

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049781.D
 Acq On : 12 Jul 2018 20:36
 Operator : MD\SY
 Sample : J3762-07 MDL 0.5ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 13 03:44:36 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	1045729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1649940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1441197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	566623	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	659136	54.18	ug/l	0.00
Spiked Amount			Recovery	=	108.36%	
35) Dibromofluoromethane	7.59	113	627196	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	10.09	98	1879482	44.15	ug/l	0.00
Spiked Amount			Recovery	=	88.30%	
62) 4-Bromofluorobenzene	12.40	95	579639	38.12	ug/l	0.00
Spiked Amount			Recovery	=	76.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.86	85	7116	Below Cal		99
3) Chloromethane	2.06	50	10332	Below Cal		100
5) Bromomethane	2.57	94	9446	Below Cal		88
6) Chloroethane	2.70	64	7015	0.754	ug/l	90
7) Trichlorofluoromethane	3.01	101	12848	0.648	ug/l	95
8) Diethyl Ether	3.41	74	4375	0.616	ug/l #	40
9) 1,1,2-Trichlorotrifluoroet	3.76	101	7963	0.619	ug/l	98
10) Methyl Iodide	3.95	142	7172	0.438	ug/l #	90
11) Tert butyl alcohol	4.81	59	2130	2.616	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	7388	0.653	ug/l	86
13) Acrolein	3.62	56	3434	4.802	ug/l	90
14) Allyl chloride	4.32	41	4893	0.265	ug/l #	1
15) Acrylonitrile	4.99	53	3390	0.831	ug/l #	1
16) Acetone	3.83	43	10734	1.521	ug/l	97
17) Carbon Disulfide	4.05	76	24561	0.419	ug/l #	92
18) Methyl Acetate	4.34	43	19189	1.168	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	10871	0.347	ug/l	98
20) Methylene Chloride	4.55	84	9955	Below Cal	#	92
21) trans-1,2-Dichloroethene	5.04	96	8077	0.653	ug/l	92
22) Diisopropyl ether	5.96	45	19318	0.510	ug/l #	88
23) Vinyl Acetate	5.91	43	53248	2.096	ug/l	99
24) 1,1-Dichloroethane	5.85	63	14701	0.617	ug/l #	93
25) 2-Butanone	6.85	43	11844	2.498	ug/l	96
26) 2,2-Dichloropropane	6.82	77	5277	0.267	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	9108	0.644	ug/l	93
29) Tetrahydrofuran	7.22	42	8333	2.799	ug/l	94
30) Chloroform	7.38	83	15441	0.629	ug/l	95
31) Cyclohexane	7.67	56	29051	1.284	ug/l #	22
32) 1,1,1-Trichloroethane	7.57	97	12539	0.602	ug/l #	51
36) 1,1-Dichloropropene	7.80	75	10427	0.548	ug/l	99
37) Ethyl Acetate	6.94	43	4451	0.395	ug/l #	74
38) Carbon Tetrachloride	7.77	117	12653	0.637	ug/l	98
39) Methylcyclohexane	9.09	83	9977	0.498	ug/l	97
40) Benzene	8.04	78	32488	0.571	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Methacrylonitrile	7.17	41	2546	0.400	ug/l #	78
42) 1,2-Dichloroethane	8.13	62	10708	0.576	ug/l	89
43) Isopropyl Acetate	8.18	43	10563	0.522	ug/l	94
44) Trichloroethene	8.84	130	9157	0.598	ug/l	84
45) 1,2-Dichloropropane	9.12	63	8202	0.537	ug/l	96
46) Dibromomethane	9.21	93	5388	0.593	ug/l	93
47) Bromodichloromethane	9.41	83	10560	0.528	ug/l #	94
48) Methyl methacrylate	9.20	41	4653	0.460	ug/l	97
49) 1,4-Dioxane	9.20	88	1336	10.081	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	25725	2.342	ug/l	94
52) Toluene	10.16	92	18557	0.545	ug/l	95
53) t-1,3-Dichloropropene	10.39	75	9203	0.479	ug/l	91
54) cis-1,3-Dichloropropene	9.84	75	10557	0.482	ug/l	94
56) Ethyl methacrylate	10.43	69	6978	0.454	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	11421	0.527	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	14178	1.924	ug/l	97
59) 2-Hexanone	10.76	43	16981	2.326	ug/l	91
60) Dibromochloromethane	10.90	129	8173	0.548	ug/l	93
61) 1,2-Dibromoethane	11.01	107	6660	0.538	ug/l	96
64) Tetrachloroethene	10.63	164	8269	0.632	ug/l	97
65) Chlorobenzene	11.44	112	20770	0.553	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	7633	0.540	ug/l #	63
67) Ethyl Benzene	11.51	91	30251	0.492	ug/l	97
68) m/p-Xylenes	11.63	106	20361	0.882	ug/l	99
69) o-Xylene	11.95	106	9879	0.443	ug/l	99
70) Styrene	11.97	104	15035	0.425	ug/l	99
71) Bromoform	12.13	173	5127	0.537	ug/l #	98
73) Isopropylbenzene	12.25	105	24630	0.523	ug/l	100
74) N-amyl acetate	12.07	43	5756	0.470	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	8921	Below Cal		97
76) 1,2,3-Trichloropropane	12.56	75	9273	0.921	ug/l #	100
77) Bromobenzene	12.53	156	8597	0.688	ug/l	95
78) n-propylbenzene	12.59	91	29859	0.562	ug/l	97
79) 2-Chlorotoluene	12.68	91	20037	0.617	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	19542	0.522	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	279342	89.618	ug/l #	13
82) 4-Chlorotoluene	12.77	91	17672	0.548	ug/l	94
83) tert-Butylbenzene	12.99	119	17770	0.531	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	17926	0.478	ug/l	98
85) sec-Butylbenzene	13.17	105	21442	0.489	ug/l	99
86) p-Isopropyltoluene	13.29	119	16556	0.446	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	12880	0.595	ug/l	96
88) 1,4-Dichlorobenzene	13.29	146	12880	0.612	ug/l	97
89) n-Butylbenzene	13.62	91	12790	0.417	ug/l	92
90) Hexachloroethane	13.88	117	5415	Below Cal		86
91) 1,2-Dichlorobenzene	13.66	146	12730	0.602	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1352	0.327	ug/l	80
93) 1,2,4-Trichlorobenzene	14.91	180	4480	3.254	ug/l	98
94) Hexachlorobutadiene	15.01	225	4401	Below Cal		90
95) Naphthalene	15.14	128	8296	4.330	ug/l #	93

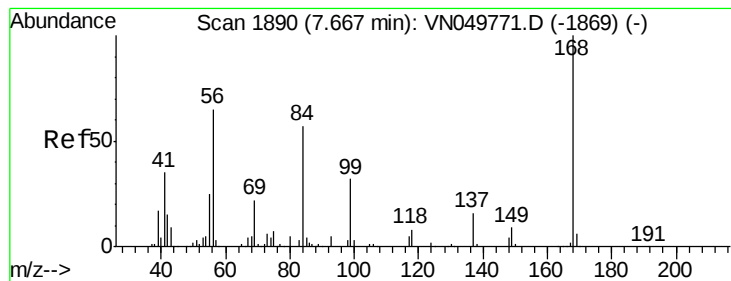
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	4983	0.486	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

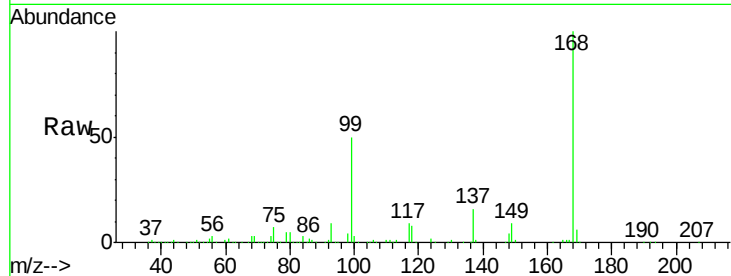
ClientSampleId :

Tot Ion:168 Resp: 1045729

Ion Ratio Lower Upper

168 100

99 49.9 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

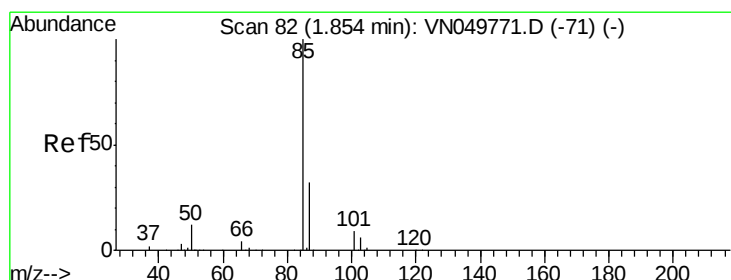
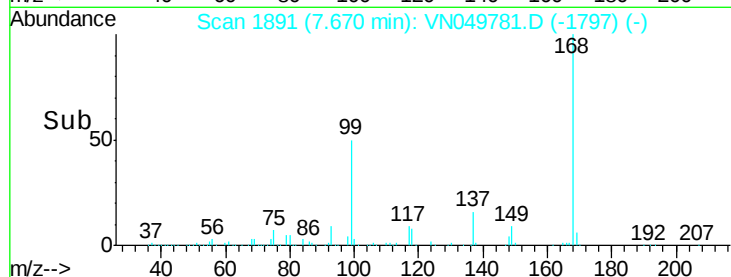
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.86 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN049781.D

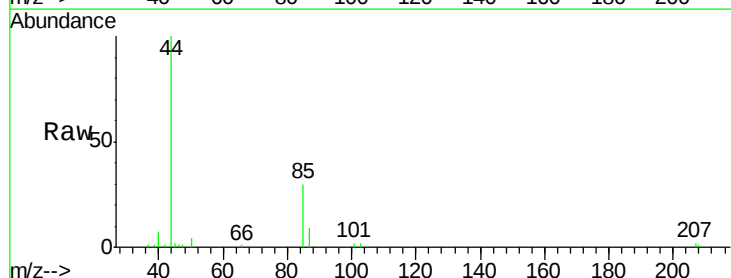
Acq: 12 Jul 2018 20:36

Tgt Ion: 85 Resp: 7116

Ion Ratio Lower Upper

85 100

87 31.4 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.86

6000

5000

4000

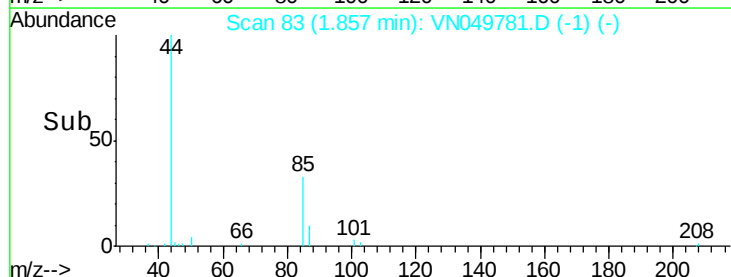
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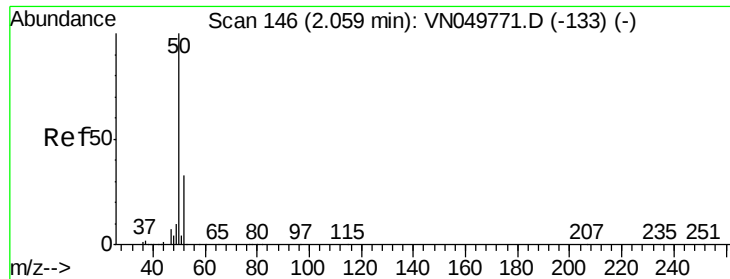
2000

1000

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

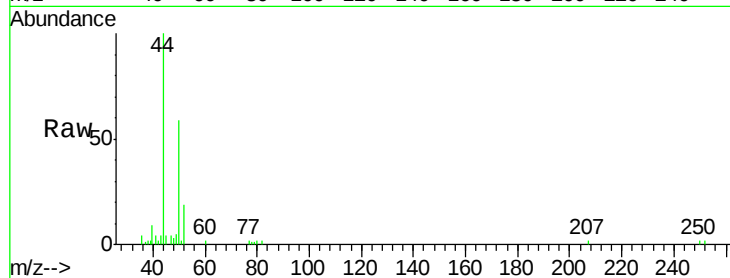
ClientSampleId :

Tot Ion: 50 Resp: 10332

Ion Ratio Lower Upper

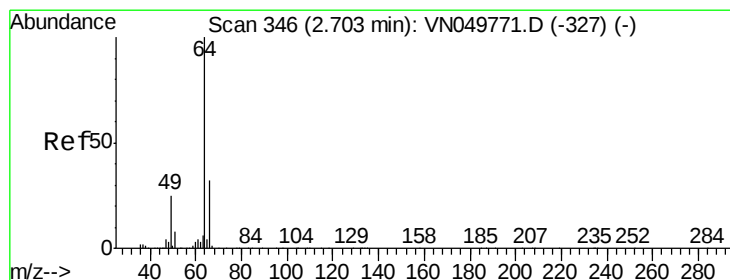
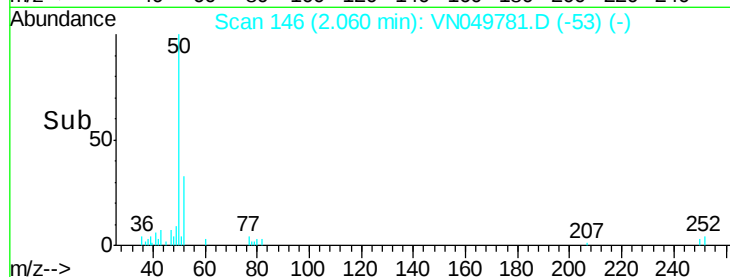
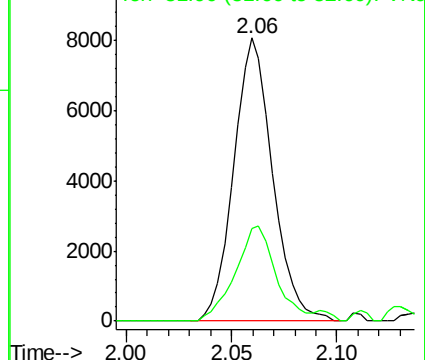
50 100

52 32.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#6

Chloroethane

Concen: 0.754 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049781.D

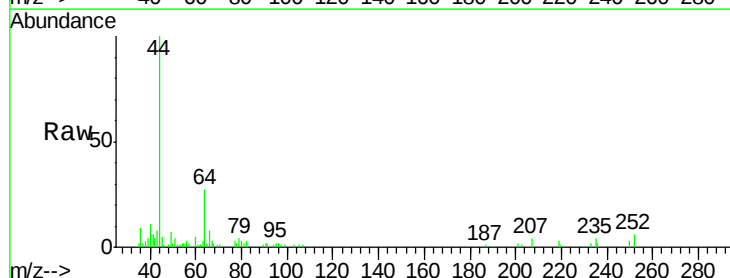
Acq: 12 Jul 2018 20:36

Tgt Ion: 64 Resp: 7015

Ion Ratio Lower Upper

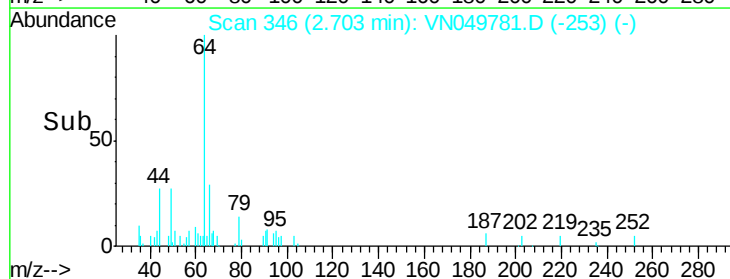
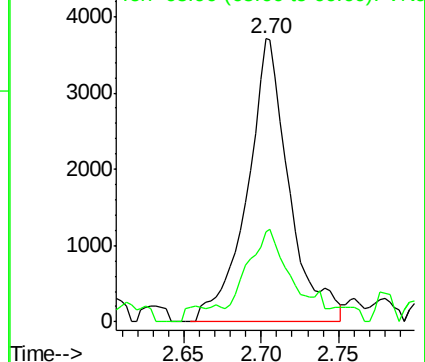
64 100

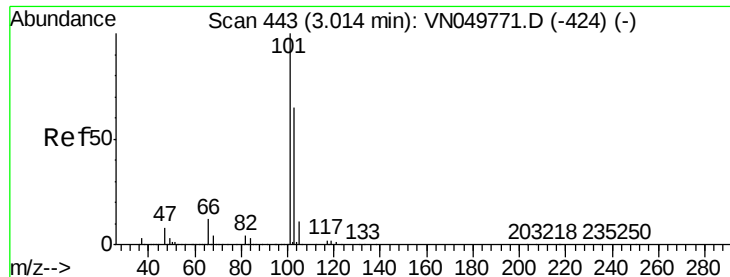
66 26.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



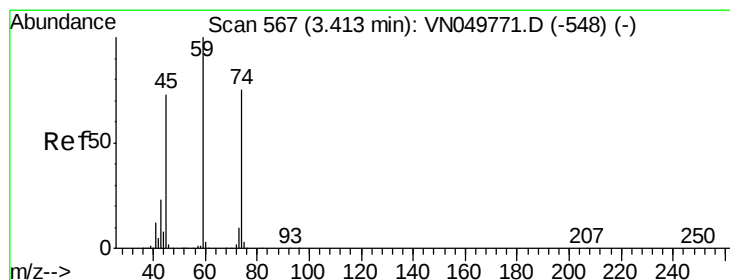
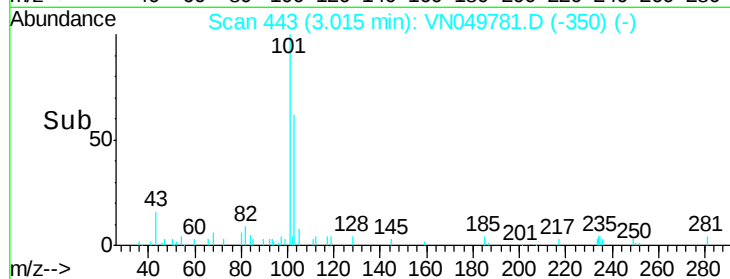
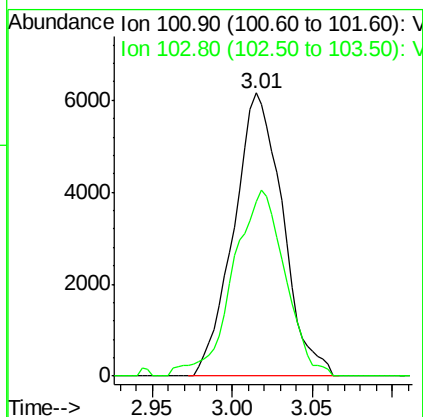
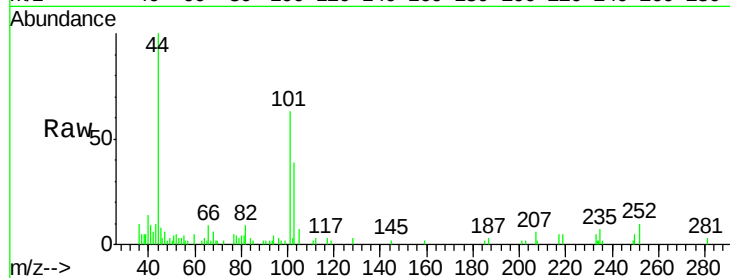


#7

Trichlorofluoromethane
Concen: 0.648 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

Instrument :
MSVOA_N
ClientSampleId :

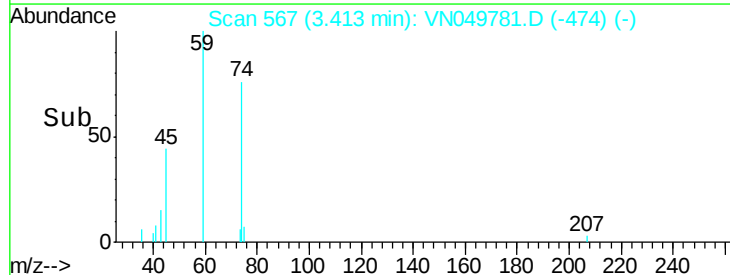
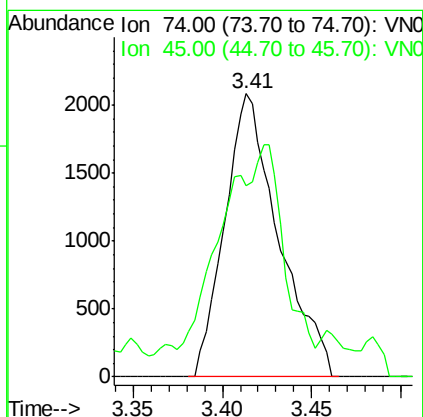
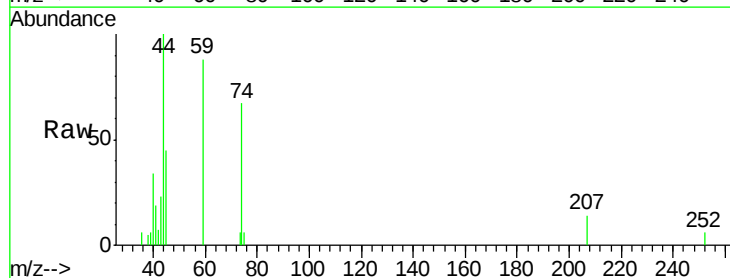
Tot Ion:101 Resp: 12848
Ion Ratio Lower Upper
101 100
103 61.7 52.8 79.2

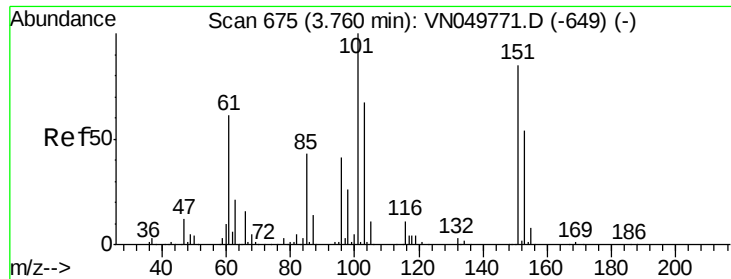


#8

Diethyl Ether
Concen: 0.616 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

Tgt Ion: 74 Resp: 4375
Ion Ratio Lower Upper
74 100
45 38.0 48.4 145.2#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.619 ug/l

RT: 3.76 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

ClientSampled :

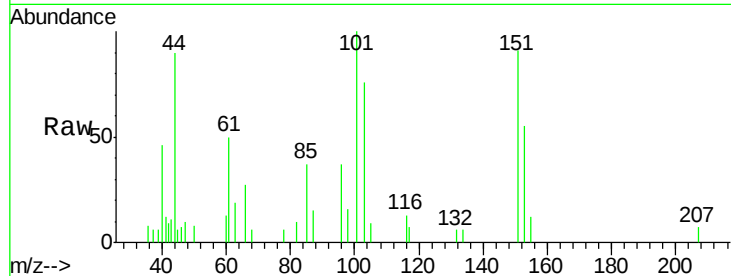
Tot Ion:101 Resp: 7963

Ion Ratio Lower Upper

101 100

85 43.3 34.4 51.6

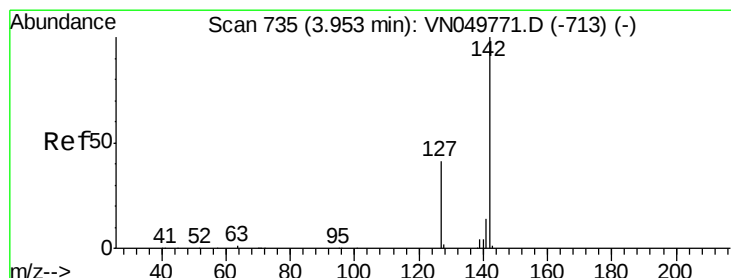
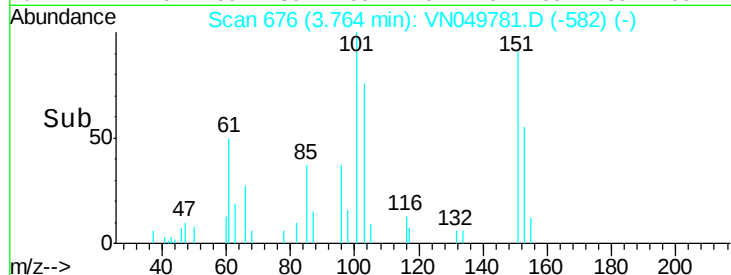
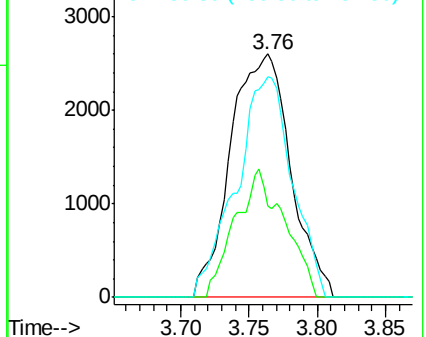
151 84.7 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.438 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

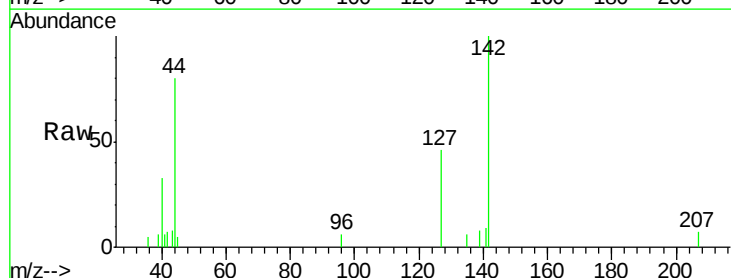
Tgt Ion:142 Resp: 7172

Ion Ratio Lower Upper

142 100

127 44.3 32.5 48.7

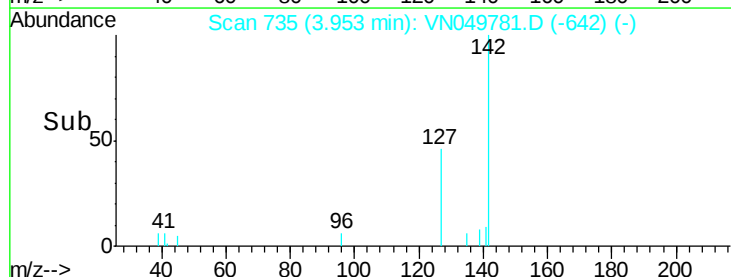
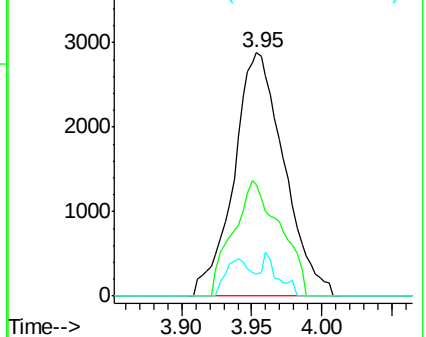
141 5.8 11.1 16.7#

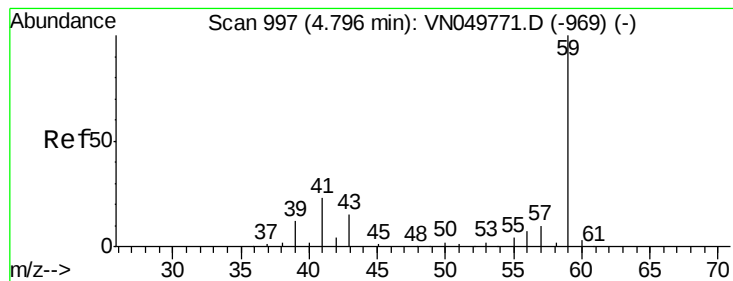


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



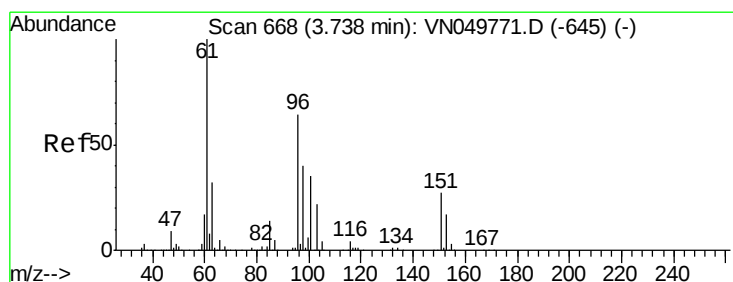
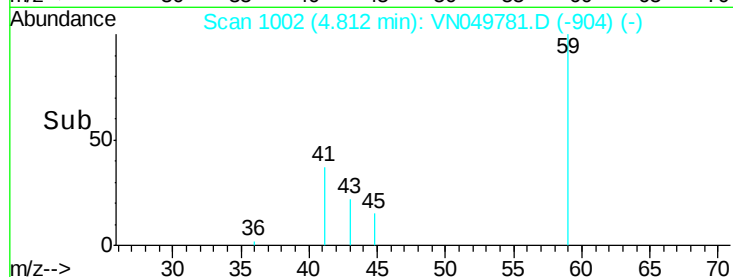
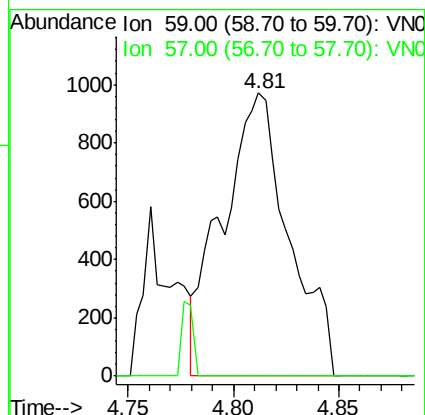
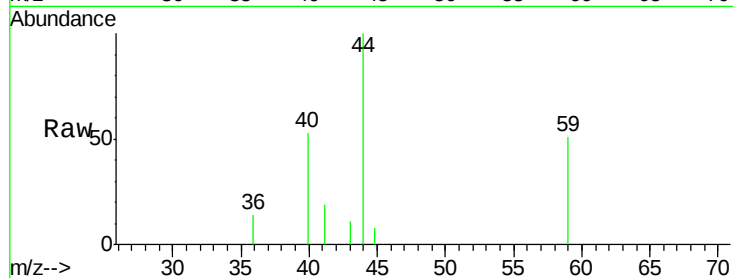


#11

Tert butyl alcohol
 Concen: 2.616 ug/l
 RT: 4.81 min Scan# 1002
 Delta R.T. 0.02 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

Instrument :
 MSVOA_N
 ClientSampled :

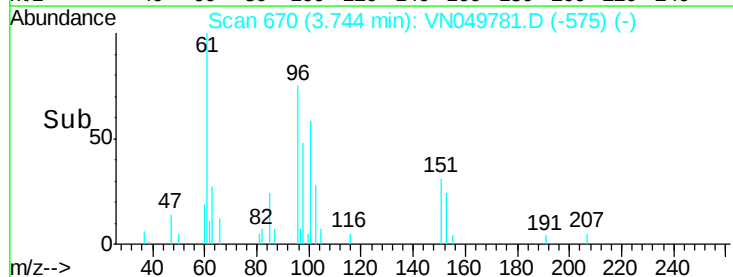
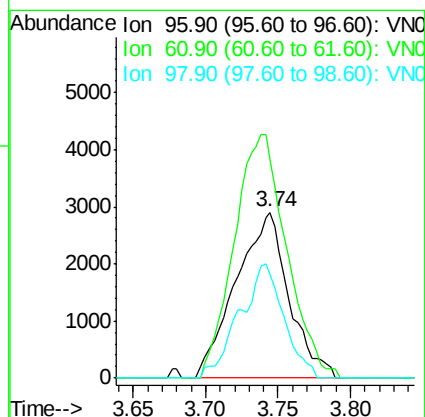
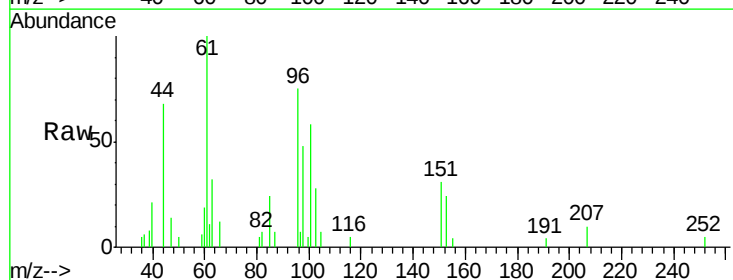
Tot Ion: 59 Resp: 2130
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

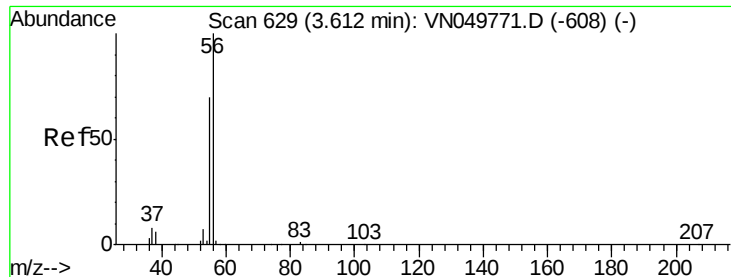


#12

1,1-Dichloroethene
 Concen: 0.653 ug/l
 RT: 3.74 min Scan# 670
 Delta R.T. 0.01 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

Tgt Ion: 96 Resp: 7388
 Ion Ratio Lower Upper
 96 100
 61 132.5 126.5 189.7
 98 63.0 51.0 76.6





#13

Acrolein

Concen: 4.802 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

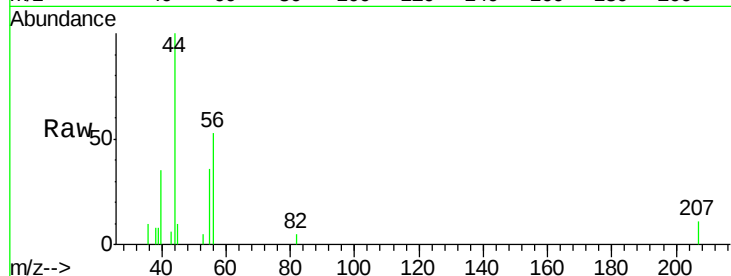
ClientSampleId :

Tot Ion: 56 Resp: 3434

Ion Ratio Lower Upper

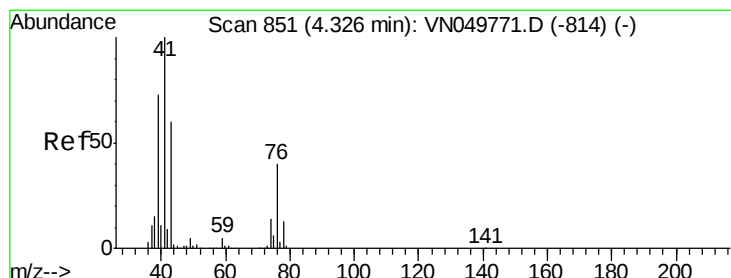
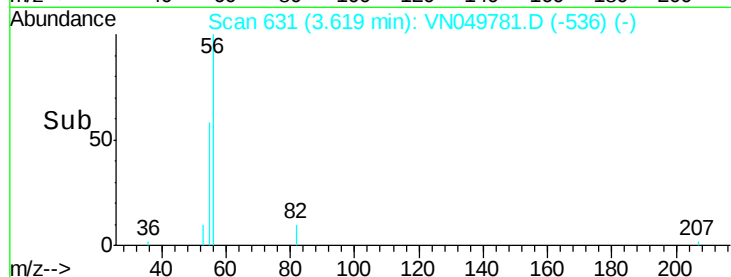
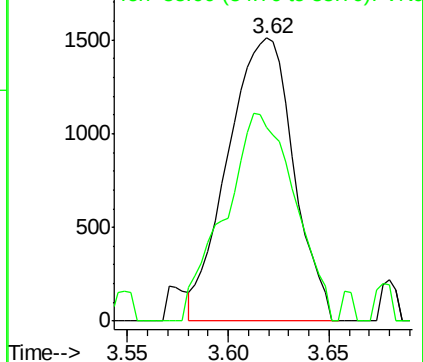
56 100

55 78.0 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.265 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.01 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

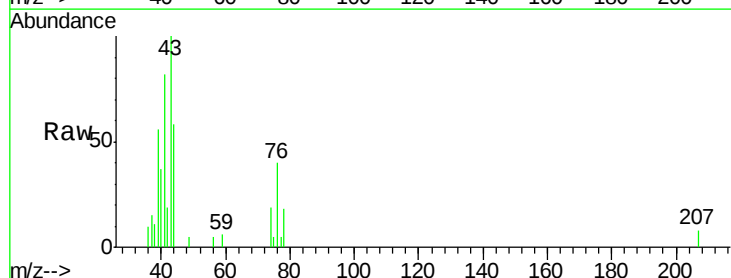
Tgt Ion: 41 Resp: 4893

Ion Ratio Lower Upper

41 100

39 152.7 53.2 79.8#

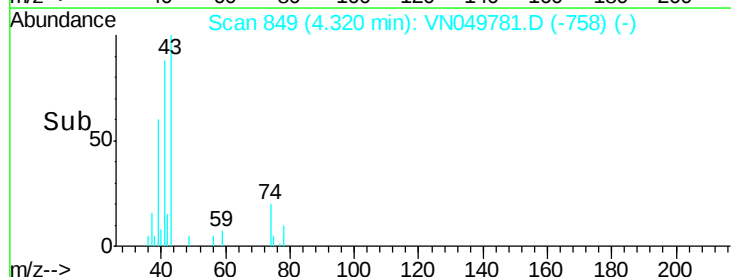
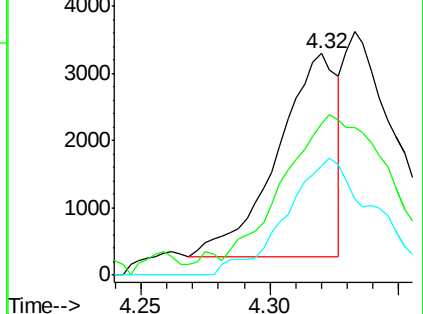
76 85.8 29.0 43.6#

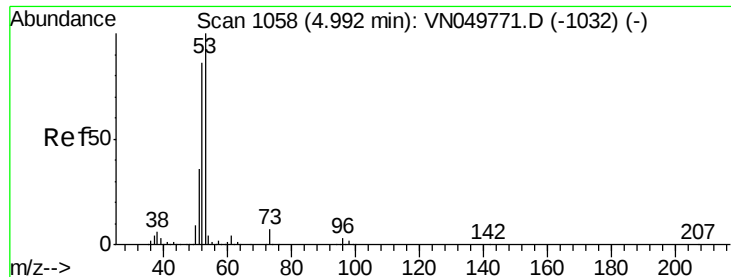


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 0.831 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :
MSVOA_N
ClientSampled :

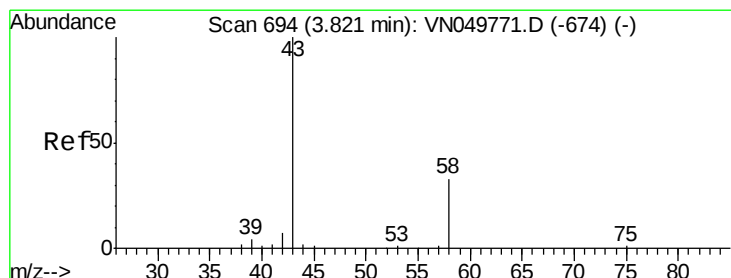
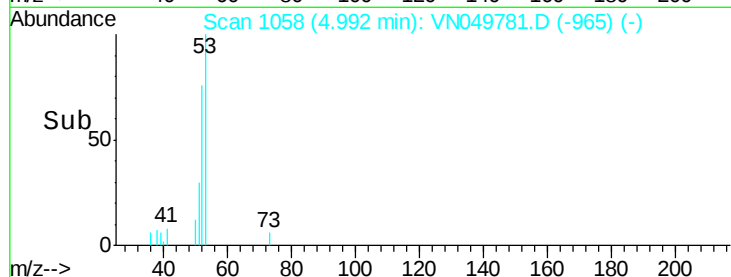
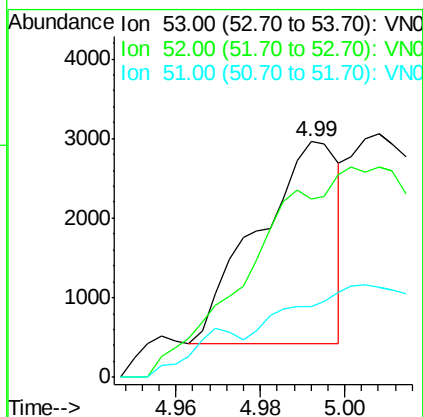
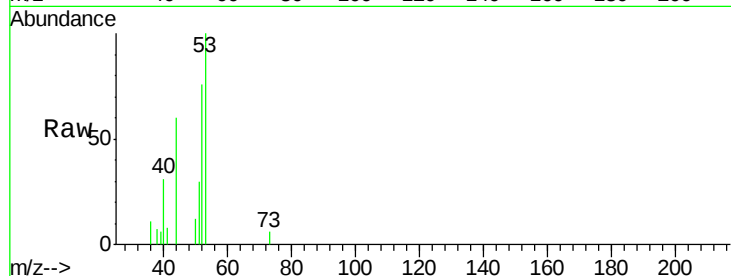
Tot Ion: 53 Resp: 3390

Ion Ratio Lower Upper

53 100

52 268.0 64.8 97.2#

51 49.0 28.9 43.3#



#16

Acetone

Concen: 1.521 ug/l

RT: 3.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN049781.D

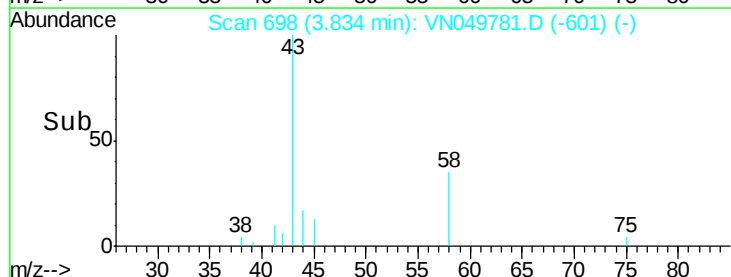
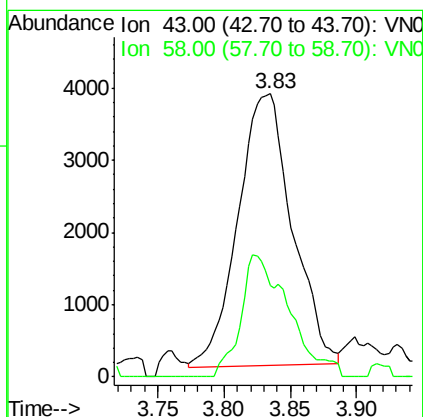
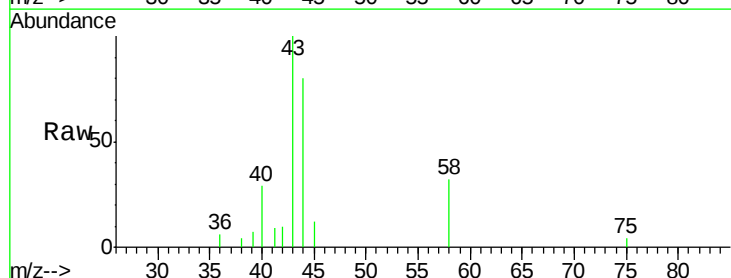
Acq: 12 Jul 2018 20:36

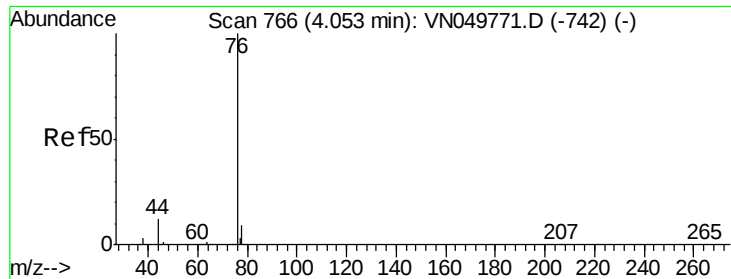
Tgt Ion: 43 Resp: 10734

Ion Ratio Lower Upper

43 100

58 34.0 25.9 38.9





#17

Carbon Disulfide

Concen: 0.419 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

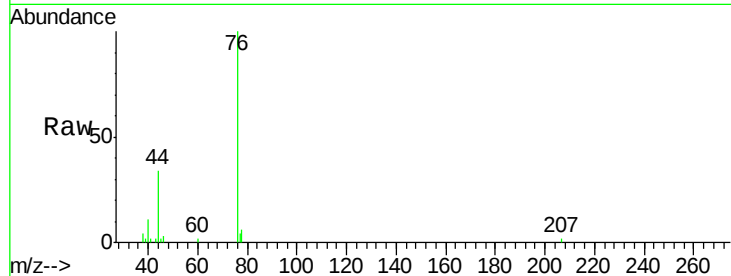
ClientSampled :

Tot Ion: 76 Resp: 24561

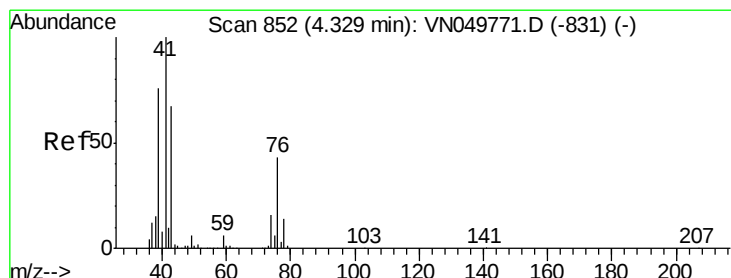
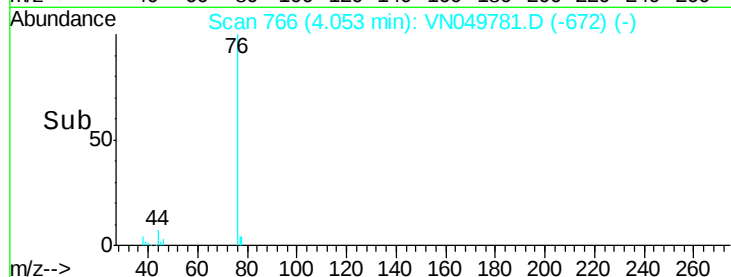
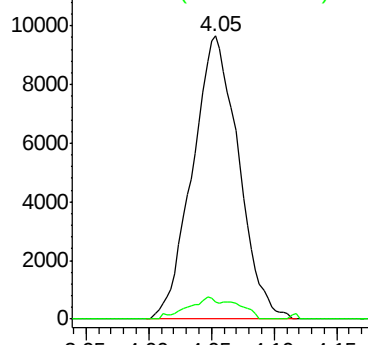
Ion Ratio Lower Upper

76 100

78 6.1 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VNC
Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 1.168 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN049781.D

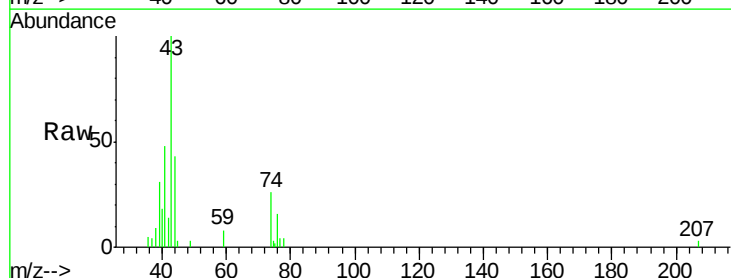
Acq: 12 Jul 2018 20:36

Tgt Ion: 43 Resp: 19189

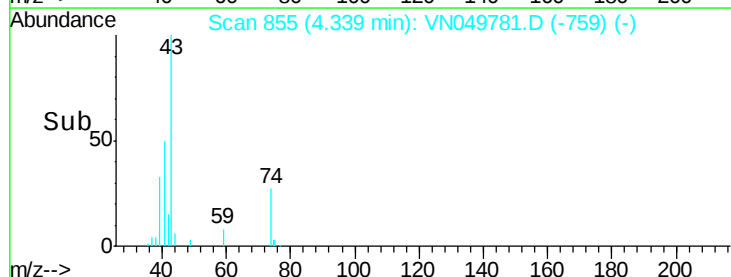
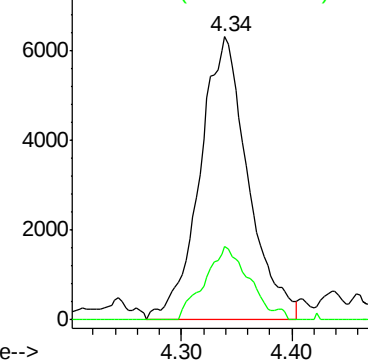
Ion Ratio Lower Upper

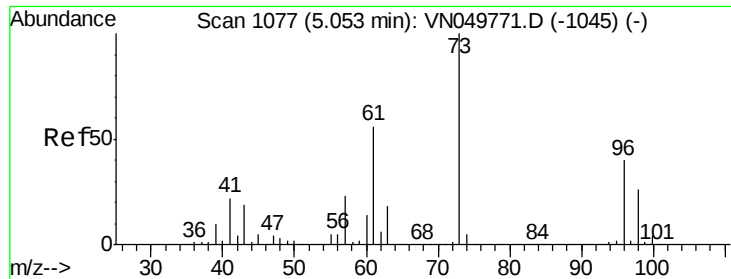
43 100

74 23.1 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 74.00 (73.70 to 74.70): VNC

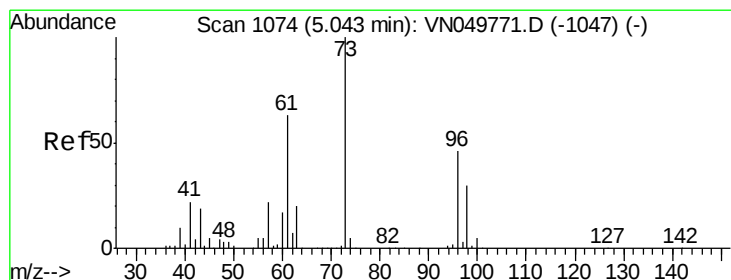
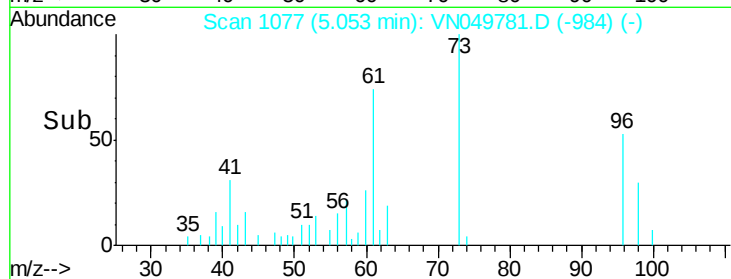
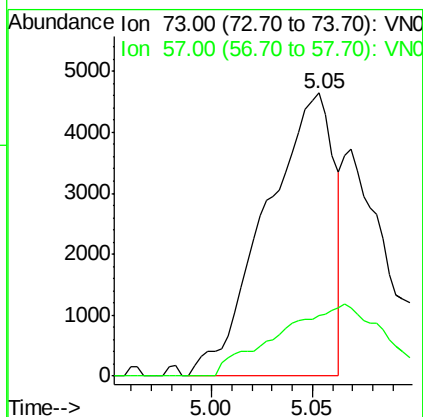
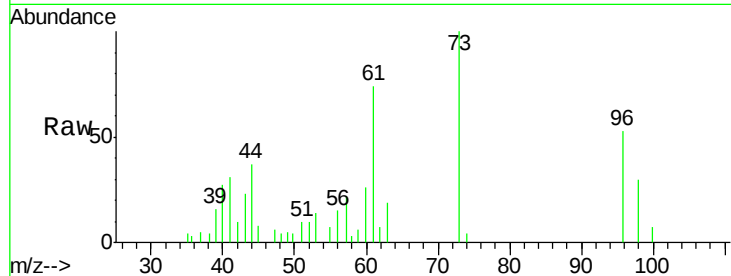




#19
Methvl tert-butvl Ether
Concen: 0.347 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

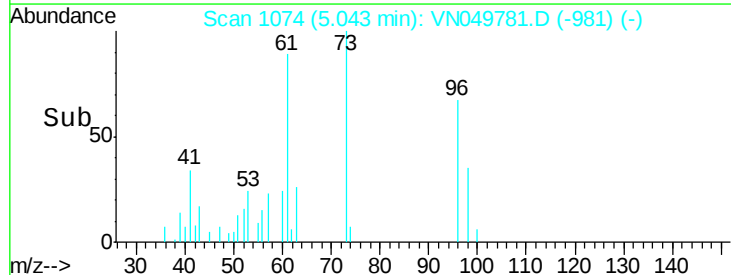
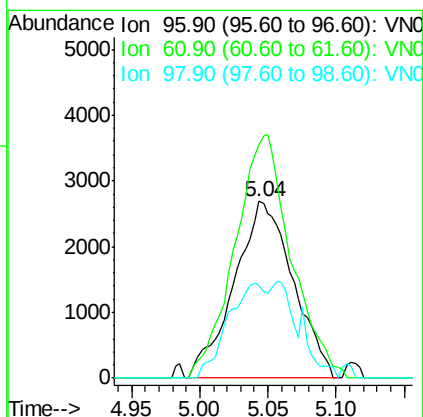
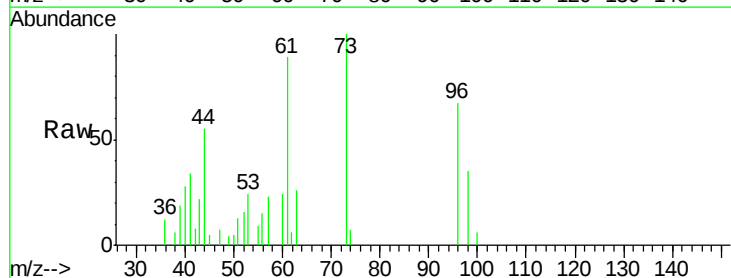
Instrument :
MSVOA_N
ClientSampled :

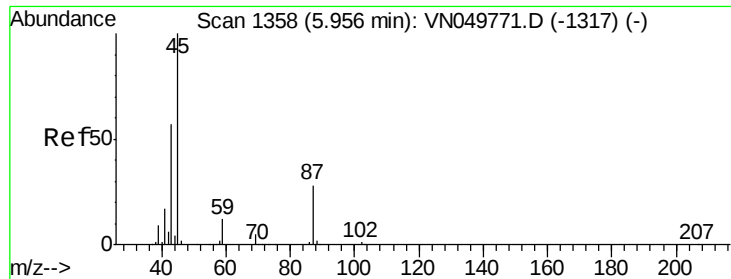
Tot Ion: 73 Resp: 10871
Ion Ratio Lower Upper
73 100
57 21.5 18.1 27.1



#21
trans-1,2-Dichloroethene
Concen: 0.653 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

Tgt Ion: 96 Resp: 8077
Ion Ratio Lower Upper
96 100
61 131.6 109.0 163.6
98 52.0 51.1 76.7





#22

Diisopropyl ether

Concen: 0.510 ug/l

RT: 5.96 min Scan# 1358

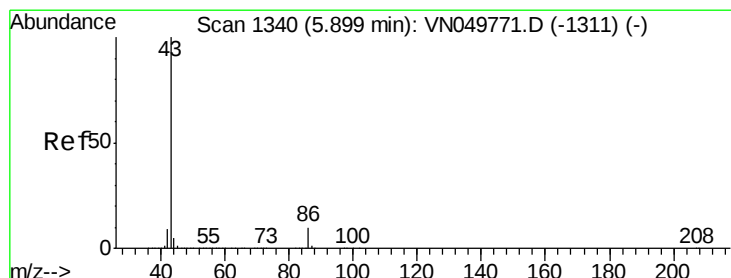
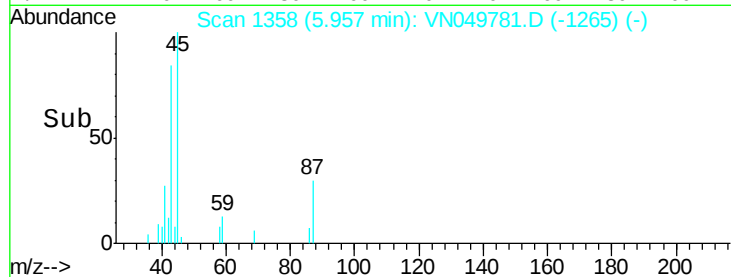
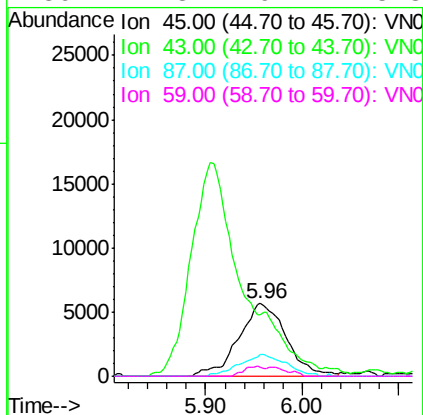
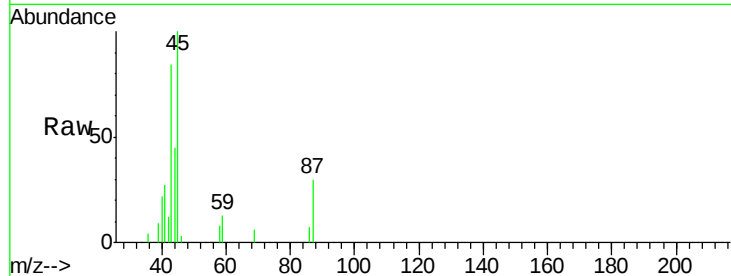
Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	45	Resp:	19318
Ion	Ratio	Lower	Upper
45	100		
43	73.3	48.1	72.1#
87	30.1	22.6	34.0
59	12.8	9.2	13.8



#23

Vinyl Acetate

Concen: 2.096 ug/l

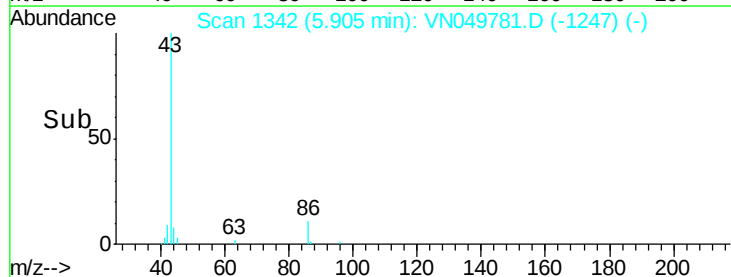
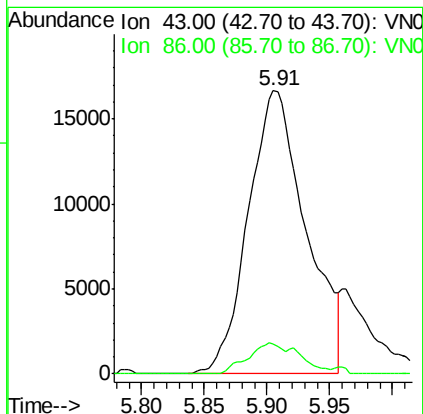
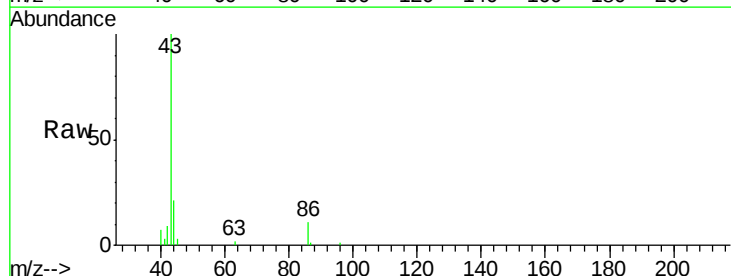
RT: 5.91 min Scan# 1342

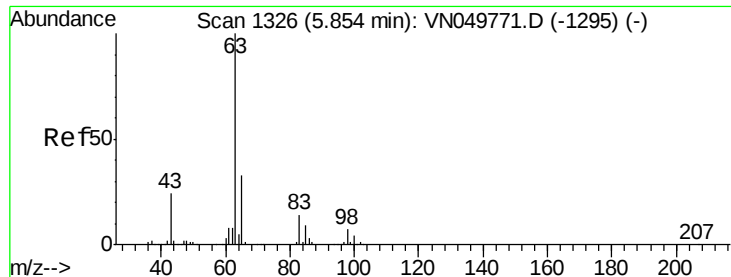
Delta R.T. 0.01 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Tgt Ion:	43	Resp:	53248
Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.4	12.6





#24

1,1-Dichloroethane

Concen: 0.617 ug/l

RT: 5.85 min Scan# 1326

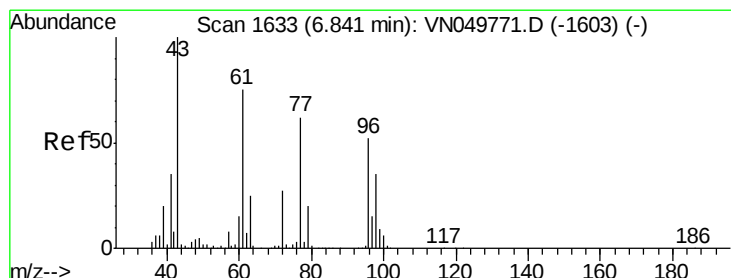
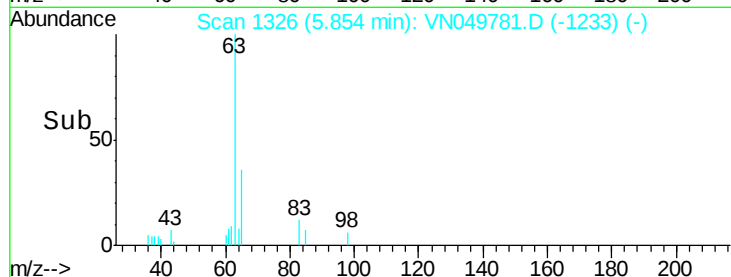
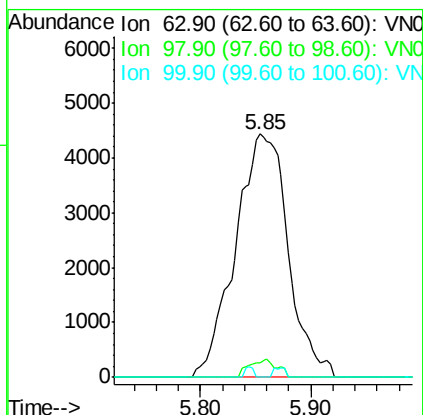
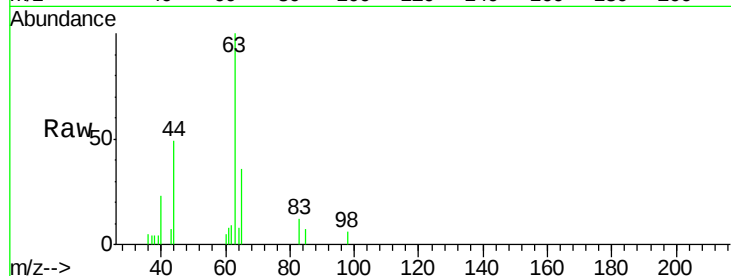
Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	63	Resp:	14701
Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.4	10.2
100	0.0	2.2	6.6#



#25

2-Butanone

Concen: 2.498 ug/l

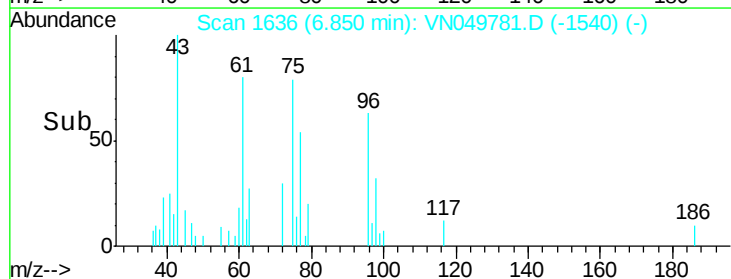
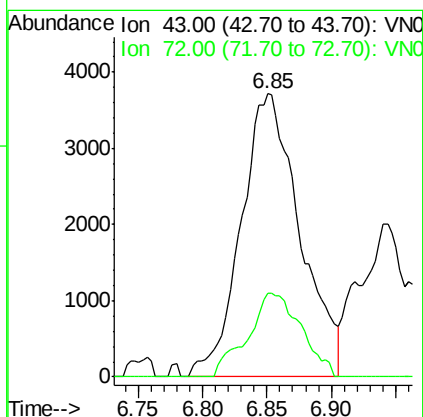
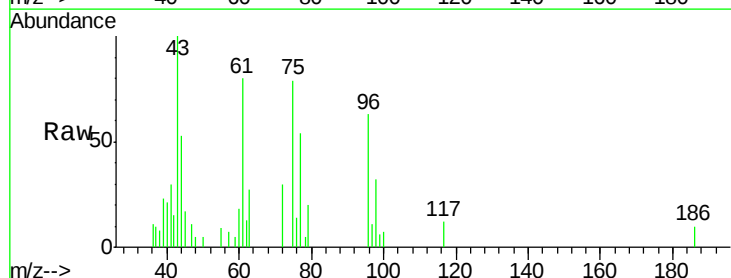
RT: 6.85 min Scan# 1636

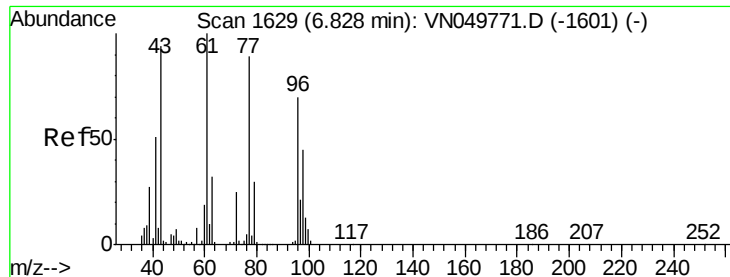
Delta R.T. 0.01 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Tgt Ion:	43	Resp:	11844
Ion	Ratio	Lower	Upper
43	100		
72	29.5	22.1	33.1





#26

2,2-Dichloropropane

Concen: 0.267 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

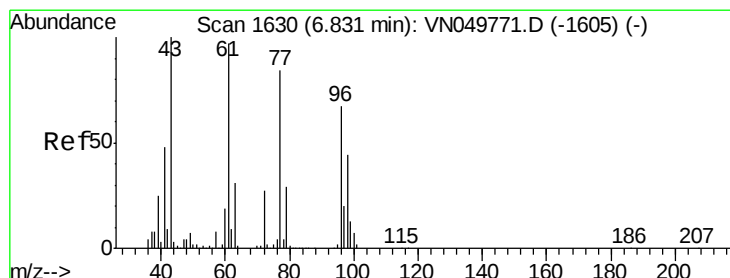
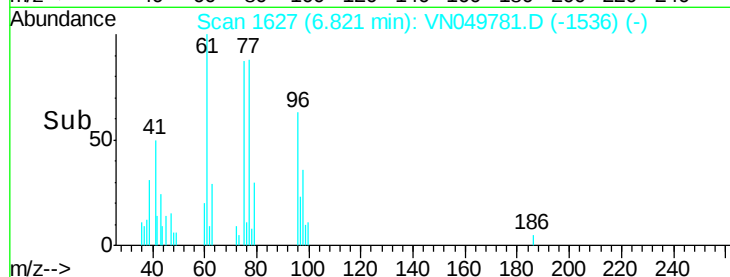
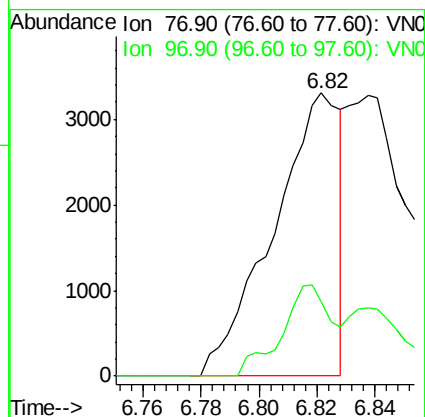
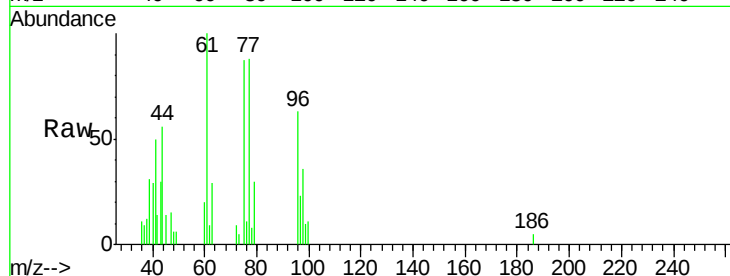
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 77 Resp: 5277

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.5



#27

cis-1,2-Dichloroethene

Concen: 0.644 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

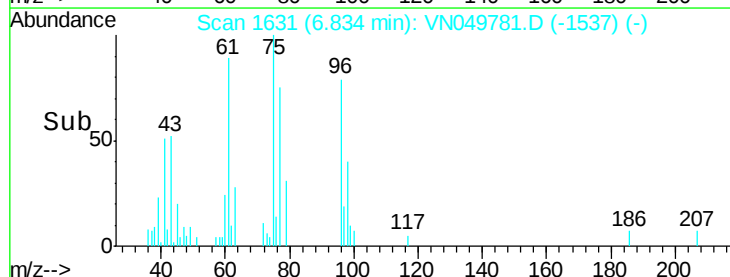
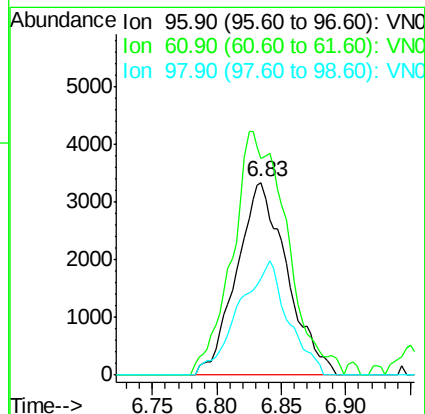
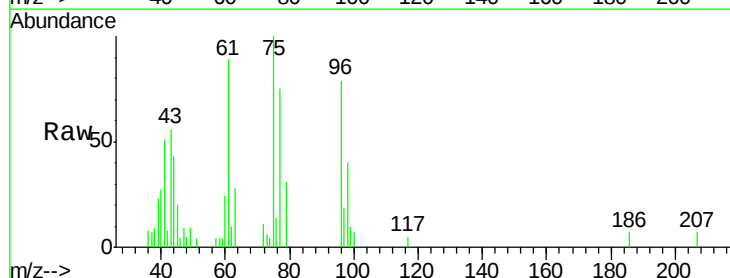
Tgt Ion: 96 Resp: 9108

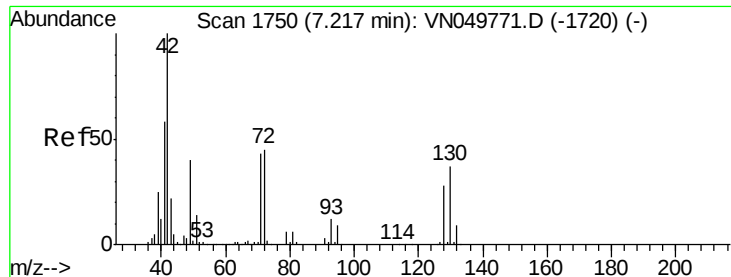
Ion Ratio Lower Upper

96 100

61 136.5 0.0 289.0

98 57.9 0.0 130.2

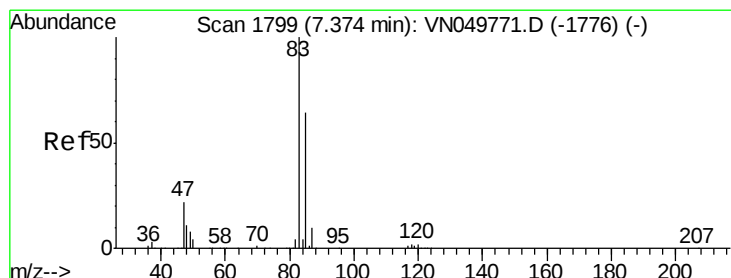
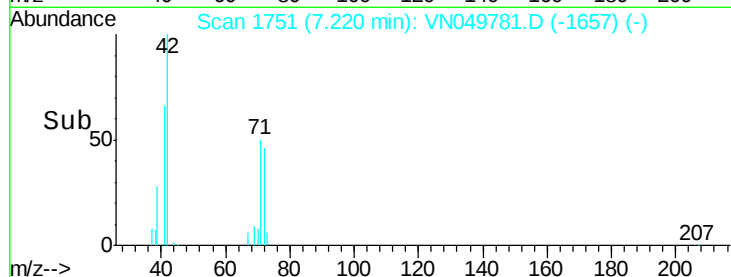
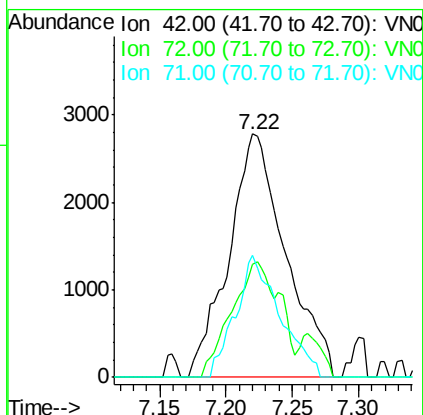
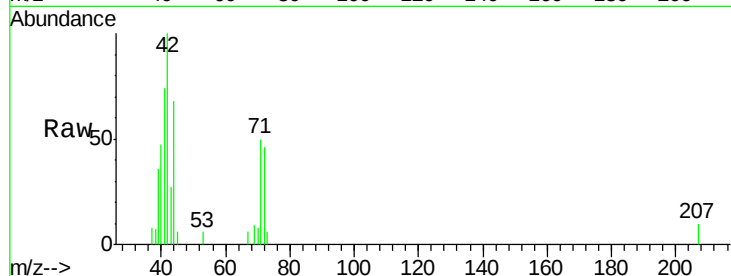




#29
Tetrahydrofuran
Concen: 2.799 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

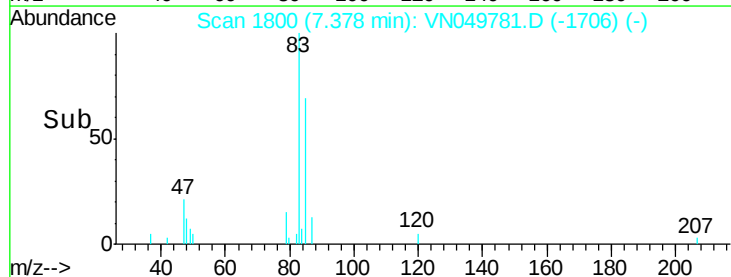
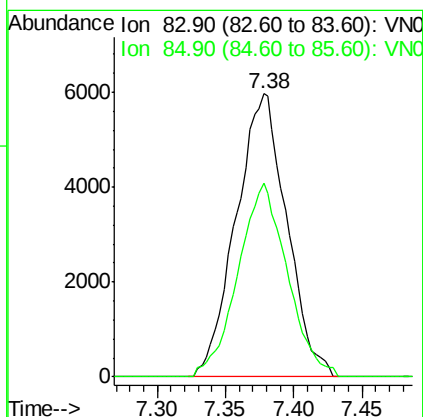
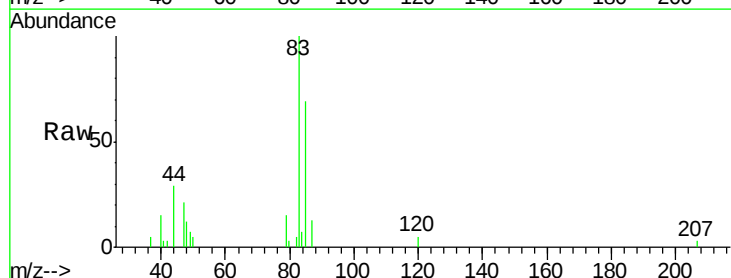
Instrument :
MSVOA_N
ClientSampled :

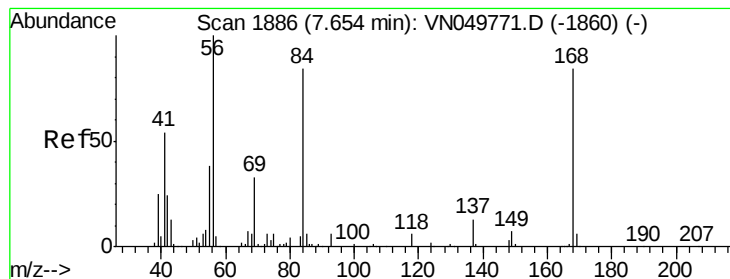
Tot Ion: 42 Resp: 8333
Ion Ratio Lower Upper
42 100
72 39.9 35.6 53.4
71 38.9 34.0 51.0



#30
Chloroform
Concen: 0.629 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

Tgt Ion: 83 Resp: 15441
Ion Ratio Lower Upper
83 100
85 68.6 51.4 77.2





#31

Cyclohexane

Concen: 1.284 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :
MSVOA_N
ClientSampled :

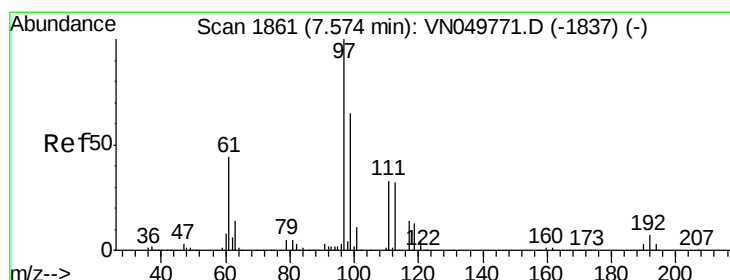
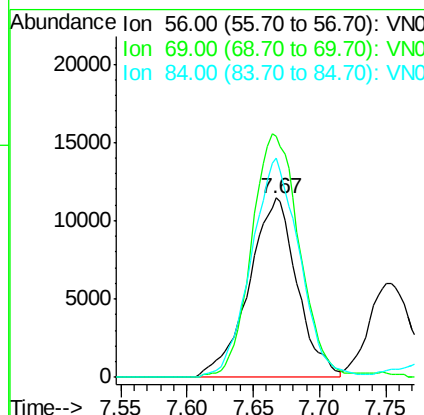
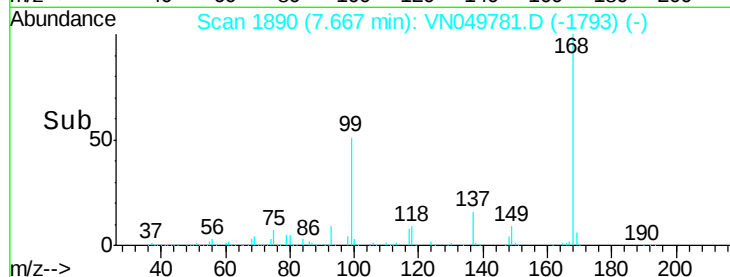
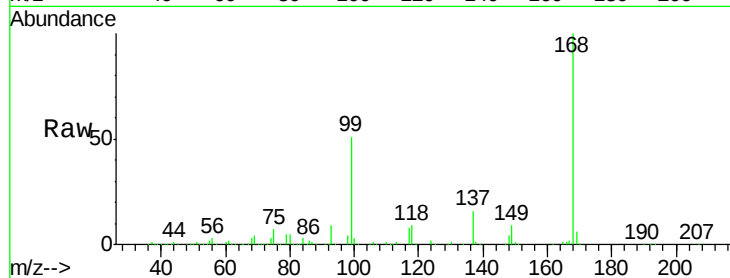
Tot Ion: 56 Resp: 29051

Ion Ratio Lower Upper

56 100

69 134.9 26.6 40.0#

84 122.6 69.0 103.6#



#32

1,1,1-Trichloroethane

Concen: 0.602 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

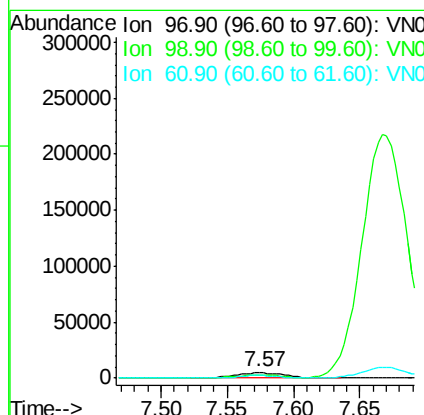
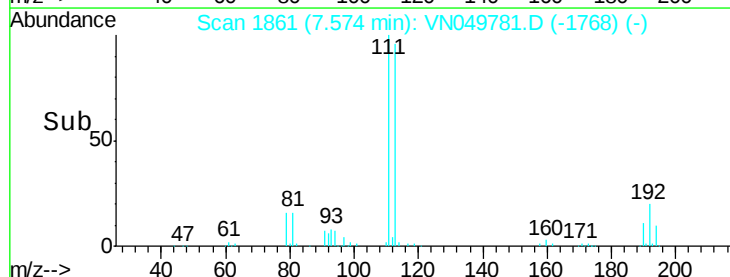
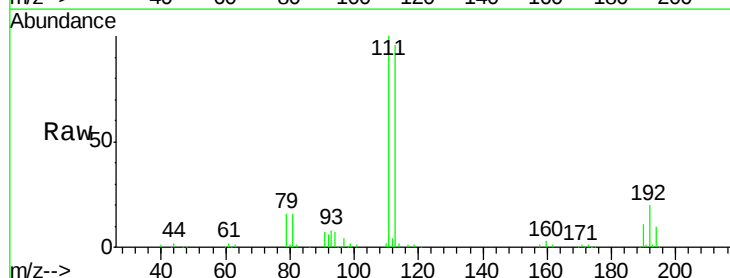
Tgt Ion: 97 Resp: 12539

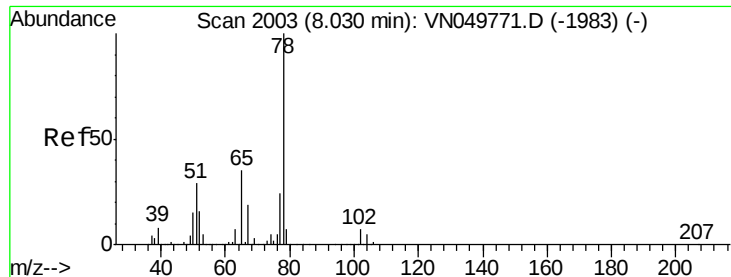
Ion Ratio Lower Upper

97 100

99 0.0 51.0 76.4#

61 46.2 35.5 53.3

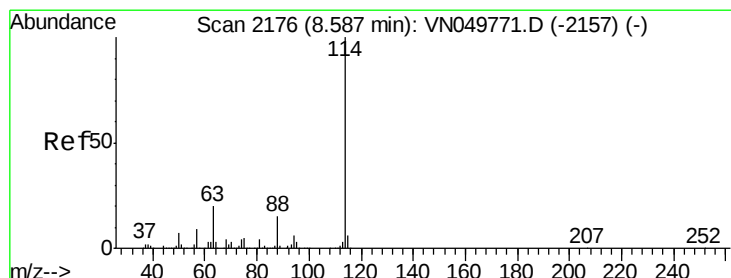
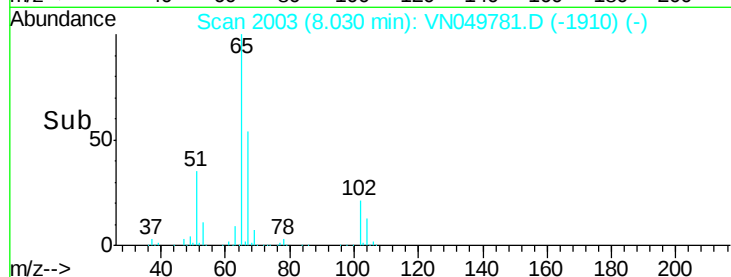
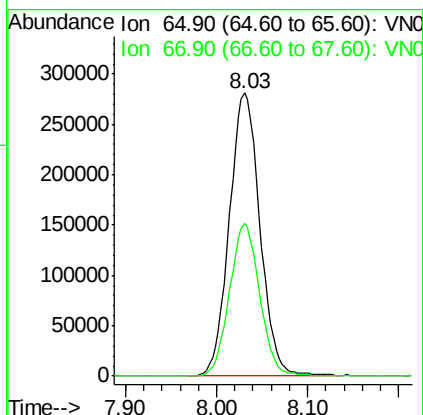
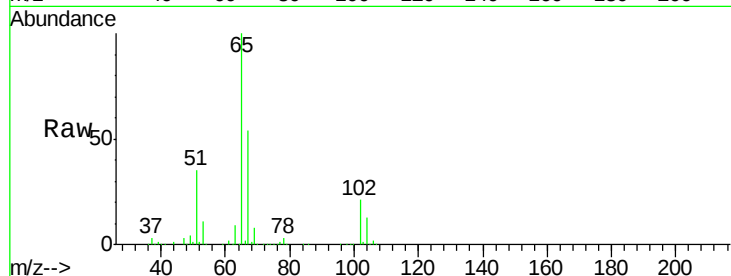




#33
 1,2-Dichloroethane-d4
 Concen: 54.184 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

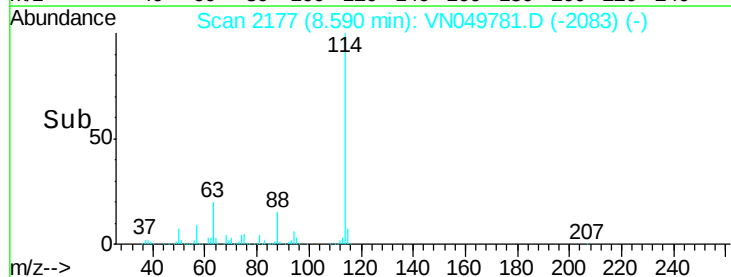
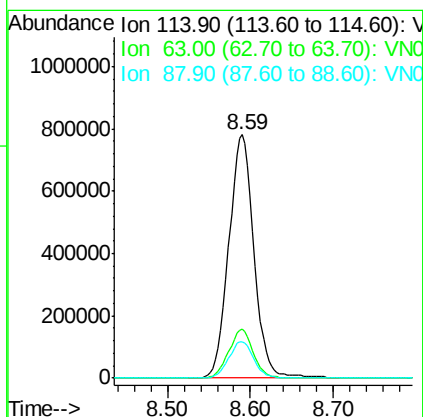
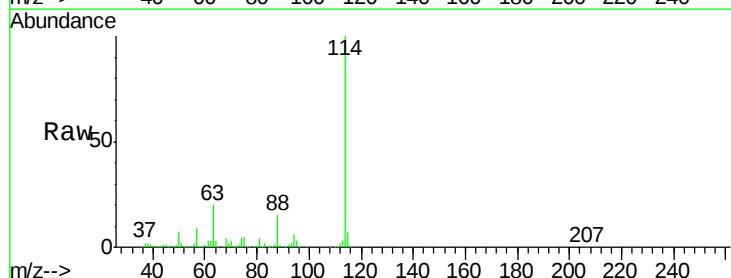
Instrument :
 MSVOA_N
 ClientSampleId :

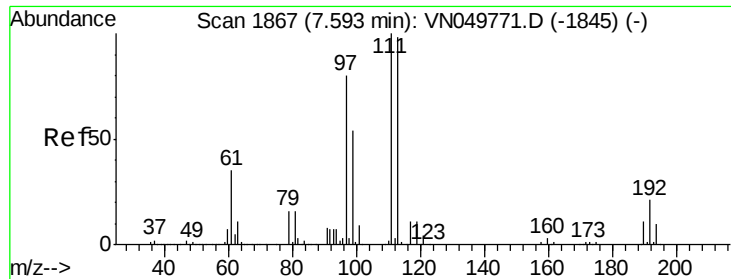
Tot Ion: 65 Resp: 659136
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

Tgt Ion: 114 Resp: 1649940
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.0 0.0 30.6

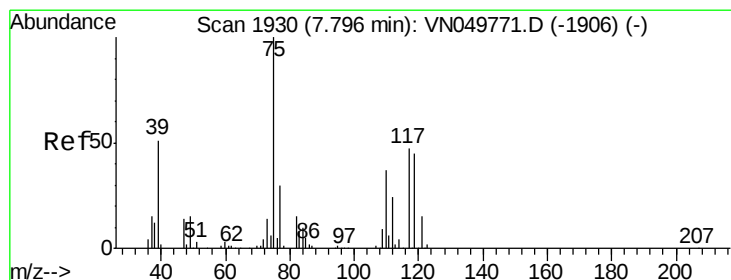
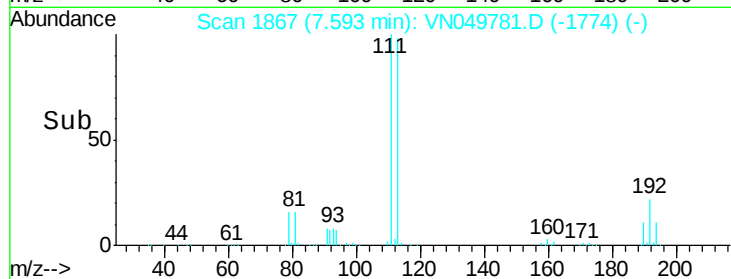
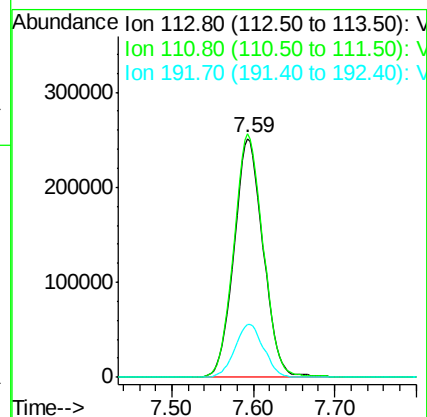
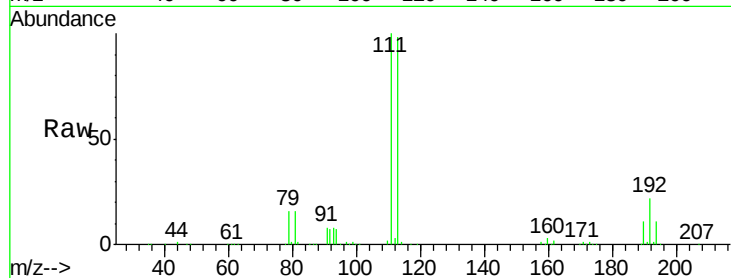




#35
 Dibromofluoromethane
 Concen: 50.430 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

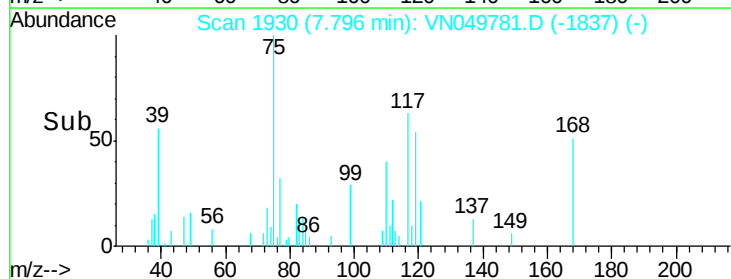
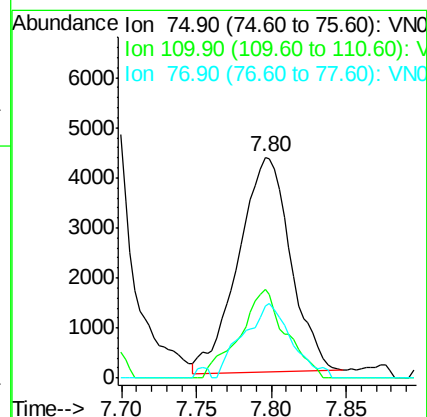
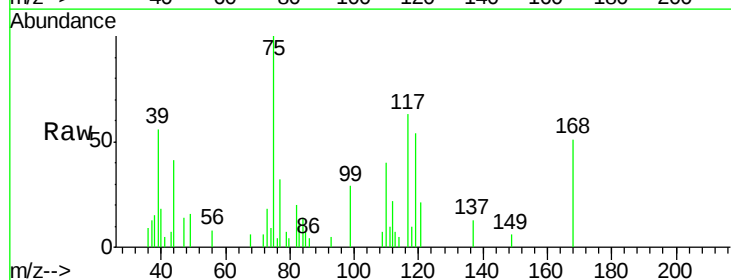
Instrument :
 MSVOA_N
 ClientSampleId :

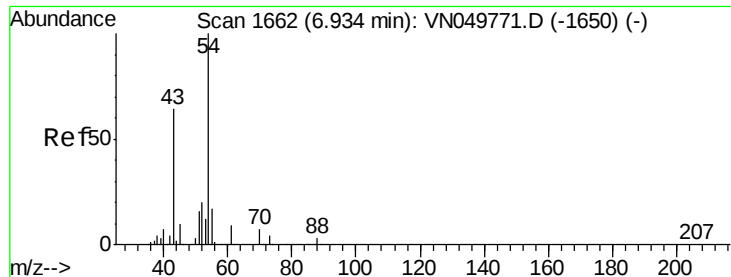
Tot Ion:113 Resp: 627196
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.8
 192 21.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 0.548 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

Tgt Ion: 75 Resp: 10427
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.1 54.4
 77 32.1 24.9 37.3

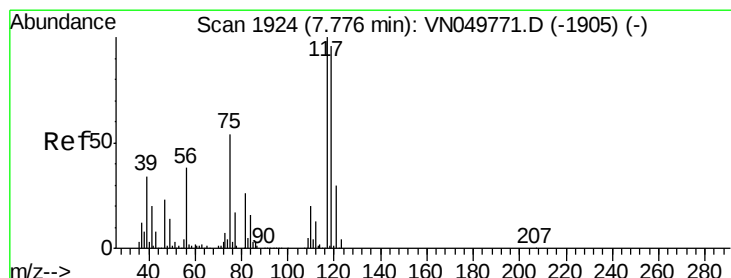
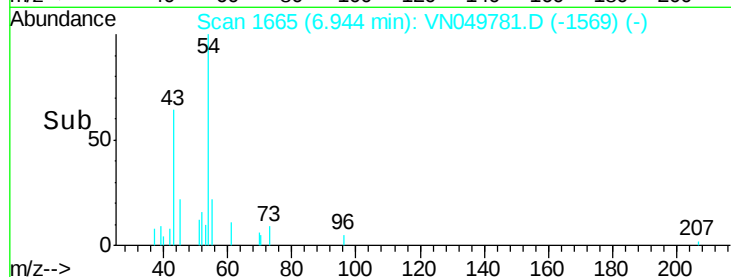
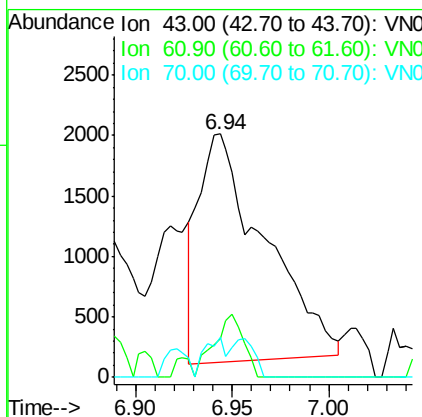
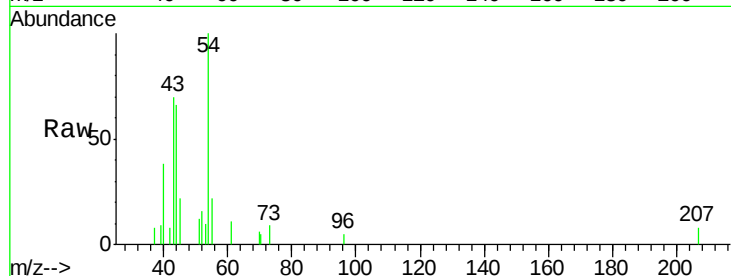




#37
Ethyl Acetate
Concen: 0.395 ug/l
RT: 6.94 min Scan# 1665
Delta R.T. 0.01 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

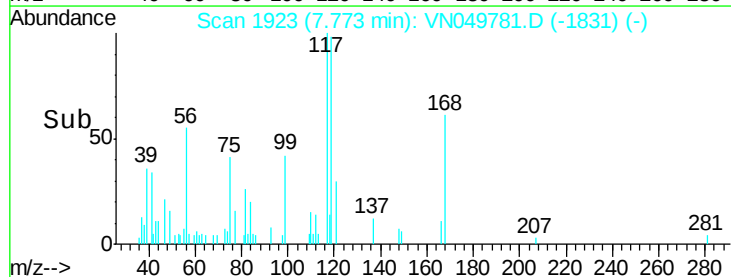
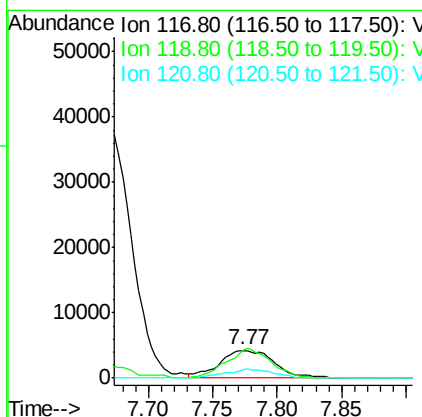
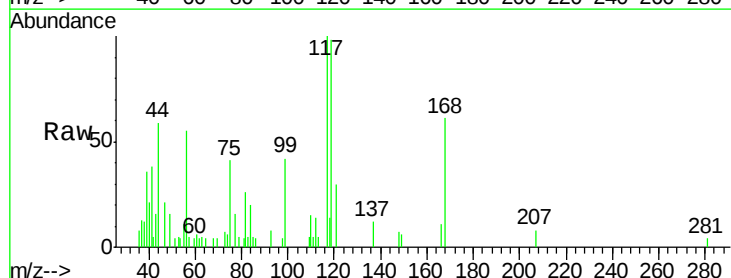
Instrument :
MSVOA_N
ClientSampled :

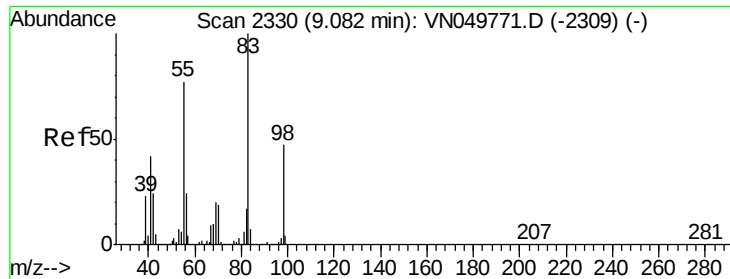
Tot Ion: 43 Resp: 4451
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 5.4 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 0.637 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

Tgt Ion: 117 Resp: 12653
Ion Ratio Lower Upper
117 100
119 98.1 77.2 115.8
121 30.1 25.0 37.6

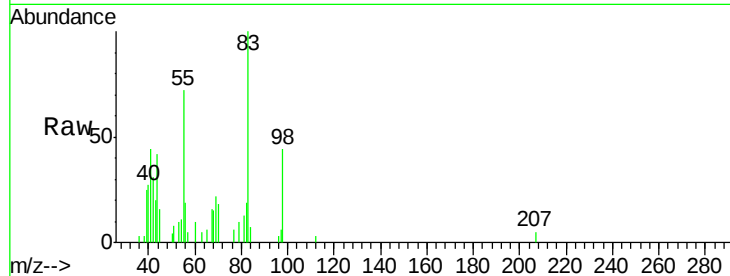




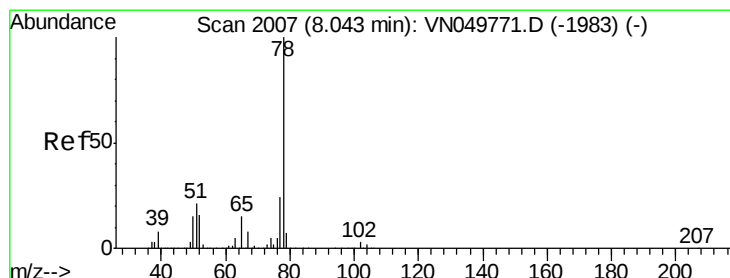
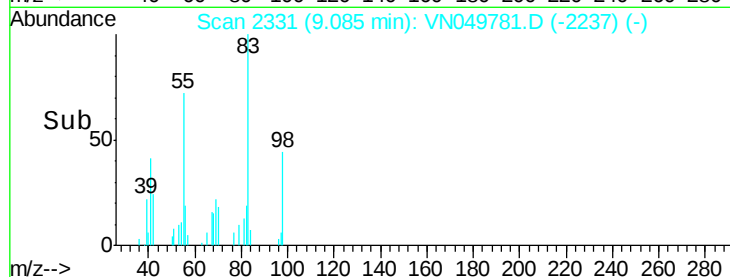
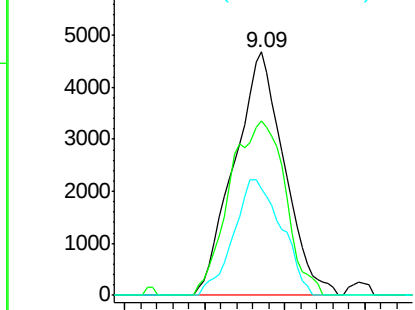
#39
Methvlcvclohexane
Concen: 0.498 ug/l
RT: 9.09 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 9977
Ion Ratio Lower Upper
83 100
55 71.7 59.7 89.5
98 43.7 36.5 54.7

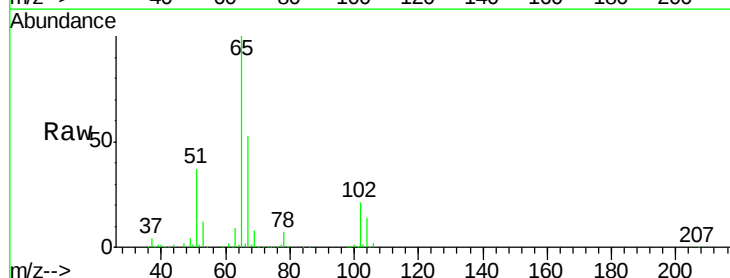


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

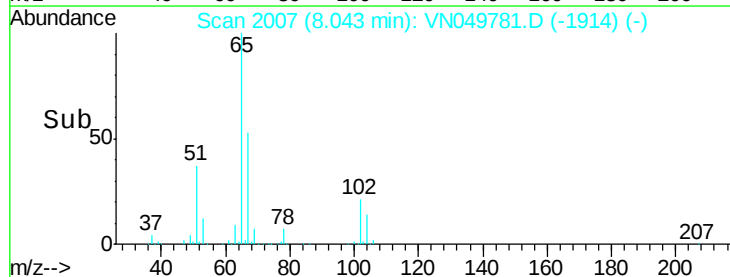
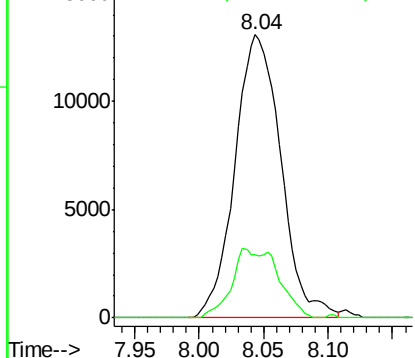


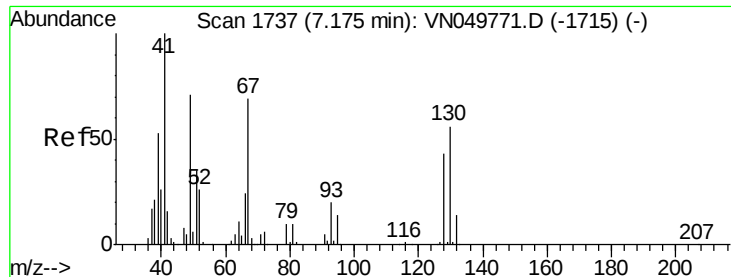
#40
Benzene
Concen: 0.571 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

Tgt Ion: 78 Resp: 32488
Ion Ratio Lower Upper
78 100
77 22.3 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 0.400 ug/l

RT: 7.17 min Scan# 1735

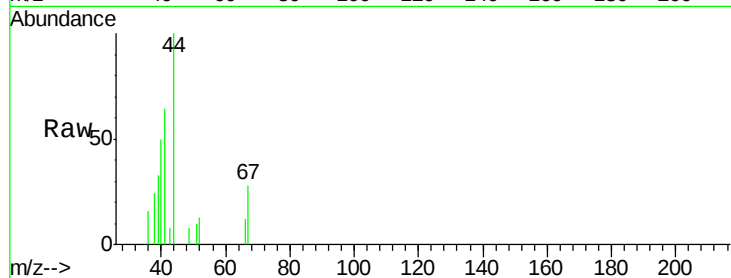
Delta R.T. -0.01 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	2546
Ion	Ratio	Lower	Upper
41	100		
39	86.2	45.4	68.2#
67	65.6	65.4	98.0
52	30.1	24.7	37.1



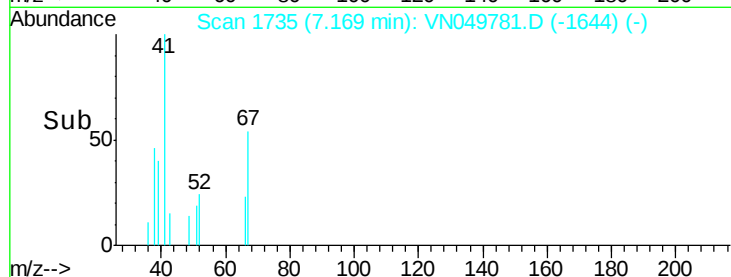
Abundance Ion 41.00 (40.70 to 41.70): VN049771.D (-1715) (-)

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) (-)

Time-->



Abundance

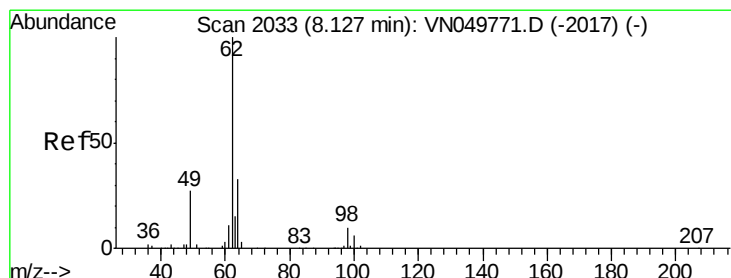
Ion 41.00 (40.70 to 41.70): VN049771.D (-1715) (-)

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) (-)

Time-->



#42

1,2-Dichloroethane

Concen: 0.576 ug/l

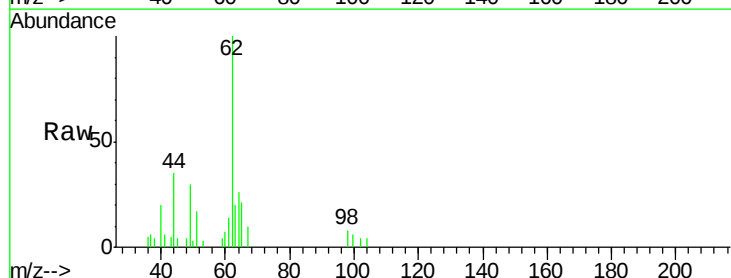
RT: 8.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

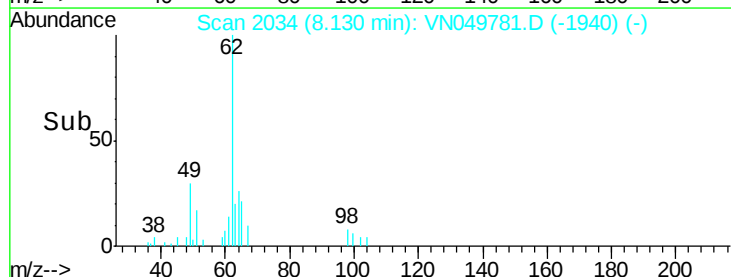
Tgt Ion:	62	Resp:	10708
Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	19.0



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

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

Time-->

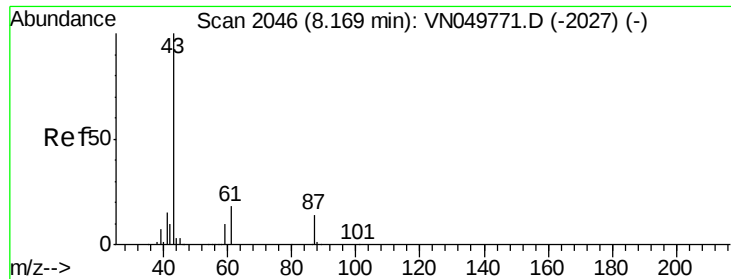


Abundance

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

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

Time-->

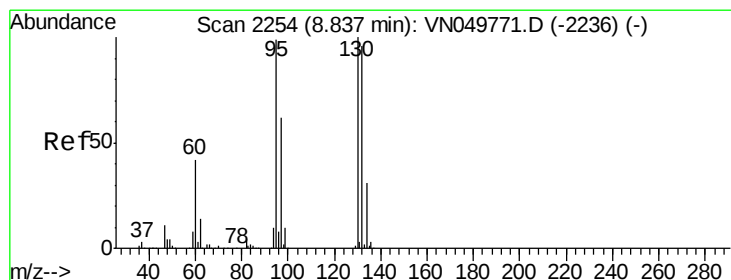
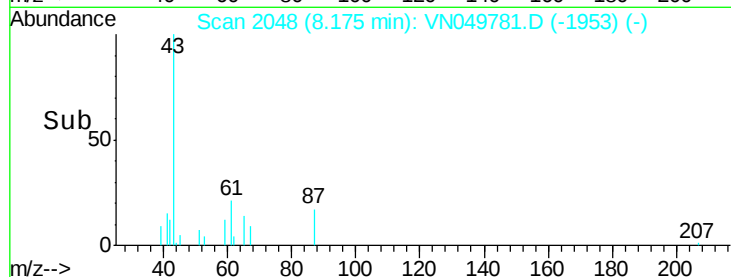
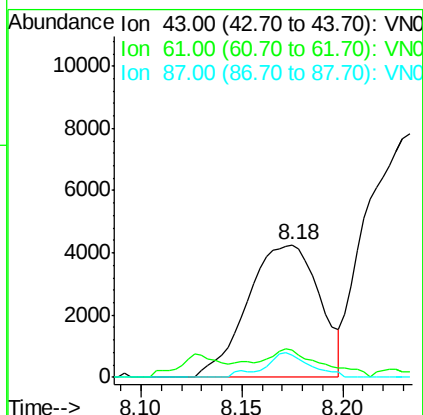
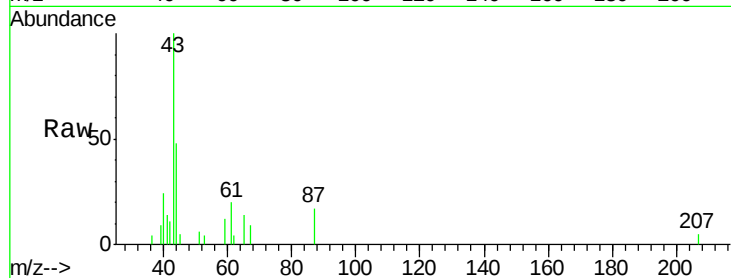


#43

Isopropyl Acetate
 Concen: 0.522 ug/l
 RT: 8.18 min Scan# 2048
 Delta R.T. 0.01 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

Instrument :
 MSVOA_N
 ClientSampled :

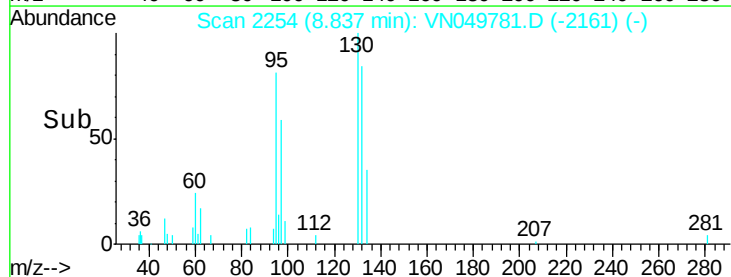
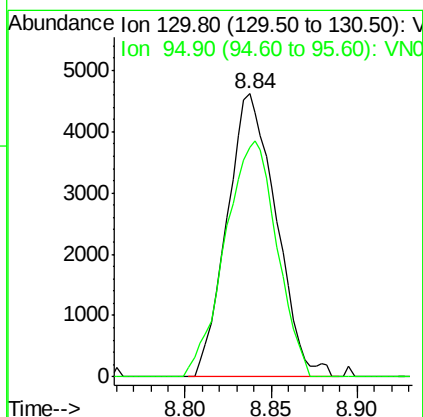
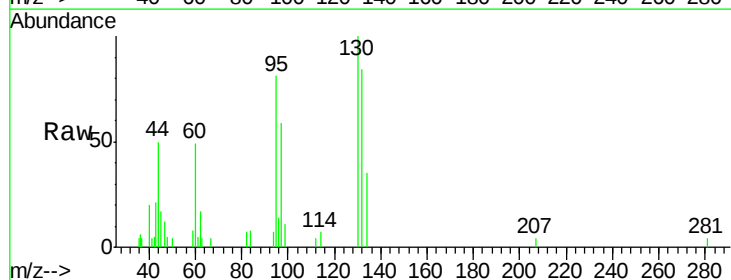
Tot Ion	43	Resp	10563
Ion Ratio	Lower	Upper	
43	100		
61	15.9	14.9	22.3
87	10.2	10.0	15.0

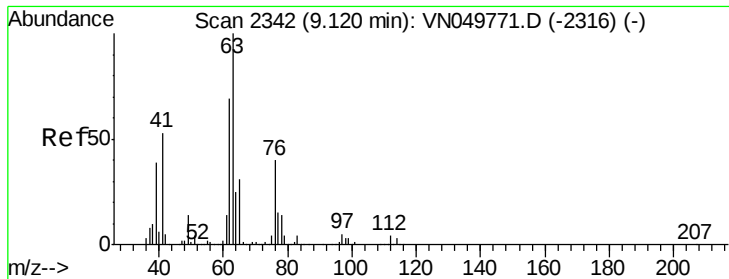


#44

Trichloroethene
 Concen: 0.598 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

Tgt Ion	130	Resp	9157
Ion Ratio	Lower	Upper	
130	100		
95	81.2	0.0	192.8





#45

1,2-Dichloropropane

Concen: 0.537 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

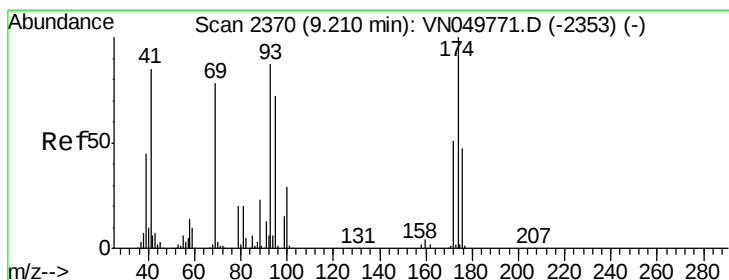
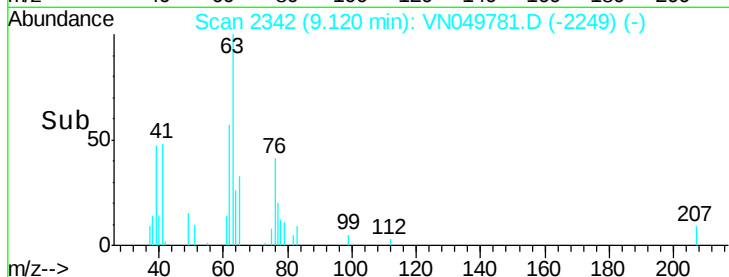
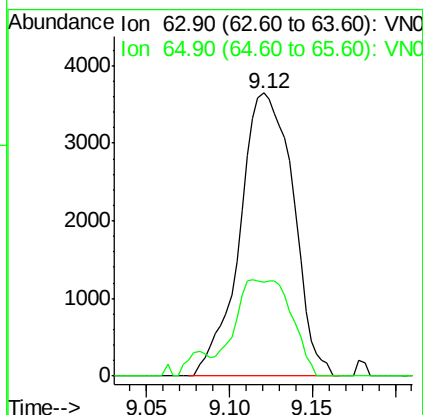
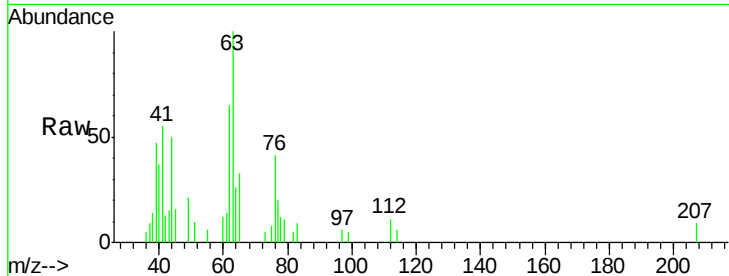
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 8202

Ion Ratio Lower Upper

63 100

65 33.0 24.7 37.1



#46

Dibromomethane

Concen: 0.593 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

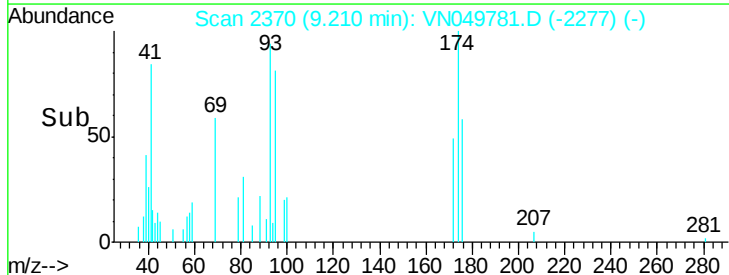
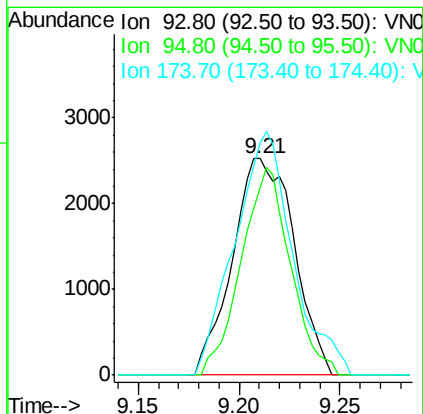
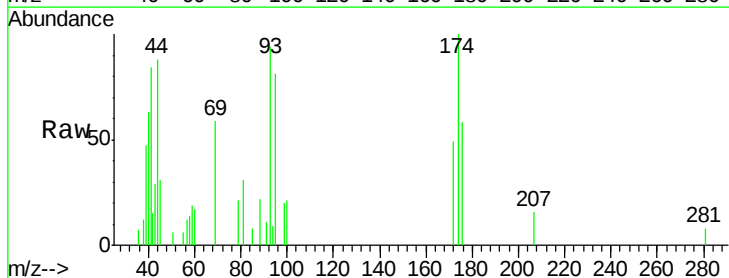
Tgt Ion: 93 Resp: 5388

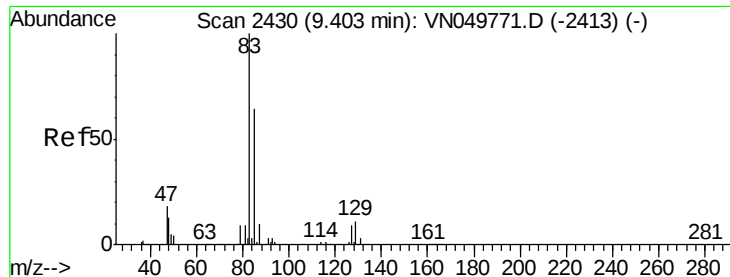
Ion Ratio Lower Upper

93 100

95 76.6 67.9 101.9

174 105.9 89.4 134.0





#47

Bromodichloromethane

Concen: 0.528 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

ClientSampleId :

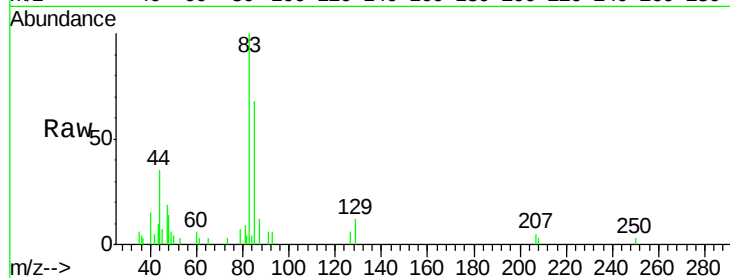
Tot Ion: 83 Resp: 10560

Ion Ratio Lower Upper

83 100

85 67.7 50.5 75.7

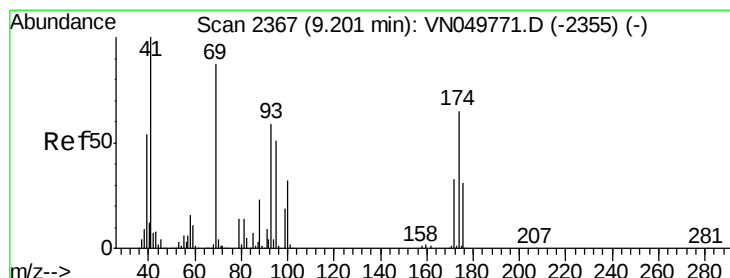
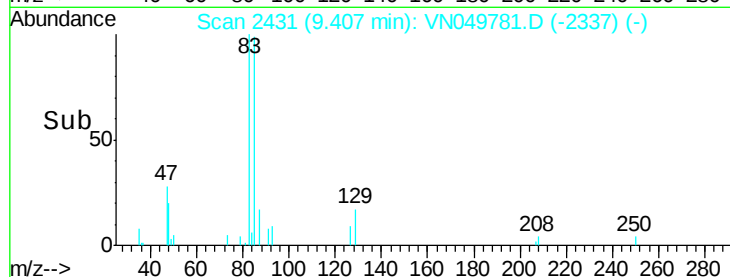
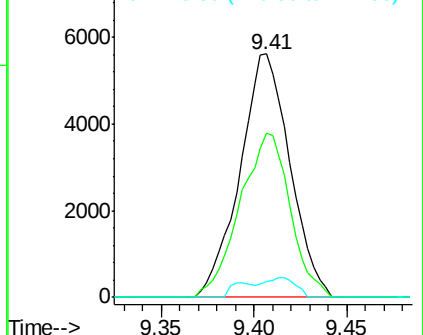
127 6.2 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VN049781.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049781.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049781.D (-2337) (-)



#48

Methyl methacrylate

Concen: 0.460 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

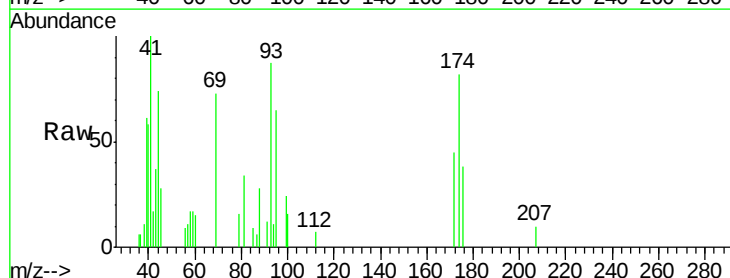
Tgt Ion: 41 Resp: 4653

Ion Ratio Lower Upper

41 100

69 84.2 71.5 107.3

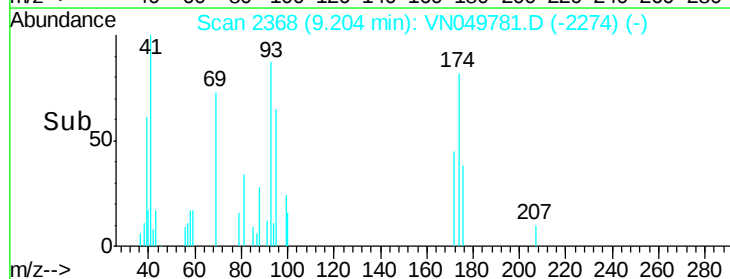
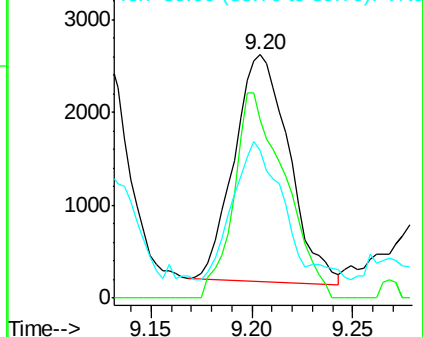
39 55.8 44.7 67.1

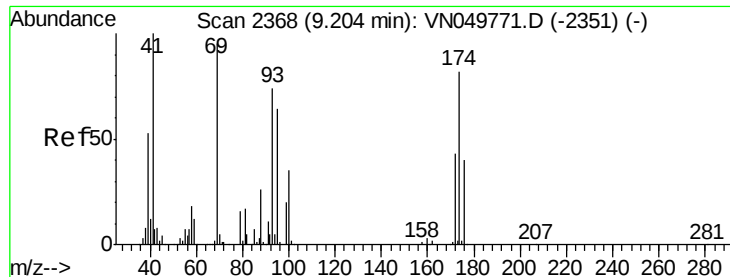


Abundance Ion 41.00 (40.70 to 41.70): VN049781.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049781.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049781.D (-2274) (-)

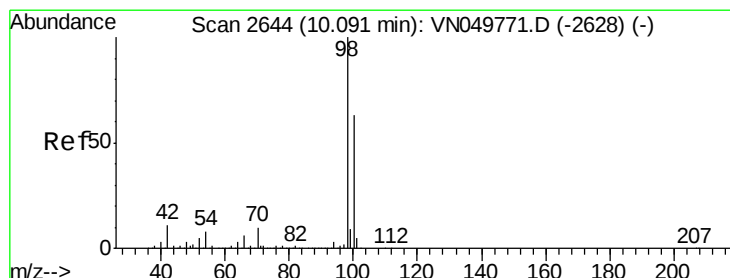
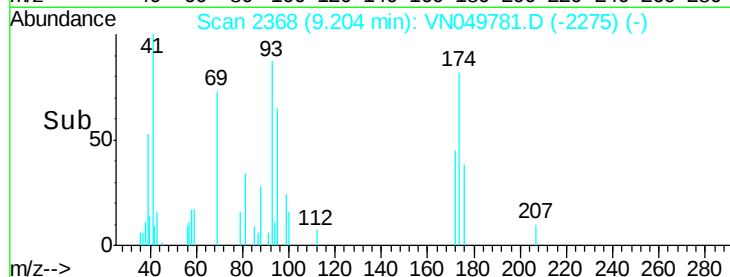
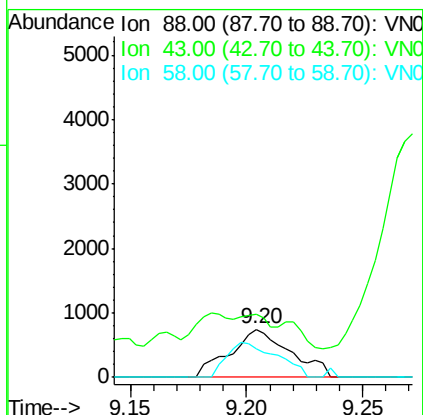
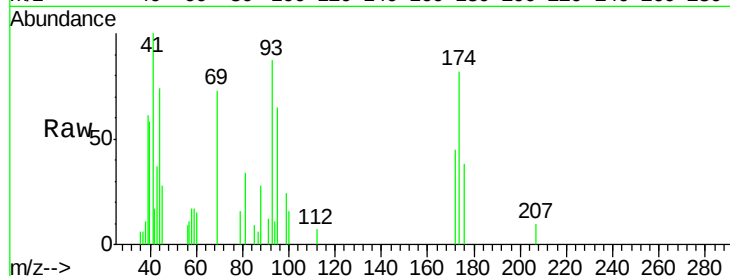




#49
1,4-Dioxane
Concen: 10.081 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

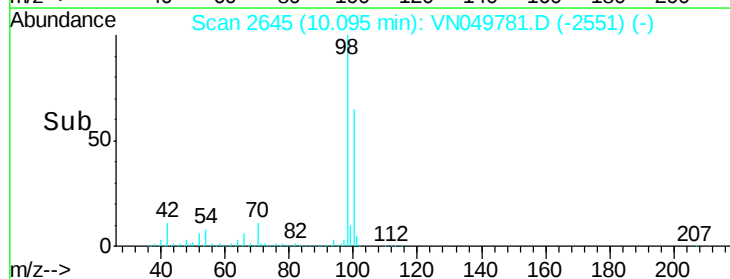
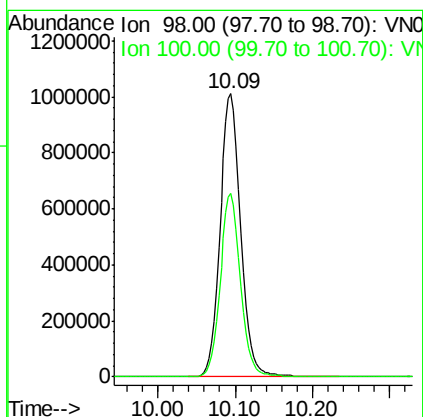
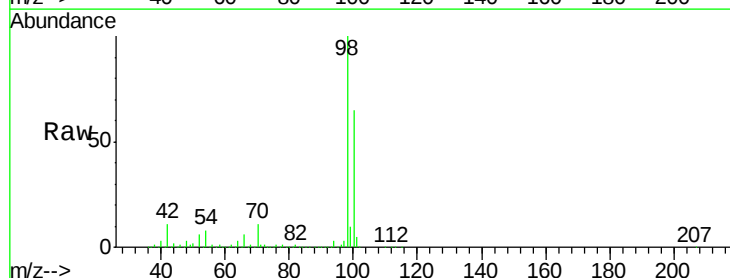
Instrument :
MSVOA_N
ClientSampleId :

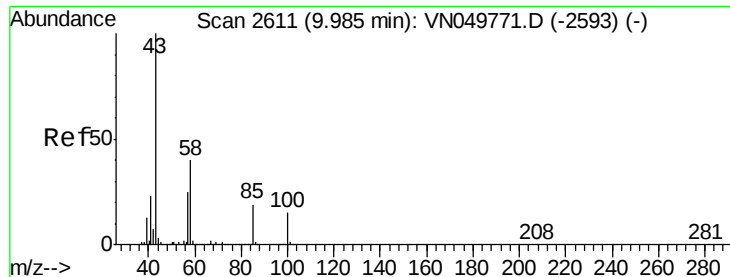
Tot Ion: 88 Resp: 1336
Ion Ratio Lower Upper
88 100
43 31.4 25.1 37.7
58 61.2 52.5 78.7



#50
Toluene-d8
Concen: 44.149 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

Tgt Ion: 98 Resp: 1879482
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5

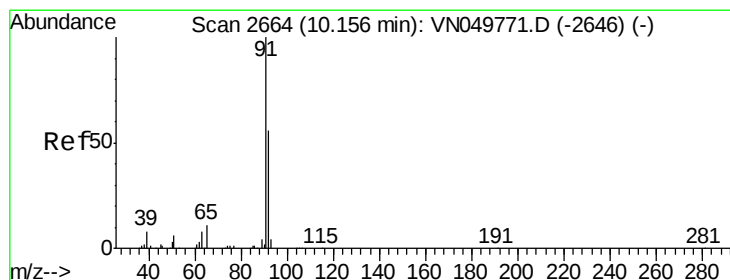
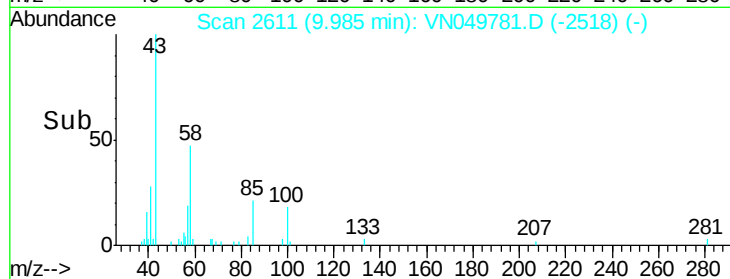
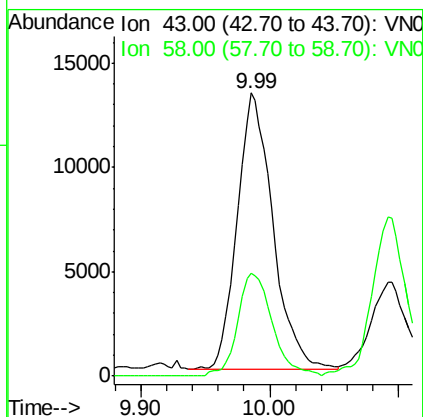
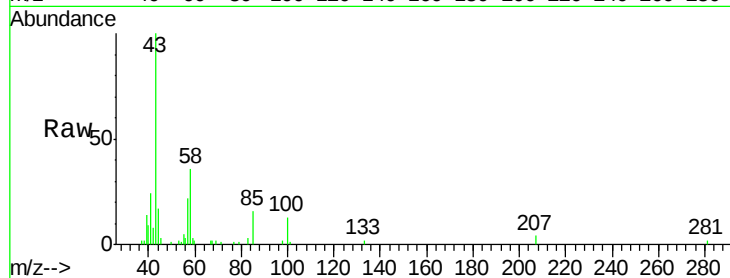




#51
 4-Methyl-2-Pentanone
 Concen: 2.342 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

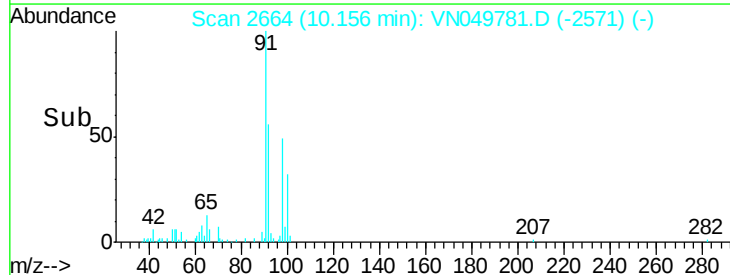
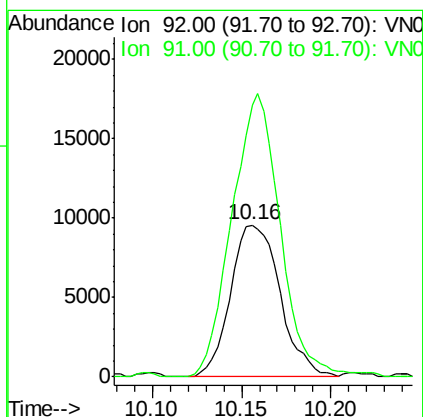
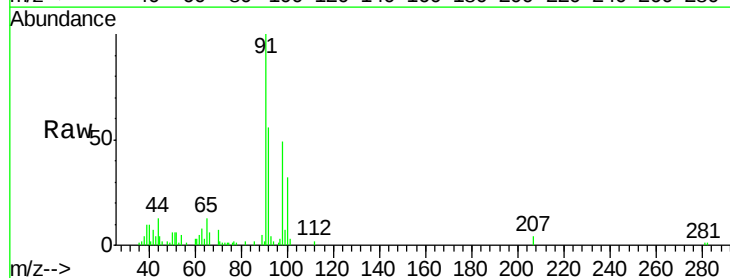
Instrument :
 MSVOA_N
 ClientSampled :

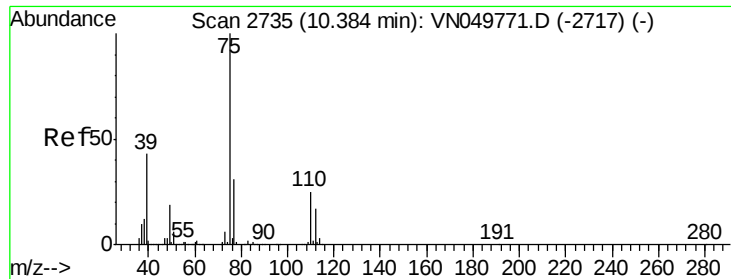
Tot Ion: 43 Resp: 25725
 Ion Ratio Lower Upper
 43 100
 58 35.8 31.8 47.8



#52
 Toluene
 Concen: 0.545 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

Tgt Ion: 92 Resp: 18557
 Ion Ratio Lower Upper
 92 100
 91 181.7 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 0.479 ug/l

RT: 10.39 min Scan# 2736

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

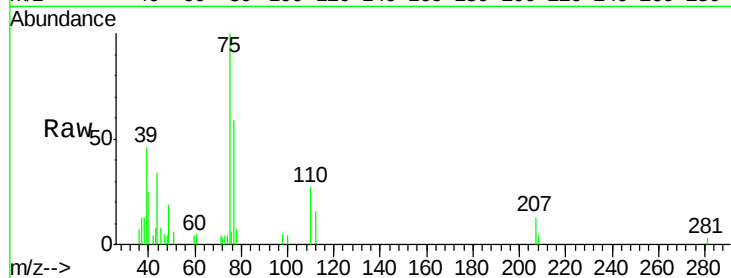
ClientSampled :

Tot Ion: 75 Resp: 9203

Ion Ratio Lower Upper

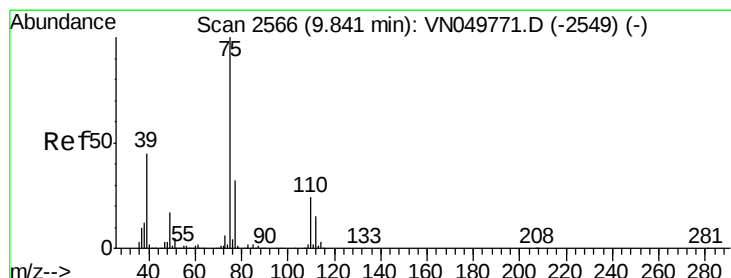
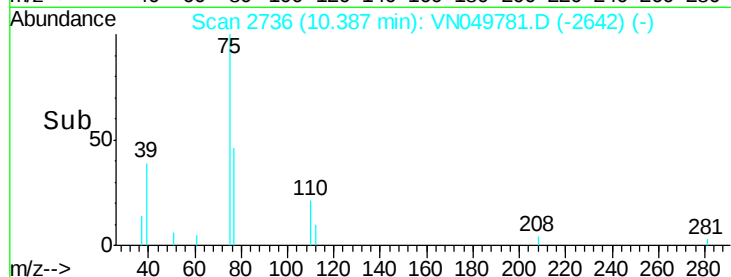
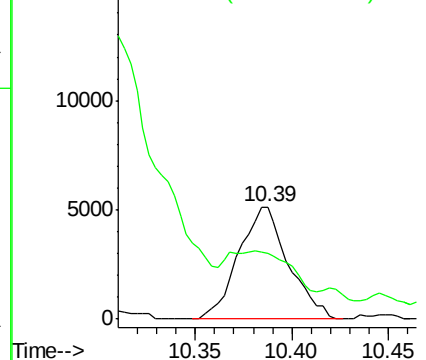
75 100

77 36.5 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: 0.482 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

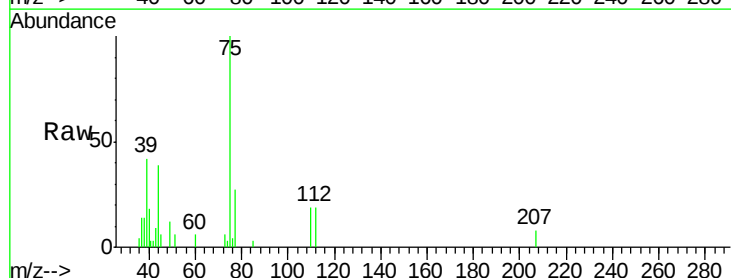
Tgt Ion: 75 Resp: 10557

Ion Ratio Lower Upper

75 100

77 26.9 25.3 37.9

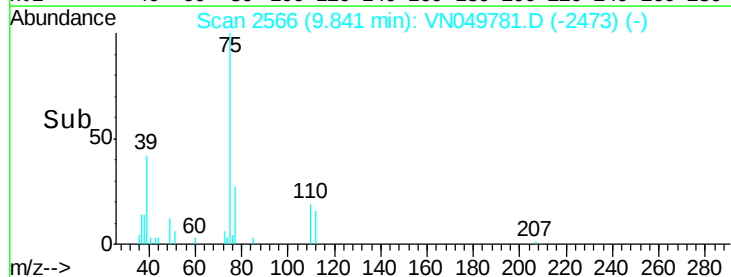
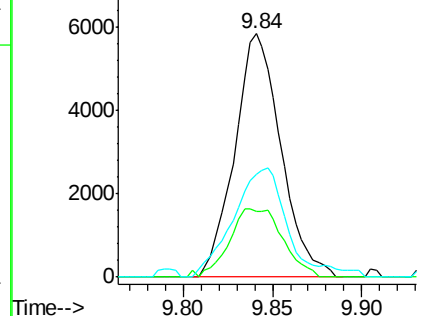
39 42.1 35.5 53.3

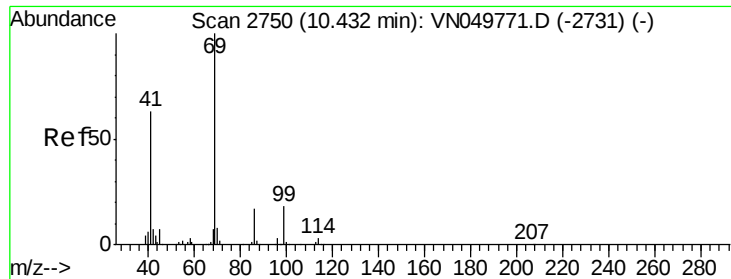


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.454 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

ClientSampled :

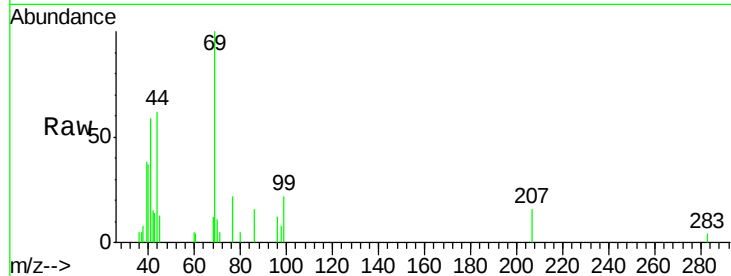
Tot Ion: 69 Resp: 6978

Ion Ratio Lower Upper

69 100

41 69.6 51.6 77.4

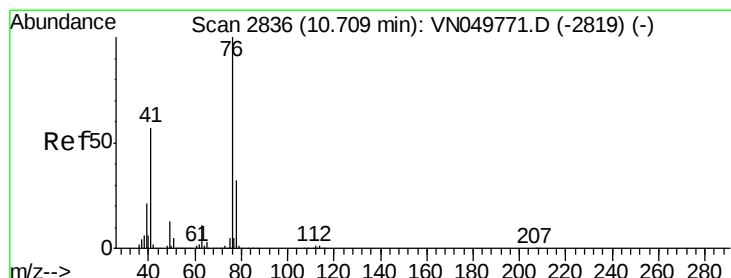
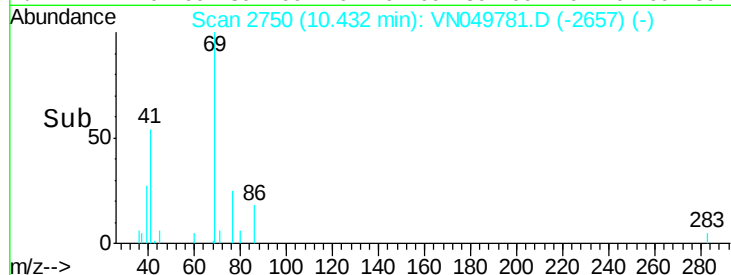
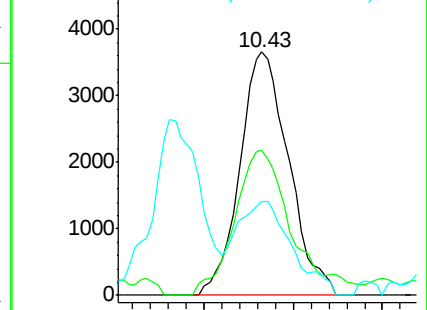
39 44.1 25.8 38.8#



Abundance Ion 69.00 (68.70 to 69.70): VN049771.D (-2731) (-)

Ion 41.00 (40.70 to 41.70): VN049771.D (-2731) (-)

Ion 39.00 (38.70 to 39.70): VN049771.D (-2731) (-)



#57

1,3-Dichloropropane

Concen: 0.527 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049781.D

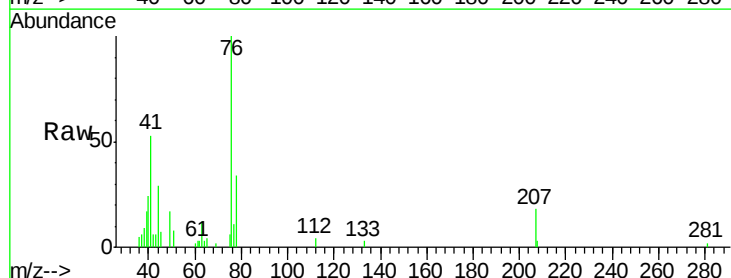
Acq: 12 Jul 2018 20:36

Tgt Ion: 76 Resp: 11421

Ion Ratio Lower Upper

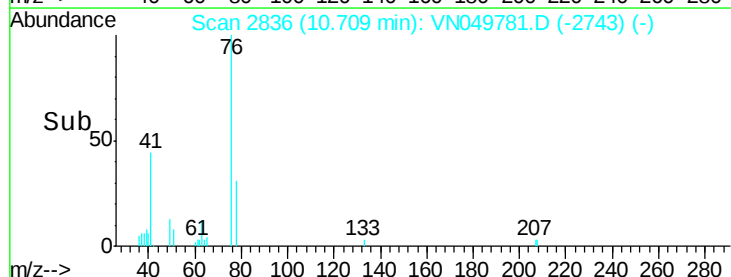
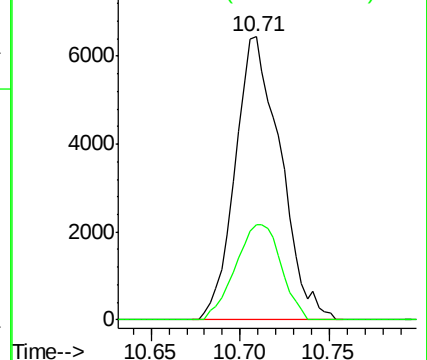
76 100

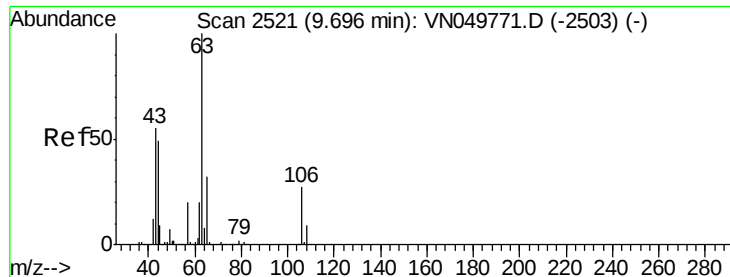
78 33.9 25.8 38.8



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: 1.924 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

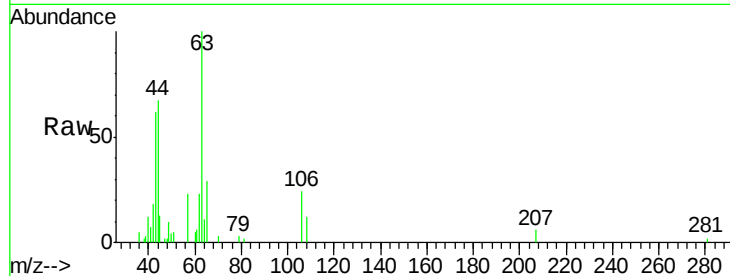
ClientSampleId :

Tot Ion: 63 Resp: 14178

Ion Ratio Lower Upper

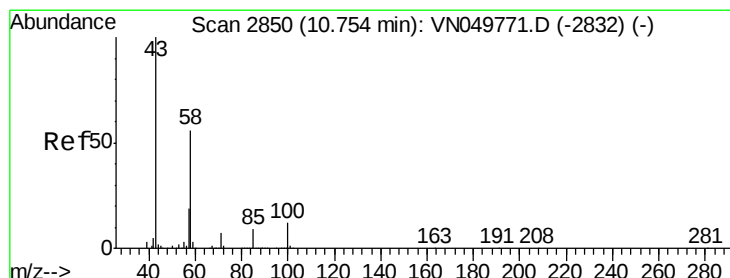
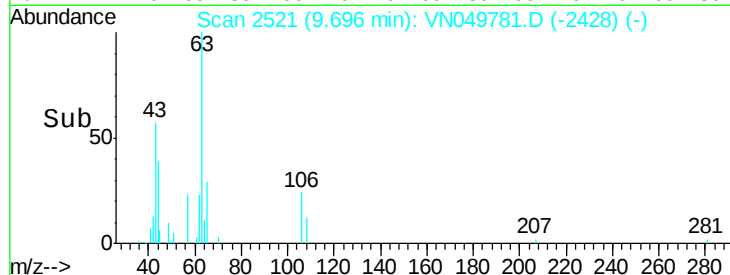
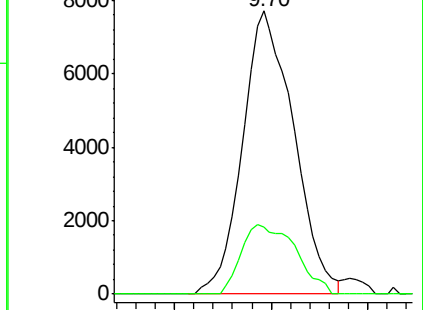
63 100

106 25.9 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: 2.326 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.01 min

Lab File: VN049781.D

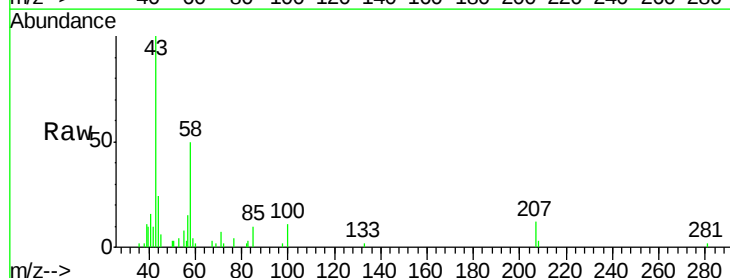
Acq: 12 Jul 2018 20:36

Tgt Ion: 43 Resp: 16981

Ion Ratio Lower Upper

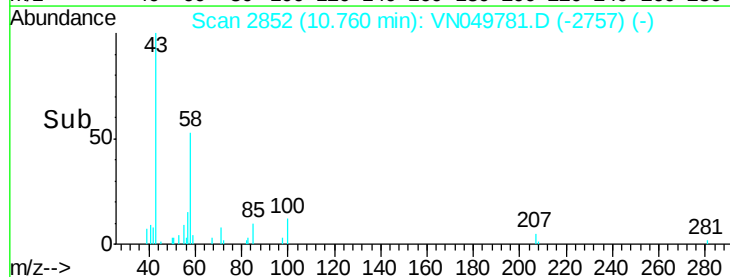
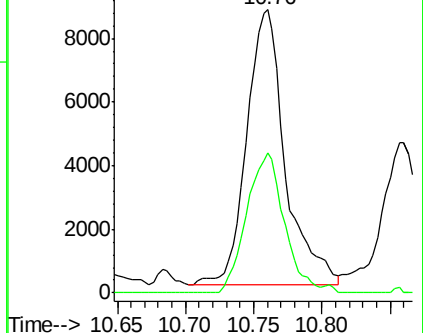
43 100

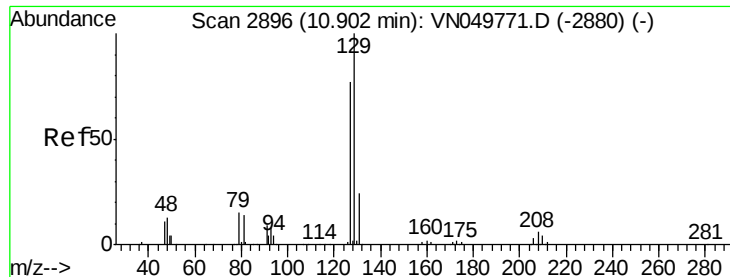
58 49.2 27.8 83.4



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

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





#60

Dibromochloromethane

Concen: 0.548 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

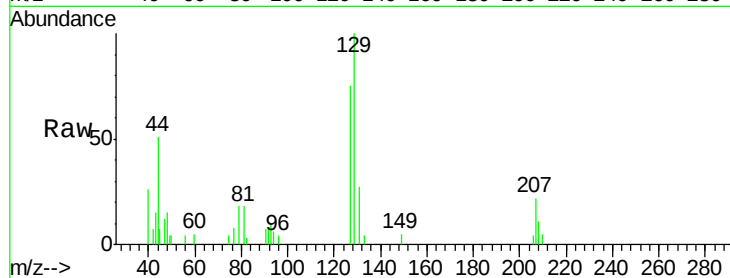
ClientSampleId :

Tot Ion:129 Resp: 8173

Ion Ratio Lower Upper

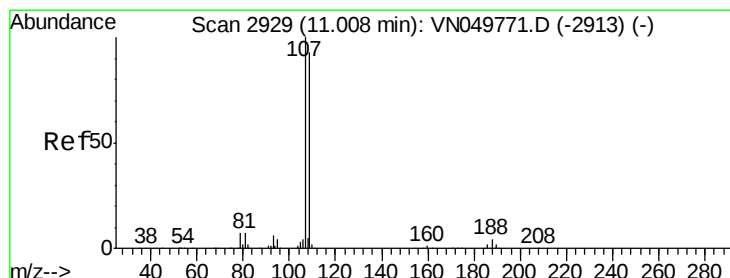
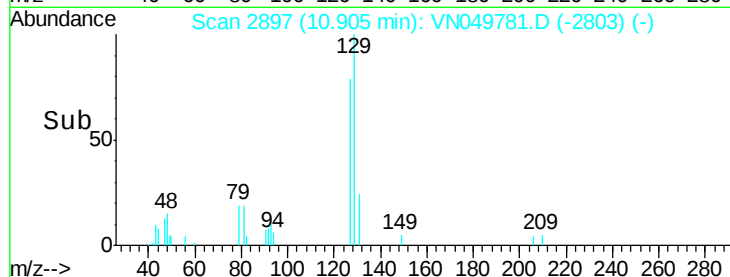
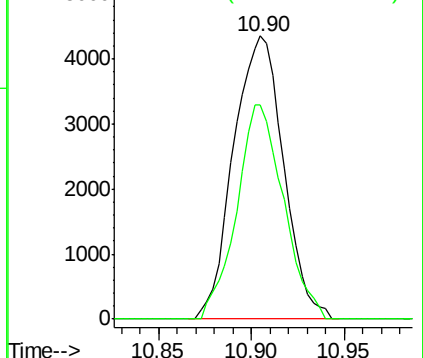
129 100

127 70.8 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.538 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN049781.D

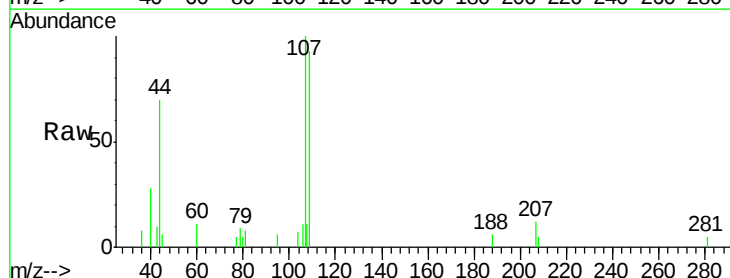
Acq: 12 Jul 2018 20:36

Tgt Ion:107 Resp: 6660

Ion Ratio Lower Upper

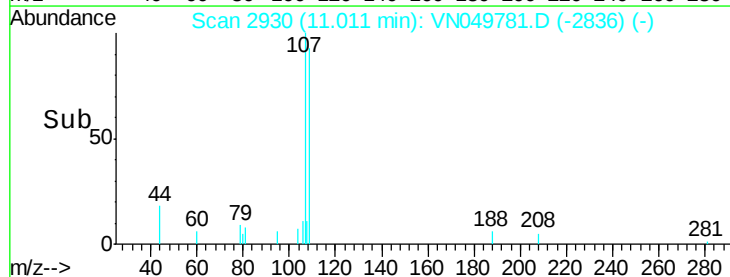
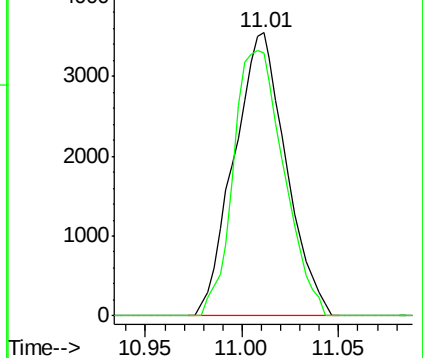
107 100

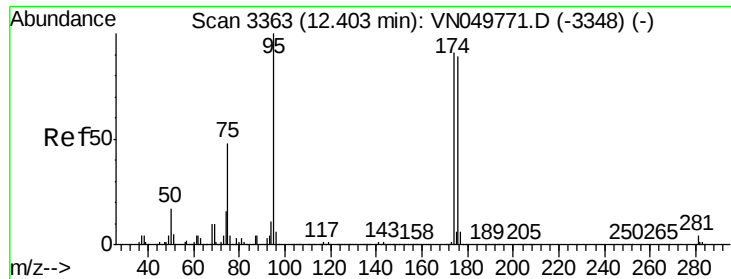
109 90.4 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 38.122 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

ClientSampleId :

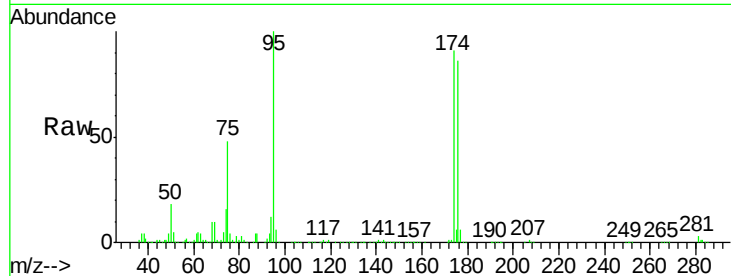
Tot Ion: 95 Resp: 579639

Ion Ratio Lower Upper

95 100

174 91.9 0.0 179.6

176 87.5 0.0 174.0

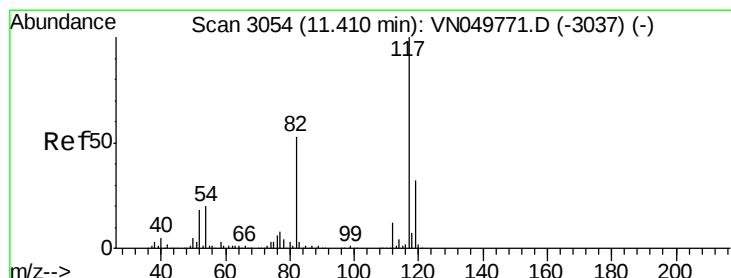
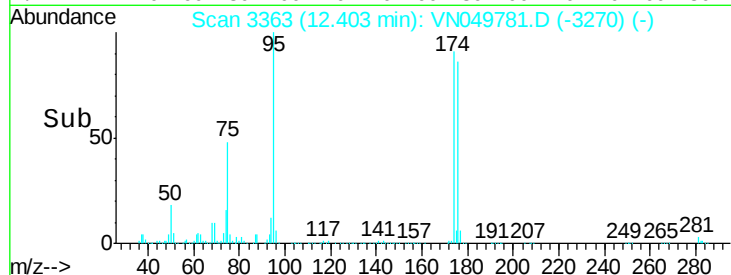


Abundance Ion 94.90 (94.60 to 95.60): VN049771.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN049771.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN049771.D (-3348) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

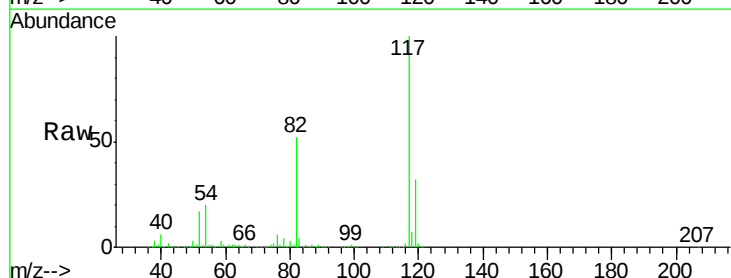
Tgt Ion: 117 Resp: 1441197

Ion Ratio Lower Upper

117 100

82 52.4 41.9 62.9

119 32.4 25.4 38.2

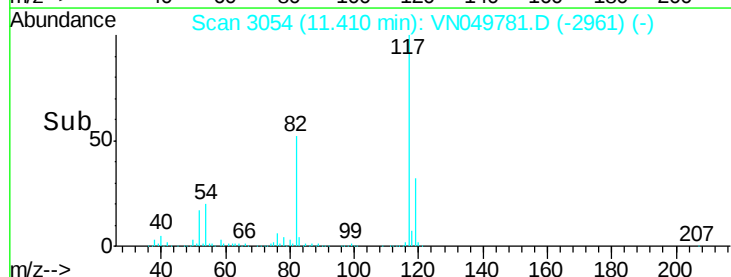


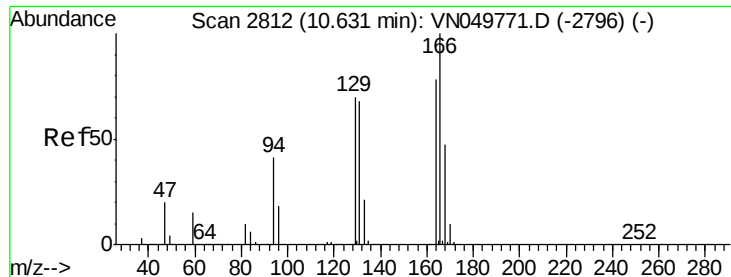
Abundance Ion 116.90 (116.60 to 117.60): VN049771.D (-3037) (-)

Ion 82.00 (81.70 to 82.70): VN049771.D (-3037) (-)

Ion 118.90 (118.60 to 119.60): VN049771.D (-3037) (-)

Time--> 11.30 11.40 11.50

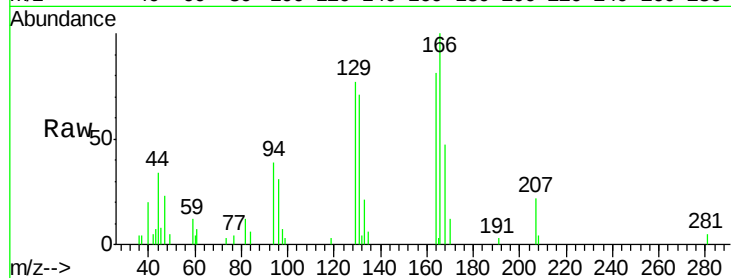




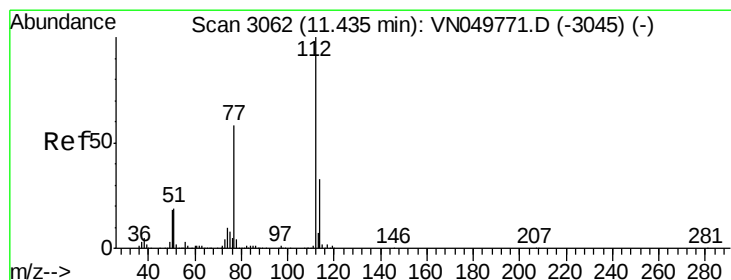
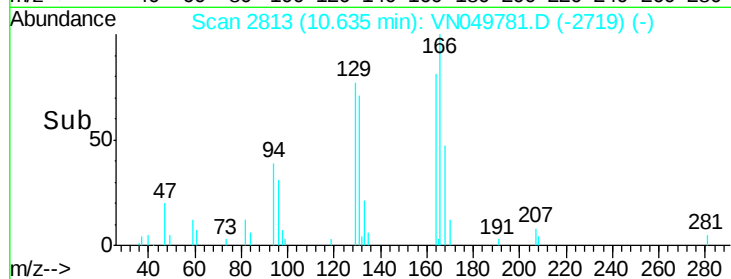
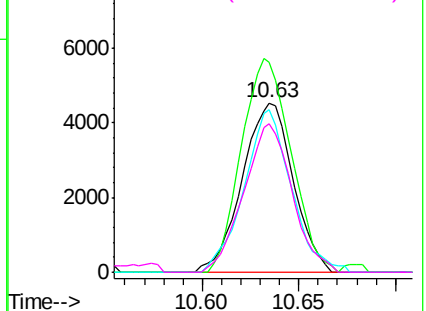
#64
Tetrachloroethene
Concen: 0.632 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:164 Resp: 8269
Ion Ratio Lower Upper
164 100
166 124.0 101.8 152.6
129 95.5 72.8 109.2
131 87.8 70.0 105.0

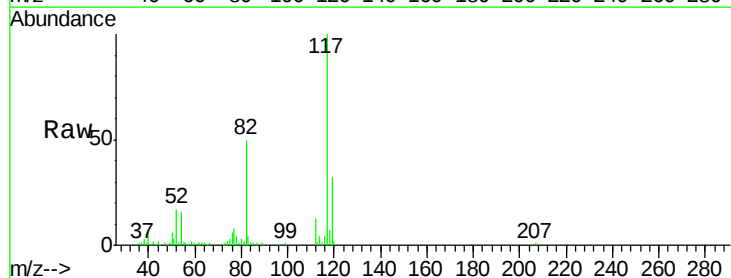


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

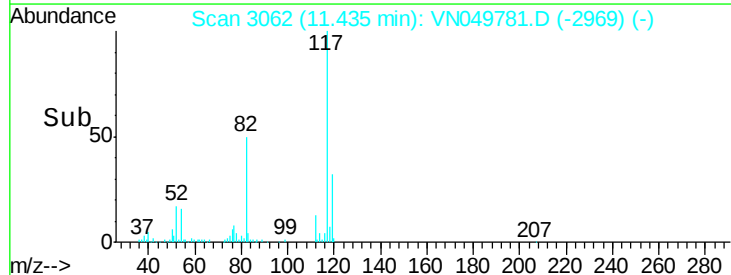
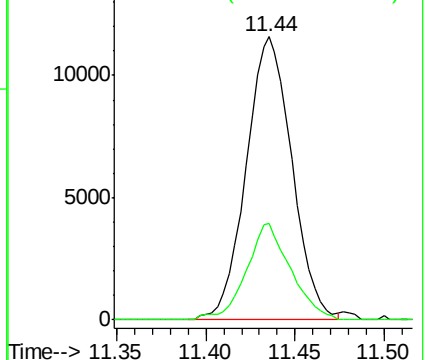


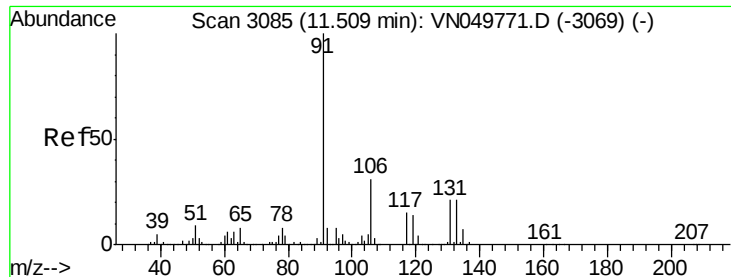
#65
Chlorobenzene
Concen: 0.553 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

Tgt Ion:112 Resp: 20770
Ion Ratio Lower Upper
112 100
114 34.3 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.540 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

ClientSampleId :

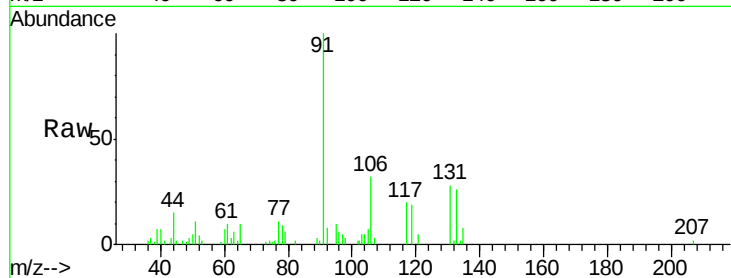
Tot Ion:131 Resp: 7633

Ion Ratio Lower Upper

131 100

133 99.2 47.5 142.6

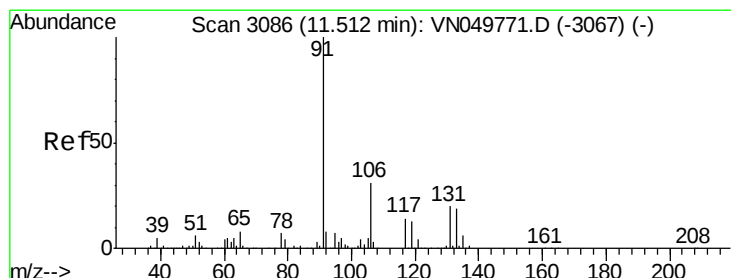
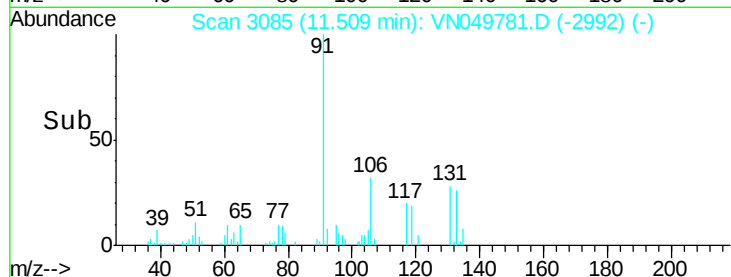
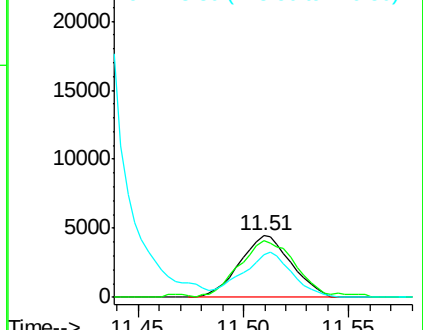
119 0.0 33.1 99.3#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.492 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049781.D

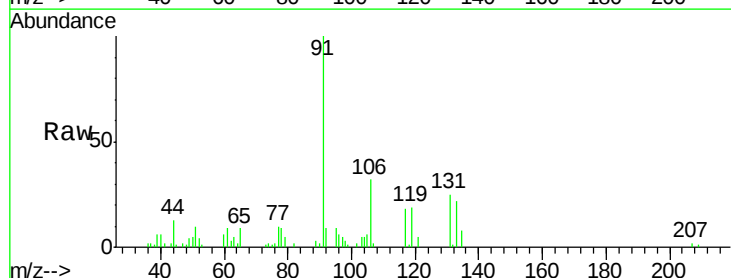
Acq: 12 Jul 2018 20:36

Tgt Ion: 91 Resp: 30251

Ion Ratio Lower Upper

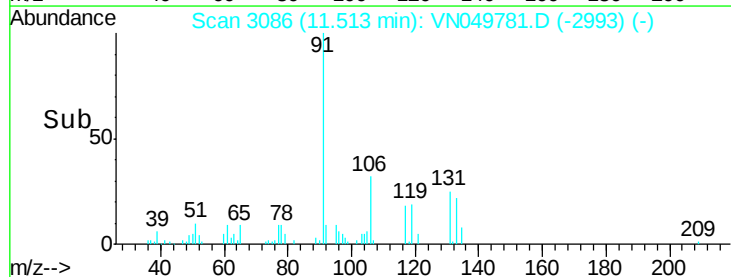
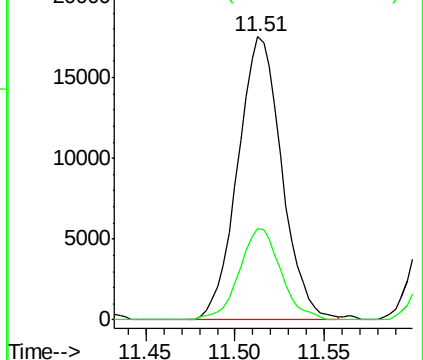
91 100

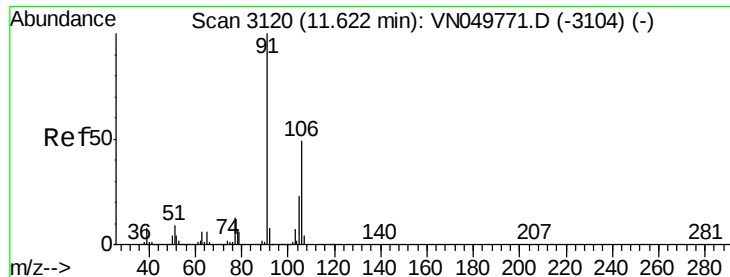
106 32.6 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 0.882 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

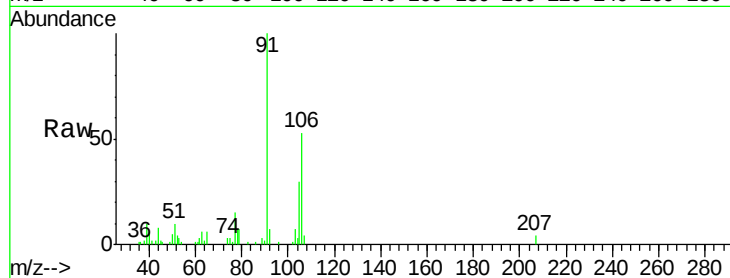
ClientSampled :

Tot Ion:106 Resp: 20361

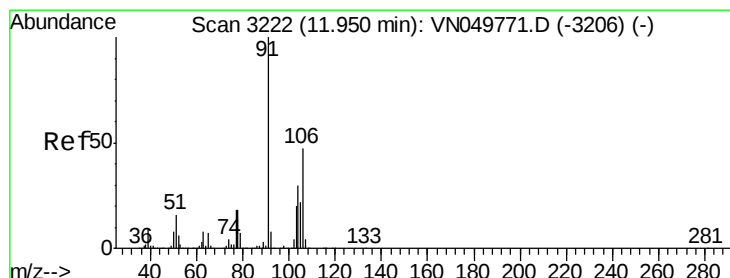
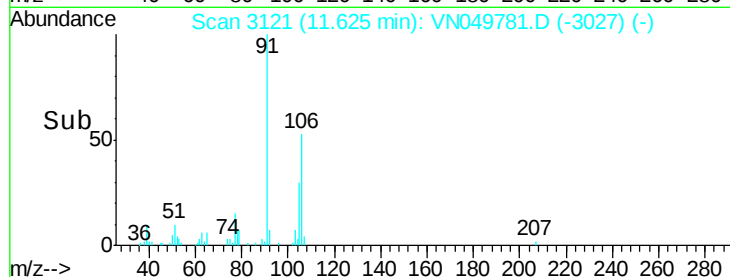
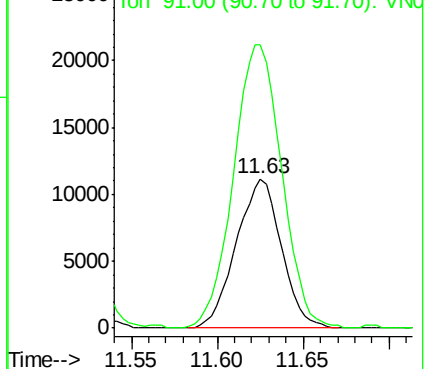
Ion Ratio Lower Upper

106 100

91 203.0 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V



#69

o-Xylene

Concen: 0.443 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049781.D

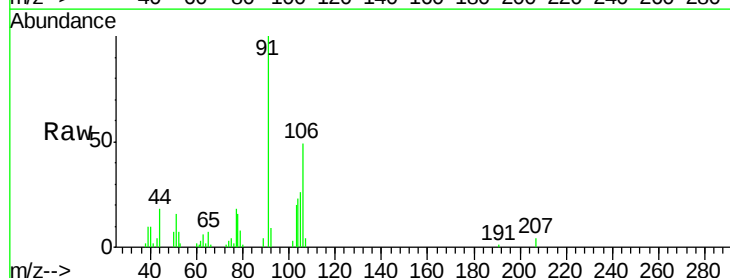
Acq: 12 Jul 2018 20:36

Tgt Ion:106 Resp: 9879

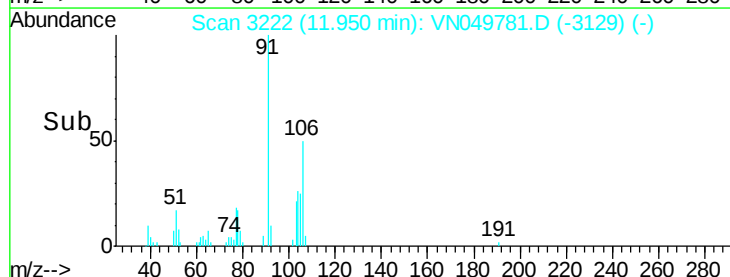
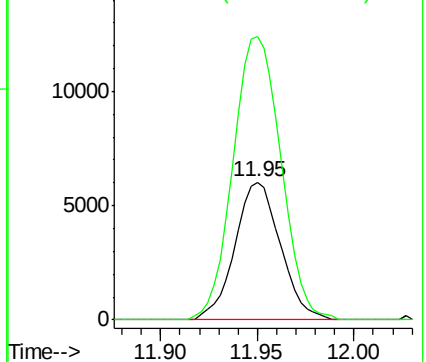
Ion Ratio Lower Upper

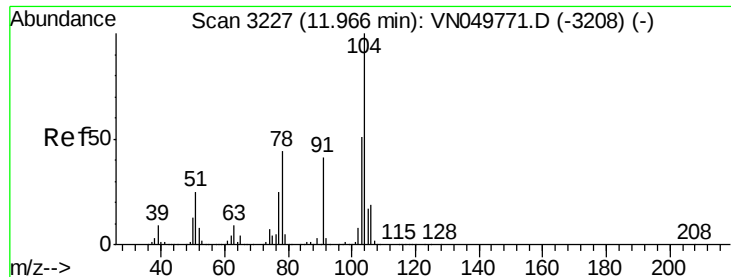
106 100

91 216.0 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V





#70

Stvrene

Concen: 0.425 ug/l

RT: 11.97 min Scan# 3228

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

ClientSampled :

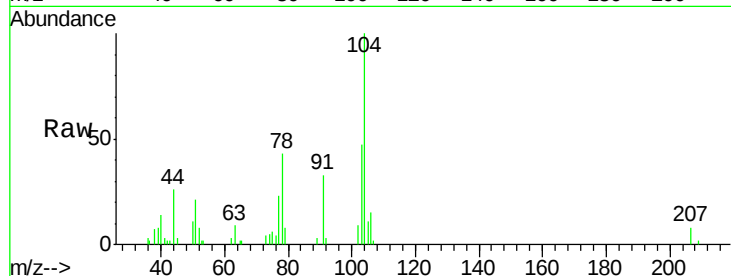
Tot Ion:104 Resp: 15035

Ion Ratio Lower Upper

104 100

78 49.2 39.2 58.8

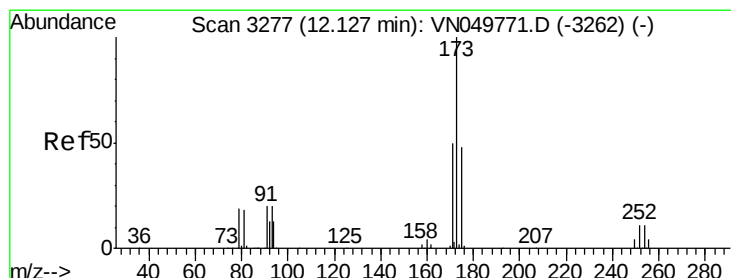
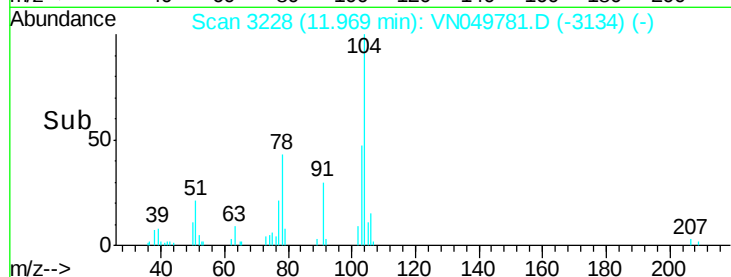
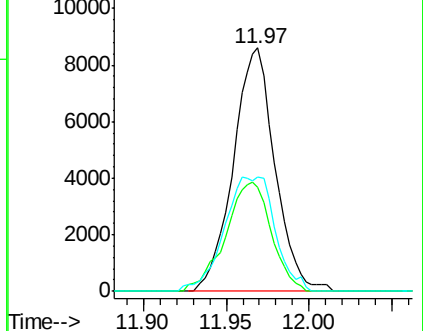
103 57.1 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.537 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

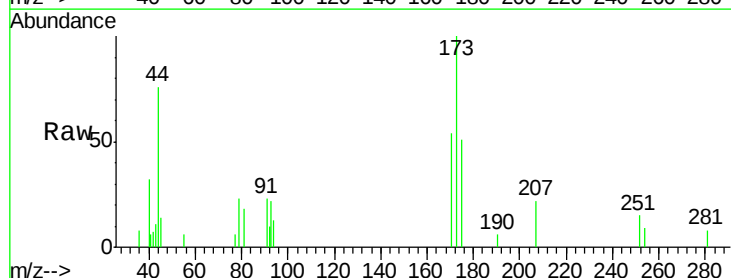
Tgt Ion:173 Resp: 5127

Ion Ratio Lower Upper

173 100

175 50.7 24.6 73.8

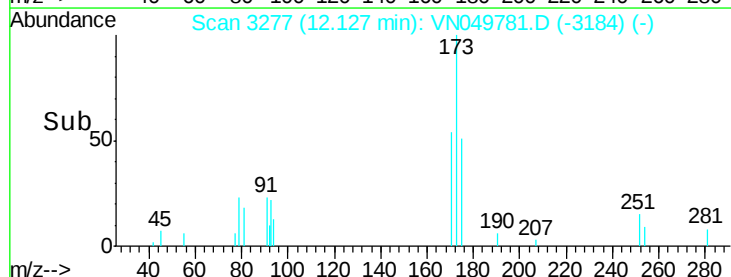
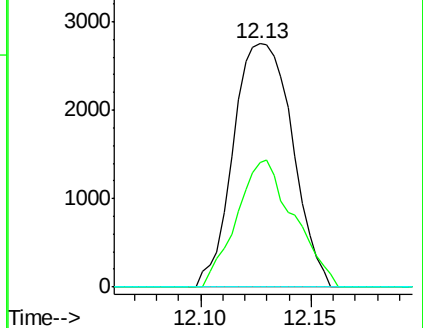
254 0.0 0.2 0.2#

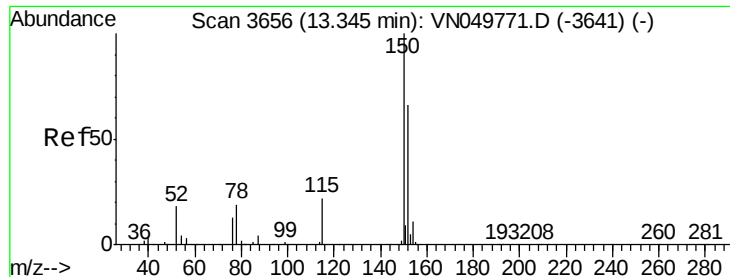


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

ClientSampleId :

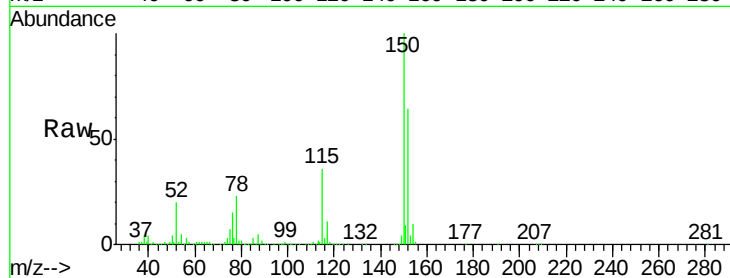
Tot Ion:152 Resp: 566623

Ion Ratio Lower Upper

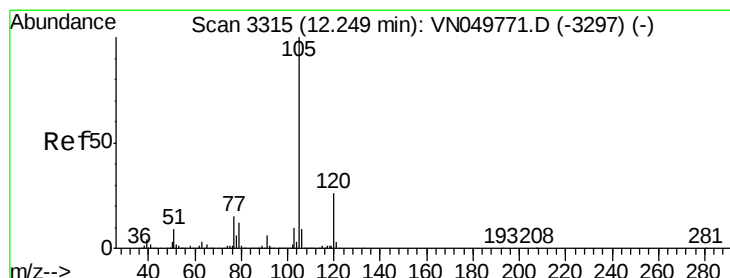
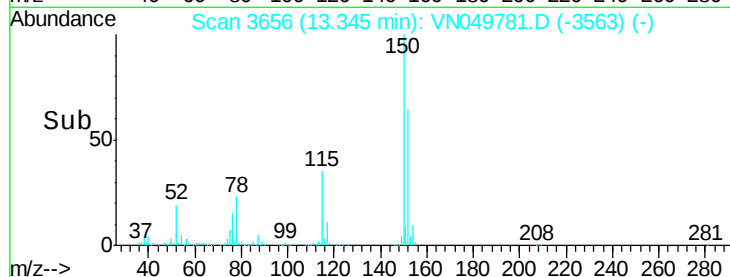
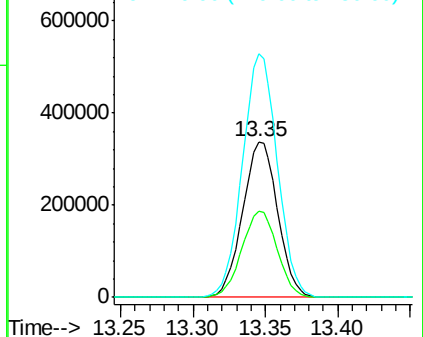
152 100

115 55.9 28.1 84.2

150 155.3 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: 0.523 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049781.D

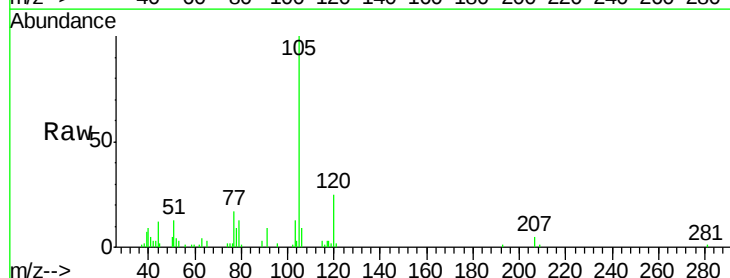
Acq: 12 Jul 2018 20:36

Tgt Ion:105 Resp: 24630

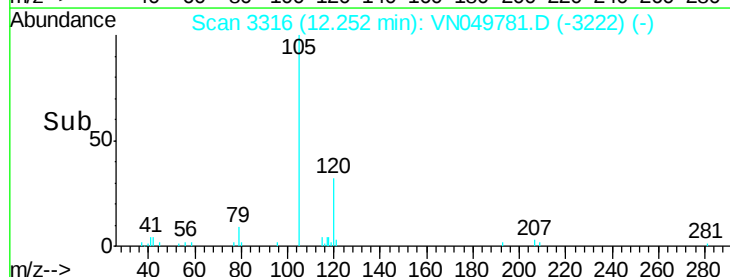
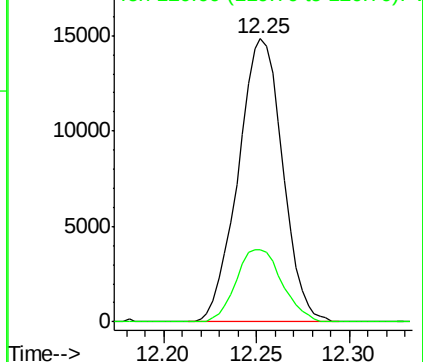
Ion Ratio Lower Upper

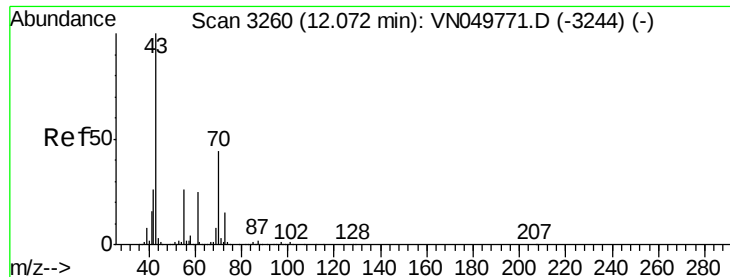
105 100

120 26.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.470 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 5756

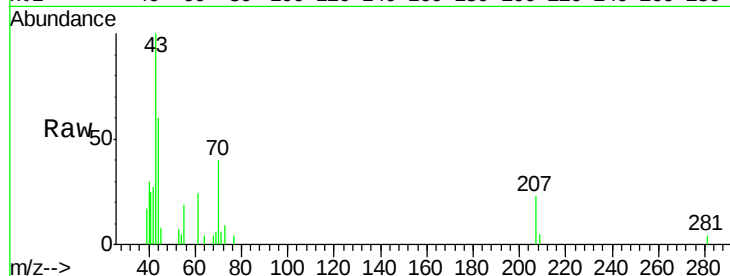
Ion Ratio Lower Upper

43 100

70 41.4 34.8 52.2

55 23.6 20.9 31.3

61 24.7 19.9 29.9

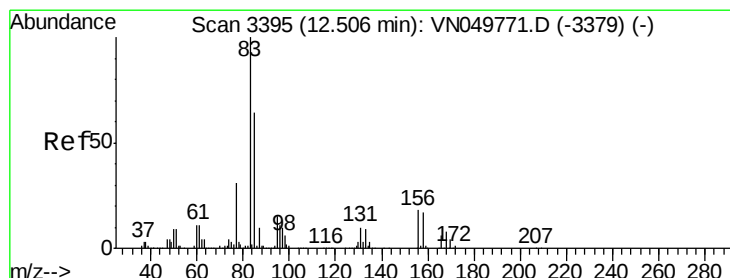
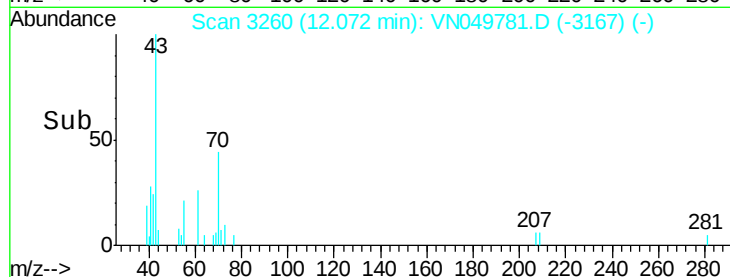
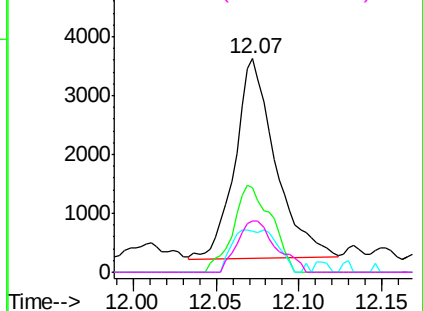


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

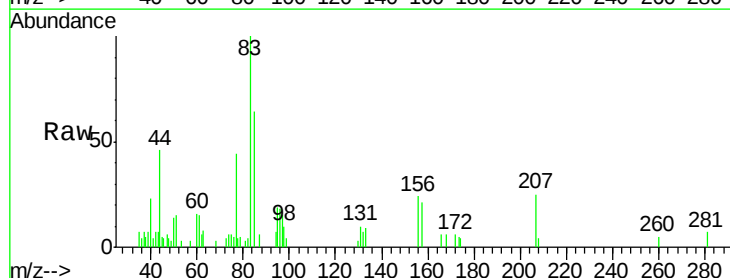
Tgt Ion: 83 Resp: 8921

Ion Ratio Lower Upper

83 100

131 10.0 5.2 15.6

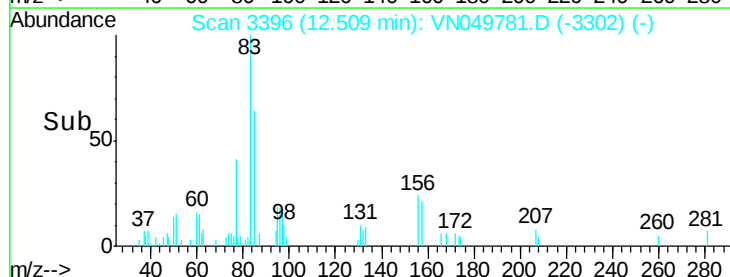
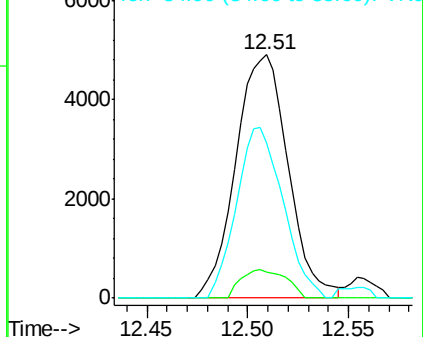
85 62.2 32.5 97.4

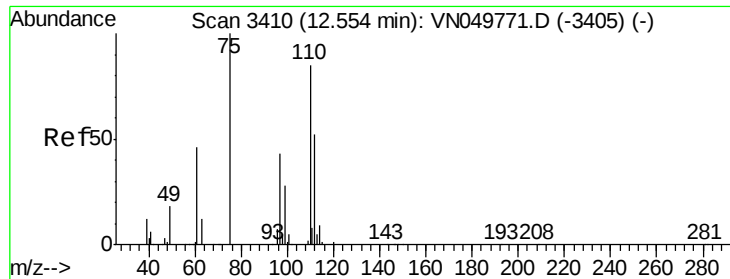


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

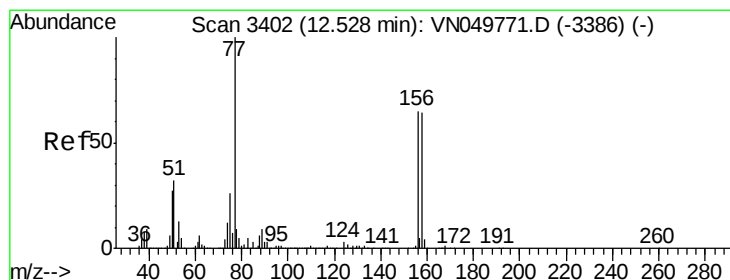
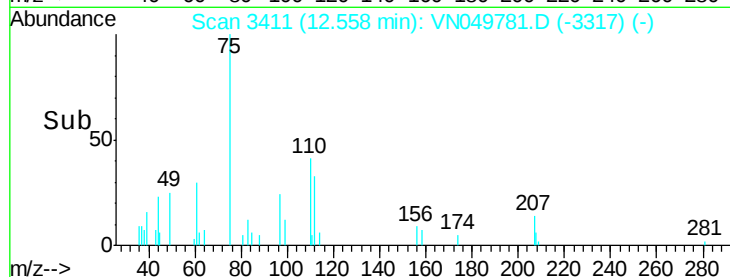
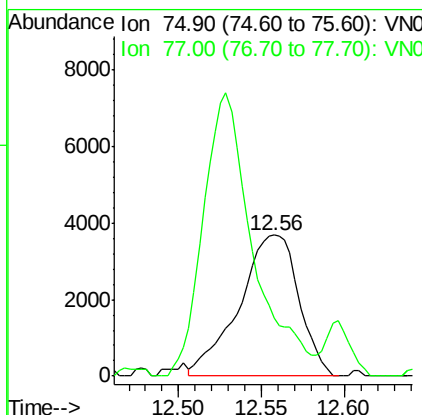
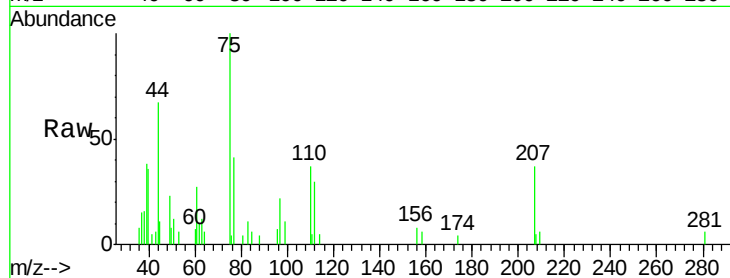




#76
 1,2,3-Trichloropropane
 Concen: 0.921 ug/l
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

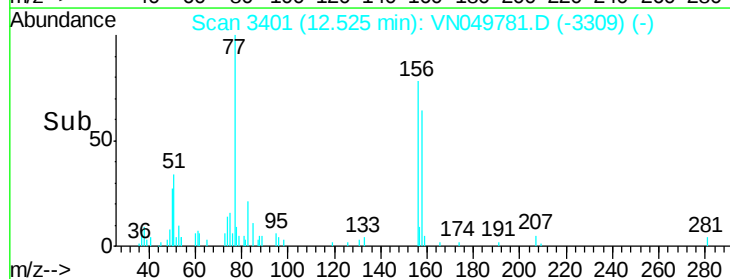
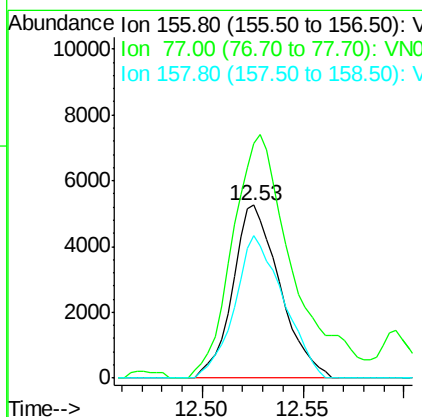
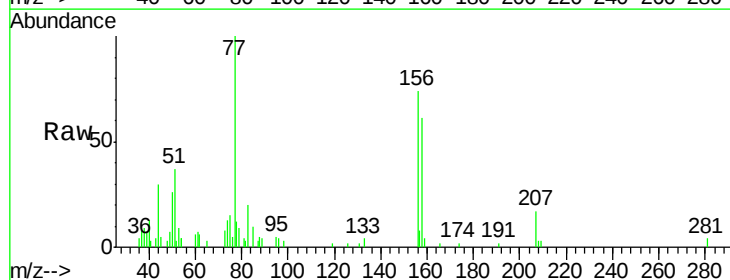
Instrument :
 MSVOA_N
 ClientSampleId :

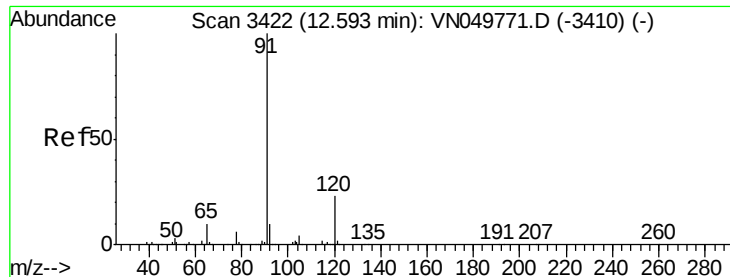
Tot Ion: 75 Resp: 9273
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 0.688 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

Tgt Ion: 156 Resp: 8597
 Ion Ratio Lower Upper
 156 100
 77 179.2 90.2 270.6
 158 84.9 49.1 147.3





#78

n-propylbenzene

Concen: 0.562 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

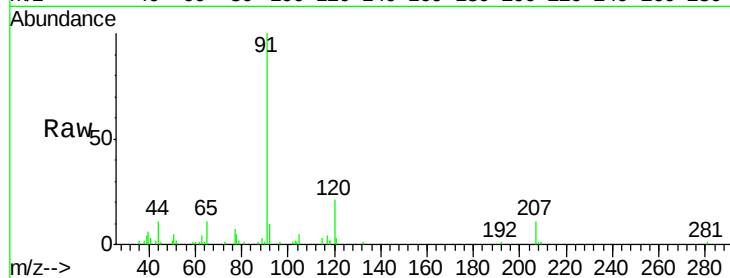
ClientSampled :

Tot Ion: 91 Resp: 29859

Ion Ratio Lower Upper

91 100

120 21.4 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN049771.D (-3410) (-)

12.59

20000

15000

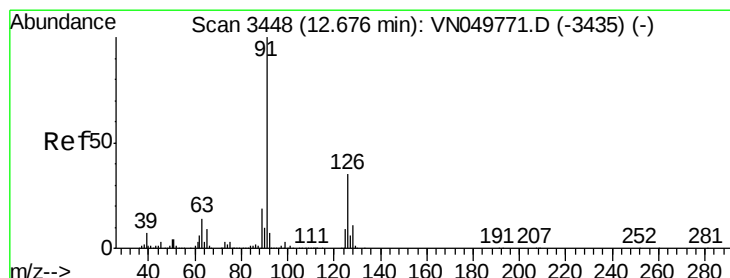
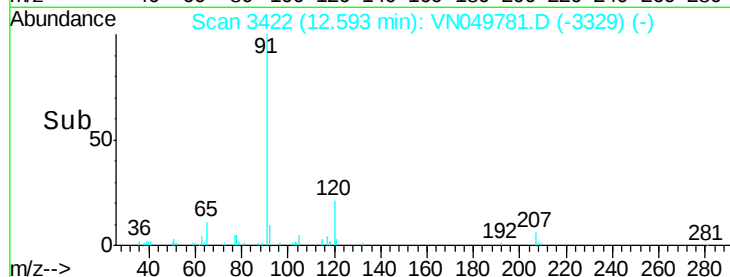
10000

5000

0

Time-->

12.55 12.60 12.65



#79

2-Chlorotoluene

Concen: 0.617 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. 0.00 min

Lab File: VN049781.D

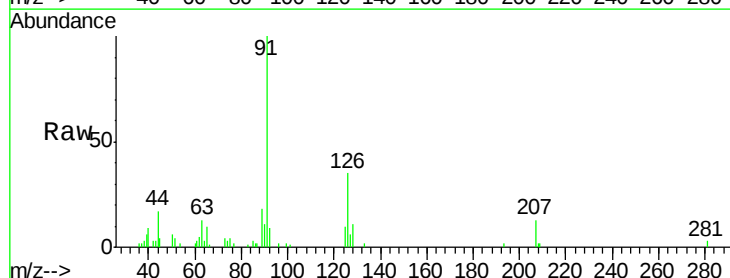
Acq: 12 Jul 2018 20:36

Tgt Ion: 91 Resp: 20037

Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049771.D (-3435) (-)

12.68

20000

15000

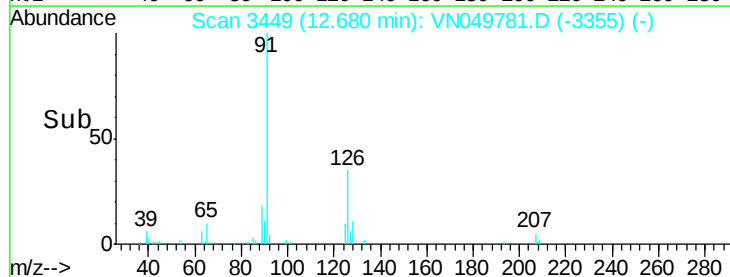
10000

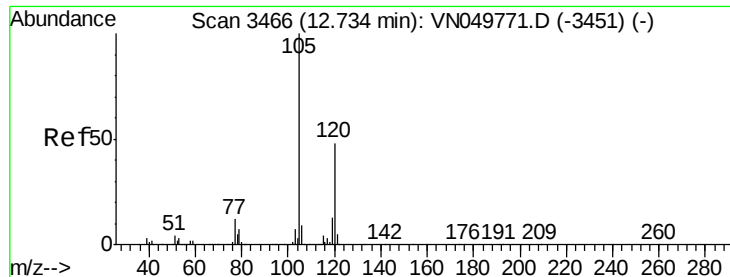
5000

0

Time-->

12.60 12.65 12.70





#80

1,3,5-Trimethylbenzene

Concen: 0.522 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

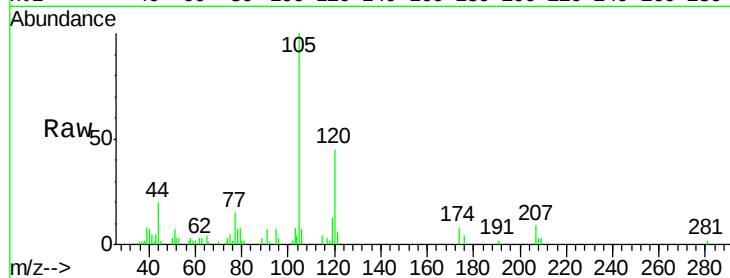
ClientSampled :

Tot Ion:105 Resp: 19542

Ion Ratio Lower Upper

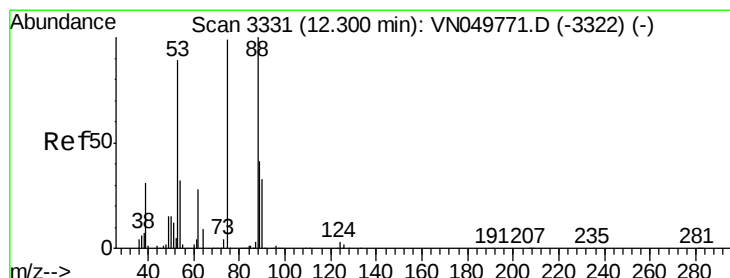
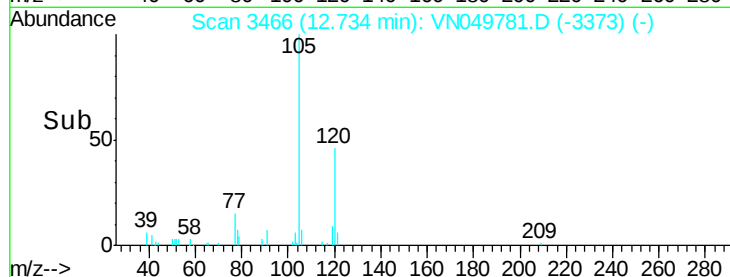
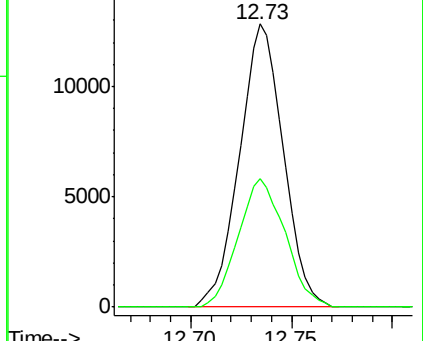
105 100

120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 89.618 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

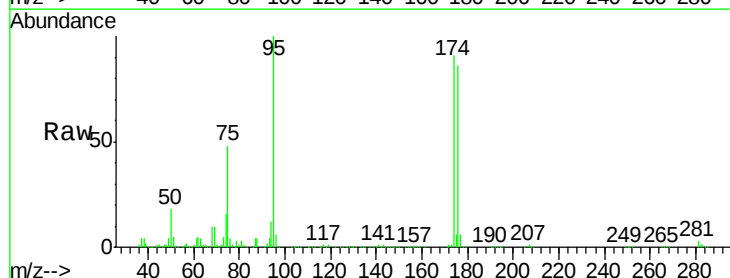
Tgt Ion: 75 Resp: 279342

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

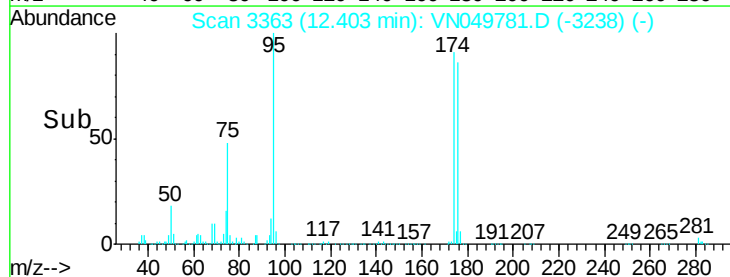
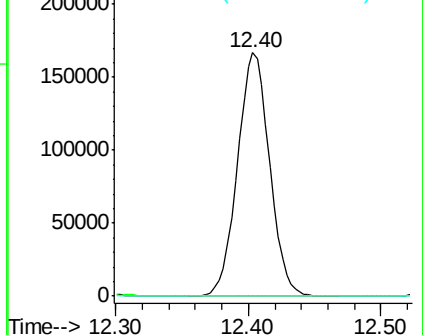
89 0.1 35.9 53.9#

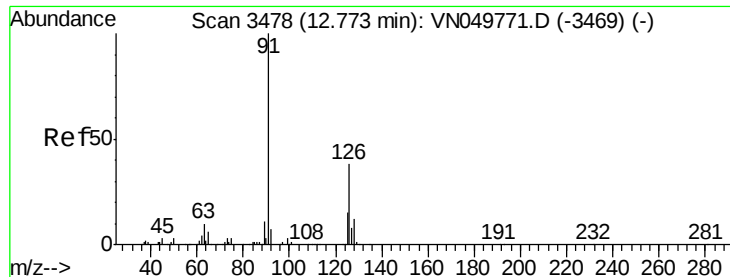


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.548 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

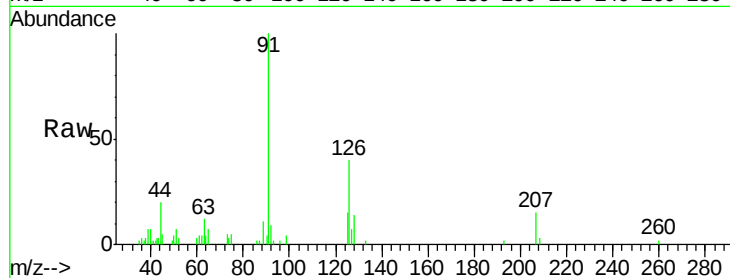
ClientSampleId :

Tot Ion: 91 Resp: 17672

Ion Ratio Lower Upper

91 100

126 38.1 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3469) (-)

Ion 125.90 (125.60 to 126.60): VN049771.D (-3469) (-)

12000

10000

8000

6000

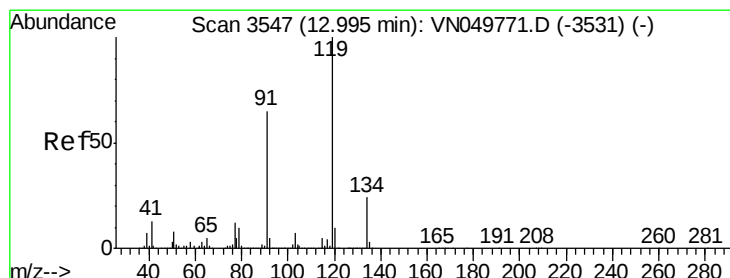
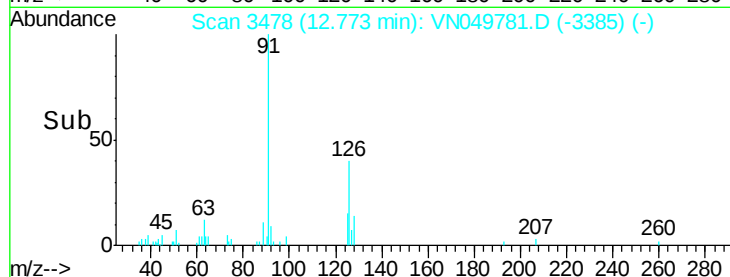
4000

2000

0

12.75 12.80

Time-->



#83

tert-Butylbenzene

Concen: 0.531 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

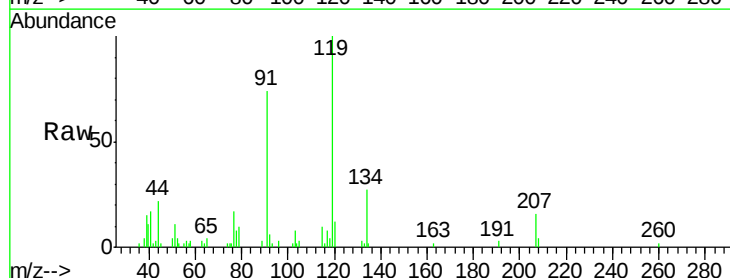
Tgt Ion: 119 Resp: 17770

Ion Ratio Lower Upper

119 100

91 67.3 32.0 96.2

134 26.4 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): VN049771.D (-3531) (-)

Ion 91.00 (90.70 to 91.70): VN049771.D (-3531) (-)

Ion 134.00 (133.70 to 134.70): VN049771.D (-3531) (-)

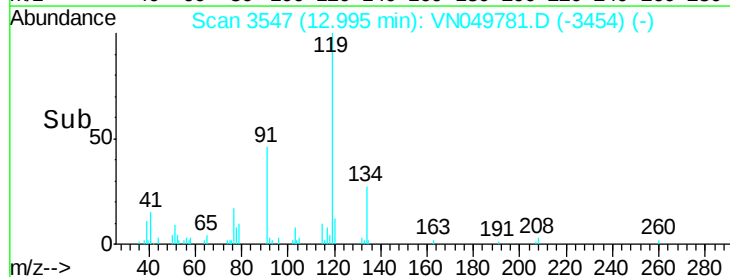
10000

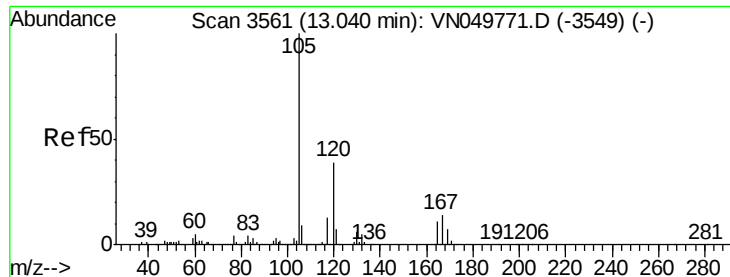
5000

0

12.95 13.00

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 0.478 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

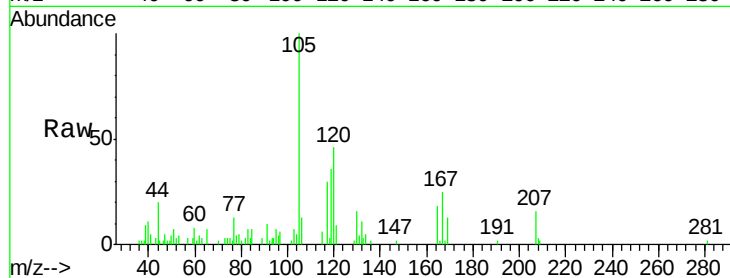
ClientSampled :

Tot Ion:105 Resp: 17926

Ion Ratio Lower Upper

105 100

120 46.8 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

12000

10000

8000

6000

4000

2000

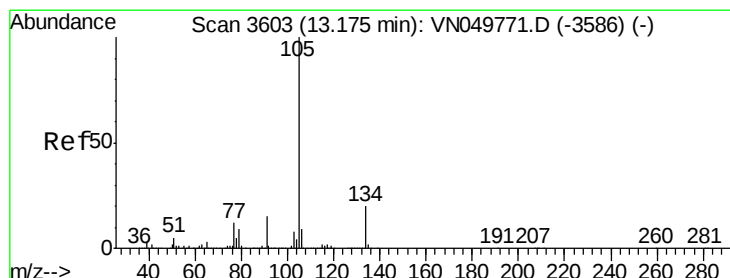
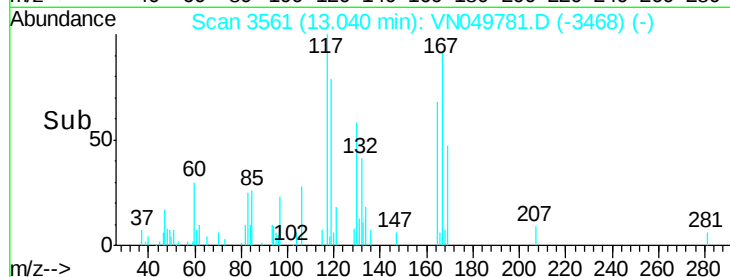
0

Time-->

13.00

13.05

13.10



#85

sec-Butylbenzene

Concen: 0.489 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049781.D

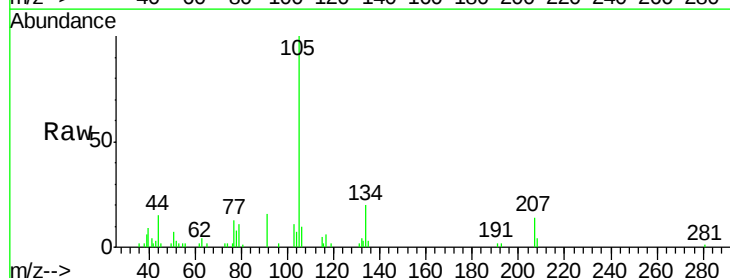
Acq: 12 Jul 2018 20:36

Tgt Ion:105 Resp: 21442

Ion Ratio Lower Upper

105 100

134 20.6 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

15000

10000

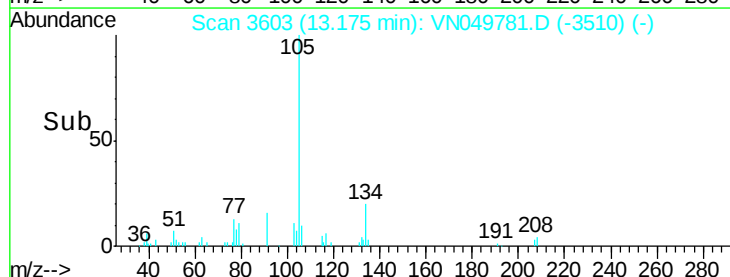
5000

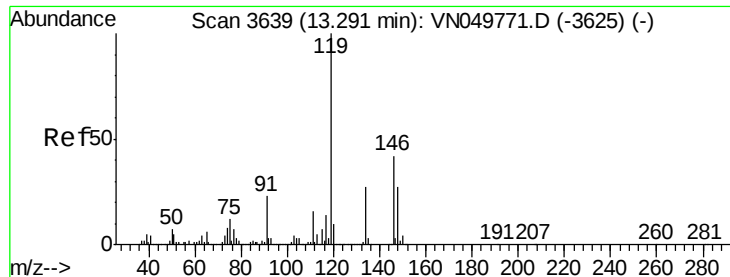
0

Time-->

13.15

13.20

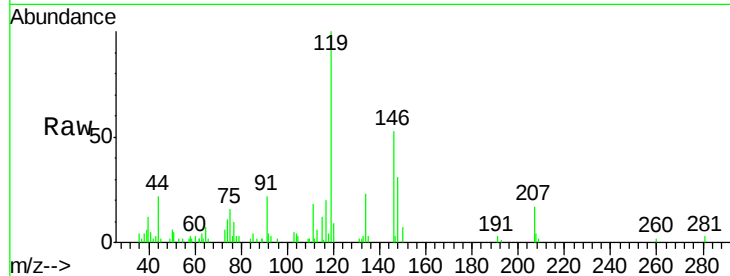




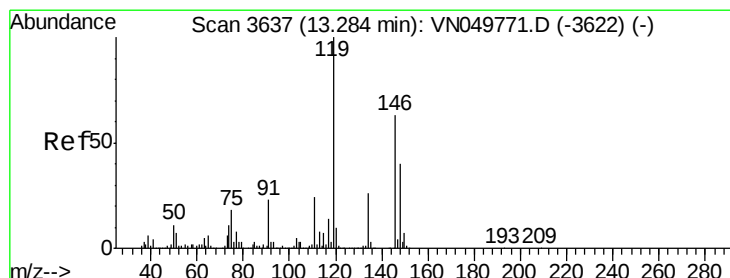
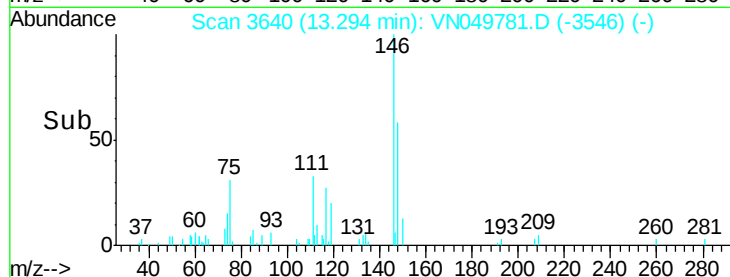
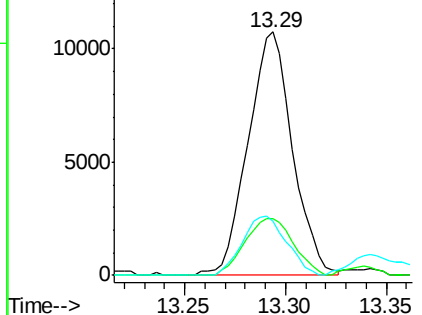
#86
 p-Isopropyltoluene
 Concen: 0.446 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.3	39.9
91	24.2	11.4	34.1

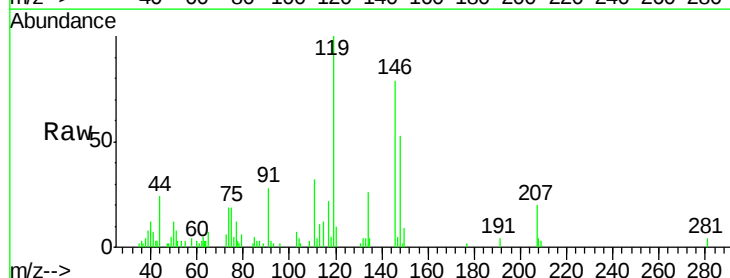


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

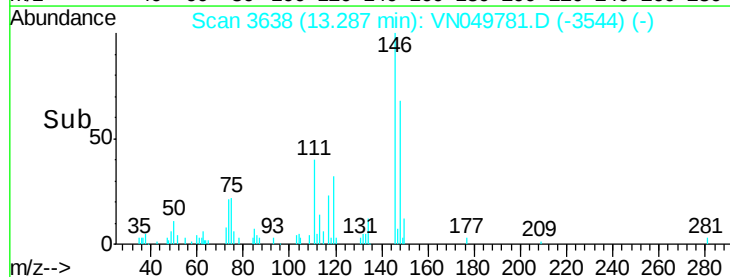
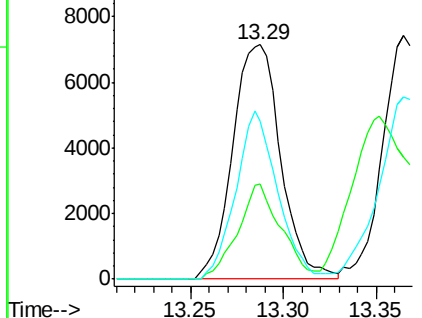


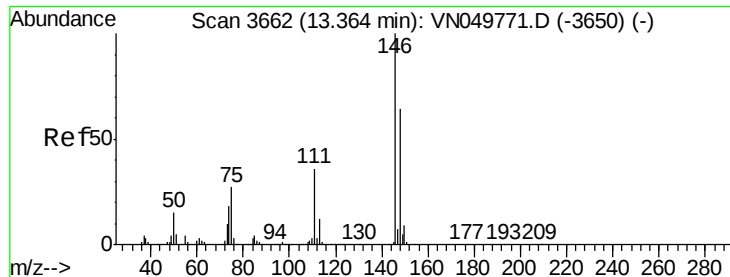
#87
 1,3-Dichlorobenzene
 Concen: 0.595 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	19.0	57.0
148	62.0	32.5	97.5



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





#88

1,4-Dichlorobenzene

Concen: 0.612 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.08 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

Instrument :

MSVOA_N

ClientSampleId :

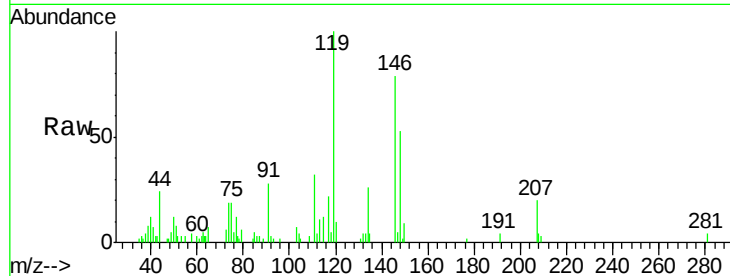
Tot Ion:146 Resp: 12880

Ion Ratio Lower Upper

146 100

111 36.2 18.9 56.5

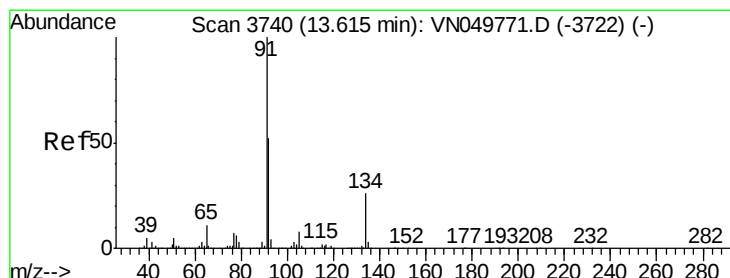
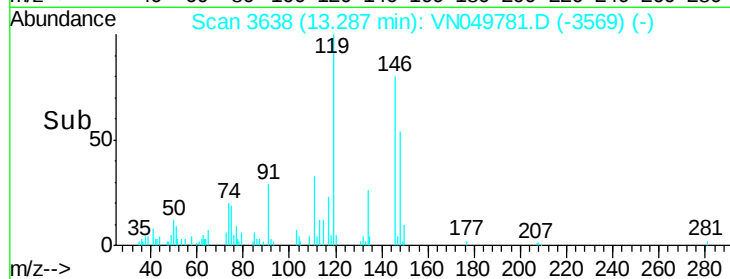
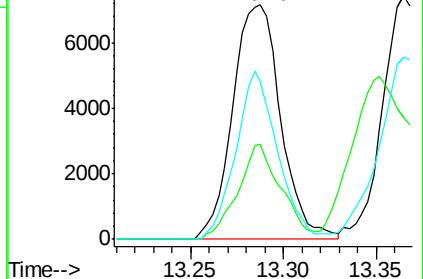
148 62.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.417 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN049781.D

Acq: 12 Jul 2018 20:36

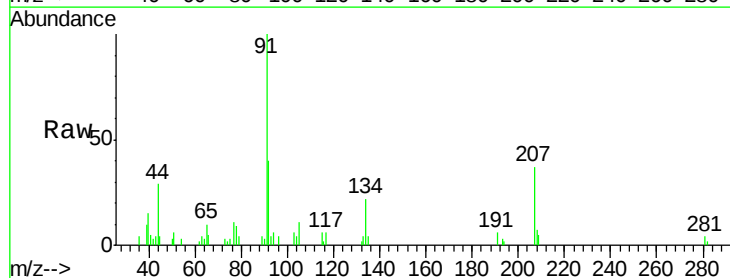
Tgt Ion: 91 Resp: 12790

Ion Ratio Lower Upper

91 100

92 43.2 25.8 77.3

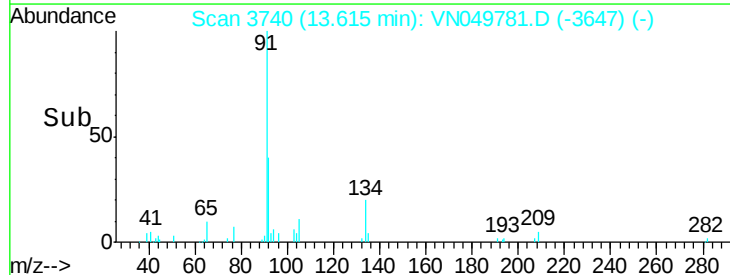
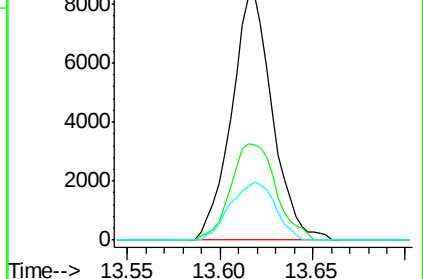
134 25.7 13.0 38.9

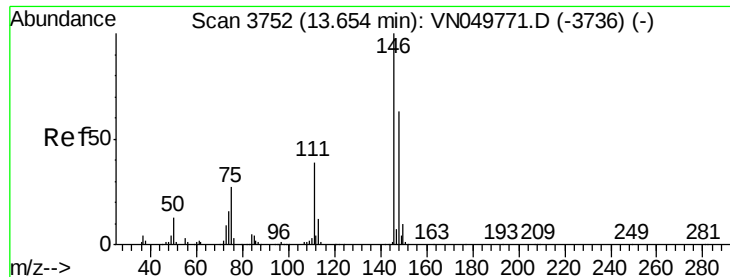


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

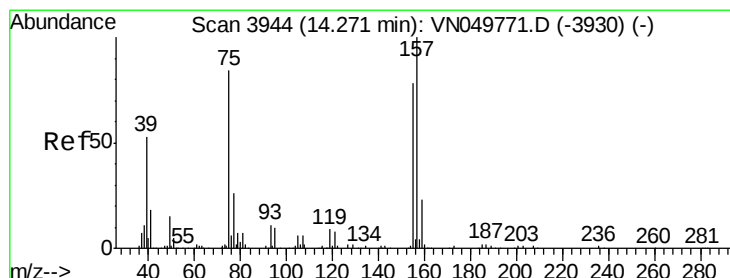
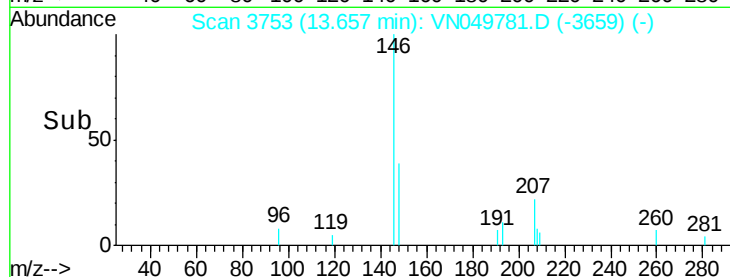
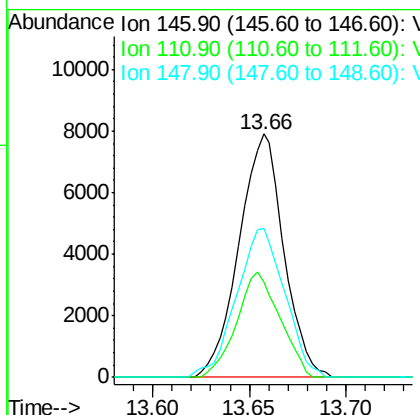
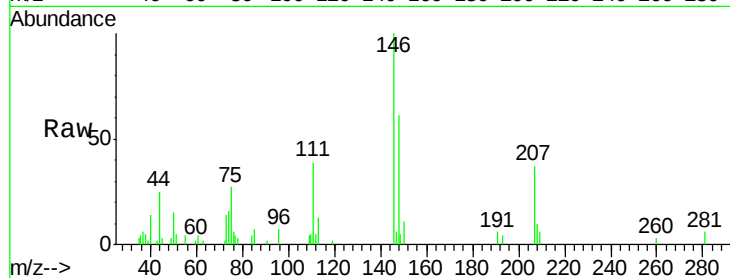




#91
 1,2-Dichlorobenzene
 Concen: 0.602 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

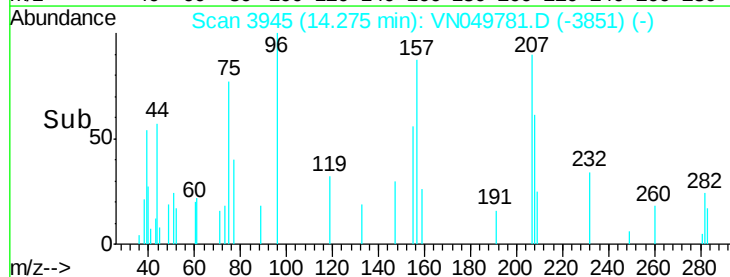
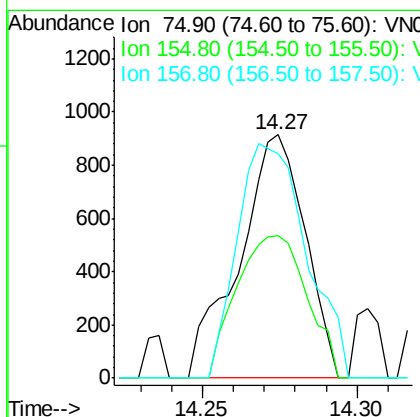
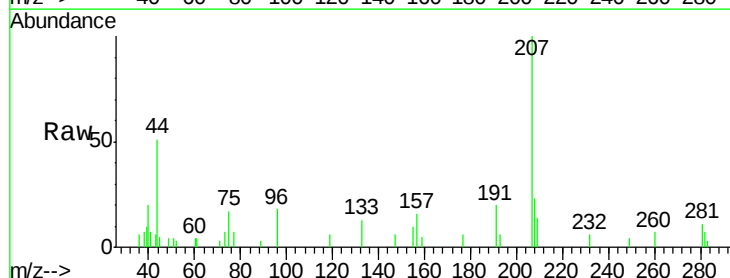
Instrument :
 MSVOA_N
 ClientSampled :

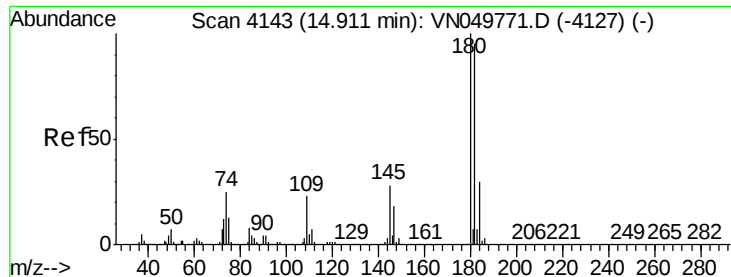
Tot Ion:146 Resp: 12730
 Ion Ratio Lower Upper
 146 100
 111 41.7 19.7 59.1
 148 65.9 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.327 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

Tgt Ion: 75 Resp: 1352
 Ion Ratio Lower Upper
 75 100
 155 62.6 45.7 137.1
 157 101.1 56.9 170.7

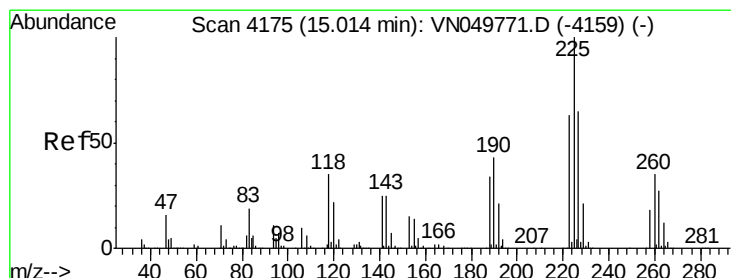
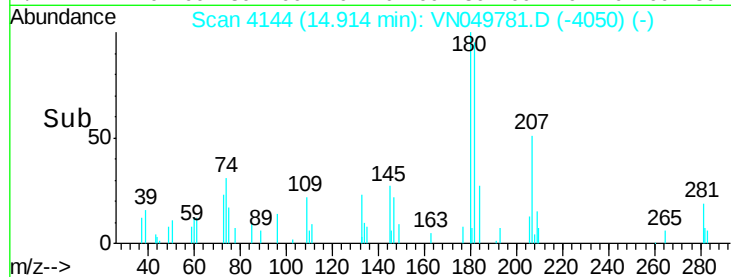
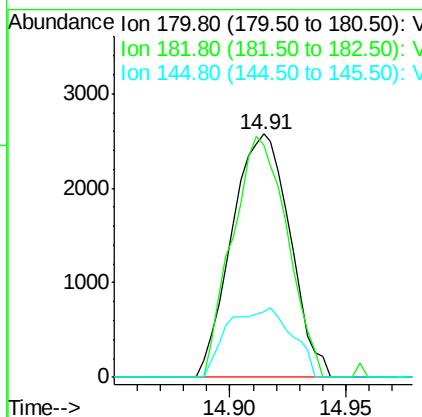
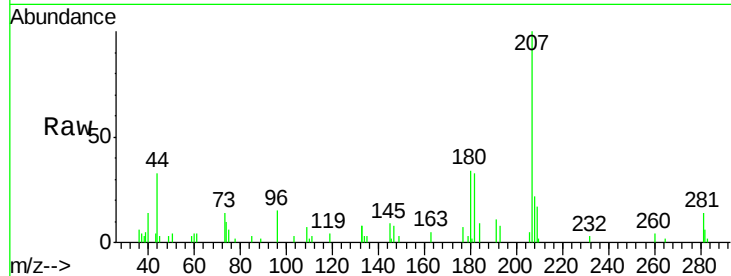




#93
 1,2,4-Trichlorobenzene
 Concen: 3.254 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

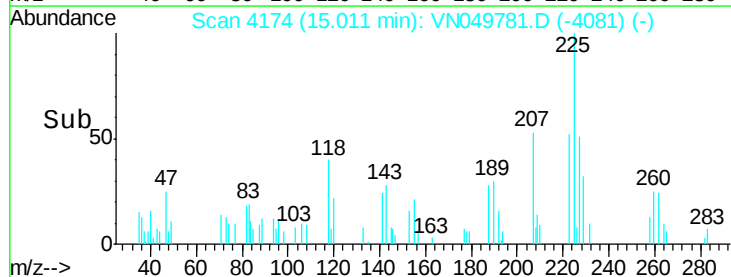
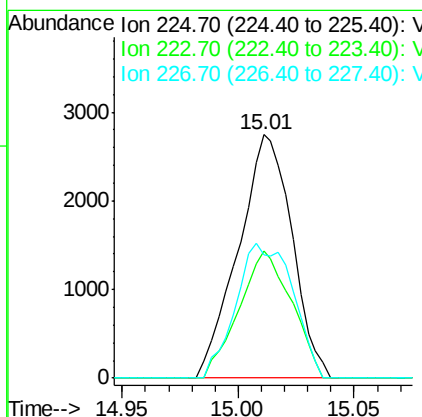
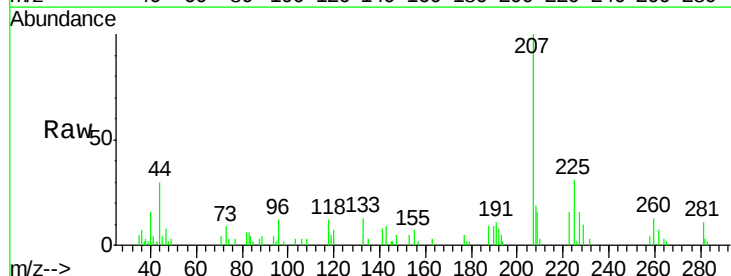
Instrument :
 MSVOA_N
 ClientSampled :

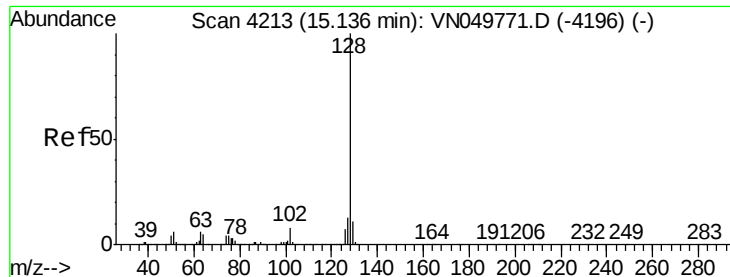
Tot Ion:180 Resp: 4480
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.3 141.9
 145 31.7 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049781.D
 Acq: 12 Jul 2018 20:36

Tgt Ion:225 Resp: 4401
 Ion Ratio Lower Upper
 225 100
 223 51.4 30.9 92.7
 227 58.5 31.8 95.4

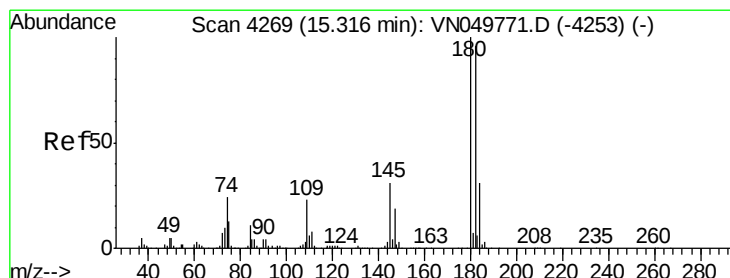
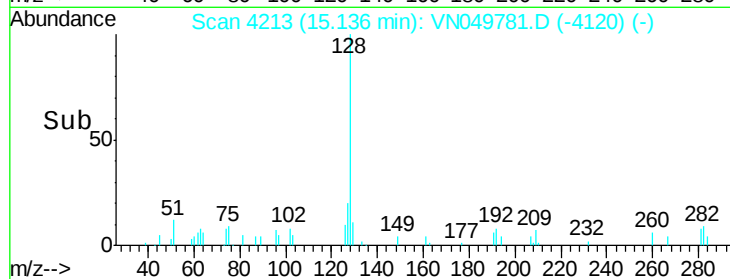
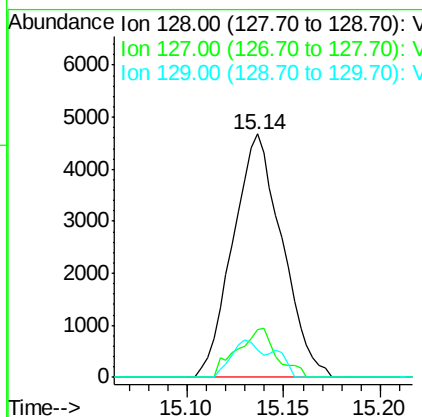
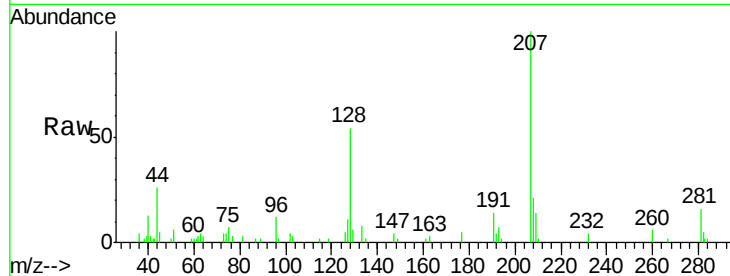




#95
Naphthalene
Concen: 4.330 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 8296
Ion Ratio Lower Upper
128 100
127 16.2 10.4 15.6#
129 8.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.486 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049781.D
Acq: 12 Jul 2018 20:36

Tgt Ion:180 Resp: 4983
Ion Ratio Lower Upper
180 100
182 90.6 47.4 142.2
145 31.7 15.2 45.6

