

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049592.D
 Acq On : 28 Jun 2018 16:16
 Operator : MD\SY
 Sample : VN0628WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 01:38:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1483288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2237988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2014768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1061822	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1022473	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	7.59	113	896962	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	10.09	98	3415789	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	1154934	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	346255	20.28	ug/l	99
3) Chloromethane	2.06	50	406765	18.45	ug/l	97
4) Vinyl Chloride	2.18	62	444315	18.96	ug/l	100
5) Bromomethane	2.56	94	210098	17.06	ug/l	99
6) Chloroethane	2.70	64	276214	19.77	ug/l	99
7) Trichlorofluoromethane	3.02	101	481652	16.48	ug/l	99
8) Diethyl Ether	3.41	74	204752	20.06	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.75	101	359060	19.37	ug/l	93
10) Methyl Iodide	3.95	142	424593	22.00	ug/l	92
11) Tert butyl alcohol	4.79	59	119773	103.73	ug/l	97
12) 1,1-Dichloroethene	3.73	96	326075	19.17	ug/l	89
13) Acrolein	3.61	56	125854	103.93	ug/l	99
14) Allyl chloride	4.32	41	423392	15.77	ug/l	89
15) Acrylonitrile	5.00	53	581862	100.78	ug/l	98
16) Acetone	3.82	43	437529	91.60	ug/l	92
17) Carbon Disulfide	4.05	76	952296	17.86	ug/l	100
18) Methyl Acetate	4.33	43	490102	33.65	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	885016	20.41	ug/l	100
20) Methylene Chloride	4.55	84	377034	18.90	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	346476	19.24	ug/l	92
22) Diisopropyl ether	5.96	45	1083401	20.20	ug/l	98
23) Vinyl Acetate	5.90	43	3577039	102.32	ug/l	96
24) 1,1-Dichloroethane	5.85	63	652595	19.01	ug/l	98
25) 2-Butanone	6.84	43	651401	101.56	ug/l	97
26) 2,2-Dichloropropane	6.82	77	539960	19.48	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	391370	19.55	ug/l	92
28) Bromochloromethane	7.19	49	300767	19.77	ug/l	# 83
29) Tetrahydrofuran	7.21	42	436134	105.63	ug/l	94
30) Chloroform	7.37	83	664859	19.46	ug/l	99
31) Cyclohexane	7.65	56	582270	19.91	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	568048	19.49	ug/l	97
36) 1,1-Dichloropropene	7.79	75	489824	19.10	ug/l	96
37) Ethyl Acetate	6.93	43	303553	21.77	ug/l	98
38) Carbon Tetrachloride	7.77	117	470016	17.70	ug/l	98

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

39) Methylcyclohexane	9.08	83	529838	19.24	ug/l	96
40) Benzene	8.04	78	1508457	19.18	ug/l	98
41) Methacrylonitrile	7.18	41	161033	21.36	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	472487	19.45	ug/l	96
43) Isopropyl Acetate	8.17	43	679429	25.50	ug/l	96
44) Trichloroethene	8.84	130	447078	21.53	ug/l	94
45) 1,2-Dichloropropane	9.12	63	396234	19.24	ug/l	100
46) Dibromomethane	9.21	93	234606	19.65	ug/l	90
47) Bromodichloromethane	9.40	83	494991	18.87	ug/l	98
48) Methyl methacrylate	9.20	41	270235	21.54	ug/l	88
49) 1,4-Dioxane	9.20	88	70763	408.66	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1481460	106.10	ug/l	94
52) Toluene	10.16	92	917018	19.87	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	470503	18.75	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	550489	18.58	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	334949	19.47	ug/l	97
56) Ethyl methacrylate	10.43	69	410704	20.69	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	564080	19.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	894398	133.14	ug/l	94
59) 2-Hexanone	10.75	43	996179	110.66	ug/l	93
60) Dibromochloromethane	10.90	129	359912	18.74	ug/l	100
61) 1,2-Dibromoethane	11.01	107	330465	20.66	ug/l	99
64) Tetrachloroethene	10.63	164	525420	25.45	ug/l	97
65) Chlorobenzene	11.44	112	994927	19.17	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	359782	18.42	ug/l	99
67) Ethyl Benzene	11.51	91	1677859	19.49	ug/l	98
68) m/p-Xylenes	11.62	106	1313528	40.66	ug/l	97
69) o-Xylene	11.95	106	622727	20.01	ug/l	97
70) Styrene	11.97	104	1020611	20.79	ug/l	98
71) Bromoform	12.13	173	238713	18.88	ug/l #	100
73) Isopropylbenzene	12.25	105	1644815	17.64	ug/l	98
74) N-amyl acetate	12.07	43	465544	20.39	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	382789	18.55	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	497404	27.45	ug/l #	100
77) Bromobenzene	12.53	156	429896	17.46	ug/l	90
78) n-propylbenzene	12.59	91	1895563	18.52	ug/l	98
79) 2-Chlorotoluene	12.68	91	1160714	17.90	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1418156	19.35	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	93102	16.24	ug/l	96
82) 4-Chlorotoluene	12.78	91	1172483	18.74	ug/l	96
83) tert-Butylbenzene	13.00	119	1172706	18.06	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1451604	19.94	ug/l	98
85) sec-Butylbenzene	13.17	105	1566375	18.13	ug/l	98
86) p-Isopropyltoluene	13.29	119	1377119	19.08	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	761153	18.79	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	750540	18.69	ug/l	100
89) n-Butylbenzene	13.62	91	1109599	19.68	ug/l	98
90) Hexachloroethane	13.88	117	104456	6.16	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	759183	19.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	63242	19.48	ug/l	85

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QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

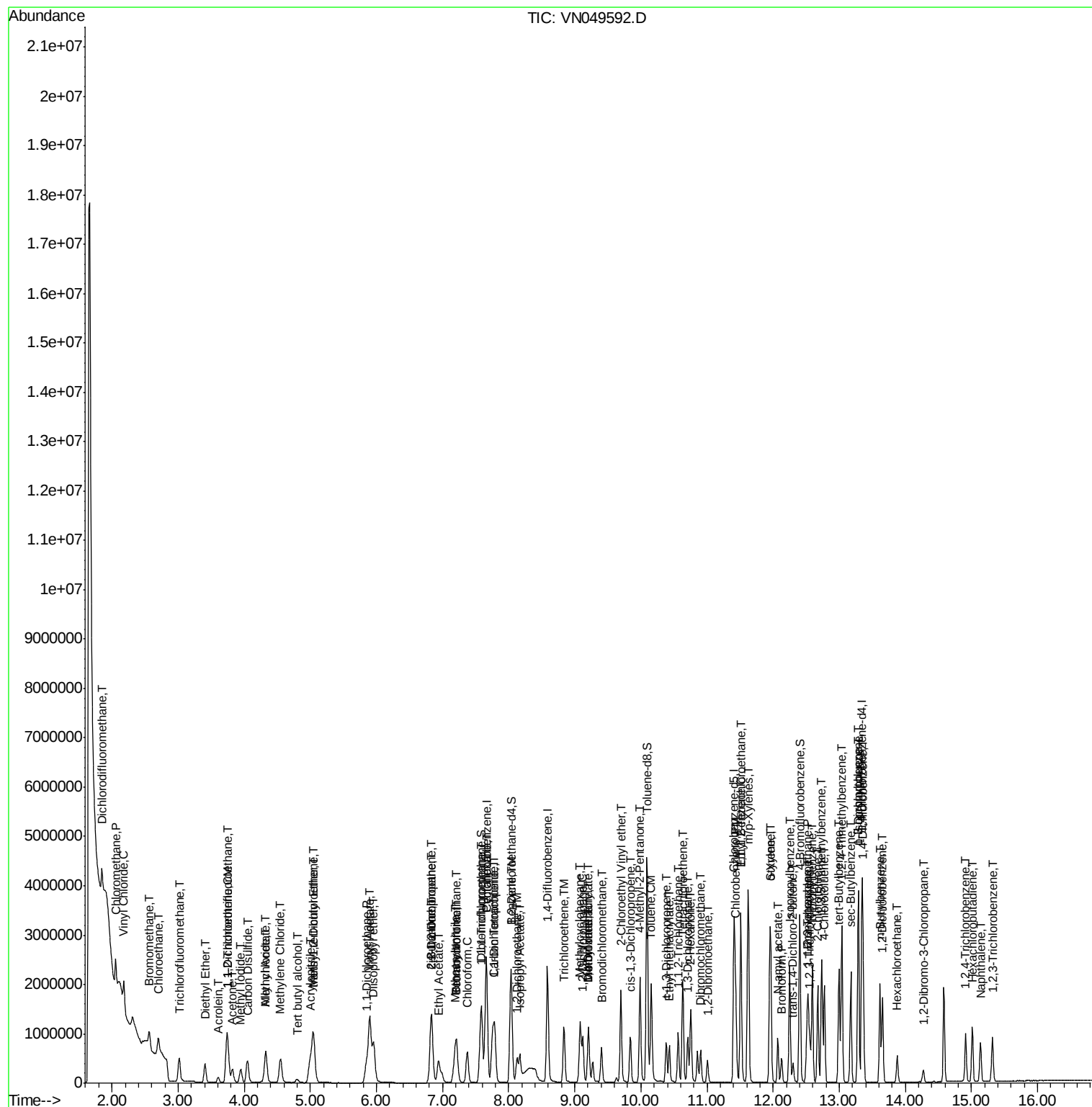
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	333756	21.33	ug/l	99
94) Hexachlorobutadiene	15.01	225	227708	17.84	ug/l	99
95) Naphthalene	15.14	128	689460	24.06	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	331535	20.79	ug/l	98

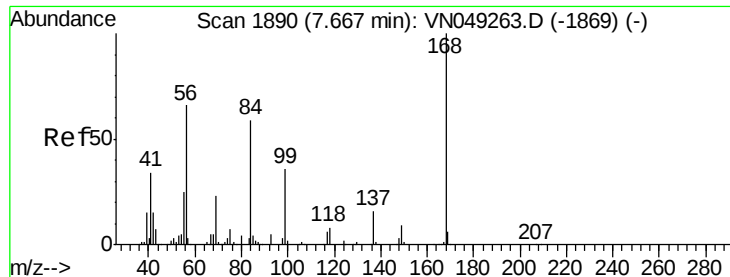
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

Quant Time: Jun 29 01:38:50 2018
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

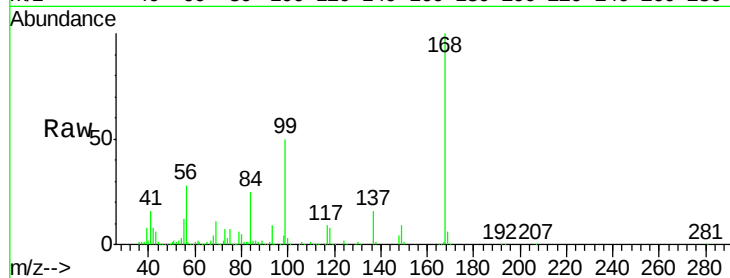
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1483288

Ion Ratio Lower Upper

168 100

99 50.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

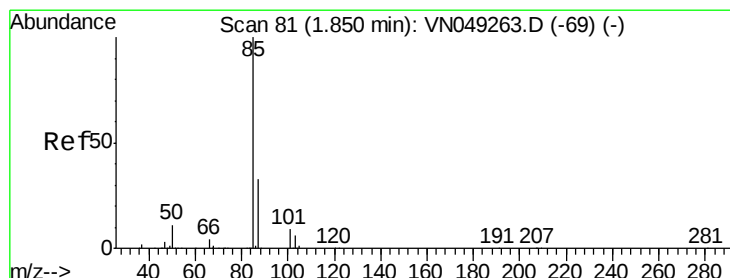
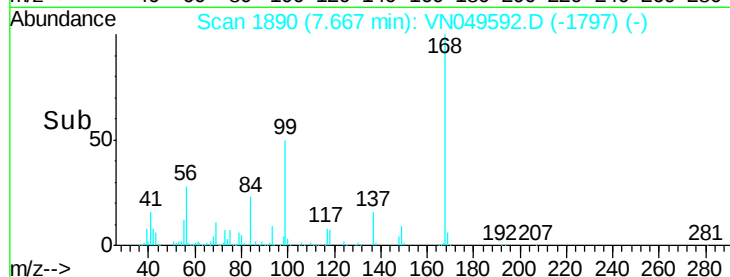
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 20.28 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049592.D

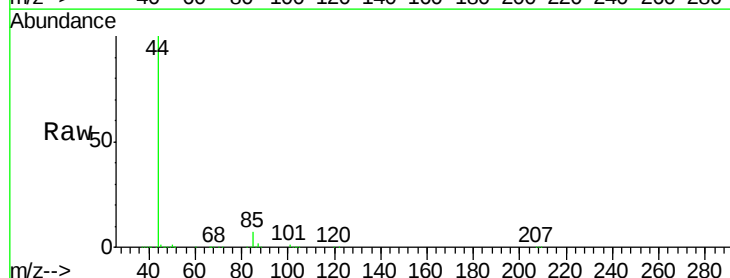
Acq: 28 Jun 2018 16:16

Tgt Ion: 85 Resp: 346255

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

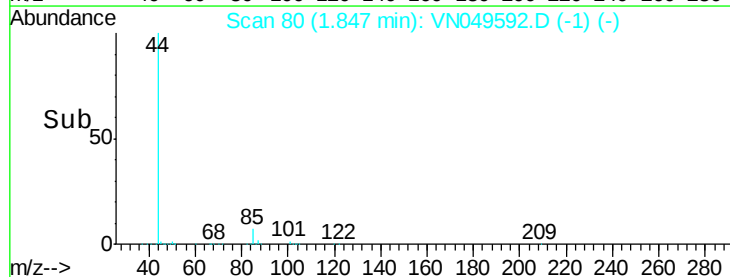
150000

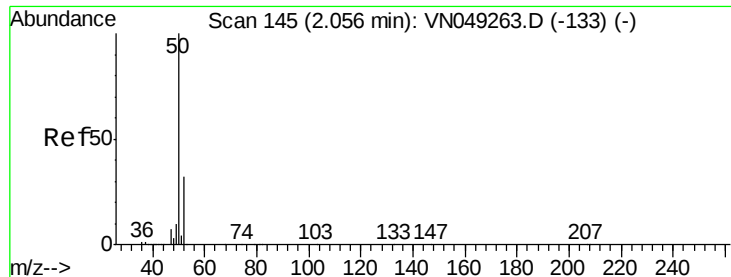
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.45 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

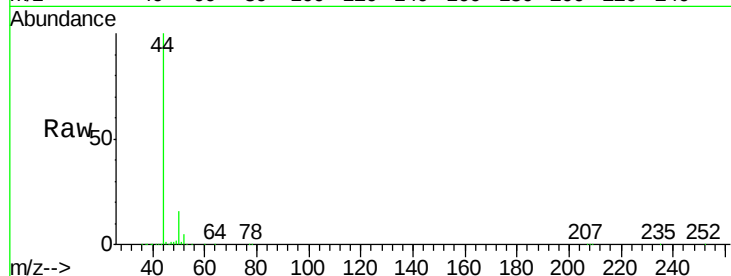
ClientSampleId :

Tot Ion: 50 Resp: 406765

Ion Ratio Lower Upper

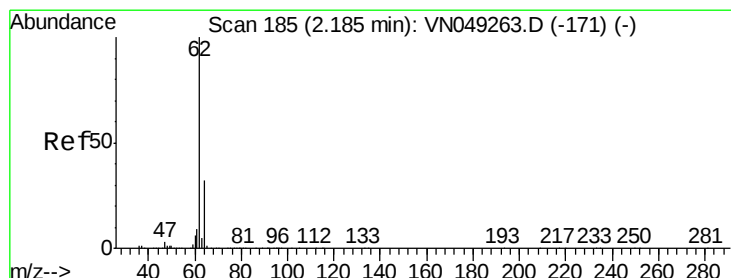
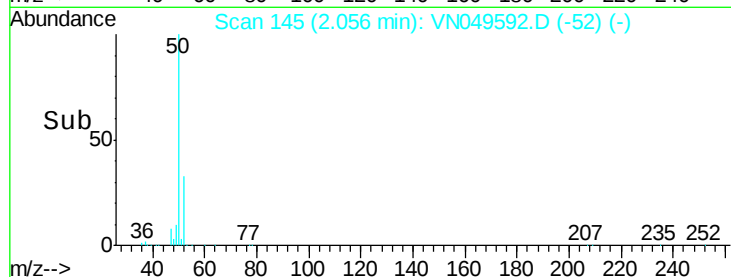
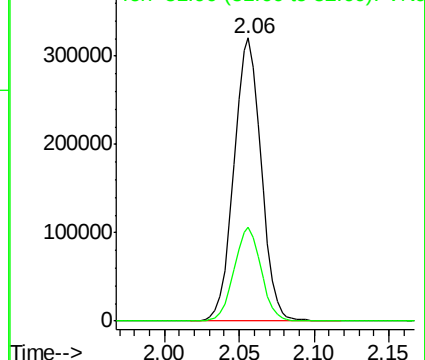
50 100

52 33.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.96 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049592.D

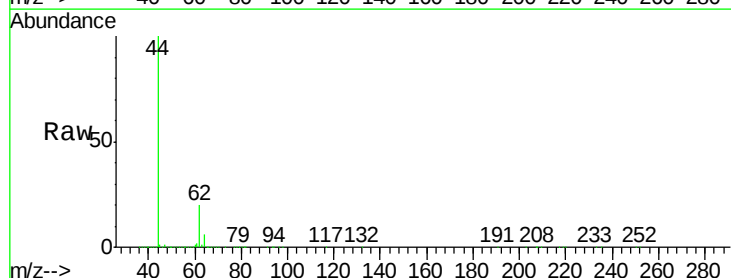
Acq: 28 Jun 2018 16:16

Tgt Ion: 62 Resp: 444315

Ion Ratio Lower Upper

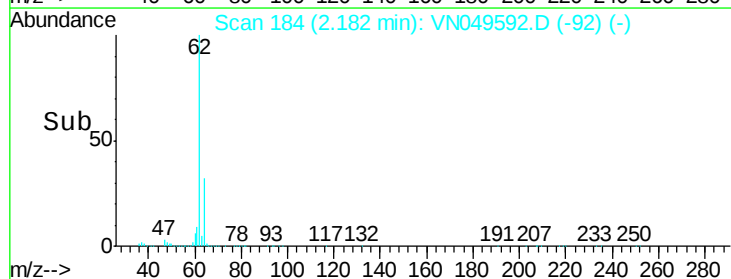
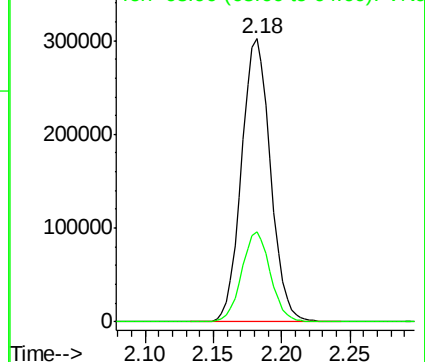
62 100

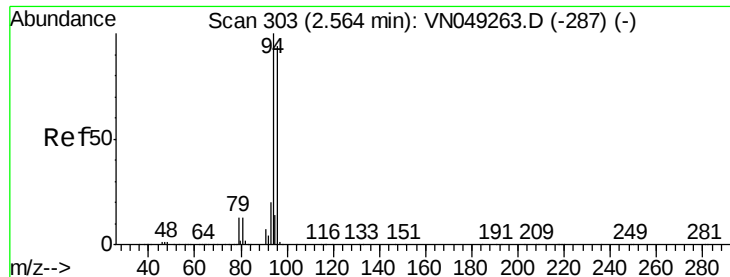
64 31.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.06 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

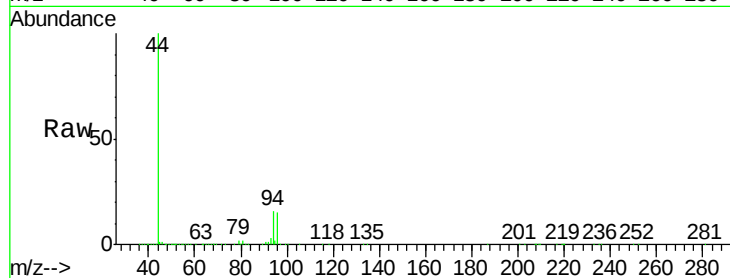
ClientSampleId :

Tot Ion: 94 Resp: 210098

Ion Ratio Lower Upper

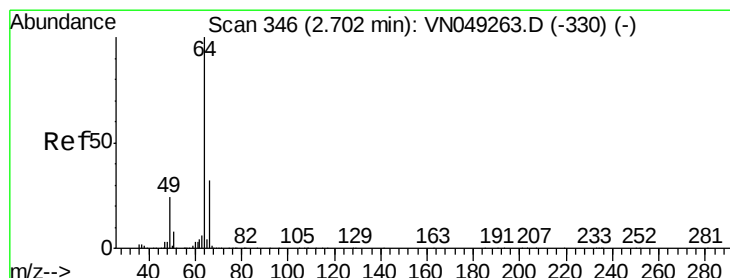
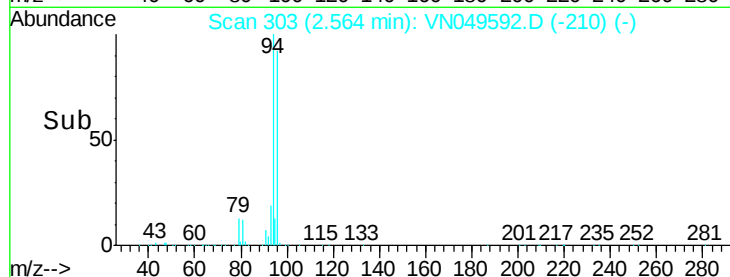
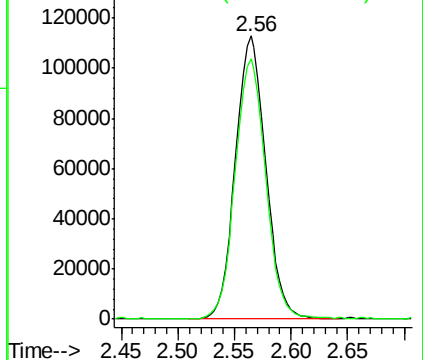
94 100

96 92.2 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.77 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049592.D

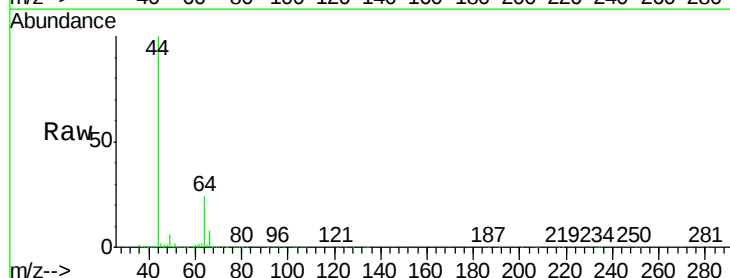
Acq: 28 Jun 2018 16:16

Tgt Ion: 64 Resp: 276214

Ion Ratio Lower Upper

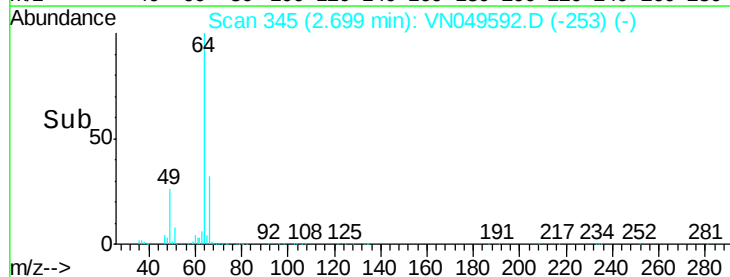
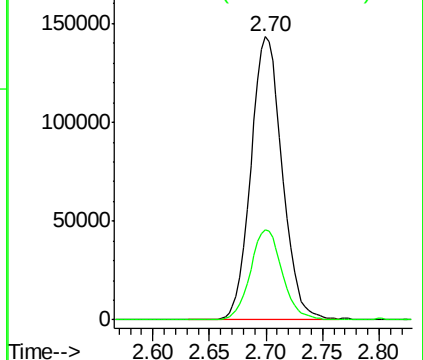
64 100

66 31.6 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: 16.48 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

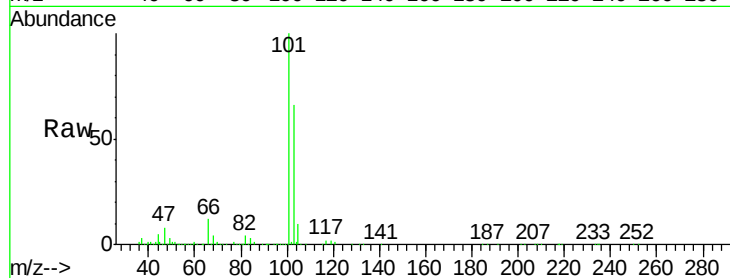
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 481652

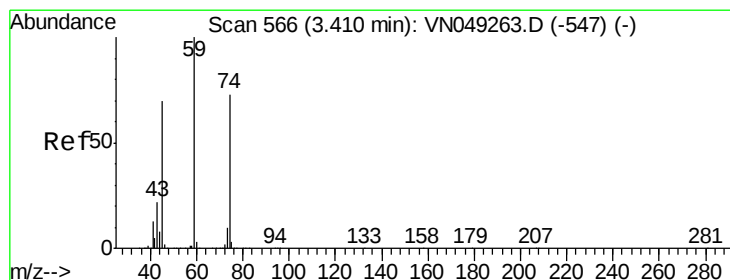
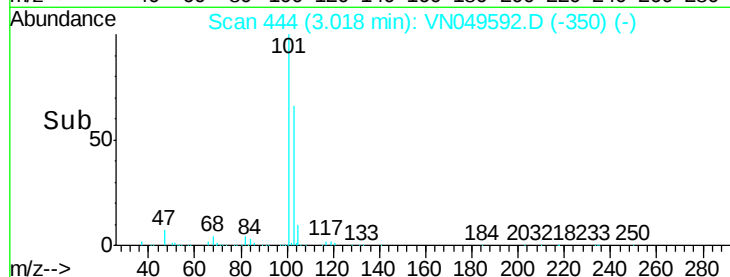
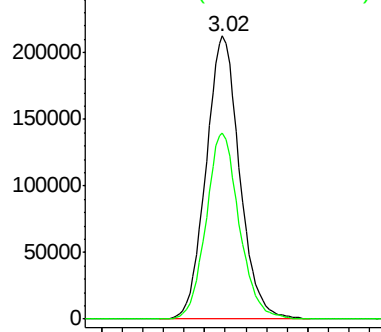
Ion Ratio Lower Upper

101 100

103 65.8 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.06 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN049592.D

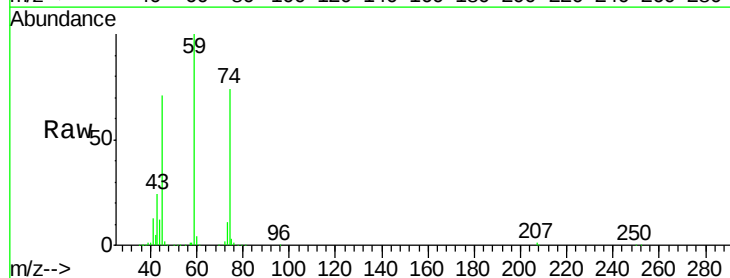
Acq: 28 Jun 2018 16:16

Tgt Ion: 74 Resp: 204752

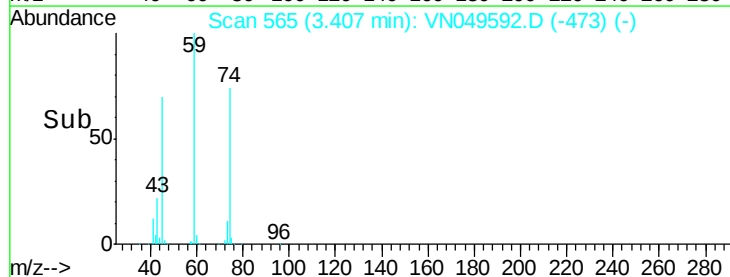
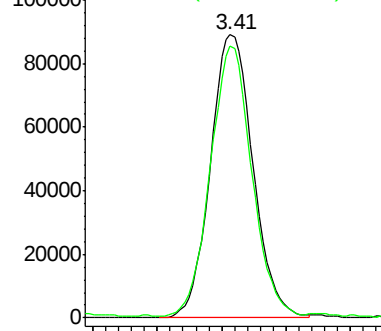
Ion Ratio Lower Upper

74 100

45 92.3 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.37 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

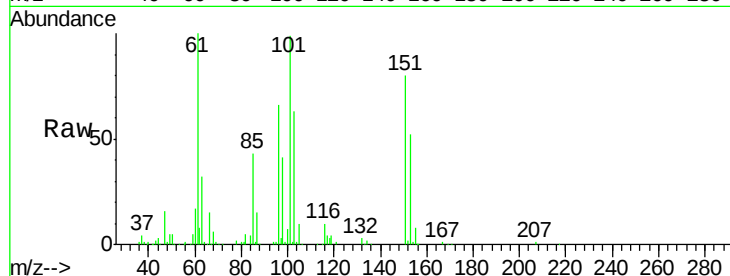
Tot Ion:101 Resp: 359060

Ion Ratio Lower Upper

101 100

85 42.8 37.6 56.4

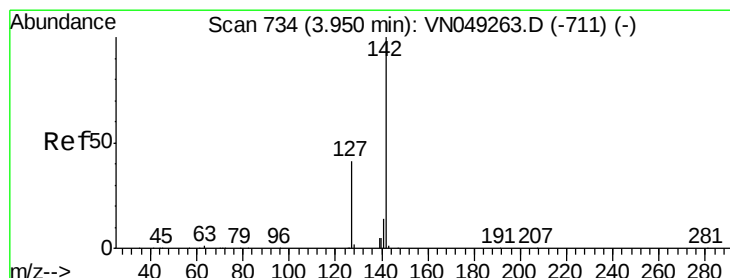
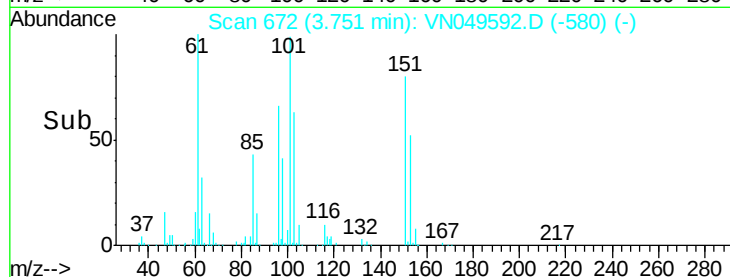
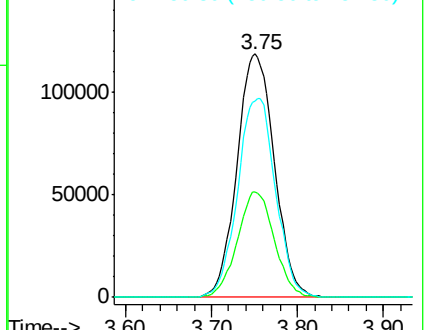
151 82.6 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.00 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

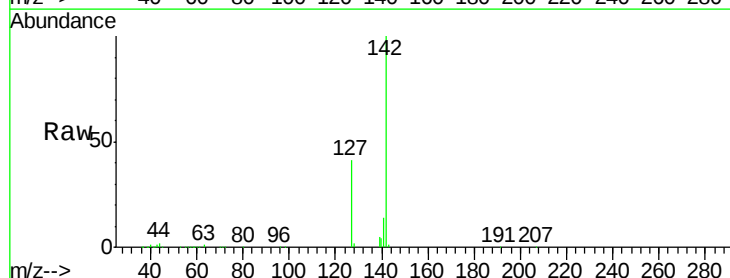
Tgt Ion:142 Resp: 424593

Ion Ratio Lower Upper

142 100

127 41.0 38.2 57.4

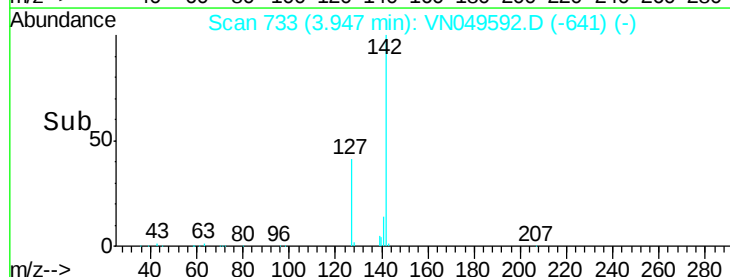
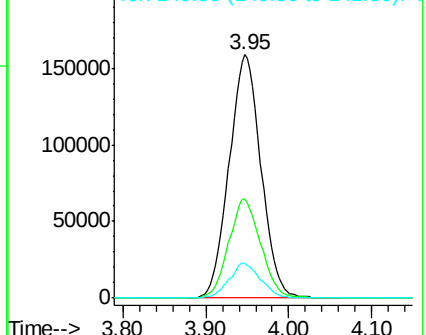
141 14.2 11.9 17.9

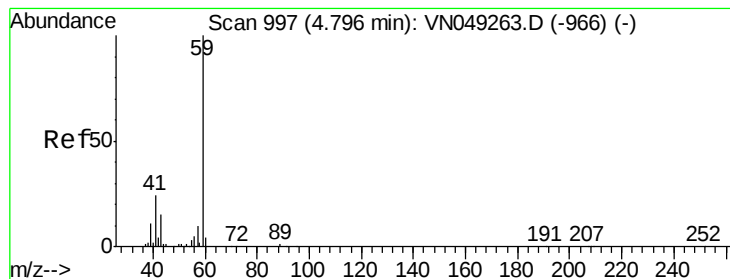


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



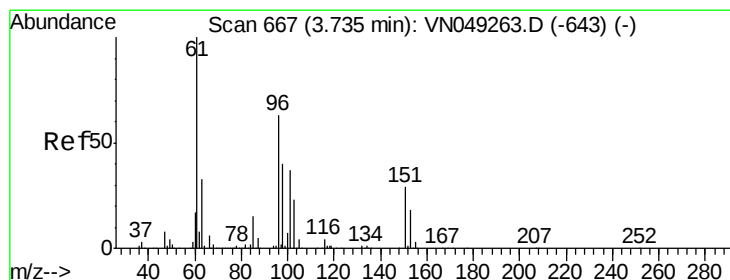
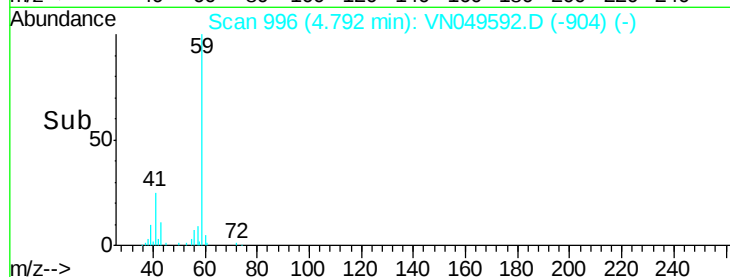
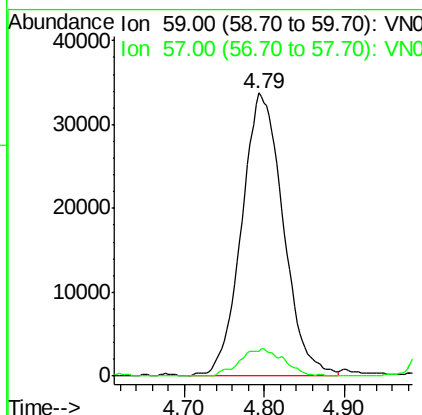
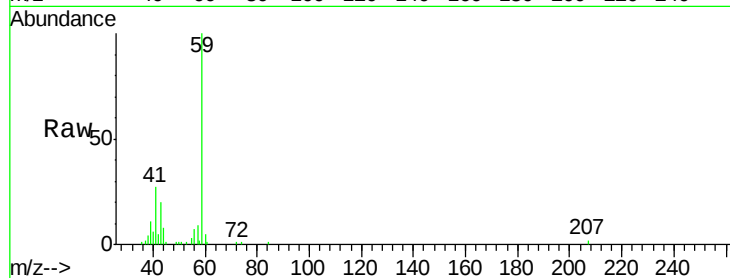


#11

Tert butyl alcohol
 Concen: 103.73 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :

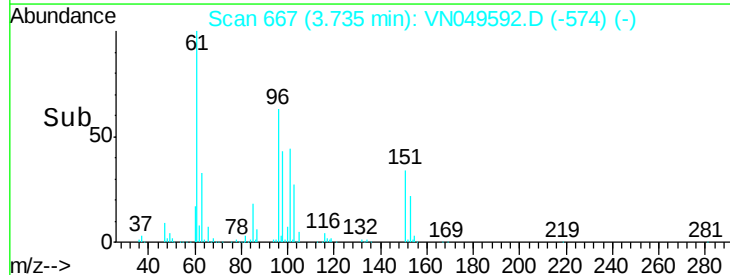
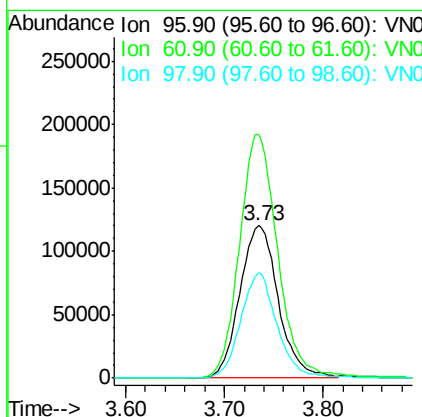
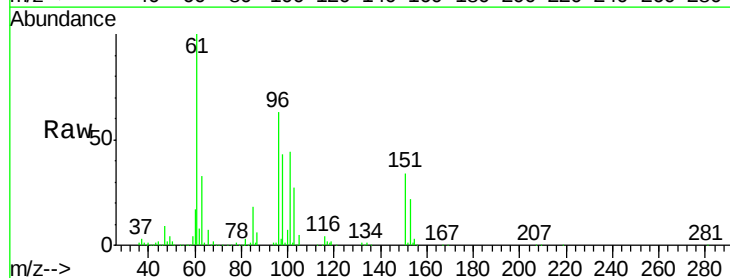
Tot Ion: 59 Resp: 119773
 Ion Ratio Lower Upper
 59 100
 57 10.1 9.0 13.6

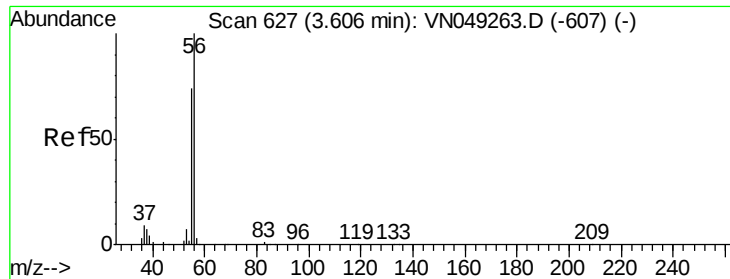


#12

1,1-Dichloroethene
 Concen: 19.17 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion: 96 Resp: 326075
 Ion Ratio Lower Upper
 96 100
 61 159.8 141.0 211.4
 98 69.1 50.4 75.6





#13

Acrolein

Concen: 103.93 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

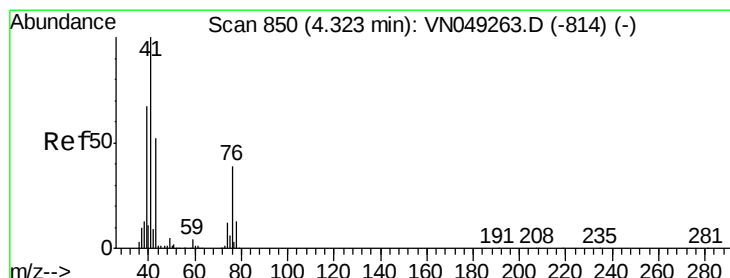
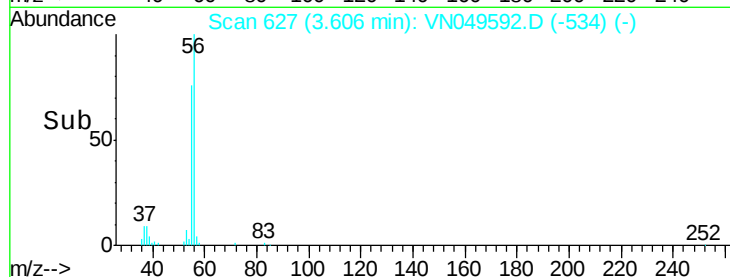
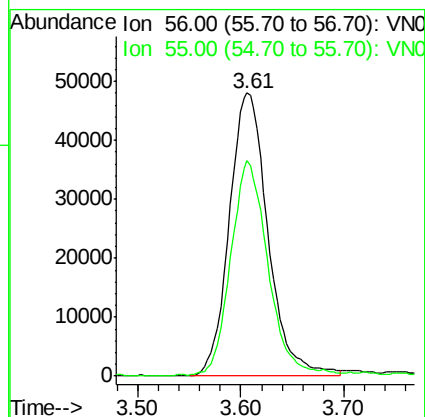
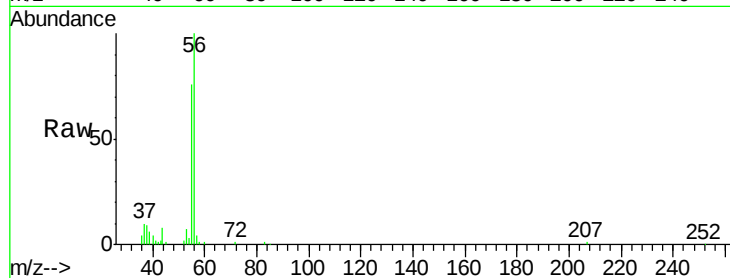
ClientSampleId :

Tot Ion: 56 Resp: 125854

Ion Ratio Lower Upper

56 100

55 72.4 57.1 85.7



#14

Allyl chloride

Concen: 15.77 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

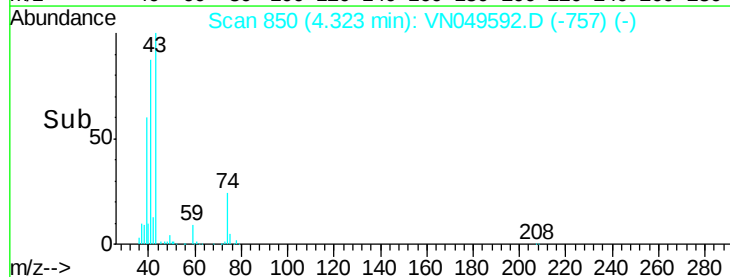
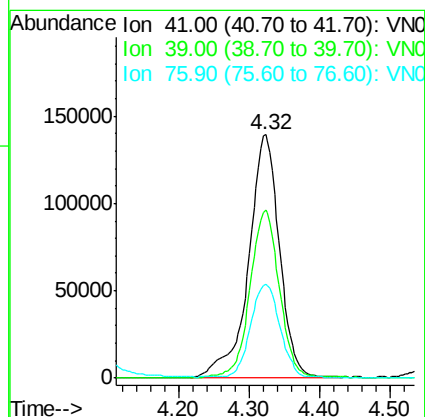
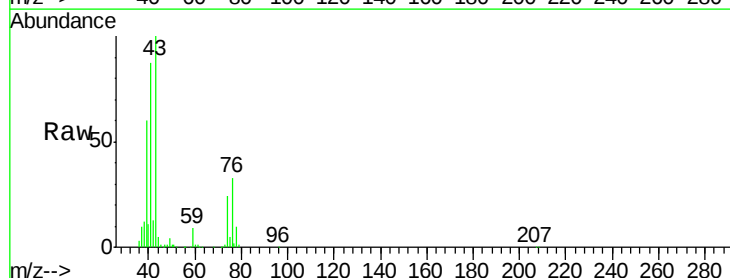
Tgt Ion: 41 Resp: 423392

Ion Ratio Lower Upper

41 100

39 65.3 62.5 93.7

76 35.8 27.1 40.7





#15

Acrylonitrile

Concen: 100.78 ug/l

RT: 5.00 min Scan# 1059

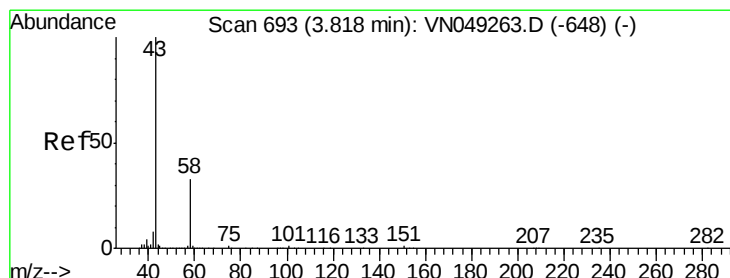
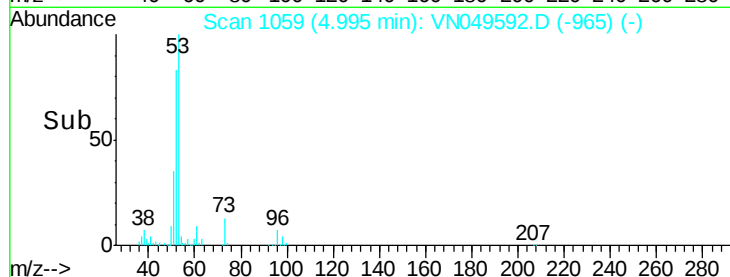
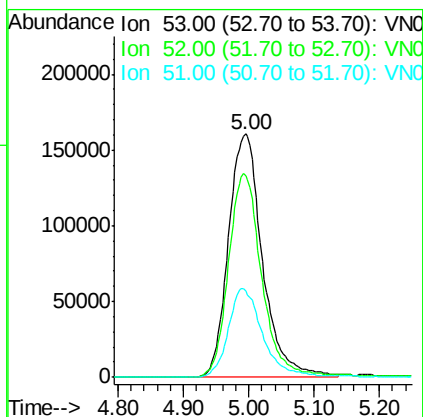
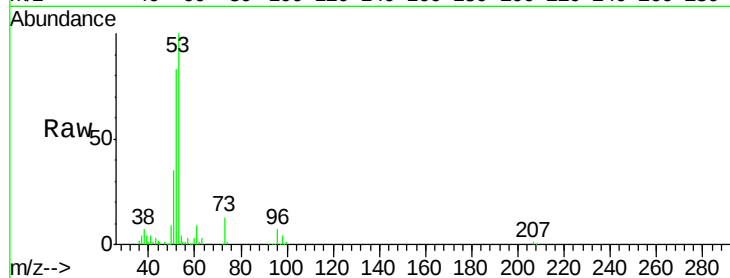
Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	53	Resp:	581862
Ion	Ratio	Lower	Upper
53	100		
52	80.7	66.6	100.0
51	36.8	29.8	44.8



#16

Acetone

Concen: 91.60 ug/l

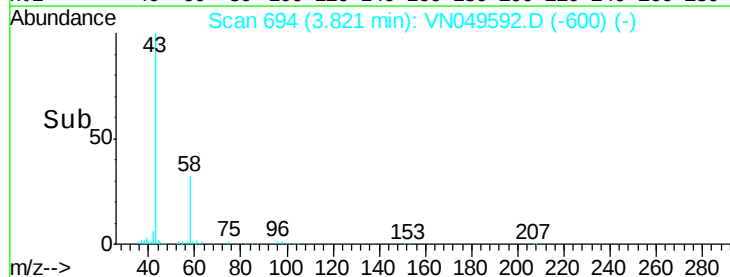
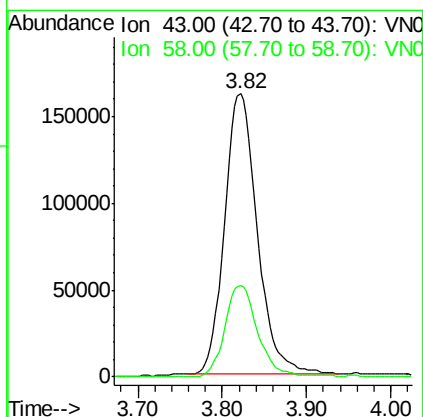
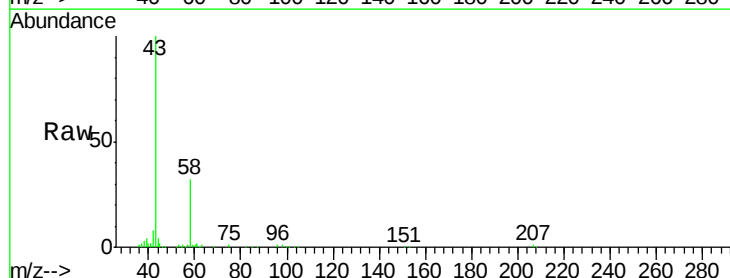
RT: 3.82 min Scan# 694

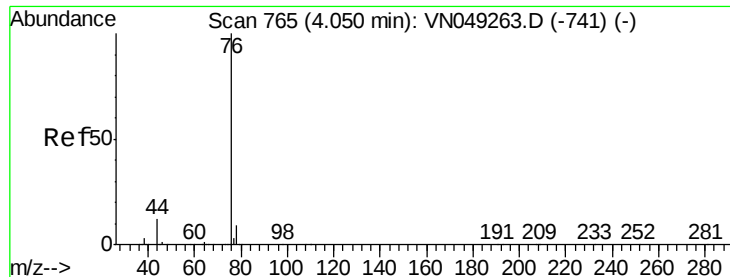
Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Tgt Ion:	43	Resp:	437529
Ion	Ratio	Lower	Upper
43	100		
58	32.2	22.4	33.6

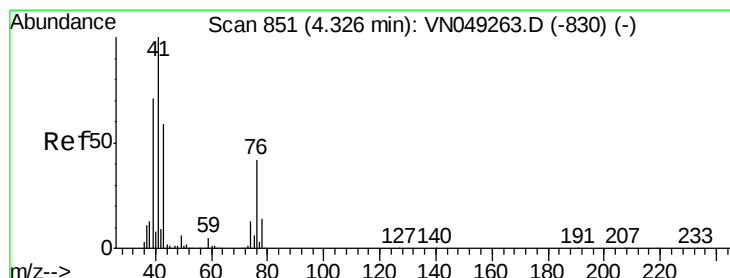
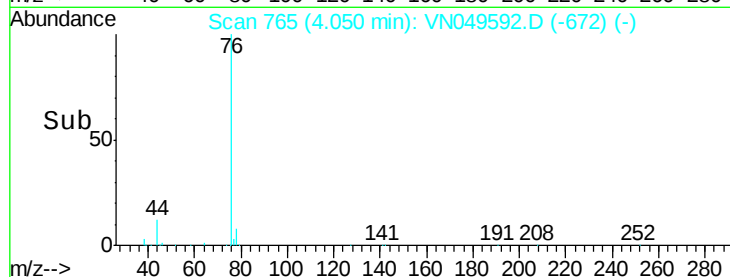
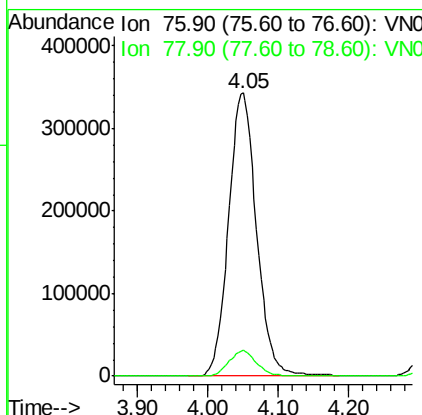
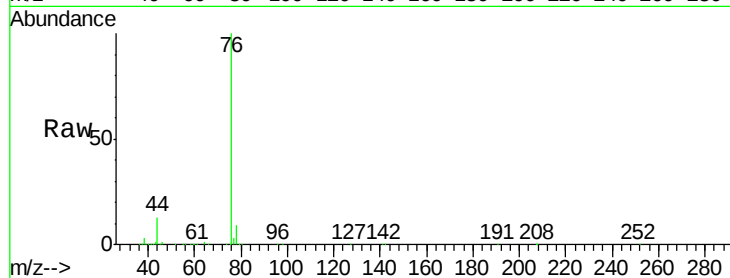




#17
Carbon Disulfide
Concen: 17.86 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

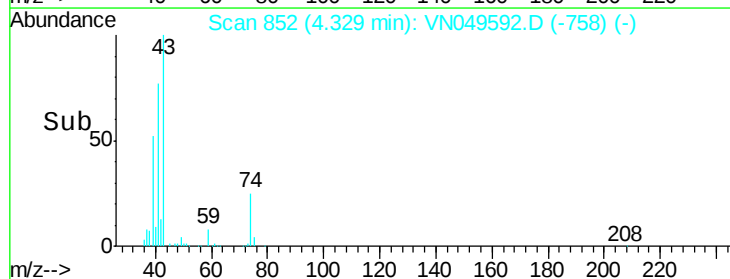
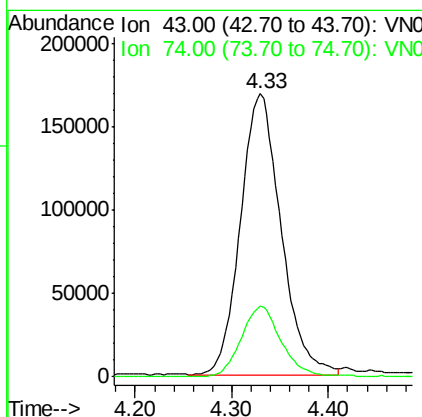
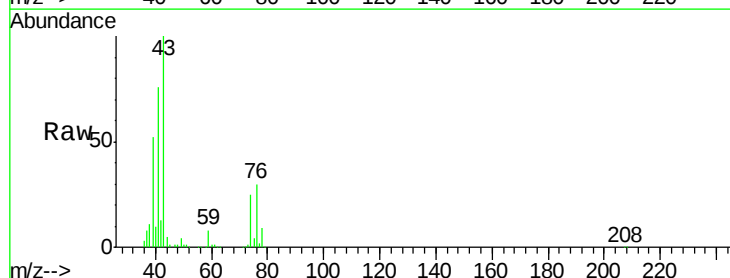
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 952296
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 33.65 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion: 43 Resp: 490102
Ion Ratio Lower Upper
43 100
74 24.7 17.4 26.0

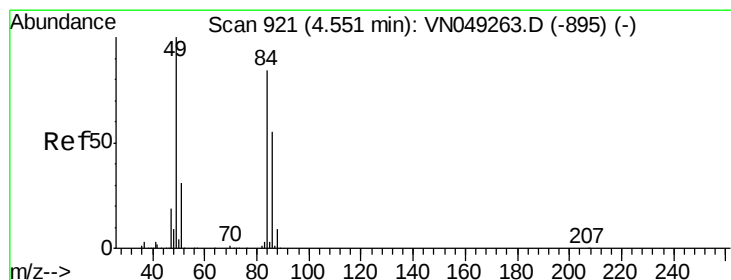
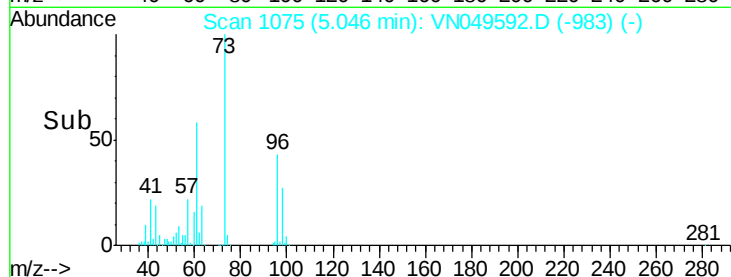
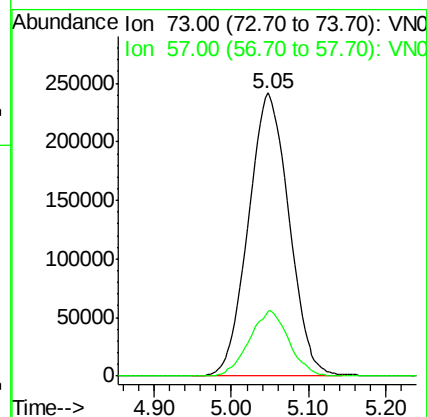
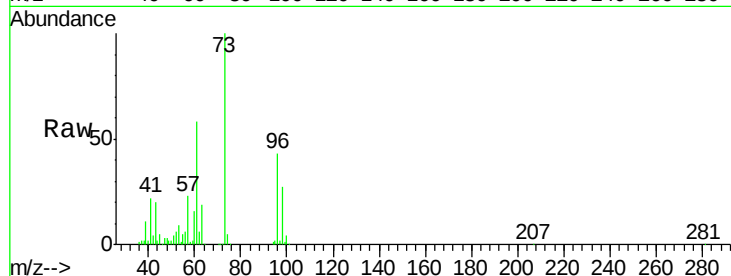




#19
Methyl tert-butyl Ether
Concen: 20.41 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

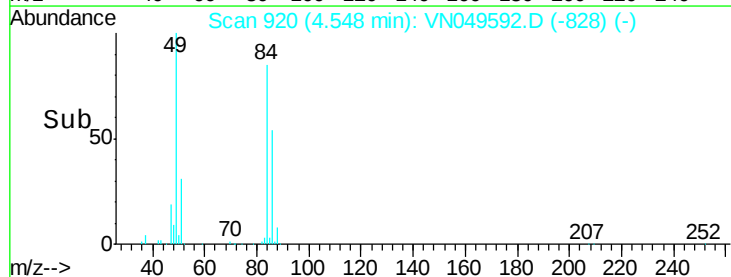
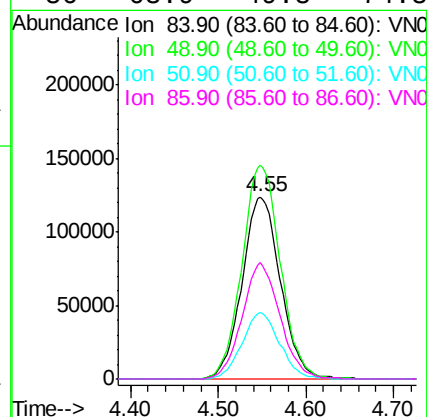
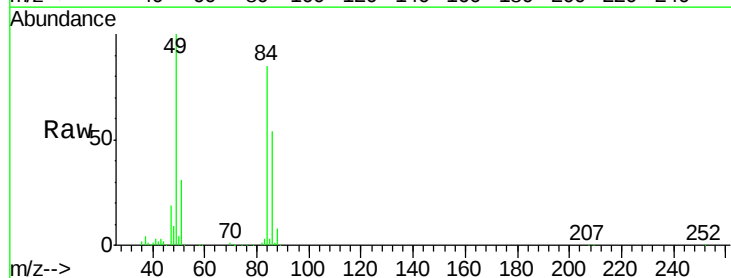
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 885016
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4



#20
Methylene Chloride
Concen: 18.90 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion: 84 Resp: 377034
Ion Ratio Lower Upper
84 100
49 117.5 106.9 160.3
51 36.5 32.7 49.1
86 63.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.24 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

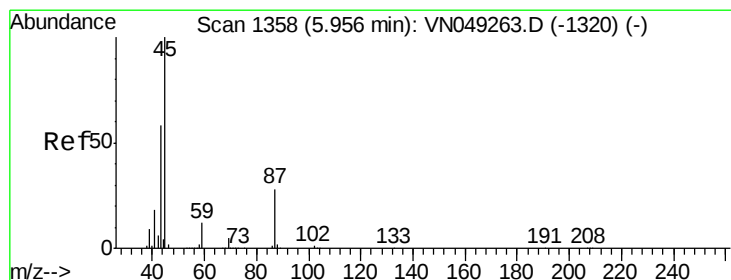
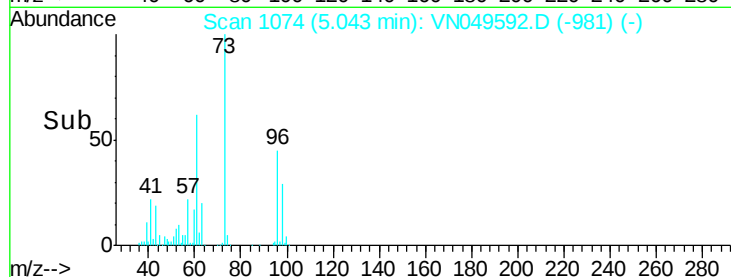
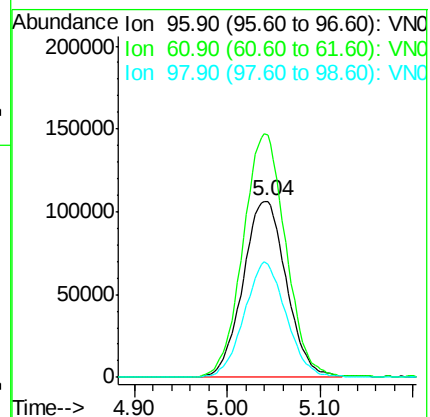
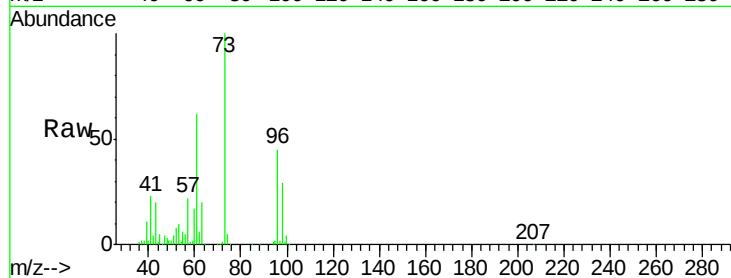
Tot Ion: 96 Resp: 346476

Ion Ratio Lower Upper

96 100

61 137.2 121.3 181.9

98 64.3 52.0 78.0



#22

Diisopropyl ether

Concen: 20.20 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Tgt Ion: 45 Resp: 1083401

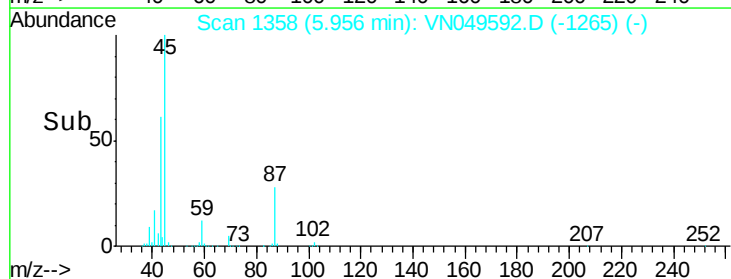
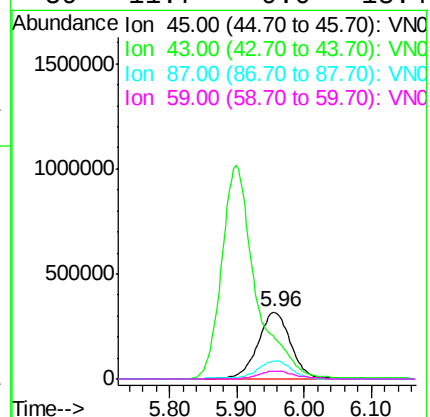
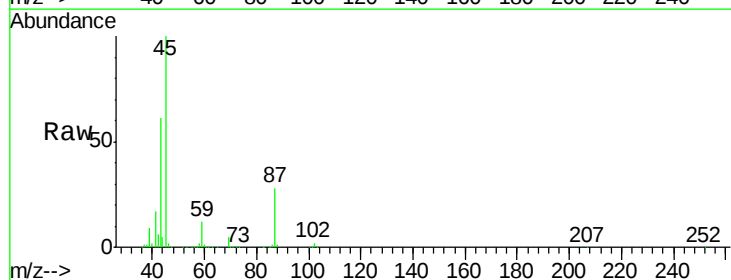
Ion Ratio Lower Upper

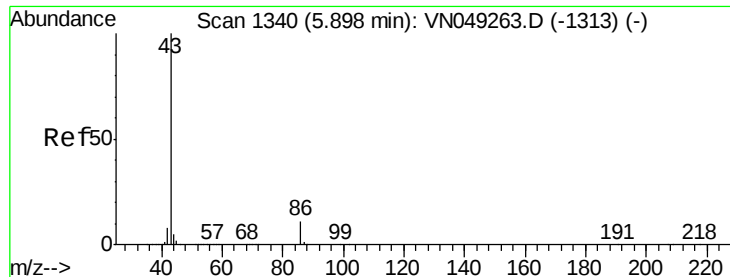
45 100

43 60.4 48.6 72.8

87 27.4 20.2 30.2

59 11.7 9.0 13.4





#23

Vinyl Acetate

Concen: 102.32 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

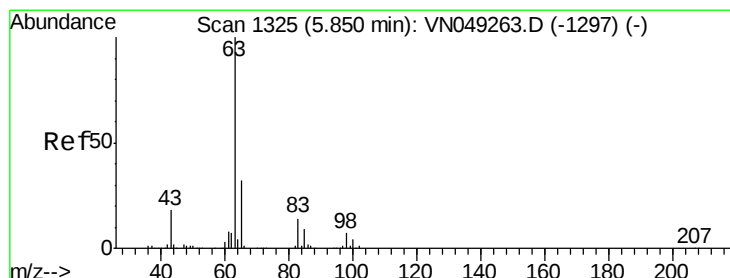
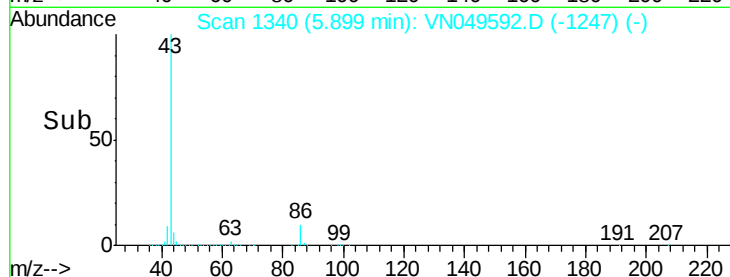
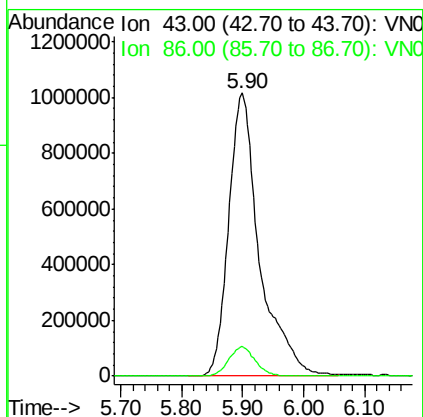
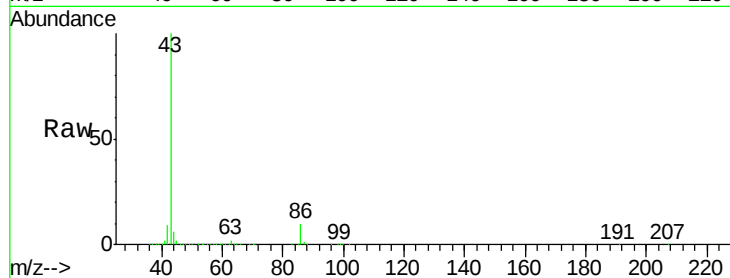
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3577039

Ion Ratio Lower Upper

43 100

86 10.4 7.2 10.8



#24

1,1-Dichloroethane

Concen: 19.01 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

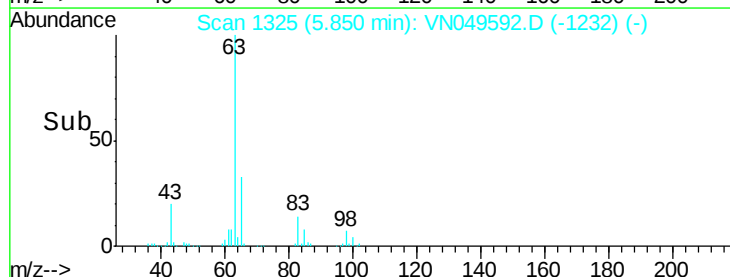
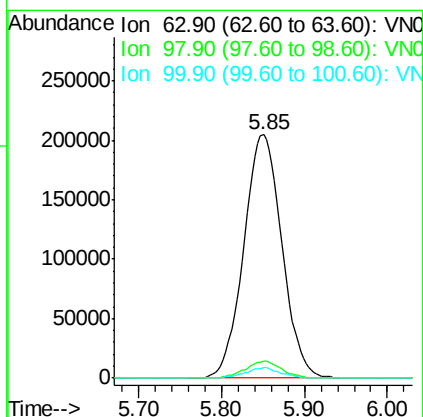
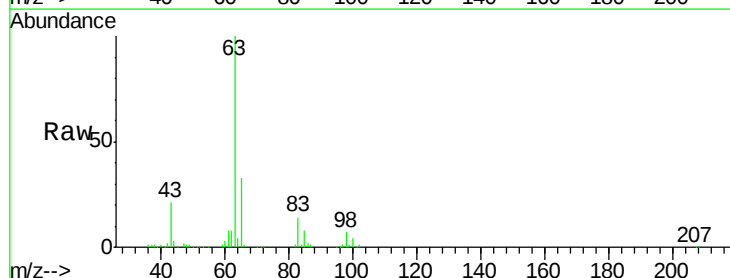
Tgt Ion: 63 Resp: 652595

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.8

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 101.56 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

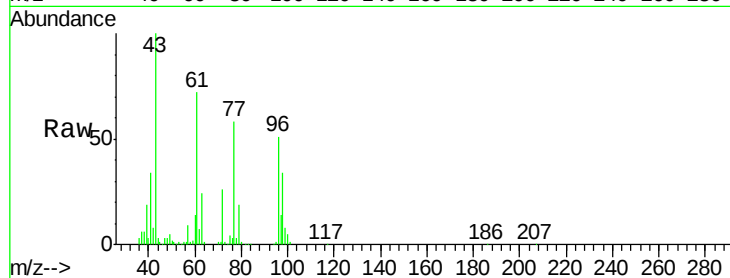
ClientSampleId :

Tot Ion: 43 Resp: 651401

Ion Ratio Lower Upper

43 100

72 26.6 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

250000

200000

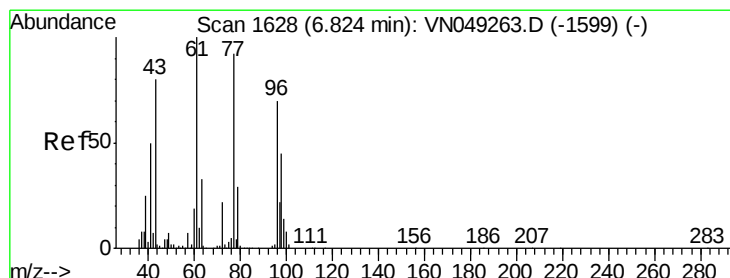
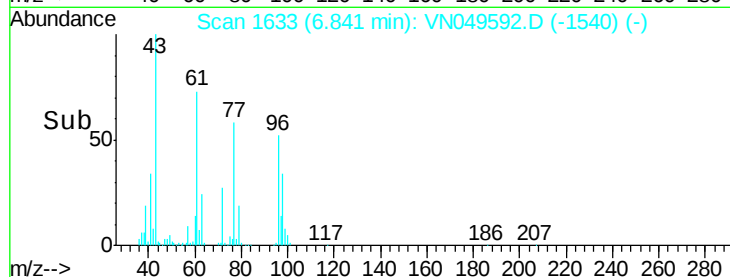
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 19.48 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049592.D

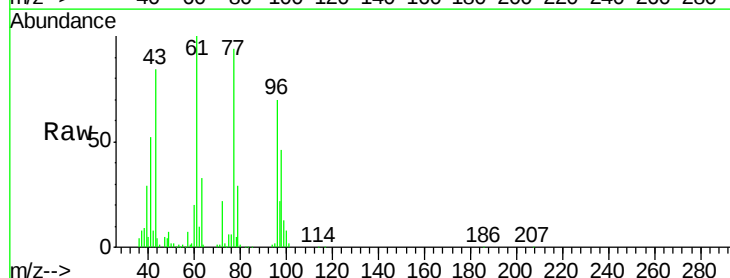
Acq: 28 Jun 2018 16:16

Tgt Ion: 77 Resp: 539960

Ion Ratio Lower Upper

77 100

97 23.5 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

200000

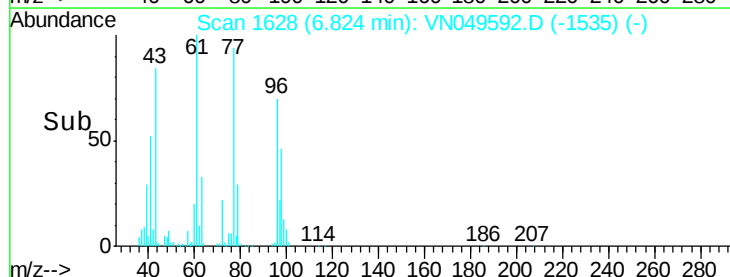
150000

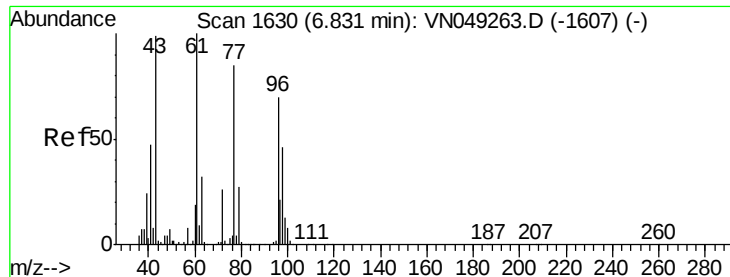
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.55 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampled :

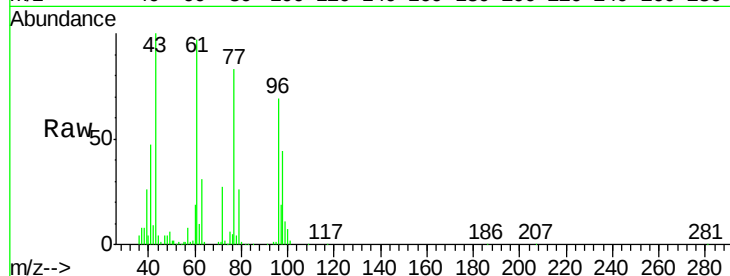
Tot Ion: 96 Resp: 391370

Ion Ratio Lower Upper

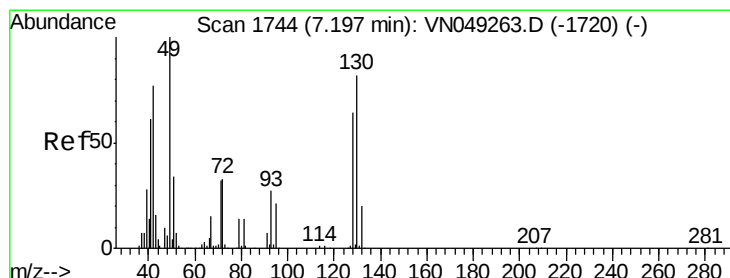
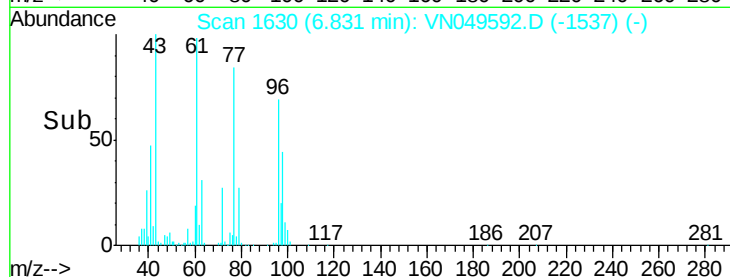
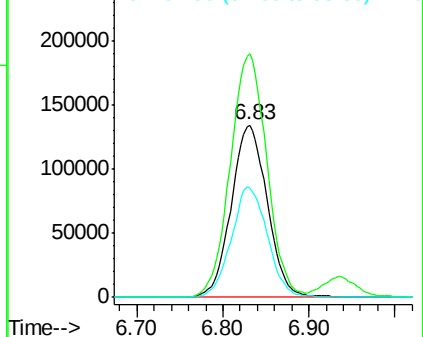
96 100

61 143.1 0.0 316.4

98 64.3 0.0 128.4



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



#28

Bromochloromethane

Concen: 19.77 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

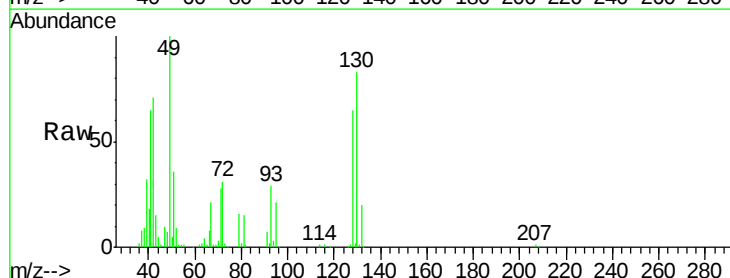
Tgt Ion: 49 Resp: 300767

Ion Ratio Lower Upper

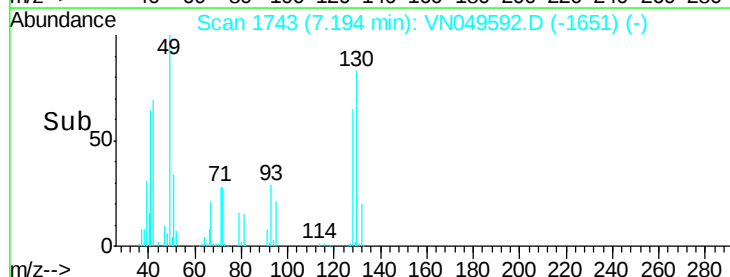
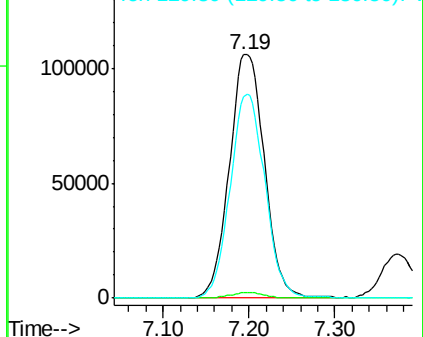
49 100

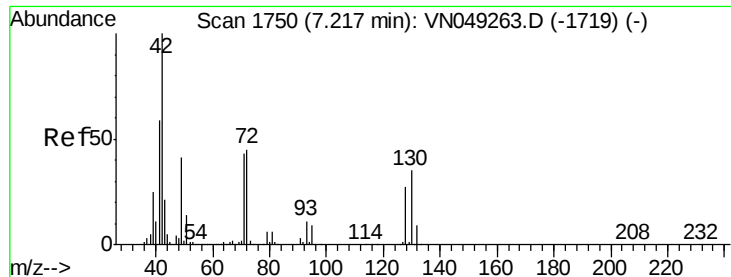
129 2.2 0.0 3.8

130 83.0 54.9 82.3#



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





#29

Tetrahydrofuran

Concen: 105.63 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

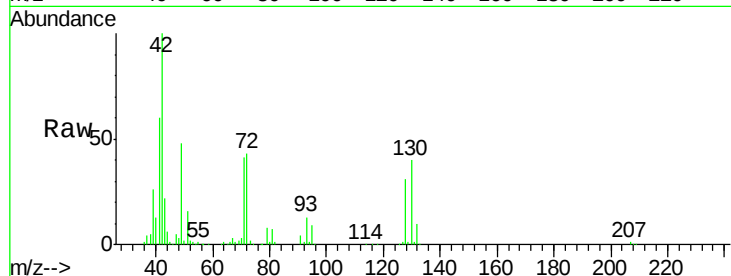
Tot Ion: 42 Resp: 436134

Ion Ratio Lower Upper

42 100

72 44.4 32.2 48.4

71 41.7 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN049263.D (-1719) (-)

Ion 72.00 (71.70 to 72.70): VN049263.D (-1719) (-)

Ion 71.00 (70.70 to 71.70): VN049263.D (-1719) (-)

7.21

150000

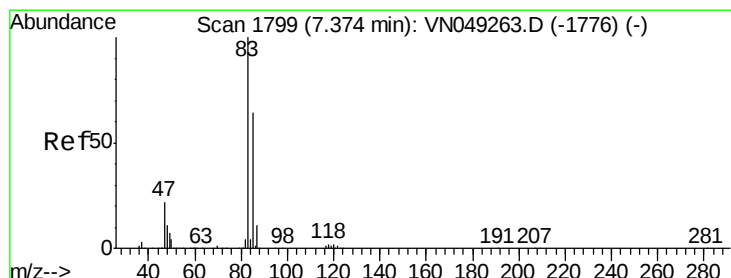
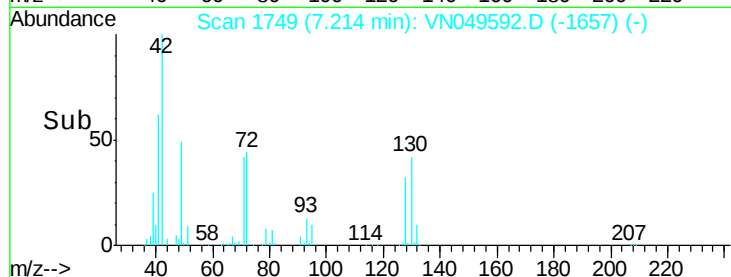
100000

50000

0

7.10 7.20 7.30

Time-->



#30

Chloroform

Concen: 19.46 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049592.D

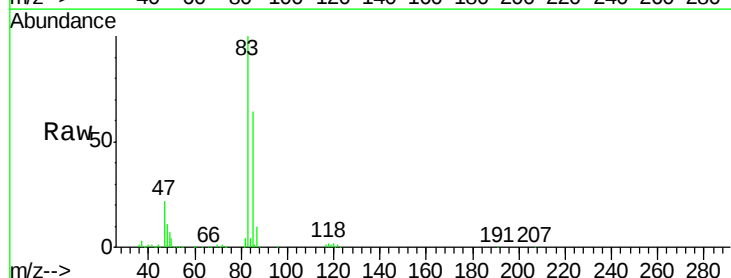
Acq: 28 Jun 2018 16:16

Tgt Ion: 83 Resp: 664859

Ion Ratio Lower Upper

83 100

85 64.0 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN049263.D (-1776) (-)

Ion 84.90 (84.60 to 85.60): VN049263.D (-1776) (-)

7.37

300000

250000

200000

150000

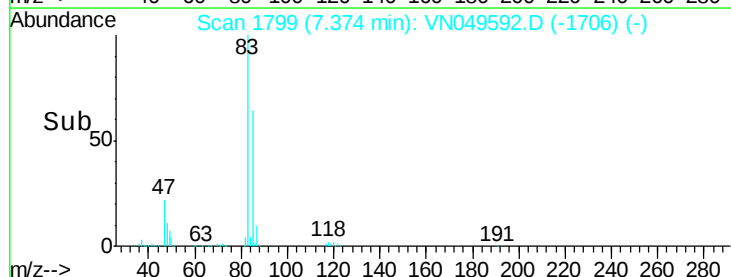
100000

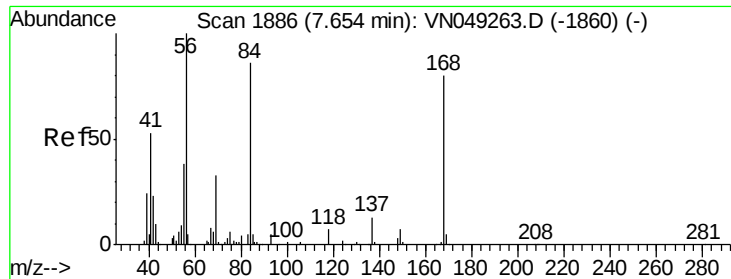
50000

0

7.30 7.40 7.50

Time-->

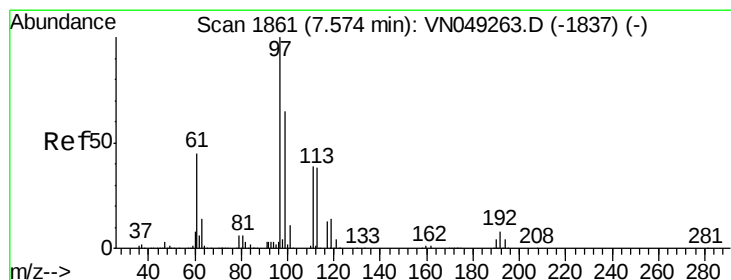
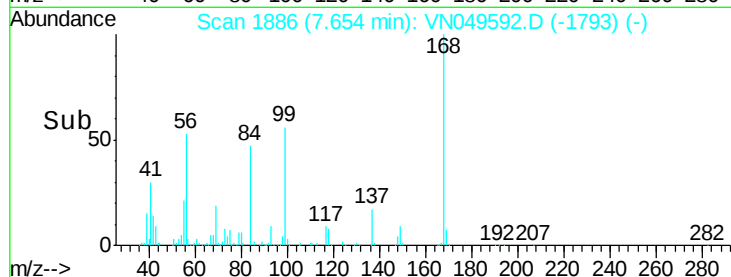
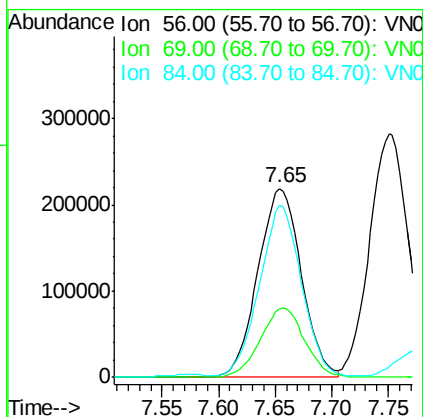
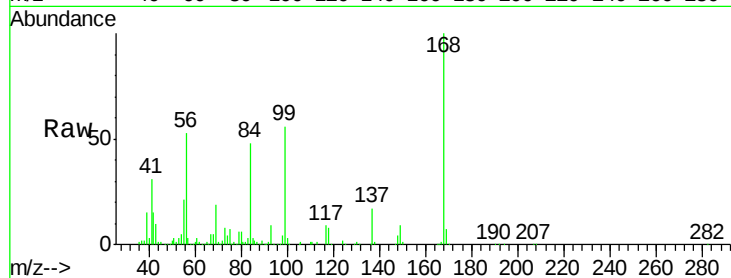




#31
Cyclohexane
Concen: 19.91 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

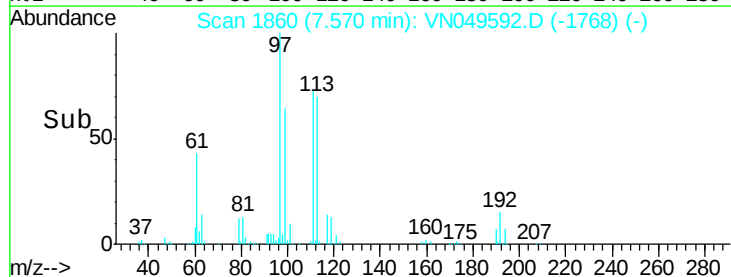
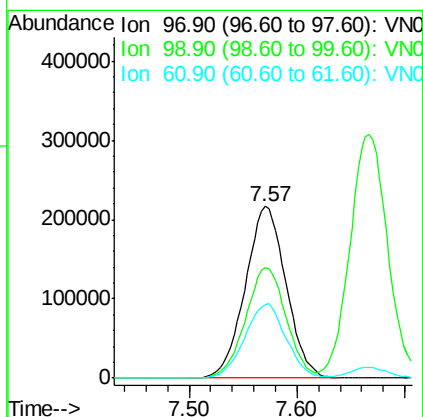
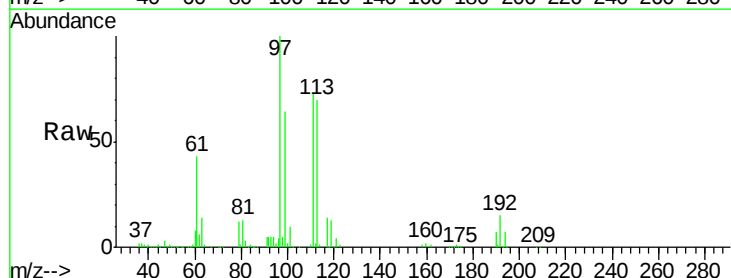
Instrument :
MSVOA_N
ClientSampled :

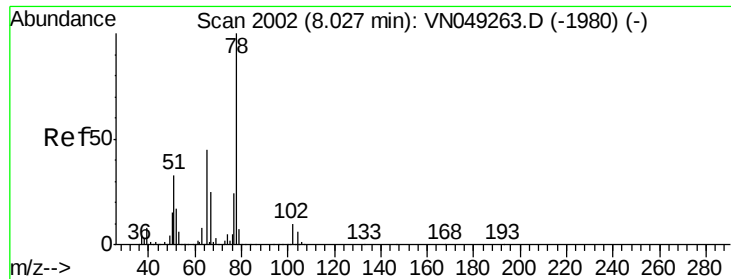
Tot Ion: 56 Resp: 582270
Ion Ratio Lower Upper
56 100
69 36.4 25.0 37.4
84 89.7 64.6 96.8



#32
1,1,1-Trichloroethane
Concen: 19.49 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion: 97 Resp: 568048
Ion Ratio Lower Upper
97 100
99 64.2 50.5 75.7
61 43.9 37.9 56.9

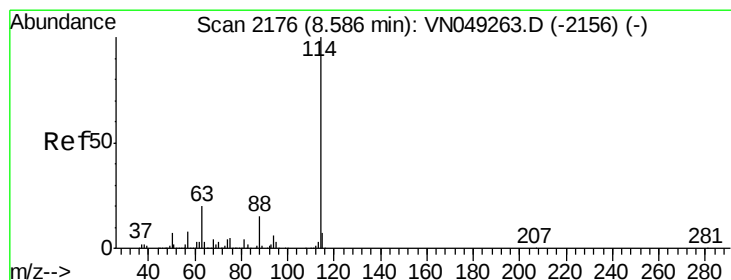
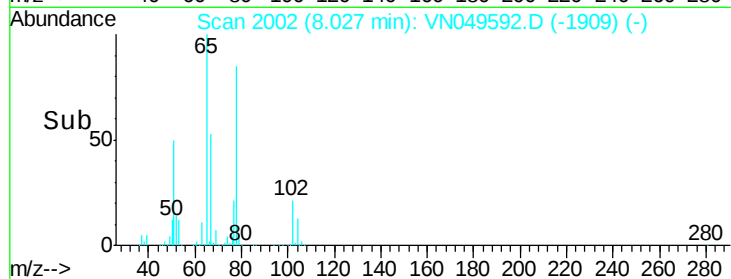
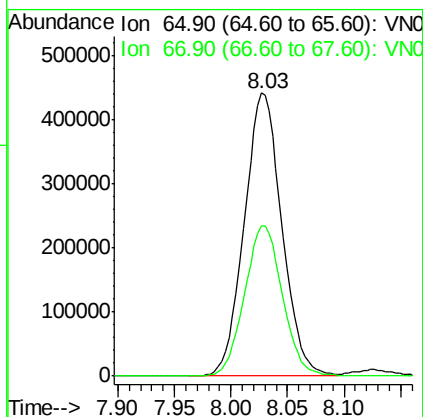
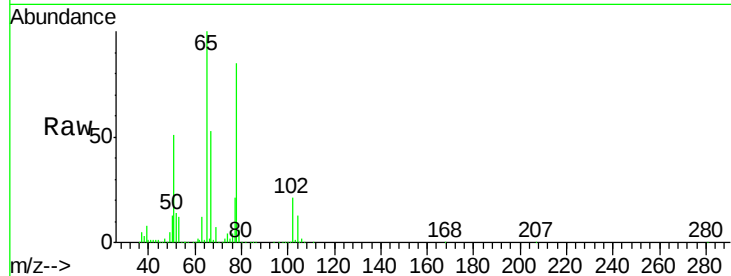




#33
 1,2-Dichloroethane-d4
 Concen: 51.97 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

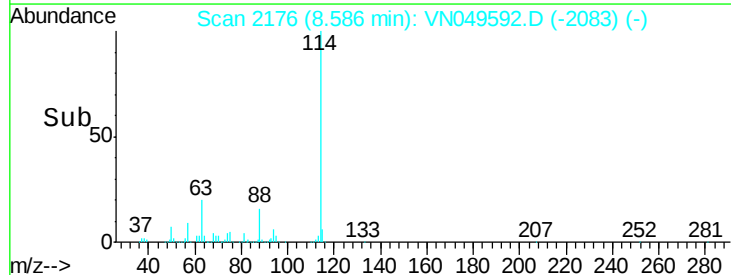
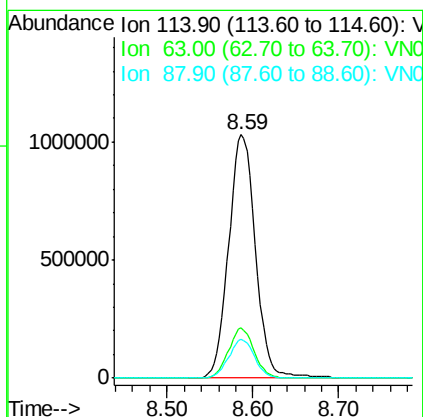
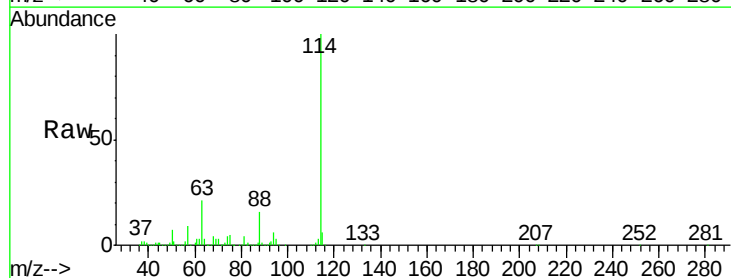
Instrument :
 MSVOA_N
 ClientSampleId :

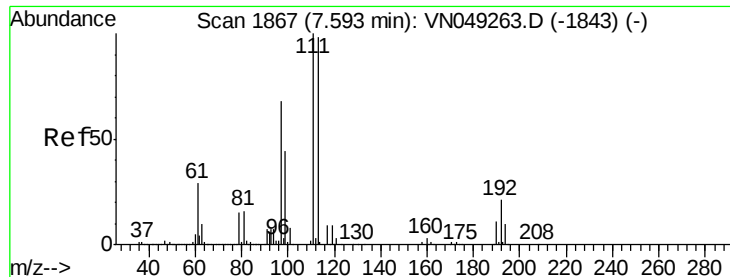
Tot Ion: 65 Resp: 1022473
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion: 114 Resp: 2237988
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 44.4
 88 15.8 0.0 31.4

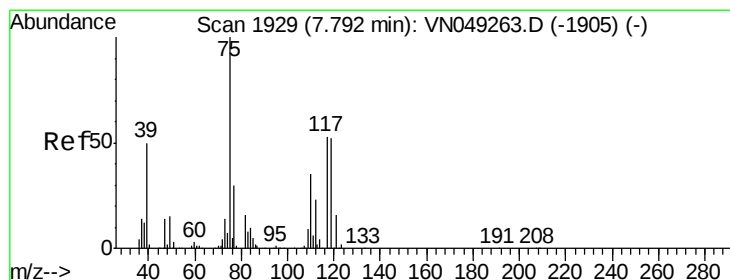
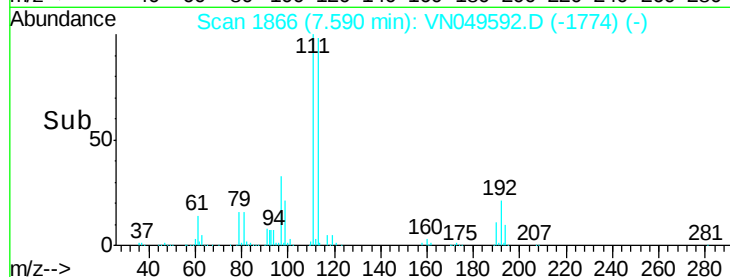
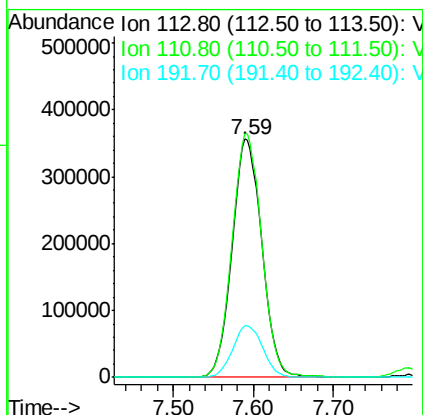
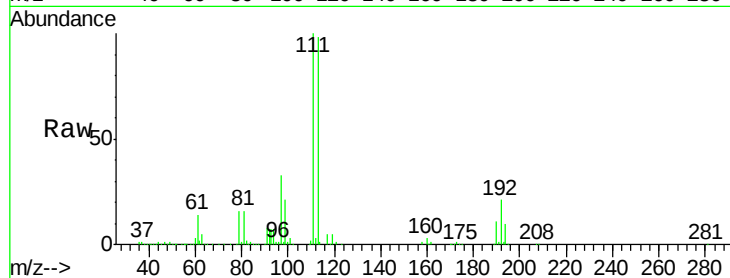




#35
Dibromofluoromethane
Concen: 49.54 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

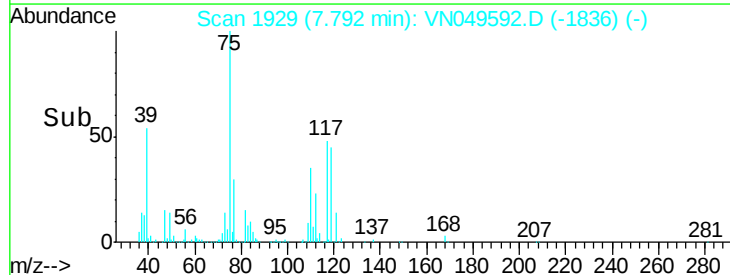
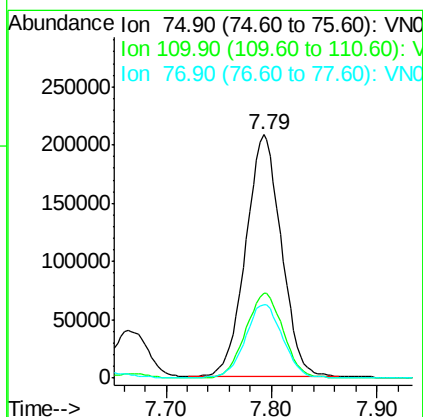
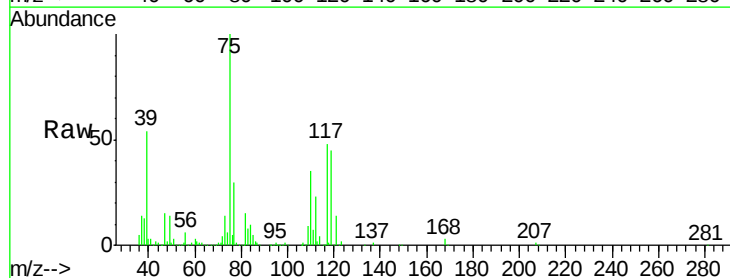
Instrument :
MSVOA_N
ClientSampleId :

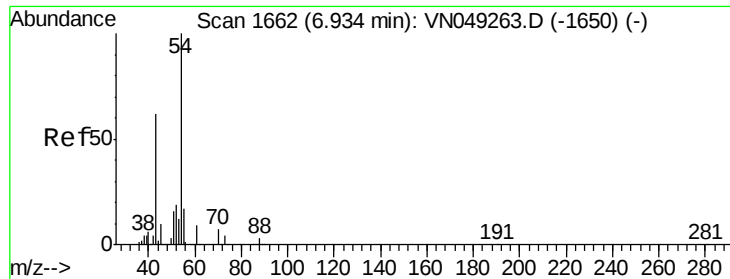
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	22.0	15.0	22.6



#36
1,1-Dichloropropene
Concen: 19.10 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	17.0	50.9
77	31.8	24.4	36.6

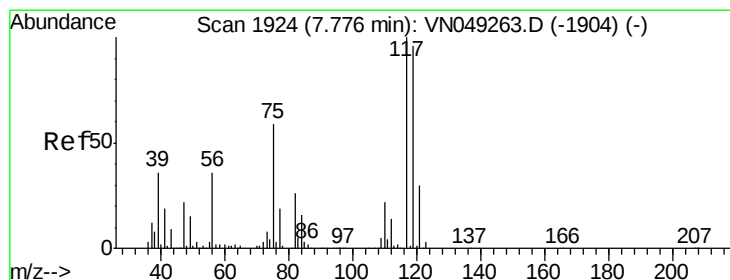
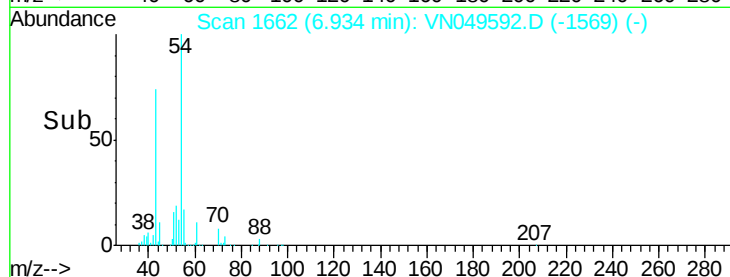
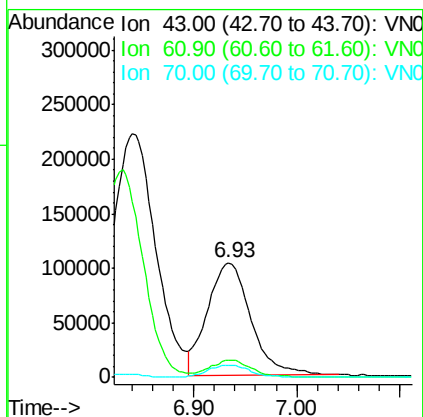
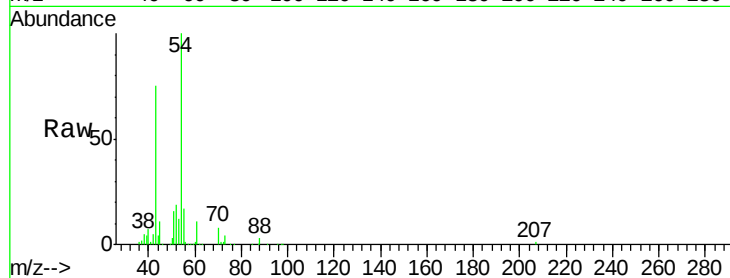




#37
Ethyl Acetate
Concen: 21.77 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

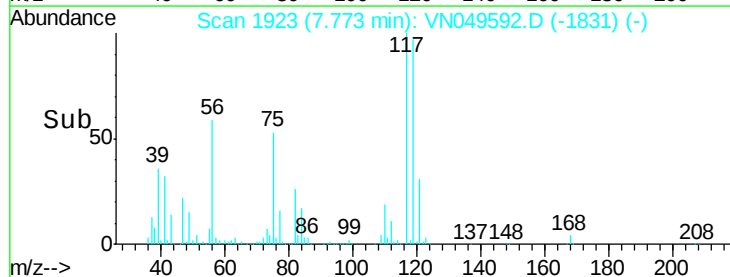
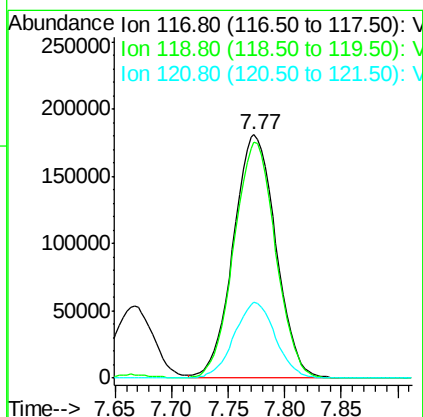
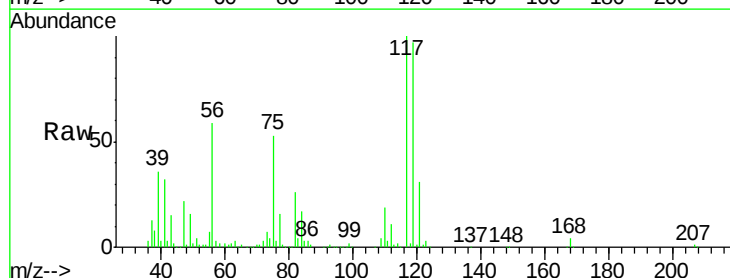
Instrument :
MSVOA_N
ClientSampled :

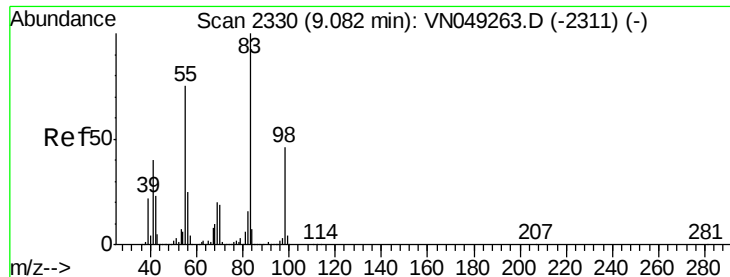
Tot Ion: 43 Resp: 303553
Ion Ratio Lower Upper
43 100
61 14.4 11.0 16.4
70 9.9 7.2 10.8



#38
Carbon Tetrachloride
Concen: 17.70 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion: 117 Resp: 470016
Ion Ratio Lower Upper
117 100
119 97.2 75.6 113.4
121 31.1 24.7 37.1

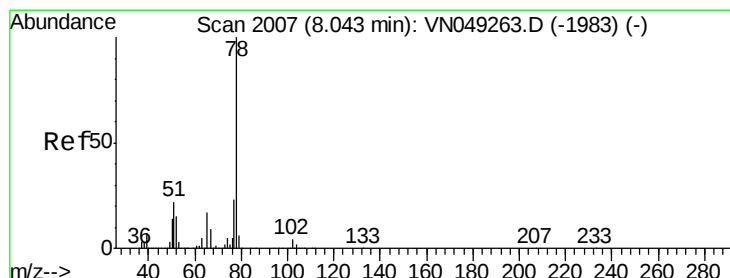
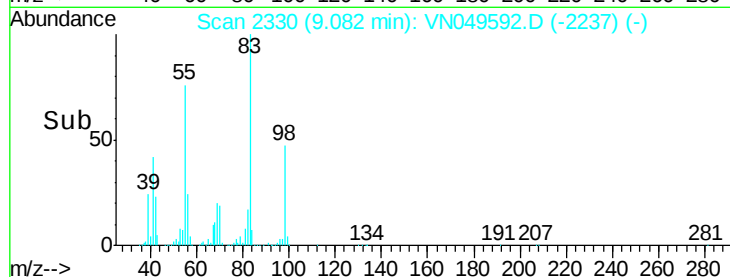
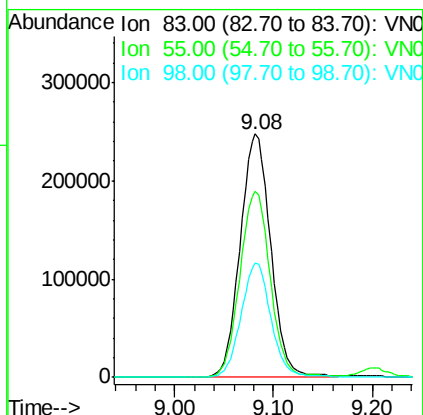
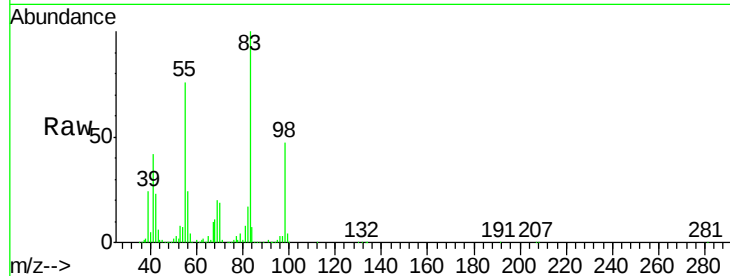




#39
Methvlcvclohexane
Concen: 19.24 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

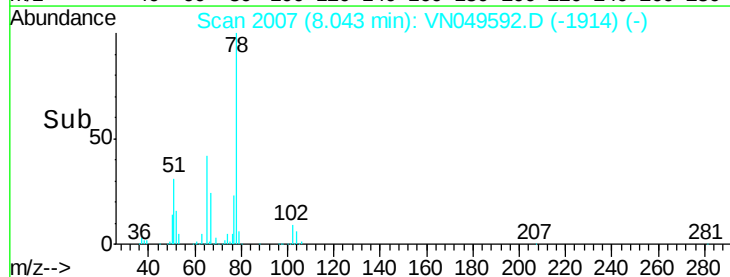
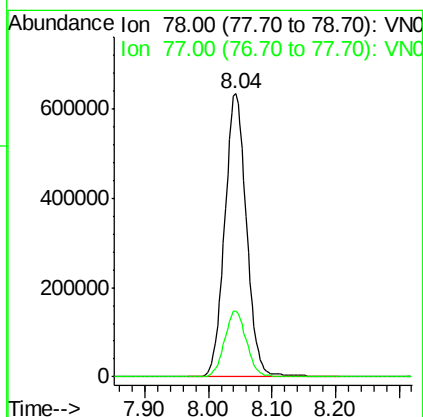
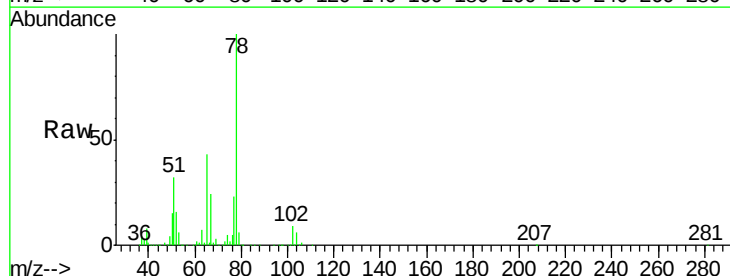
Instrument :
MSVOA_N
ClientSampleId :

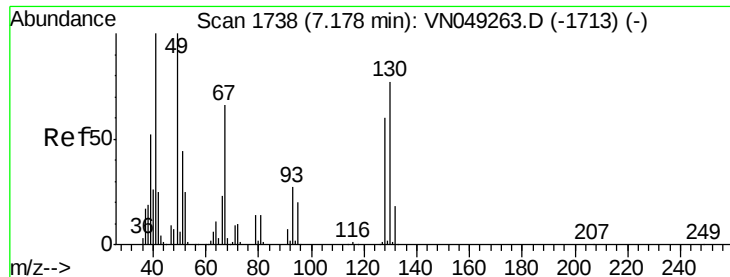
Tot Ion: 83 Resp: 529838
Ion Ratio Lower Upper
83 100
55 76.4 65.1 97.7
98 47.1 36.5 54.7



#40
Benzene
Concen: 19.18 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion: 78 Resp: 1508457
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.0

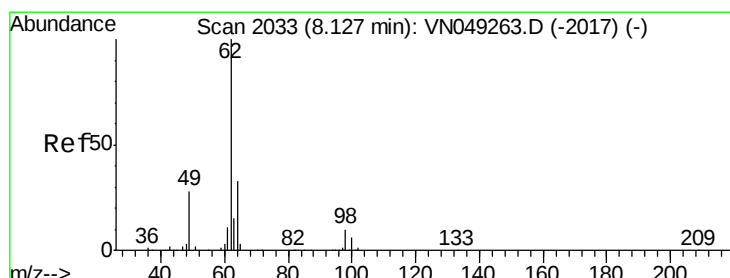
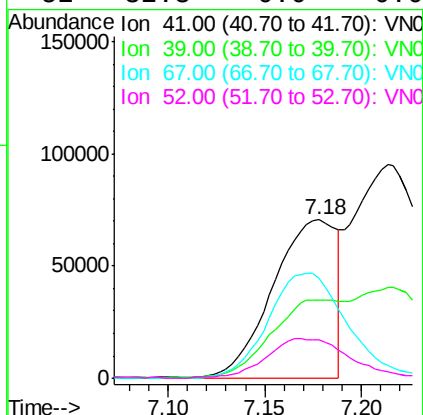
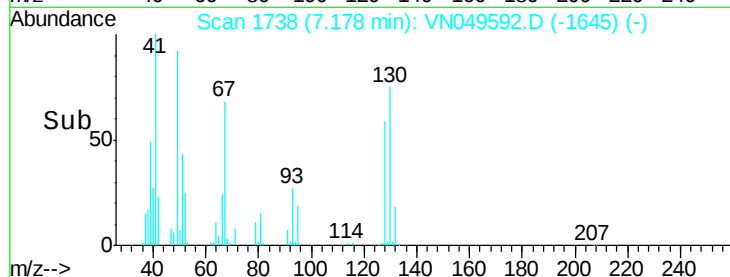
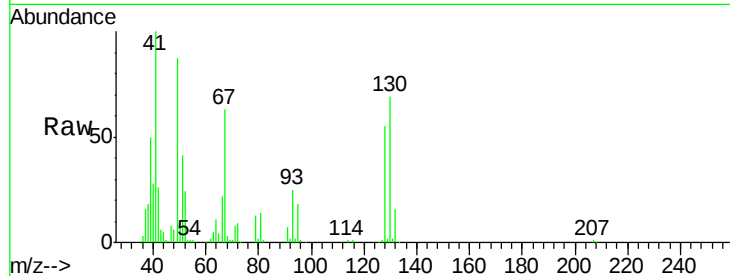




#41
Methacrylonitrile
Concen: 21.36 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

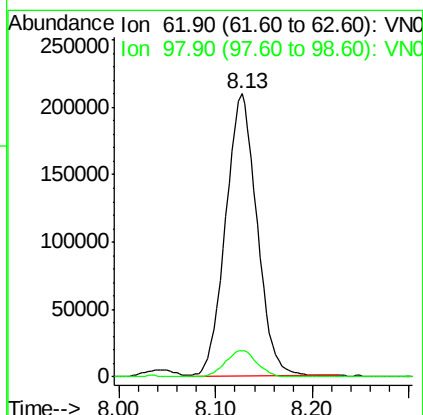
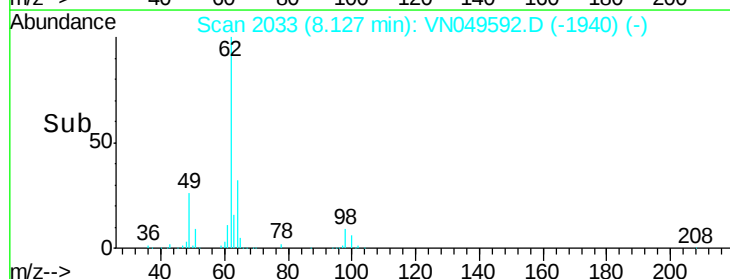
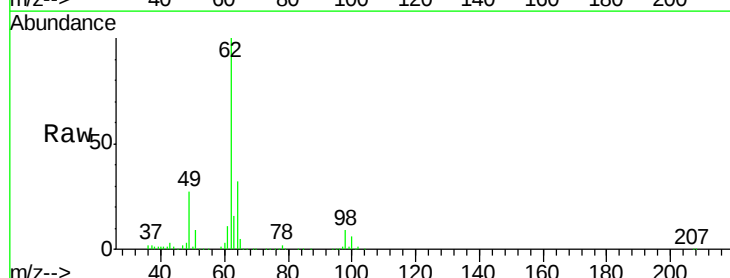
Instrument :
MSVOA_N
ClientSampleId :

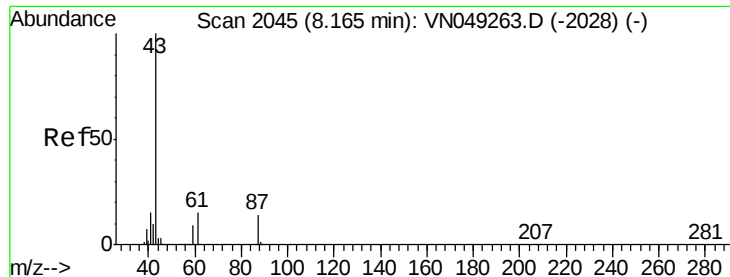
Tot Ion: 41 Resp: 161033
Ion Ratio Lower Upper
41 100
39 54.9 0.0 0.0#
67 83.1 0.0 0.0#
52 32.3 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.45 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion: 62 Resp: 472487
Ion Ratio Lower Upper
62 100
98 9.6 0.0 16.2



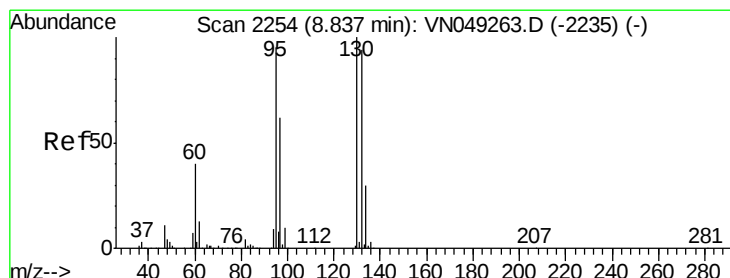
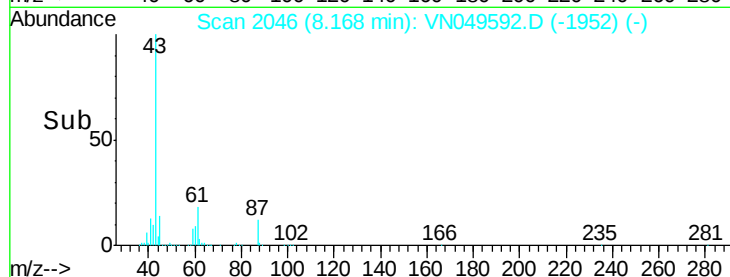
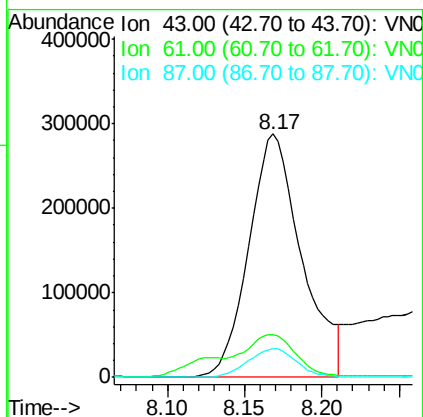
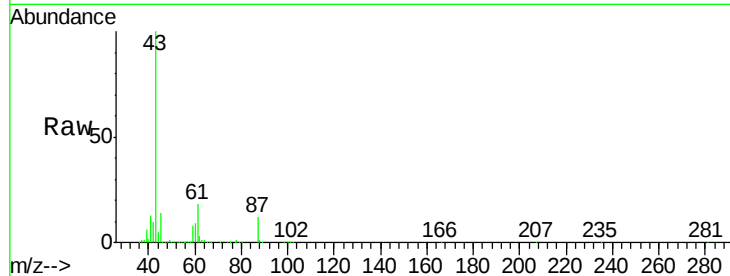


#43

Isopropyl Acetate
 Concen: 25.50 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :

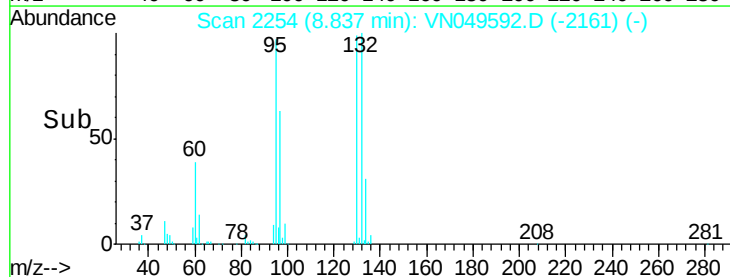
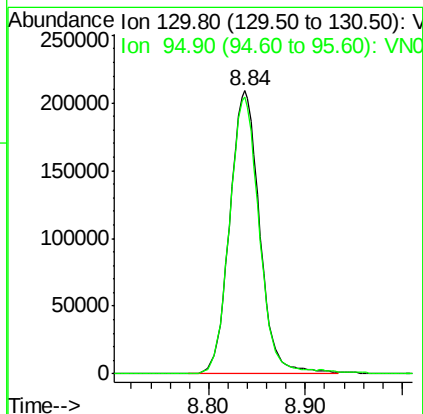
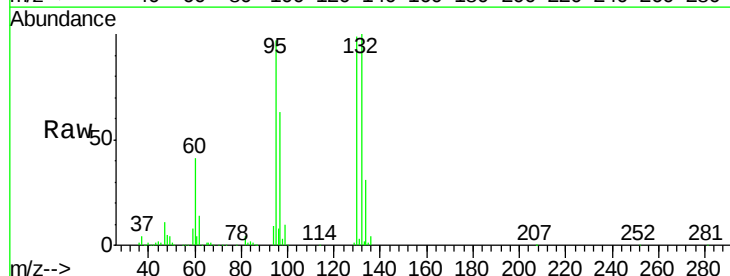
Tot Ion	43	Resp	679429
Ion Ratio	100		
Lower	14.2		
Upper	21.4		
61	15.6		
87	10.9		
	9.4		

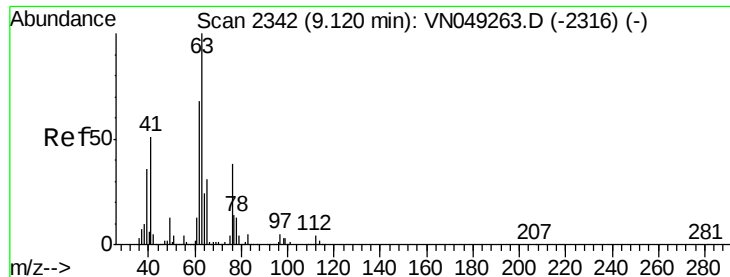


#44

Trichloroethene
 Concen: 21.53 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion	130	Resp	447078
Ion Ratio	100		
Lower	0.0		
Upper	208.6		
95	97.9		





#45

1,2-Dichloropropane

Concen: 19.24 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

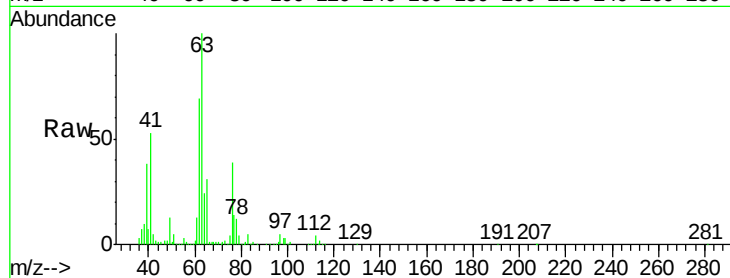
ClientSampled :

Tot Ion: 63 Resp: 396234

Ion Ratio Lower Upper

63 100

65 30.8 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN049592.D (-2249) (-)

Ion 64.90 (64.60 to 65.60): VN049592.D (-2249) (-)

9.12

200000

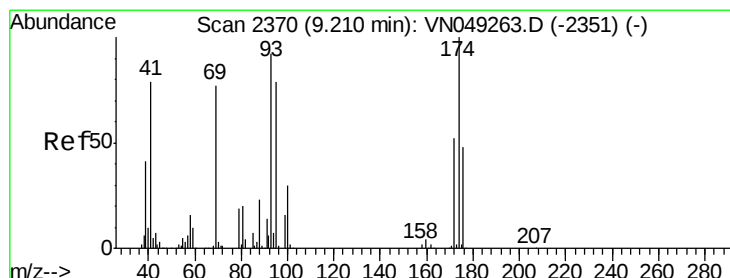
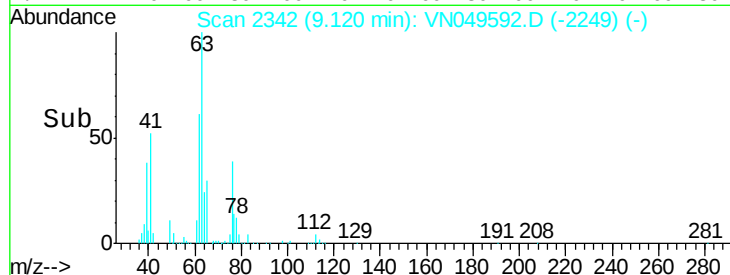
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 19.65 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

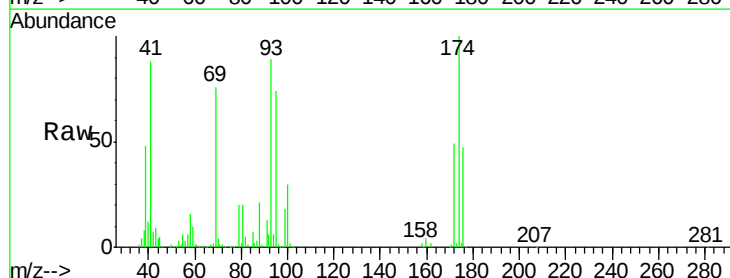
Tgt Ion: 93 Resp: 234606

Ion Ratio Lower Upper

93 100

95 84.0 67.2 100.8

174 112.8 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN049592.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN049592.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN049592.D (-2277) (-)

9.21

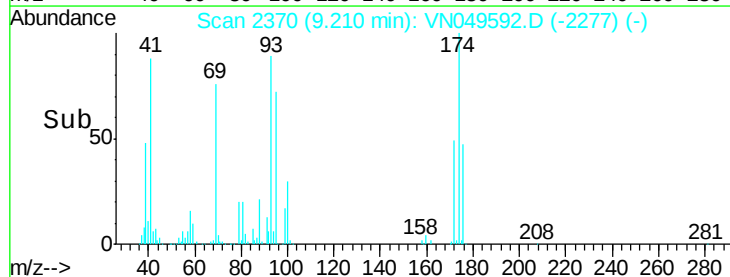
150000

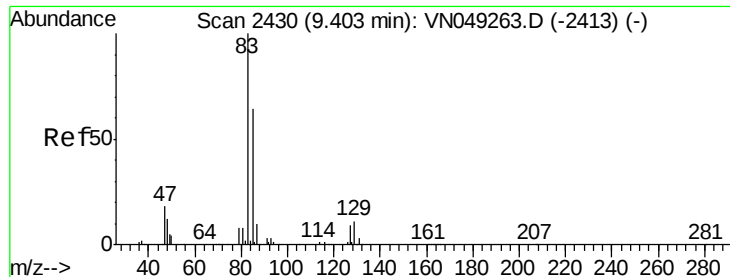
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 18.87 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :

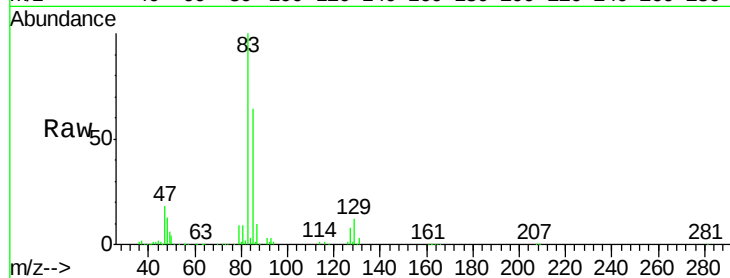
Tot Ion: 83 Resp: 494991

Ion Ratio Lower Upper

83 100

85 63.6 49.4 74.0

127 8.4 6.3 9.5

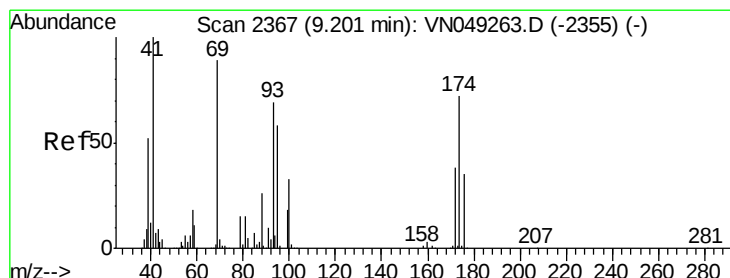
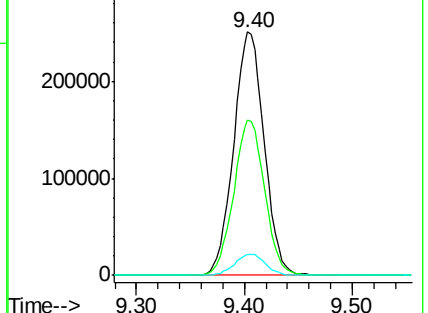
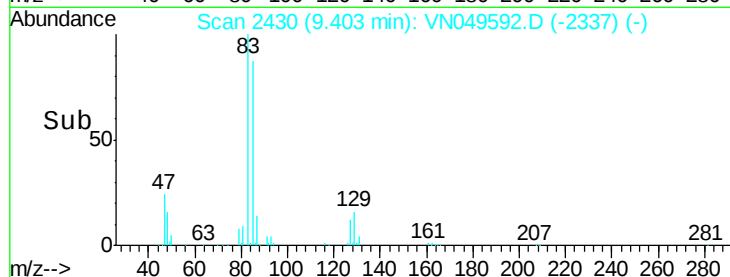


Abundance Ion 82.90 (82.60 to 83.60): VN049592.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049592.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049592.D (-2337) (-)

Time-->



#48

Methyl methacrylate

Concen: 21.54 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

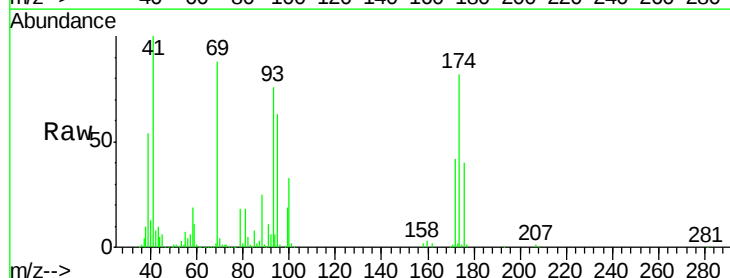
Tgt Ion: 41 Resp: 270235

Ion Ratio Lower Upper

41 100

69 87.3 62.0 93.0

39 53.7 50.6 75.8

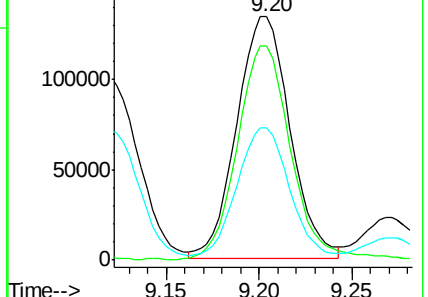
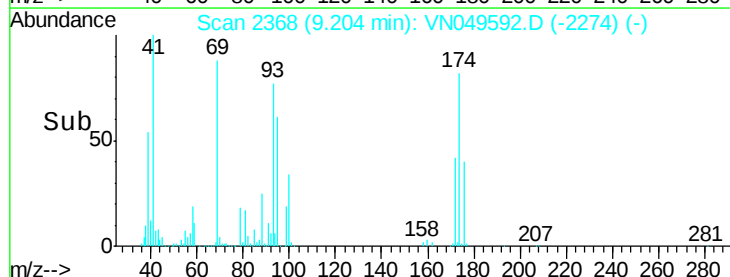


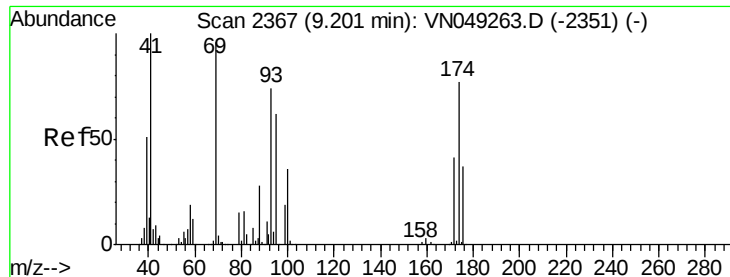
Abundance Ion 41.00 (40.70 to 41.70): VN049592.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049592.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049592.D (-2274) (-)

Time-->

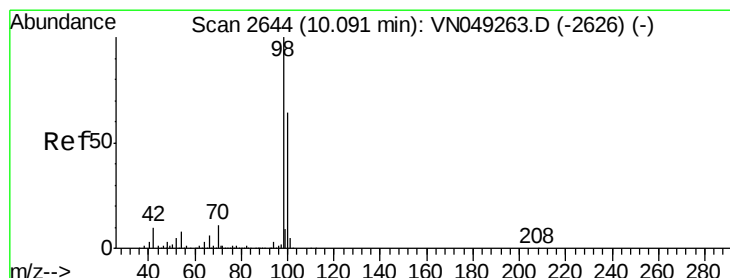
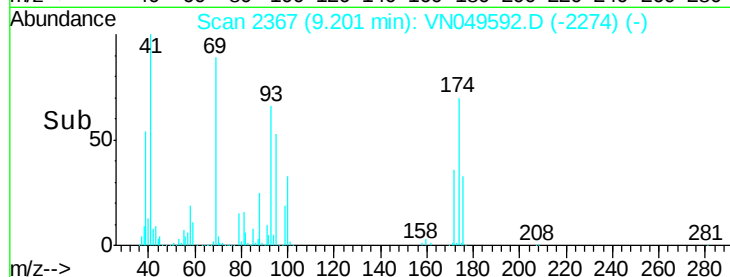
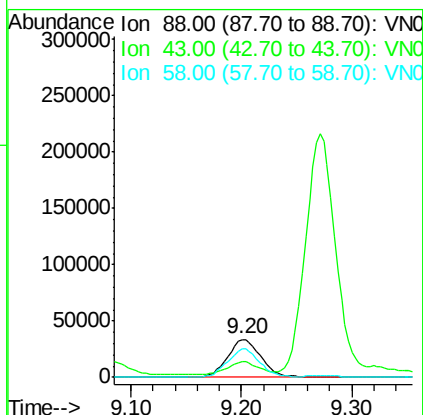
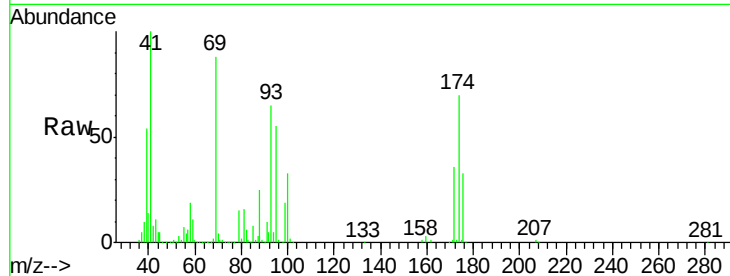




#49
1,4-Dioxane
Concen: 408.66 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

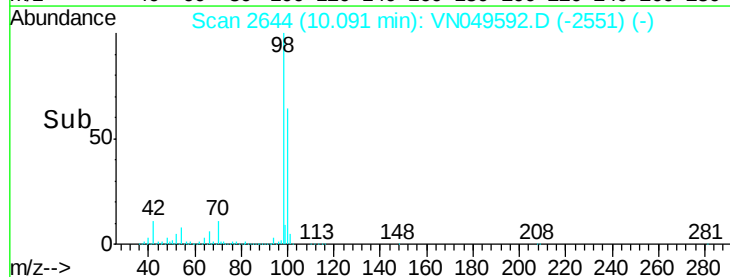
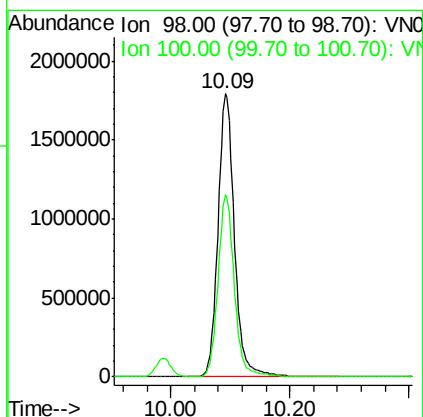
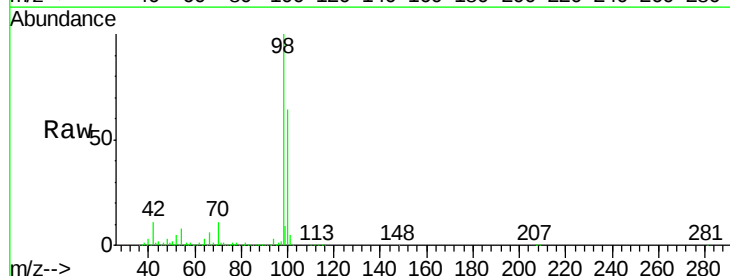
Instrument :
MSVOA_N
ClientSampled :

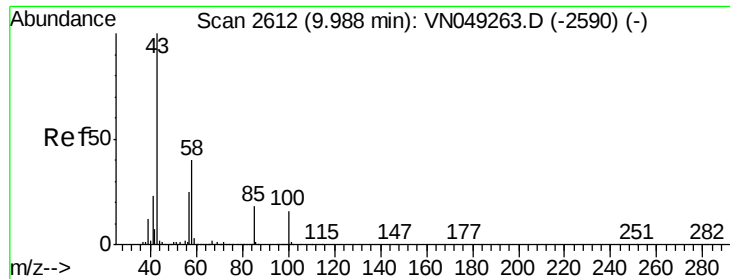
Tot Ion: 88 Resp: 70763
Ion Ratio Lower Upper
88 100
43 32.6 30.9 46.3
58 73.1 58.9 88.3



#50
Toluene-d8
Concen: 49.55 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion: 98 Resp: 3415789
Ion Ratio Lower Upper
98 100
100 64.1 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 106.10 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

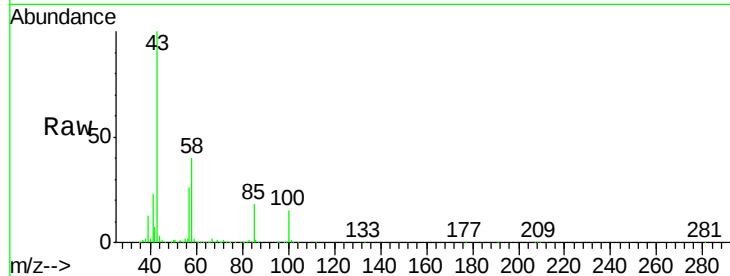
ClientSampled :

Tot Ion: 43 Resp: 1481460

Ion Ratio Lower Upper

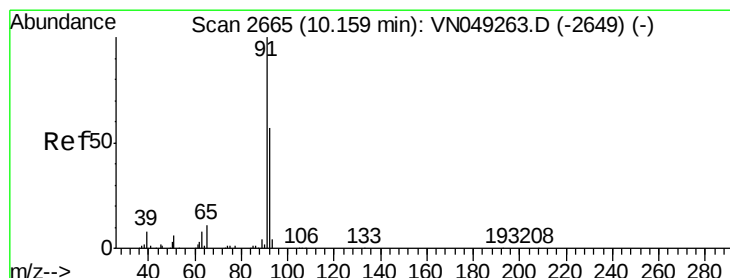
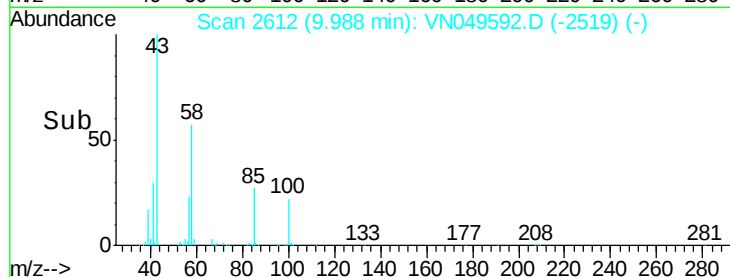
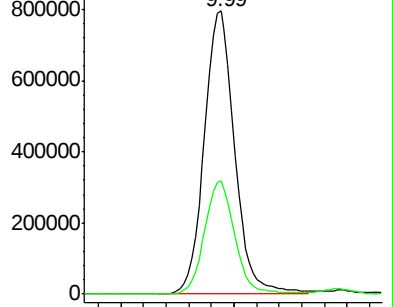
43 100

58 40.0 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)



#52

Toluene

Concen: 19.87 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049592.D

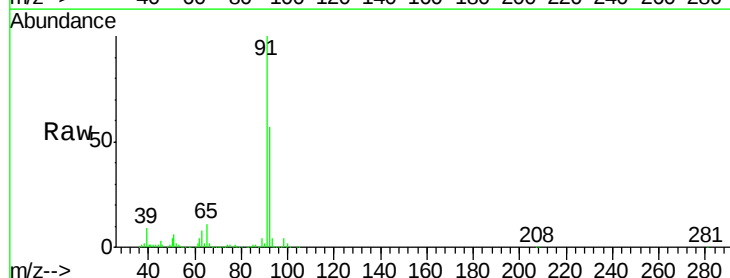
Acq: 28 Jun 2018 16:16

Tgt Ion: 92 Resp: 917018

Ion Ratio Lower Upper

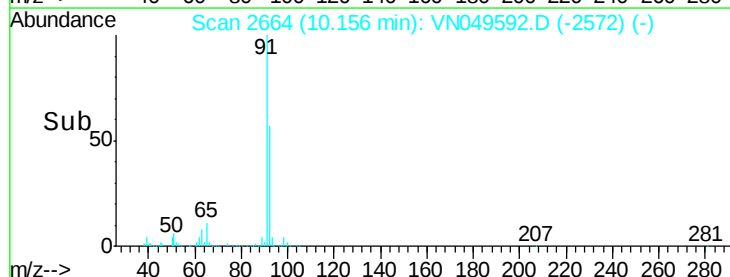
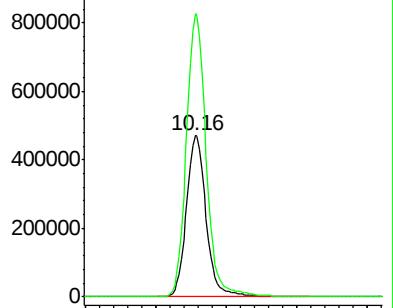
92 100

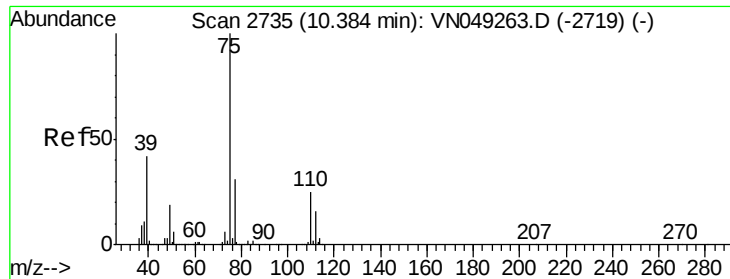
91 176.0 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049263.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049263.D (-2649) (-)





#53

t-1,3-Dichloropropene

Concen: 18.75 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

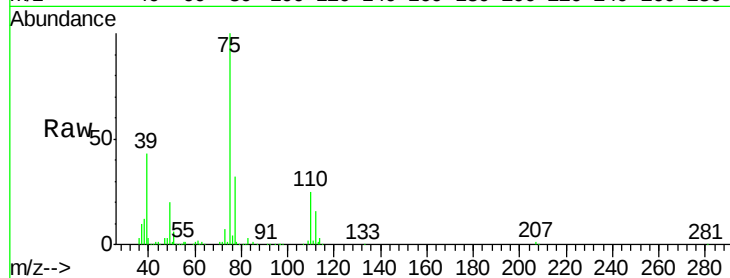
ClientSampled :

Tot Ion: 75 Resp: 470503

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

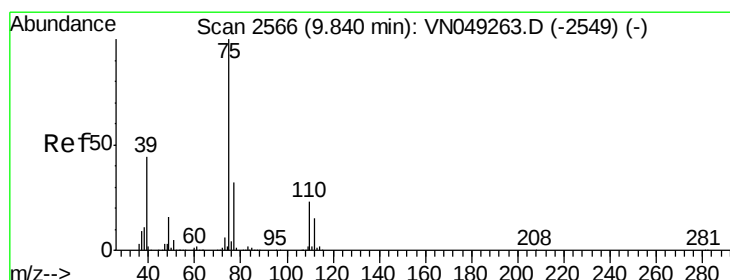
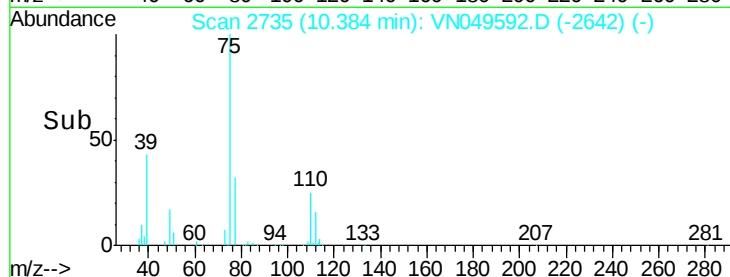
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.58 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

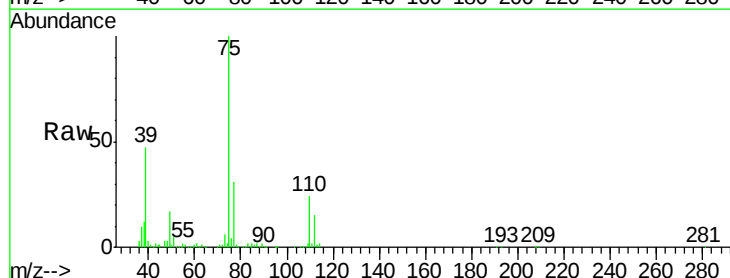
Tgt Ion: 75 Resp: 550489

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 46.4 45.1 67.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

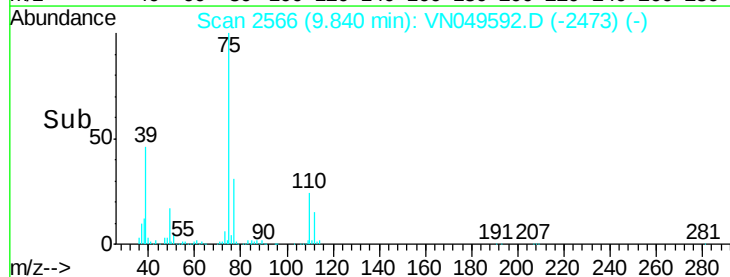
300000

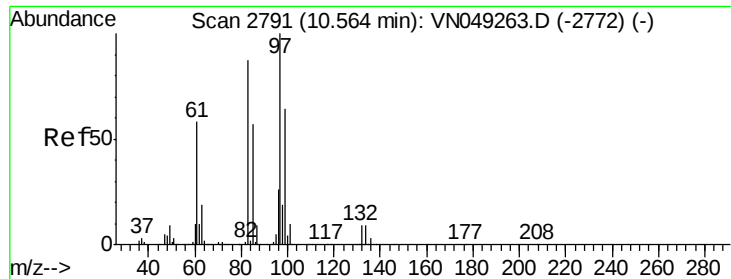
200000

100000

0

Time-->

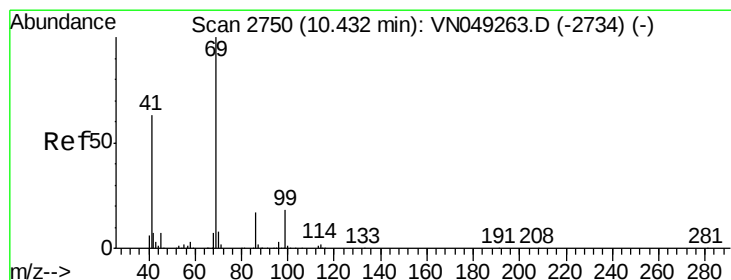
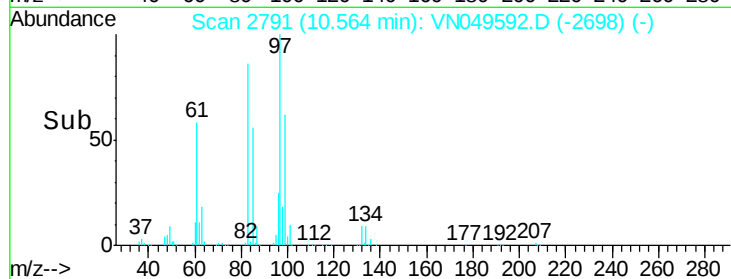
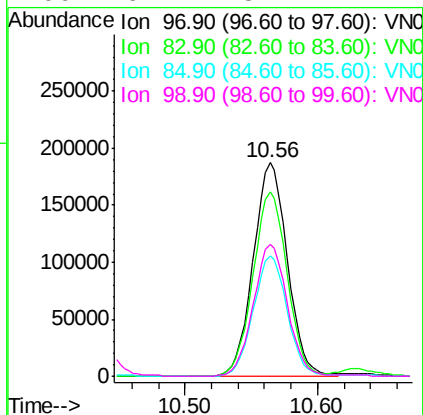
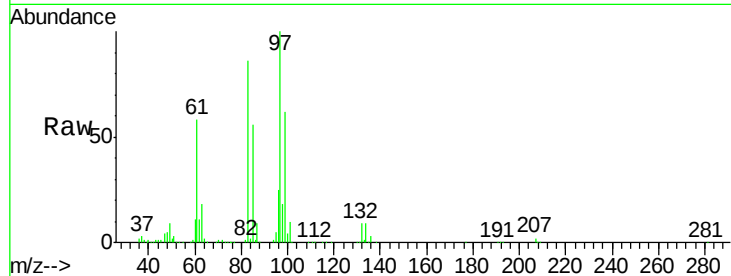




#55
 1,1,2-Trichloroethane
 Concen: 19.47 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

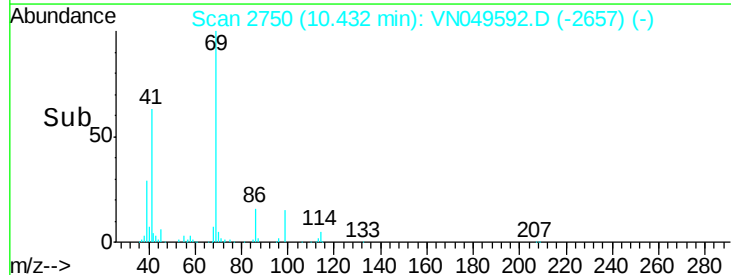
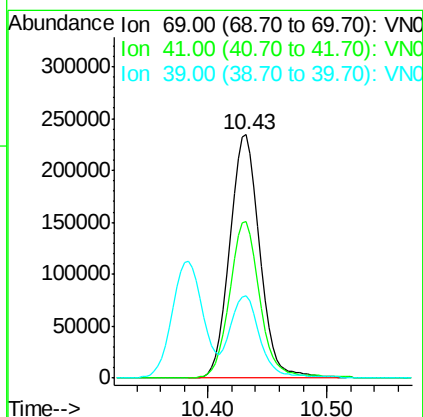
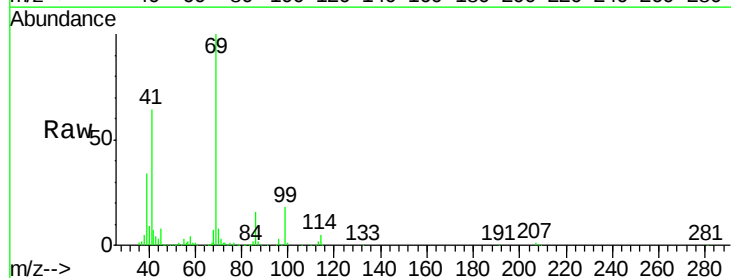
Instrument :
 MSVOA_N
 ClientSampled :

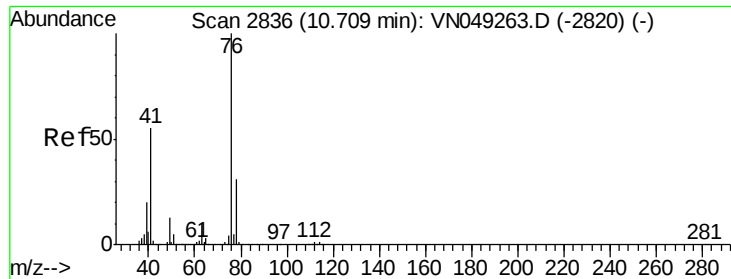
Tot Ion: 97 Resp: 334949
 Ion Ratio Lower Upper
 97 100
 83 86.3 71.5 107.3
 85 56.2 47.0 70.4
 99 61.7 51.4 77.2



#56
 Ethyl methacrylate
 Concen: 20.69 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion: 69 Resp: 410704
 Ion Ratio Lower Upper
 69 100
 41 63.3 58.4 87.6
 39 33.1 35.5 53.3#

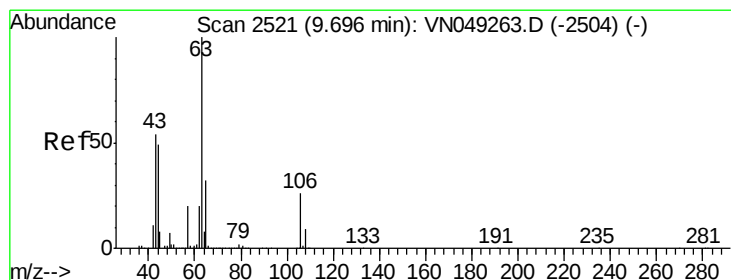
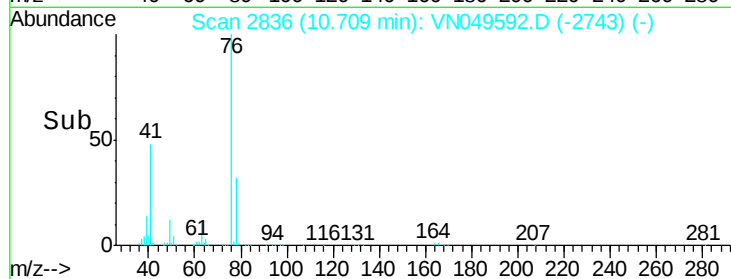
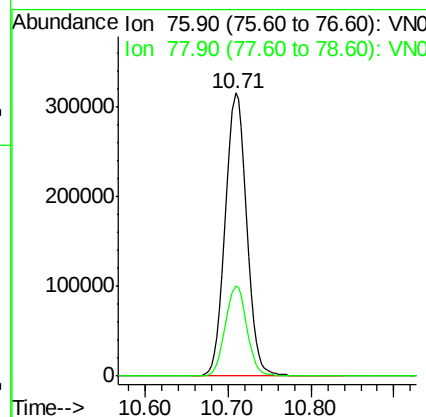
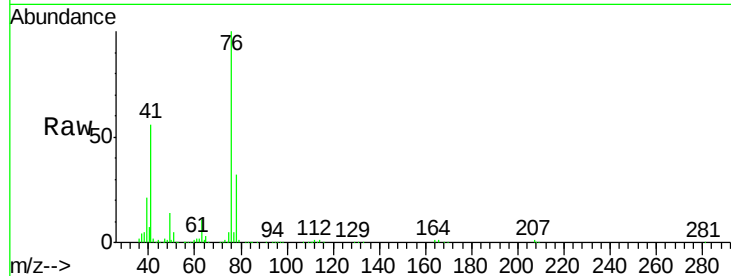




#57
 1,3-Dichloropropane
 Concen: 19.79 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

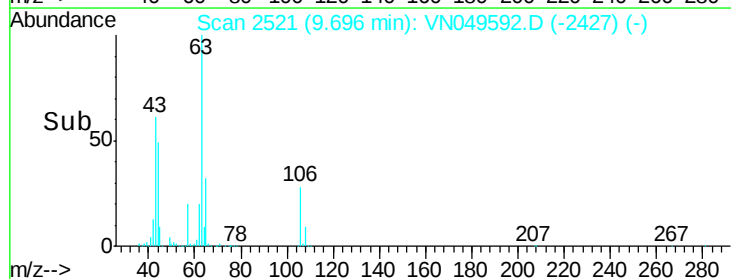
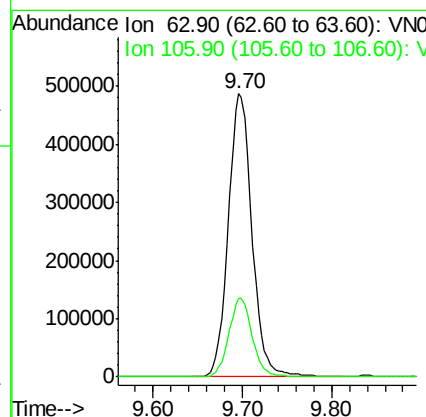
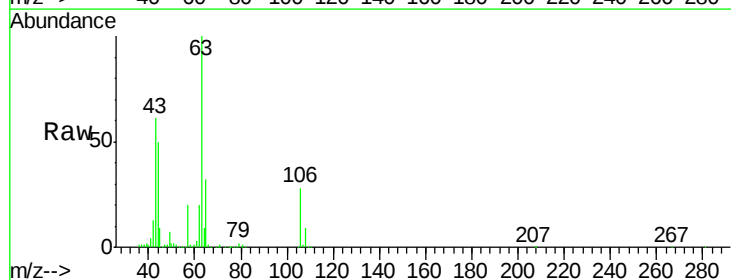
Instrument :
 MSVOA_N
 ClientSampleId :

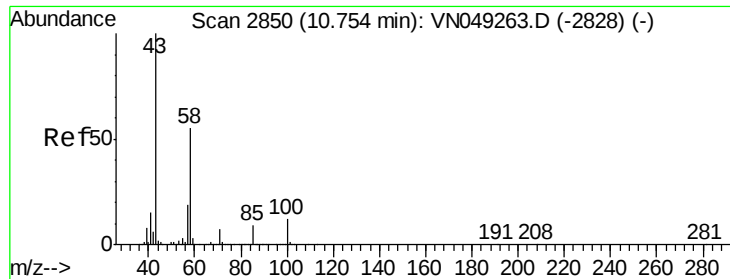
Tot Ion: 76 Resp: 564080
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 133.14 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion: 63 Resp: 894398
 Ion Ratio Lower Upper
 63 100
 106 27.3 19.4 29.2

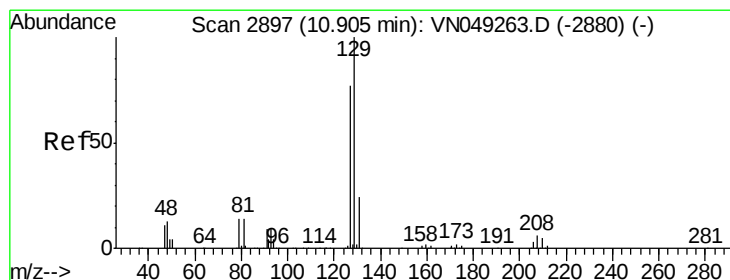
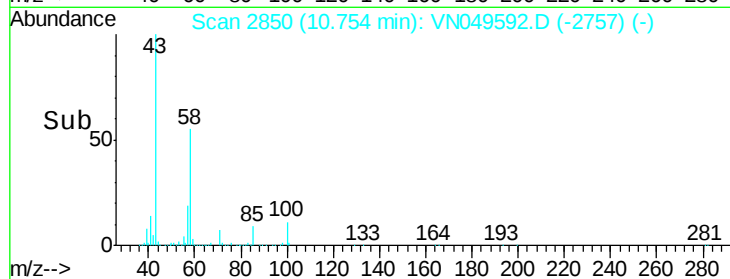
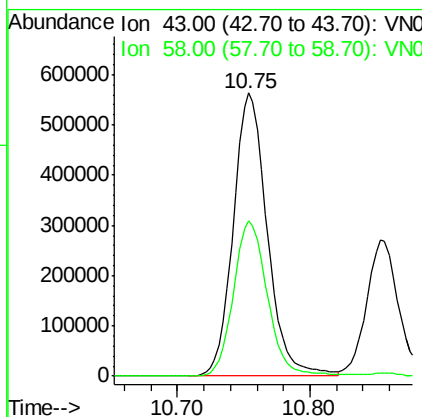
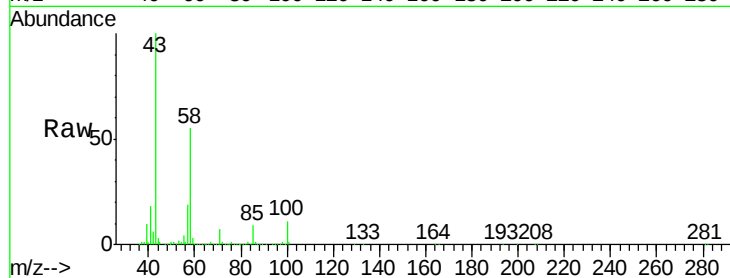




#59
2-Hexanone
Concen: 110.66 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

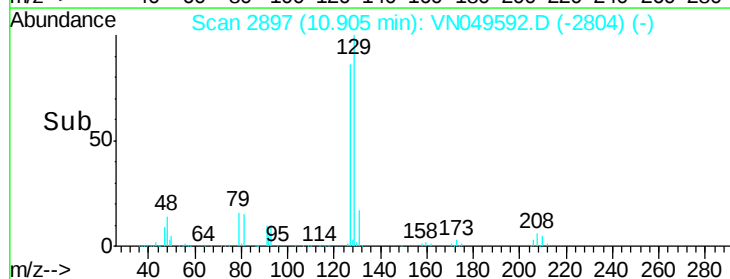
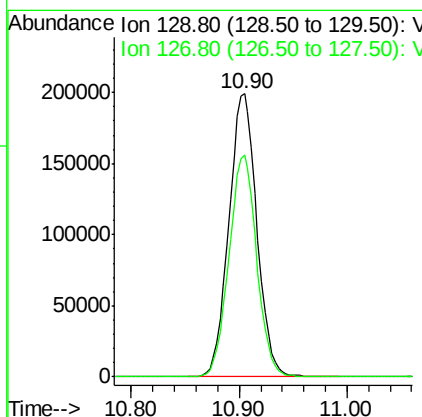
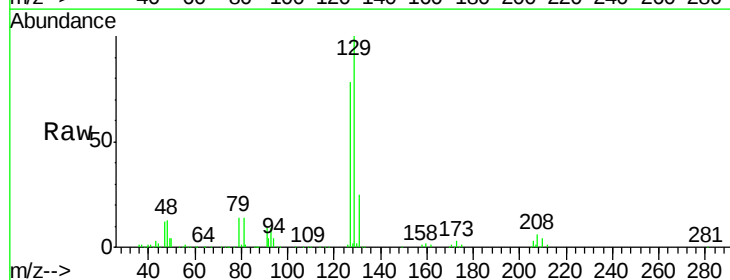
Instrument :
MSVOA_N
ClientSampleId :

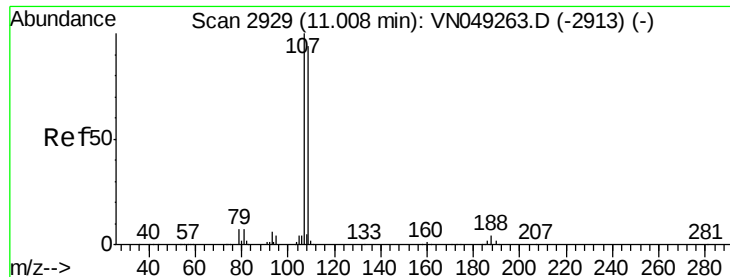
Tot Ion: 43 Resp: 996179
Ion Ratio Lower Upper
43 100
58 55.2 25.2 75.6



#60
Dibromochloromethane
Concen: 18.74 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion: 129 Resp: 359912
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.66 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

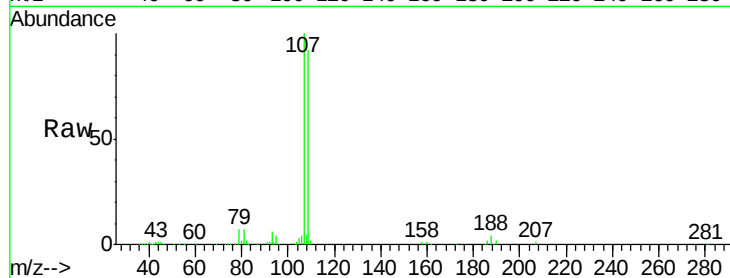
ClientSampleId :

Tot Ion:107 Resp: 330465

Ion Ratio Lower Upper

107 100

109 93.0 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

150000

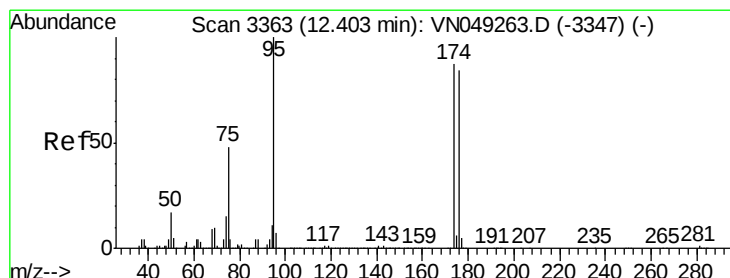
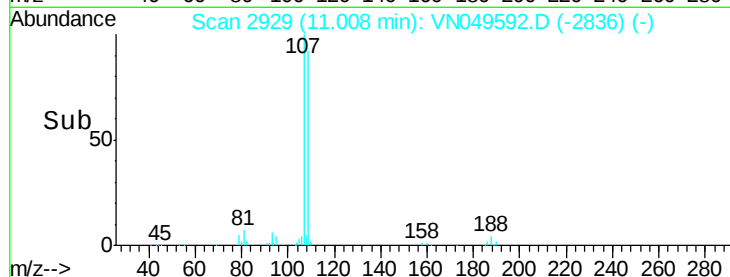
100000

50000

0

Time-->

10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.66 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

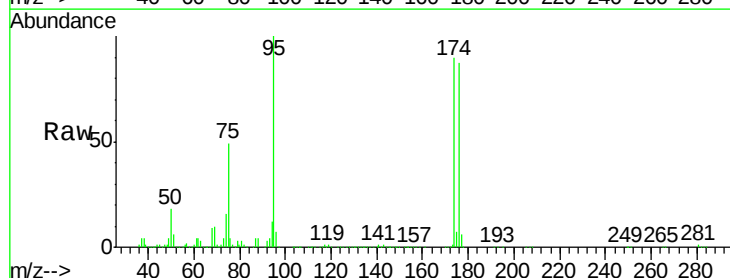
Tgt Ion: 95 Resp: 1154934

Ion Ratio Lower Upper

95 100

174 89.5 0.0 165.6

176 87.0 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

800000

600000

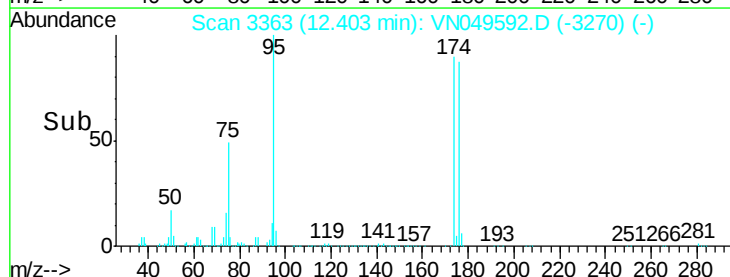
400000

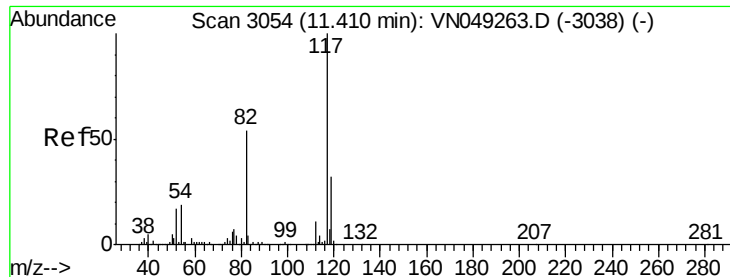
200000

0

Time-->

12.30 12.40 12.50

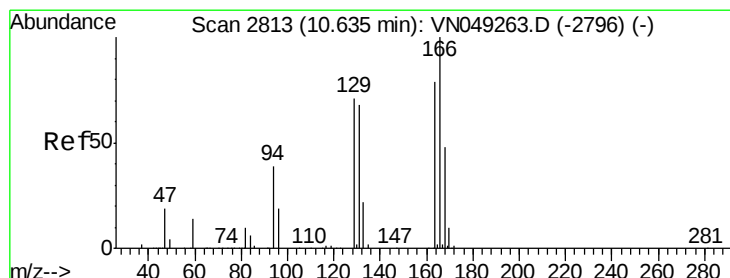
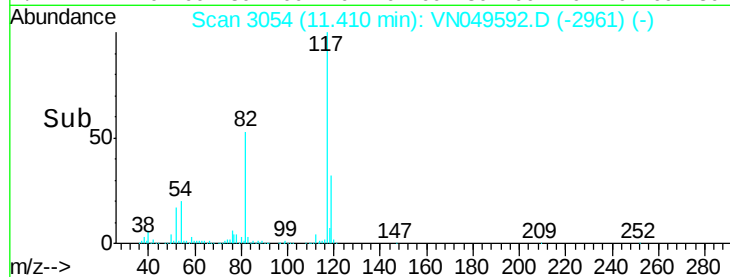
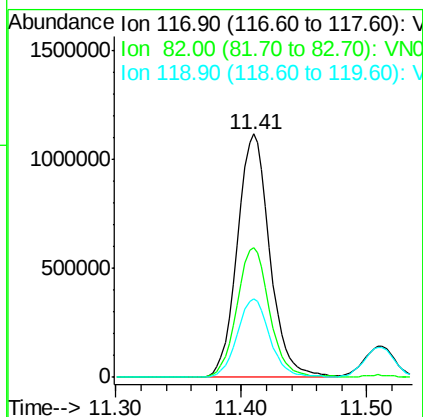
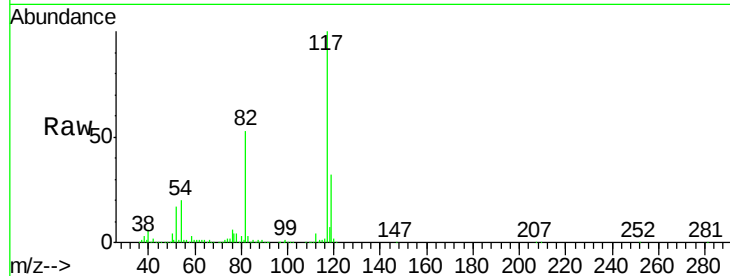




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

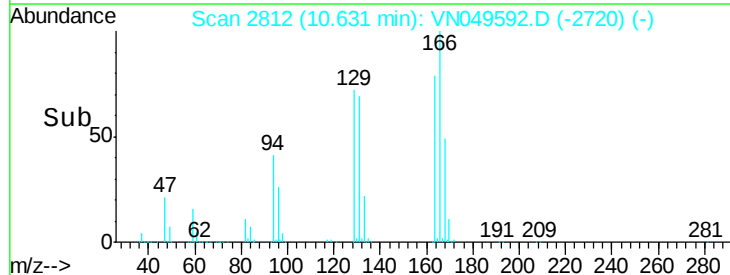
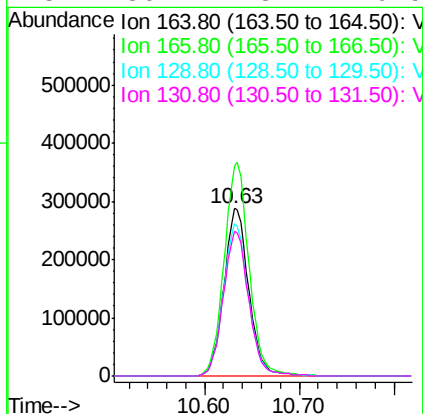
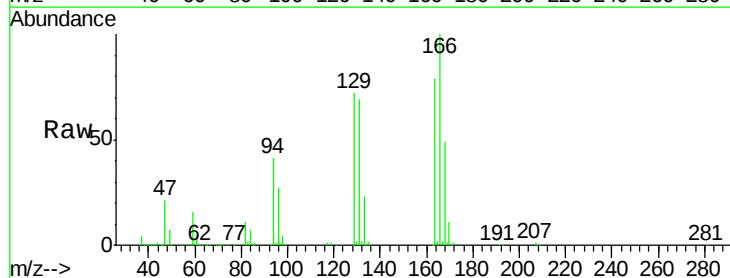
Instrument :
MSVOA_N
ClientSampled :

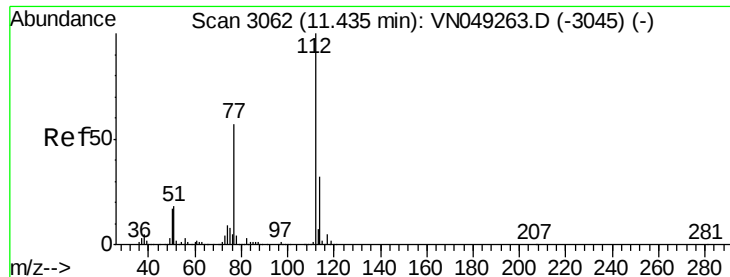
Tot Ion:117 Resp: 2014768
Ion Ratio Lower Upper
117 100
82 53.4 45.9 68.9
119 32.5 25.5 38.3



#64
Tetrachloroethene
Concen: 25.45 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion:164 Resp: 525420
Ion Ratio Lower Upper
164 100
166 125.9 101.4 152.2
129 90.8 74.1 111.1
131 86.2 73.7 110.5





#65

Chlorobenzene

Concen: 19.17 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

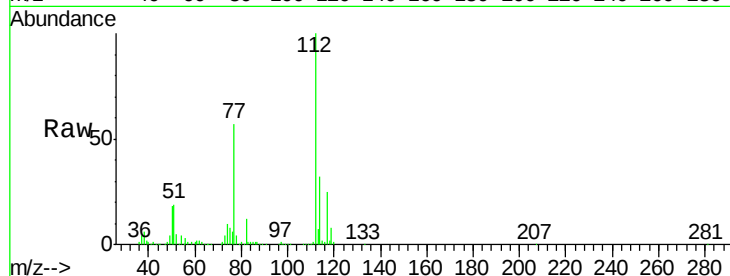
ClientSampleId :

Tot Ion:112 Resp: 994927

Ion Ratio Lower Upper

112 100

114 32.1 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

600000

500000

400000

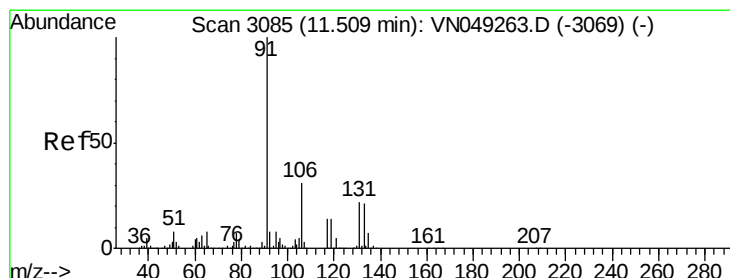
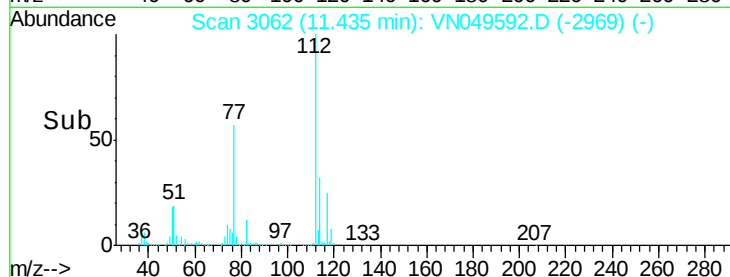
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.42 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

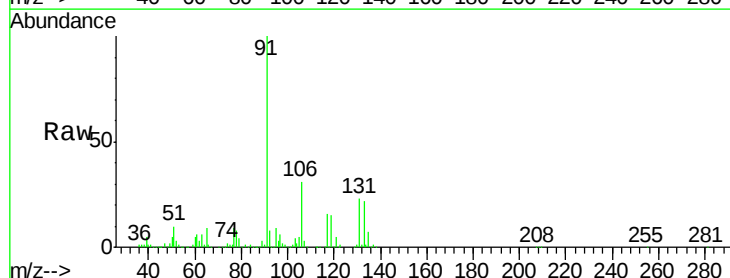
Tgt Ion:131 Resp: 359782

Ion Ratio Lower Upper

131 100

133 94.9 48.0 144.2

119 65.8 33.6 100.8



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

500000

400000

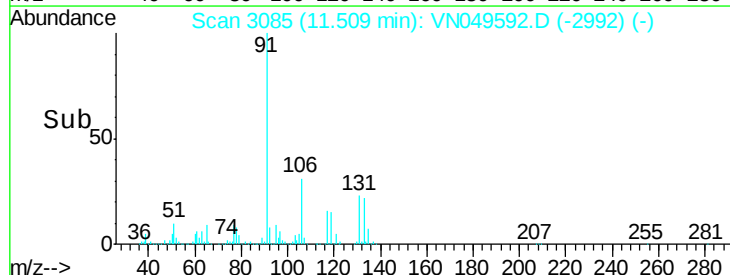
300000

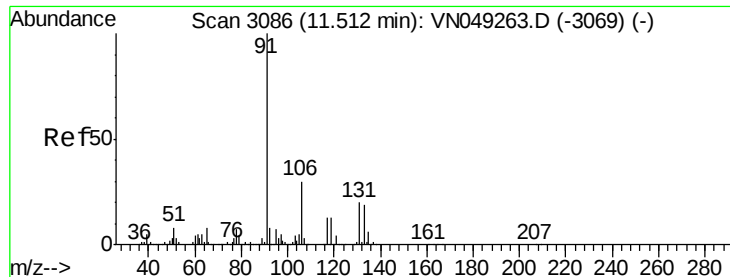
200000

100000

0

Time-->

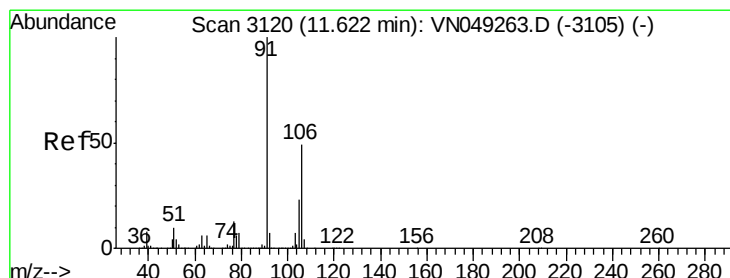
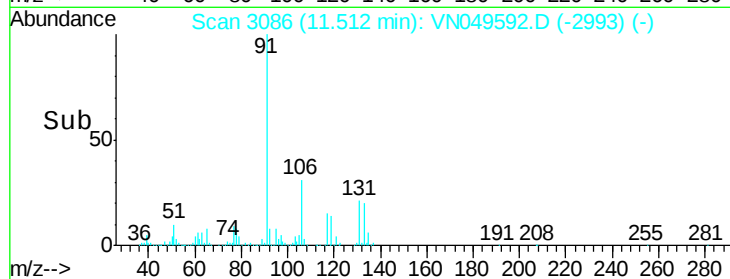
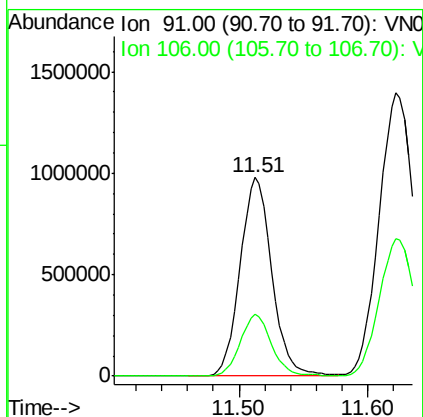
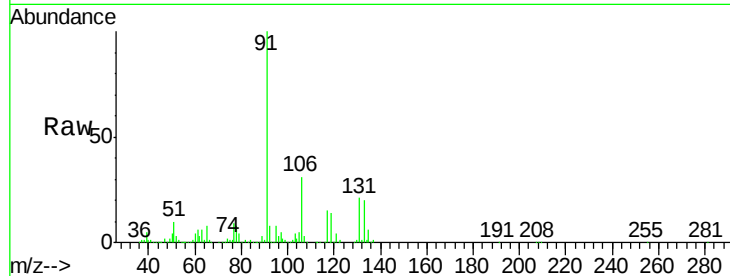




#67
Ethyl Benzene
Concen: 19.49 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

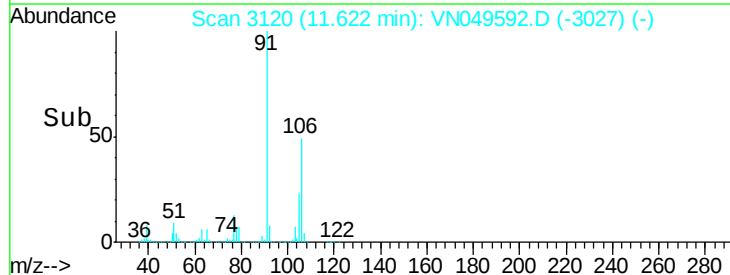
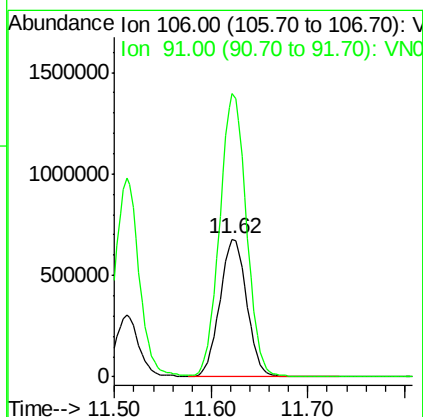
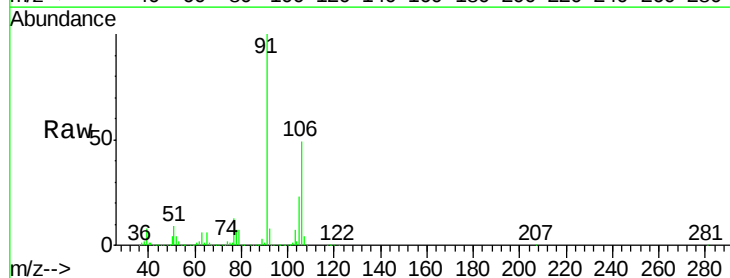
Instrument :
MSVOA_N
ClientSampled :

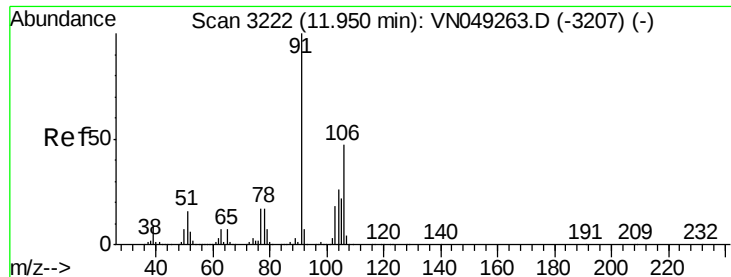
Tot Ion: 91 Resp: 1677859
Ion Ratio Lower Upper
91 100
106 30.9 23.9 35.9



#68
m/p-Xylenes
Concen: 40.66 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion: 106 Resp: 1313528
Ion Ratio Lower Upper
106 100
91 204.5 167.3 250.9

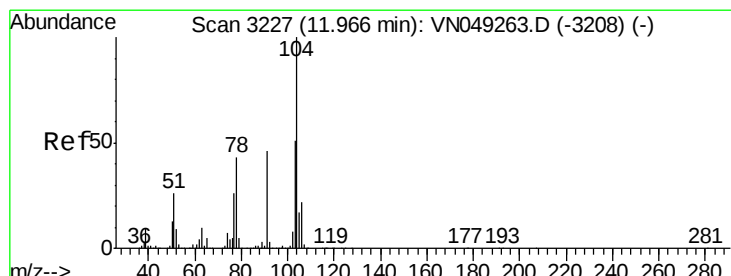
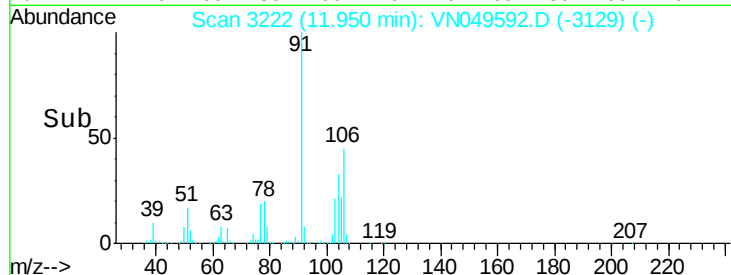
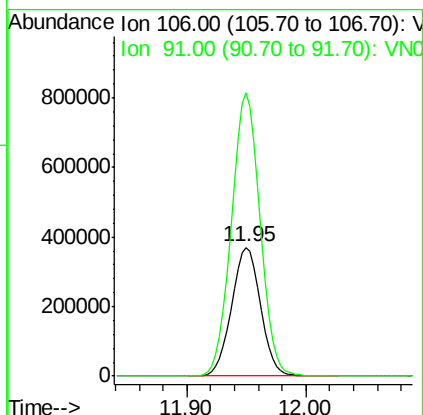
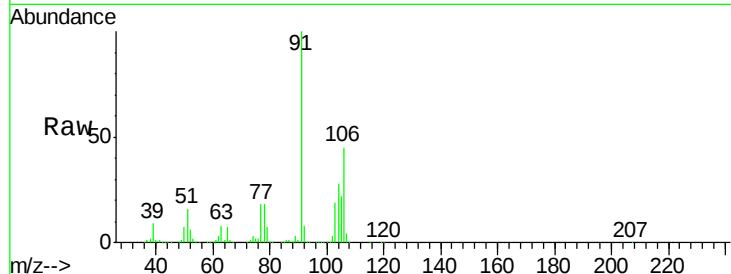




#69
o-Xylene
Concen: 20.01 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

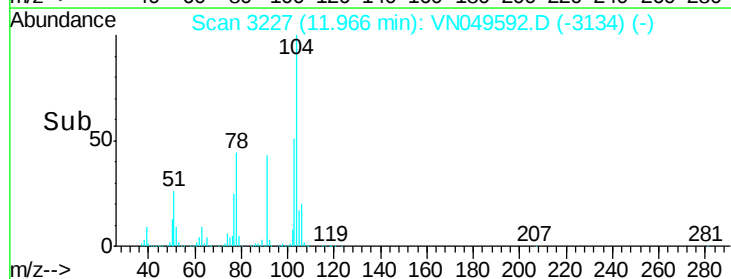
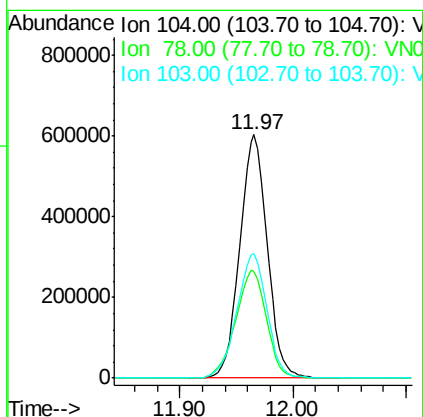
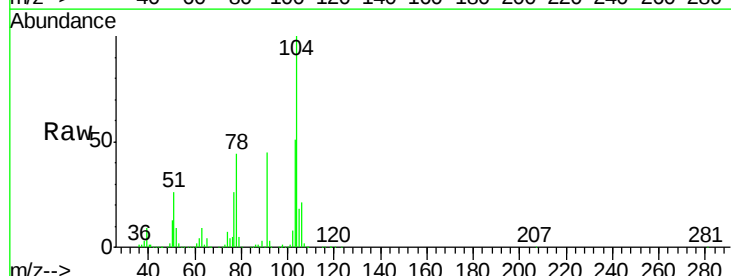
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 622727
Ion Ratio Lower Upper
106 100
91 217.8 111.0 333.0



#70
Styrene
Concen: 20.79 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion:104 Resp: 1020611
Ion Ratio Lower Upper
104 100
78 49.7 41.6 62.4
103 56.0 45.4 68.2





#71

Bromoform

Concen: 18.88 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampled :

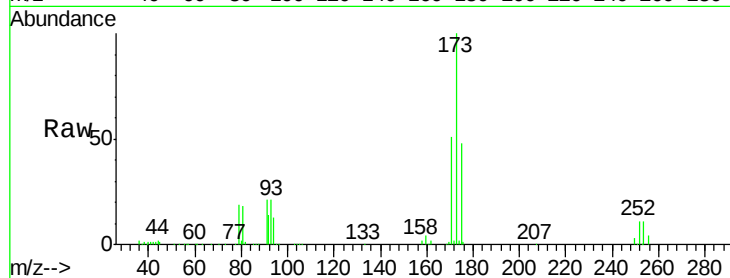
Tot Ion:173 Resp: 238713

Ion Ratio Lower Upper

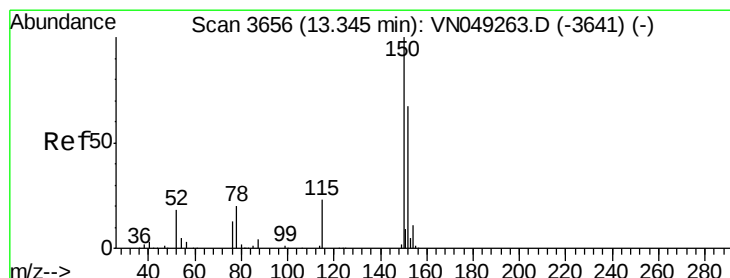
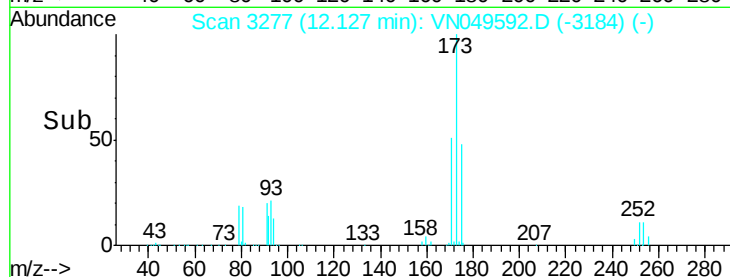
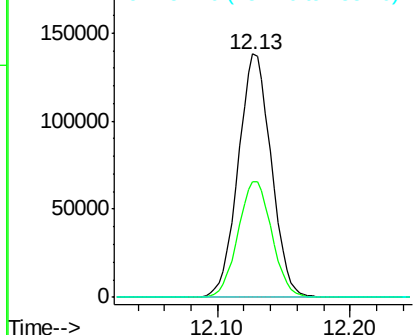
173 100

175 48.7 24.5 73.5

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

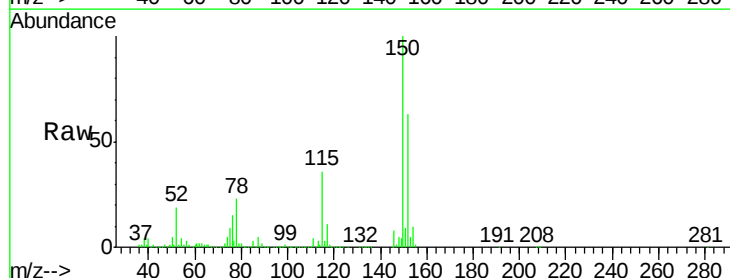
Tgt Ion:152 Resp: 1061822

Ion Ratio Lower Upper

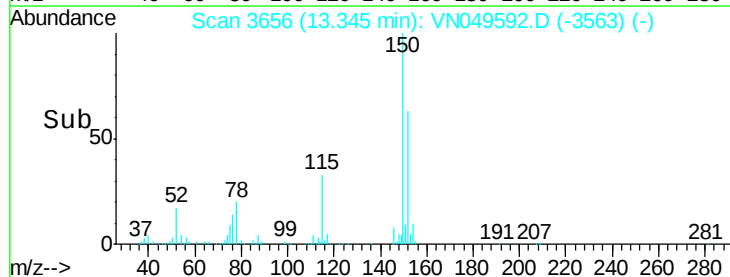
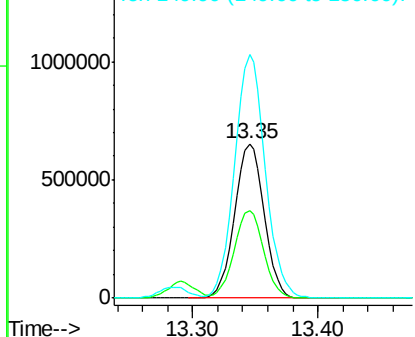
152 100

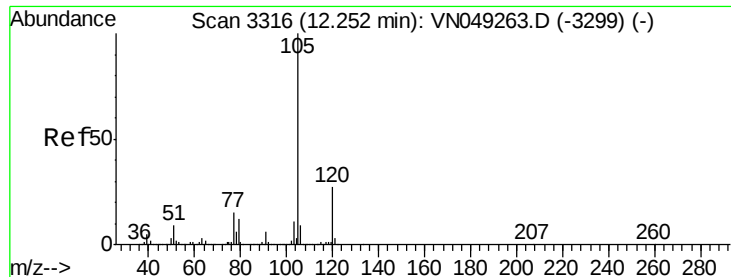
115 56.7 28.7 86.1

150 164.3 0.0 351.0



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: 17.64 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

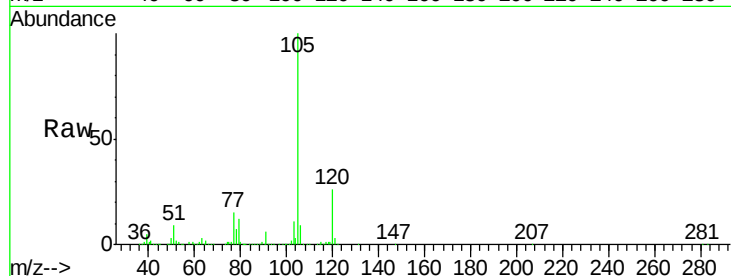
ClientSampled :

Tot Ion:105 Resp: 1644815

Ion Ratio Lower Upper

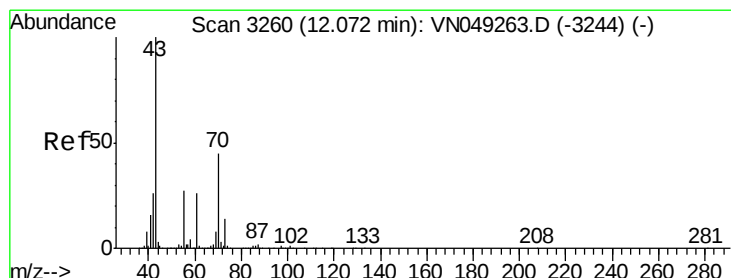
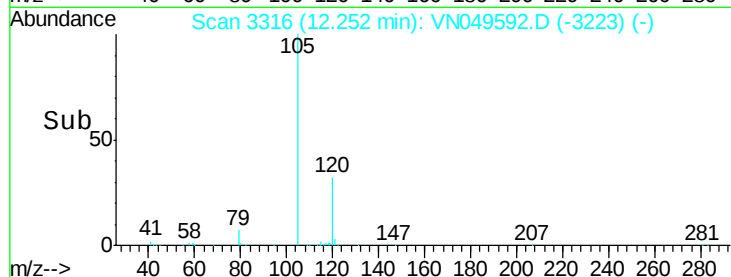
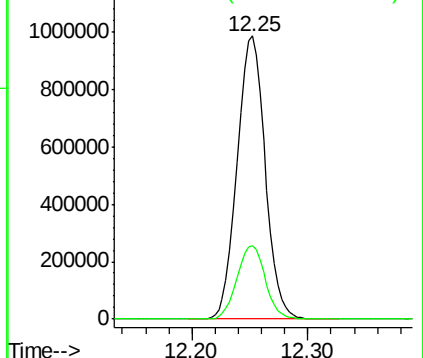
105 100

120 26.3 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.39 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Tgt Ion: 43 Resp: 465544

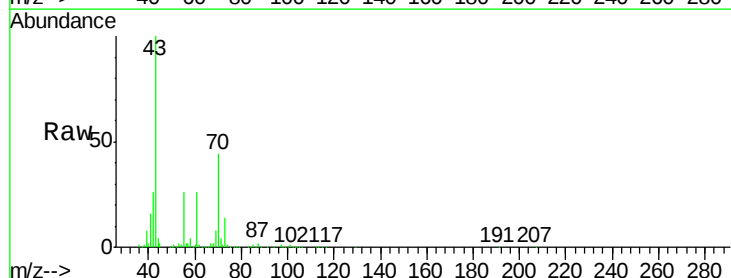
Ion Ratio Lower Upper

43 100

70 43.4 30.3 45.5

55 26.1 19.4 29.2

61 24.7 17.8 26.6

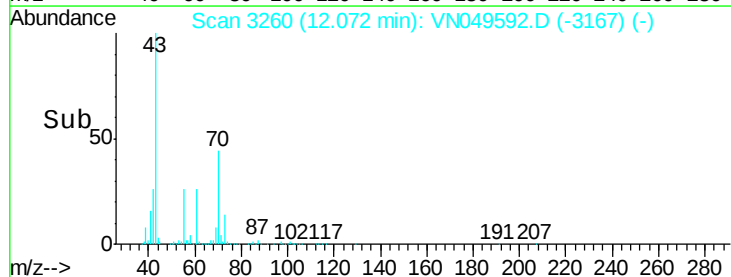
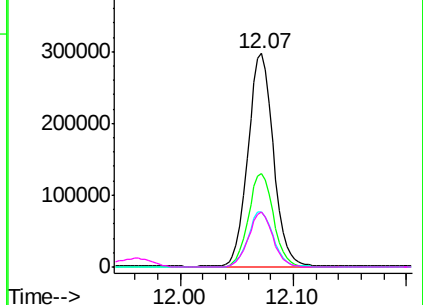


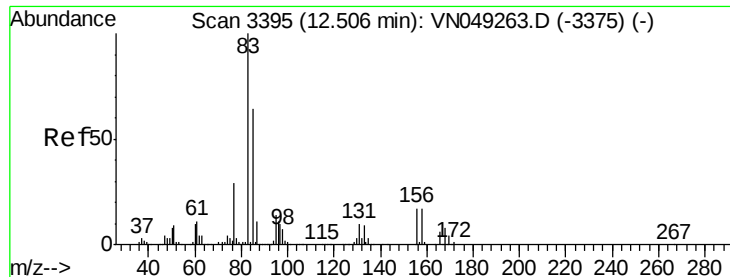
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.55 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

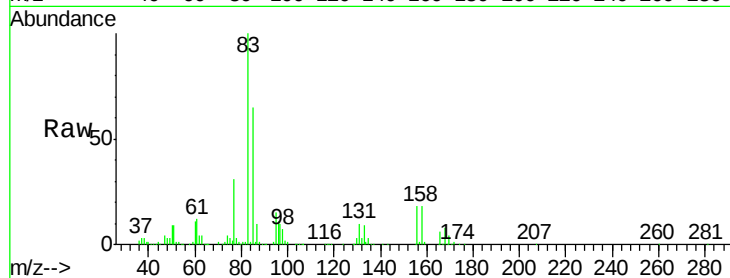
Tot Ion: 83 Resp: 382789

Ion Ratio Lower Upper

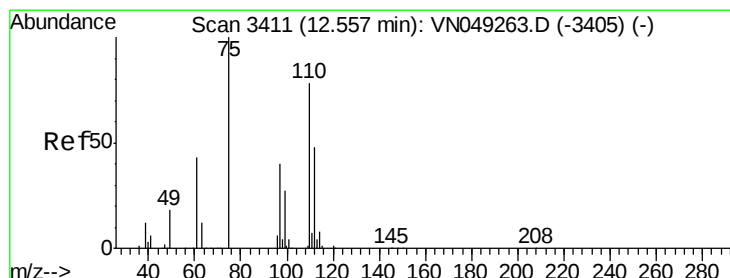
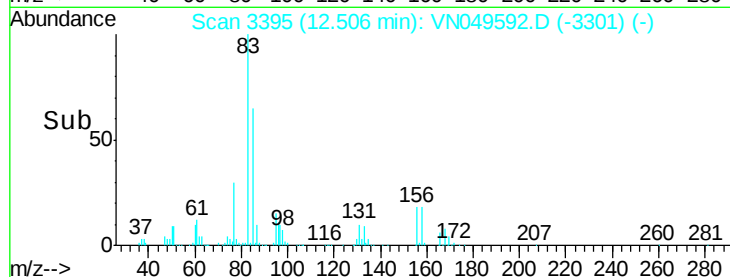
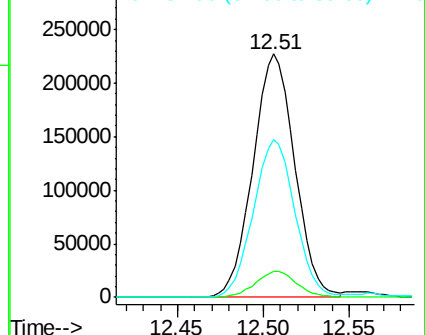
83 100

131 10.6 5.0 15.0

85 64.3 32.0 96.0



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



#76

1,2,3-Trichloropropane

Concen: 27.45 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049592.D

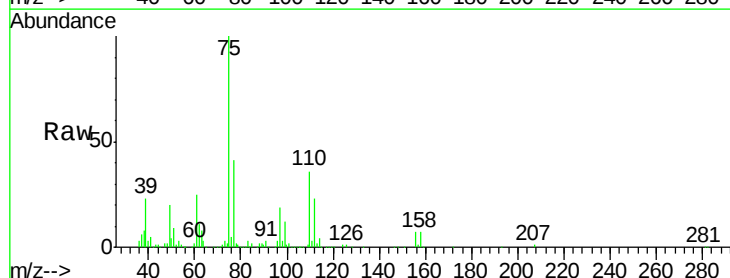
Acq: 28 Jun 2018 16:16

Tgt Ion: 75 Resp: 497404

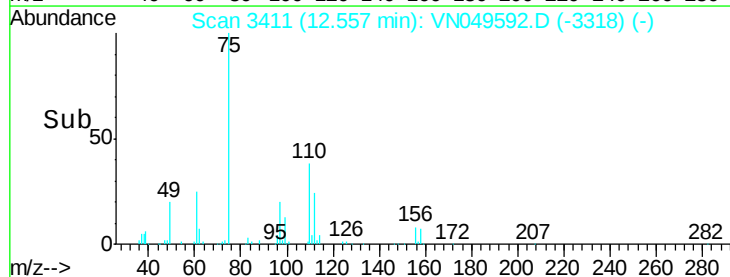
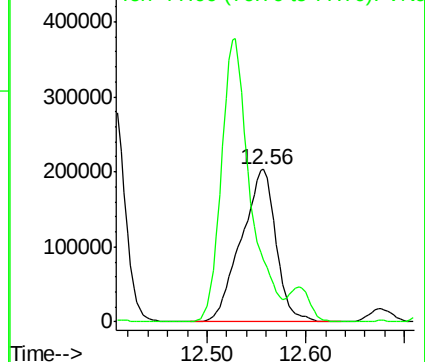
Ion Ratio Lower Upper

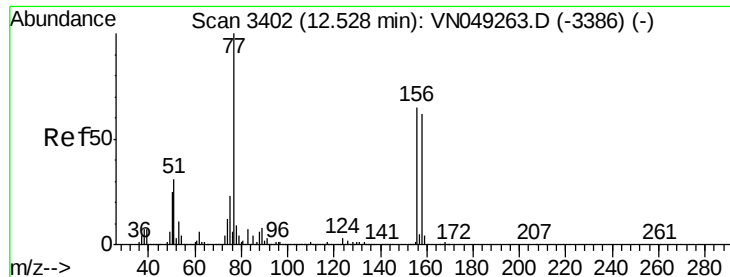
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 17.46 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampled :

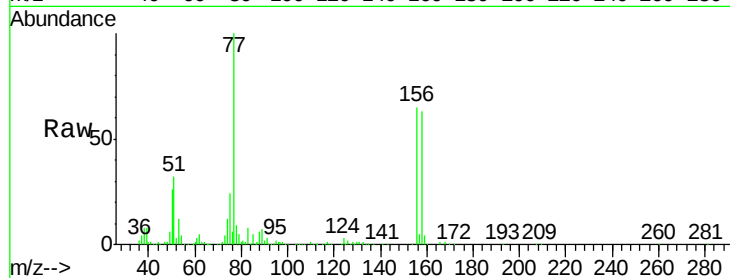
Tot Ion:156 Resp: 429896

Ion Ratio Lower Upper

156 100

77 180.2 100.8 302.4

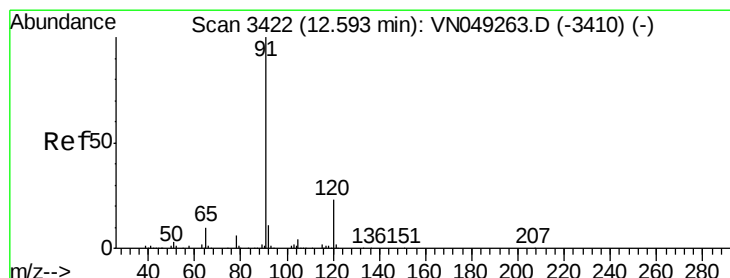
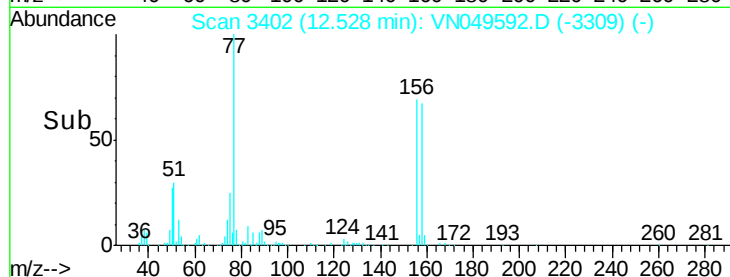
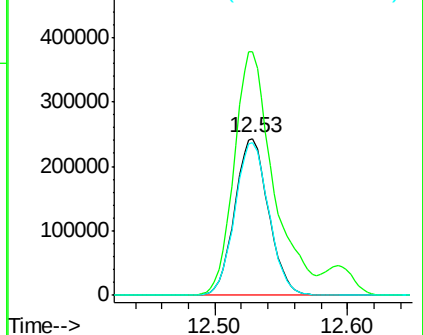
158 98.1 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.52 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049592.D

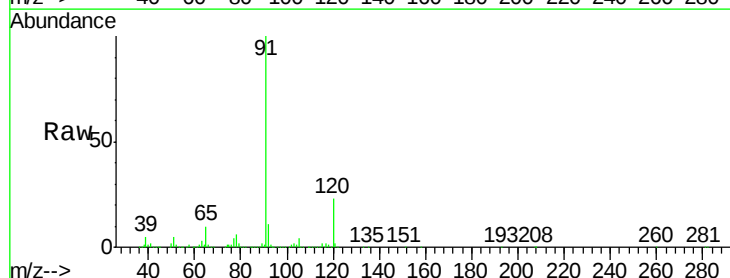
Acq: 28 Jun 2018 16:16

Tgt Ion: 91 Resp: 1895563

Ion Ratio Lower Upper

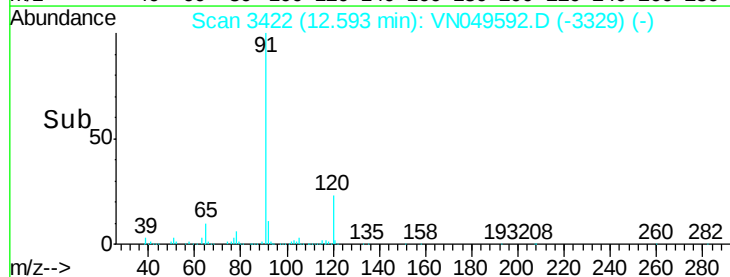
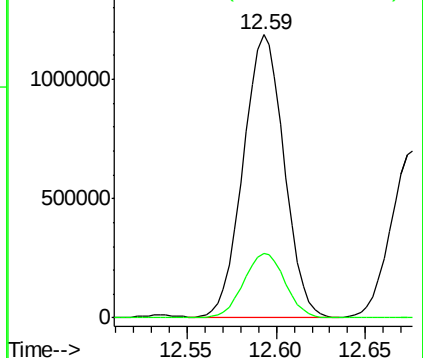
91 100

120 23.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.90 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

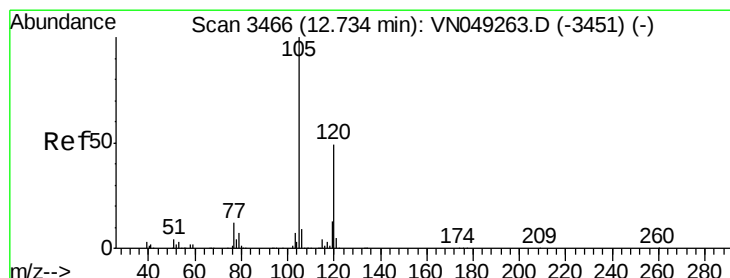
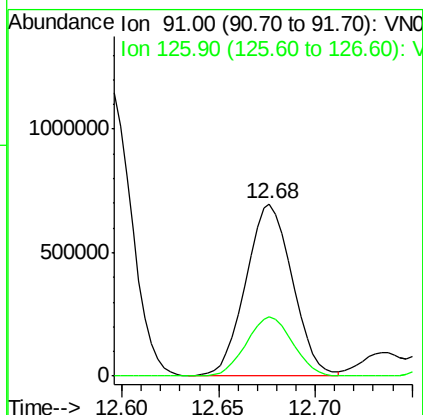
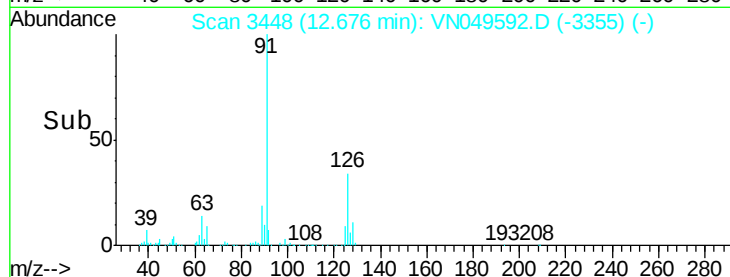
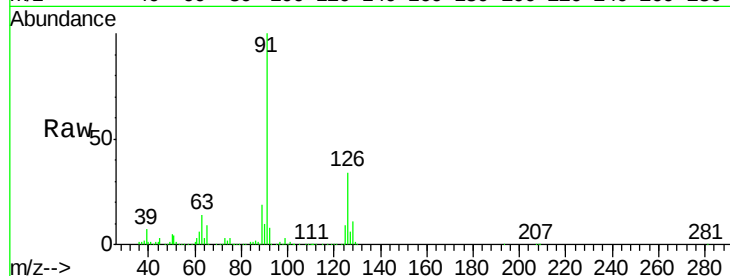
ClientSampleId :

Tot Ion: 91 Resp: 1160714

Ion Ratio Lower Upper

91 100

126 34.5 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 19.35 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049592.D

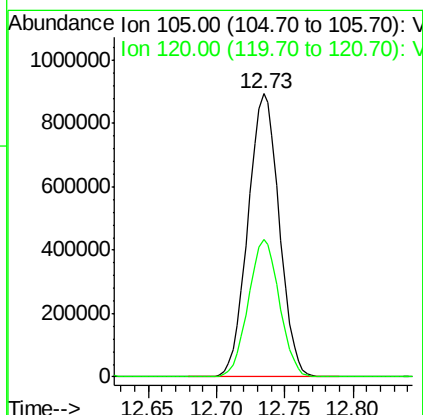
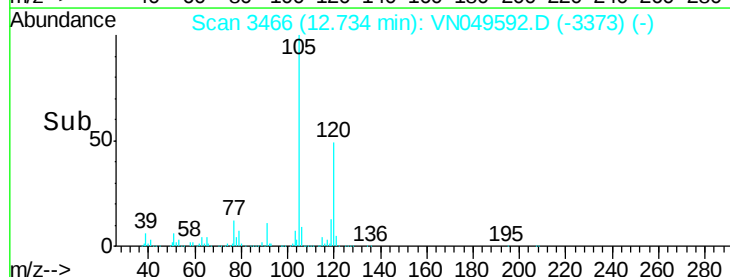
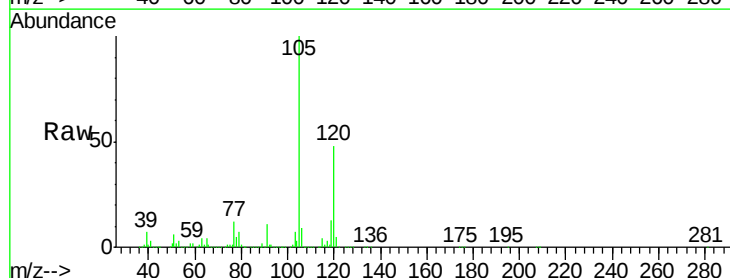
Acq: 28 Jun 2018 16:16

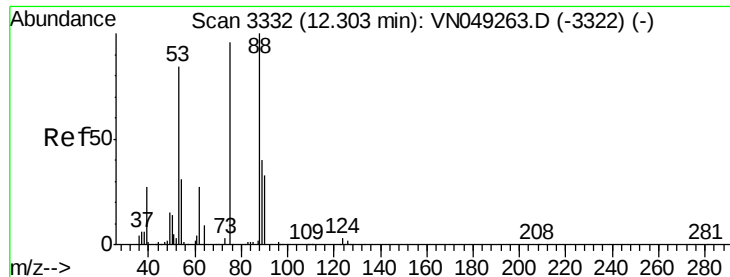
Tgt Ion:105 Resp: 1418156

Ion Ratio Lower Upper

105 100

120 48.1 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 16.24 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

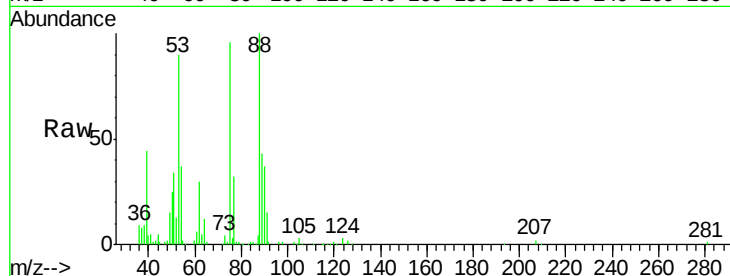
Tot Ion: 75 Resp: 93102

Ion Ratio Lower Upper

75 100

53 98.7 82.7 124.1

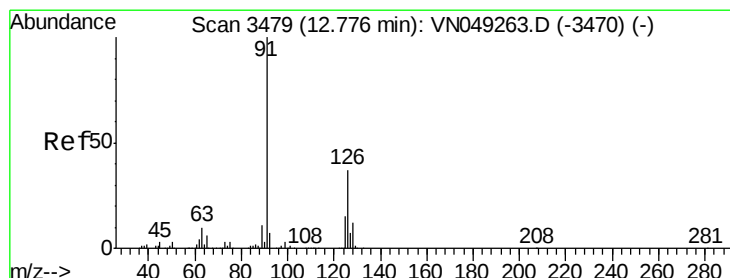
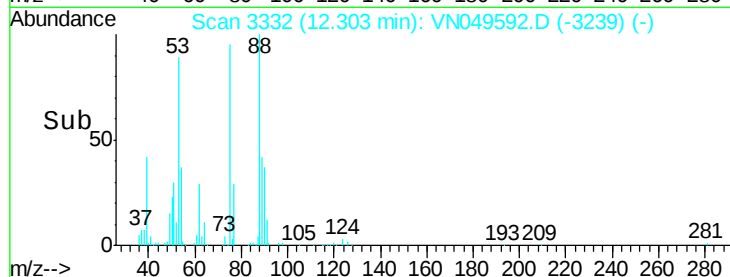
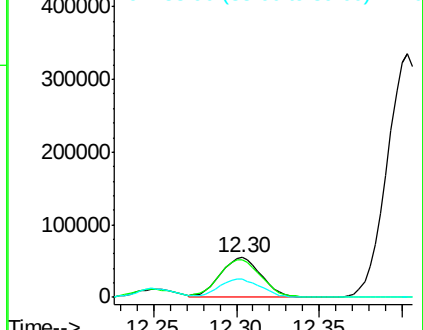
89 47.7 36.5 54.7



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: 18.74 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049592.D

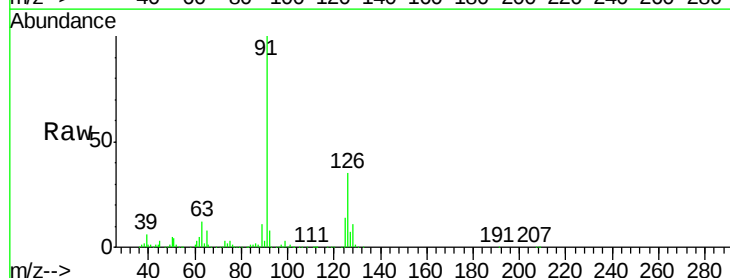
Acq: 28 Jun 2018 16:16

Tgt Ion: 91 Resp: 1172483

Ion Ratio Lower Upper

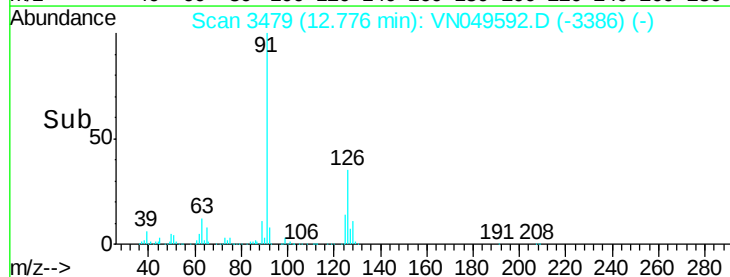
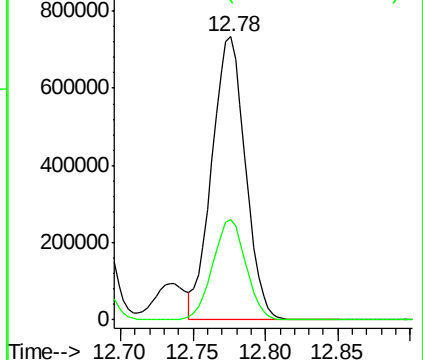
91 100

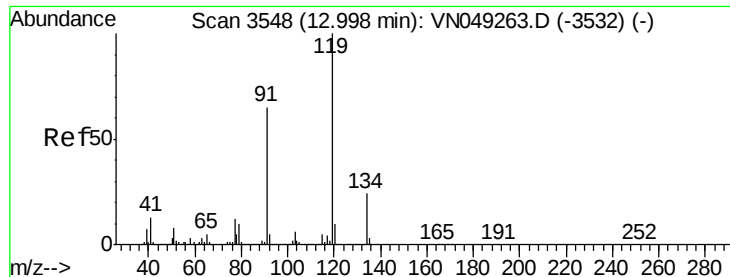
126 35.2 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.06 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

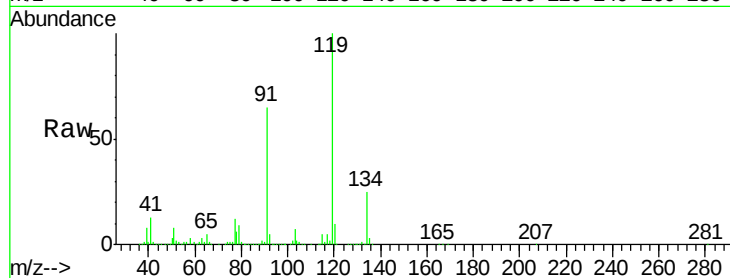
Tot Ion:119 Resp: 1172706

Ion Ratio Lower Upper

119 100

91 63.7 33.7 101.0

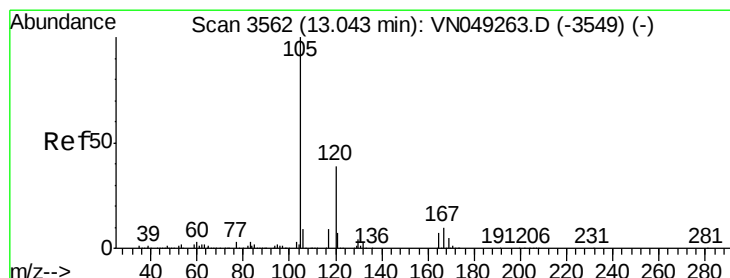
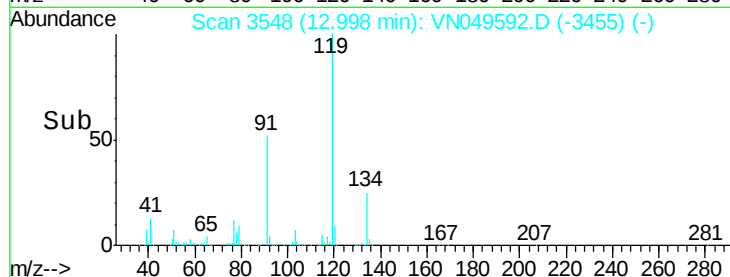
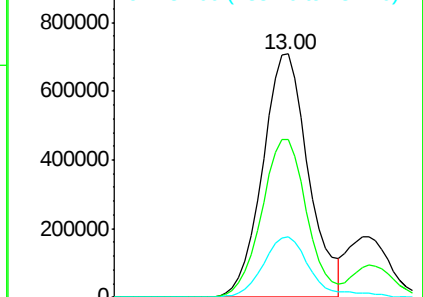
134 25.6 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.94 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049592.D

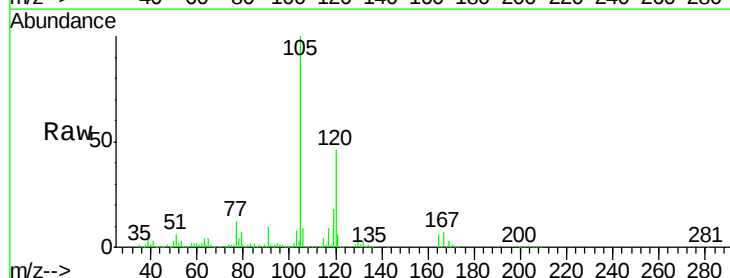
Acq: 28 Jun 2018 16:16

Tgt Ion:105 Resp: 1451604

Ion Ratio Lower Upper

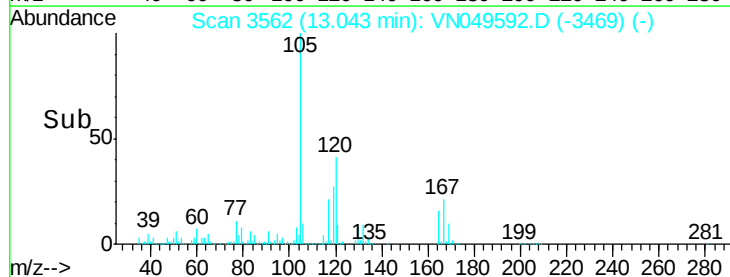
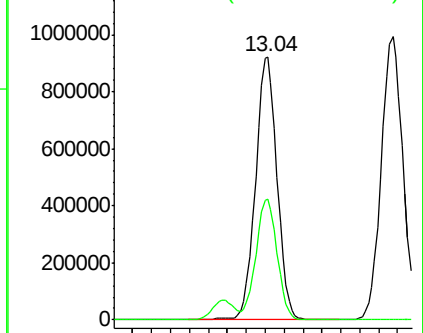
105 100

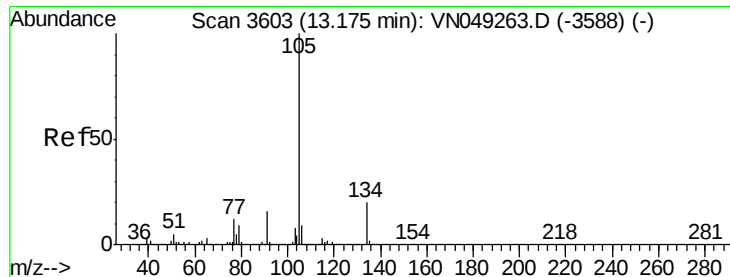
120 45.5 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.13 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

Instrument :

MSVOA_N

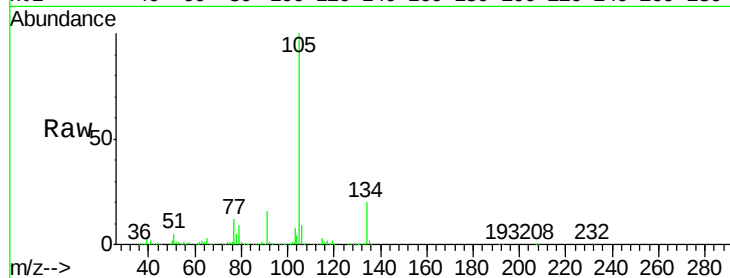
ClientSampled :

Tot Ion:105 Resp: 1566375

Ion Ratio Lower Upper

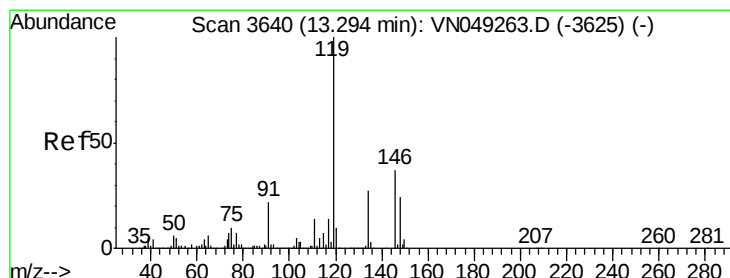
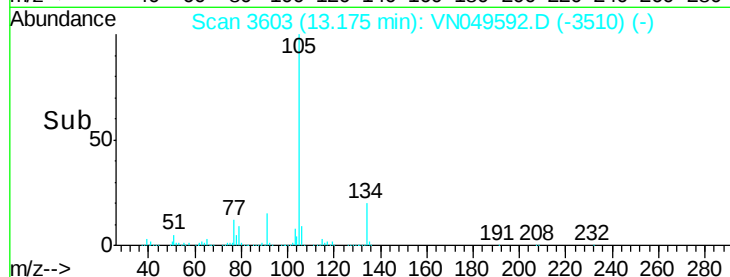
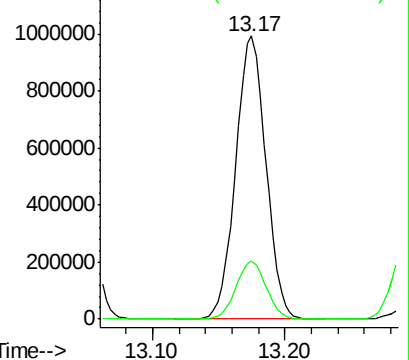
105 100

134 20.4 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.08 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049592.D

Acq: 28 Jun 2018 16:16

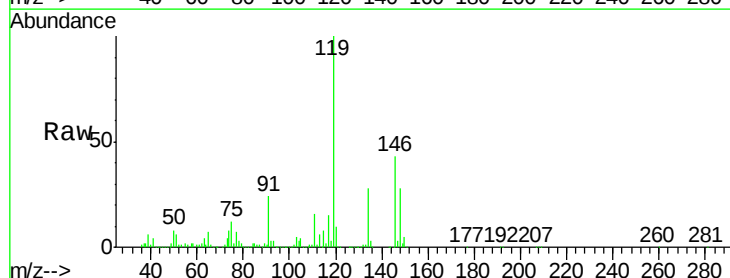
Tgt Ion:119 Resp: 1377119

Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

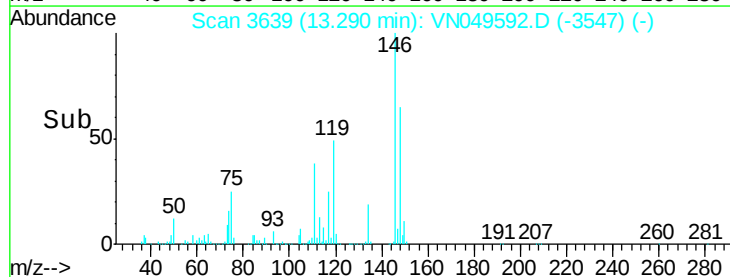
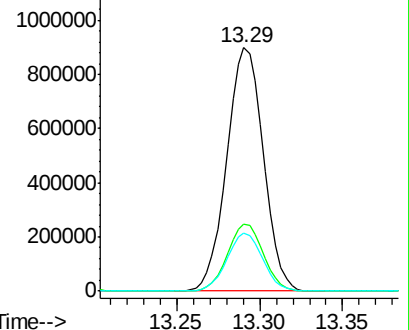
91 23.3 12.1 36.3



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

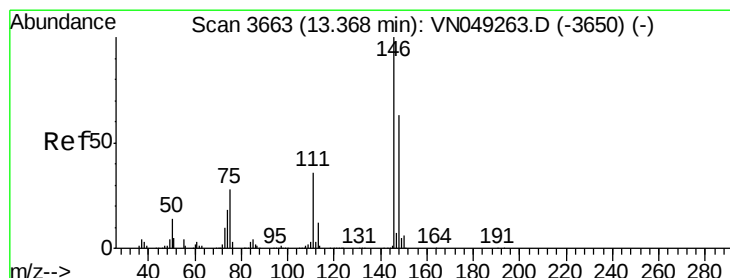
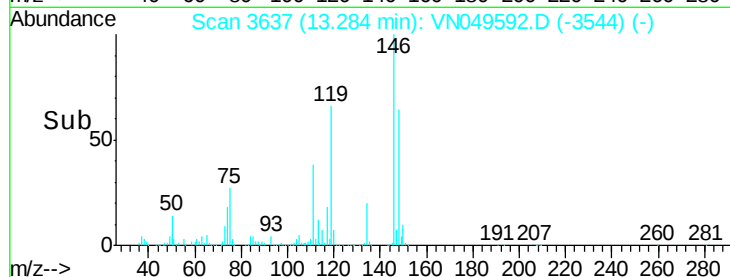
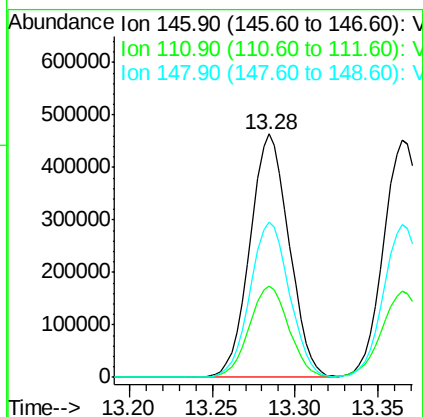
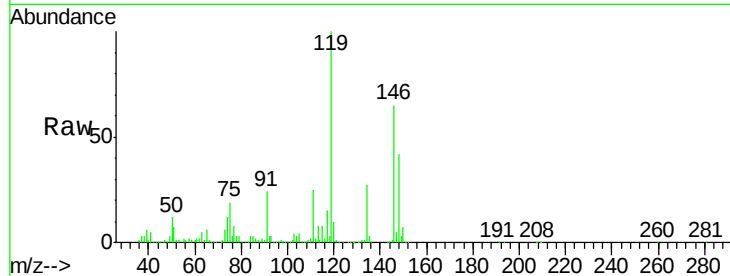




#87
 1,3-Dichlorobenzene
 Concen: 18.79 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

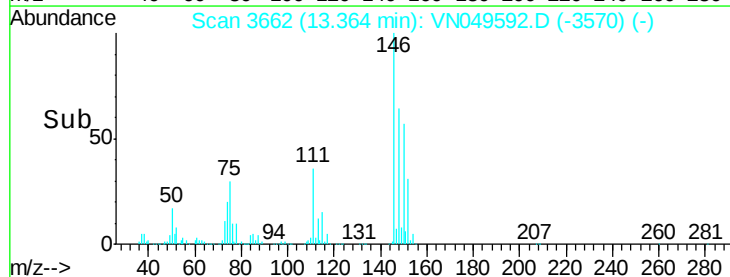
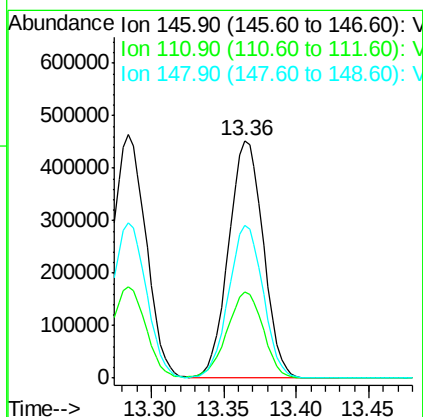
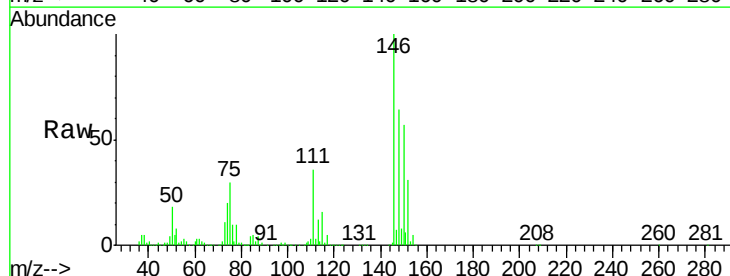
Instrument :
 MSVOA_N
 ClientSampleId :

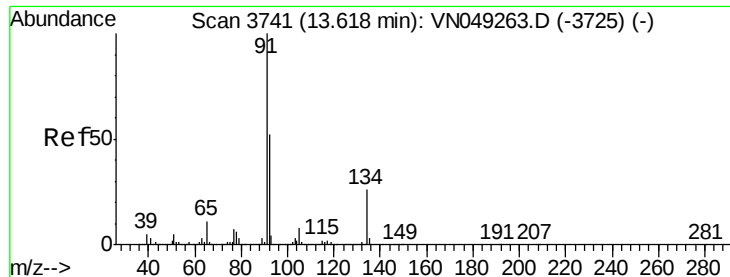
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.9	59.6
148	64.3	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.69 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	64.0	32.0	96.2

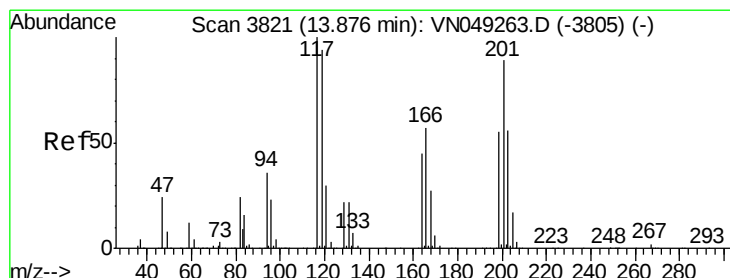
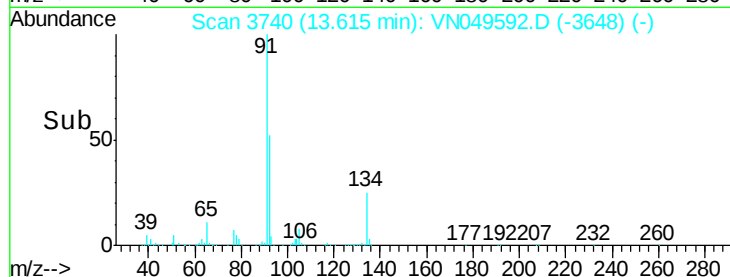
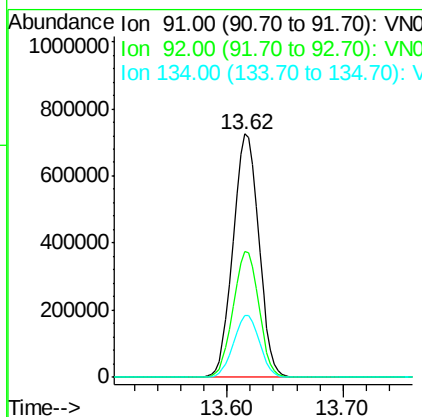
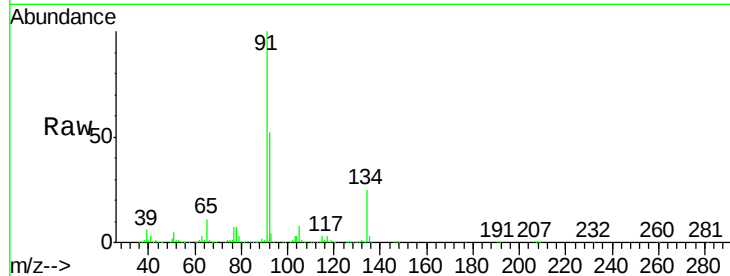




#89
n-Butylbenzene
Concen: 19.68 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

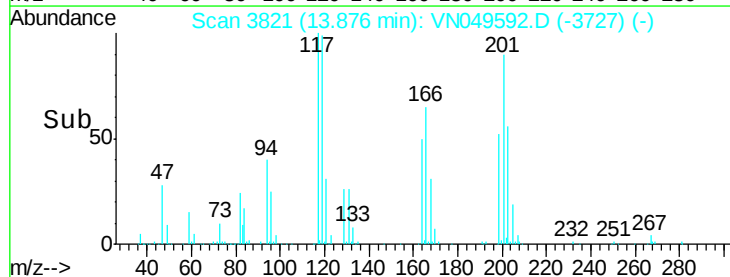
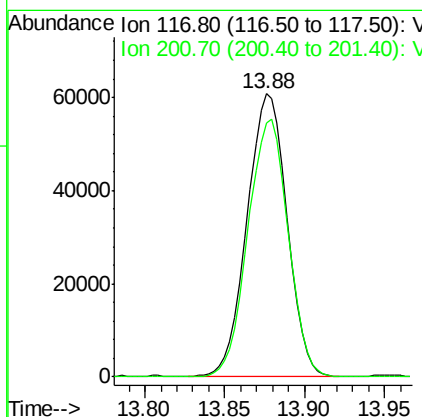
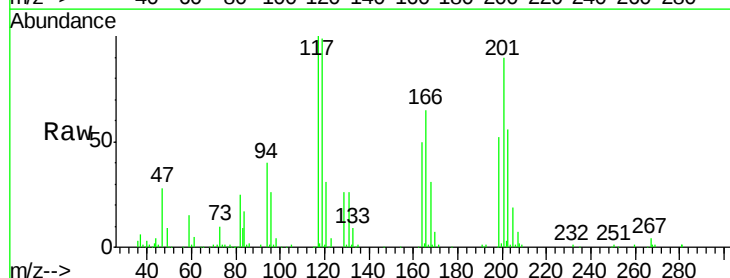
Instrument :
MSVOA_N
ClientSampleId :

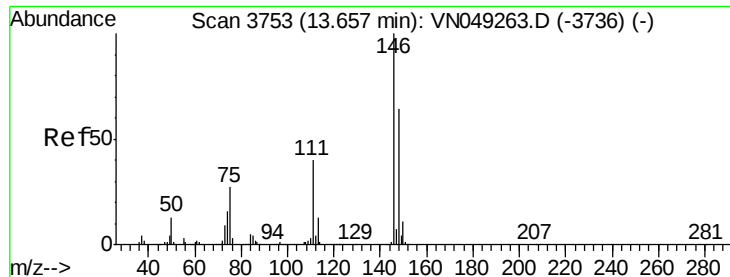
Tot Ion: 91 Resp: 1109599
Ion Ratio Lower Upper
91 100
92 51.5 25.1 75.4
134 25.6 12.0 36.0



#90
Hexachloroethane
Concen: 6.16 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion: 117 Resp: 104456
Ion Ratio Lower Upper
117 100
201 91.1 40.1 120.2

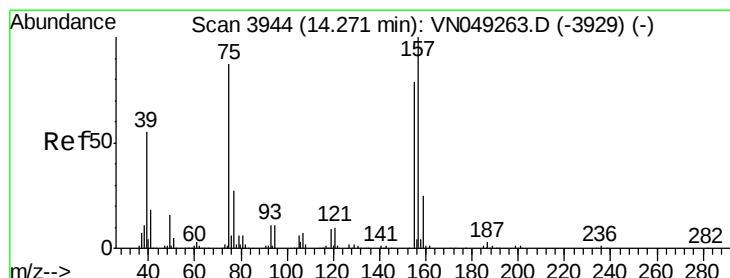
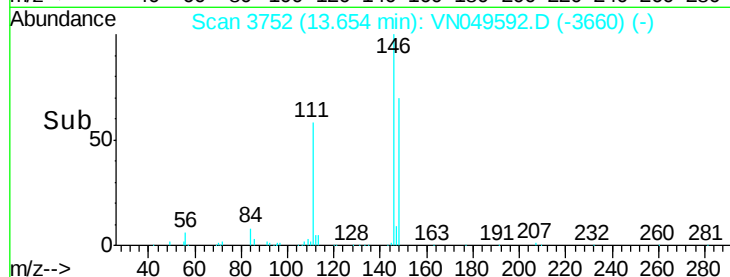
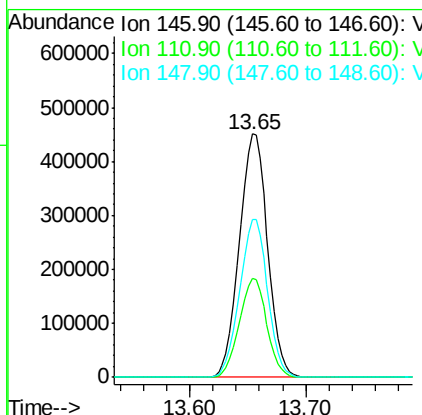
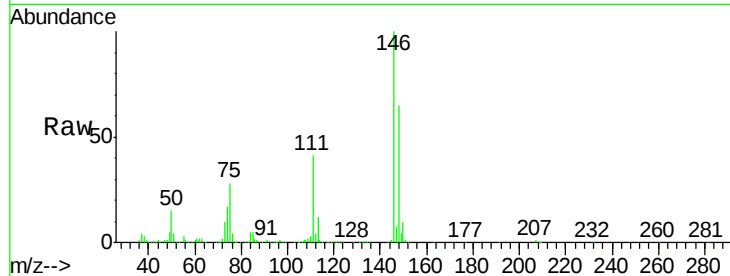




#91
 1,2-Dichlorobenzene
 Concen: 19.11 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

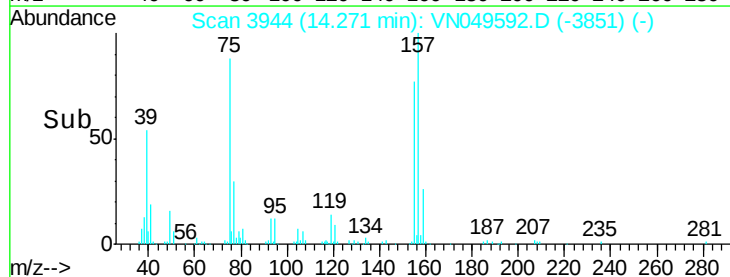
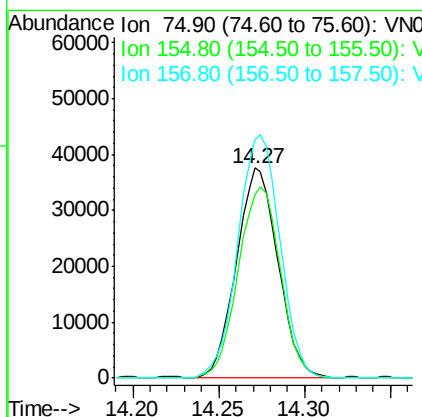
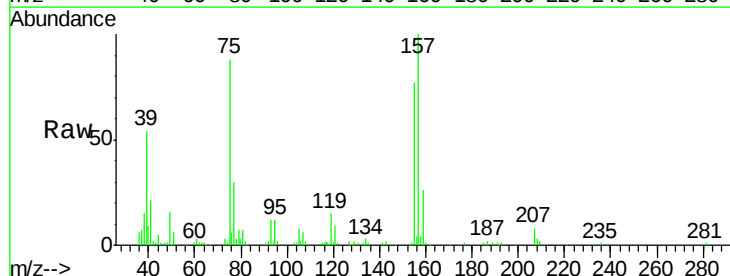
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.8	62.2
148	64.3	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.48 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	38.8	116.3
157	116.8	51.0	153.1

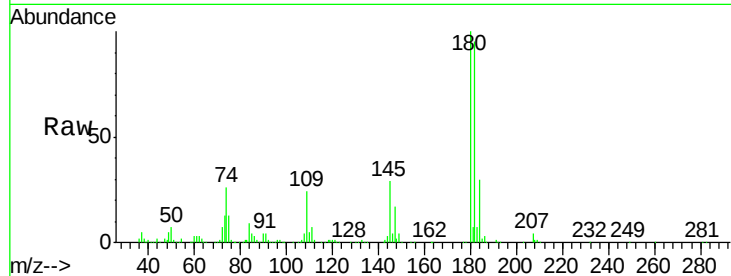




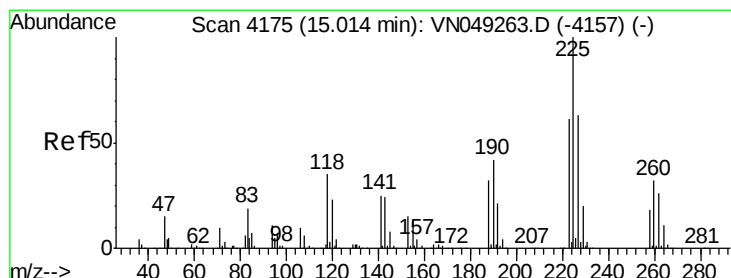
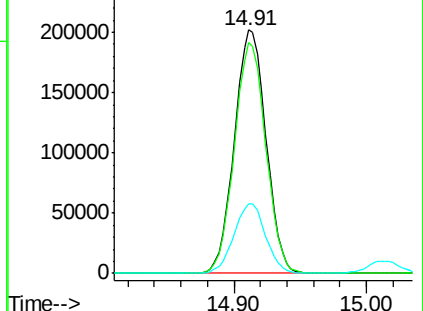
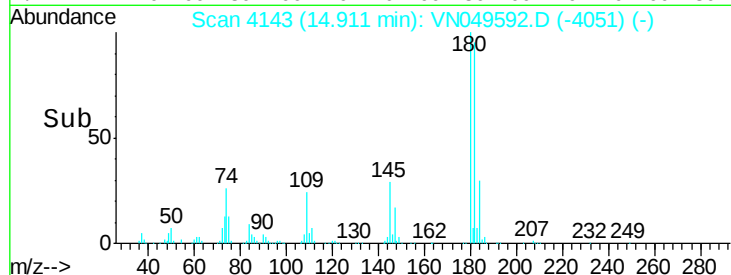
#93
 1,2,4-Trichlorobenzene
 Concen: 21.33 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 333756
 Ion Ratio Lower Upper
 180 100
 182 94.3 46.9 140.8
 145 28.8 14.7 44.1

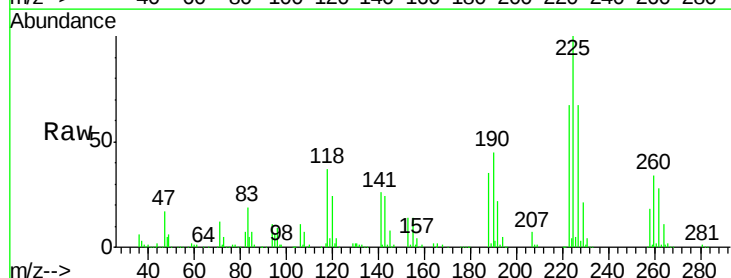


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

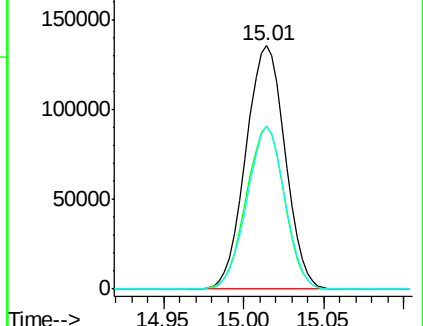
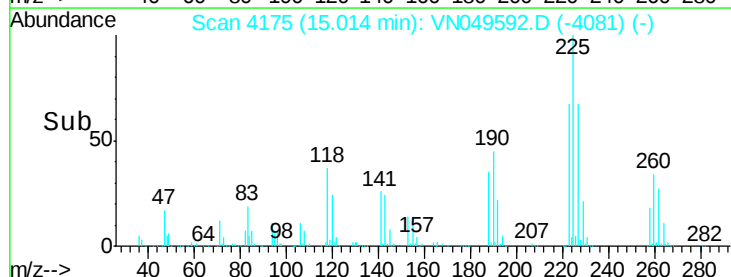


#94
 Hexachlorobutadiene
 Concen: 17.84 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049592.D
 Acq: 28 Jun 2018 16:16

Tgt Ion:225 Resp: 227708
 Ion Ratio Lower Upper
 225 100
 223 65.2 32.1 96.3
 227 64.4 31.8 95.3



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

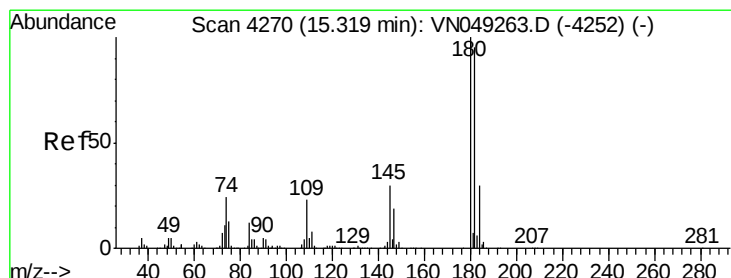
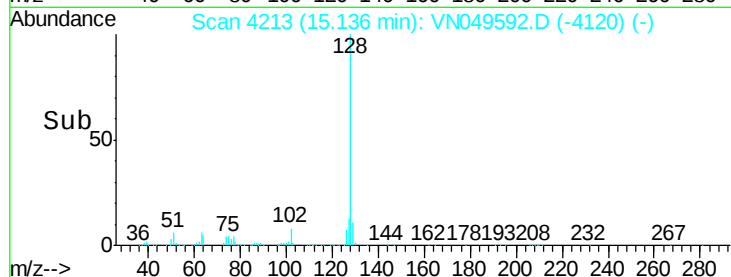
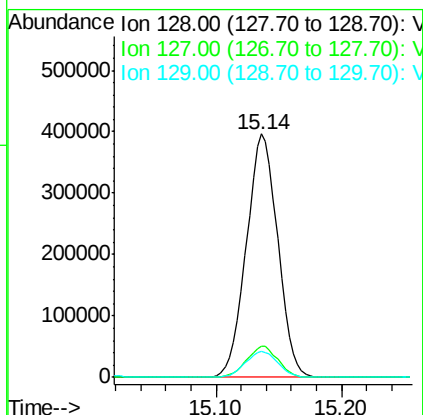
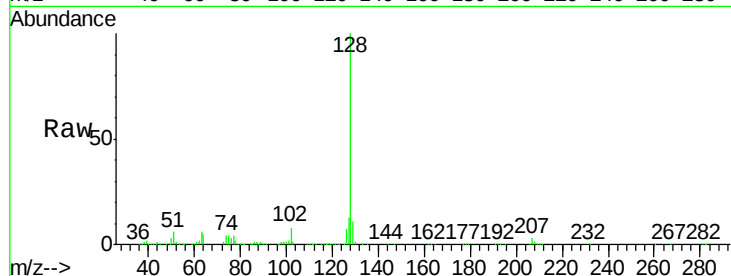




#95
Naphthalene
Concen: 24.06 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 689460
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 11.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 20.79 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049592.D
Acq: 28 Jun 2018 16:16

Tgt Ion:180 Resp: 331535
Ion Ratio Lower Upper
180 100
182 95.6 47.3 141.8
145 29.6 15.6 46.7

