

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049383.D
 Acq On : 19 Jun 2018 13:44
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 04:28:42 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	1587625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2323727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2133814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1102916	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	950279	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	
35) Dibromofluoromethane	7.59	113	859366	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	
50) Toluene-d8	10.09	98	3262654	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	
62) 4-Bromofluorobenzene	12.40	95	1136847	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	868063	47.50	ug/l	100
3) Chloromethane	2.06	50	1044926	44.28	ug/l	97
4) Vinyl Chloride	2.18	62	1148626	45.80	ug/l	98
5) Bromomethane	2.56	94	592570	44.95	ug/l	99
6) Chloroethane	2.70	64	709326	47.44	ug/l	99
7) Trichlorofluoromethane	3.01	101	1469767	46.98	ug/l	99
8) Diethyl Ether	3.41	74	521316	47.73	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	920559	46.39	ug/l	93
10) Methyl Iodide	3.95	142	980386	47.46	ug/l	92
11) Tert butyl alcohol	4.80	59	313671	253.80	ug/l	98
12) 1,1-Dichloroethene	3.73	96	842394	46.28	ug/l	91
13) Acrolein	3.61	56	467926	361.03	ug/l	100
14) Allyl chloride	4.32	41	1387016	48.26	ug/l	89
15) Acrylonitrile	4.99	53	1532504	247.98	ug/l	99
16) Acetone	3.82	43	1285320	251.39	ug/l	92
17) Carbon Disulfide	4.05	76	2549334	44.68	ug/l	99
18) Methyl Acetate	4.33	43	742004	47.60	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	2336705	50.35	ug/l	99
20) Methylene Chloride	4.55	84	961150	45.01	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	902350	46.82	ug/l	93
22) Diisopropyl ether	5.96	45	2826733	49.25	ug/l	94
23) Vinyl Acetate	5.90	43	9709919	259.50	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1686900	45.92	ug/l	99
25) 2-Butanone	6.84	43	1777272	258.88	ug/l	97
26) 2,2-Dichloropropane	6.82	77	1419920	47.86	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	1016528	47.44	ug/l	92
28) Bromochloromethane	7.19	49	743552	45.65	ug/l	85
29) Tetrahydrofuran	7.21	42	1127302	255.09	ug/l	93
30) Chloroform	7.37	83	1697780	46.44	ug/l	99
31) Cyclohexane	7.65	56	1534314	49.26	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	1470324	47.13	ug/l	96
36) 1,1-Dichloropropene	7.79	75	1333469	50.07	ug/l	98
37) Ethyl Acetate	6.93	43	784064	54.15	ug/l	97
38) Carbon Tetrachloride	7.77	117	1324581	48.04	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1452822	50.82	ug/l	96
40) Benzene	8.04	78	3926771	48.09	ug/l	99
41) Methacrylonitrile	7.18	41	411155	52.53	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1214765	48.16	ug/l	97
43) Isopropyl Acetate	8.17	43	1460919	52.81	ug/l	95
44) Trichloroethene	8.84	130	1044516	48.44	ug/l	94
45) 1,2-Dichloropropane	9.12	63	1017133	47.58	ug/l	100
46) Dibromomethane	9.21	93	605817	48.87	ug/l	92
47) Bromodichloromethane	9.40	83	1303103	47.84	ug/l	97
48) Methyl methacrylate	9.20	41	707909	54.34	ug/l	87
49) 1,4-Dioxane	9.20	88	192937	1073.10	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	3885960	268.03	ug/l	94
52) Toluene	10.16	92	2438568	50.89	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	1330170	51.04	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1549737	50.37	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	859733	48.12	ug/l	98
56) Ethyl methacrylate	10.43	69	1130031	54.83	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1451114	49.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1559794	213.89	ug/l	95
59) 2-Hexanone	10.75	43	2577167	275.72	ug/l	92
60) Dibromochloromethane	10.90	129	984962	49.40	ug/l	99
61) 1,2-Dibromoethane	11.01	107	836608	50.38	ug/l	100
64) Tetrachloroethene	10.63	164	1094793	50.07	ug/l	98
65) Chlorobenzene	11.44	112	2633032	47.90	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	965455	46.67	ug/l	99
67) Ethyl Benzene	11.51	91	4639986	50.89	ug/l	98
68) m/p-Xylenes	11.62	106	3561070	104.07	ug/l	97
69) o-Xylene	11.95	106	1702654	51.66	ug/l	96
70) Styrene	11.97	104	2796882	53.79	ug/l	97
71) Bromoform	12.13	173	668631	49.93	ug/l #	100
73) Isopropylbenzene	12.25	105	4565876	47.15	ug/l	98
74) N-amyl acetate	12.07	43	1204891	50.80	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	1008500	50.65	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1290503	68.58	ug/l #	100
77) Bromobenzene	12.53	156	1140755	44.60	ug/l	90
78) n-propylbenzene	12.59	91	5224614	49.14	ug/l	98
79) 2-Chlorotoluene	12.68	91	3119052	46.30	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3722664	48.91	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	289048	48.55	ug/l	92
82) 4-Chlorotoluene	12.78	91	3139965	48.31	ug/l	97
83) tert-Butylbenzene	12.99	119	3147673	46.68	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	3778271	49.97	ug/l	99
85) sec-Butylbenzene	13.17	105	4249209	47.34	ug/l	99
86) p-Isopropyltoluene	13.29	119	3683715	49.13	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	2013730	47.86	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1956701	46.92	ug/l	99
89) n-Butylbenzene	13.62	91	2961829	50.57	ug/l	97
90) Hexachloroethane	13.88	117	689043	48.50	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	1945121	47.13	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	153212	45.44	ug/l	85

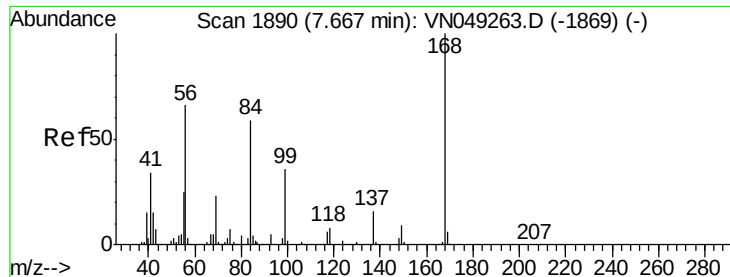
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	837836	44.84	ug/l	98
94) Hexachlorobutadiene	15.01	225	603740	50.01	ug/l	99
95) Naphthalene	15.14	128	1660000	49.56	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	841420	45.82	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

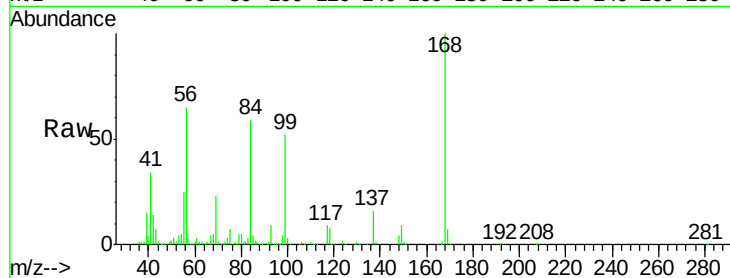
ClientSampleId :

Tot Ion:168 Resp: 1587625

Ion Ratio Lower Upper

168 100

99 51.9 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

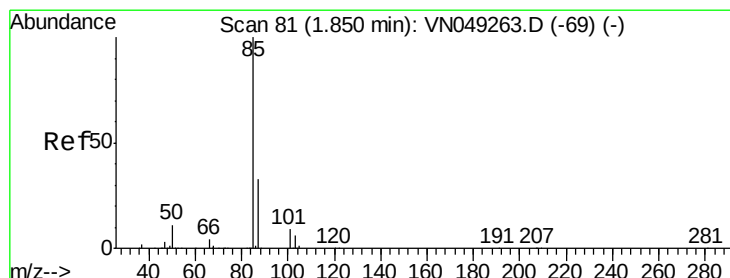
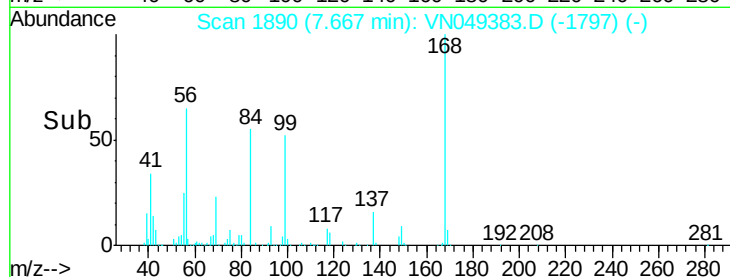
400000

200000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.50 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049383.D

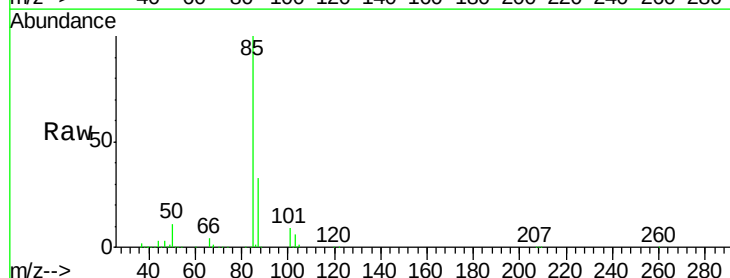
Acq: 19 Jun 2018 13:44

Tgt Ion: 85 Resp: 868063

Ion Ratio Lower Upper

85 100

87 32.6 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

600000

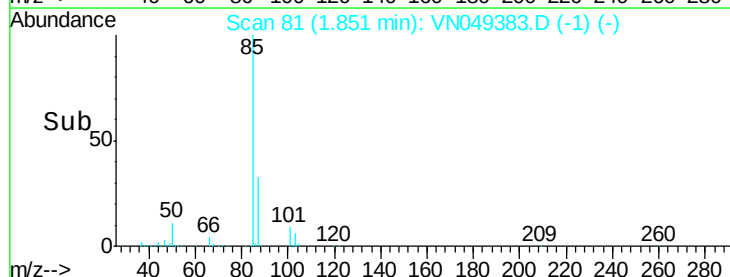
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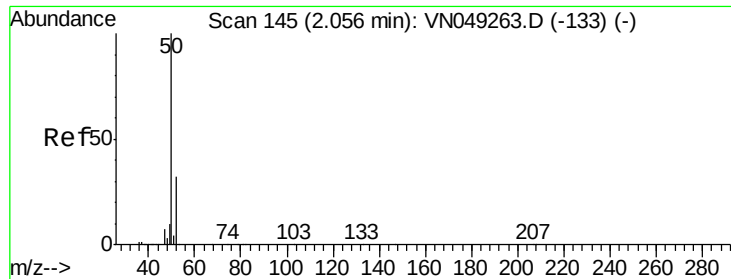
200000

0

1.80 1.90 2.00

Time-->

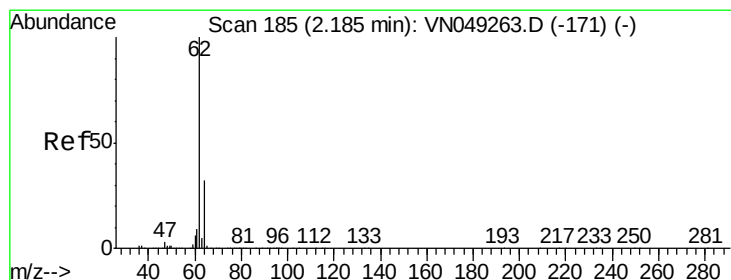
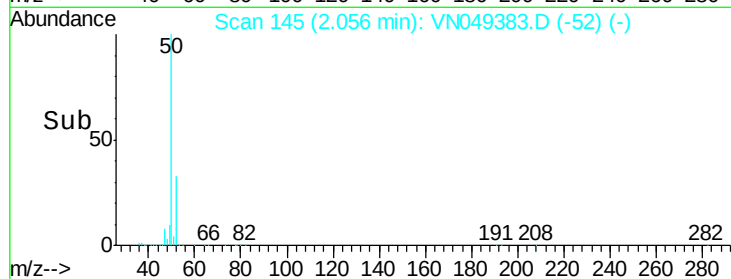
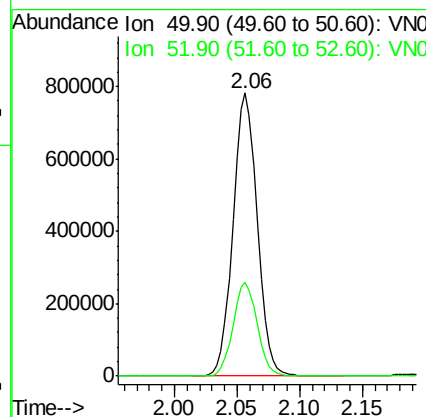
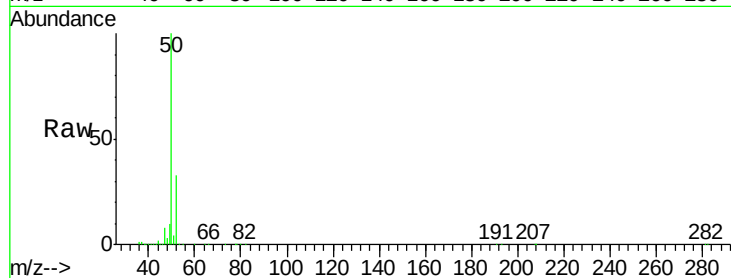




#3
Chloromethane
Concen: 44.28 ug/l
RT: 2.06 min Scan# 145
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

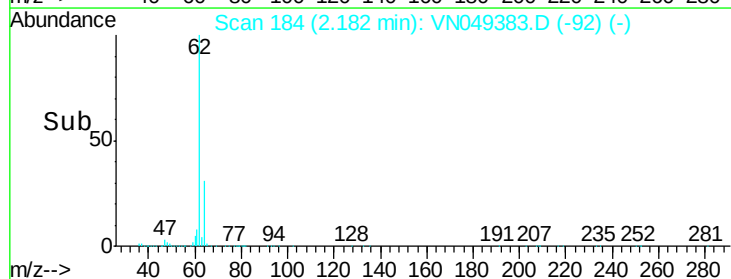
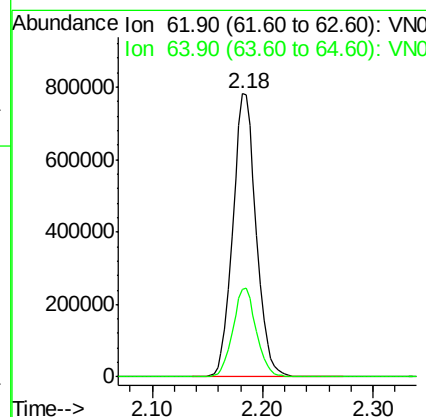
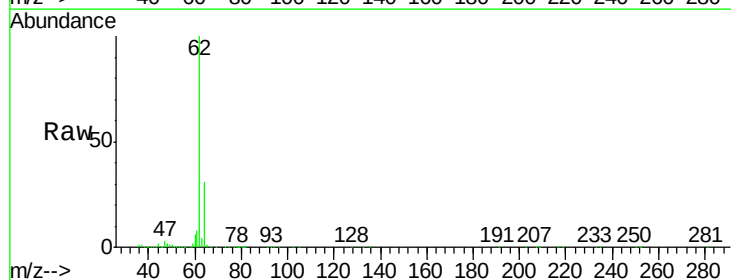
Instrument :
MSVOA_N
ClientSampleId :

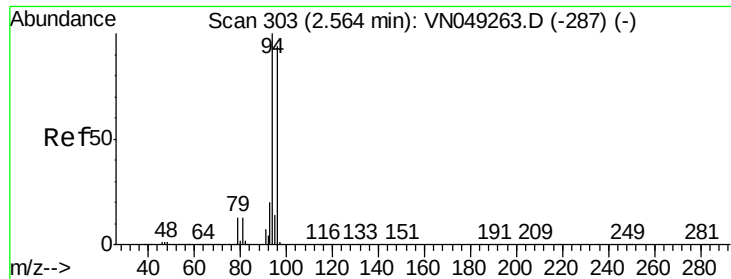
Tot Ion: 50 Resp: 1044926
Ion Ratio Lower Upper
50 100
52 33.0 25.2 37.8



#4
Vinyl Chloride
Concen: 45.80 ug/l
RT: 2.18 min Scan# 184
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 62 Resp: 1148626
Ion Ratio Lower Upper
62 100
64 31.1 25.7 38.5





#5

Bromomethane

Concen: 44.95 ug/l

RT: 2.56 min Scan# 301

Delta R.T. -0.01 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

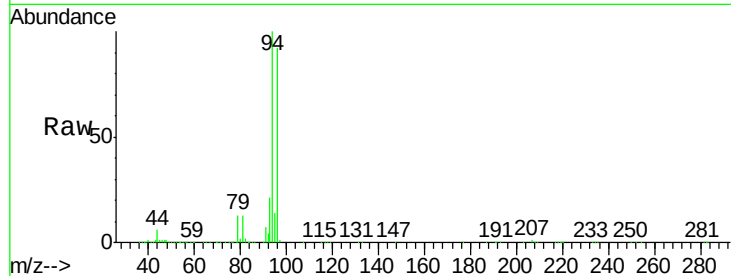
ClientSampleId :

Tot Ion: 94 Resp: 592570

Ion Ratio Lower Upper

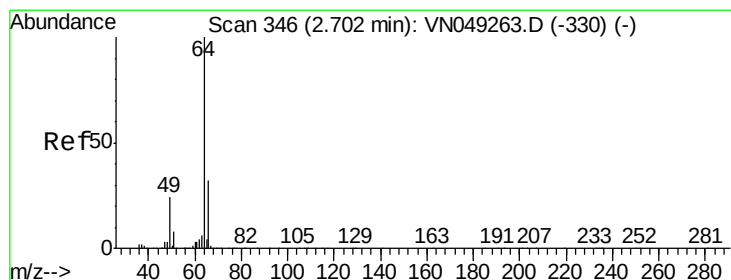
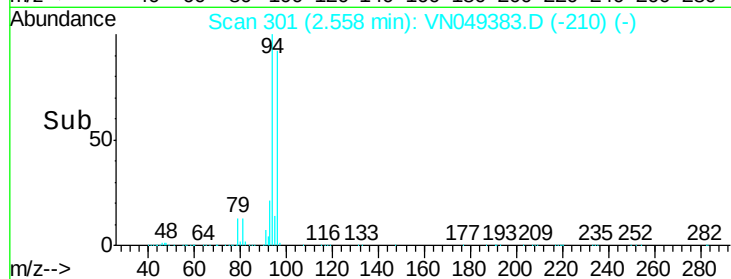
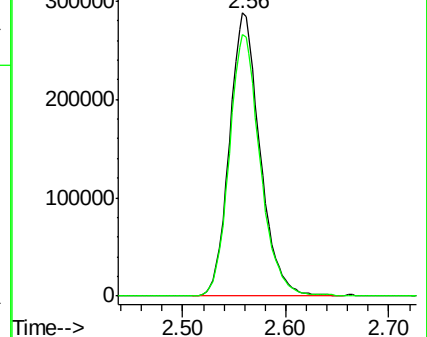
94 100

96 92.3 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: 47.44 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049383.D

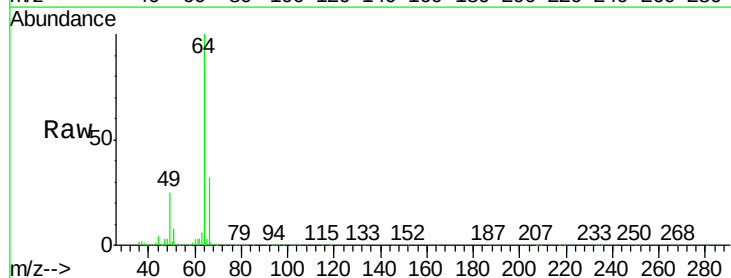
Acq: 19 Jun 2018 13:44

Tgt Ion: 64 Resp: 709326

Ion Ratio Lower Upper

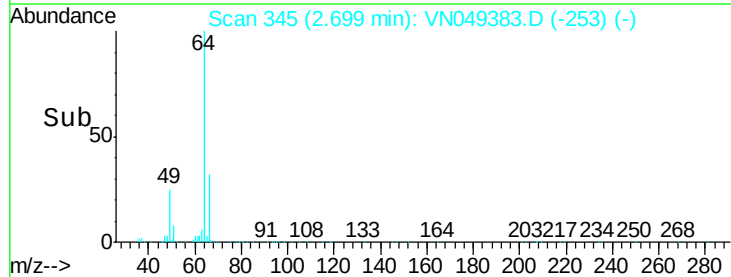
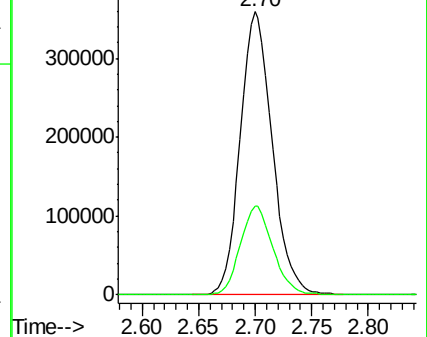
64 100

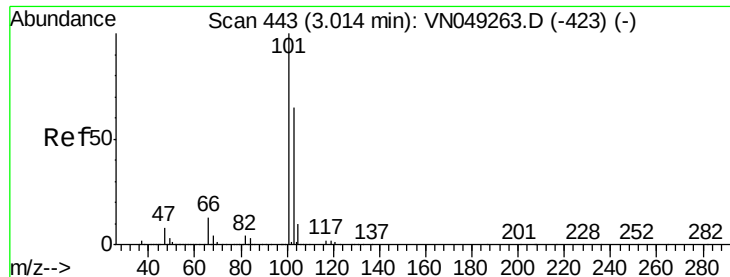
66 31.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



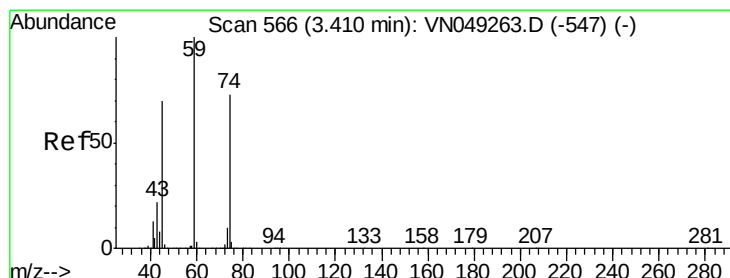
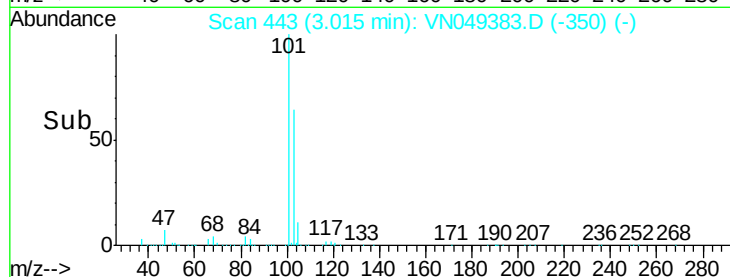
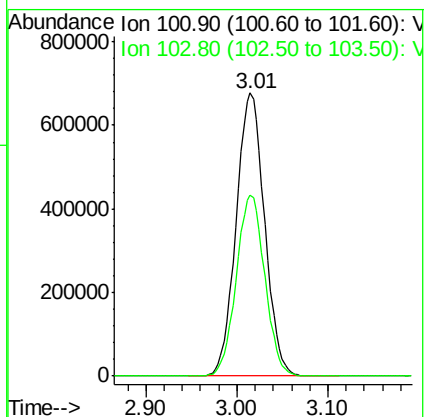
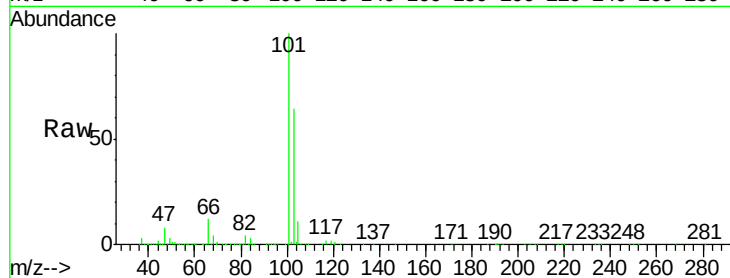


#7

Trichlorofluoromethane
Concen: 46.98 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampleId :

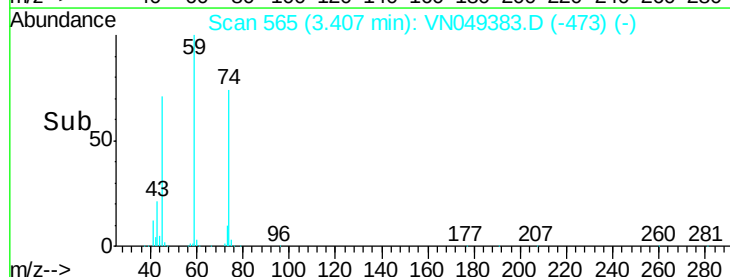
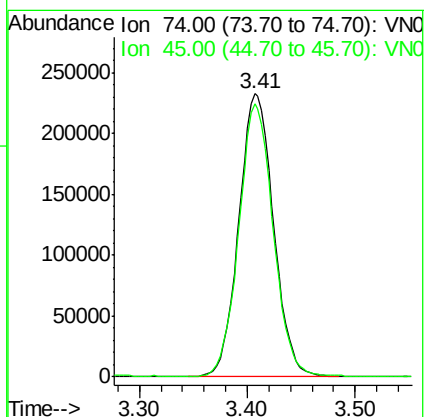
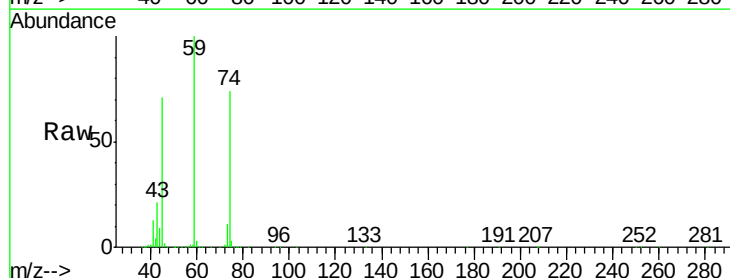
Tot Ion:101 Resp: 1469767
Ion Ratio Lower Upper
101 100
103 64.0 51.7 77.5

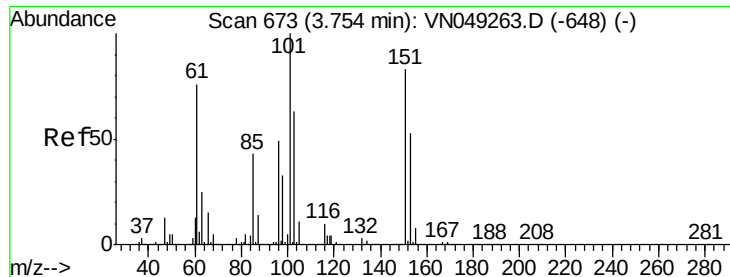


#8

Diethyl Ether
Concen: 47.73 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 74 Resp: 521316
Ion Ratio Lower Upper
74 100
45 95.4 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.39 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

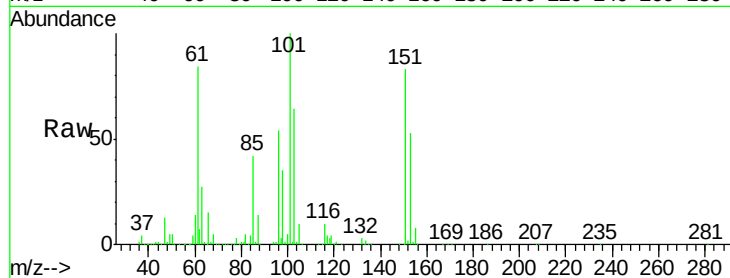
Tot Ion:101 Resp: 920559

Ion Ratio Lower Upper

101 100

85 42.9 37.6 56.4

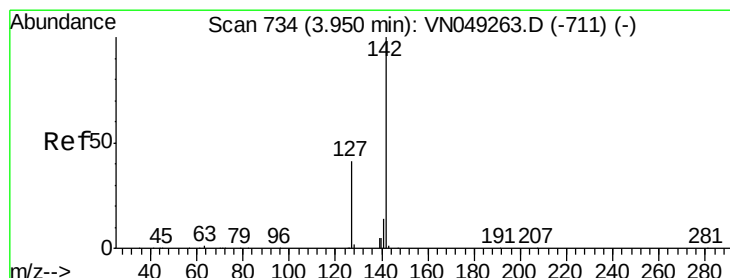
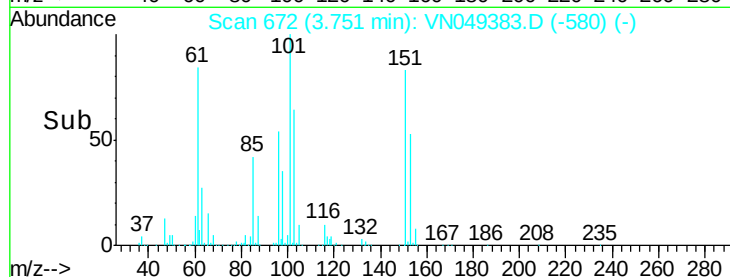
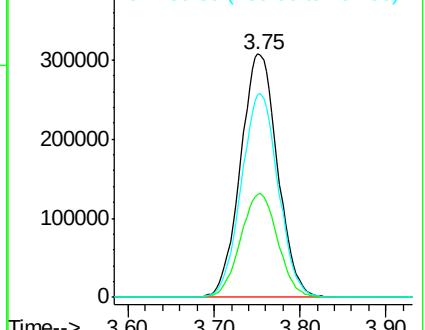
151 83.4 61.1 91.7



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: 47.46 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

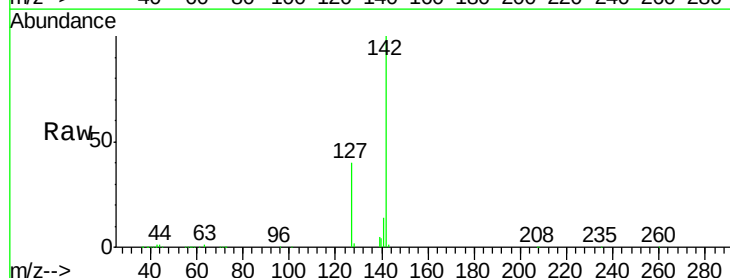
Tgt Ion:142 Resp: 980386

Ion Ratio Lower Upper

142 100

127 41.0 38.2 57.4

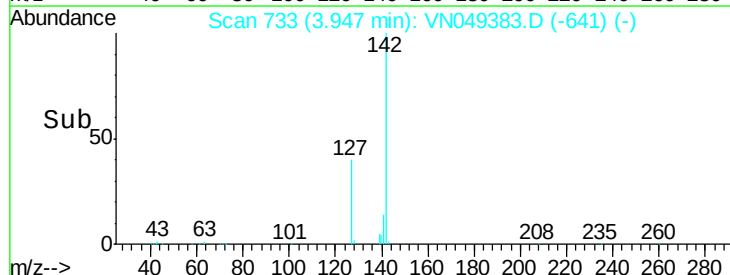
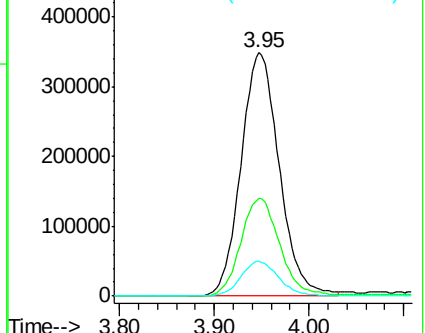
141 14.1 11.9 17.9

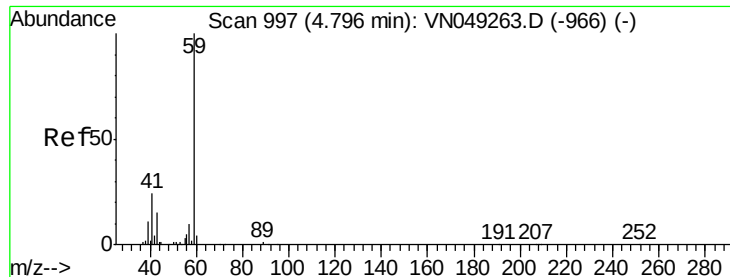


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

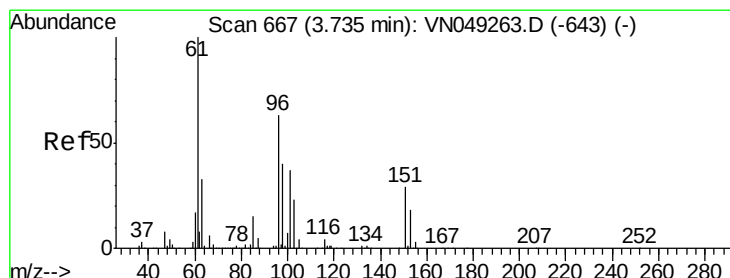
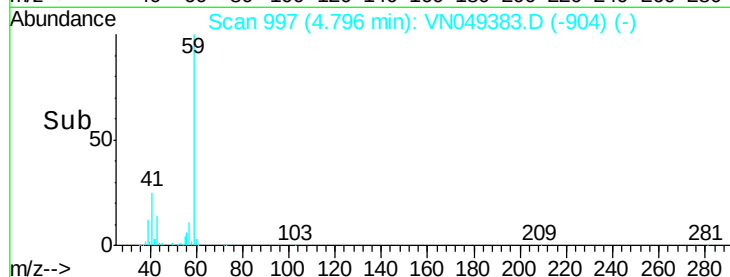
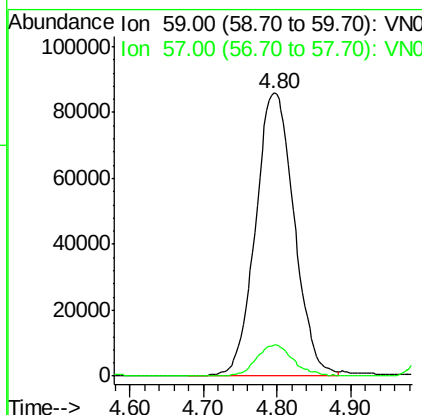
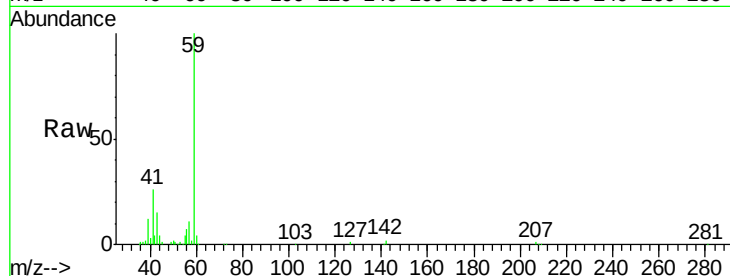




#11
Tert butyl alcohol
Concen: 253.80 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

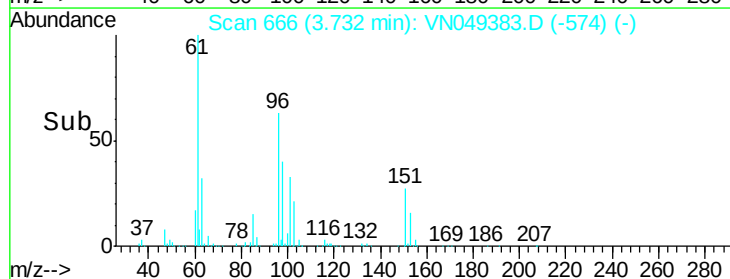
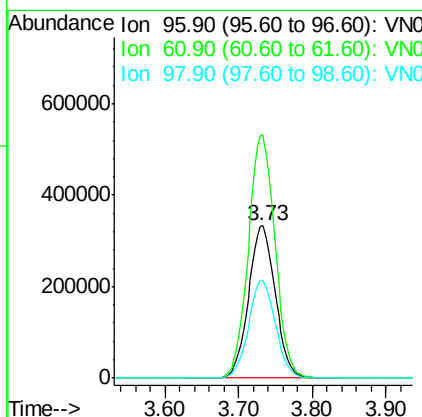
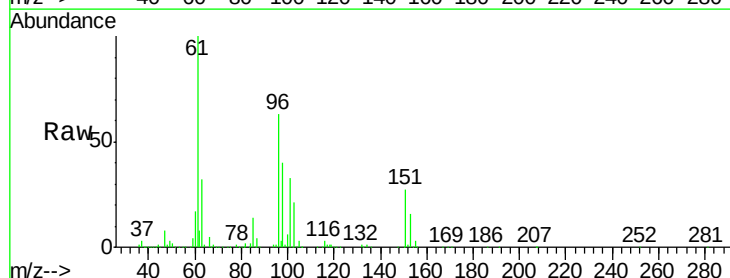
Instrument :
MSVOA_N
ClientSampleId :

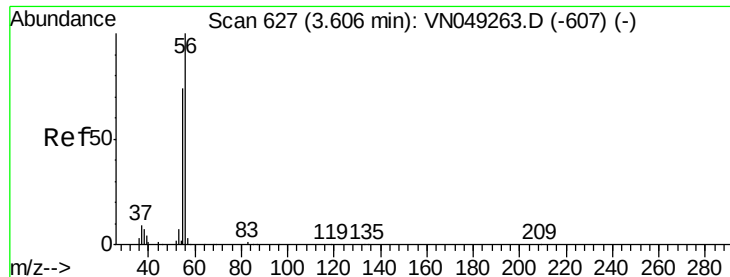
Tot Ion: 59 Resp: 313671
Ion Ratio Lower Upper
59 100
57 10.6 9.0 13.6



#12
1,1-Dichloroethene
Concen: 46.28 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 96 Resp: 842394
Ion Ratio Lower Upper
96 100
61 159.5 141.0 211.4
98 63.8 50.4 75.6





#13

Acrolein

Concen: 361.03 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

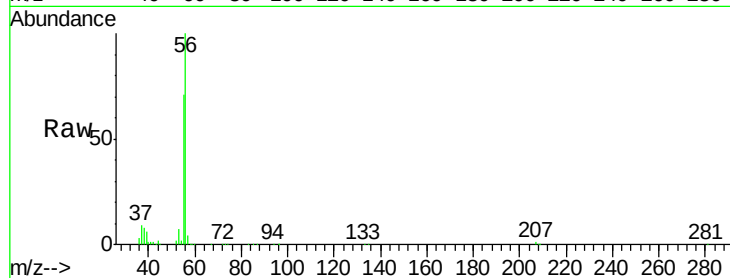
ClientSampleId :

Tot Ion: 56 Resp: 467926

Ion Ratio Lower Upper

56 100

55 71.5 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

200000

150000

100000

50000

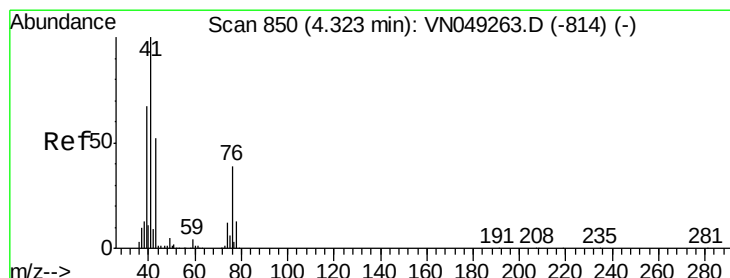
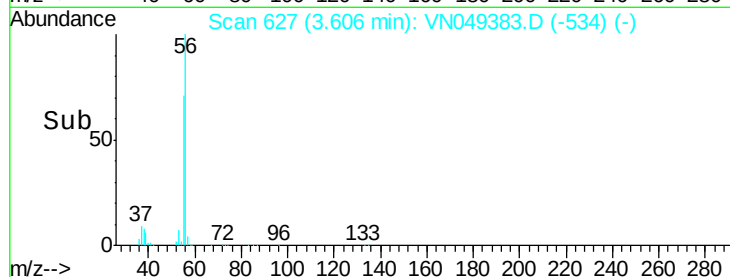
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 48.26 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

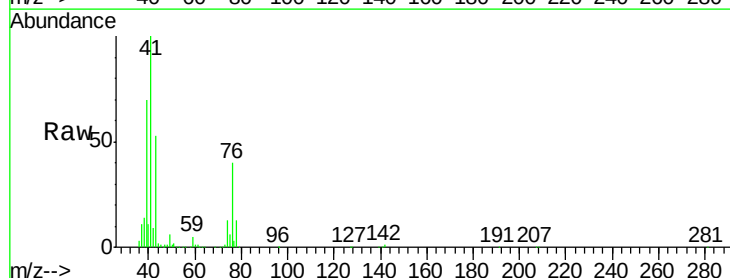
Tgt Ion: 41 Resp: 1387016

Ion Ratio Lower Upper

41 100

39 66.3 62.5 93.7

76 37.0 27.1 40.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

600000

500000

400000

300000

200000

100000

0

Time-->

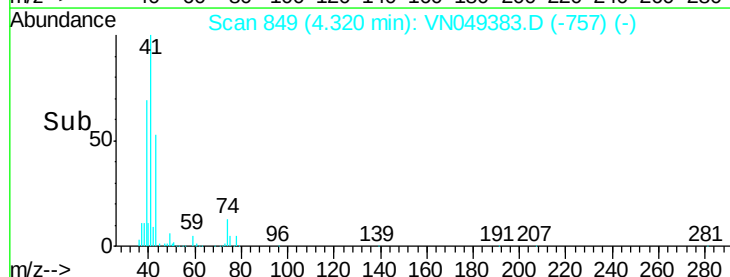
4.10

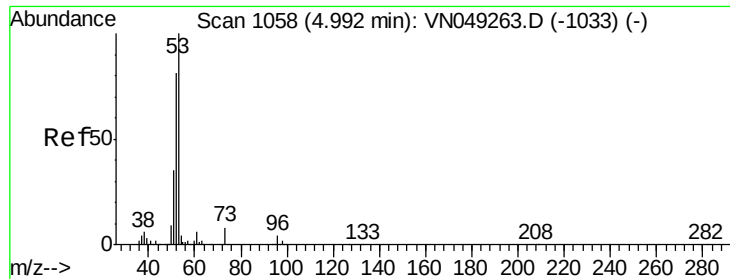
4.20

4.30

4.40

4.50



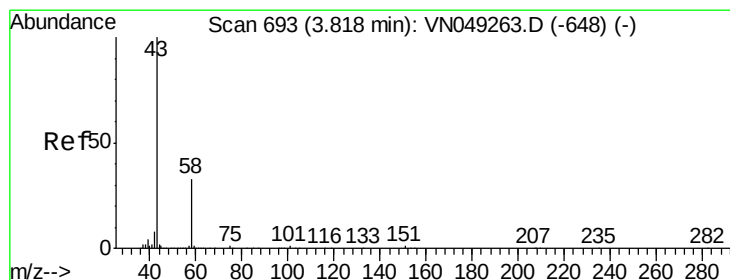
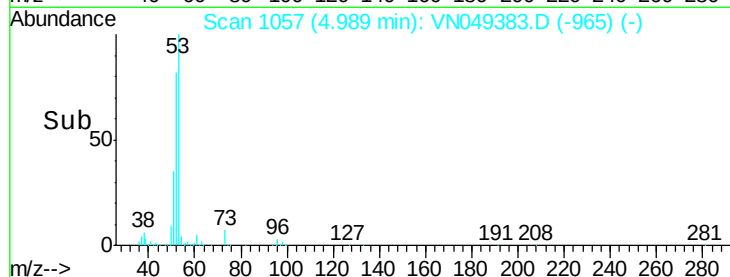
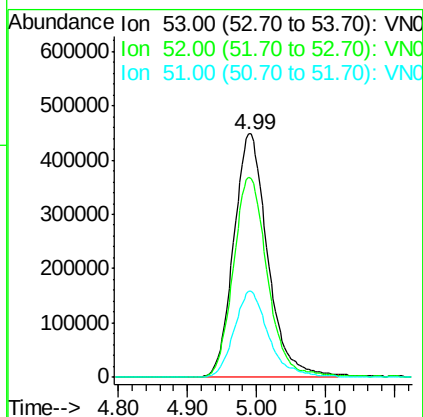
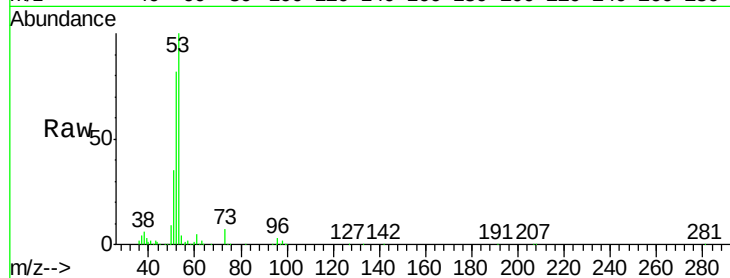


#15
 Acrylonitrile
 Concen: 247.98 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 53 Resp: 1532504

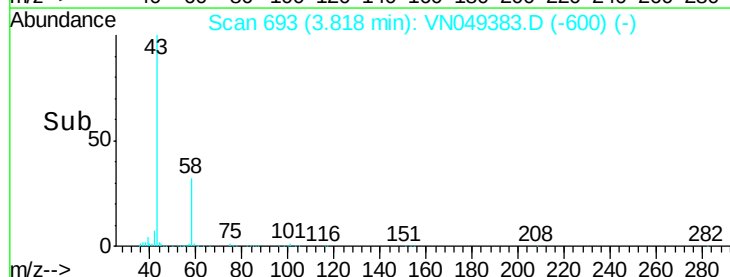
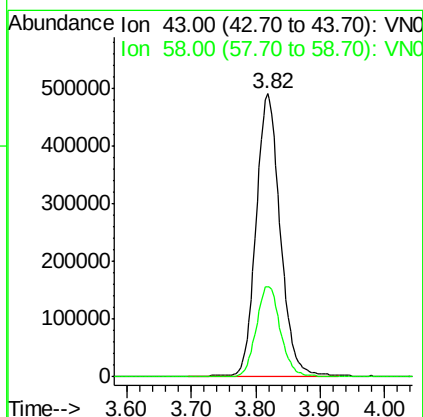
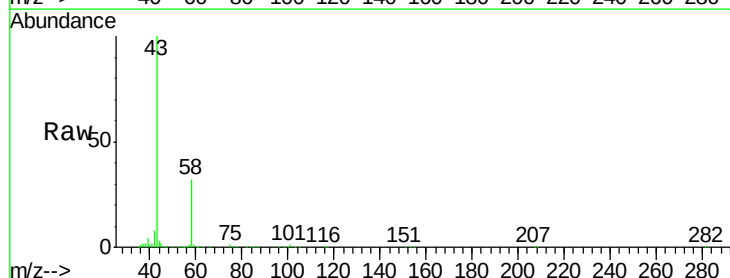
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	100.0
51	36.2	29.8	44.8

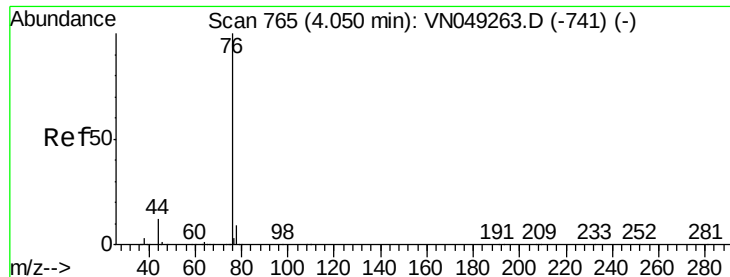


#16
 Acetone
 Concen: 251.39 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion: 43 Resp: 1285320

Ion	Ratio	Lower	Upper
43	100		
58	32.0	22.4	33.6





#17

Carbon Disulfide

Concen: 44.68 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

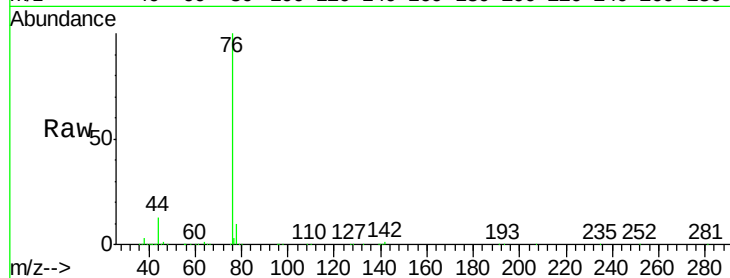
ClientSampleId :

Tot Ion: 76 Resp: 2549334

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN049263.D (-741) (-)

Ion 77.90 (77.60 to 78.60): VN049263.D (-741) (-)

4.05

800000

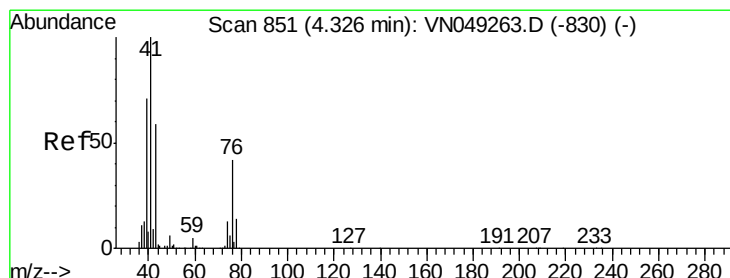
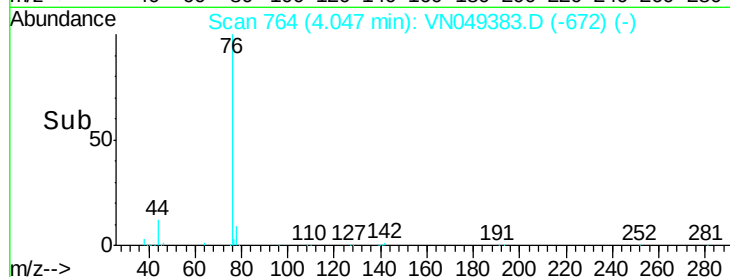
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 47.60 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049383.D

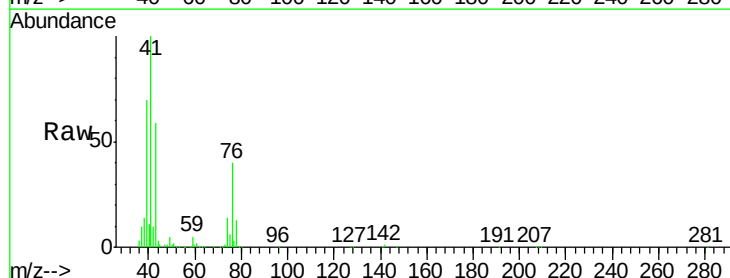
Acq: 19 Jun 2018 13:44

Tgt Ion: 43 Resp: 742004

Ion Ratio Lower Upper

43 100

74 24.9 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN049263.D (-830) (-)

4.33

300000

250000

200000

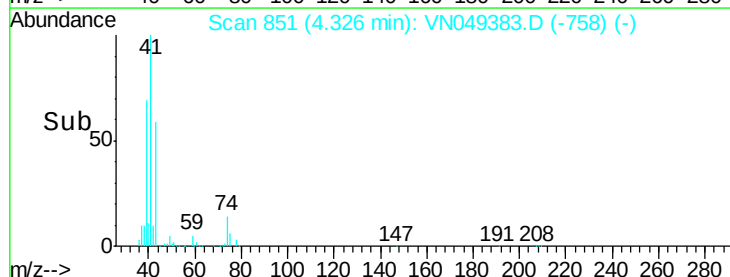
150000

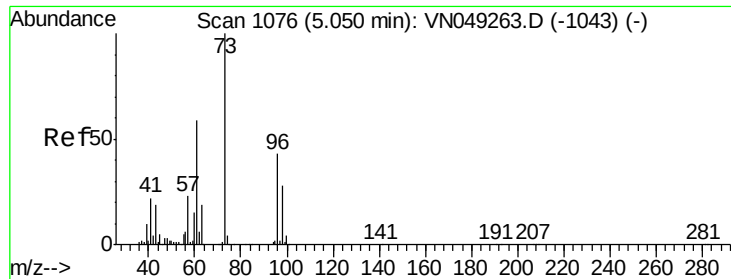
100000

50000

0

Time-->



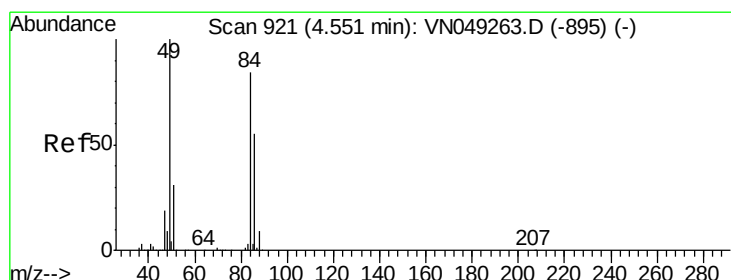
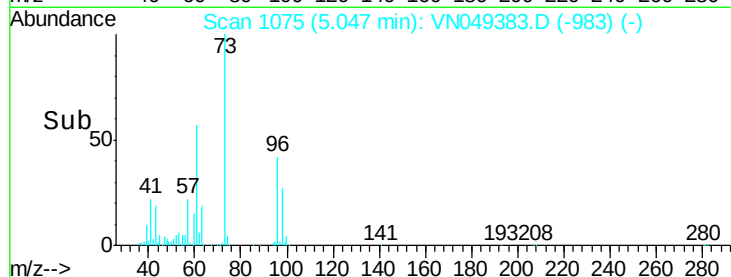
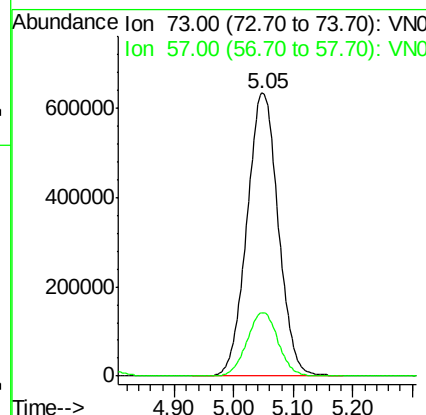
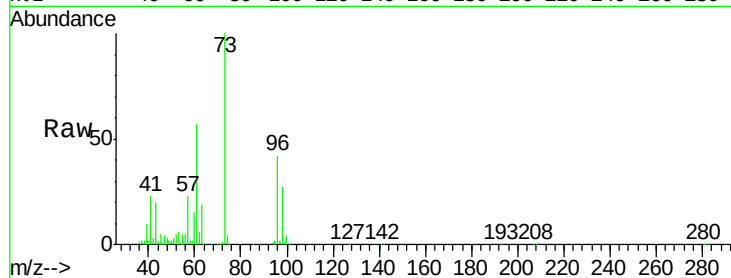


#19

Methyl tert-butyl Ether
 Concen: 50.35 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Instrument :
 MSVOA_N
 ClientSampled :

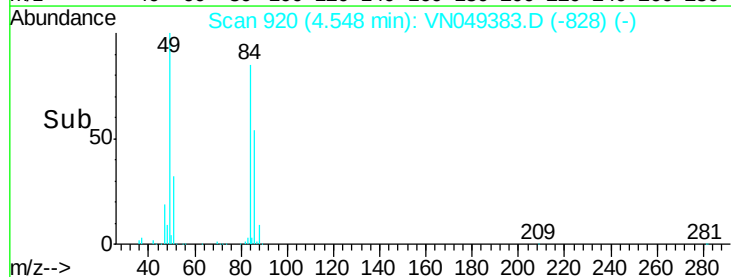
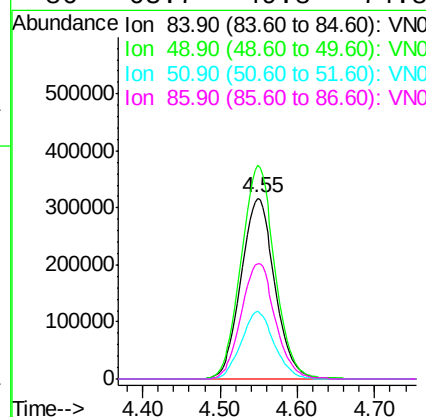
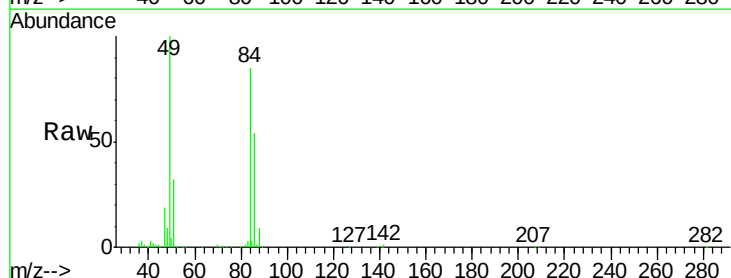
Tot Ion: 73 Resp: 2336705
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.2 27.4

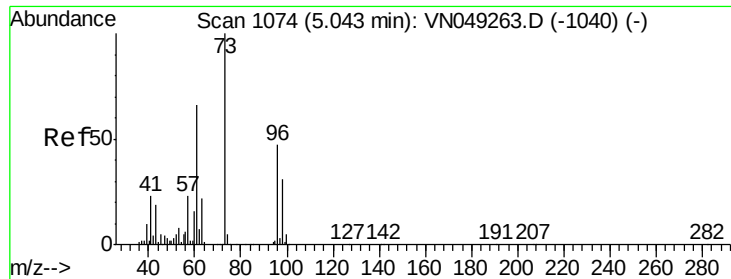


#20

Methylene Chloride
 Concen: 45.01 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion: 84 Resp: 961150
 Ion Ratio Lower Upper
 84 100
 49 118.3 106.9 160.3
 51 37.3 32.7 49.1
 86 63.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.82 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampled :

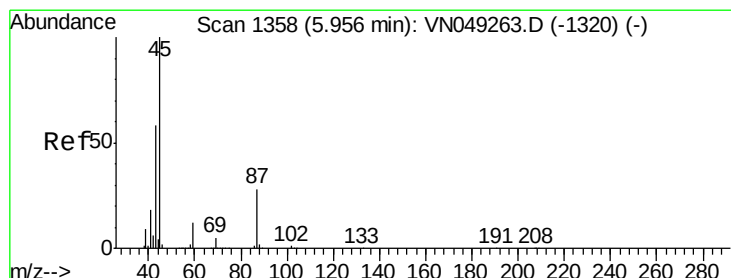
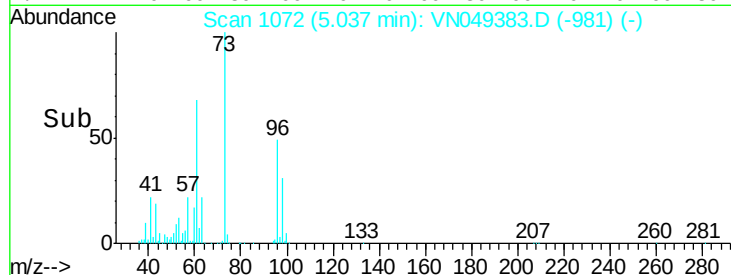
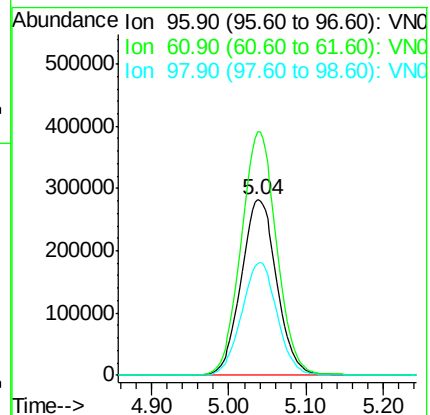
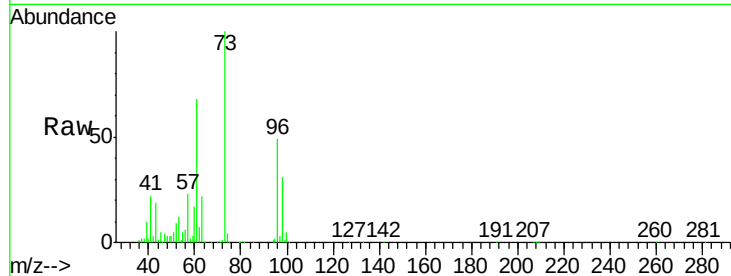
Tot Ion: 96 Resp: 902350

Ion Ratio Lower Upper

96 100

61 138.9 121.3 181.9

98 64.1 52.0 78.0



#22

Diisopropyl ether

Concen: 49.25 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Tgt Ion: 45 Resp: 2826733

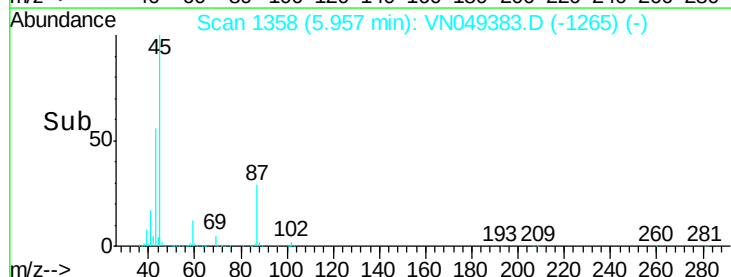
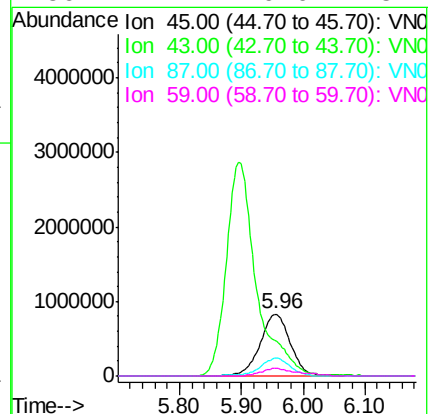
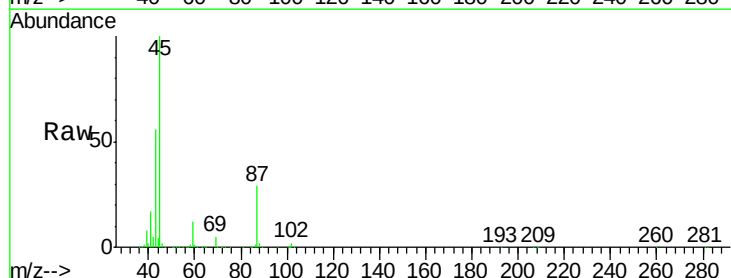
Ion Ratio Lower Upper

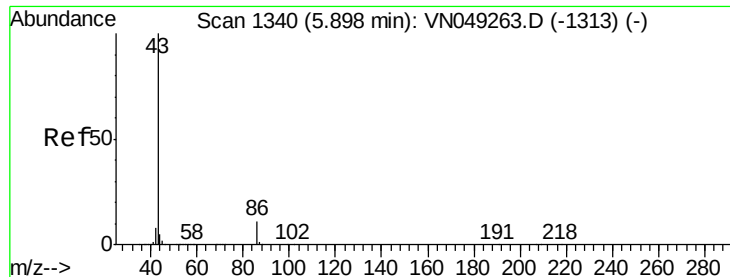
45 100

43 55.5 48.6 72.8

87 28.2 20.2 30.2

59 11.7 9.0 13.4





#23

Vinyl Acetate

Concen: 259.50 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

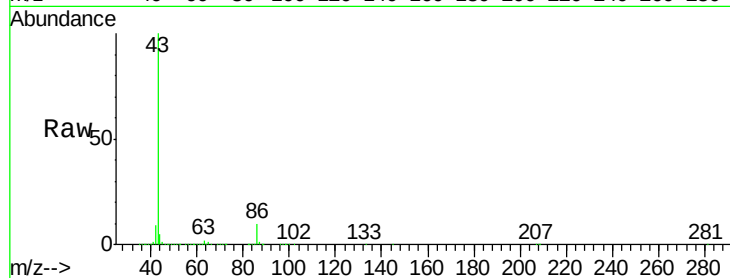
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 9709919

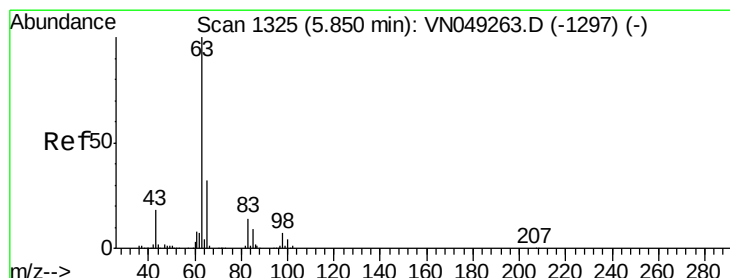
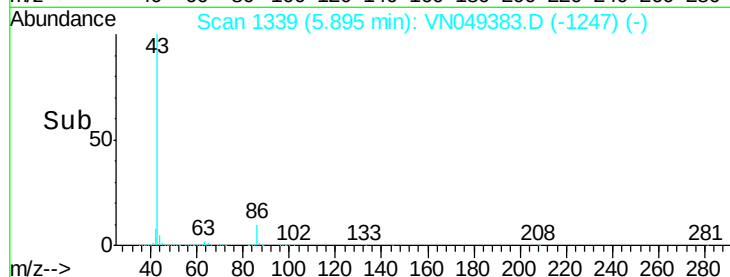
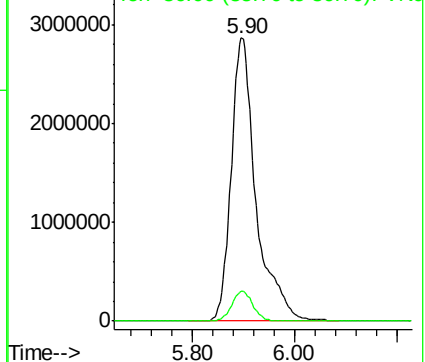
Ion Ratio Lower Upper

43 100

86 10.4 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.92 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

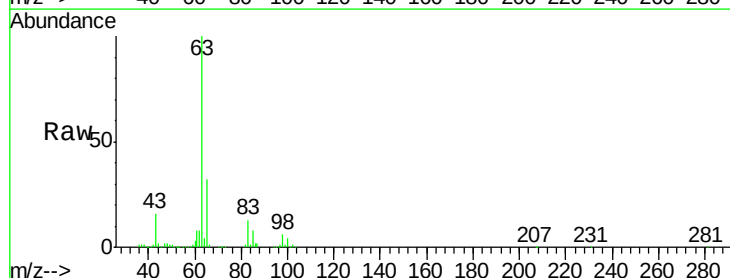
Tgt Ion: 63 Resp: 1686900

Ion Ratio Lower Upper

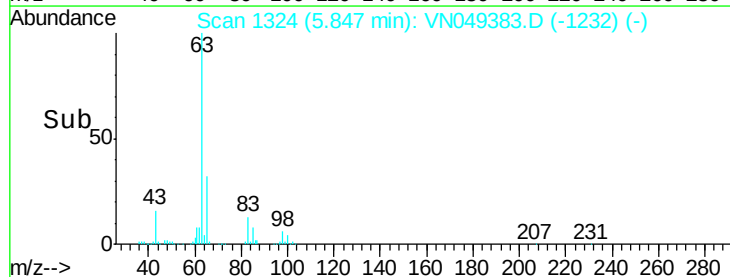
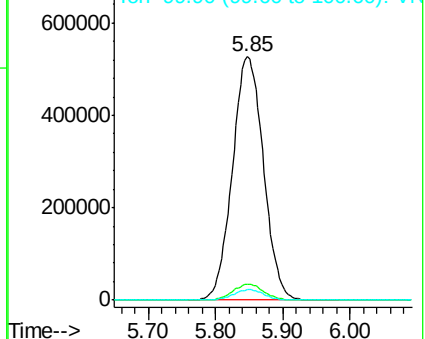
63 100

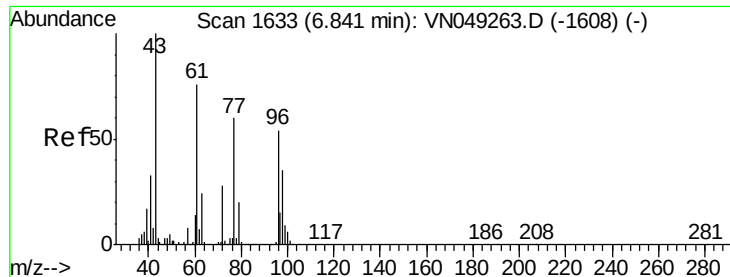
98 6.5 2.9 8.8

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0

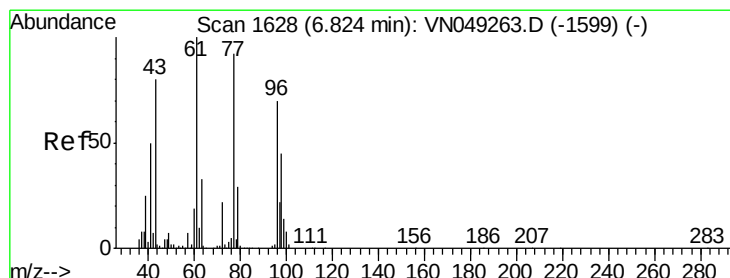
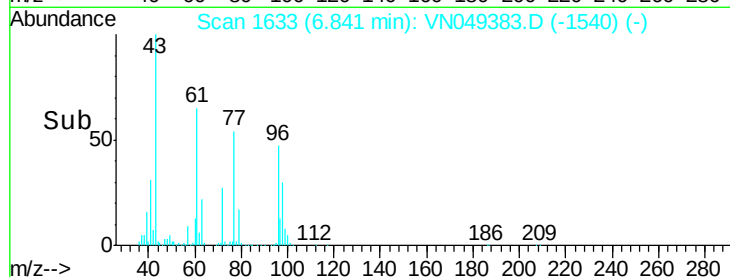
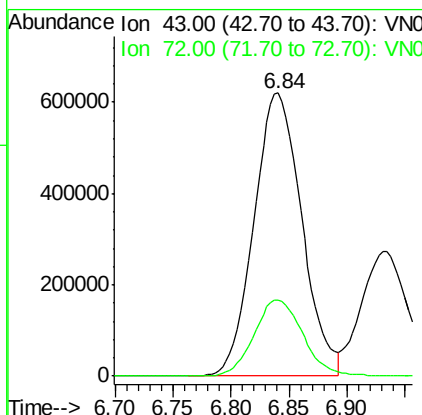
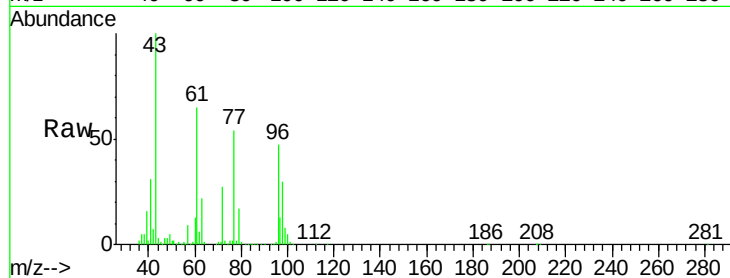




#25
2-Butanone
Concen: 258.88 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

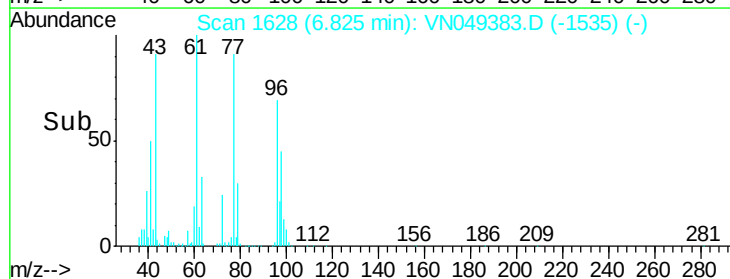
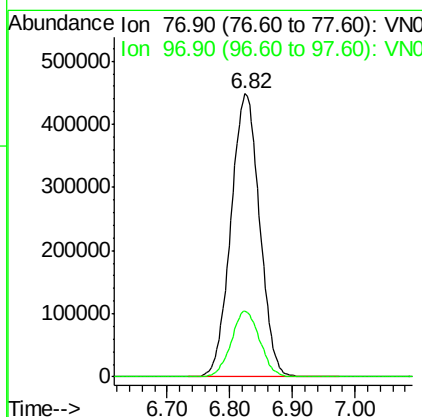
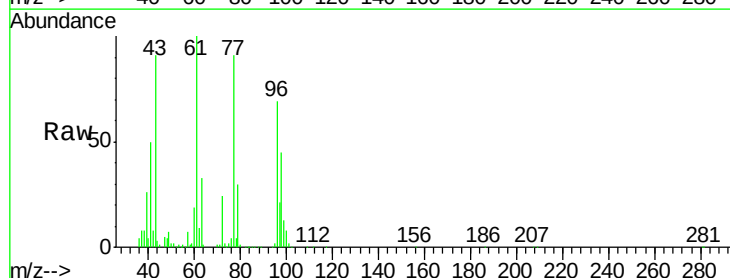
Instrument :
MSVOA_N
ClientSampled :

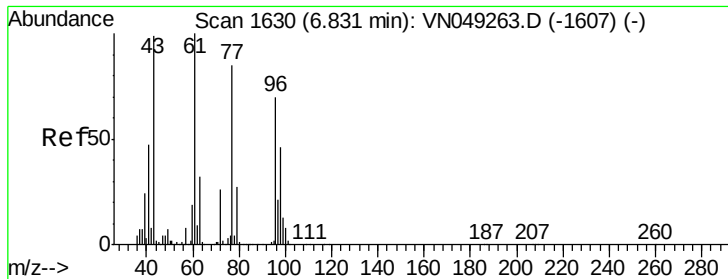
Tot Ion: 43 Resp: 1777272
Ion Ratio Lower Upper
43 100
72 26.8 20.2 30.2



#26
2,2-Dichloropropane
Concen: 47.86 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 77 Resp: 1419920
Ion Ratio Lower Upper
77 100
97 23.2 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 47.44 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

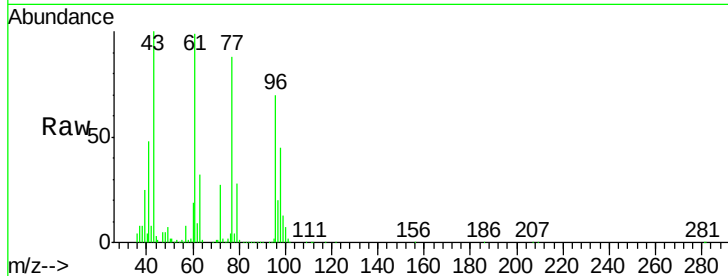
Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 1016528

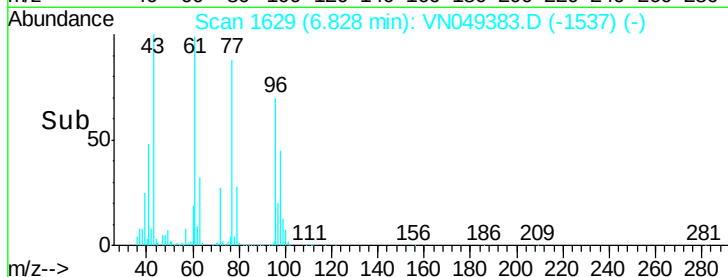
Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	316.4
98	65.2	0.0	128.4



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



6.83

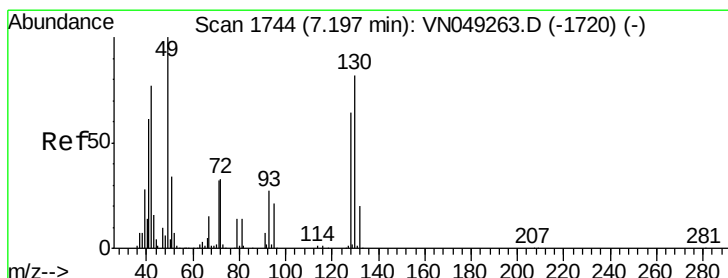
400000

200000

0

Time-->

6.70 6.80 6.90 7.00



#28

Bromochloromethane

Concen: 45.65 ug/l

RT: 7.19 min Scan# 1743

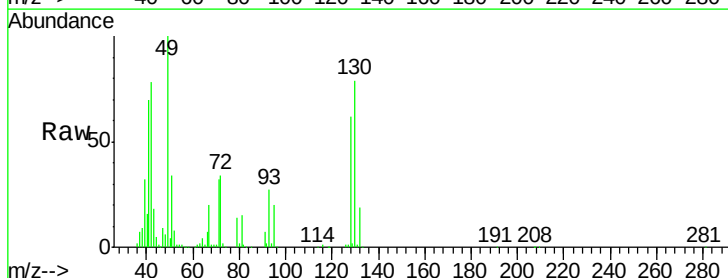
Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Tgt Ion: 49 Resp: 743552

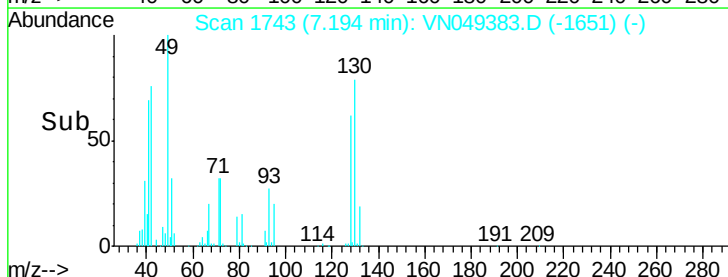
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	81.1	54.9	82.3



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



7.19

300000

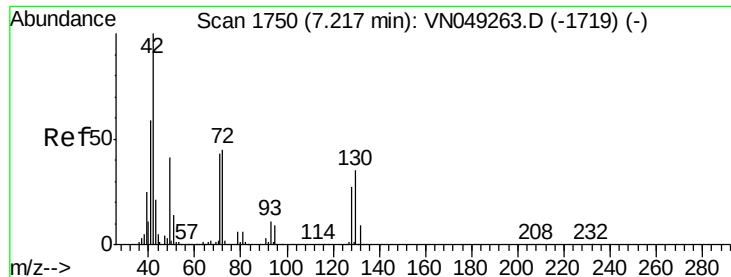
200000

100000

0

Time-->

7.10 7.20 7.30

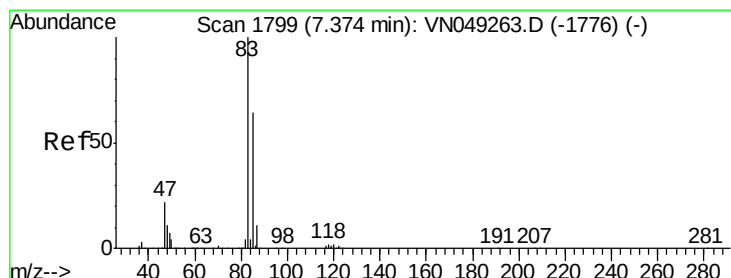
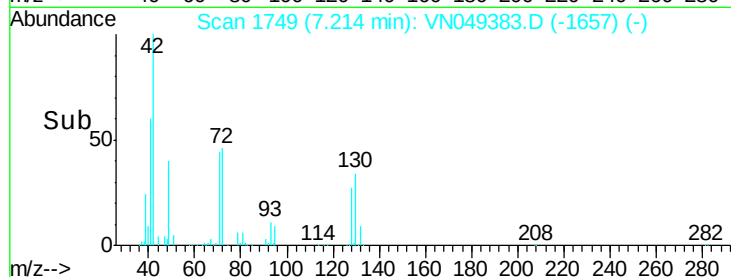
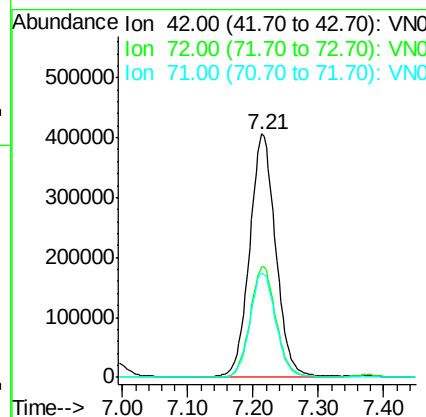
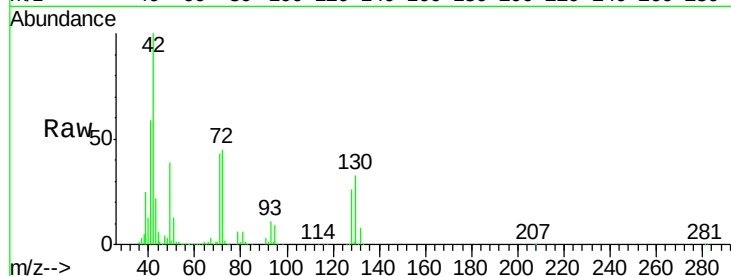


#29
Tetrahydrofuran
Concen: 255.09 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 1127302

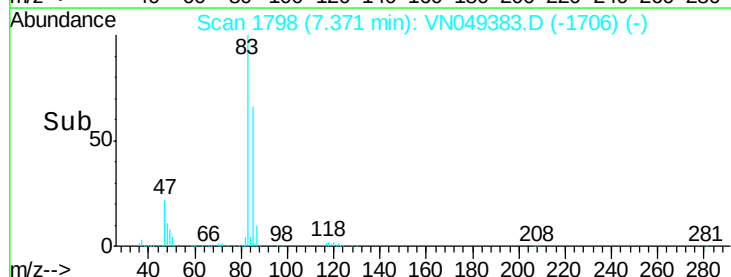
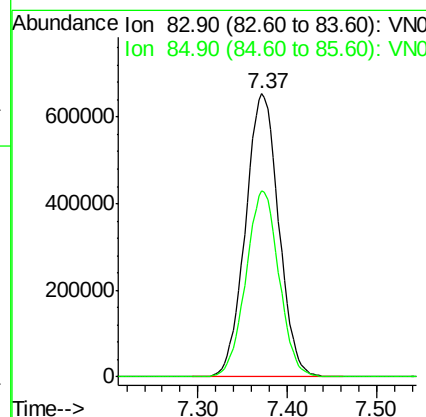
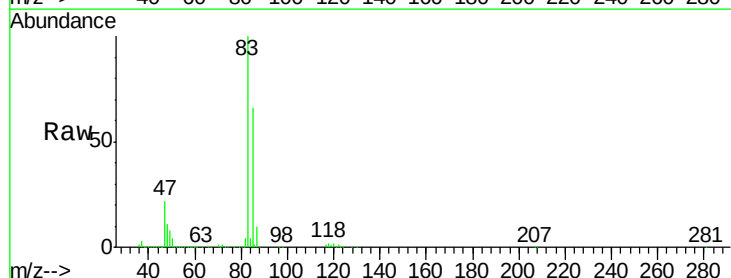
Ion	Ratio	Lower	Upper
42	100		
72	44.8	32.2	48.4
71	42.3	30.5	45.7

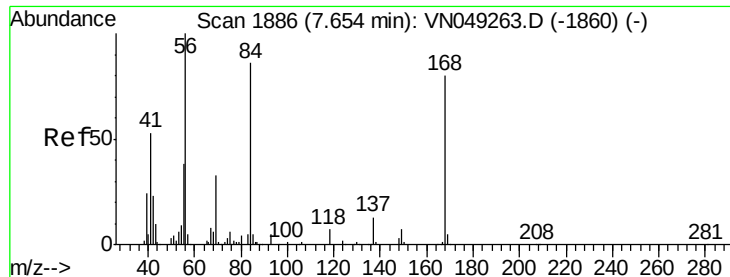


#30
Chloroform
Concen: 46.44 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 83 Resp: 1697780

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.7	77.5

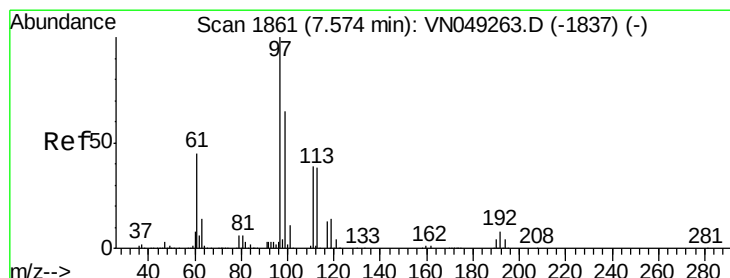
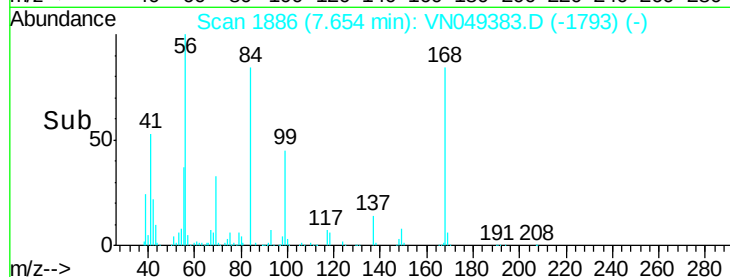
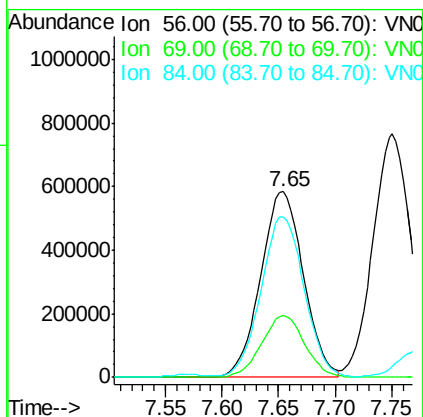
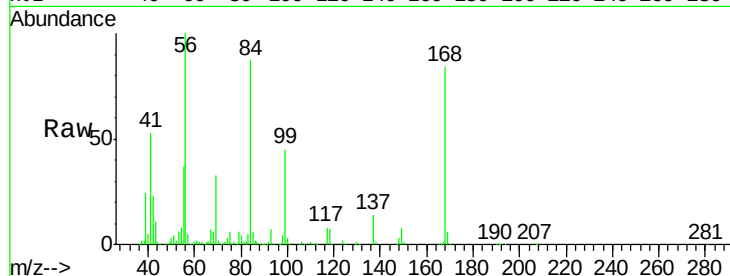




#31
Cyclohexane
Concen: 49.26 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

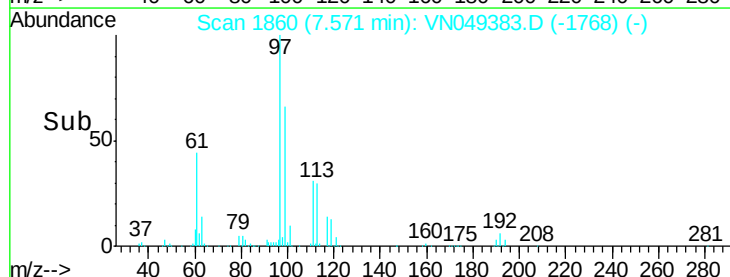
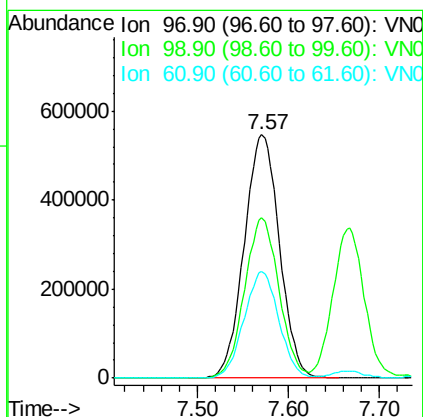
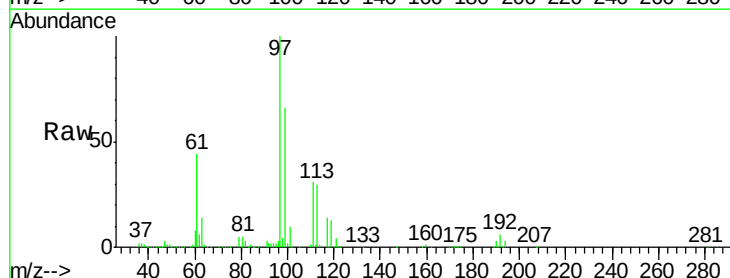
Instrument :
MSVOA_N
ClientSampled :

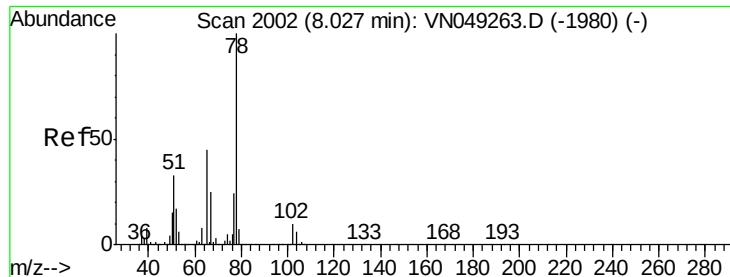
Tot Ion: 56 Resp: 1534314
Ion Ratio Lower Upper
56 100
69 33.5 25.0 37.4
84 85.4 64.6 96.8



#32
1,1,1-Trichloroethane
Concen: 47.13 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 97 Resp: 1470324
Ion Ratio Lower Upper
97 100
99 64.6 50.5 75.7
61 43.3 37.9 56.9

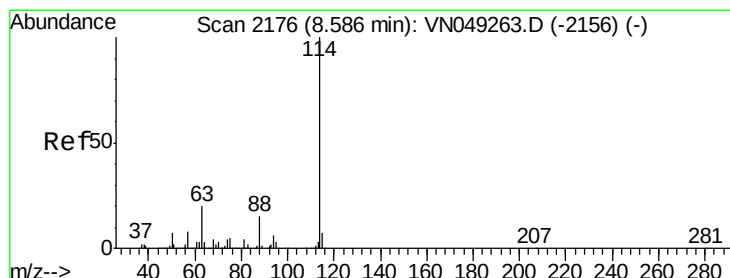
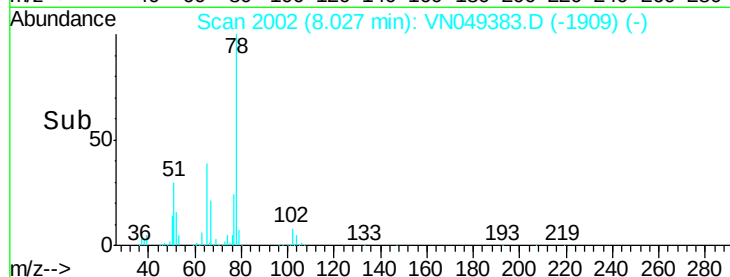
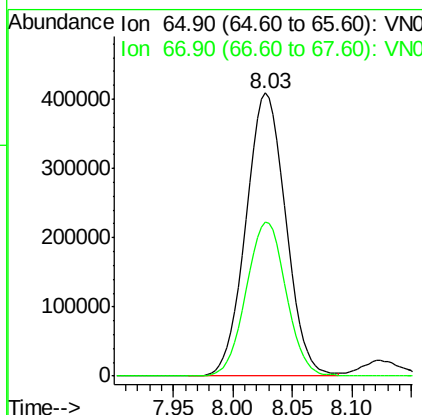
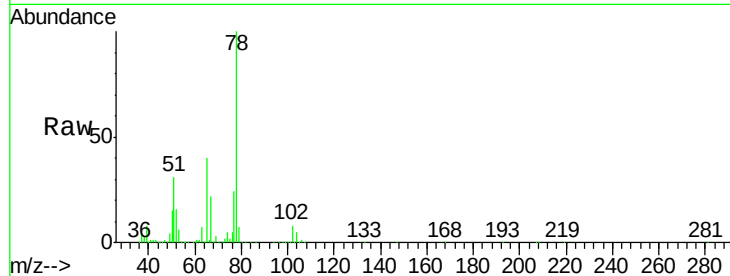




#33
 1,2-Dichloroethane-d4
 Concen: 45.13 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

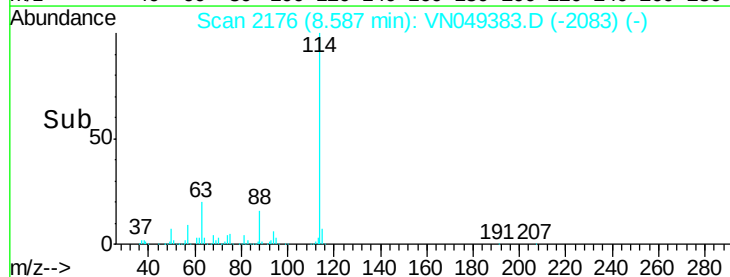
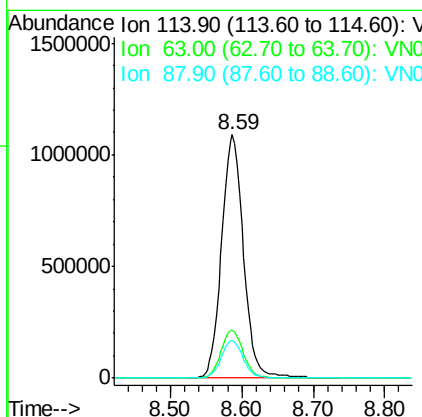
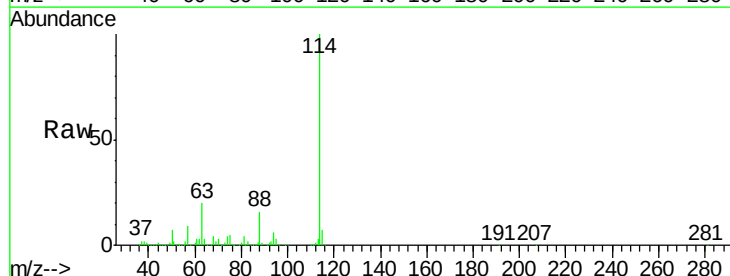
Instrument :
 MSVOA_N
 ClientSampleId :

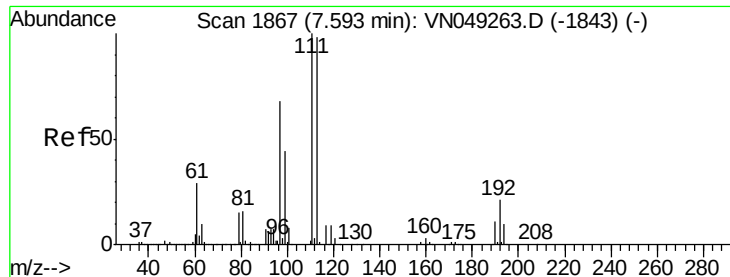
Tot Ion: 65 Resp: 950279
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion: 114 Resp: 2323727
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 44.4
 88 15.6 0.0 31.4

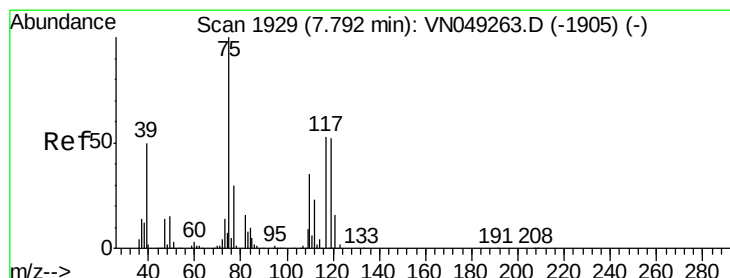
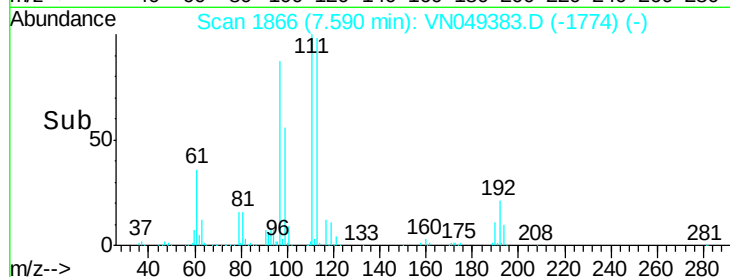
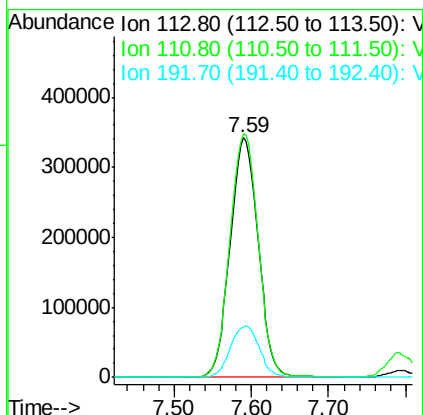
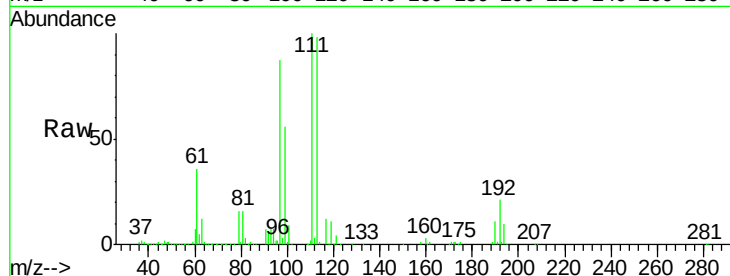




#35
 Dibromofluoromethane
 Concen: 45.71 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

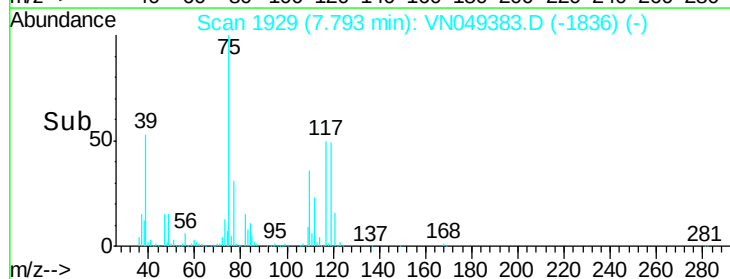
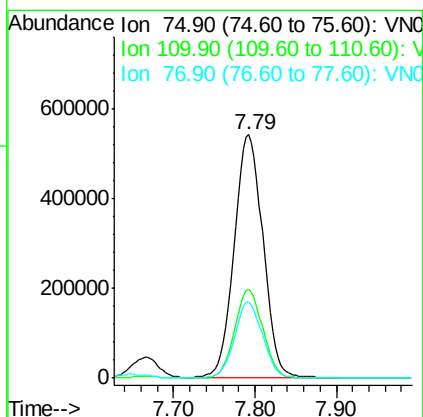
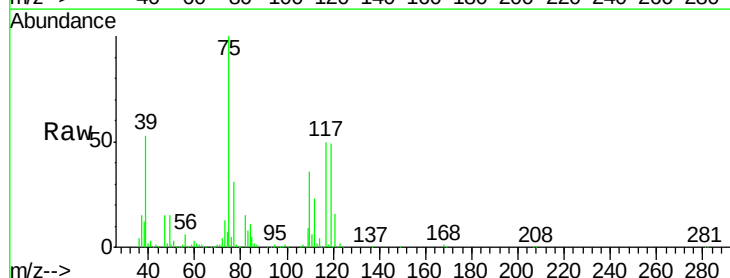
Instrument :
 MSVOA_N
 ClientSampleId :

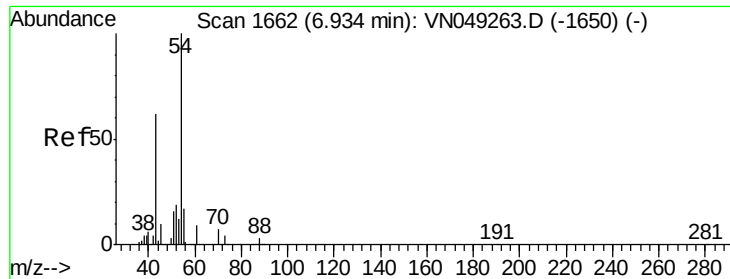
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	22.1	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 50.07 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.0	50.9
77	30.5	24.4	36.6

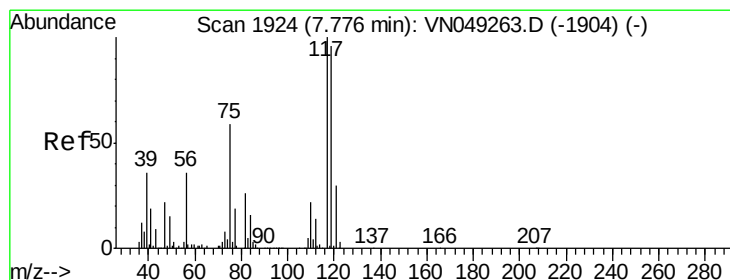
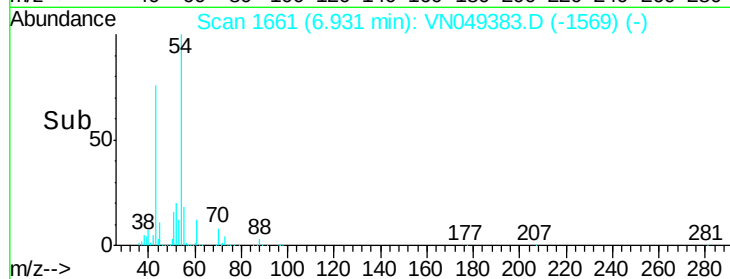
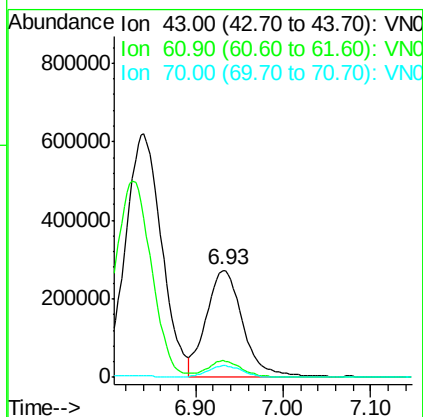
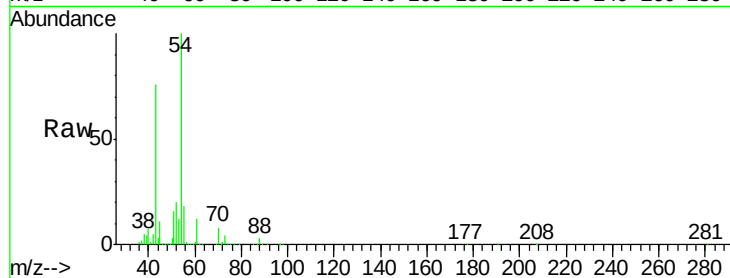




#37
Ethyl Acetate
Concen: 54.15 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

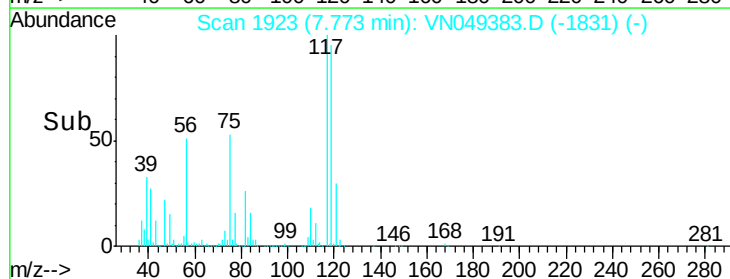
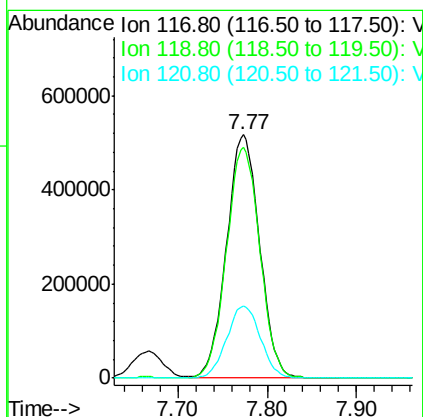
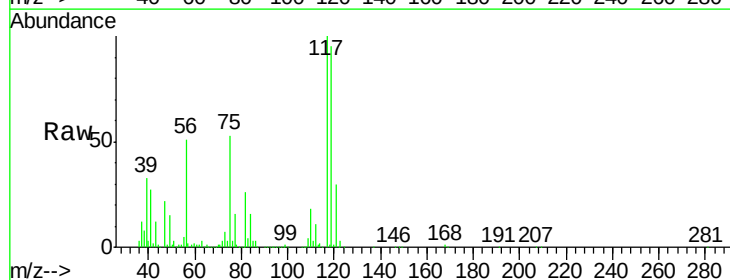
Instrument :
MSVOA_N
ClientSampleId :

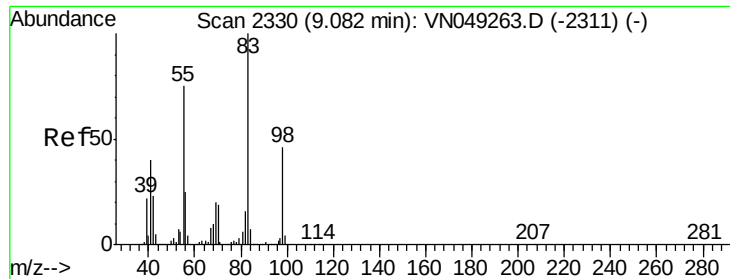
Tot Ion: 43 Resp: 784064
Ion Ratio Lower Upper
43 100
61 14.5 11.0 16.4
70 10.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 48.04 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 117 Resp: 1324581
Ion Ratio Lower Upper
117 100
119 94.6 75.6 113.4
121 29.6 24.7 37.1

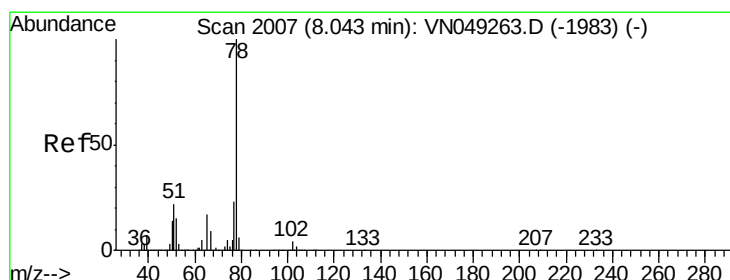
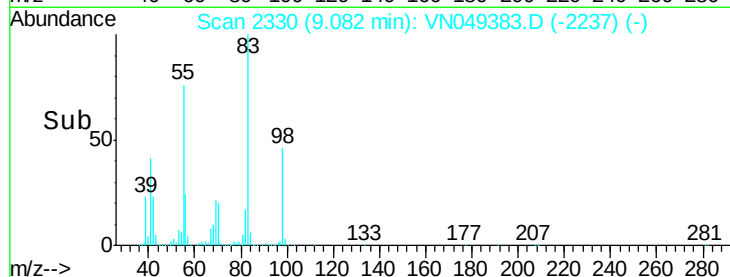
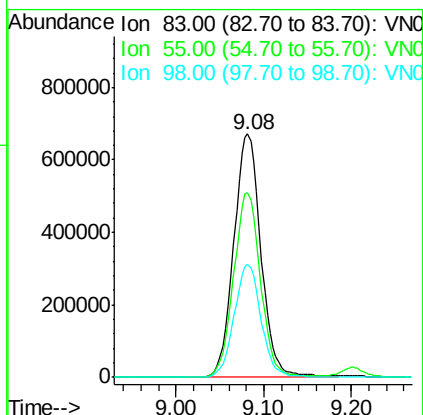
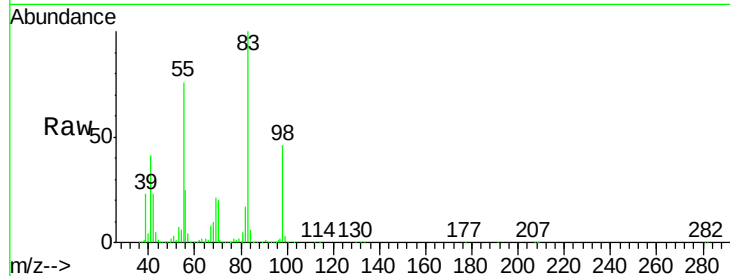




#39
Methylvlcyclohexane
Concen: 50.82 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

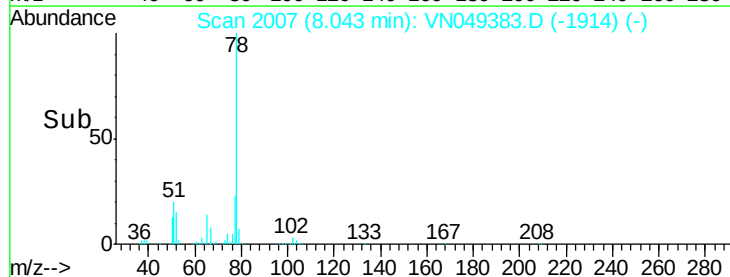
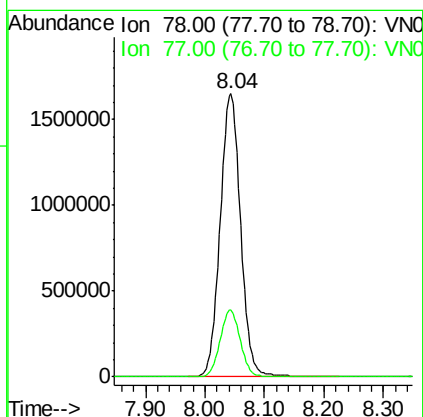
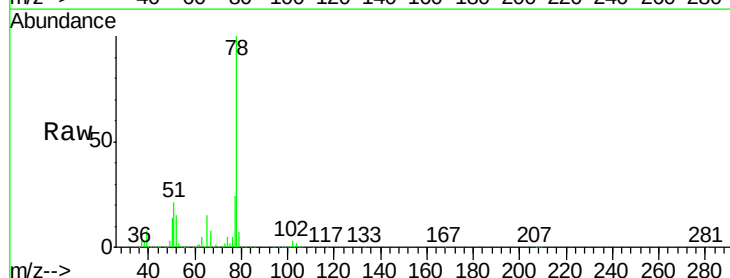
Instrument :
MSVOA_N
ClientSampled :

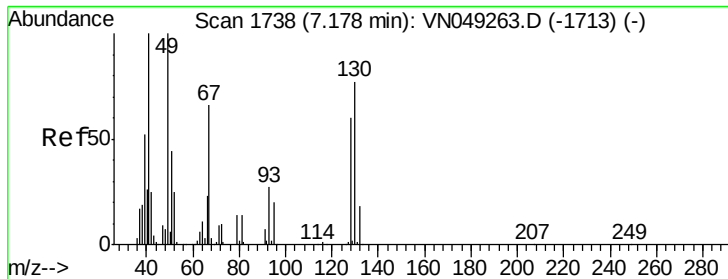
Tot Ion: 83 Resp: 1452822
Ion Ratio Lower Upper
83 100
55 76.1 65.1 97.7
98 46.3 36.5 54.7



#40
Benzene
Concen: 48.09 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 78 Resp: 3926771
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.0

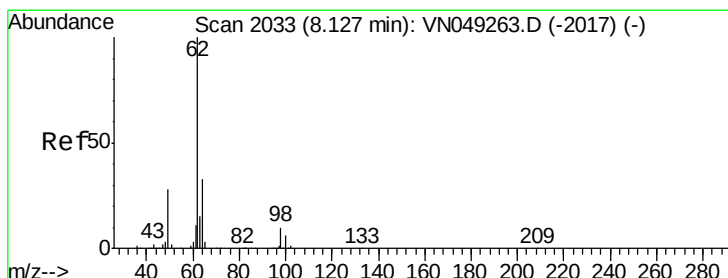
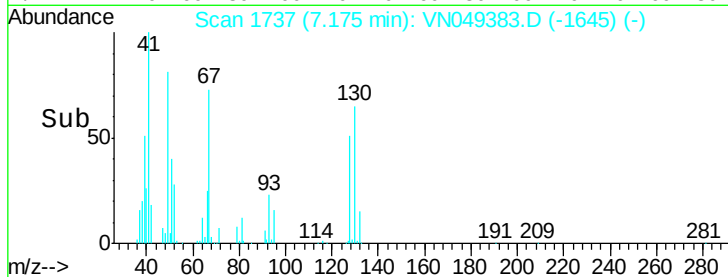
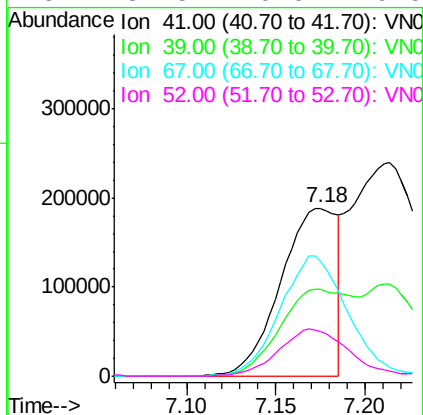
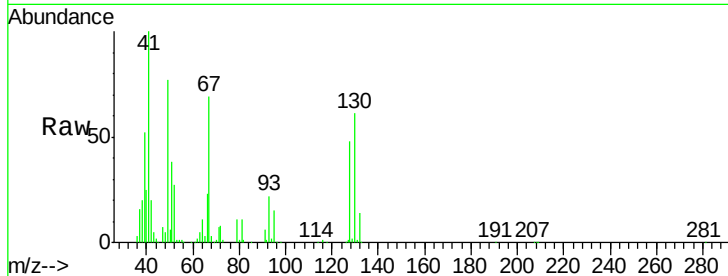




#41
Methacrylonitrile
Concen: 52.53 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

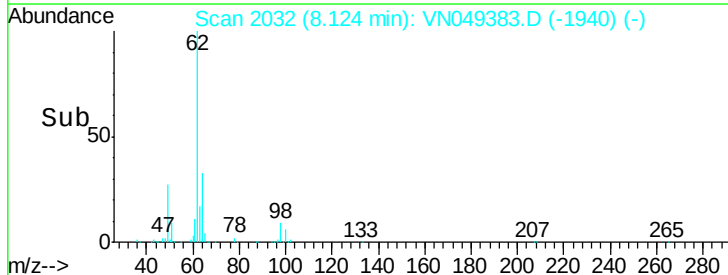
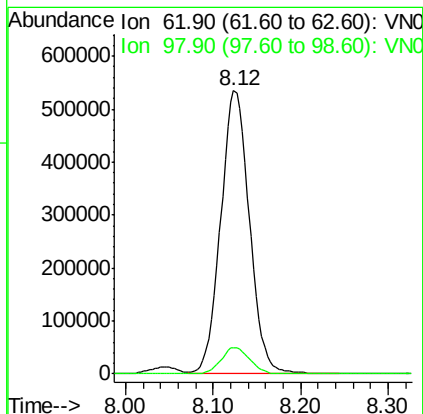
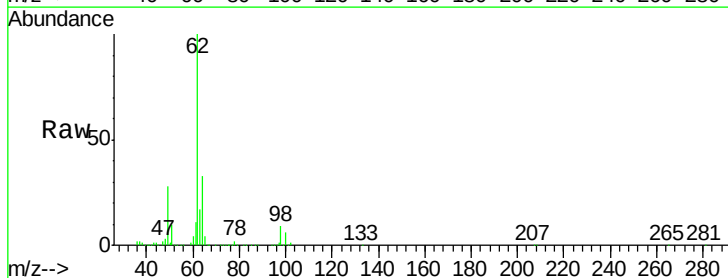
Instrument :
MSVOA_N
ClientSampled :

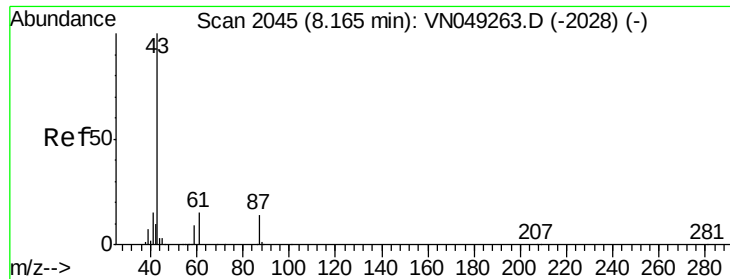
Tot Ion:	41	Resp:	411155
Ion	Ratio	Lower	Upper
41	100		
39	64.9	0.0	0.0#
67	87.4	0.0	0.0#
52	34.5	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 48.16 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion:	62	Resp:	1214765
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 52.81 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

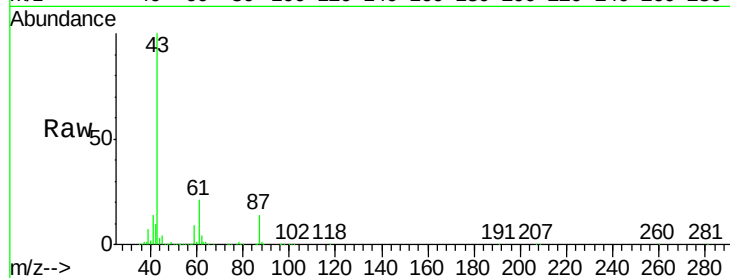
Tot Ion: 43 Resp: 1460919

Ion Ratio Lower Upper

43 100

61 20.1 14.2 21.4

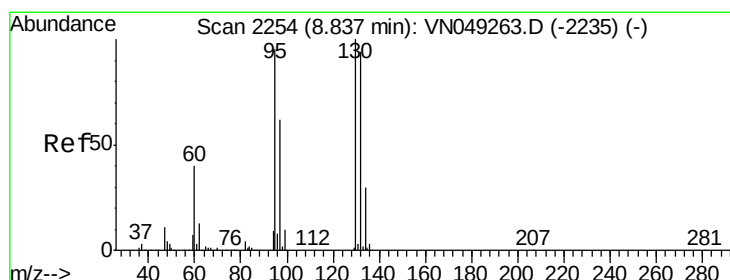
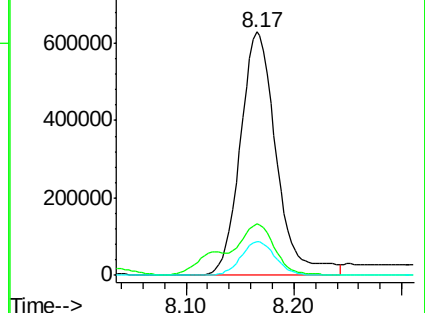
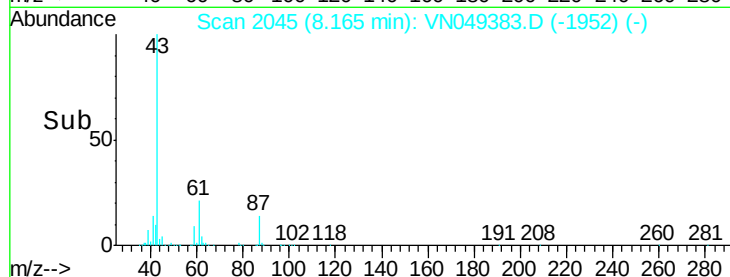
87 13.3 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049383.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049383.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049383.D (-1952) (-)



#44

Trichloroethene

Concen: 48.44 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049383.D

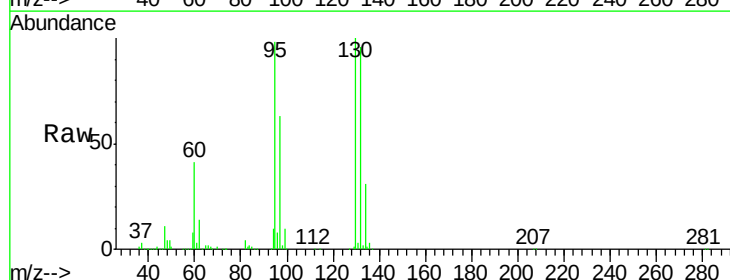
Acq: 19 Jun 2018 13:44

Tgt Ion:130 Resp: 1044516

Ion Ratio Lower Upper

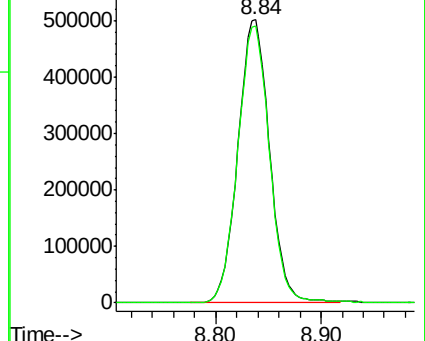
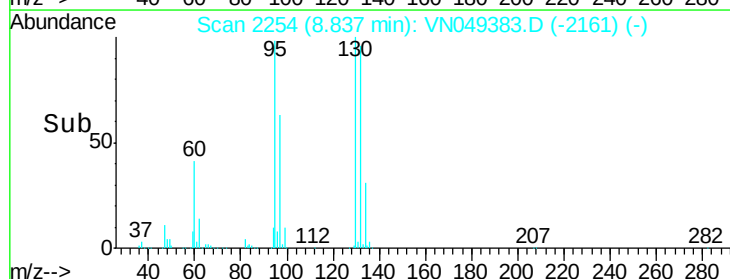
130 100

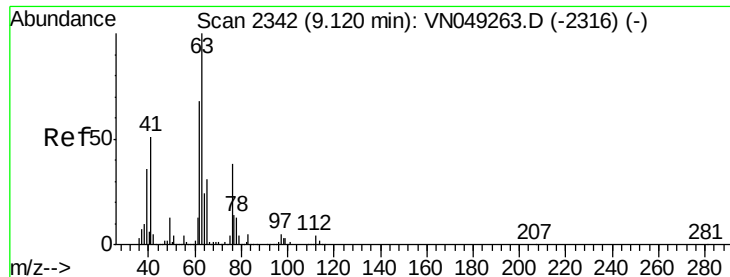
95 97.8 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049383.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049383.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 47.58 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

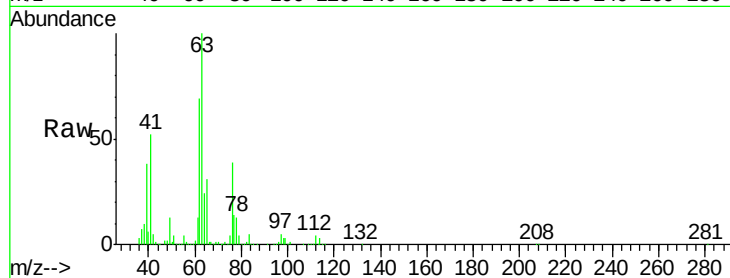
ClientSampled :

Tot Ion: 63 Resp: 1017133

Ion Ratio Lower Upper

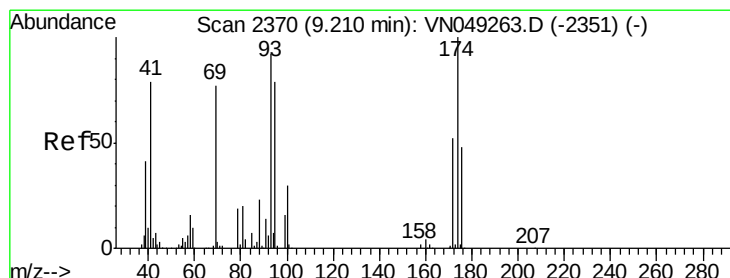
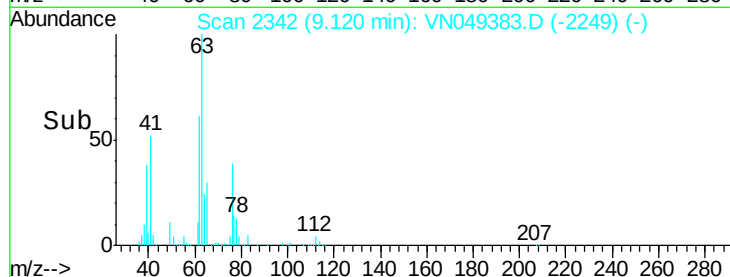
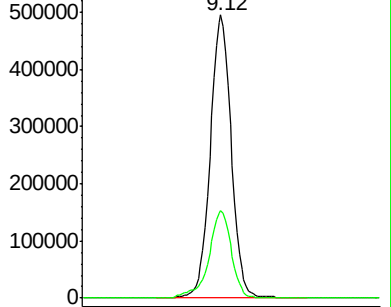
63 100

65 30.9 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 48.87 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

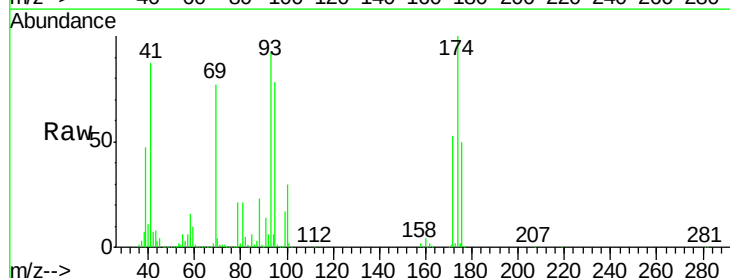
Tgt Ion: 93 Resp: 605817

Ion Ratio Lower Upper

93 100

95 83.0 67.2 100.8

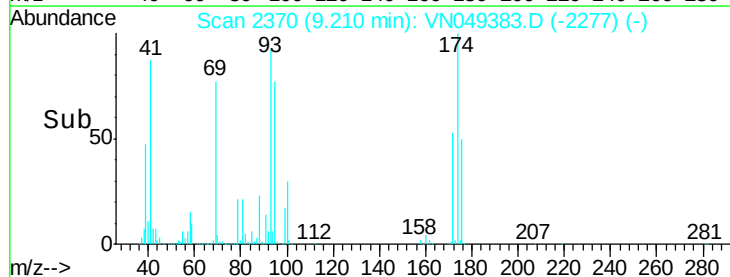
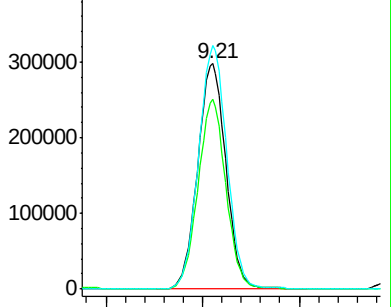
174 108.2 75.6 113.4

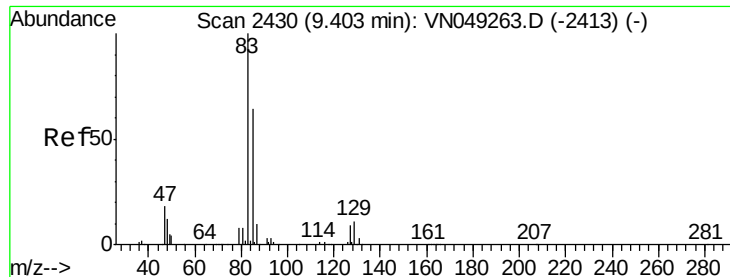


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 47.84 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :
MSVOA_N
ClientSampled :

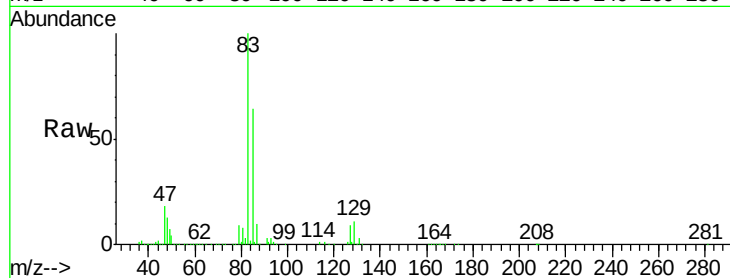
Tot Ion: 83 Resp: 1303103

Ion Ratio Lower Upper

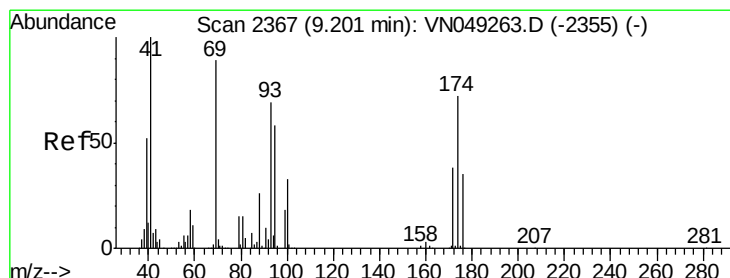
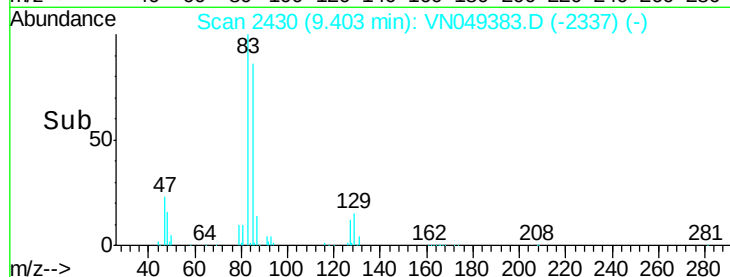
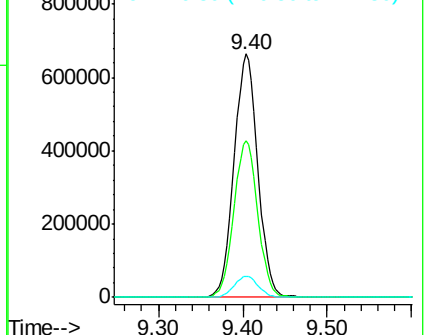
83 100

85 64.4 49.4 74.0

127 8.8 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 54.34 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

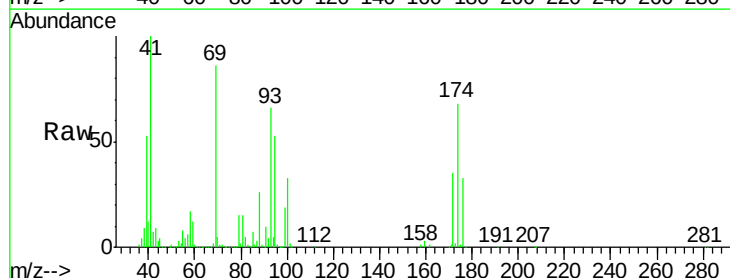
Tgt Ion: 41 Resp: 707909

Ion Ratio Lower Upper

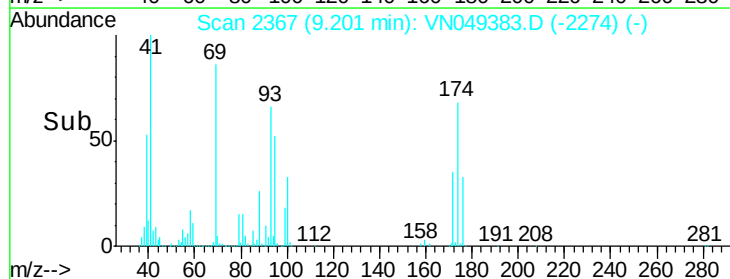
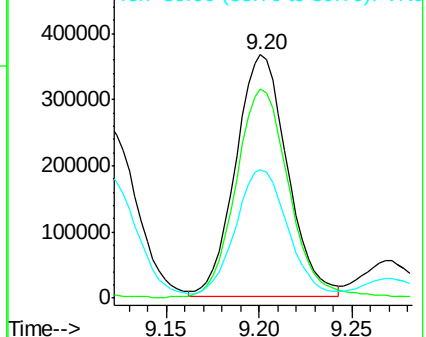
41 100

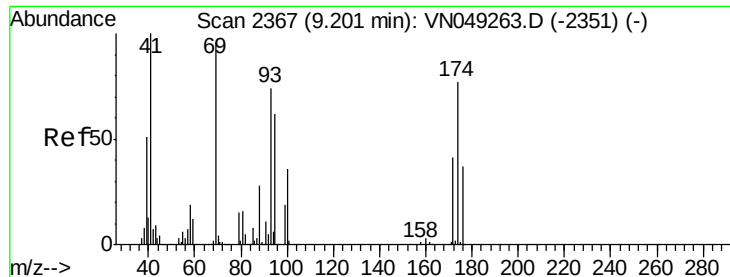
69 89.6 62.0 93.0

39 54.3 50.6 75.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

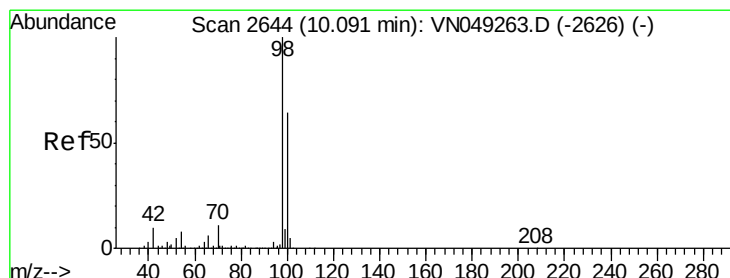
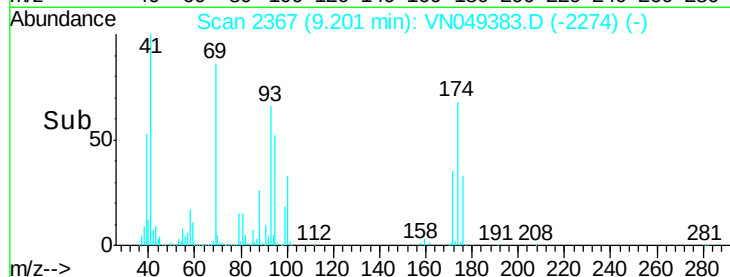
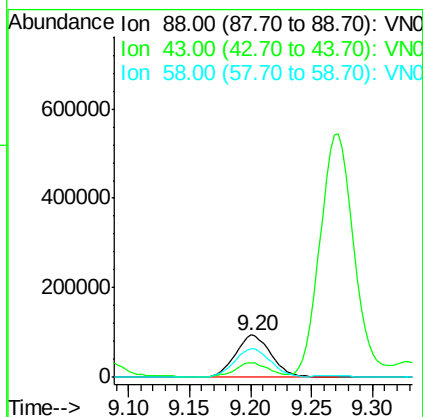
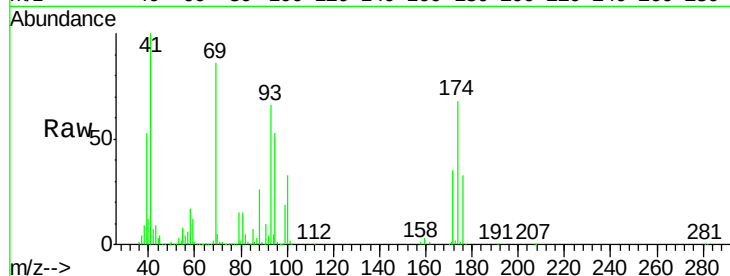




#49
1,4-Dioxane
Concen: 1073.10 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

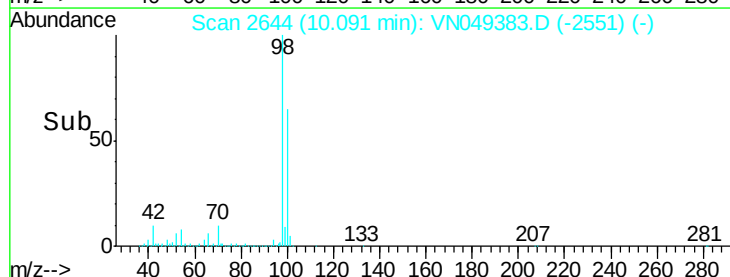
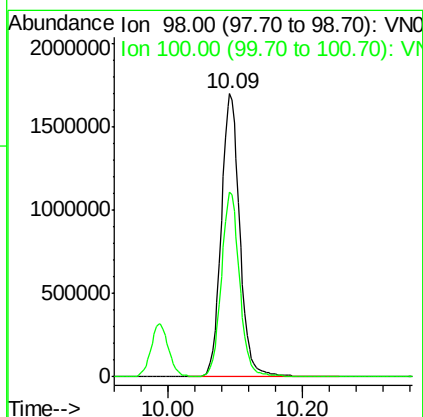
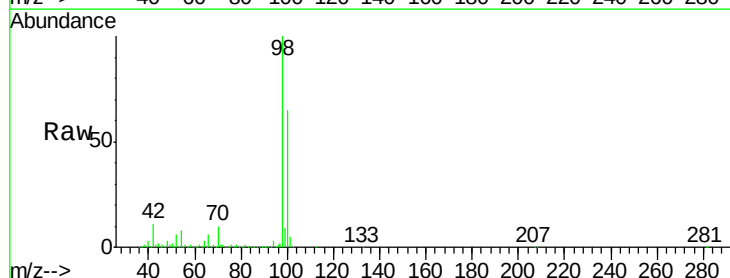
Instrument :
MSVOA_N
ClientSampleId :

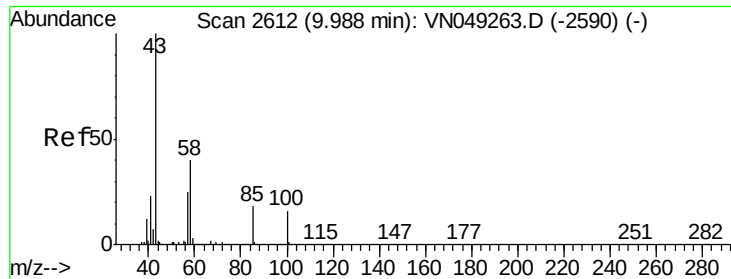
Tot Ion: 88 Resp: 192937
Ion Ratio Lower Upper
88 100
43 31.0 30.9 46.3
58 68.1 58.9 88.3



#50
Toluene-d8
Concen: 45.58 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 98 Resp: 3262654
Ion Ratio Lower Upper
98 100
100 64.8 49.8 74.8

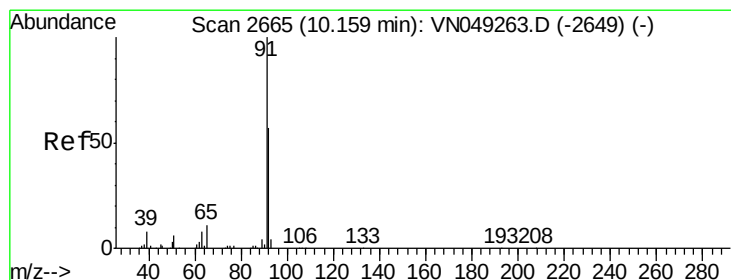
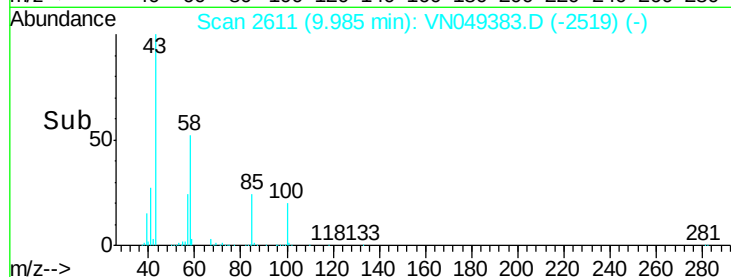
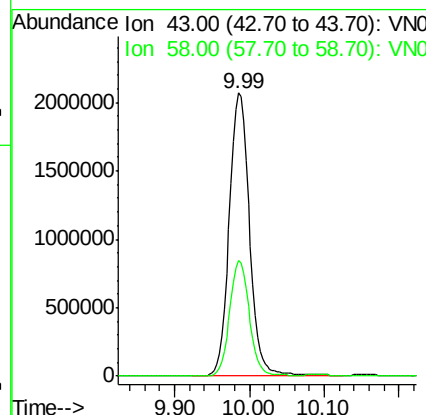
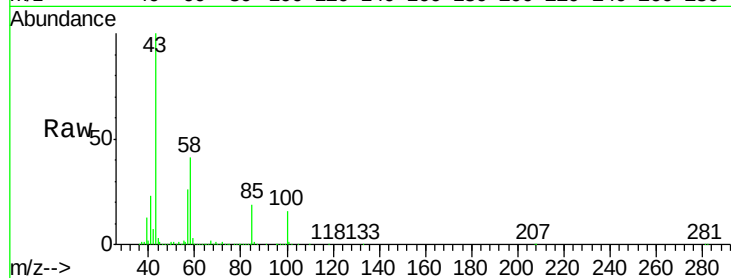




#51
4-Methyl-2-Pentanone
Concen: 268.03 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

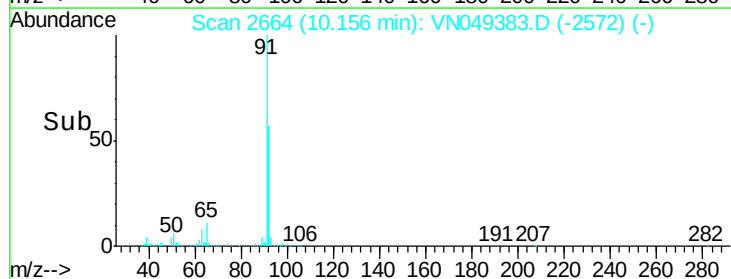
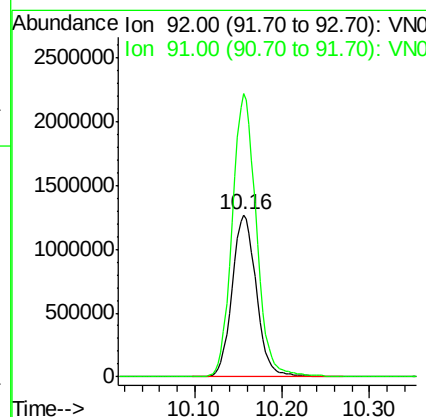
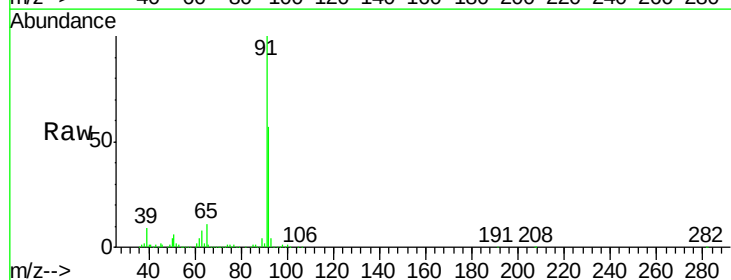
Instrument :
MSVOA_N
ClientSampled :

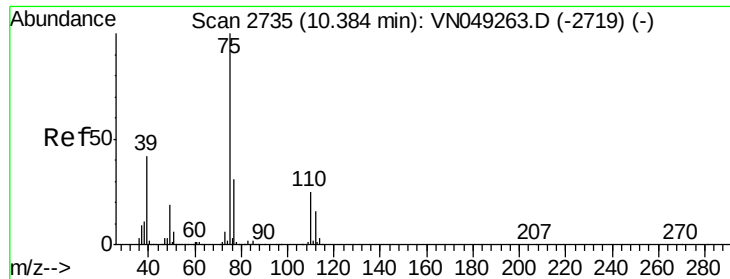
Tot Ion: 43 Resp: 3885960
Ion Ratio Lower Upper
43 100
58 39.8 29.0 43.6



#52
Toluene
Concen: 50.89 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 92 Resp: 2438568
Ion Ratio Lower Upper
92 100
91 174.1 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 51.04 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

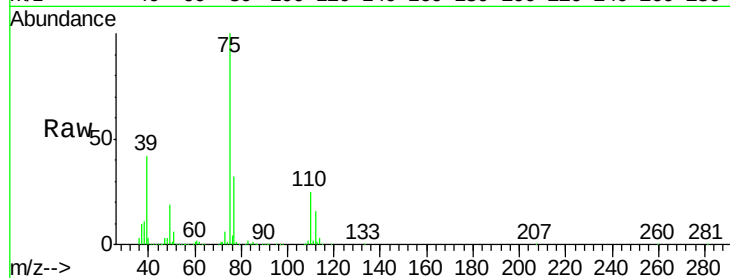
ClientSampled :

Tot Ion: 75 Resp: 1330170

Ion Ratio Lower Upper

75 100

77 31.7 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

800000

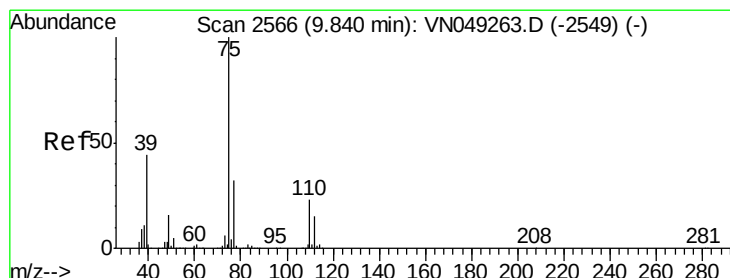
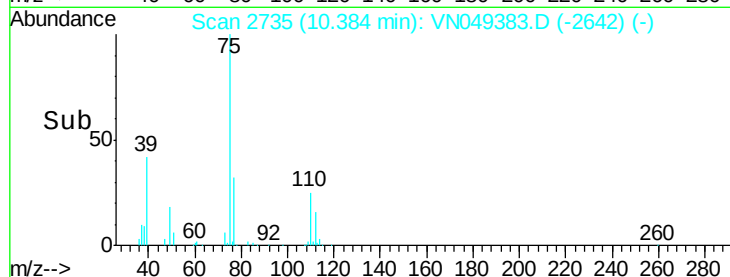
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.37 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

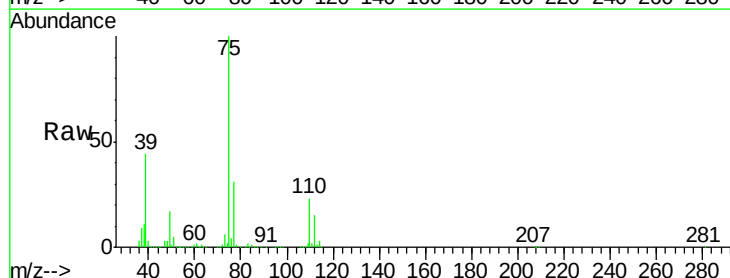
Tgt Ion: 75 Resp: 1549737

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 43.8 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

1000000

800000

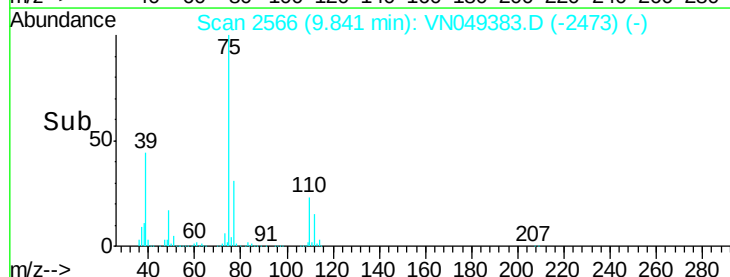
600000

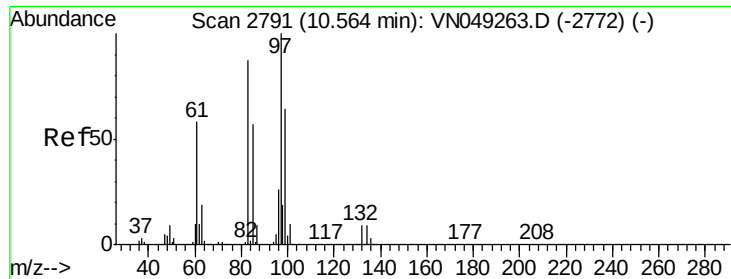
400000

200000

0

Time-->

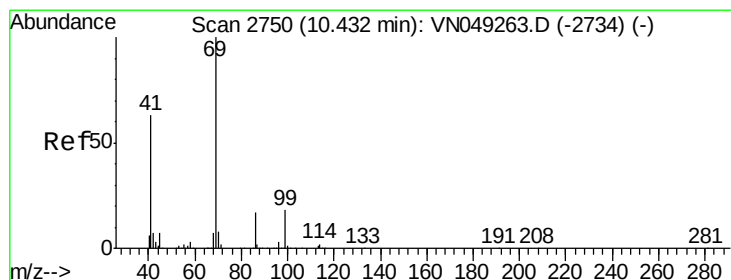
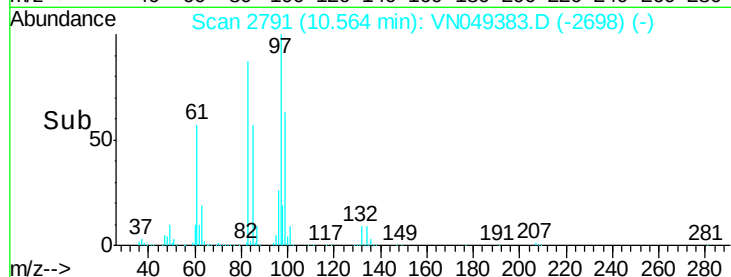
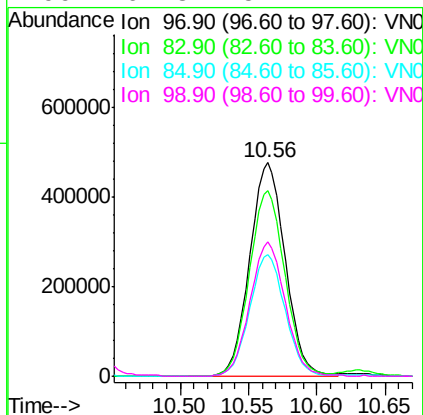
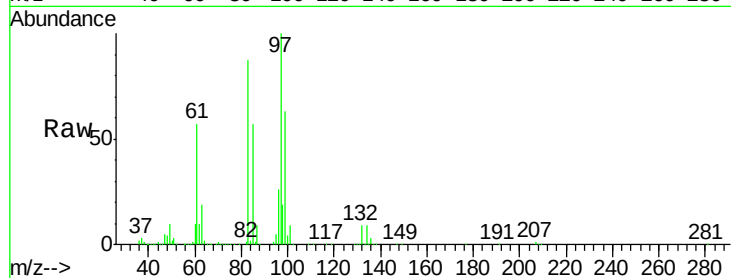




#55
 1,1,2-Trichloroethane
 Concen: 48.12 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

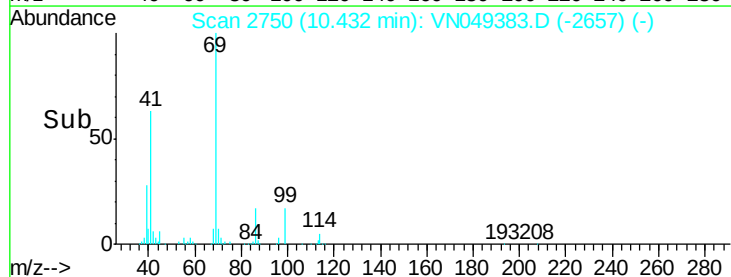
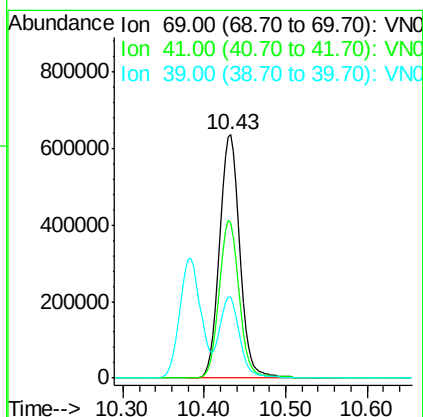
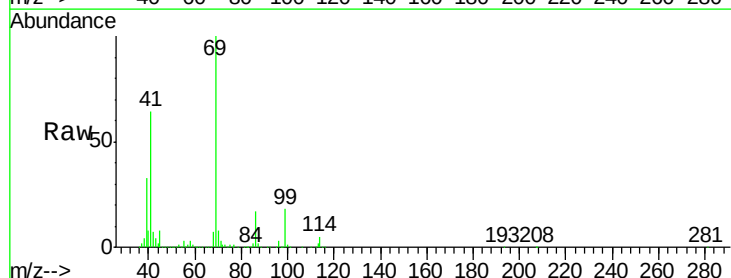
Instrument :
 MSVOA_N
 ClientSampleId :

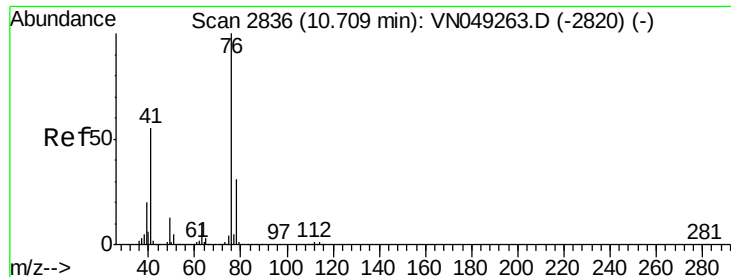
Tot Ion:	97	Resp:	859733
Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.5	107.3
85	57.0	47.0	70.4
99	62.8	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 54.83 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion:	69	Resp:	1130031
Ion	Ratio	Lower	Upper
69	100		
41	63.0	58.4	87.6
39	32.3	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 49.03 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

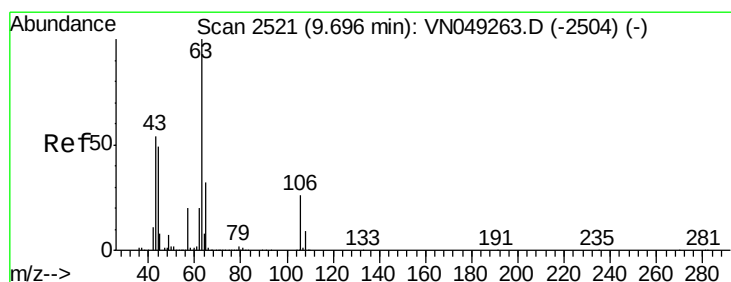
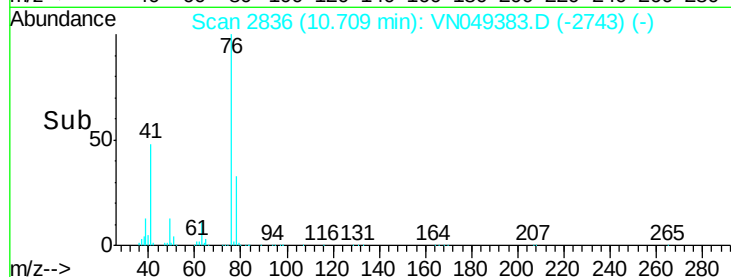
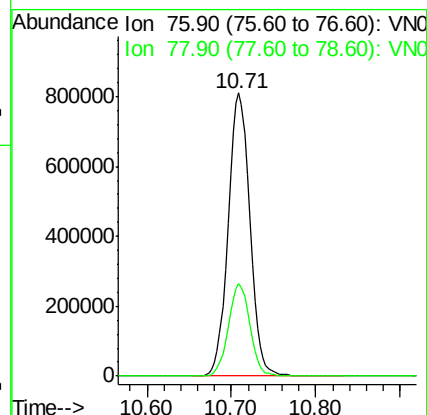
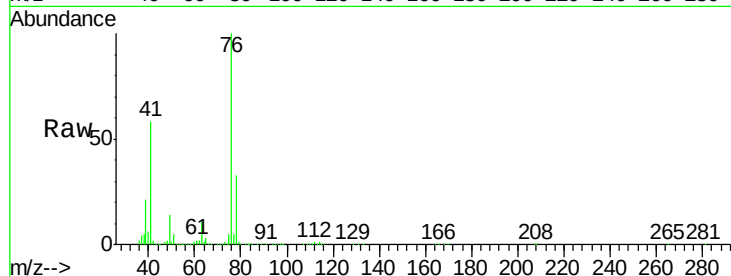
ClientSampleId :

Tot Ion: 76 Resp: 1451114

Ion Ratio Lower Upper

76 100

78 32.3 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 213.89 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049383.D

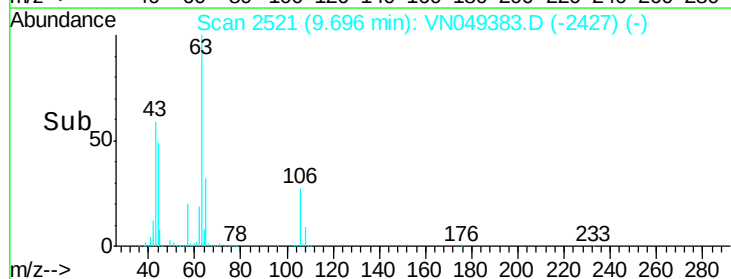
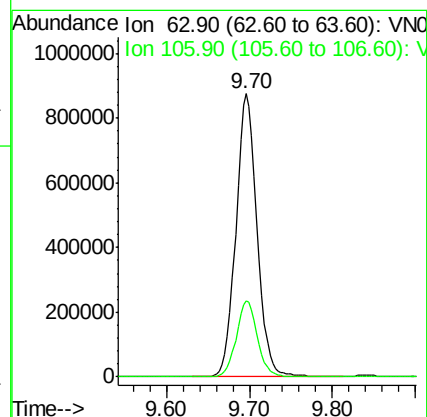
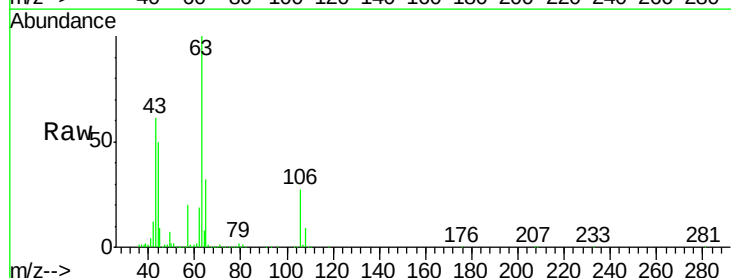
Acq: 19 Jun 2018 13:44

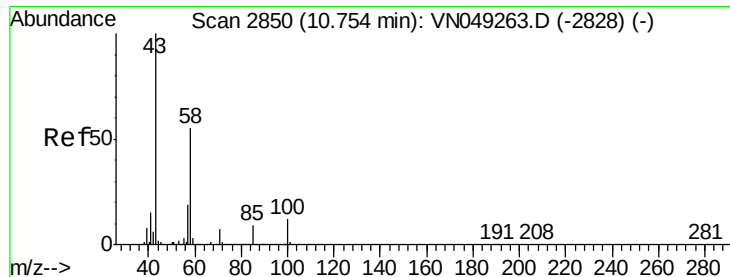
Tgt Ion: 63 Resp: 1559794

Ion Ratio Lower Upper

63 100

106 27.0 19.4 29.2

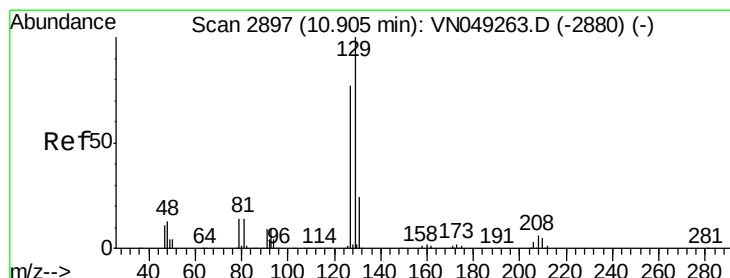
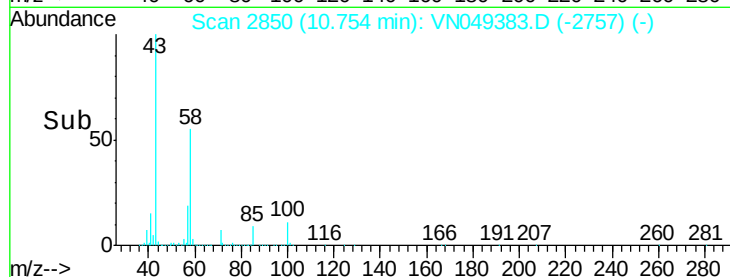
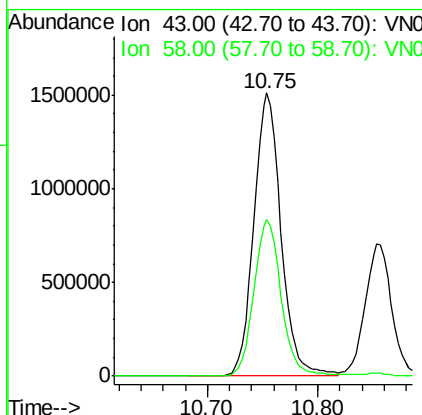
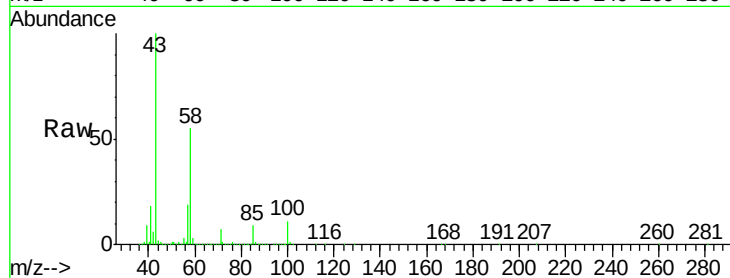




#59
2-Hexanone
Concen: 275.72 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

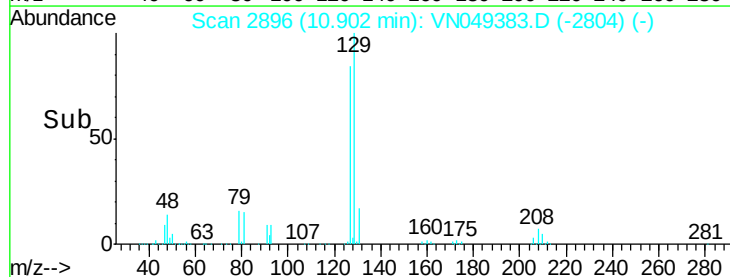
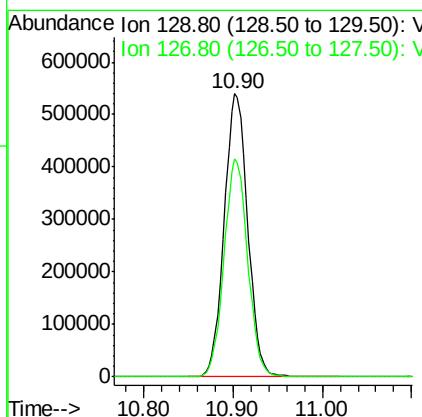
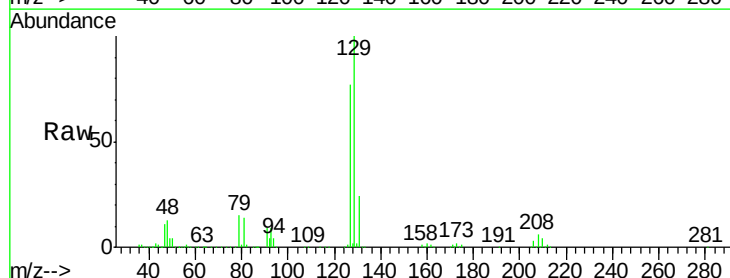
Instrument :
MSVOA_N
ClientSampled :

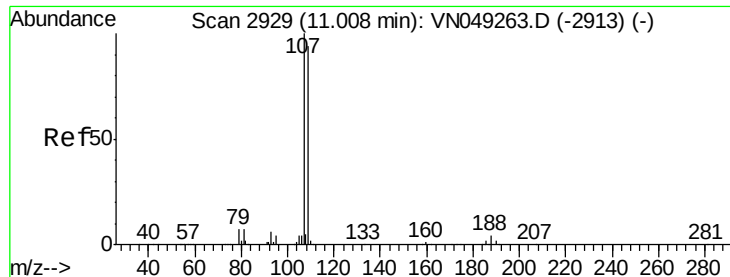
Tot Ion: 43 Resp: 2577167
Ion Ratio Lower Upper
43 100
58 55.7 25.2 75.6



#60
Dibromochloromethane
Concen: 49.40 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 129 Resp: 984962
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2

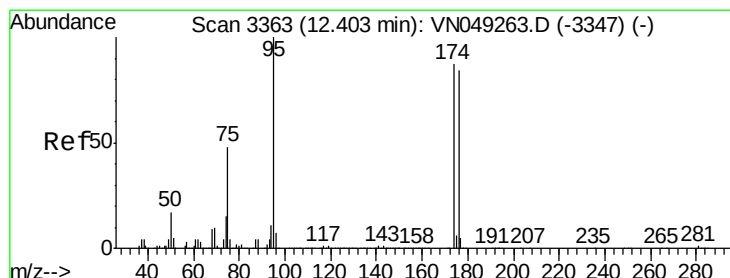
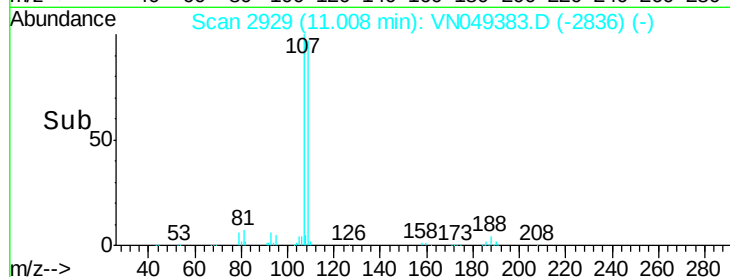
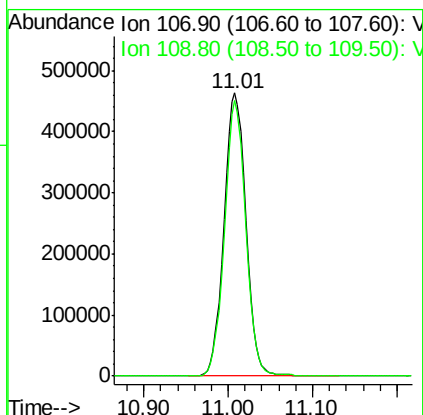
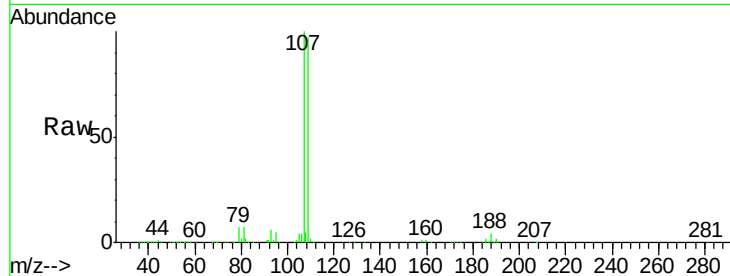




#61
 1,2-Dibromoethane
 Concen: 50.38 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

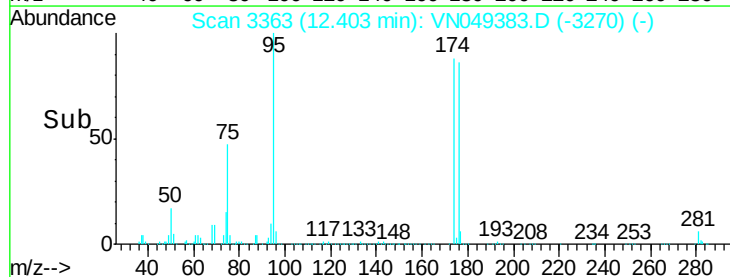
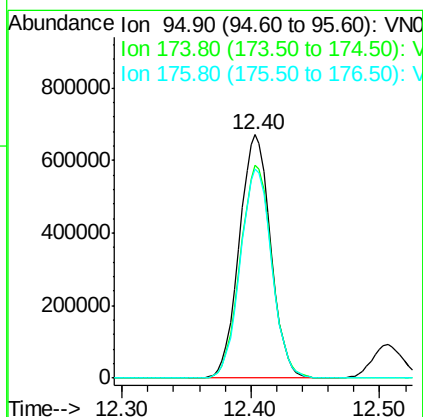
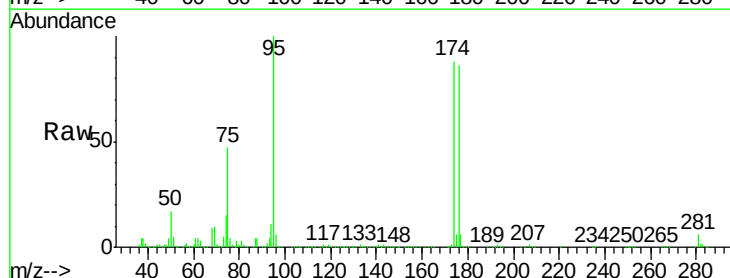
Instrument :
 MSVOA_N
 ClientSampled :

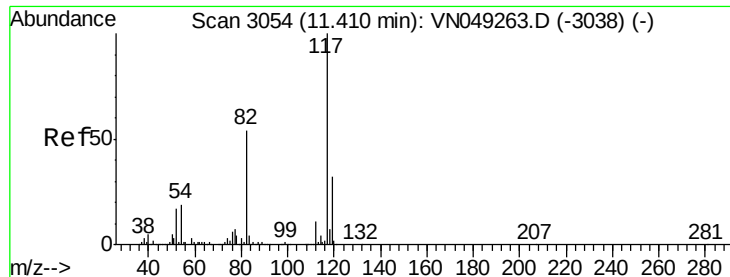
Tot Ion: 107 Resp: 836608
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.03 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion: 95 Resp: 1136847
 Ion Ratio Lower Upper
 95 100
 174 88.0 0.0 165.6
 176 86.0 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampleId :

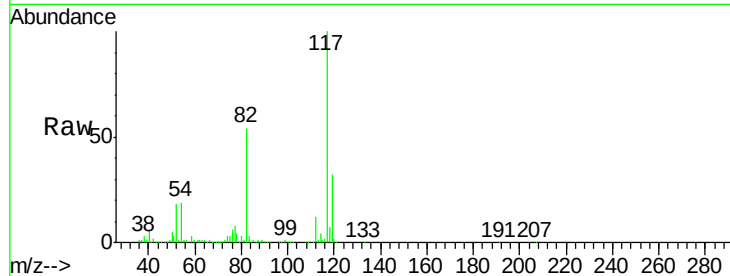
Tot Ion:117 Resp: 2133814

Ion Ratio Lower Upper

117 100

82 53.5 45.9 68.9

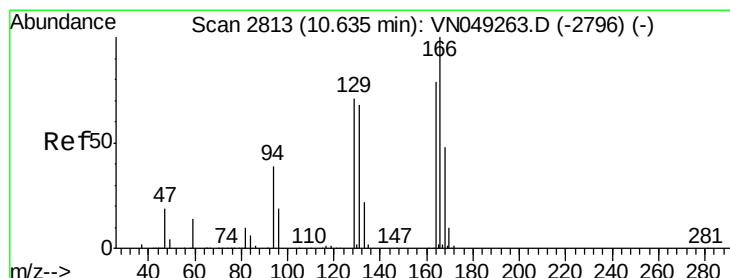
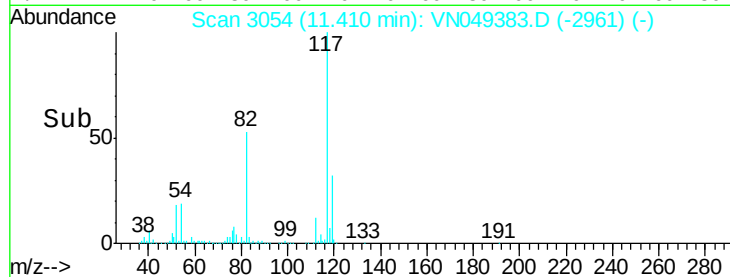
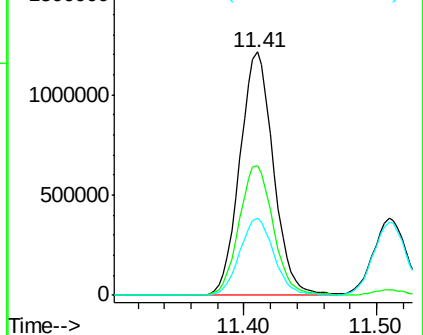
119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.07 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Tgt Ion:164 Resp: 1094793

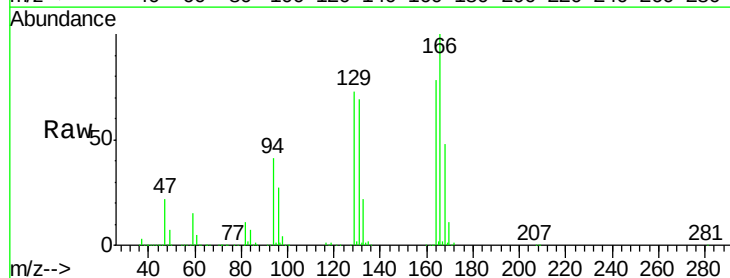
Ion Ratio Lower Upper

164 100

166 128.3 101.4 152.2

129 93.1 74.1 111.1

131 88.7 73.7 110.5

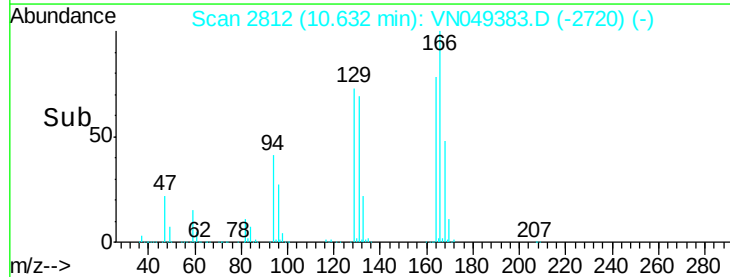
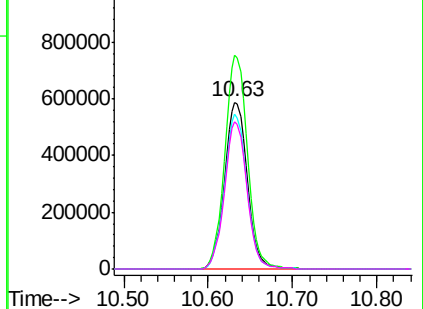


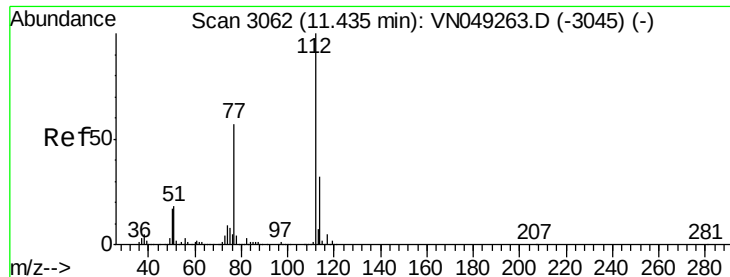
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

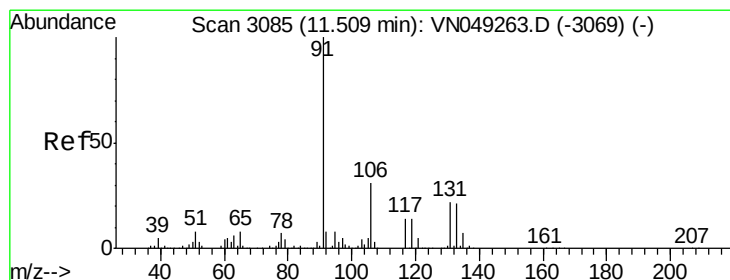
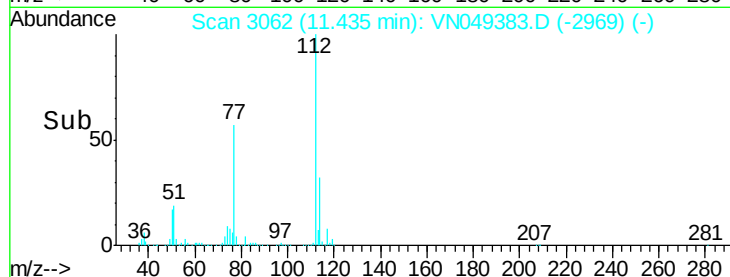
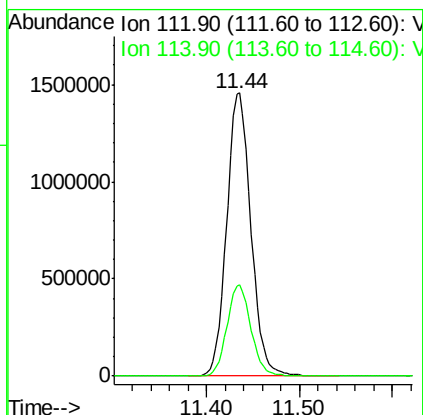
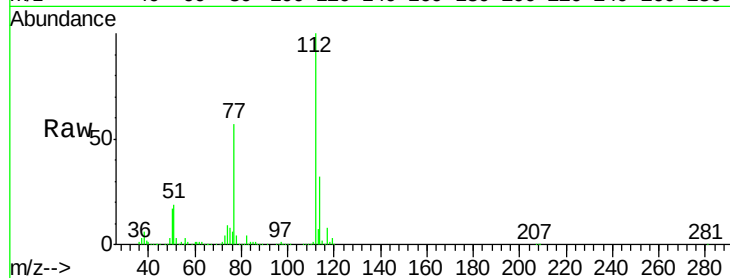




#65
Chlorobenzene
Concen: 47.90 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

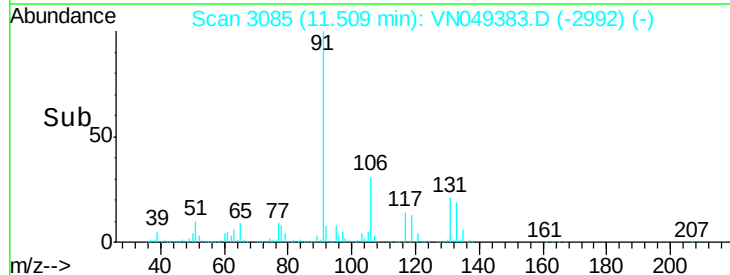
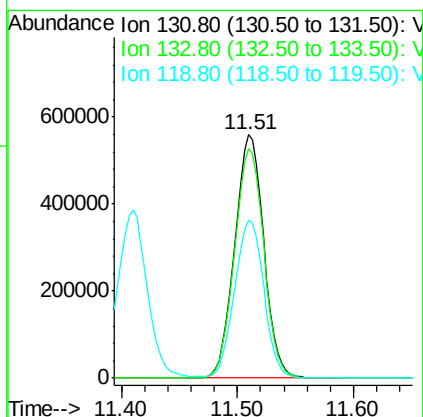
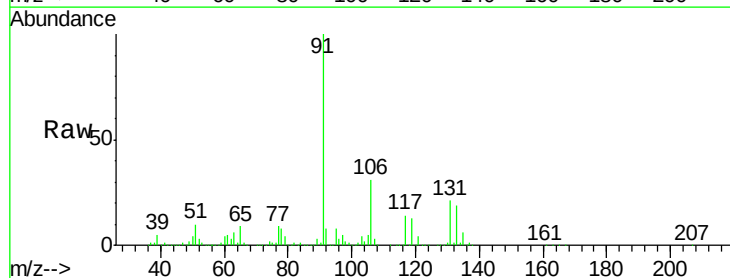
Instrument :
MSVOA_N
ClientSampleId :

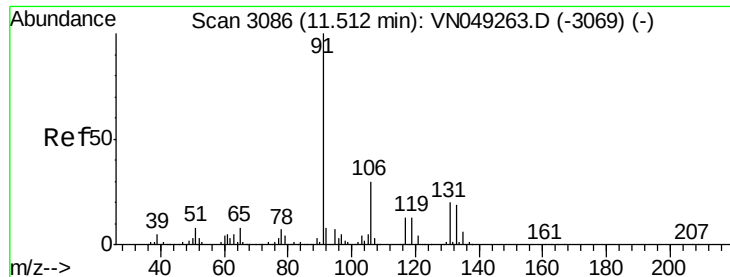
Tot Ion:112 Resp: 2633032
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 46.67 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion:131 Resp: 965455
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.2
119 65.8 33.6 100.8

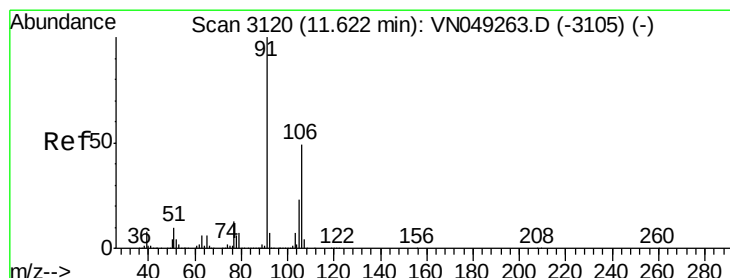
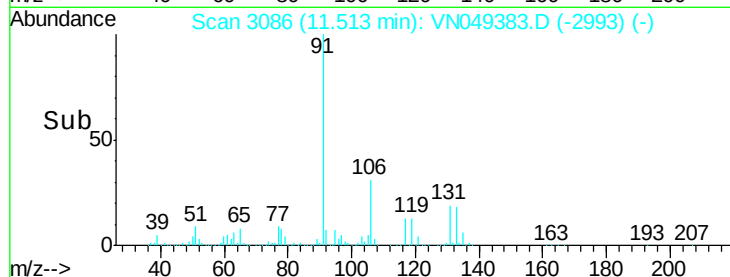
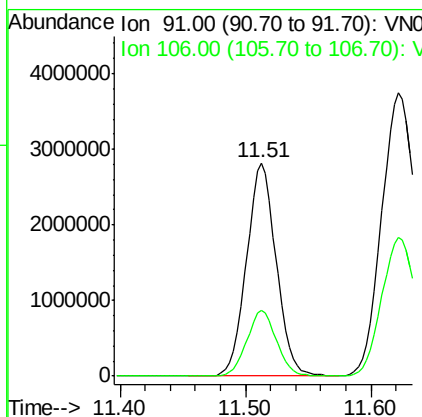
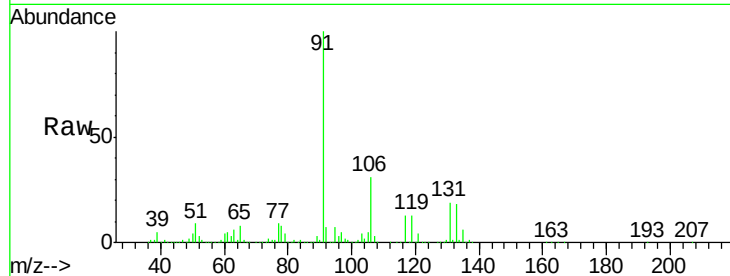




#67
Ethyl Benzene
Concen: 50.89 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

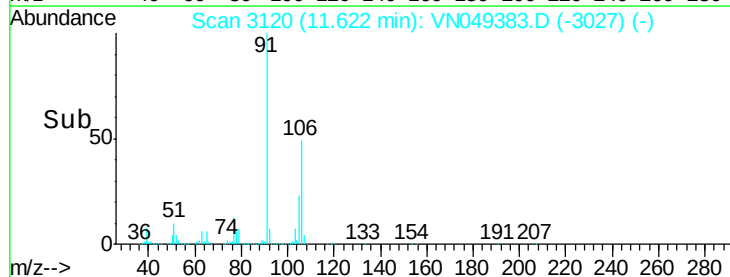
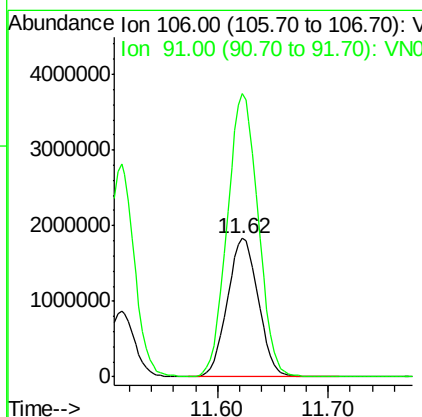
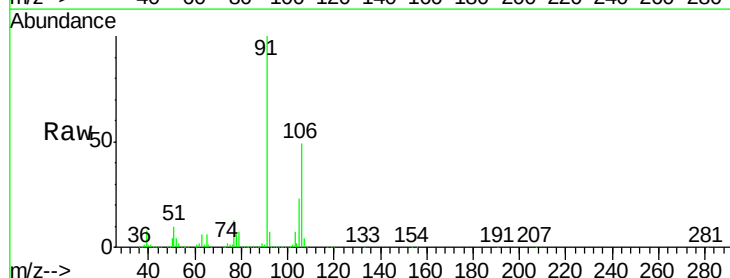
Instrument :
MSVOA_N
ClientSampled :

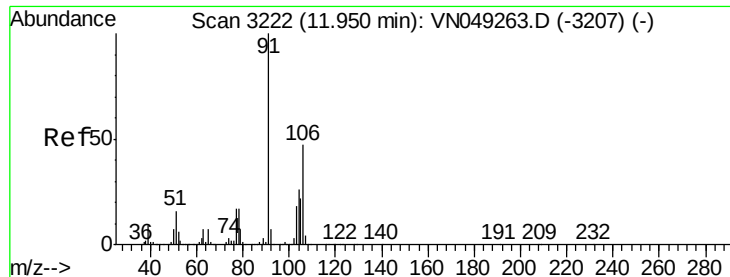
Tot Ion: 91 Resp: 4639986
Ion Ratio Lower Upper
91 100
106 31.0 23.9 35.9



#68
m/p-Xylenes
Concen: 104.07 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 106 Resp: 3561070
Ion Ratio Lower Upper
106 100
91 204.4 167.3 250.9





#69

o-Xylene

Concen: 51.66 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

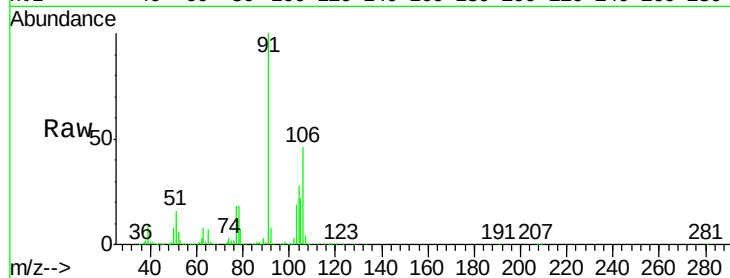
ClientSampleId :

Tot Ion:106 Resp: 1702654

Ion Ratio Lower Upper

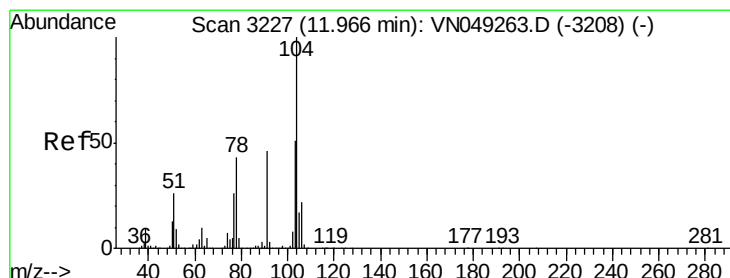
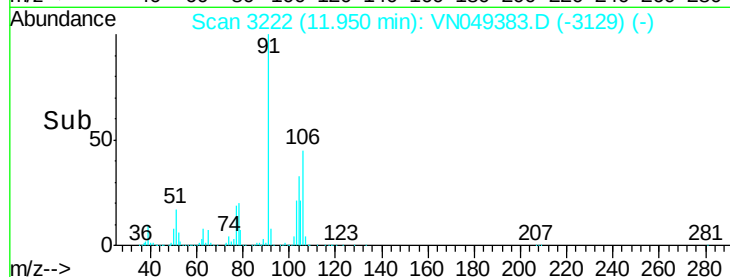
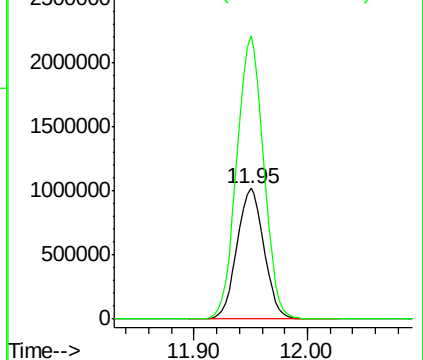
106 100

91 215.9 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 53.79 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

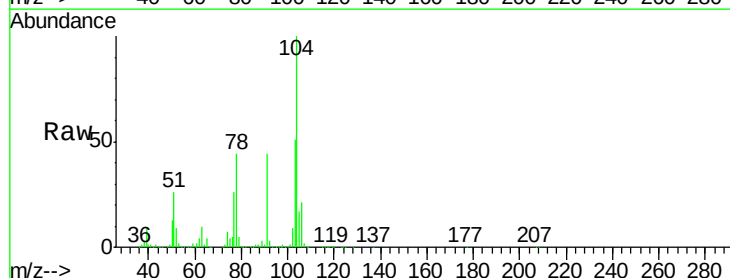
Tgt Ion:104 Resp: 2796882

Ion Ratio Lower Upper

104 100

78 49.1 41.6 62.4

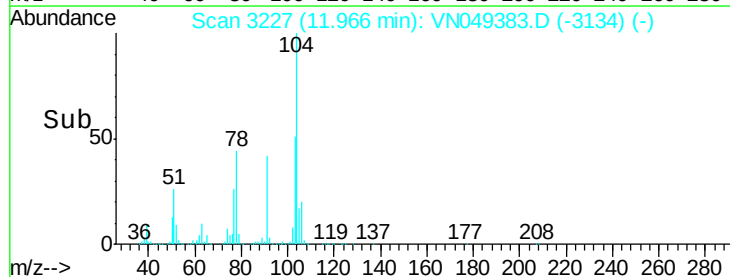
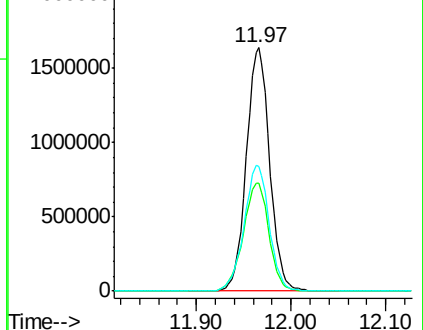
103 55.8 45.4 68.2

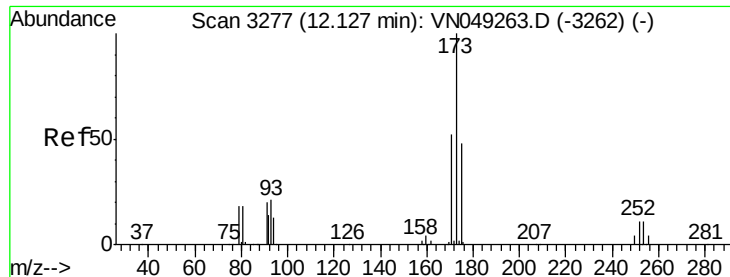


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.93 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampled :

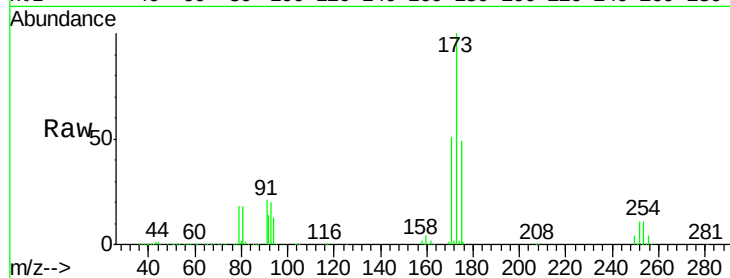
Tot Ion:173 Resp: 668631

Ion Ratio Lower Upper

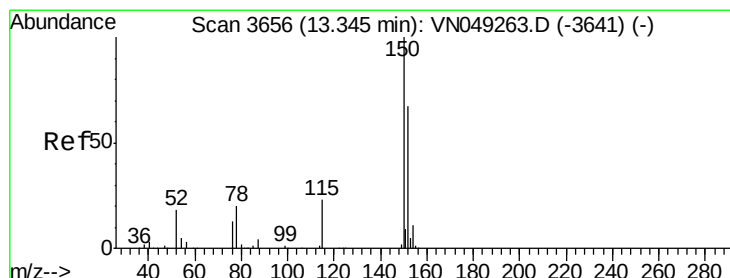
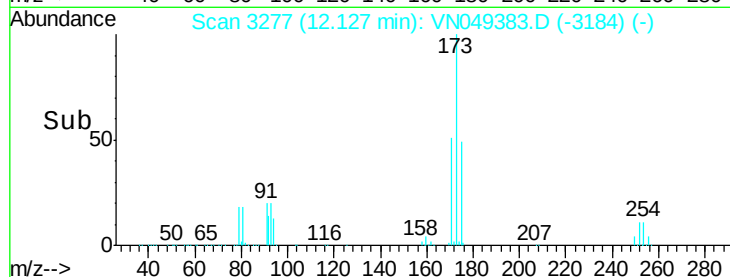
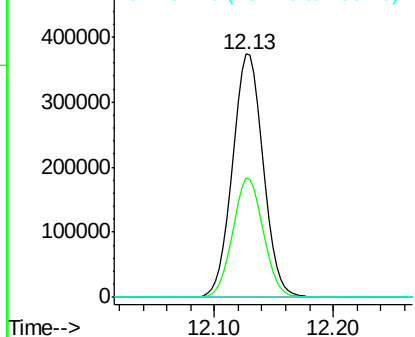
173 100

175 48.8 24.5 73.5

254 0.1 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: VN049383.D

Acq: 19 Jun 2018 13:44

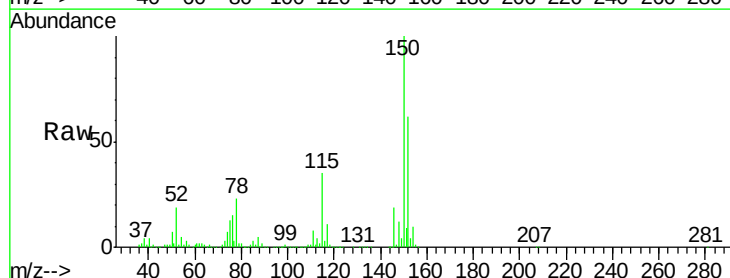
Tgt Ion:152 Resp: 1102916

Ion Ratio Lower Upper

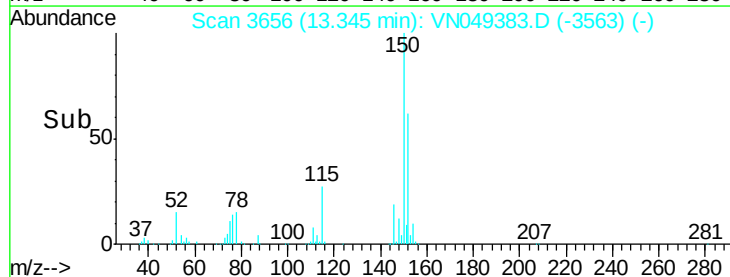
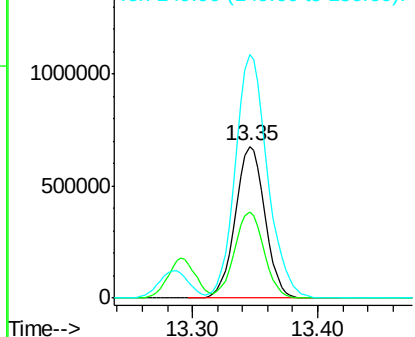
152 100

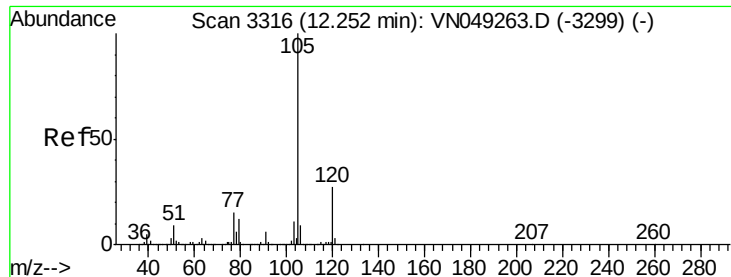
115 56.9 28.7 86.1

150 175.0 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: 47.15 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

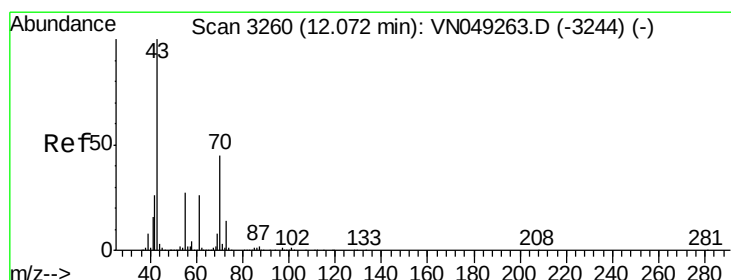
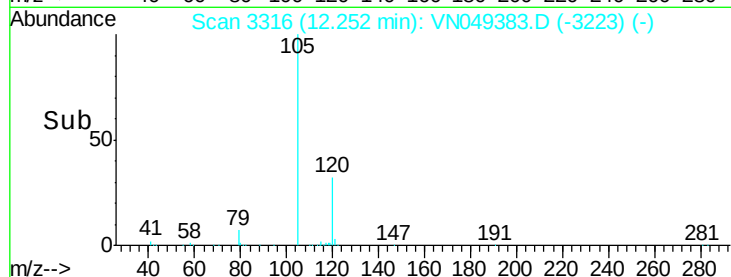
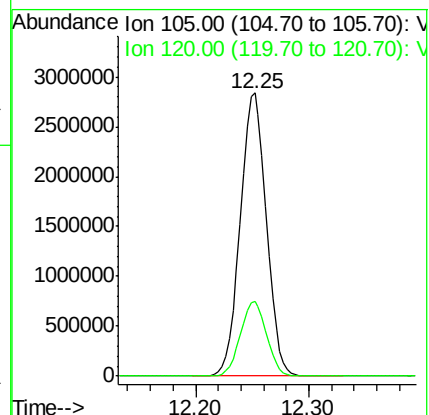
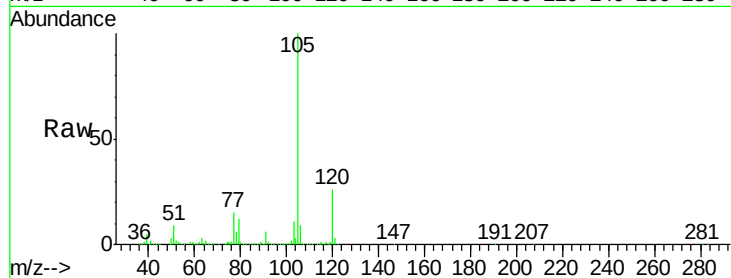
ClientSampleId :

Tot Ion:105 Resp: 4565876

Ion Ratio Lower Upper

105 100

120 26.5 12.8 38.3



#74

N-ethyl acetate

Concen: 50.80 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Tgt Ion: 43 Resp: 1204891

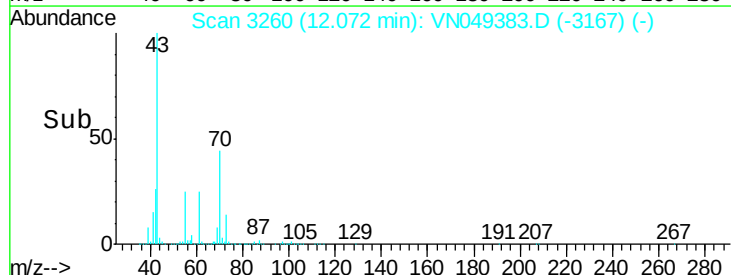
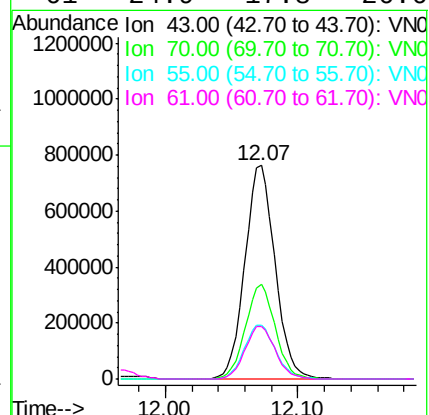
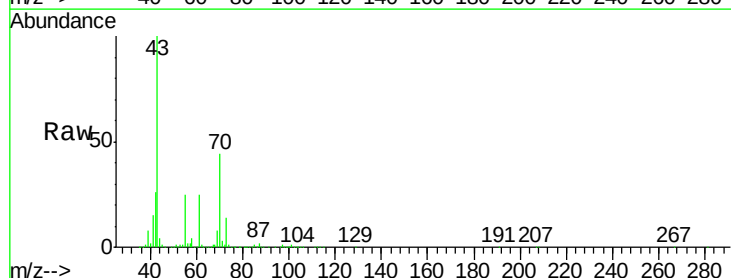
Ion Ratio Lower Upper

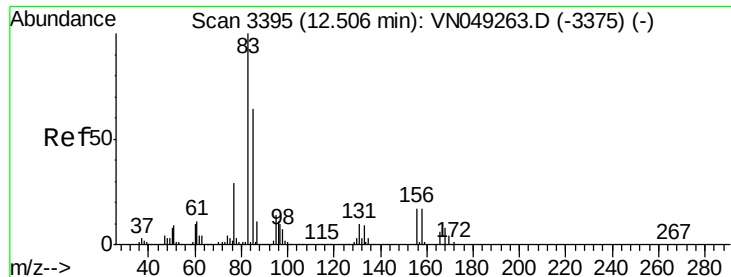
43 100

70 43.8 30.3 45.5

55 26.1 19.4 29.2

61 24.9 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.65 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampled :

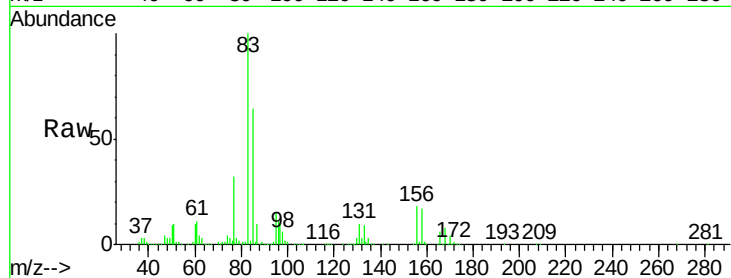
Tot Ion: 83 Resp: 1008500

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	63.6	32.0	96.0

83 100

131 10.4 5.0 15.0

85 63.6 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO

12.51

600000

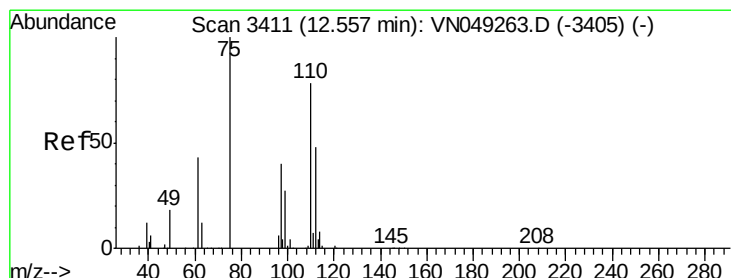
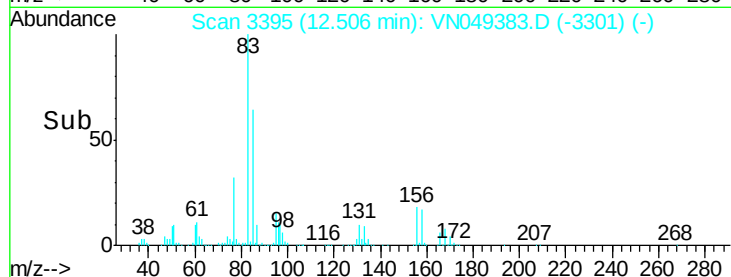
400000

200000

0

Time-->

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 68.58 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049383.D

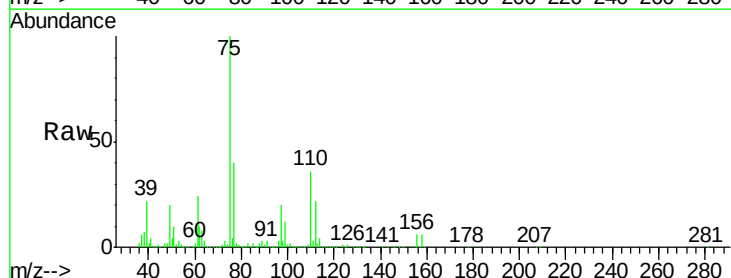
Acq: 19 Jun 2018 13:44

Tgt Ion: 75 Resp: 1290503

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

1200000

1000000

800000

600000

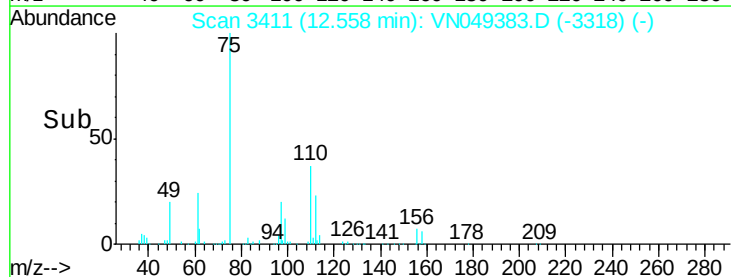
400000

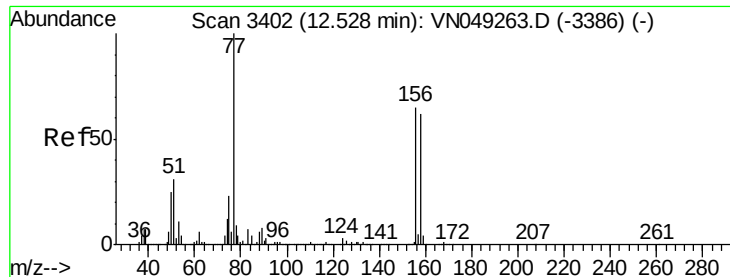
200000

0

Time-->

12.40 12.50 12.60





#77

Bromobenzene

Concen: 44.60 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampled :

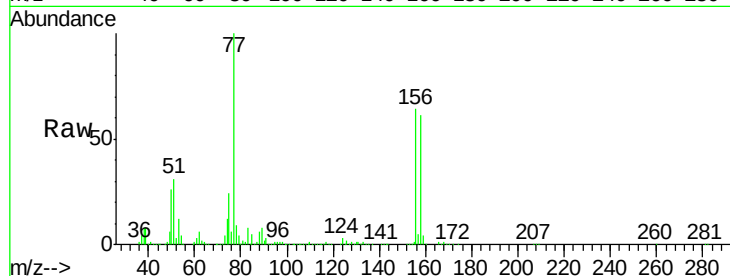
Tot Ion:156 Resp: 1140755

Ion Ratio Lower Upper

156 100

77 181.7 100.8 302.4

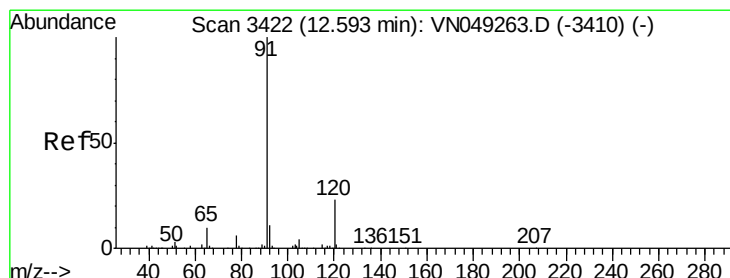
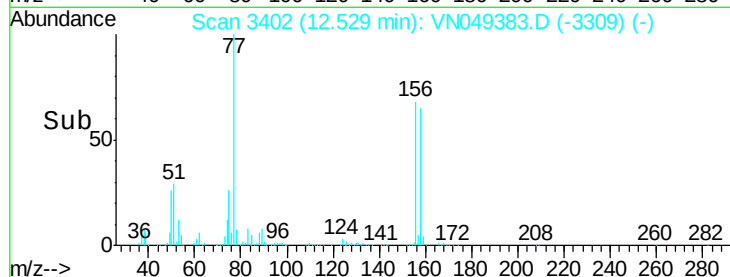
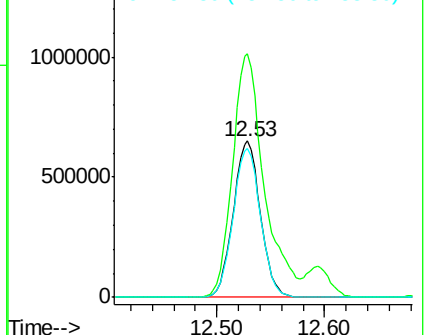
158 96.3 49.3 147.9



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: 49.14 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049383.D

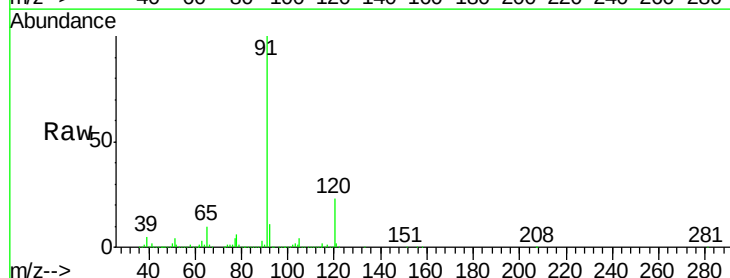
Acq: 19 Jun 2018 13:44

Tgt Ion: 91 Resp: 5224614

Ion Ratio Lower Upper

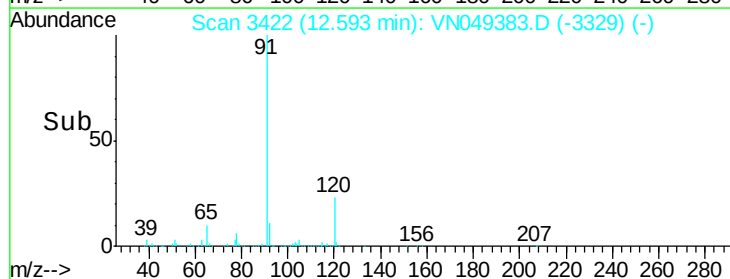
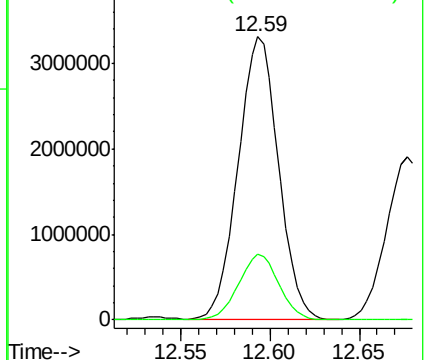
91 100

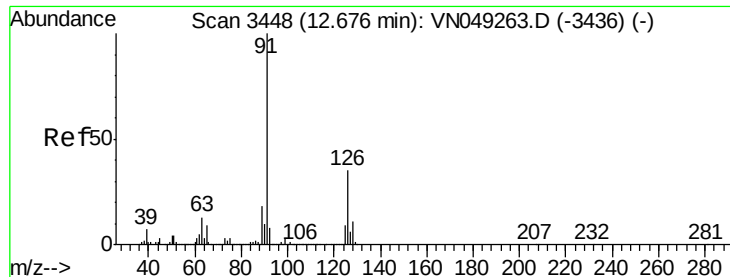
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.30 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

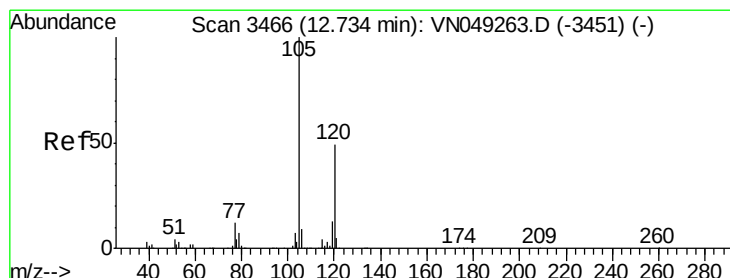
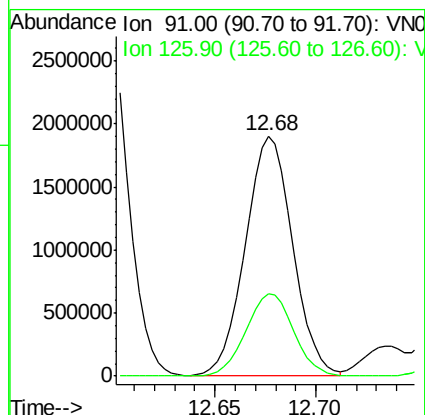
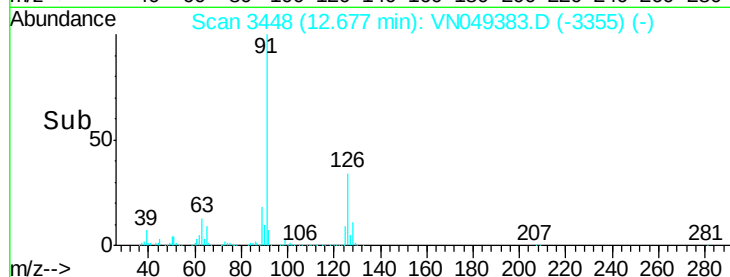
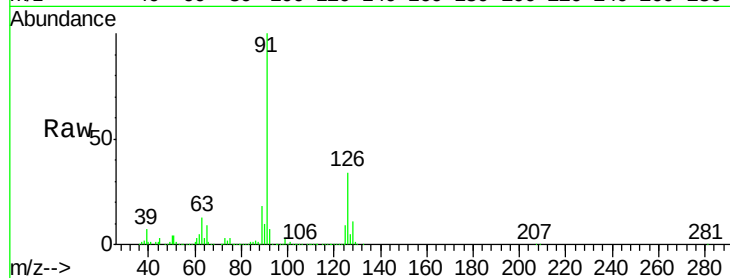
ClientSampled :

Tot Ion: 91 Resp: 3119052

Ion Ratio Lower Upper

91 100

126 34.8 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 48.91 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049383.D

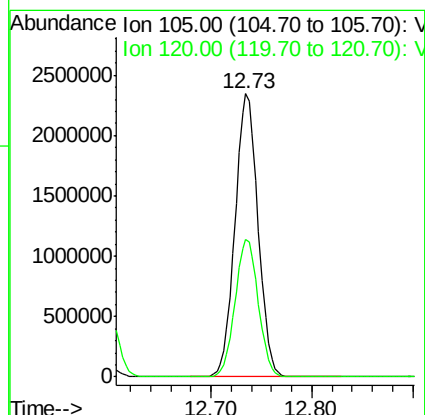
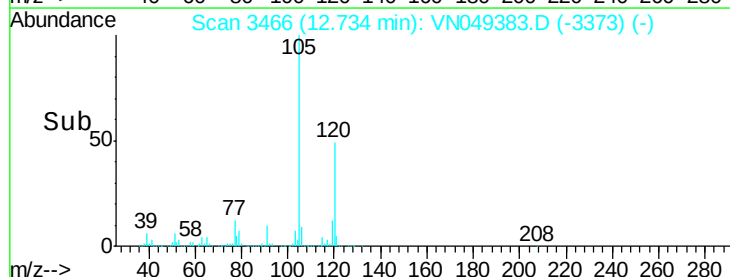
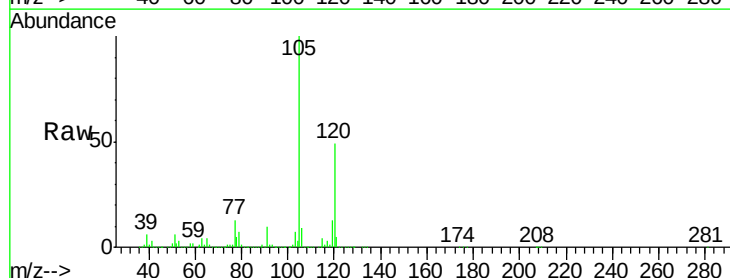
Acq: 19 Jun 2018 13:44

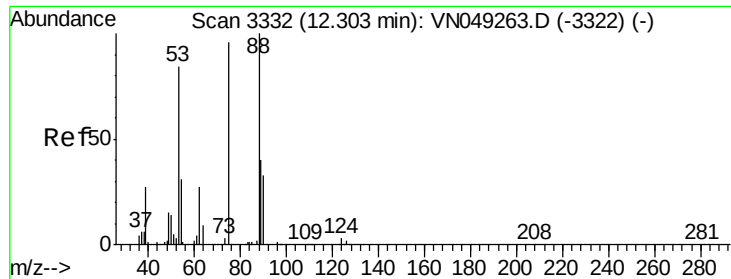
Tgt Ion: 105 Resp: 3722664

Ion Ratio Lower Upper

105 100

120 48.8 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 48.55 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampled :

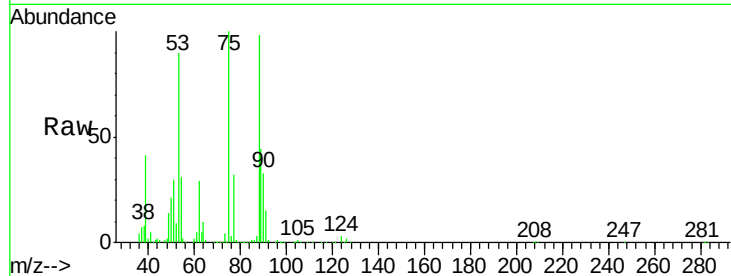
Tot Ion: 75 Resp: 289048

Ion Ratio Lower Upper

75 100

53 91.7 82.7 124.1

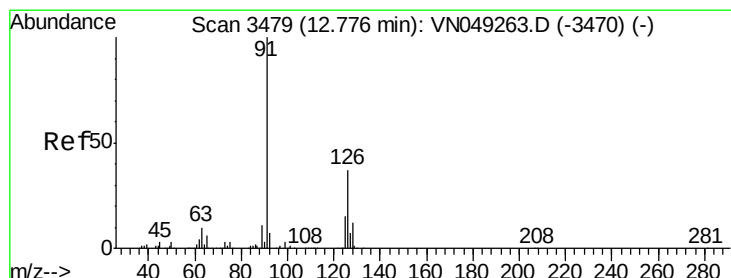
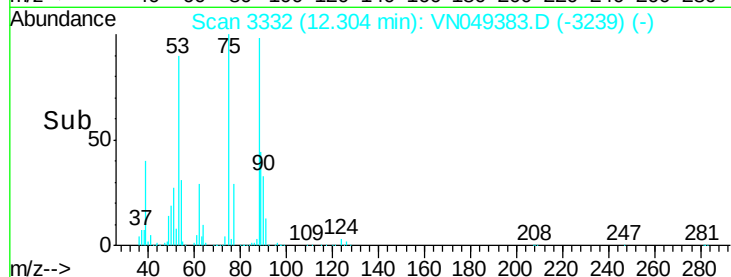
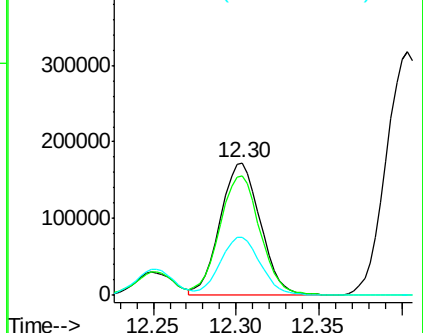
89 44.8 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.31 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049383.D

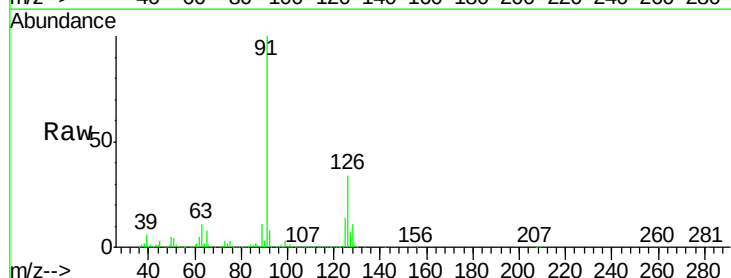
Acq: 19 Jun 2018 13:44

Tgt Ion: 91 Resp: 3139965

Ion Ratio Lower Upper

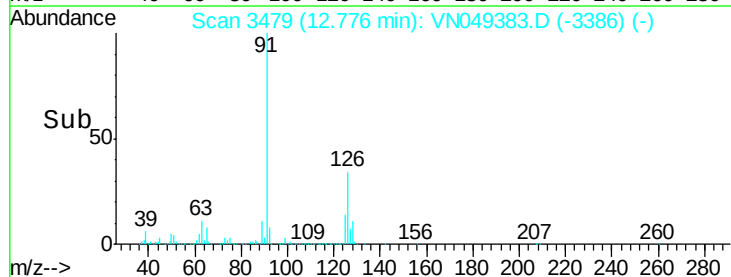
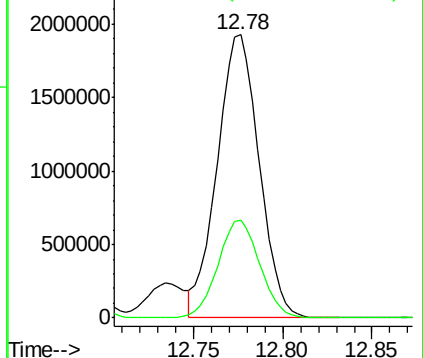
91 100

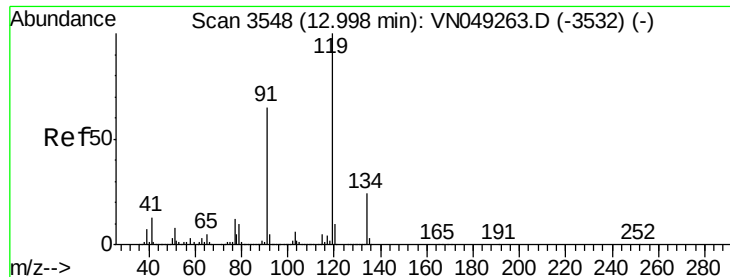
126 34.3 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 46.68 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampled :

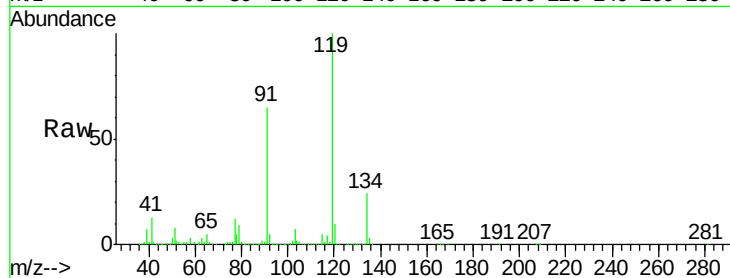
Tot Ion:119 Resp: 3147673

Ion Ratio Lower Upper

119 100

91 64.3 33.7 101.0

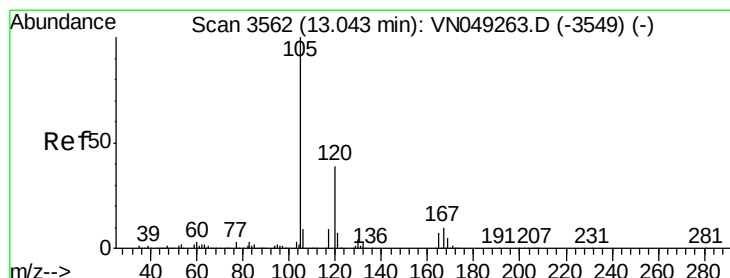
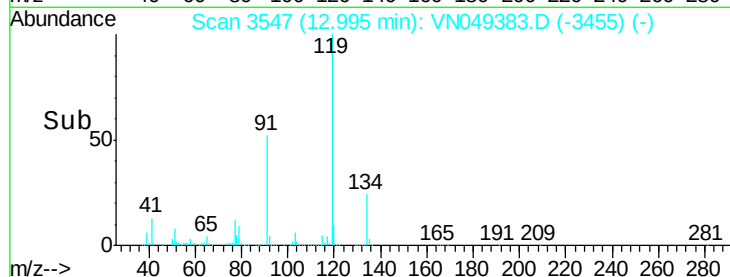
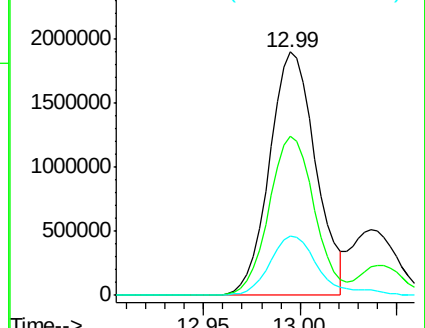
134 25.9 12.9 38.6



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: 49.97 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049383.D

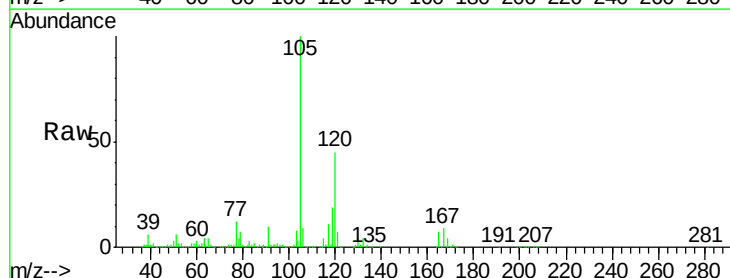
Acq: 19 Jun 2018 13:44

Tgt Ion:105 Resp: 3778271

Ion Ratio Lower Upper

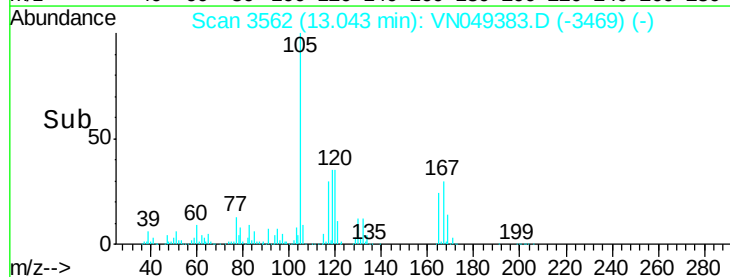
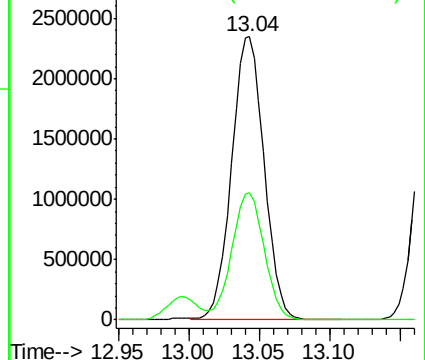
105 100

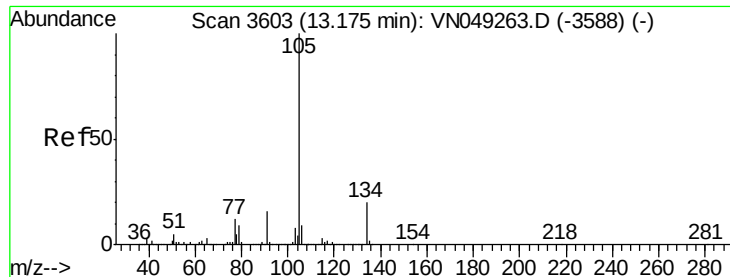
120 44.9 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.34 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

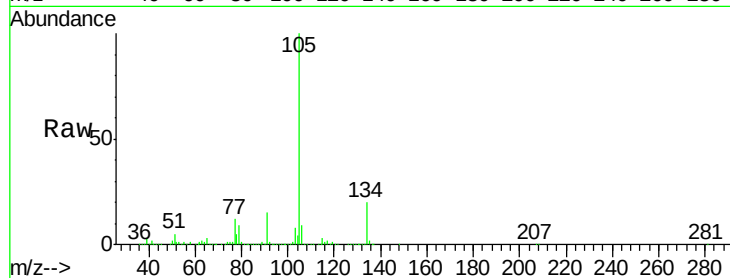
ClientSampled :

Tot Ion:105 Resp: 4249209

Ion Ratio Lower Upper

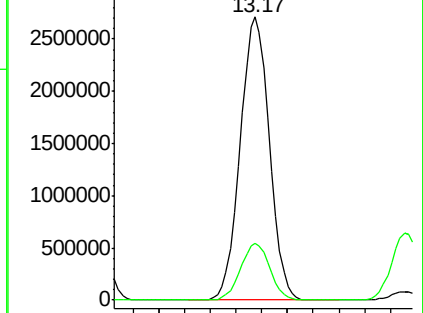
105 100

134 20.2 9.8 29.3

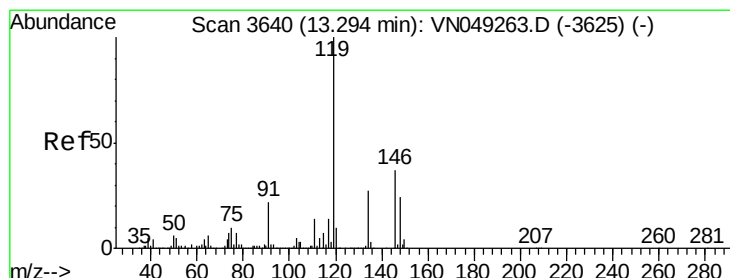
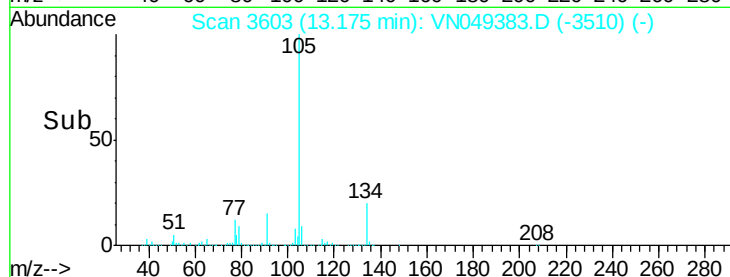


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 49.13 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

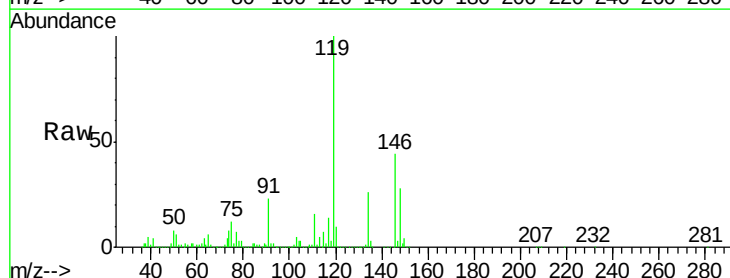
Tgt Ion:119 Resp: 3683715

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

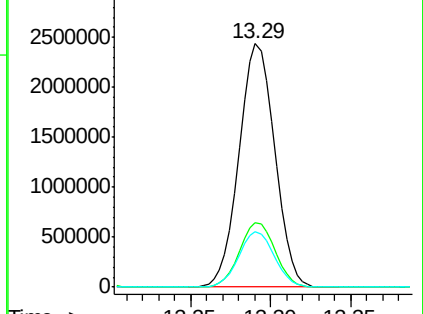
91 22.7 12.1 36.3



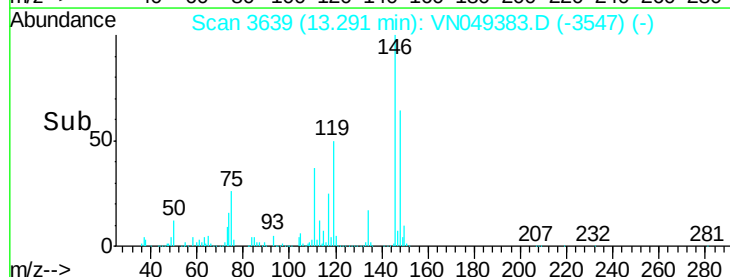
Abundance Ion 119.00 (118.70 to 119.70): V

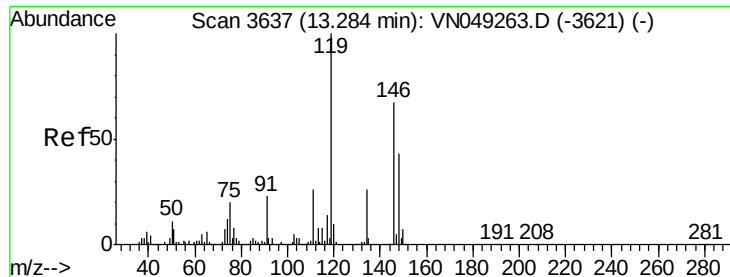
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->

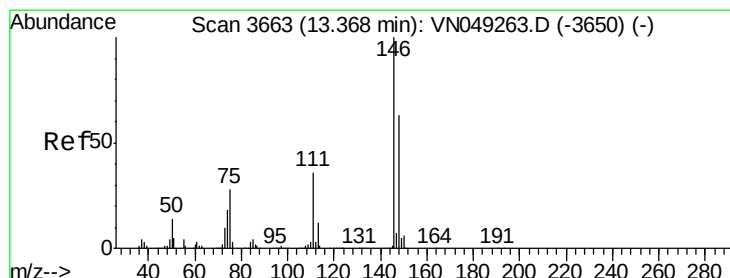
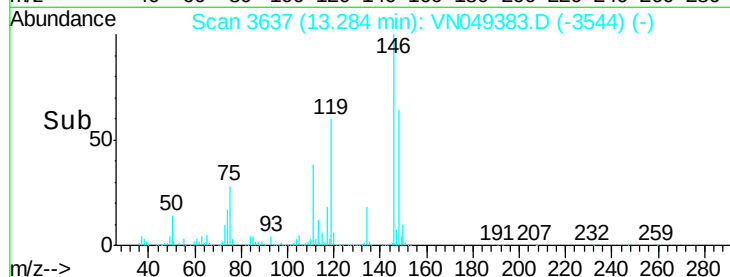
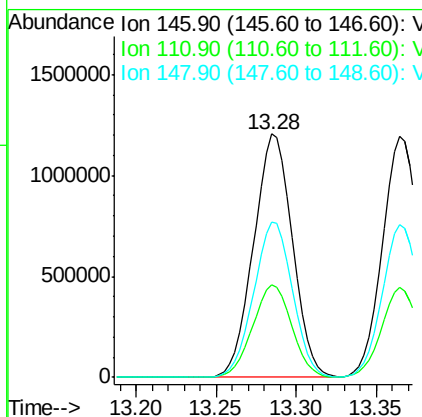
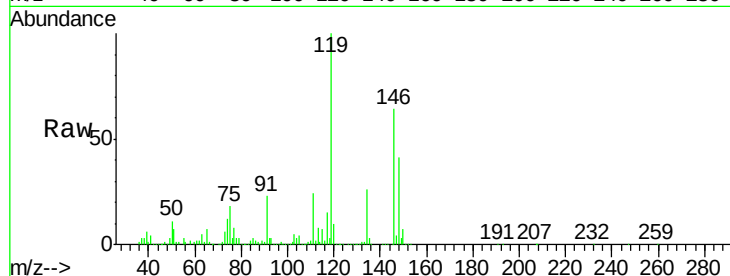




#87
 1,3-Dichlorobenzene
 Concen: 47.86 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

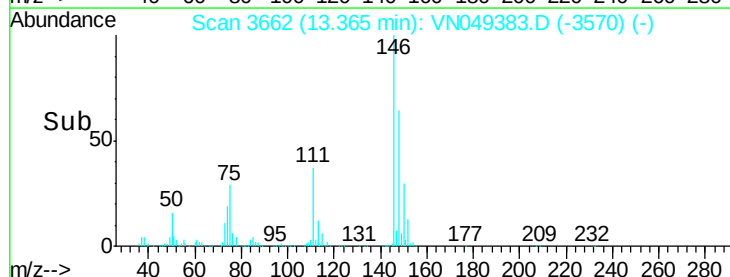
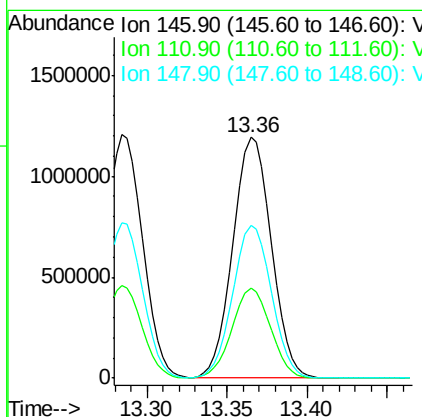
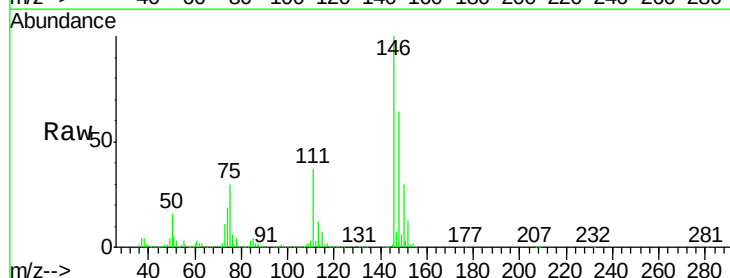
Instrument :
 MSVOA_N
 ClientSampleId :

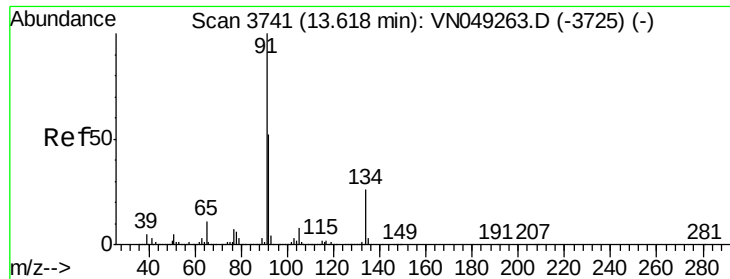
Tot Ion:146 Resp: 2013730
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.9 59.6
 148 63.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 46.92 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion:146 Resp: 1956701
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.1
 148 63.7 32.0 96.2

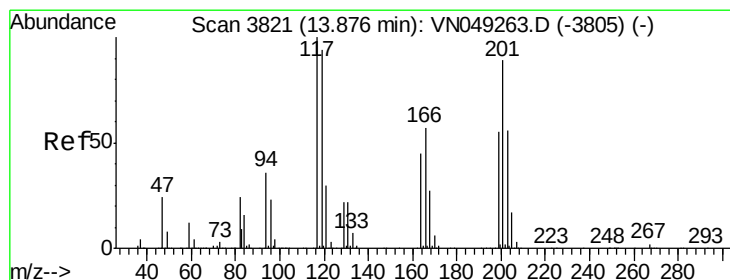
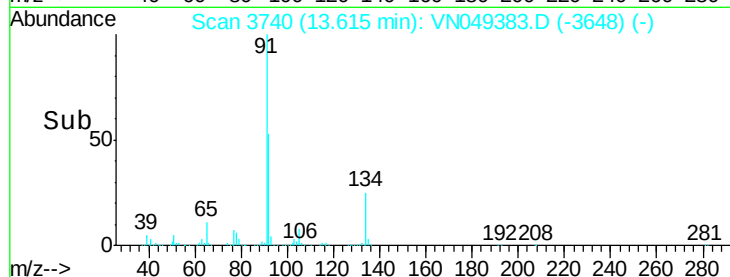
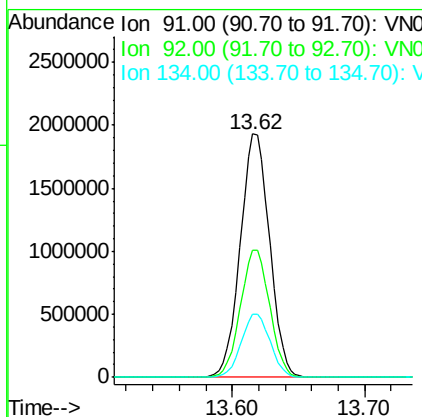
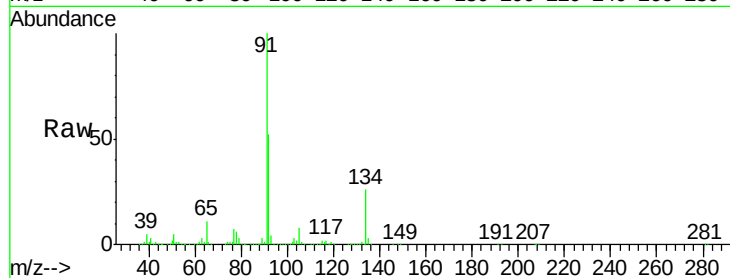




#89
n-Butylbenzene
Concen: 50.57 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

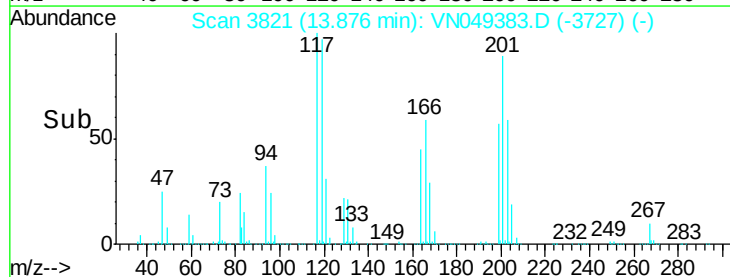
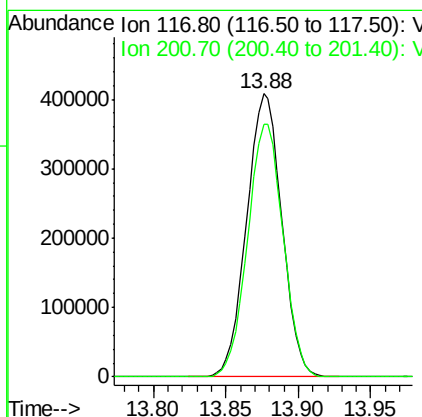
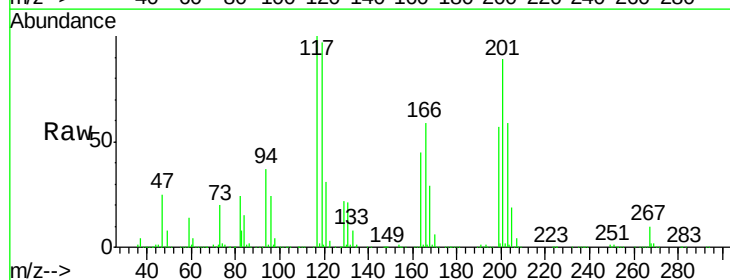
Instrument :
MSVOA_N
ClientSampled :

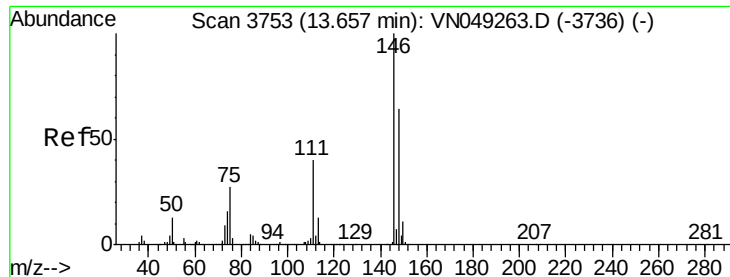
Tot Ion: 91 Resp: 2961829
Ion Ratio Lower Upper
91 100
92 52.3 25.1 75.4
134 25.8 12.0 36.0



#90
Hexachloroethane
Concen: 48.50 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049383.D
Acq: 19 Jun 2018 13:44

Tgt Ion: 117 Resp: 689043
Ion Ratio Lower Upper
117 100
201 90.1 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 47.13 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Instrument :

MSVOA_N

ClientSampled :

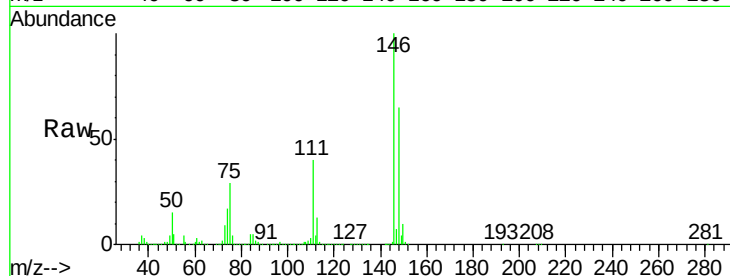
Tot Ion:146 Resp: 1945121

Ion Ratio Lower Upper

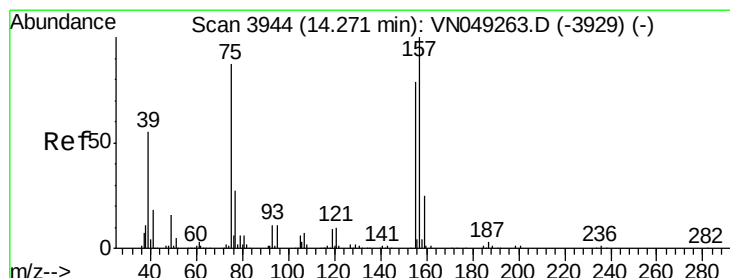
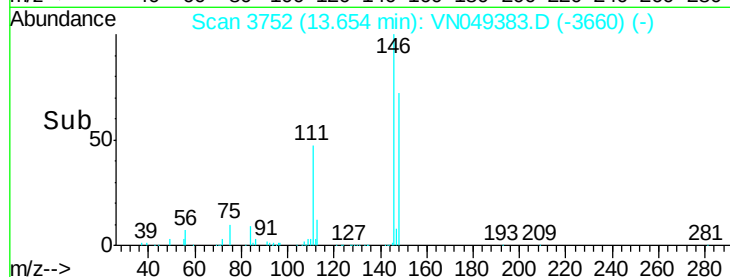
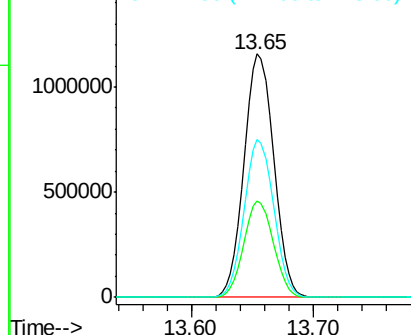
146 100

111 39.3 20.8 62.2

148 64.4 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.44 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

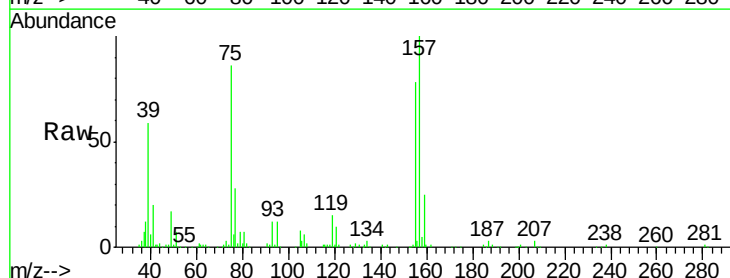
Tgt Ion: 75 Resp: 153212

Ion Ratio Lower Upper

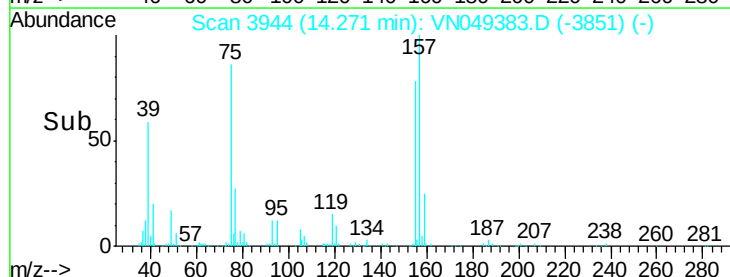
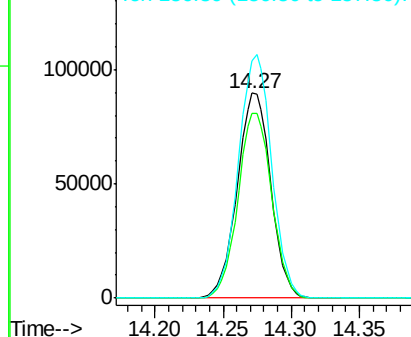
75 100

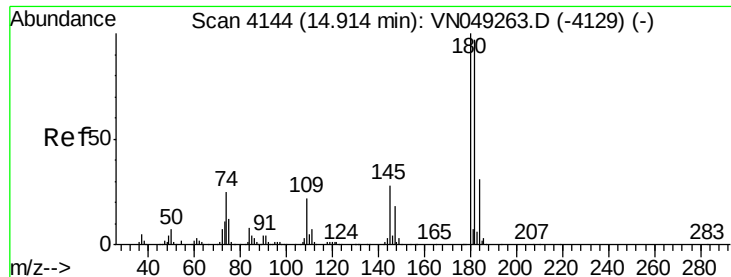
155 90.6 38.8 116.3

157 117.3 51.0 153.1



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

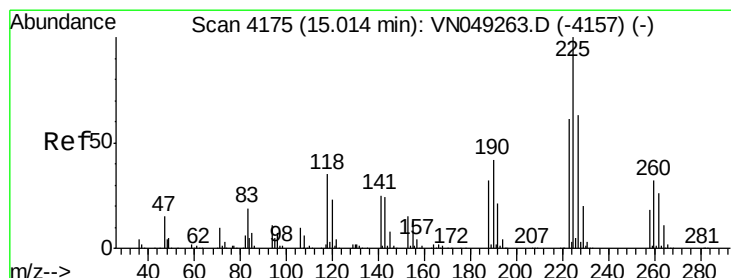
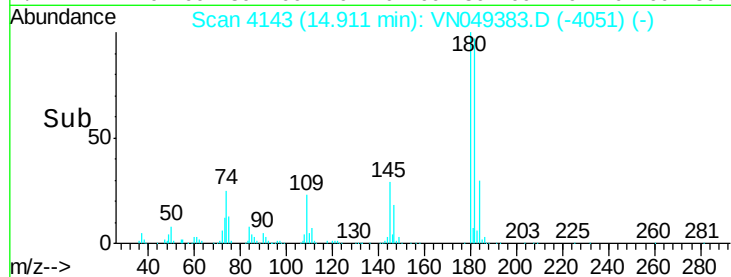
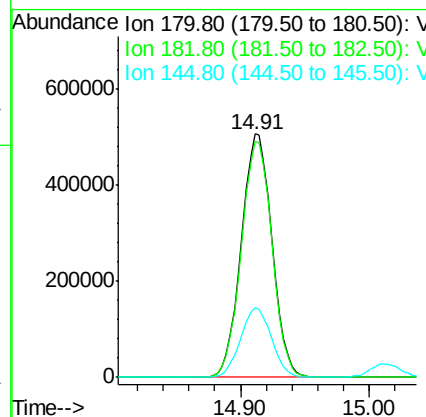
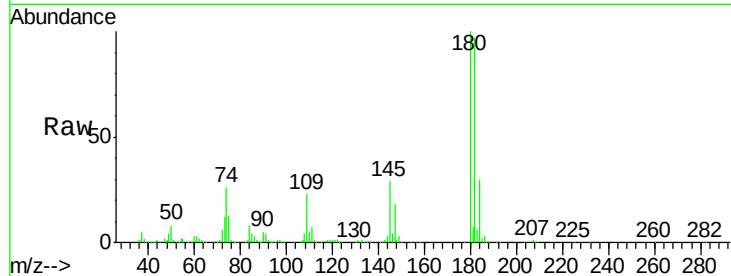




#93
 1,2,4-Trichlorobenzene
 Concen: 44.84 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

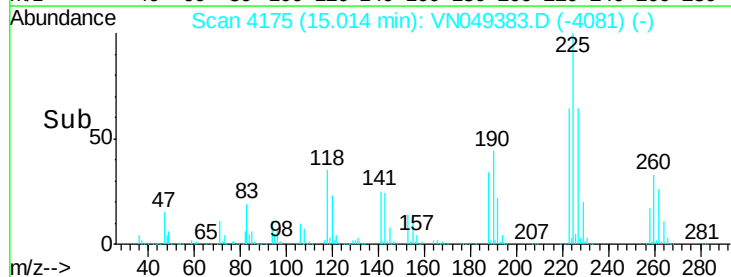
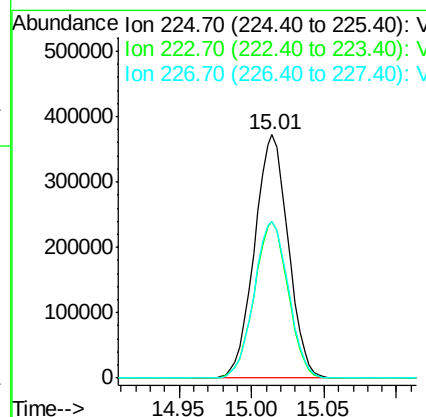
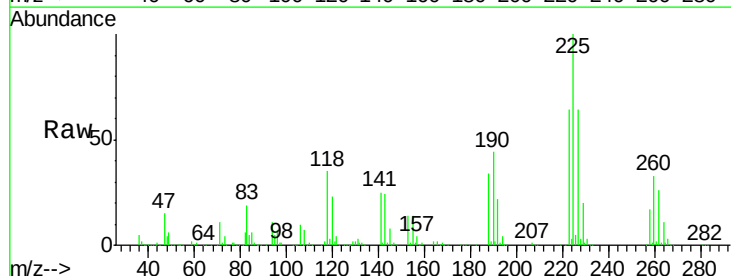
Instrument :
 MSVOA_N
 ClientSampleId :

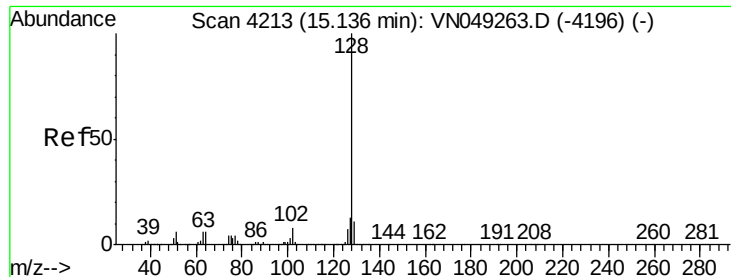
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	46.9	140.8
145	28.8	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 50.01 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049383.D
 Acq: 19 Jun 2018 13:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	32.1	96.3
227	65.5	31.8	95.3





#95

Naphthalene

Concen: 49.56 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

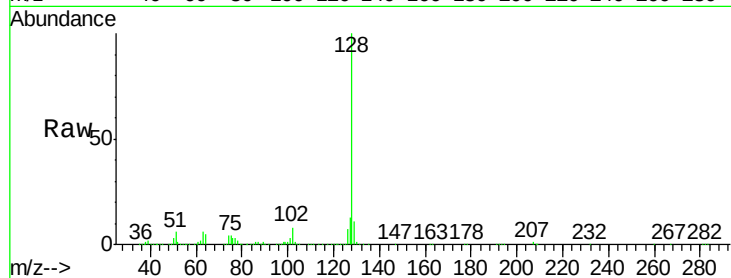
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 1660000

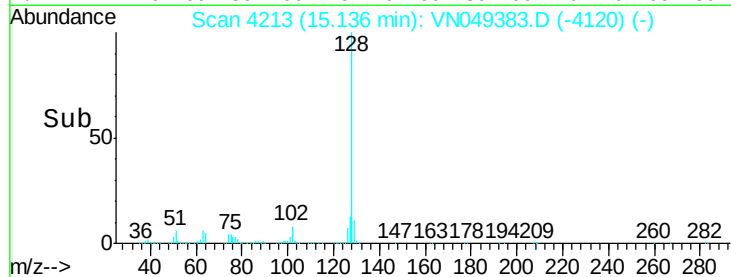
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.9	8.5	12.7



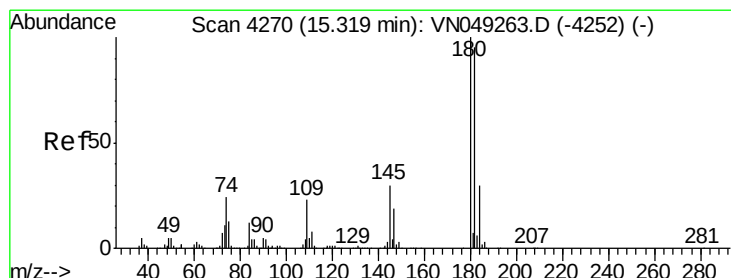
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.00 15.10 15.20



#96

1,2,3-Trichlorobenzene

Concen: 45.82 ug/l

RT: 15.32 min Scan# 4270

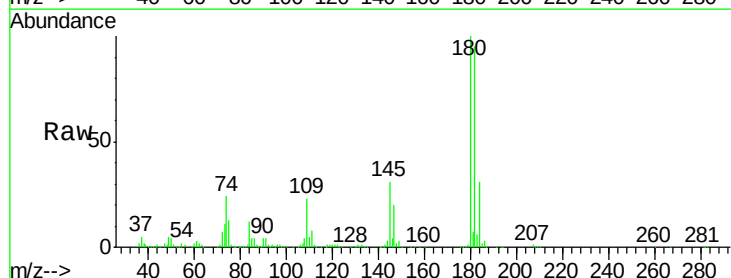
Delta R.T. 0.00 min

Lab File: VN049383.D

Acq: 19 Jun 2018 13:44

Tgt Ion:180 Resp: 841420

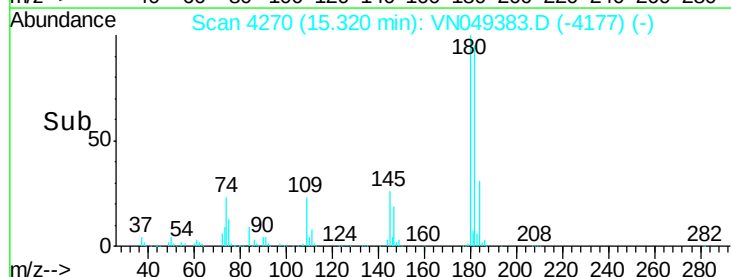
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.8
145	30.6	15.6	46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time--> 15.30 15.40