Ratio Lower Upper

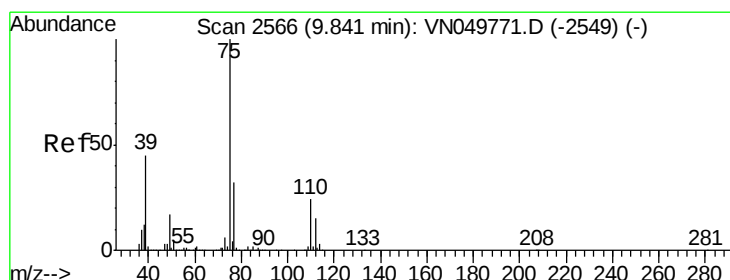
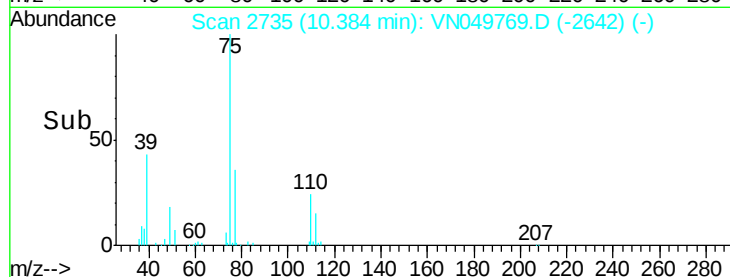
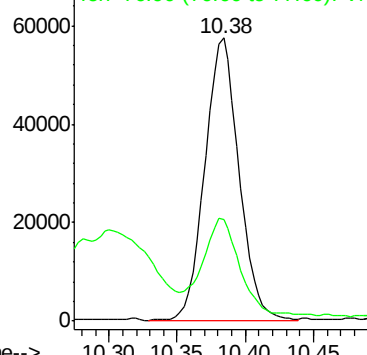
75 100

77 33.9 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.638 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

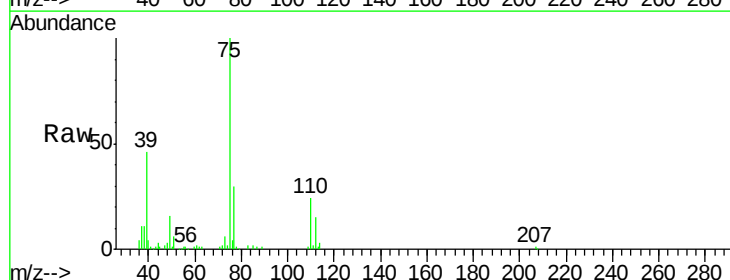
Tgt Ion: 75 Resp: 118438

Ion Ratio Lower Upper

75 100

77 29.8 25.3 37.9

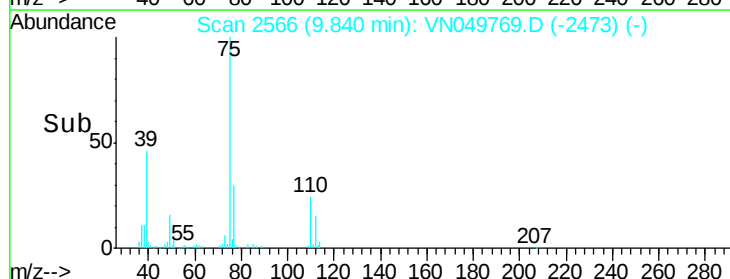
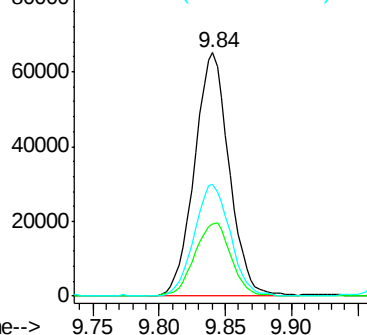
39 45.5 35.5 53.3

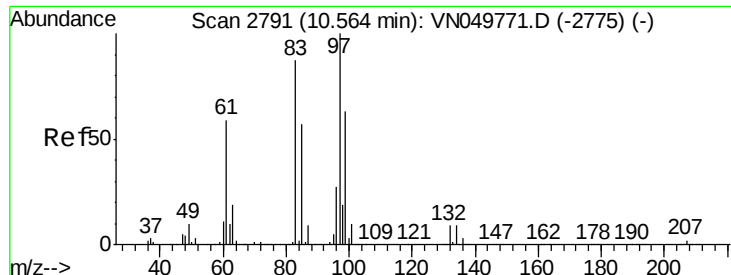


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

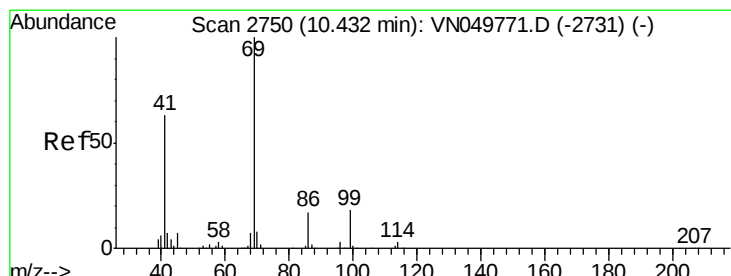
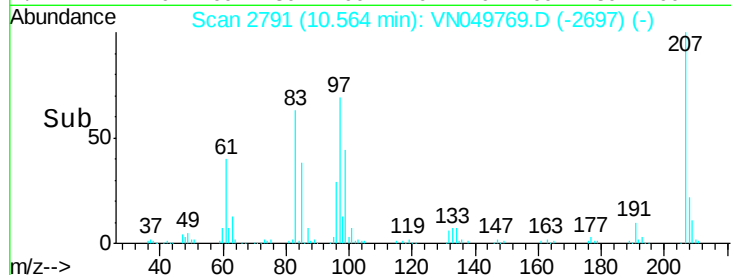
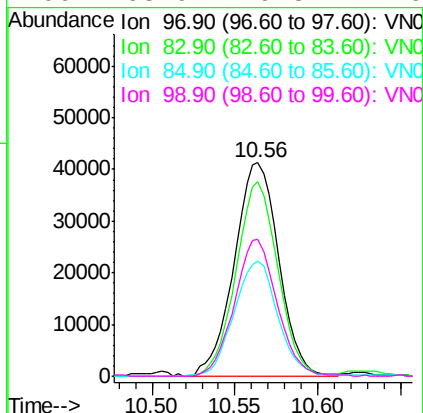
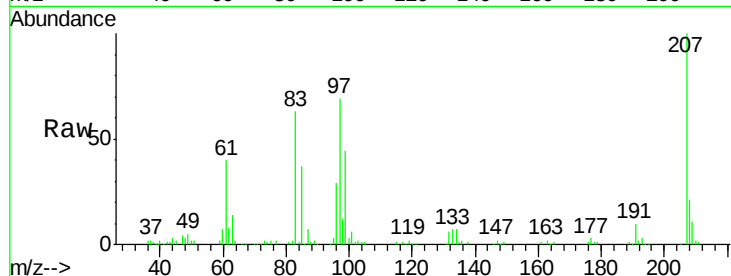




#55
 1,1,2-Trichloroethane
 Concen: 4.534 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

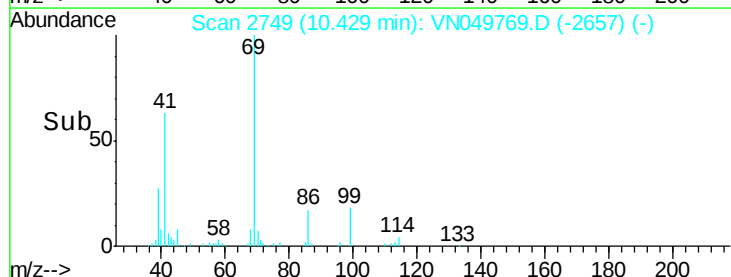
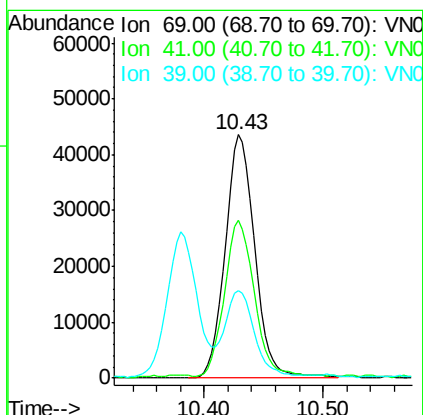
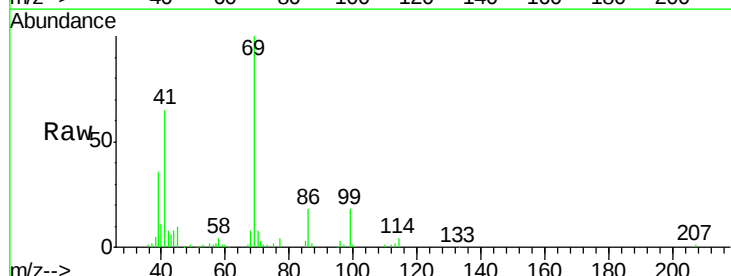
Instrument :
 MSVOA_N
 ClientSampleId :

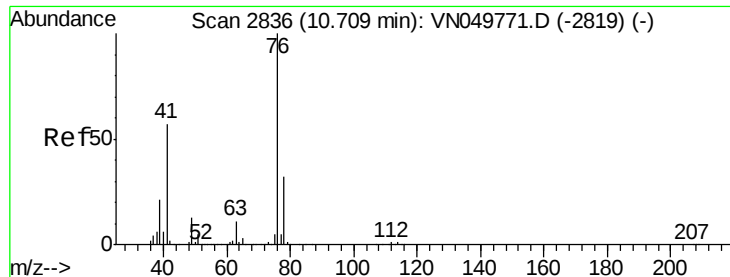
Tot Ion:	97	Resp:	77350
Ion	Ratio	Lower	Upper
97	100		
83	91.3	69.0	103.6
85	53.8	44.9	67.3
99	63.9	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 4.199 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion:	69	Resp:	75232
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.6	77.4
39	33.9	25.8	38.8





#57

1,3-Dichloropropane

Concen: 4.726 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

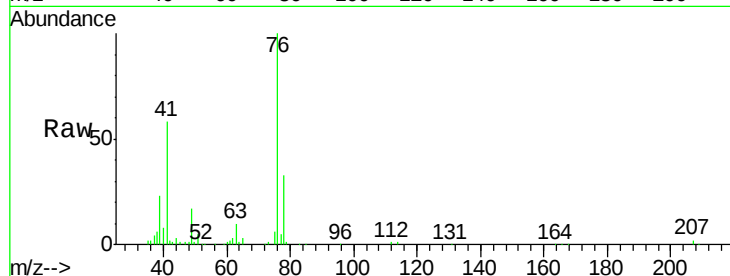
ClientSampled :

Tot Ion: 76 Resp: 119488

Ion Ratio Lower Upper

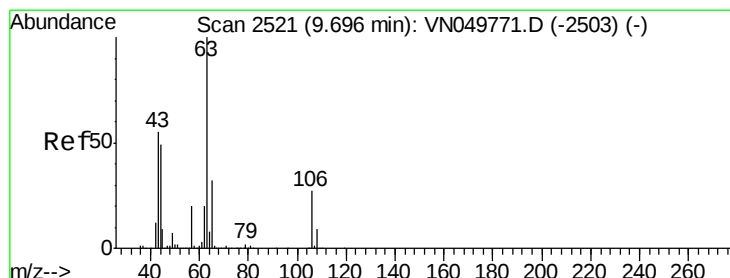
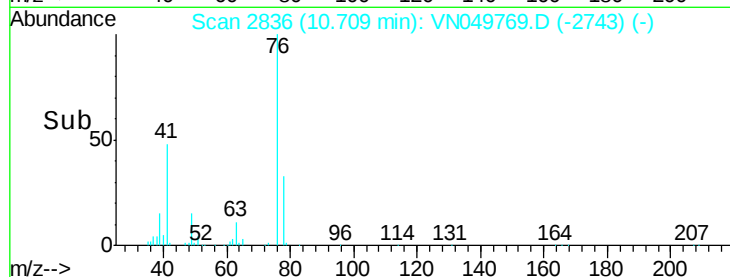
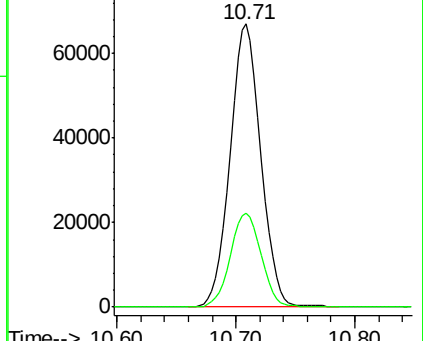
76 100

78 33.4 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN049771.D (-2819) (-)

Ion 77.90 (77.60 to 78.60): VN049771.D (-2819) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 20.194 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN049769.D

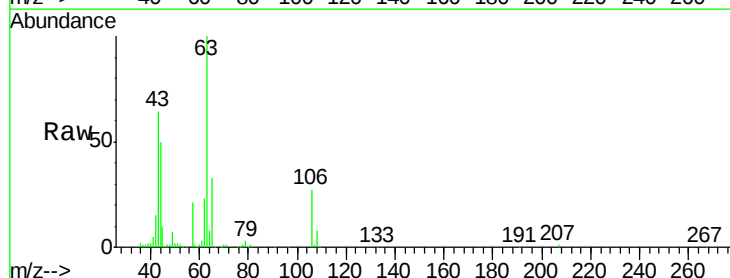
Acq: 12 Jul 2018 11:05

Tgt Ion: 63 Resp: 173511

Ion Ratio Lower Upper

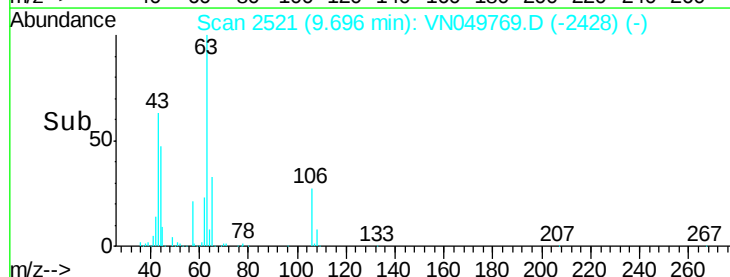
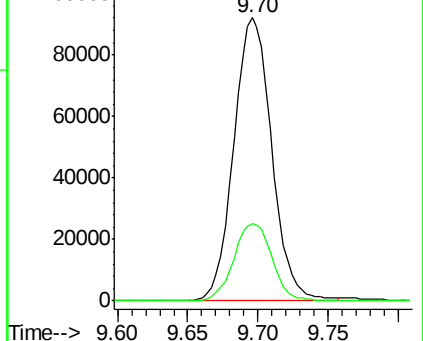
63 100

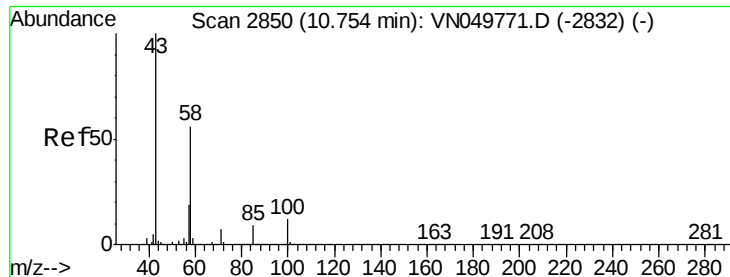
106 27.6 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN049771.D (-2503) (-)

Ion 105.90 (105.60 to 106.60): VN049771.D (-2503) (-)





#59

2-Hexanone

Concen: 21.249 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

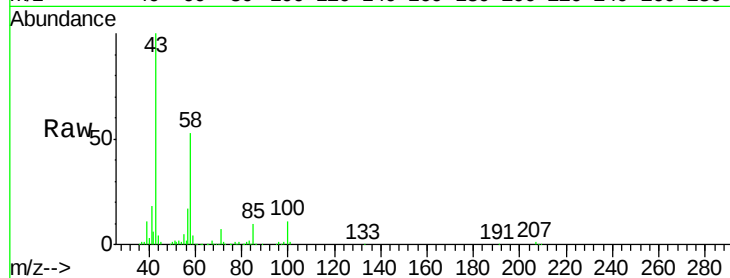
ClientSampled :

Tot Ion: 43 Resp: 180897

Ion Ratio Lower Upper

43 100

58 52.1 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-2832) (-)

Ion 58.00 (57.70 to 58.70): VN049771.D (-2832) (-)

10.75

10.75

10.75

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10.75

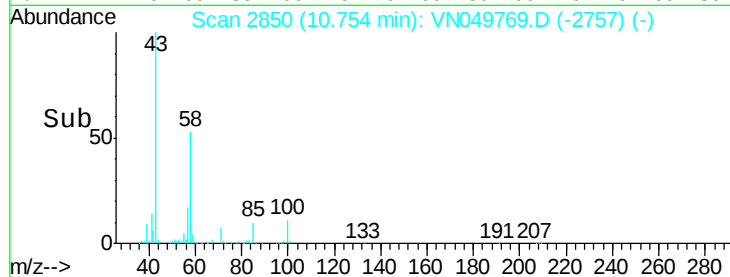
10.75

10.75

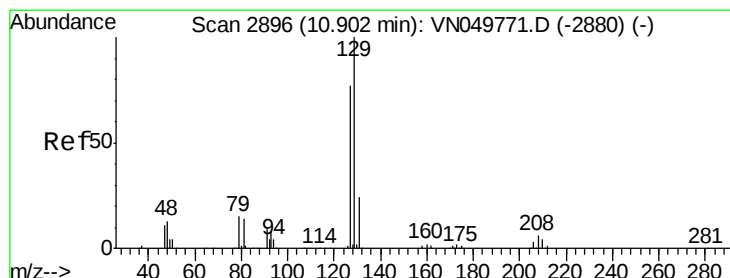
10.75

10.75

10.75



Time-->



#60

Dibromochloromethane

Concen: 4.706 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN049769.D

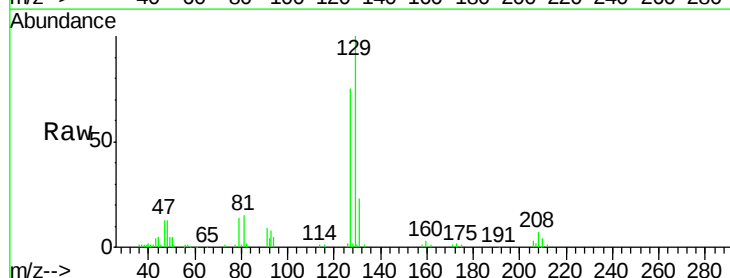
Acq: 12 Jul 2018 11:05

Tgt Ion: 129 Resp: 81829

Ion Ratio Lower Upper

129 100

127 76.4 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): VN049771.D (-2880) (-)

Ion 126.80 (126.50 to 127.50): VN049771.D (-2880) (-)

10.90

10.90

10.90

10.90

10.90

10.90

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10.90

10.90

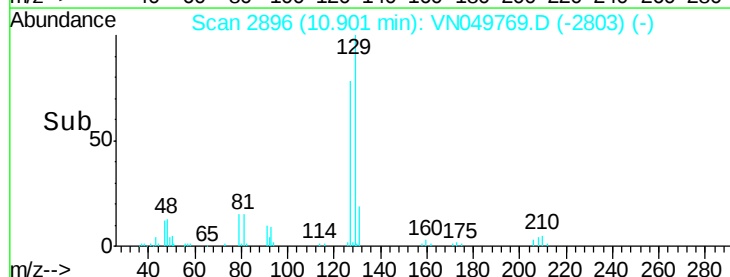
10.90

10.90

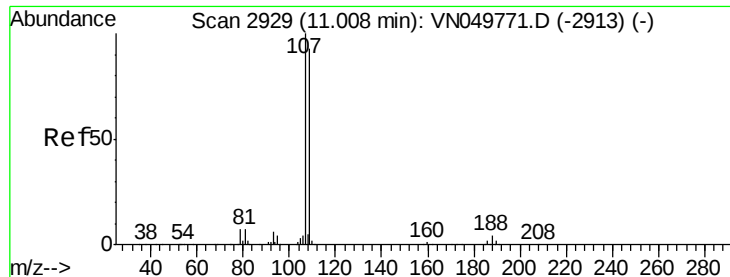
10.90

10.90

10.90



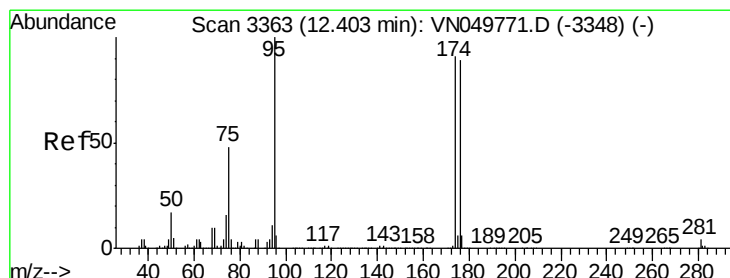
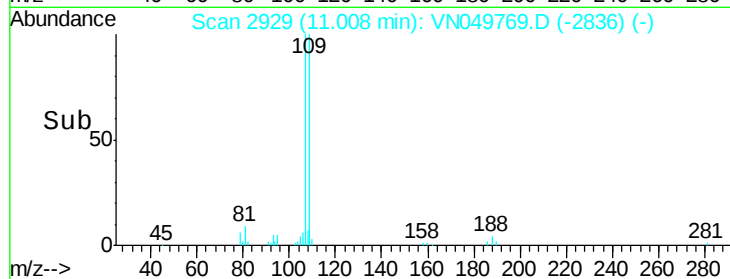
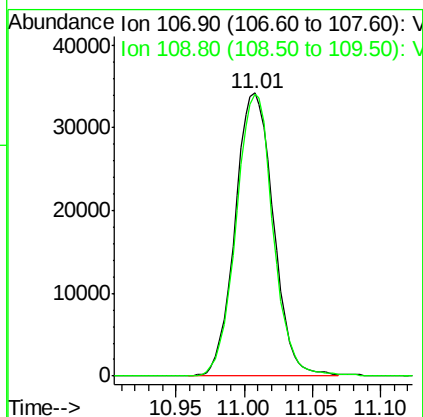
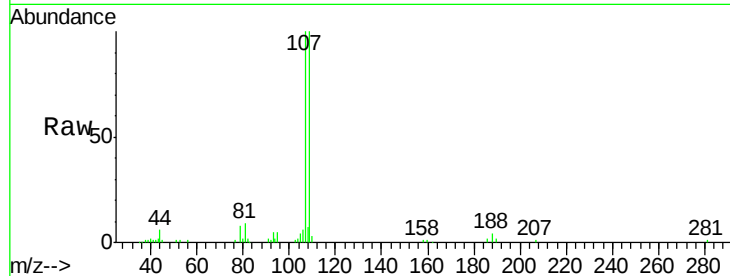
Time-->



#61
 1,2-Dibromoethane
 Concen: 4.620 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

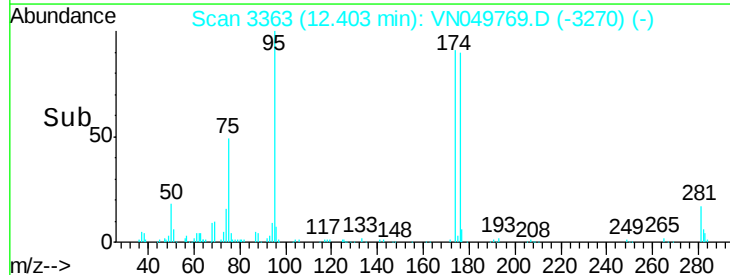
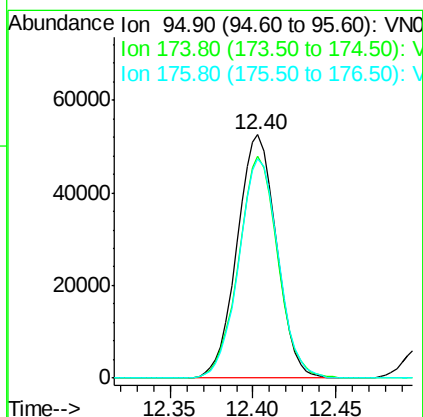
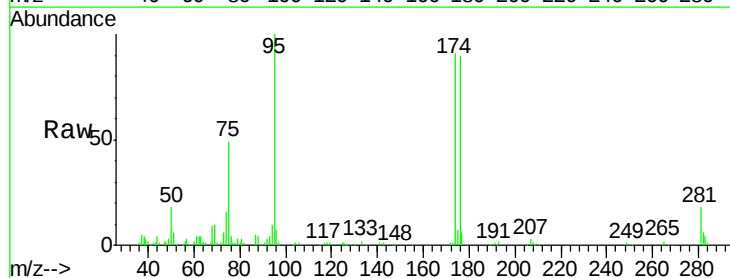
Instrument :
 MSVOA_N
 ClientSampleId :

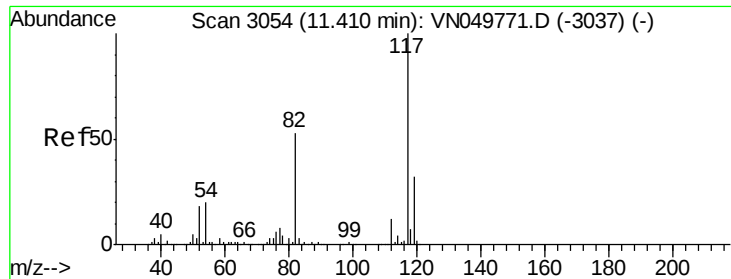
Tot Ion:107 Resp: 66726
 Ion Ratio Lower Upper
 107 100
 109 96.2 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 4.898 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion: 95 Resp: 86827
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 179.6
 176 90.5 0.0 174.0

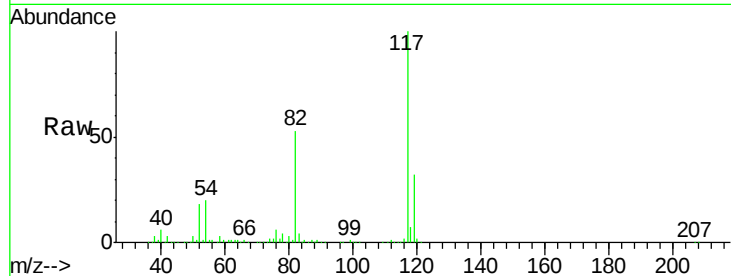




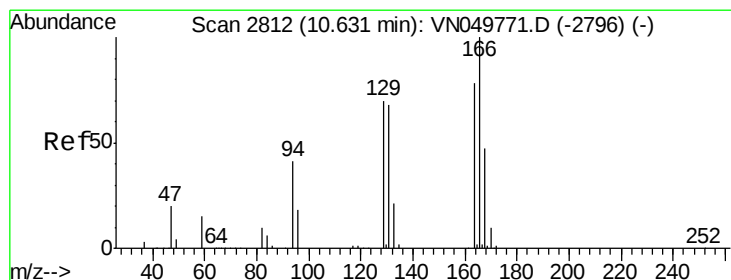
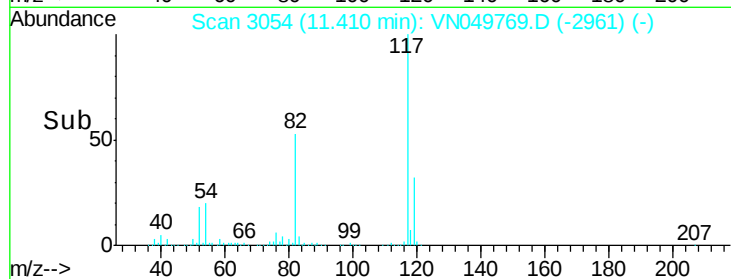
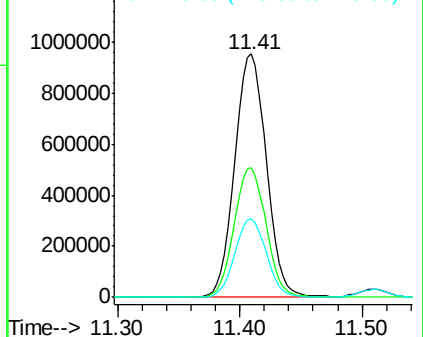
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1714484
Ion Ratio Lower Upper
117 100
82 53.5 41.9 62.9
119 32.3 25.4 38.2

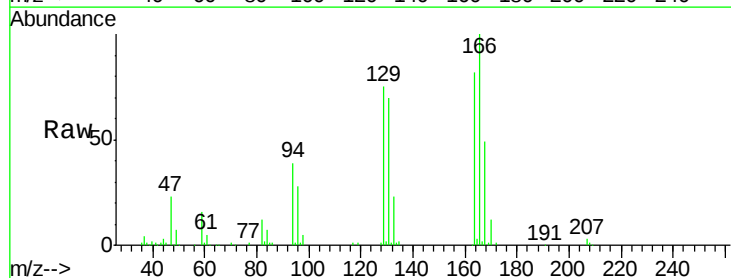


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

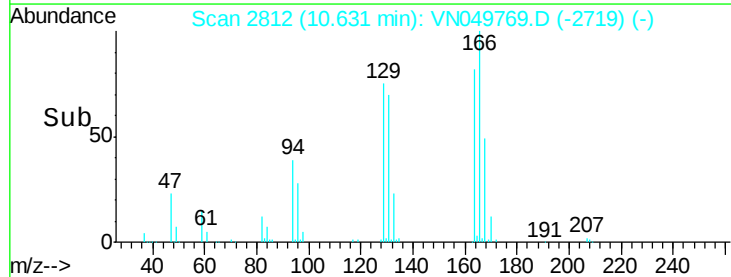
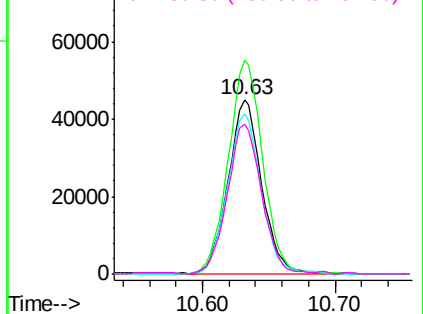


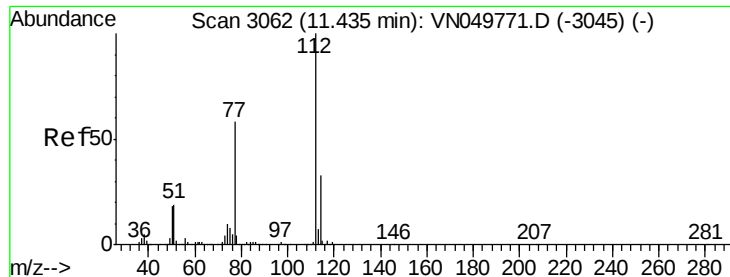
#64
Tetrachloroethene
Concen: 5.072 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion:164 Resp: 78960
Ion Ratio Lower Upper
164 100
166 122.7 101.8 152.6
129 91.9 72.8 109.2
131 86.1 70.0 105.0



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





#65

Chlorobenzene

Concen: 4.913 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

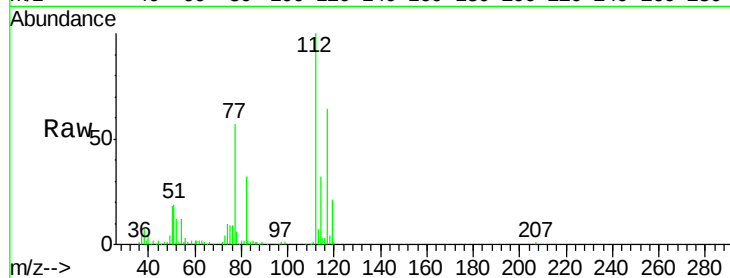
ClientSampled :

Tot Ion:112 Resp: 219432

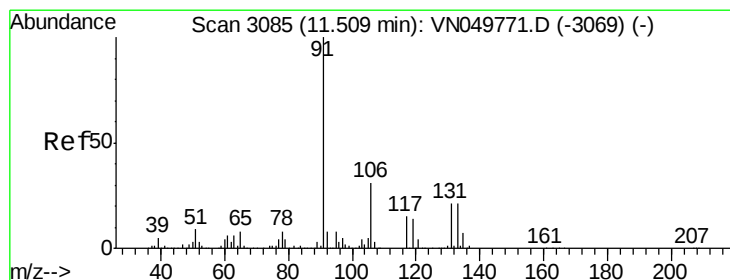
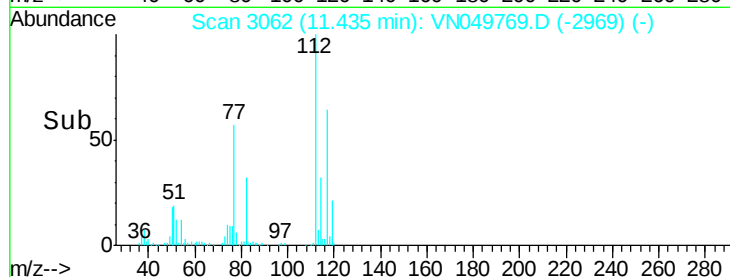
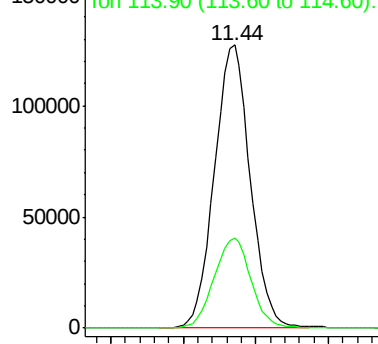
Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.845 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

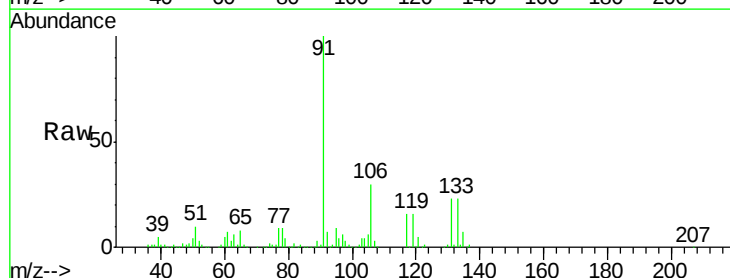
Tgt Ion:131 Resp: 81410

Ion Ratio Lower Upper

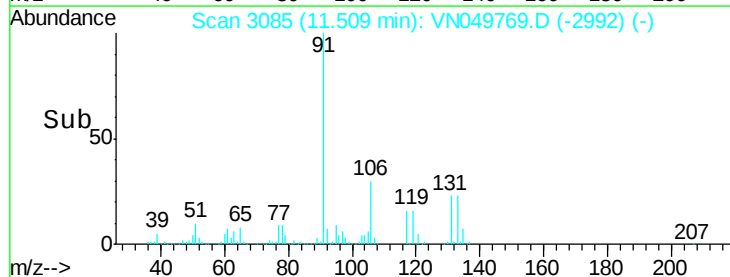
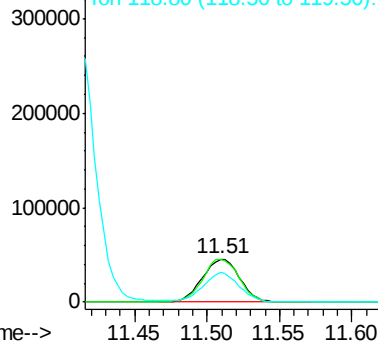
131 100

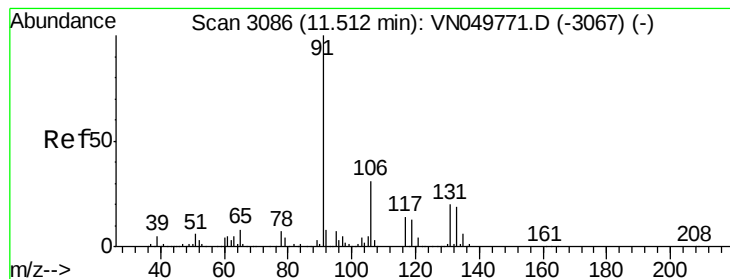
133 98.4 47.5 142.6

119 66.5 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 4.684 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

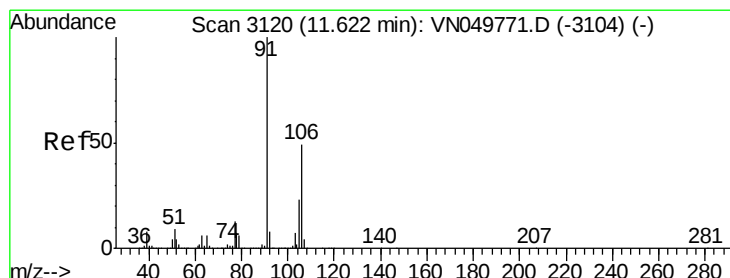
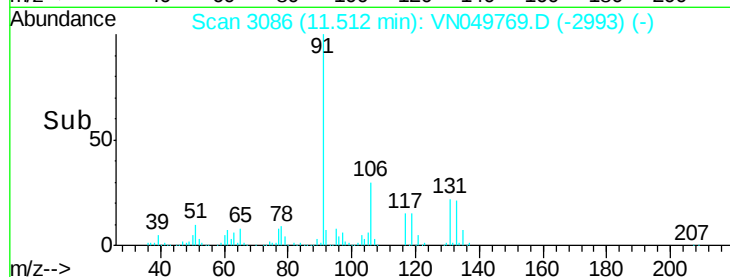
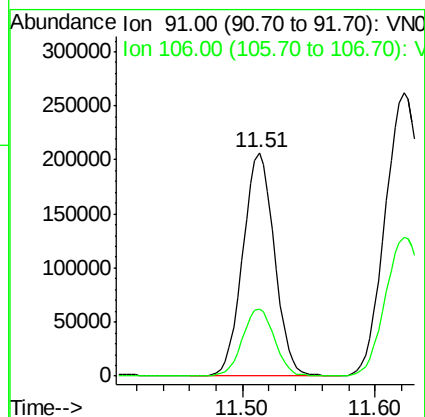
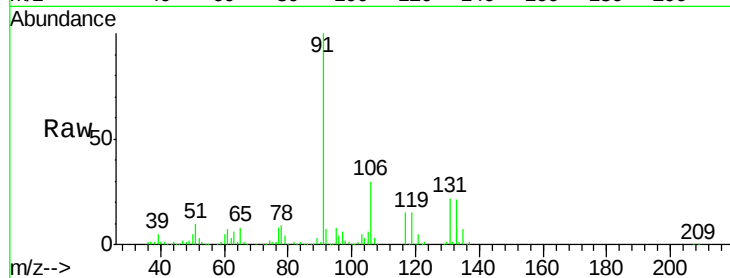
ClientSampled :

Tot Ion: 91 Resp: 342581

Ion Ratio Lower Upper

91 100

106 30.2 24.8 37.2



#68

m/p-Xylenes

Concen: 9.317 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049769.D

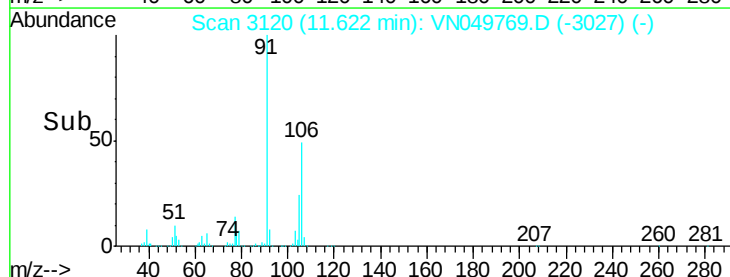
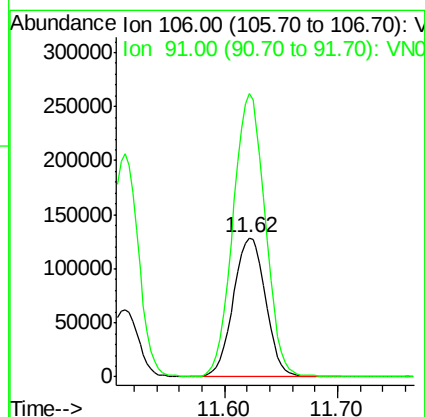
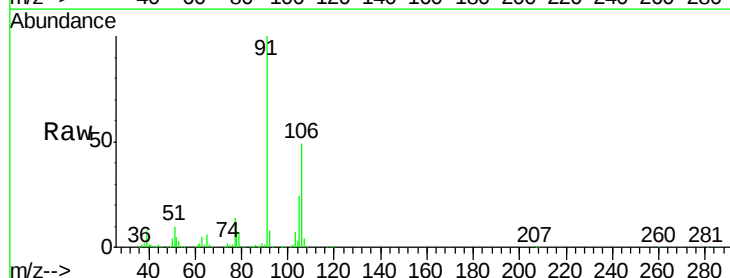
Acq: 12 Jul 2018 11:05

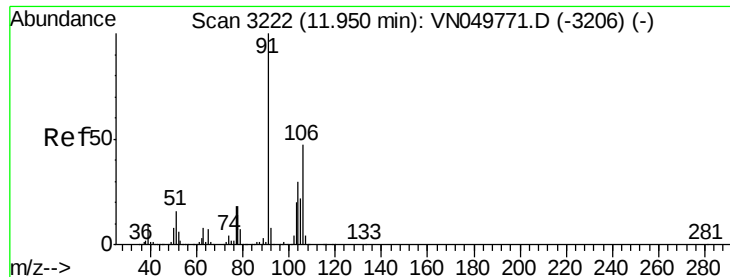
Tgt Ion: 106 Resp: 255780

Ion Ratio Lower Upper

106 100

91 202.3 163.4 245.2

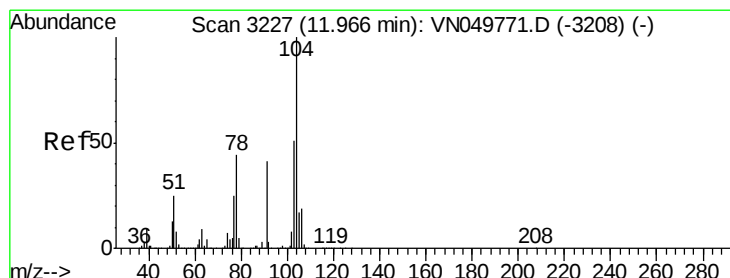
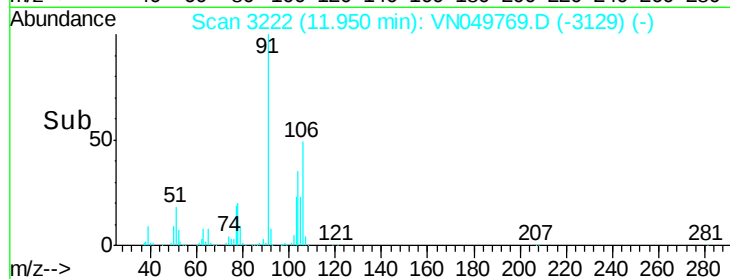
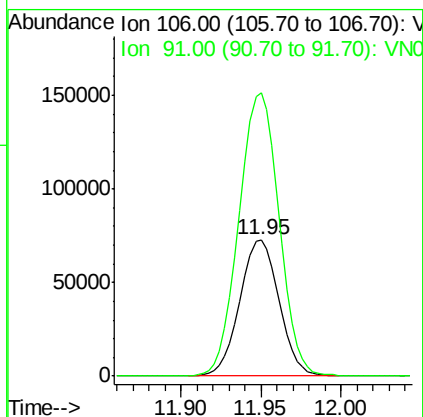
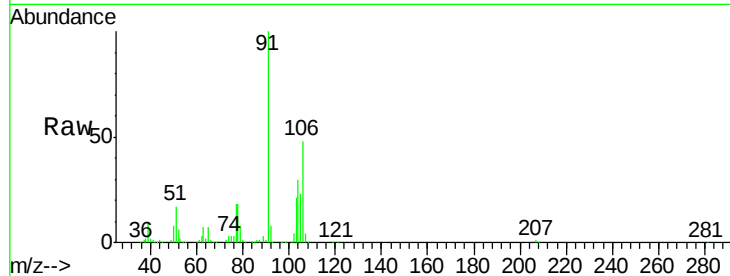




#69
o-Xylene
Concen: 4.601 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

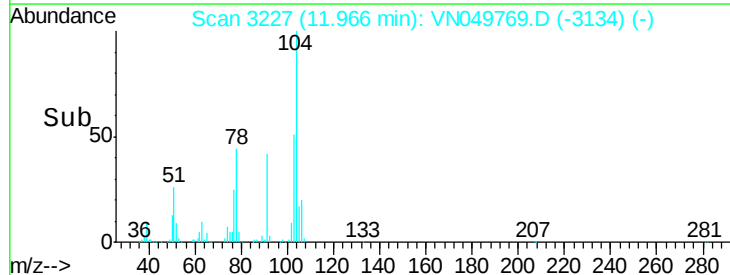
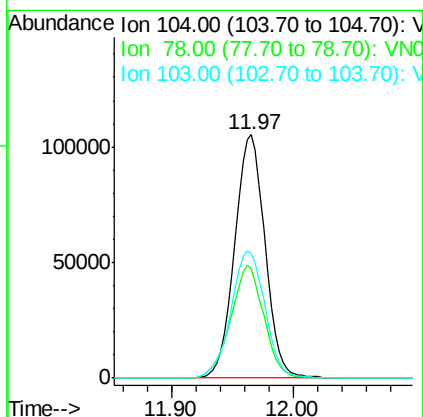
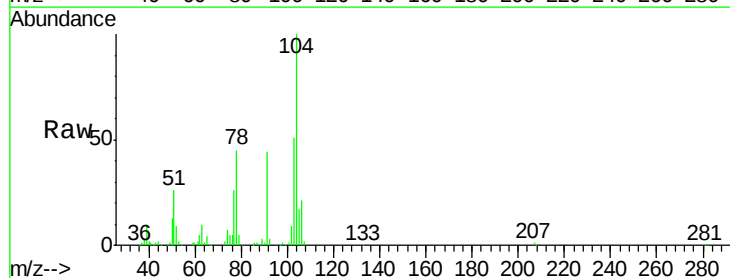
Instrument :
MSVOA_N
ClientSampled :

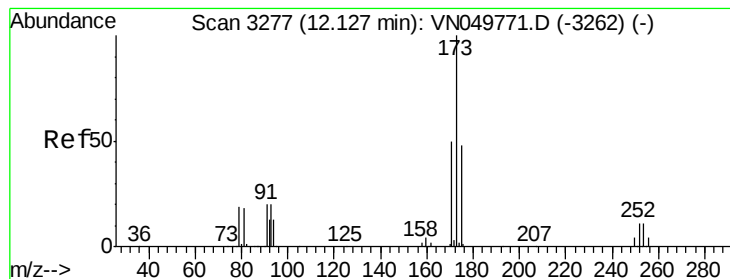
Tot Ion:106 Resp: 122029
Ion Ratio Lower Upper
106 100
91 212.8 108.7 326.1



#70
Styrene
Concen: 4.299 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion:104 Resp: 181112
Ion Ratio Lower Upper
104 100
78 50.5 39.2 58.8
103 58.6 44.6 67.0





#71

Bromoform

Concen: 4.566 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

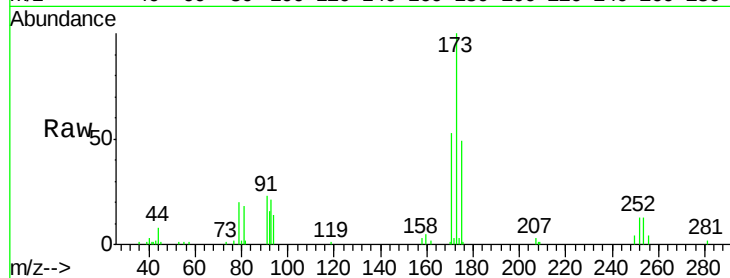
Tot Ion:173 Resp: 51842

Ion Ratio Lower Upper

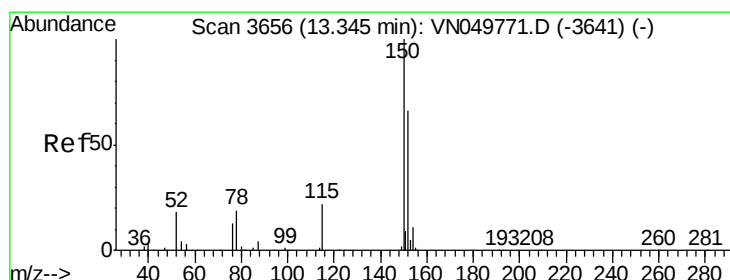
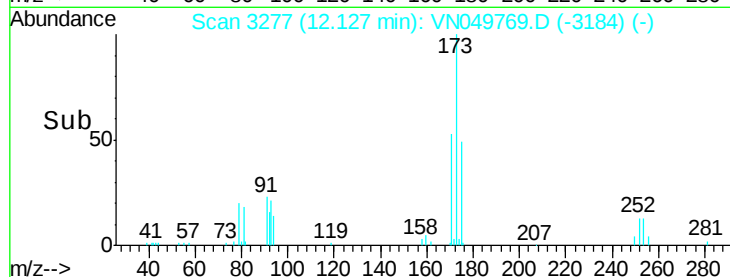
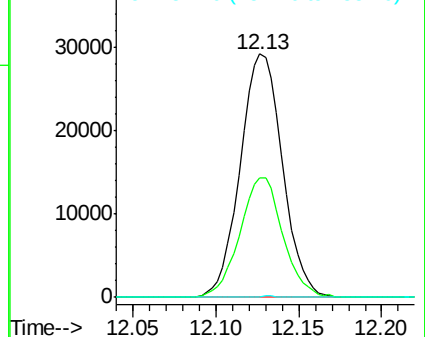
173 100

175 50.0 24.6 73.8

254 0.1 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: VN049769.D

Acq: 12 Jul 2018 11:05

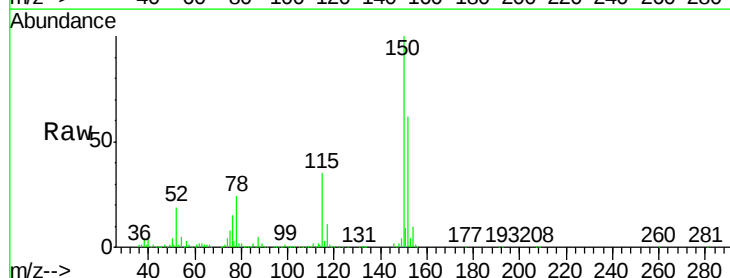
Tgt Ion:152 Resp: 776882

Ion Ratio Lower Upper

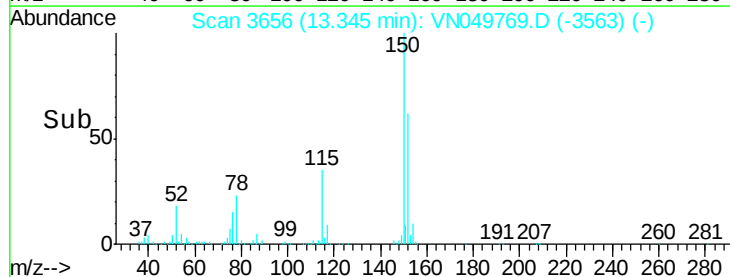
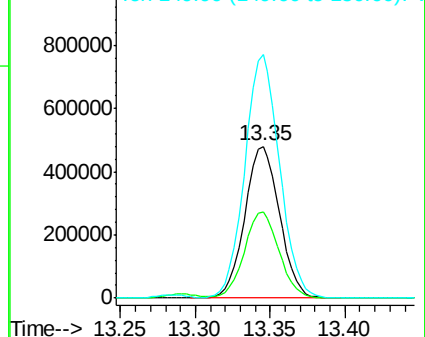
152 100

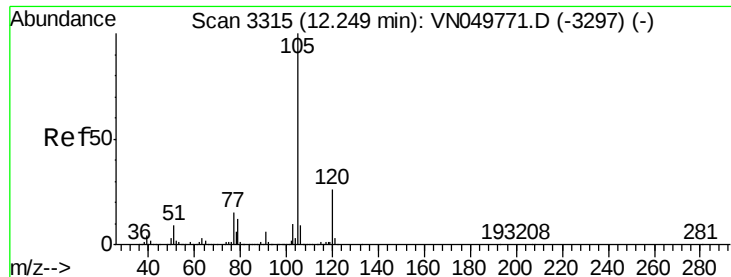
115 56.4 28.1 84.2

150 160.6 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: 5.126 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

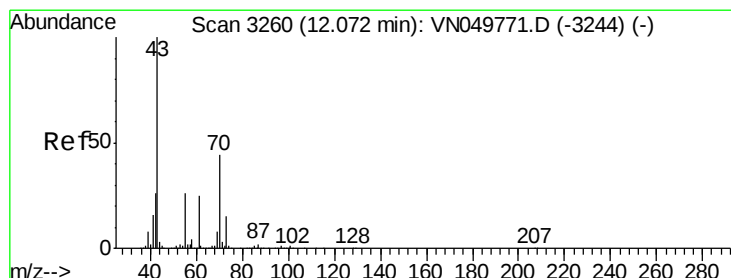
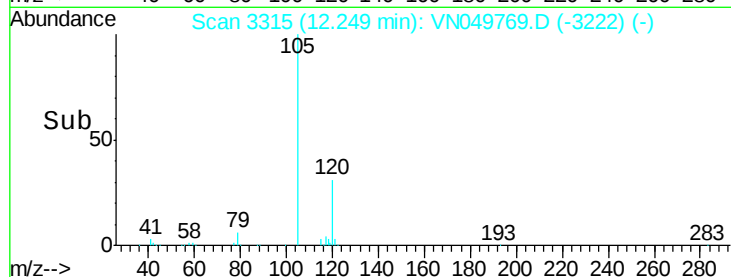
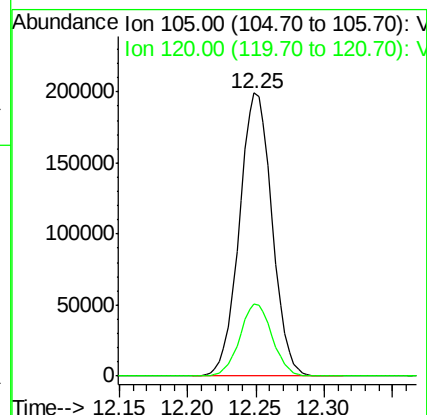
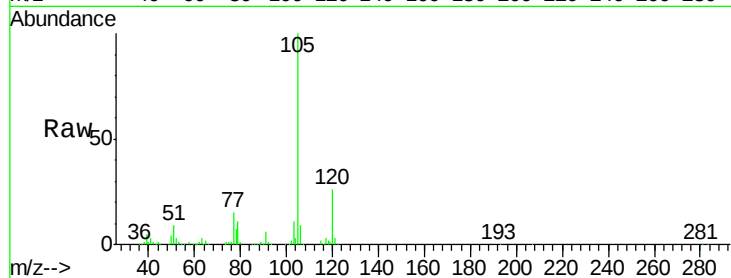
ClientSampled :

Tot Ion:105 Resp: 330953

Ion Ratio Lower Upper

105 100

120 25.2 13.3 39.8



#74

N-ethyl acetate

Concen: 4.705 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Tgt Ion: 43 Resp: 79025

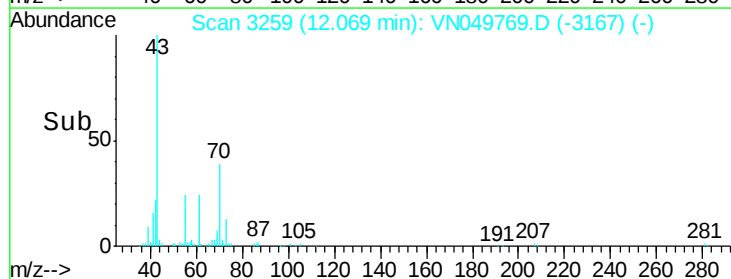
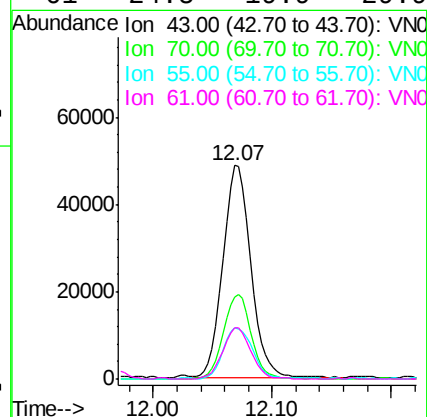
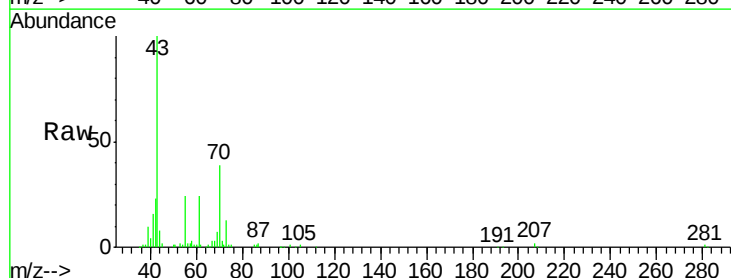
Ion Ratio Lower Upper

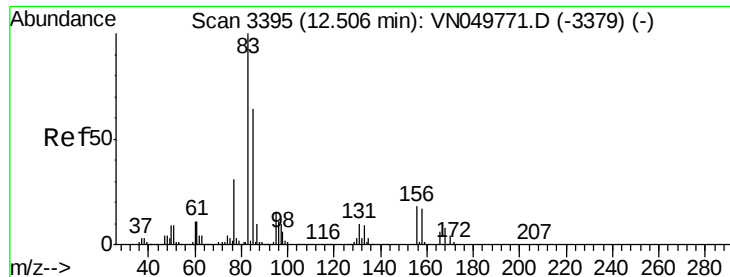
43 100

70 39.8 34.8 52.2

55 25.4 20.9 31.3

61 24.5 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 4.137 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

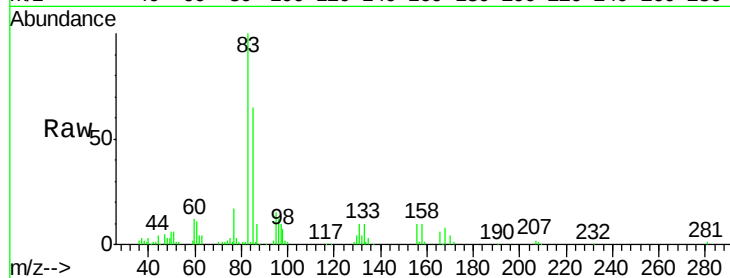
Tot Ion: 83 Resp: 88369

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

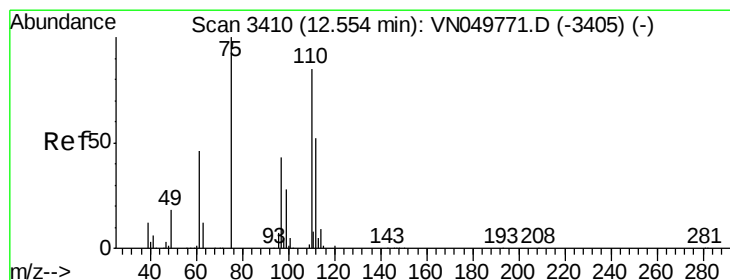
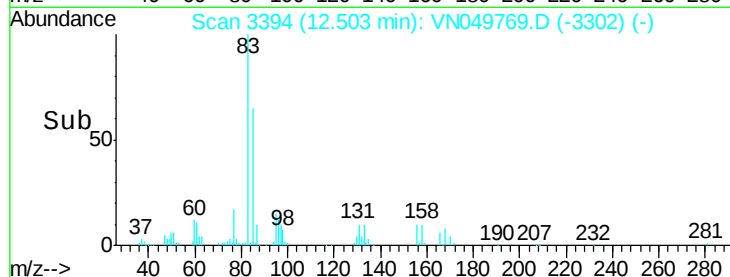
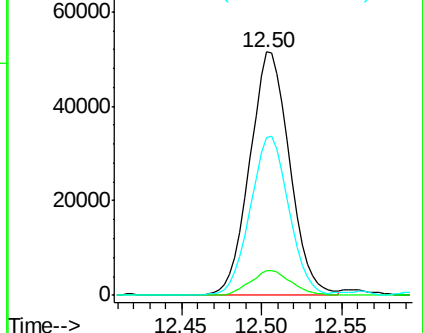
85 62.8 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN049771.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN049771.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN049771.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 7.207 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049769.D

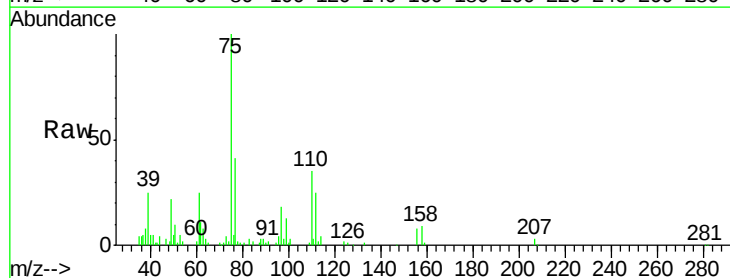
Acq: 12 Jul 2018 11:05

Tgt Ion: 75 Resp: 99471

Ion Ratio Lower Upper

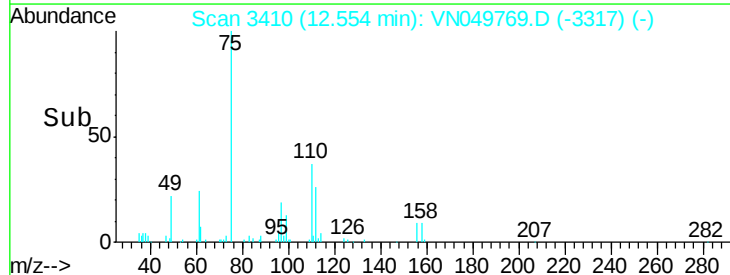
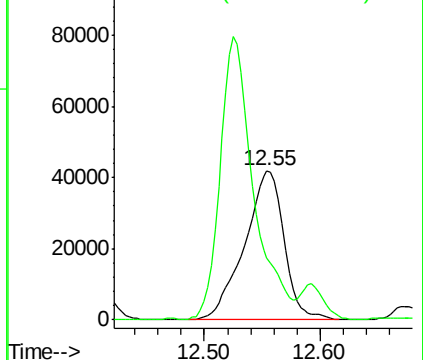
75 100

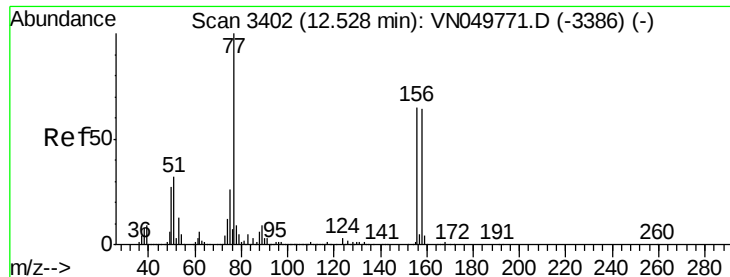
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049771.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049771.D (-3405) (-)





#77

Bromobenzene

Concen: 5.097 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampled :

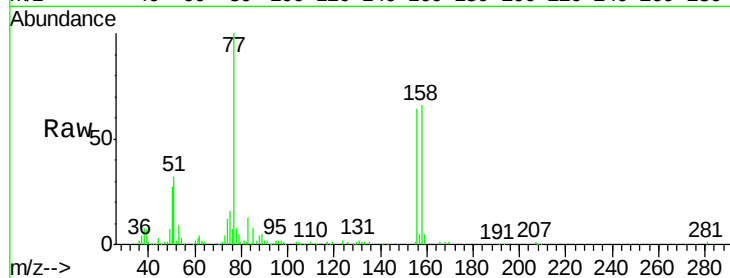
Tot Ion:156 Resp: 87307

Ion Ratio Lower Upper

156 100

77 179.7 90.2 270.6

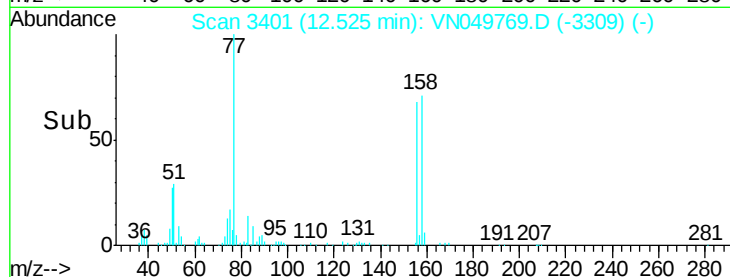
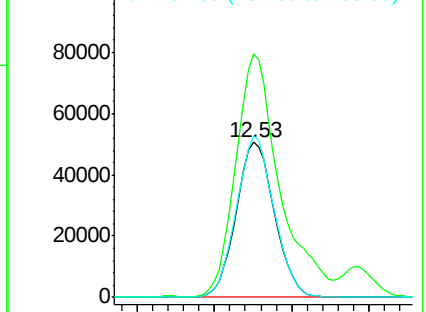
158 101.8 49.1 147.3



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: 4.897 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049769.D

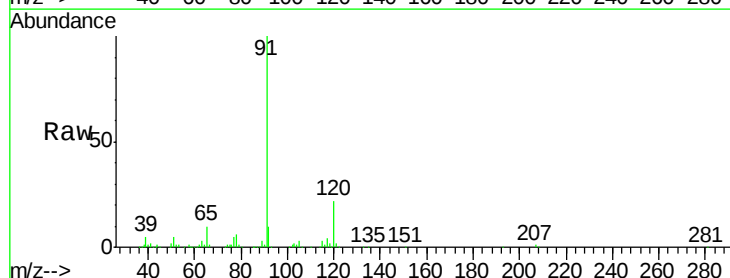
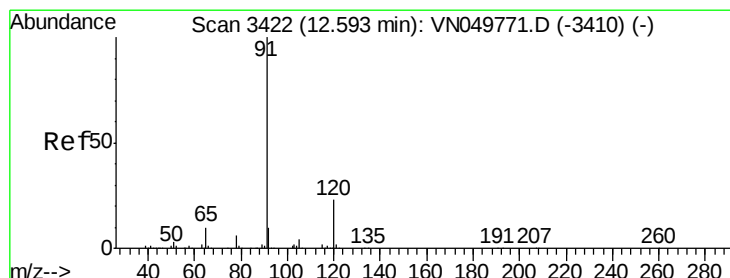
Acq: 12 Jul 2018 11:05

Tgt Ion: 91 Resp: 356463

Ion Ratio Lower Upper

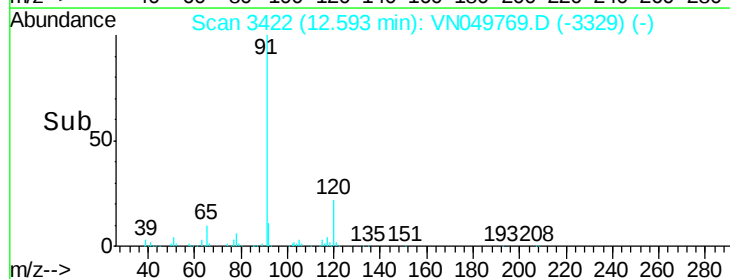
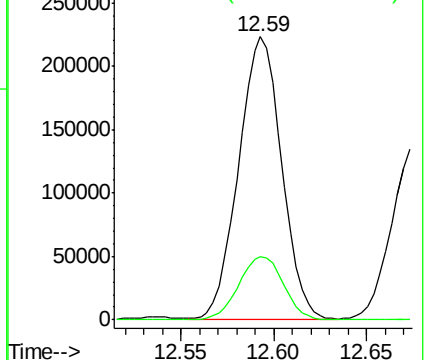
91 100

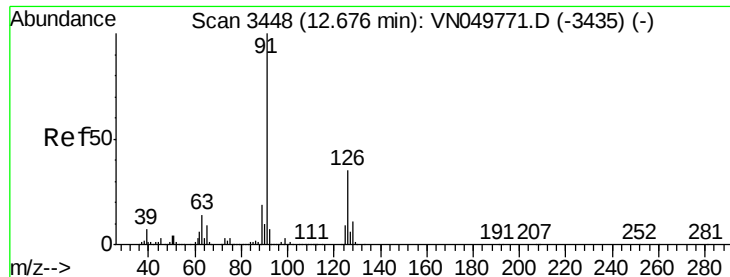
120 23.3 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.112 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

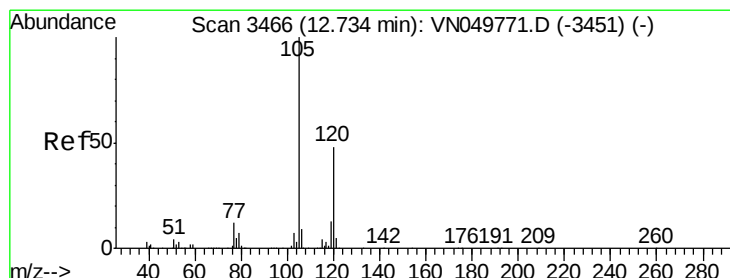
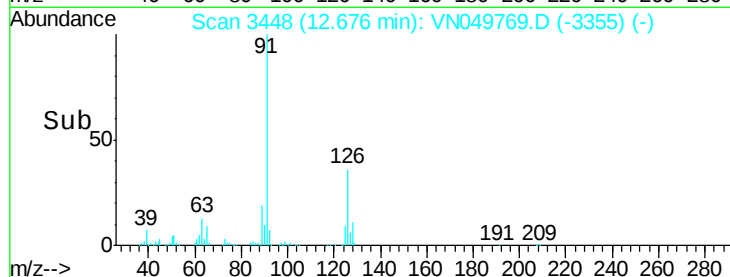
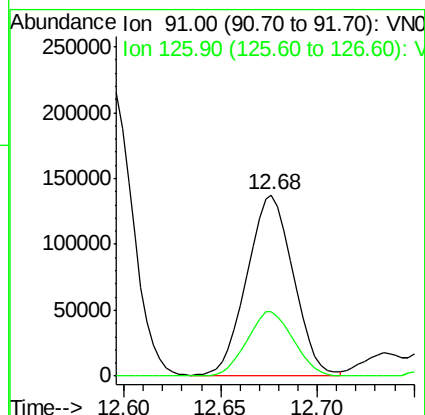
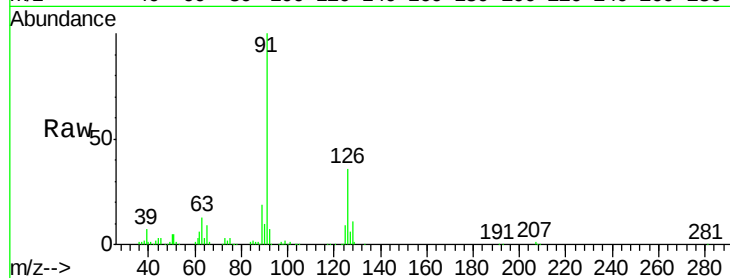
ClientSampleId :

Tot Ion: 91 Resp: 227759

Ion Ratio Lower Upper

91 100

126 36.1 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 4.878 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049769.D

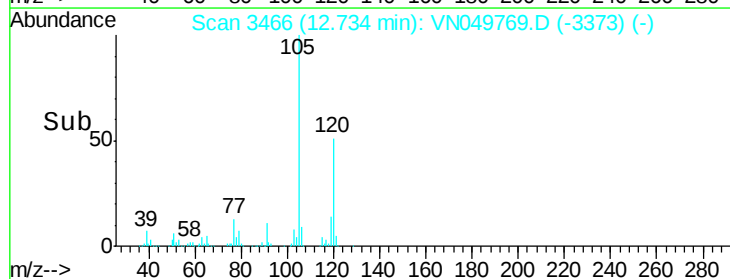
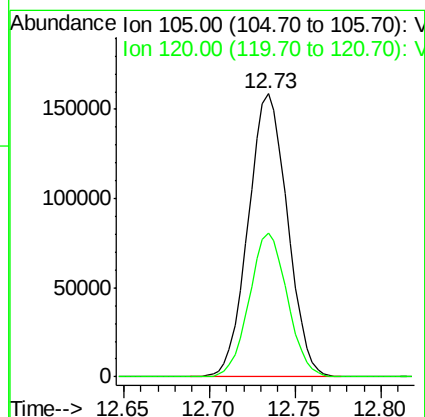
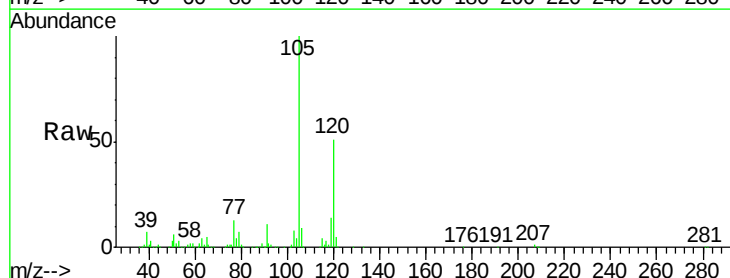
Acq: 12 Jul 2018 11:05

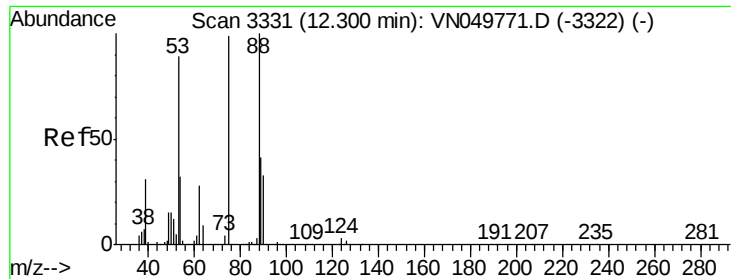
Tgt Ion: 105 Resp: 250269

Ion Ratio Lower Upper

105 100

120 49.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 4.649 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

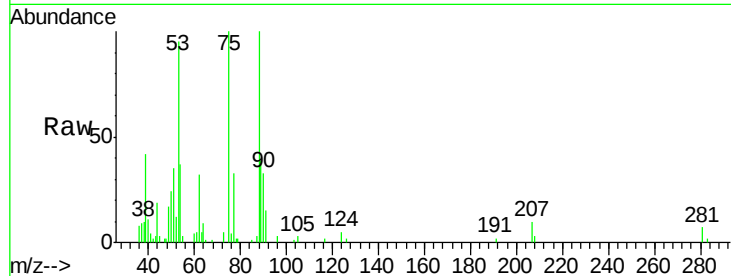
Tot Ion: 75 Resp: 19868

Ion Ratio Lower Upper

75 100

53 97.8 73.9 110.9

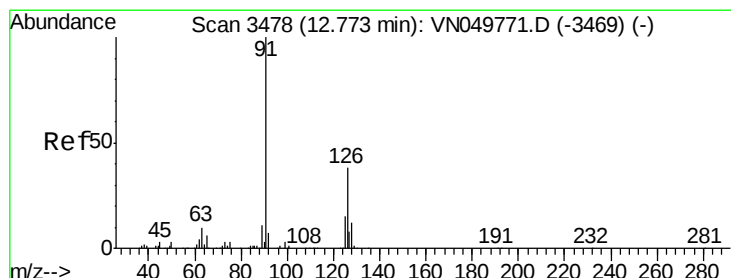
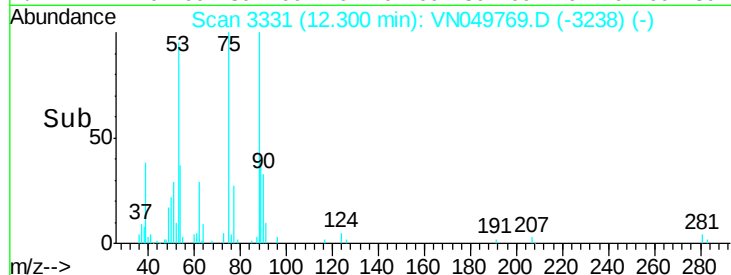
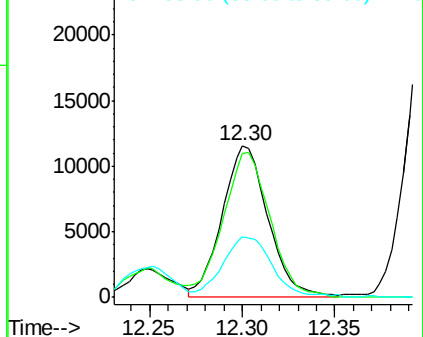
89 39.7 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VN049769.D (-3238) (-)

Ion 53.00 (52.70 to 53.70): VN049769.D (-3238) (-)

Ion 88.90 (88.60 to 89.60): VN049769.D (-3238) (-)



#82

4-Chlorotoluene

Concen: 5.072 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049769.D

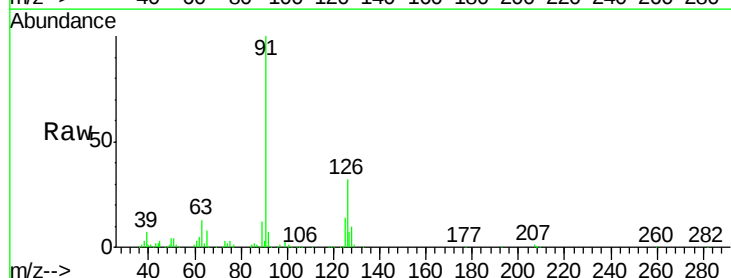
Acq: 12 Jul 2018 11:05

Tgt Ion: 91 Resp: 224133

Ion Ratio Lower Upper

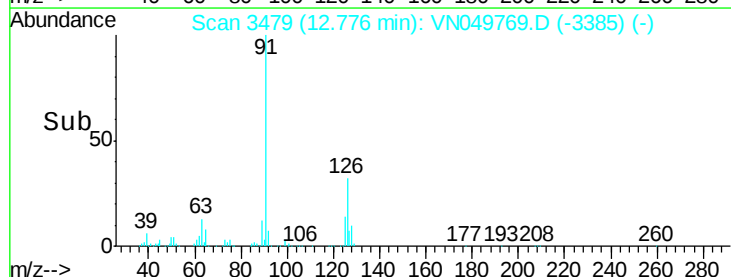
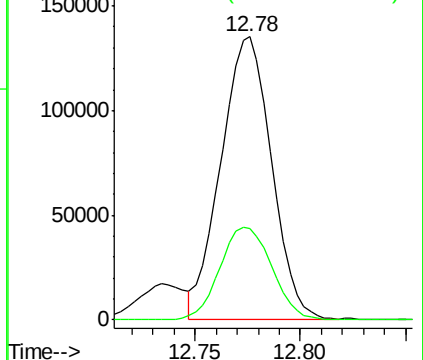
91 100

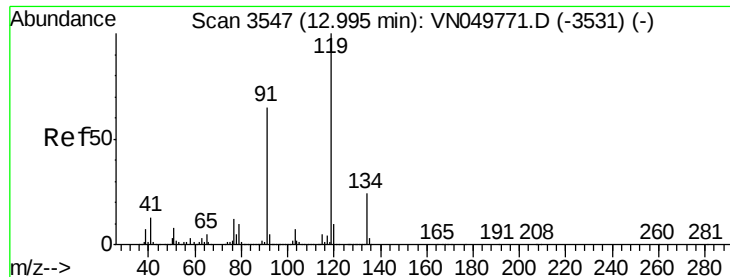
126 33.8 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN049769.D (-3385) (-)

Ion 125.90 (125.60 to 126.60): VN049769.D (-3385) (-)





#83

tert-Butylbenzene

Concen: 5.088 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

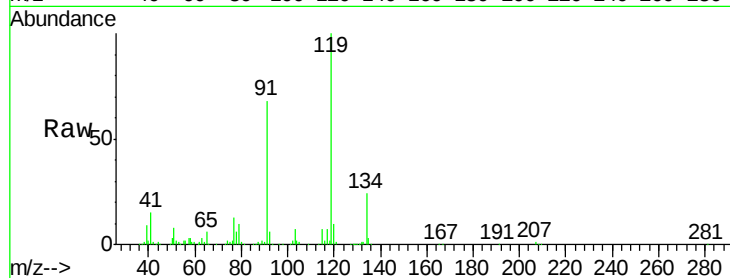
Tot Ion:119 Resp: 233586

Ion Ratio Lower Upper

119 100

91 64.0 32.0 96.2

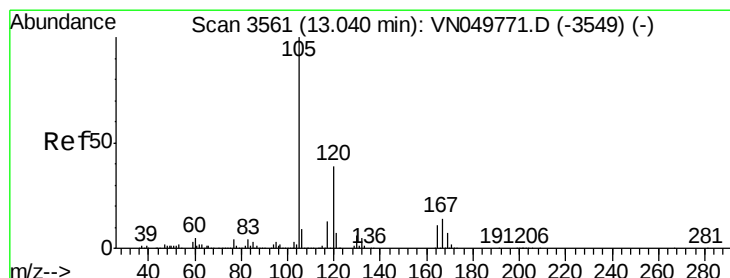
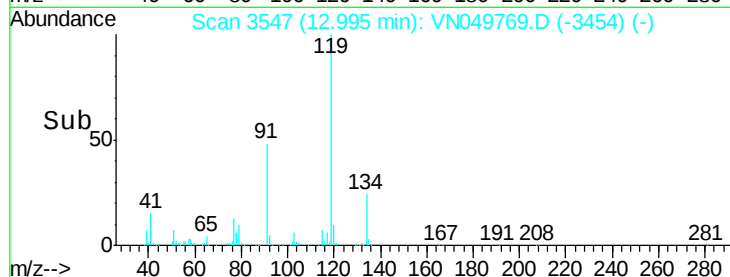
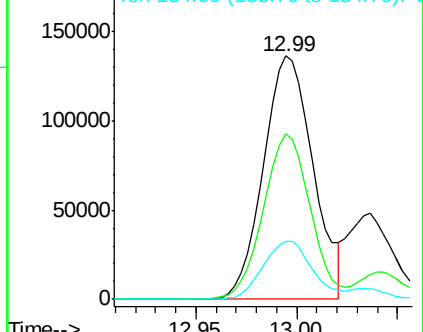
134 23.7 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.930 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049769.D

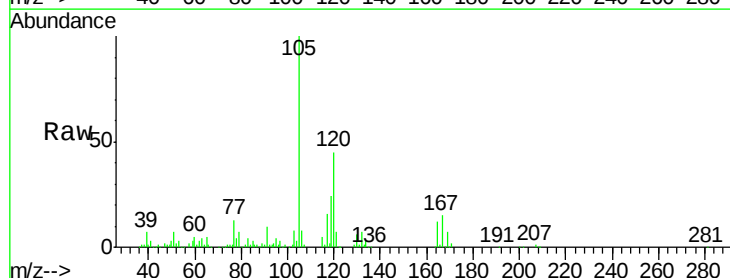
Acq: 12 Jul 2018 11:05

Tgt Ion:105 Resp: 253684

Ion Ratio Lower Upper

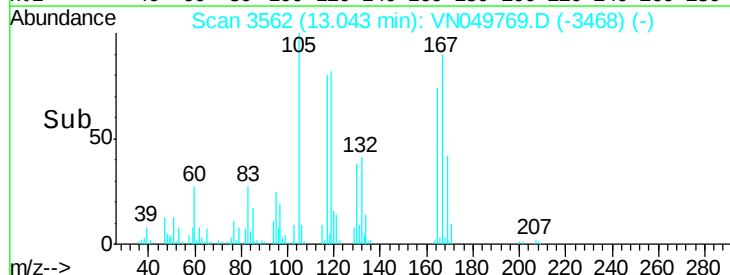
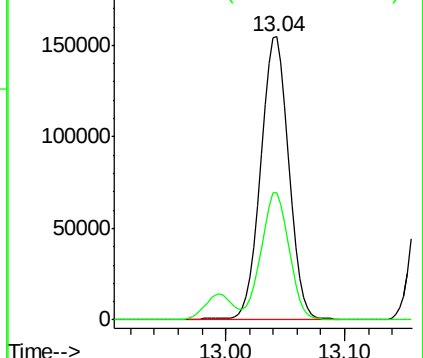
105 100

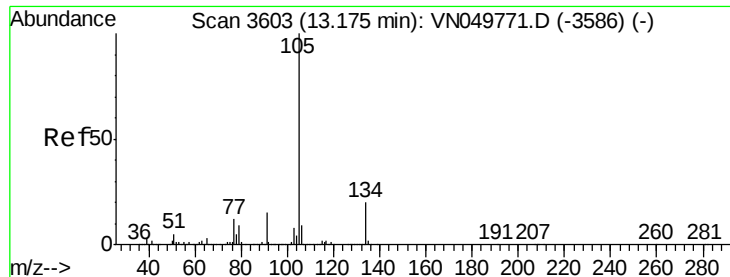
120 44.8 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.093 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

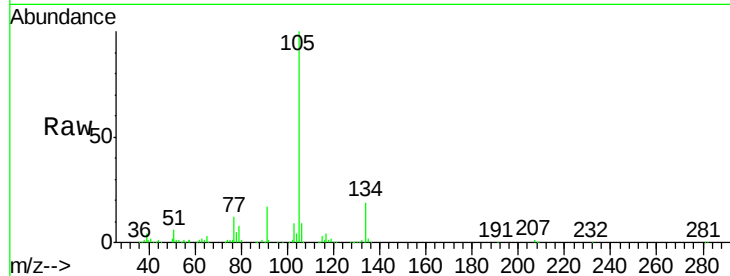
ClientSampled :

Tot Ion:105 Resp: 306396

Ion Ratio Lower Upper

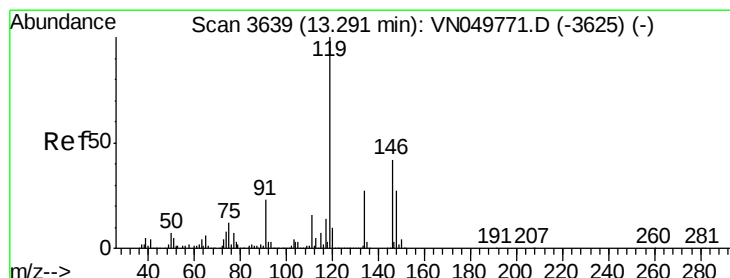
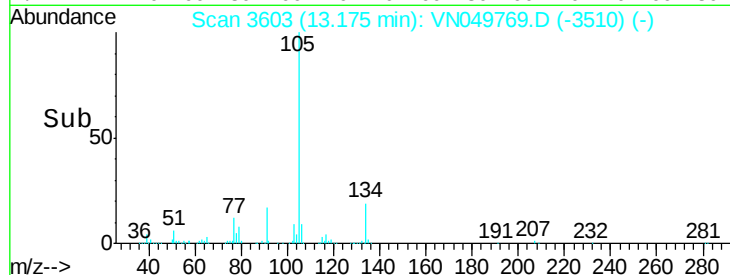
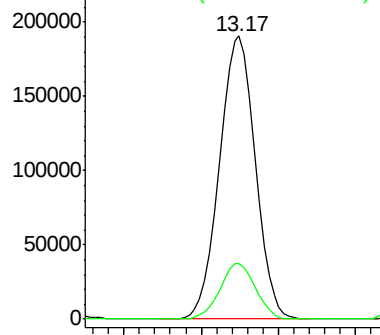
105 100

134 19.6 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.801 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

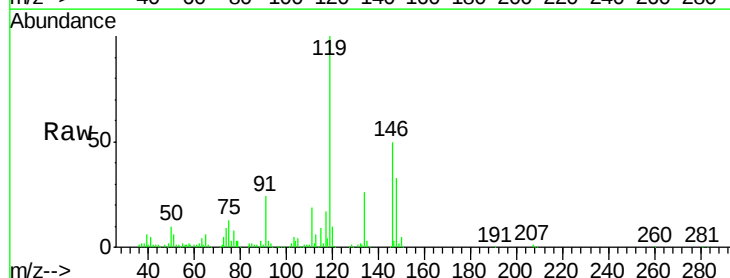
Tgt Ion:119 Resp: 244446

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

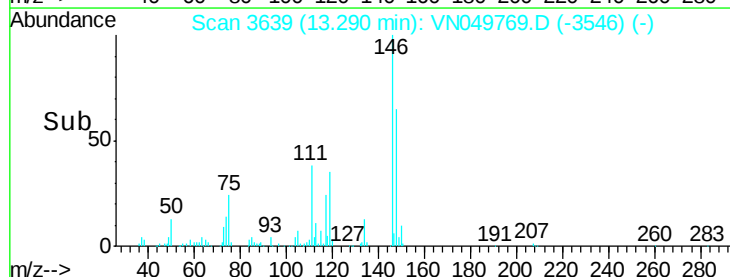
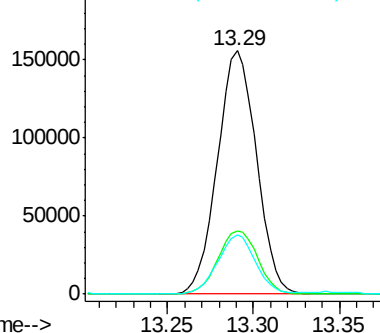
91 23.6 11.4 34.1

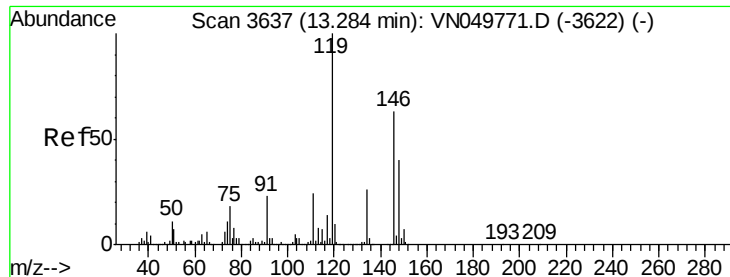


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

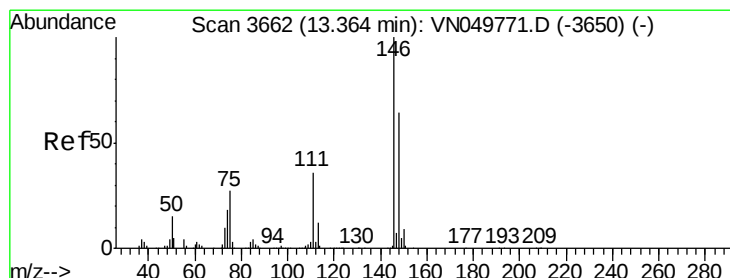
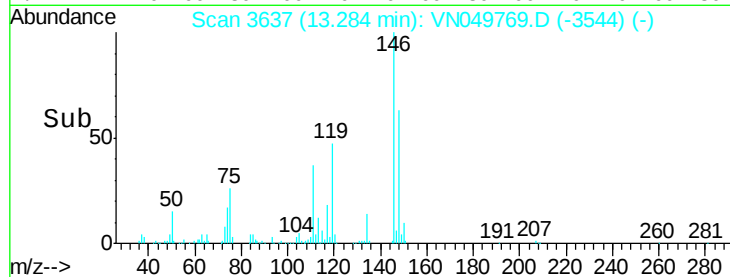
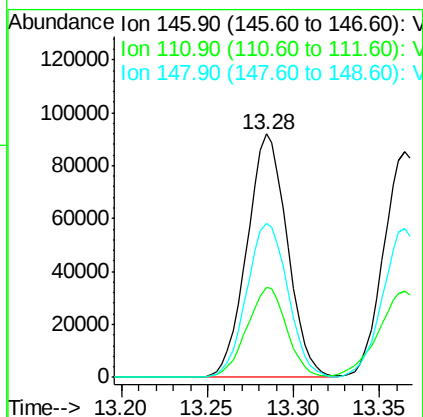
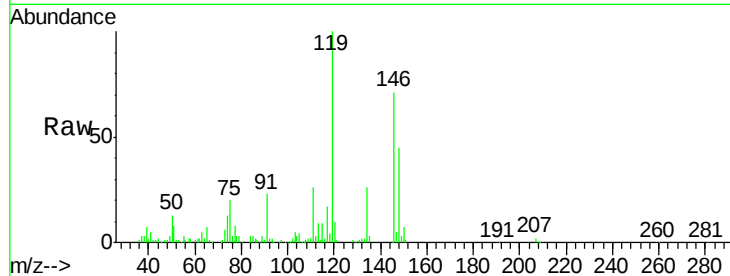




#87
 1,3-Dichlorobenzene
 Concen: 5.043 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

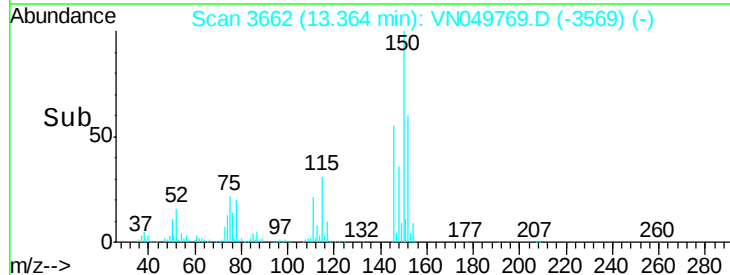
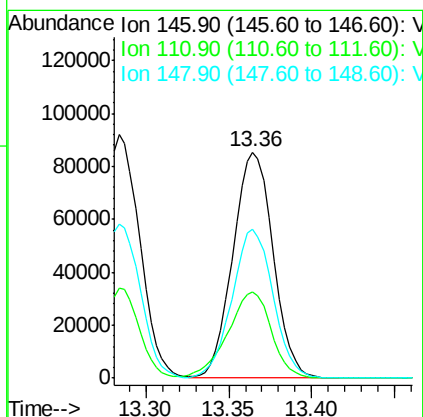
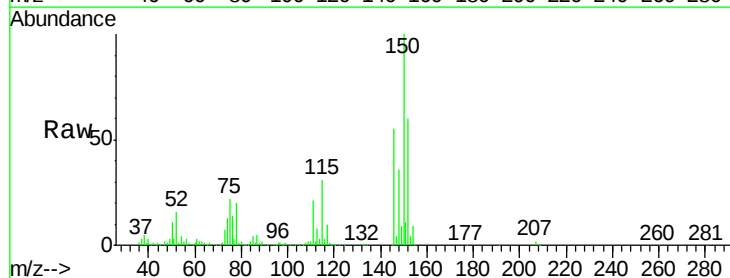
Instrument :
 MSVOA_N
 ClientSampleId :

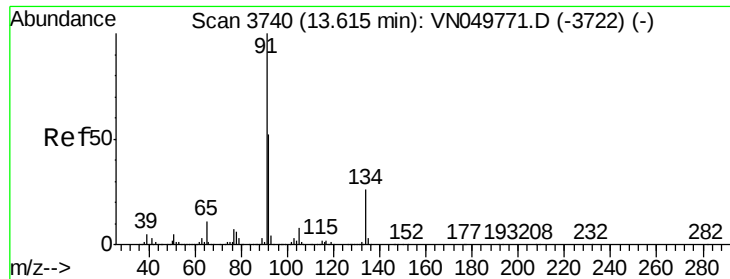
Tot Ion:146 Resp: 149753
 Ion Ratio Lower Upper
 146 100
 111 36.4 19.0 57.0
 148 64.5 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 4.988 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion:146 Resp: 144000
 Ion Ratio Lower Upper
 146 100
 111 41.3 18.9 56.5
 148 67.4 32.1 96.3





#89

n-Butylbenzene

Concen: 4.681 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

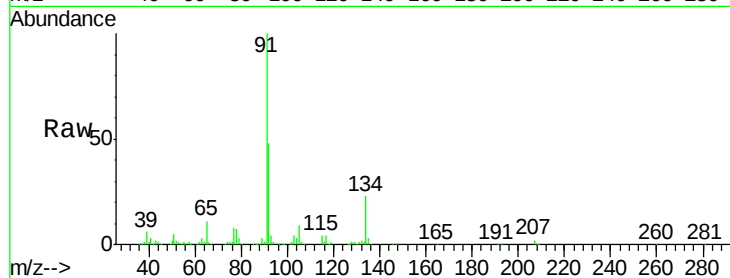
Tot Ion: 91 Resp: 196735

Ion Ratio Lower Upper

91 100

92 48.4 25.8 77.3

134 24.3 13.0 38.9

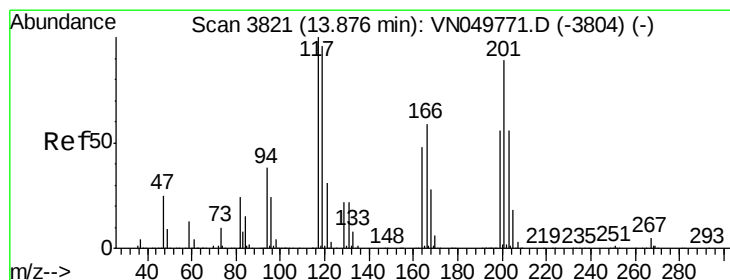
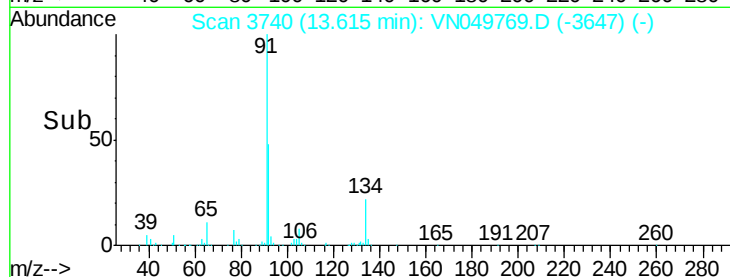


Abundance Ion 91.00 (90.70 to 91.70): VN049769.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN049769.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN049769.D (-3647) (-)

Time-->



#90

Hexachloroethane

Concen: 4.938 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049769.D

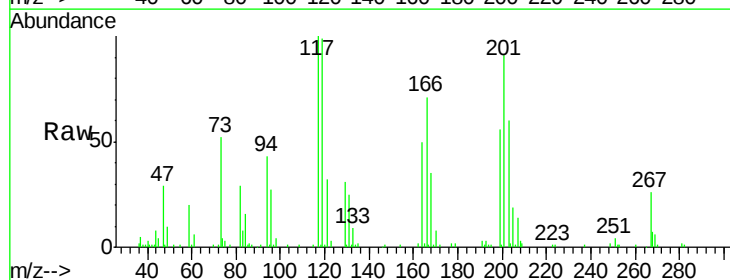
Acq: 12 Jul 2018 11:05

Tgt Ion: 117 Resp: 56096

Ion Ratio Lower Upper

117 100

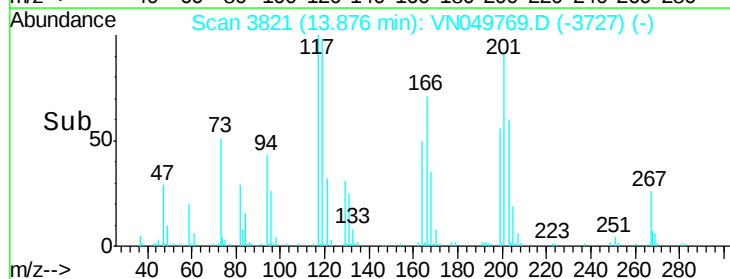
201 90.2 45.3 135.8

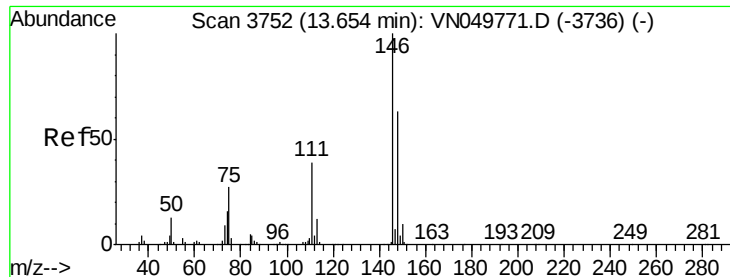


Abundance Ion 116.80 (116.50 to 117.50): VN049769.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049769.D (-3727) (-)

Time-->

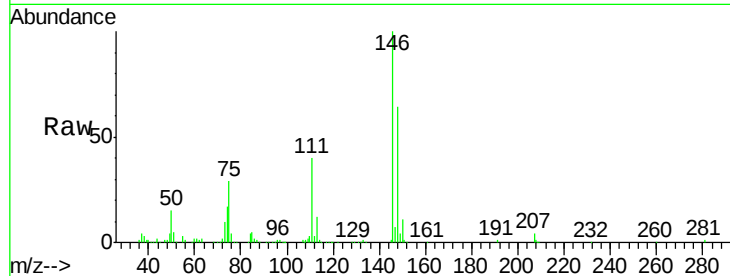




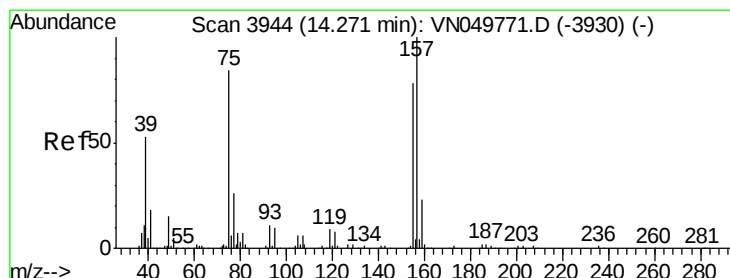
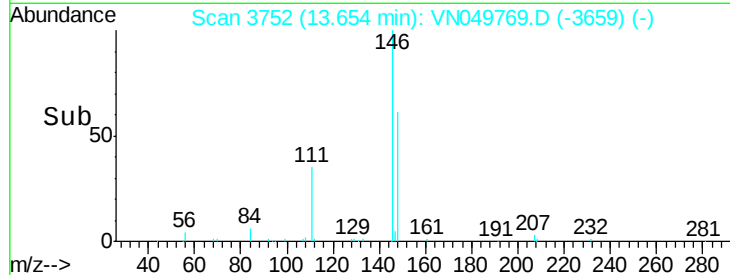
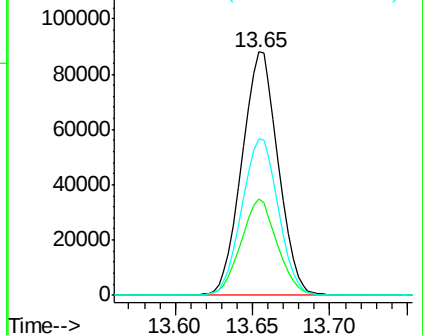
#91
 1,2-Dichlorobenzene
 Concen: 4.964 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	64.6	32.0	96.2

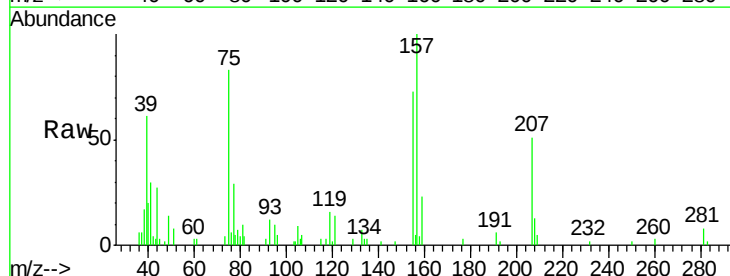


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

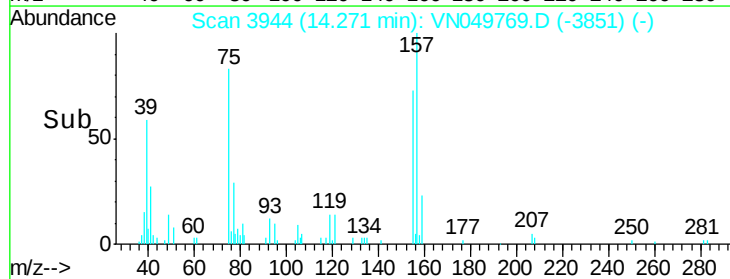
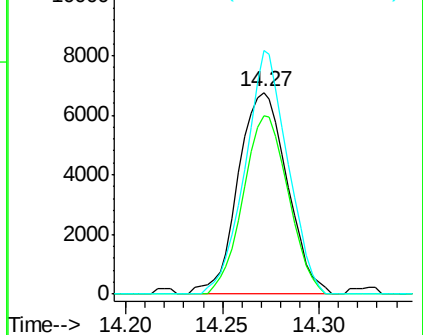


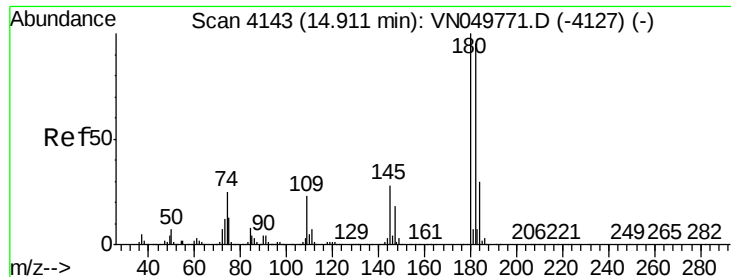
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.786 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	45.7	137.1
157	105.2	56.9	170.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

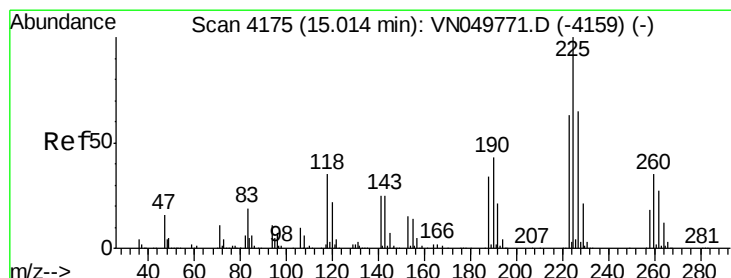
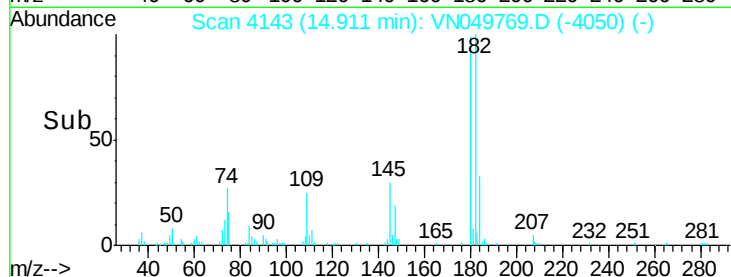
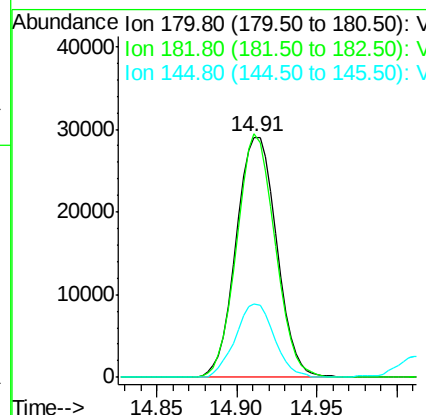
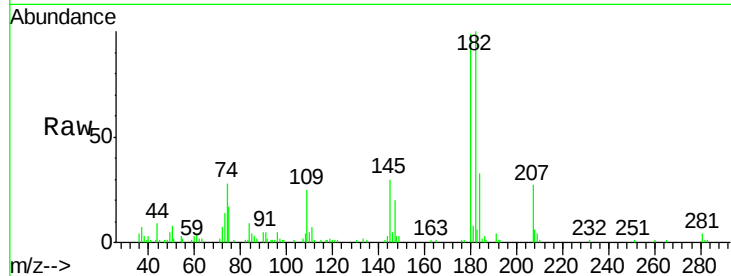




#93
 1,2,4-Trichlorobenzene
 Concen: 5.852 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

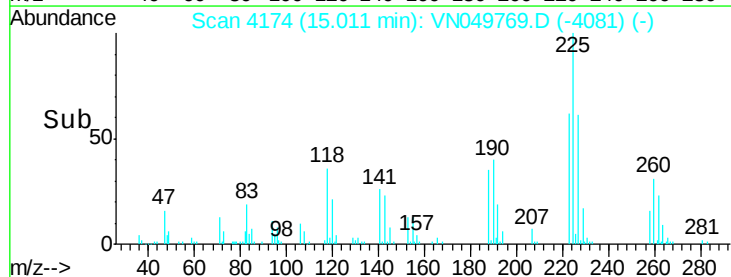
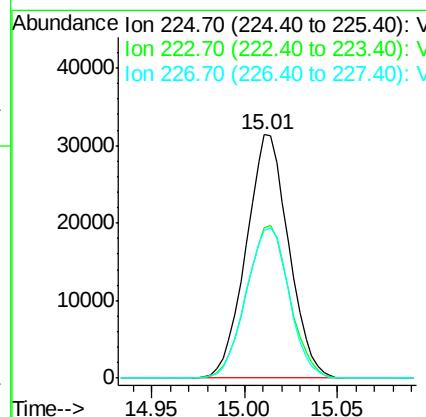
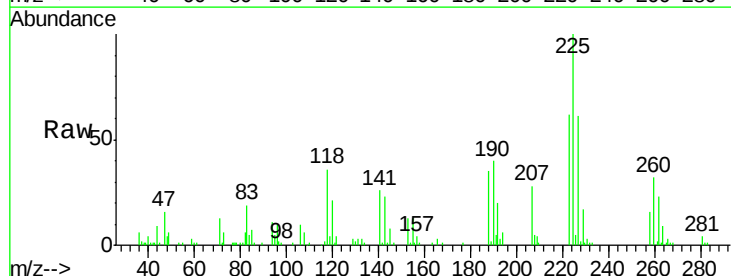
Instrument :
 MSVOA_N
 ClientSampleId :

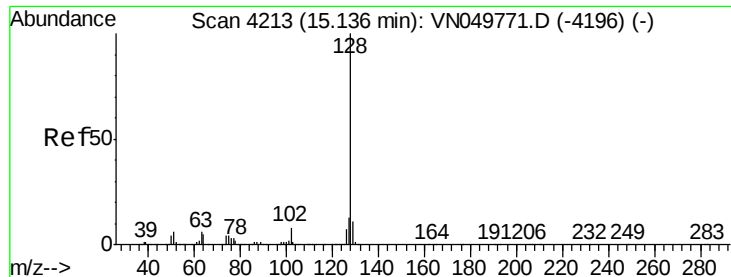
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.9
145	29.2	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 4.694 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	30.9	92.7
227	62.5	31.8	95.4





#95

Naphthalene

Concen: 6.491 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampled :

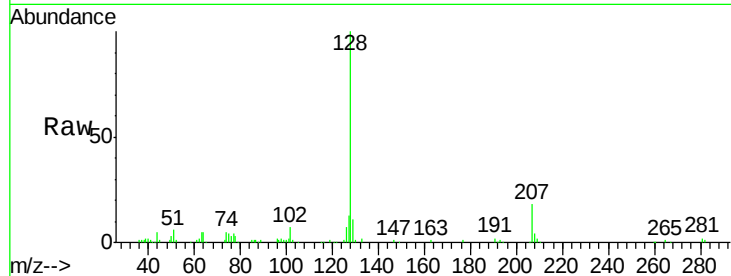
Tot Ion:128 Resp: 92119

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

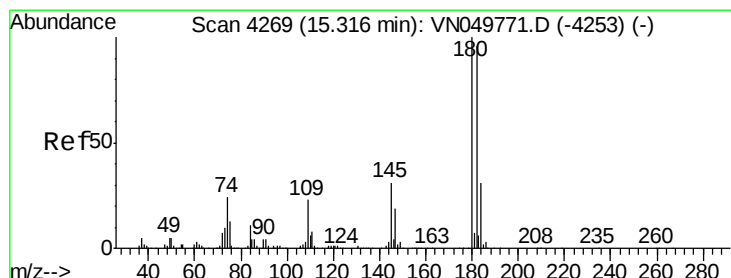
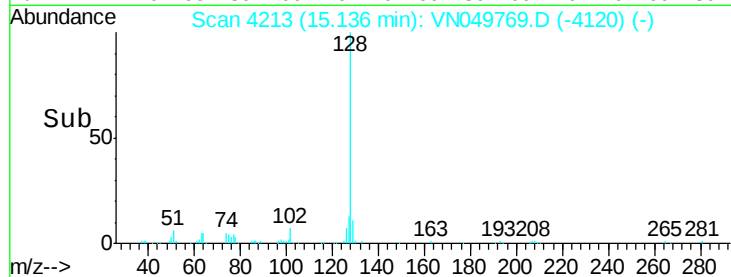
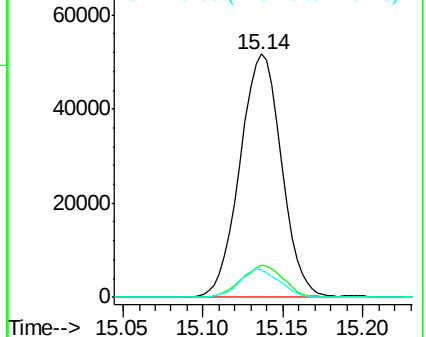
129 10.9 8.6 13.0



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: 3.836 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

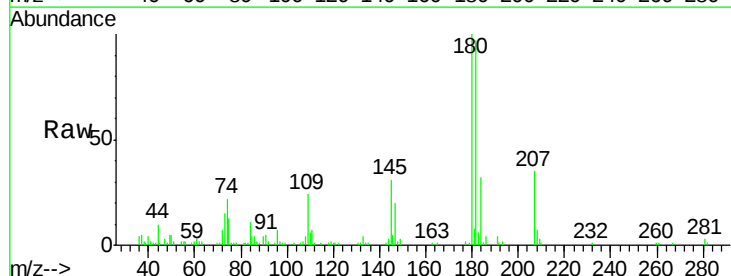
Tgt Ion:180 Resp: 53917

Ion Ratio Lower Upper

180 100

182 98.4 47.4 142.2

145 31.4 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

