

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062218\
 Data File : VN049489.D
 Acq On : 22 Jun 2018 14:15
 Operator : MD\SY
 Sample : VN0622WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 22 22:13:24 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	1347085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1977255	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1785659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	836813	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	829428	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
35) Dibromofluoromethane	7.59	113	753801	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
50) Toluene-d8	10.09	98	2697766	44.29	ug/l	0.00
Spiked Amount			Recovery	=	88.58%	
62) 4-Bromofluorobenzene	12.40	95	898925	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	270394	17.44	ug/l	99
3) Chloromethane	2.06	50	339210	16.94	ug/l	97
4) Vinyl Chloride	2.18	62	368898	17.34	ug/l	100
5) Bromomethane	2.57	94	205741	18.39	ug/l	98
6) Chloroethane	2.71	64	237158	18.69	ug/l	96
7) Trichlorofluoromethane	3.02	101	495911	18.68	ug/l	99
8) Diethyl Ether	3.41	74	177762	19.18	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	314112	18.66	ug/l	94
10) Methyl Iodide	3.95	142	334377	19.08	ug/l	92
11) Tert butyl alcohol	4.80	59	93460	89.12	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	272696	17.66	ug/l	92
13) Acrolein	3.61	56	92699	84.29	ug/l	98
14) Allyl chloride	4.32	41	439166	18.01	ug/l	90
15) Acrylonitrile	4.99	53	496914	94.77	ug/l	99
16) Acetone	3.82	43	437289	100.80	ug/l	90
17) Carbon Disulfide	4.05	76	793168	16.38	ug/l	99
18) Methyl Acetate	4.33	43	274795	20.77	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	750545	19.06	ug/l	99
20) Methylene Chloride	4.55	84	339049	18.71	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	296842	18.15	ug/l	90
22) Diisopropyl ether	5.96	45	954926	19.61	ug/l	98
23) Vinyl Acetate	5.90	43	2939152	92.57	ug/l	96
24) 1,1-Dichloroethane	5.85	63	578832	18.57	ug/l	98
25) 2-Butanone	6.84	43	565357	97.06	ug/l	99
26) 2,2-Dichloropropane	6.82	77	474869	18.86	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	327533	18.02	ug/l	94
28) Bromochloromethane	7.20	49	260912	18.88	ug/l #	83
29) Tetrahydrofuran	7.21	42	354209	94.46	ug/l	93
30) Chloroform	7.37	83	583622	18.81	ug/l	99
31) Cyclohexane	7.65	56	475521	17.88	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	498784	18.84	ug/l	97
36) 1,1-Dichloropropene	7.79	75	419611	18.52	ug/l	97
37) Ethyl Acetate	6.93	43	249630	20.26	ug/l #	98
38) Carbon Tetrachloride	7.77	117	435705	18.57	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	429771	17.67	ug/l	96
40) Benzene	8.04	78	1300722	18.72	ug/l	99
41) Methacrylonitrile	7.18	41	136924	20.56	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	413540	19.27	ug/l	95
43) Isopropyl Acetate	8.17	43	451201	19.17	ug/l	98
44) Trichloroethene	8.83	130	352711	19.22	ug/l	92
45) 1,2-Dichloropropane	9.12	63	345611	19.00	ug/l	100
46) Dibromomethane	9.21	93	204028	19.34	ug/l	92
47) Bromodichloromethane	9.40	83	442197	19.08	ug/l	96
48) Methyl methacrylate	9.20	41	216535	19.53	ug/l	89
49) 1,4-Dioxane	9.20	88	57351	374.88	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1210773	98.14	ug/l	94
52) Toluene	10.16	92	792826	19.44	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	405213	18.27	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	482837	18.44	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	288639	18.99	ug/l	98
56) Ethyl methacrylate	10.43	69	333771	19.03	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	482985	19.18	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	341186	65.63	ug/l	94
59) 2-Hexanone	10.75	43	779265	97.98	ug/l	94
60) Dibromochloromethane	10.90	129	324556	19.13	ug/l	98
61) 1,2-Dibromoethane	11.01	107	266406	18.85	ug/l	100
64) Tetrachloroethene	10.63	164	401717	21.95	ug/l	98
65) Chlorobenzene	11.44	112	846921	18.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	325775	18.82	ug/l	100
67) Ethyl Benzene	11.51	91	1425047	18.68	ug/l	99
68) m/p-Xylenes	11.62	106	1116030	38.97	ug/l	96
69) o-Xylene	11.95	106	526678	19.10	ug/l	95
70) Styrene	11.97	104	832583	19.13	ug/l	98
71) Bromoform	12.13	173	216372	19.31	ug/l #	98
73) Isopropylbenzene	12.25	105	1395018	18.99	ug/l	99
74) N-amyl acetate	12.07	43	322045	17.90	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	306898	18.91	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	403919	28.29	ug/l #	100
77) Bromobenzene	12.53	156	358507	18.47	ug/l	90
78) n-propylbenzene	12.59	91	1563187	19.38	ug/l	98
79) 2-Chlorotoluene	12.68	91	973702	19.05	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1136939	19.69	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	80970	17.92	ug/l	95
82) 4-Chlorotoluene	12.77	91	944775	19.16	ug/l	97
83) tert-Butylbenzene	12.99	119	962174	18.81	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1129291	19.68	ug/l	99
85) sec-Butylbenzene	13.17	105	1284714	18.87	ug/l	99
86) p-Isopropyltoluene	13.29	119	1059720	18.63	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	598960	18.76	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	567469	17.93	ug/l	99
89) n-Butylbenzene	13.62	91	758707	17.07	ug/l	98
90) Hexachloroethane	13.88	117	215336	18.95	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	585119	18.69	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45429	17.76	ug/l	85

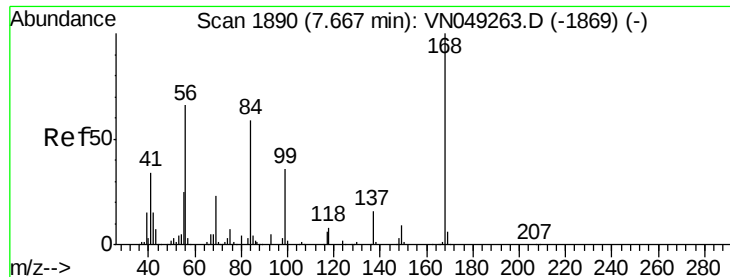
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062218\
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	176083	15.85	ug/l	98
94) Hexachlorobutadiene	15.01	225	191550	19.24	ug/l	99
95) Naphthalene	15.14	128	342562	16.26	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	196006	16.46	ug/l	97

(#) = 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: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

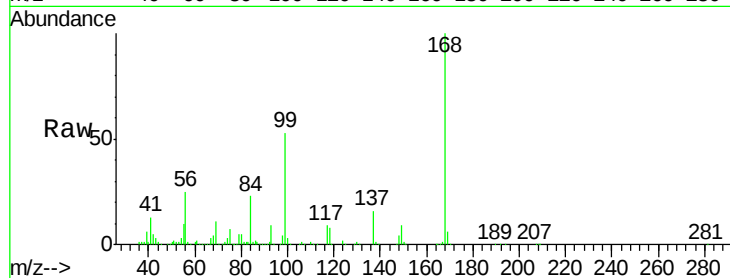
ClientSampled :

Tot Ion:168 Resp: 1347085

Ion Ratio Lower Upper

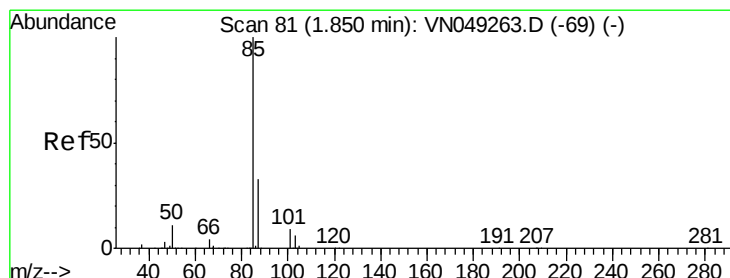
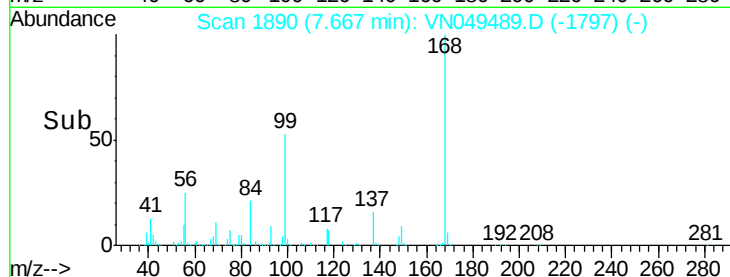
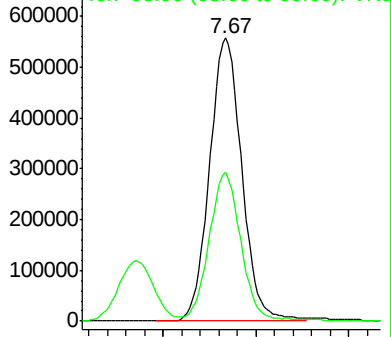
168 100

99 52.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.44 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049489.D

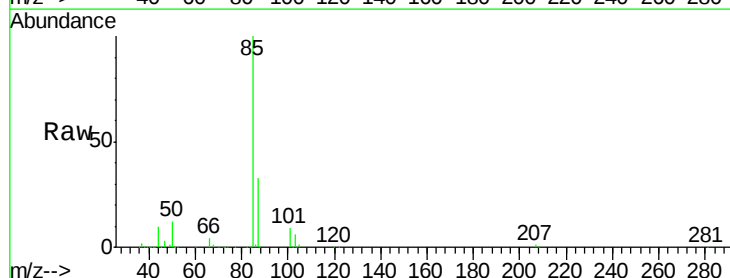
Acq: 22 Jun 2018 14:15

Tgt Ion: 85 Resp: 270394

Ion Ratio Lower Upper

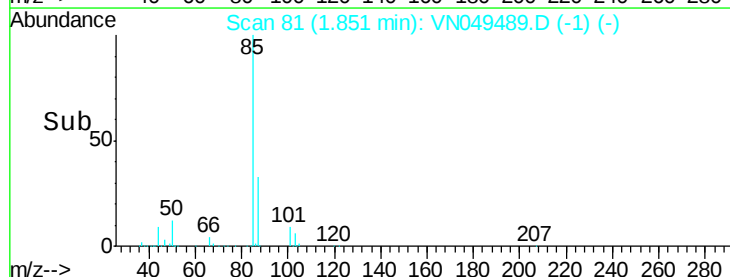
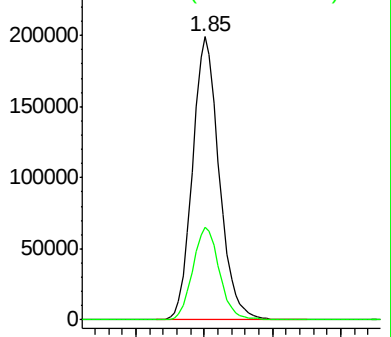
85 100

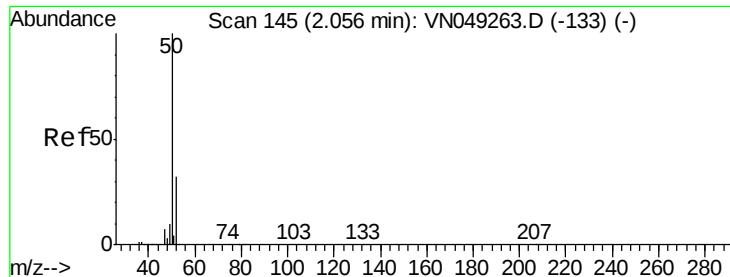
87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 16.94 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

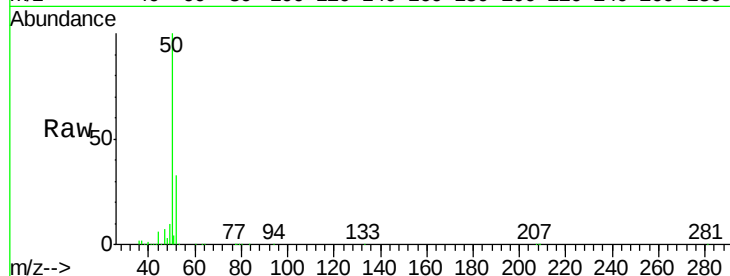
ClientSampleId :

Tot Ion: 50 Resp: 339210

Ion Ratio Lower Upper

50 100

52 33.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN049489.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN049489.D (-52) (-)

2.06

250000

200000

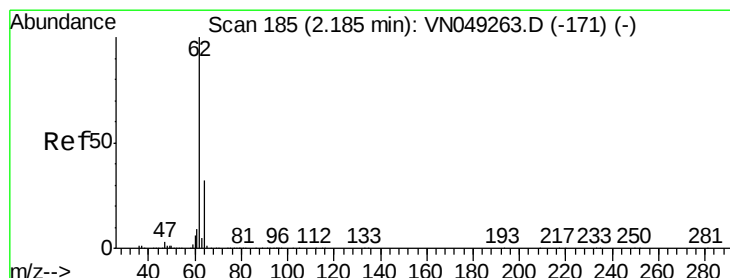
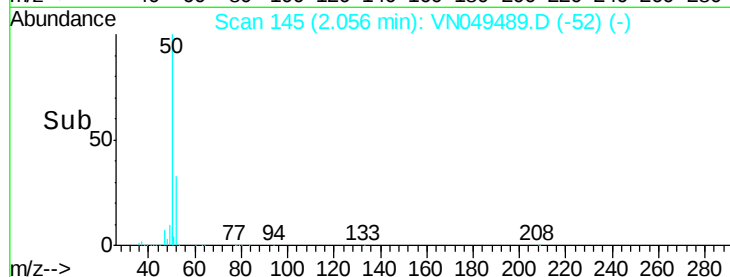
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 17.34 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049489.D

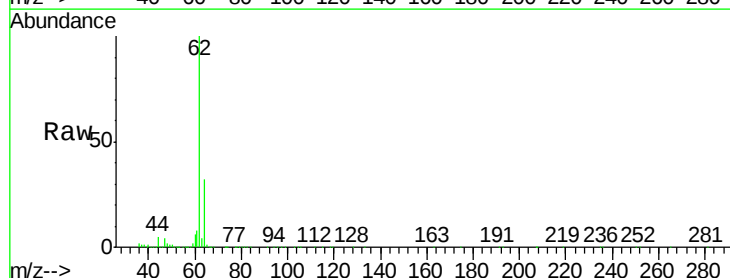
Acq: 22 Jun 2018 14:15

Tgt Ion: 62 Resp: 368898

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN049489.D (-92) (-)

Ion 63.90 (63.60 to 64.60): VN049489.D (-92) (-)

2.18

250000

200000

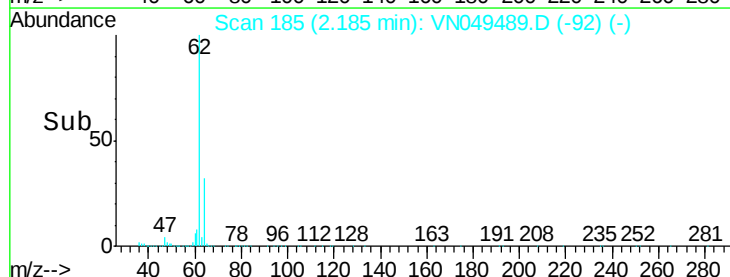
150000

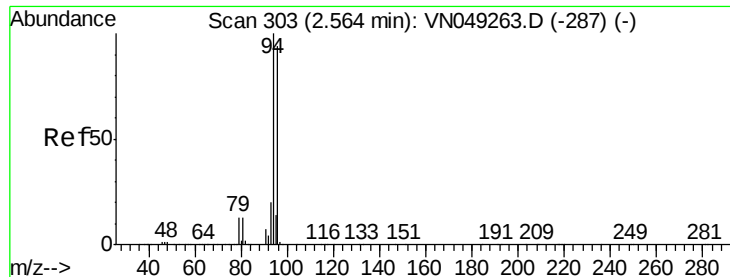
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.39 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

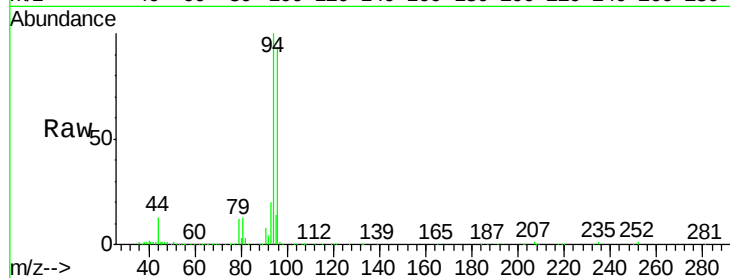
ClientSampled :

Tot Ion: 94 Resp: 205741

Ion Ratio Lower Upper

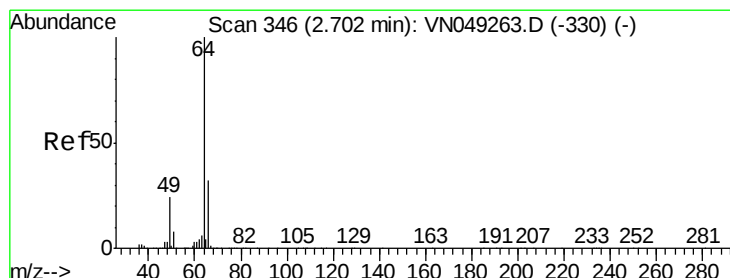
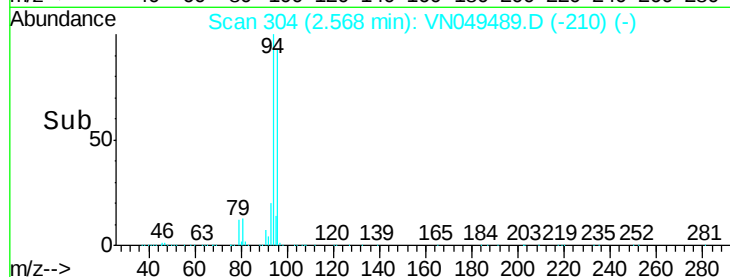
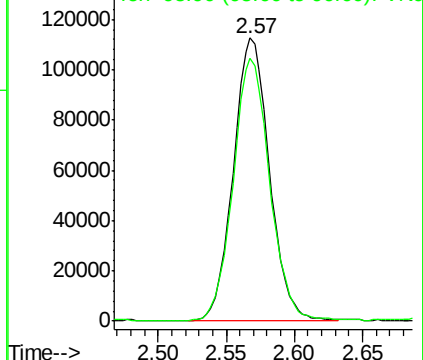
94 100

96 92.8 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: 18.69 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049489.D

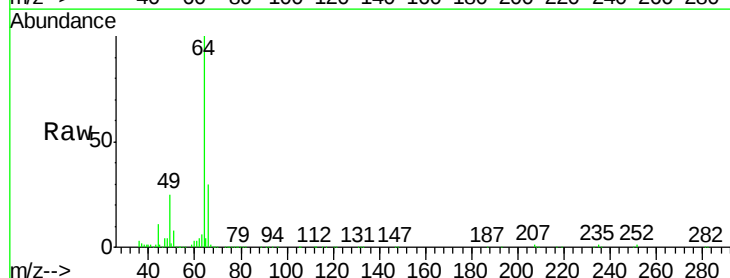
Acq: 22 Jun 2018 14:15

Tgt Ion: 64 Resp: 237158

Ion Ratio Lower Upper

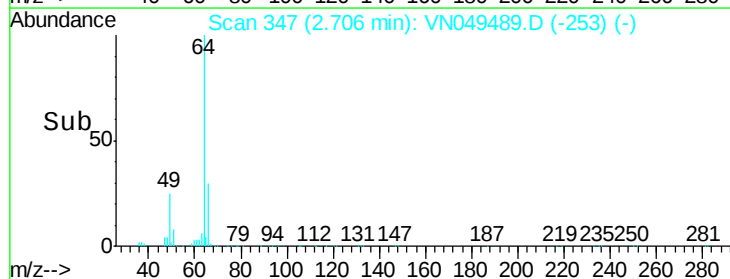
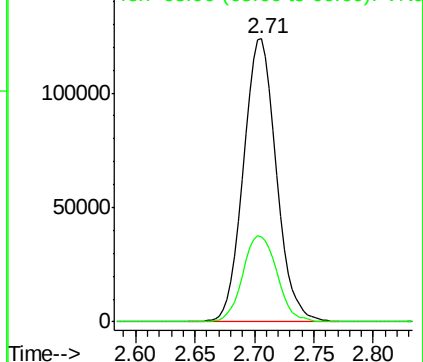
64 100

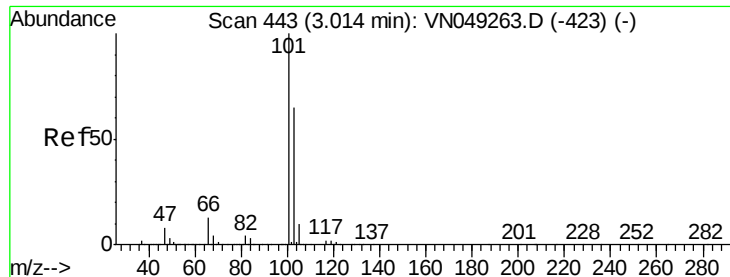
66 29.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



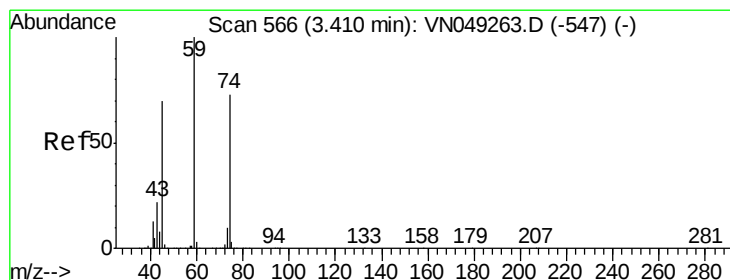
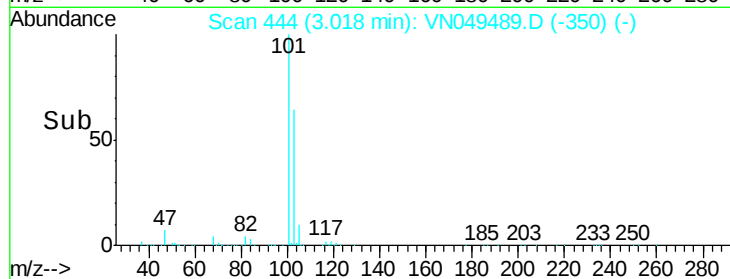
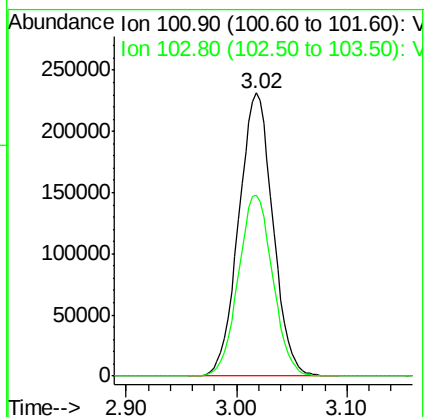
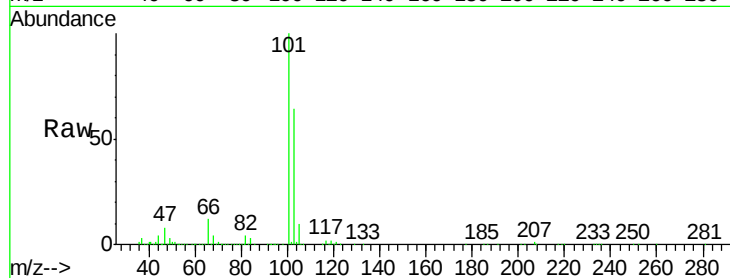


#7

Trichlorofluoromethane
Concen: 18.68 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
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ClientSampleId :

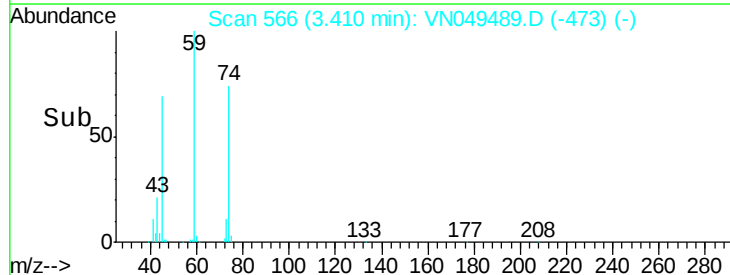
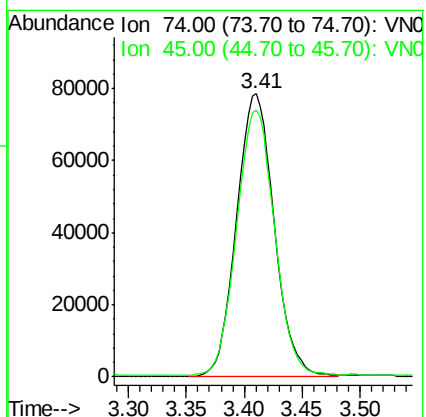
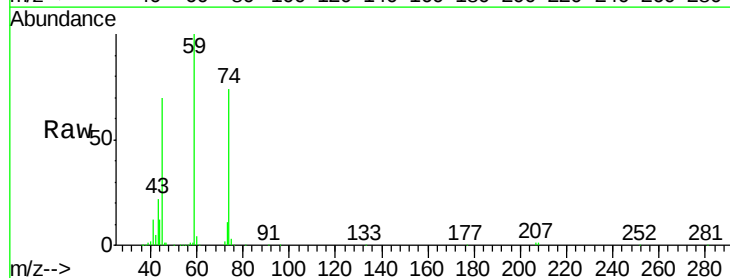
Tot Ion:101 Resp: 495911
Ion Ratio Lower Upper
101 100
103 64.0 51.7 77.5



#8

Diethyl Ether
Concen: 19.18 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 74 Resp: 177762
Ion Ratio Lower Upper
74 100
45 93.9 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.66 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampled :

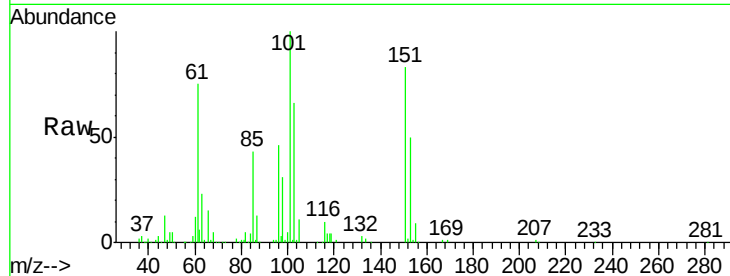
Tot Ion:101 Resp: 314112

Ion Ratio Lower Upper

101 100

85 42.8 37.6 56.4

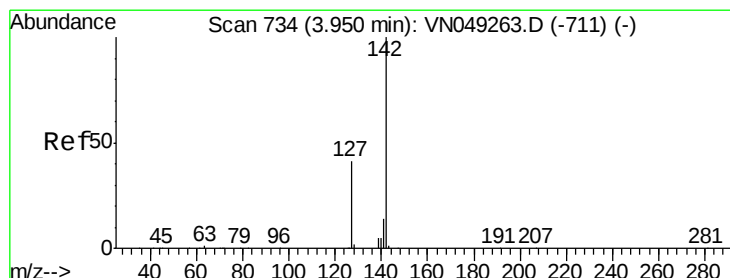
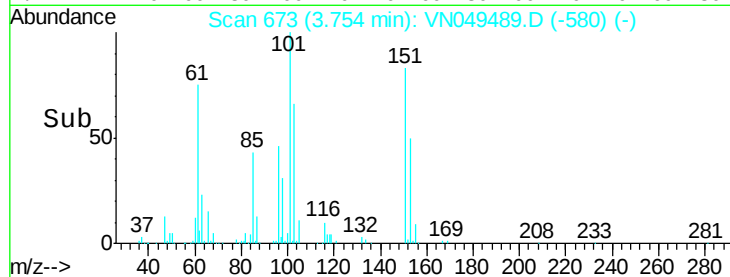
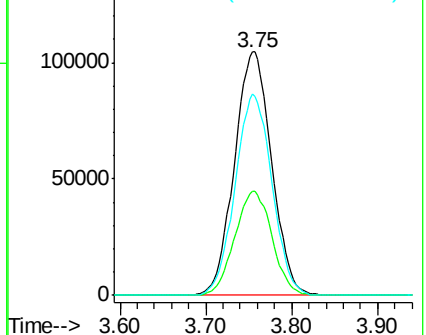
151 81.8 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.08 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

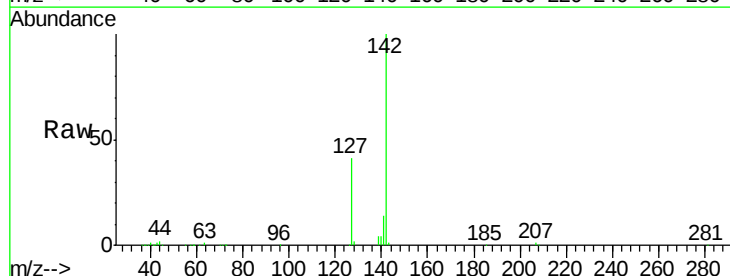
Tgt Ion:142 Resp: 334377

Ion Ratio Lower Upper

142 100

127 40.9 38.2 57.4

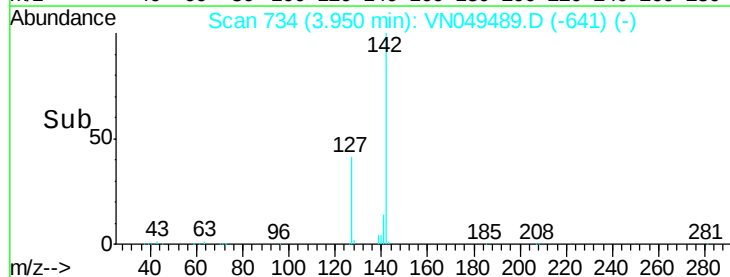
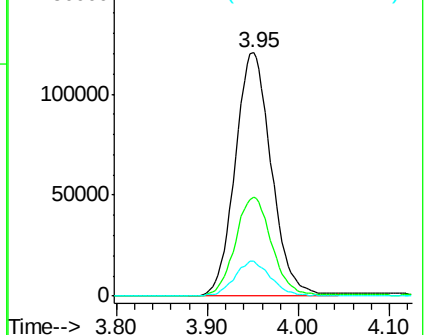
141 14.2 11.9 17.9

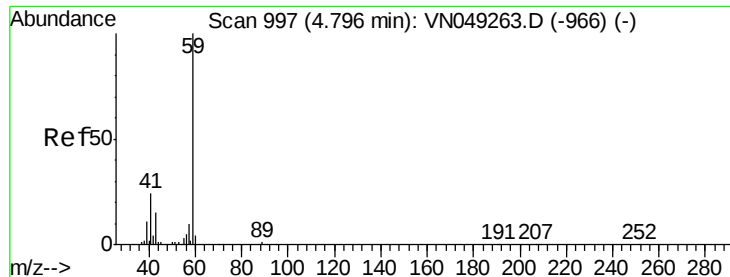


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



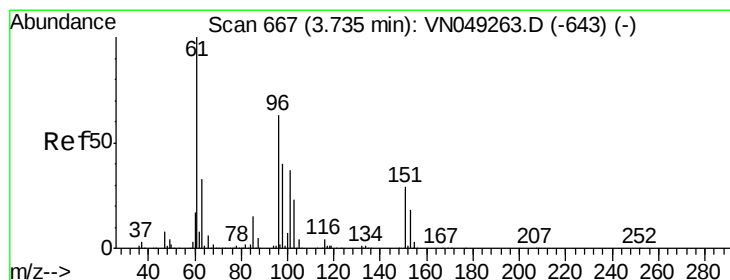
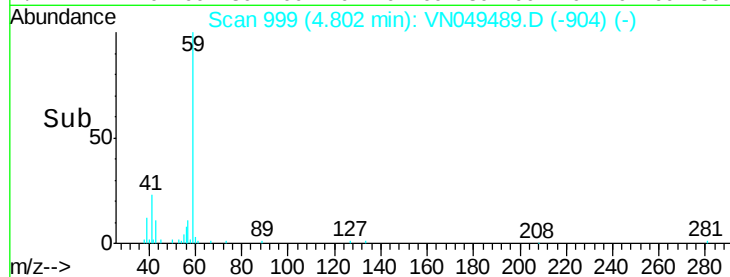
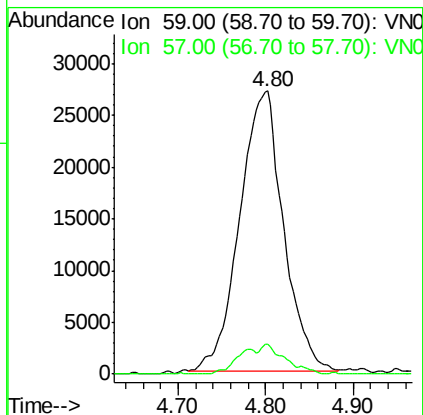
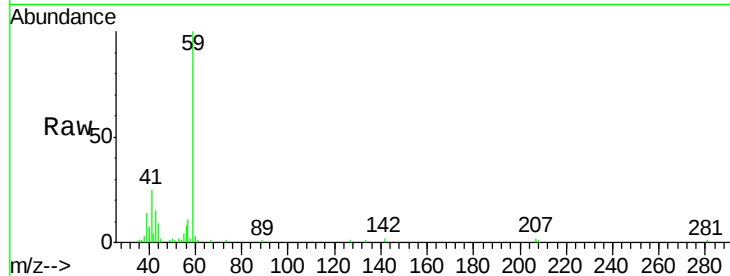


#11

Tert butyl alcohol
 Concen: 89.12 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_N
 ClientSampled :

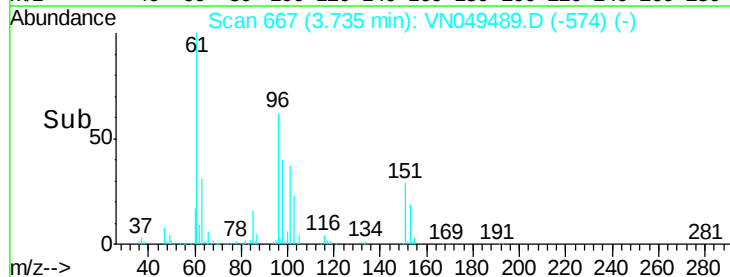
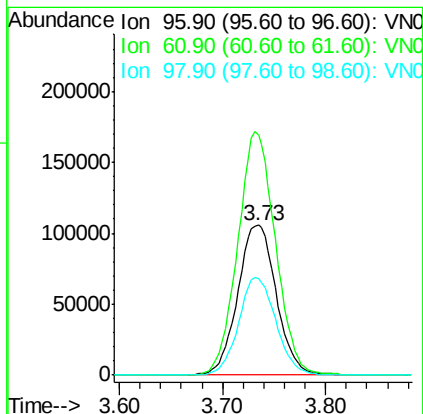
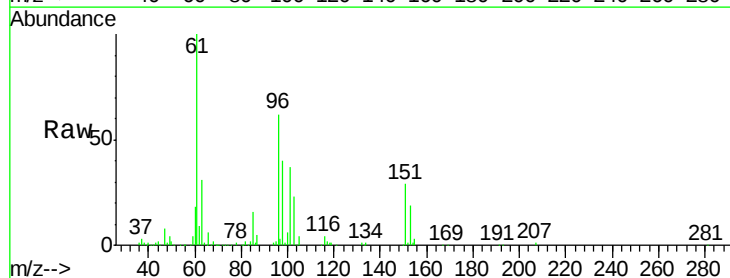
Tot Ion: 59 Resp: 93460
 Ion Ratio Lower Upper
 59 100
 57 5.9 9.0 13.6#

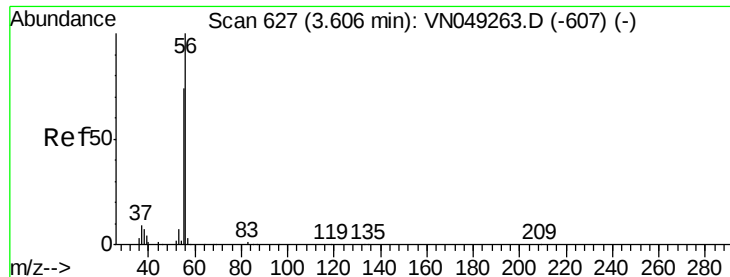


#12

1,1-Dichloroethene
 Concen: 17.66 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion: 96 Resp: 272696
 Ion Ratio Lower Upper
 96 100
 61 160.9 141.0 211.4
 98 64.2 50.4 75.6





#13

Acrolein

Concen: 84.29 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

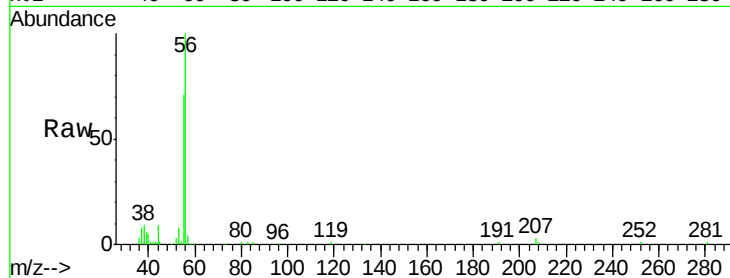
ClientSampleId :

Tot Ion: 56 Resp: 92699

Ion Ratio Lower Upper

56 100

55 69.6 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

40000

30000

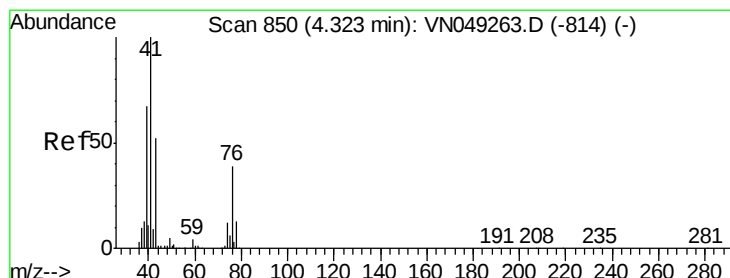
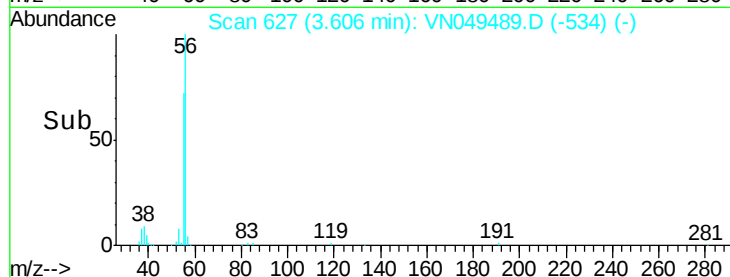
20000

10000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 18.01 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

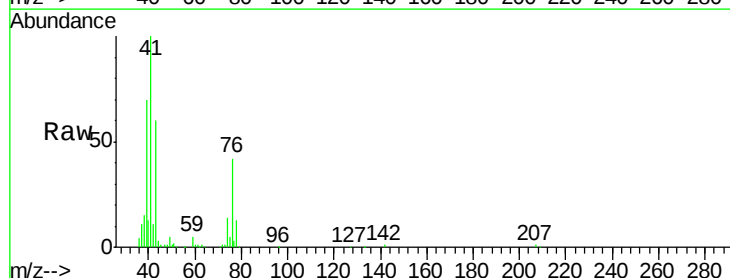
Tgt Ion: 41 Resp: 439166

Ion Ratio Lower Upper

41 100

39 67.5 62.5 93.7

76 37.5 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

4.32

150000

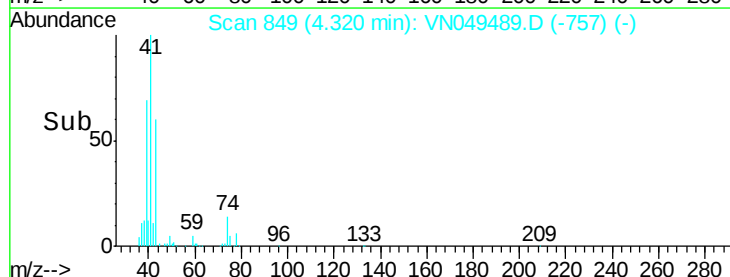
100000

50000

0

Time-->

4.20 4.30 4.40 4.50

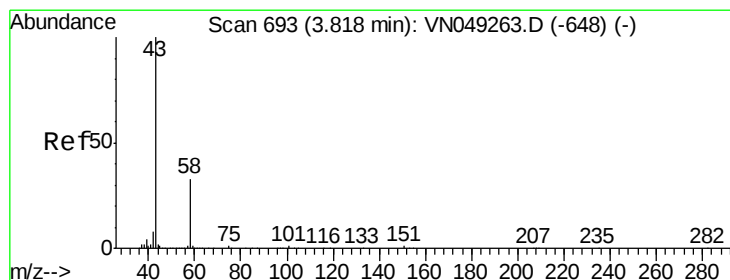
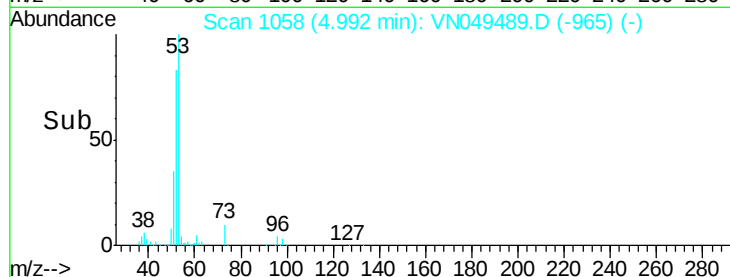
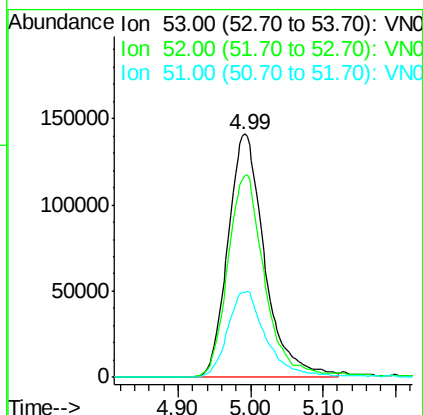
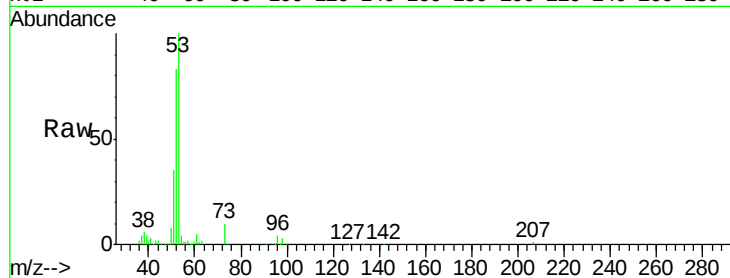




#15
 Acrylonitrile
 Concen: 94.77 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

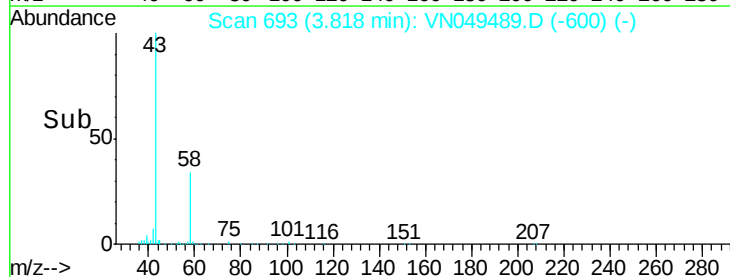
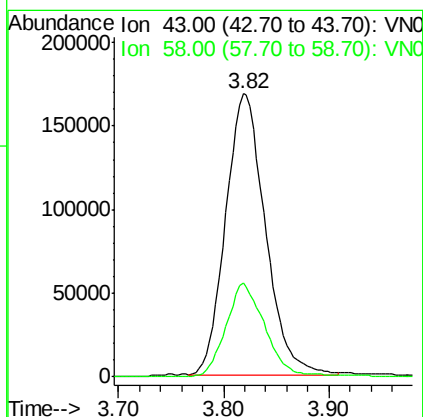
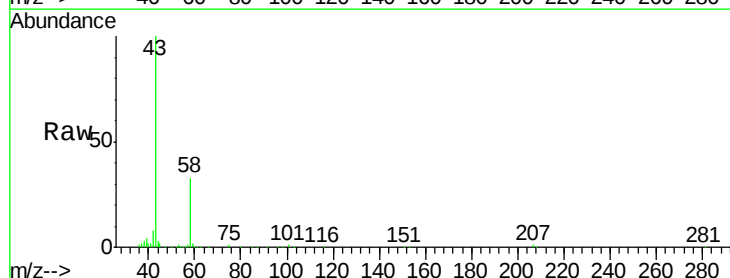
Instrument :
 MSVOA_N
 ClientSampleId :

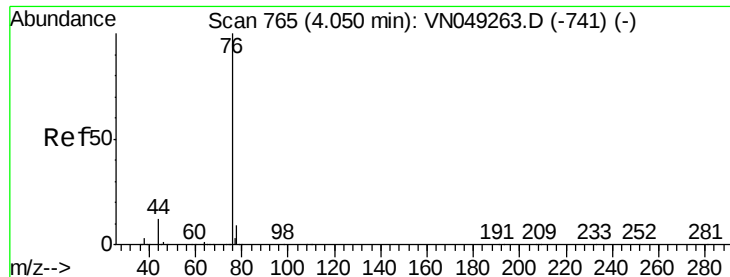
Tot Ion	53	Resp	496914
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.6	100.0
51	37.2	29.8	44.8



#16
 Acetone
 Concen: 100.80 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion	43	Resp	437289
Ion	Ratio	Lower	Upper
43	100		
58	33.4	22.4	33.6

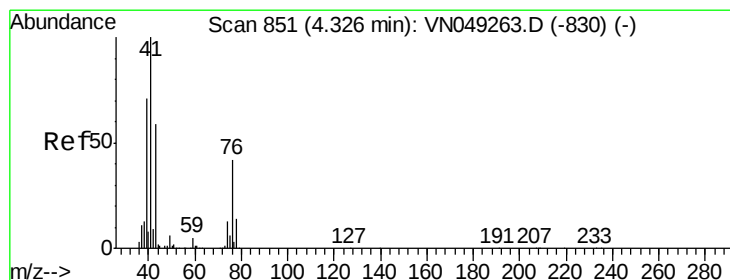
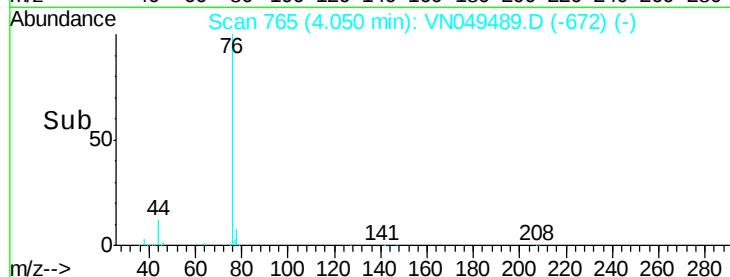
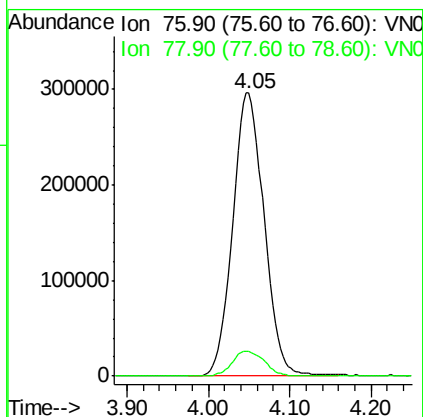
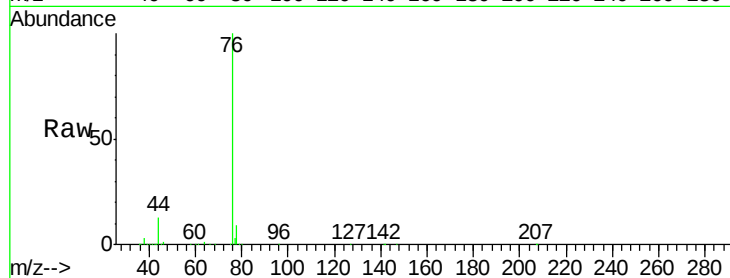




#17
Carbon Disulfide
Concen: 16.38 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

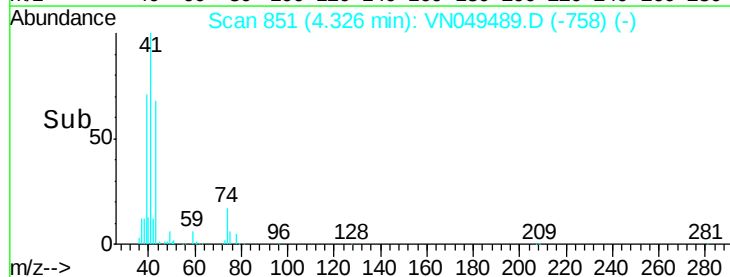
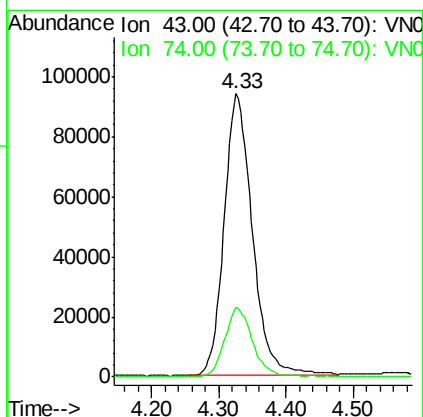
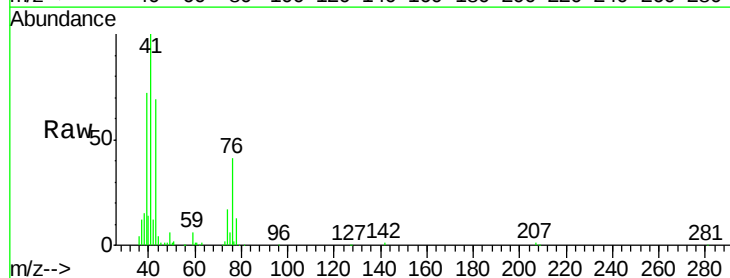
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 793168
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 20.77 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 43 Resp: 274795
Ion Ratio Lower Upper
43 100
74 23.9 17.4 26.0

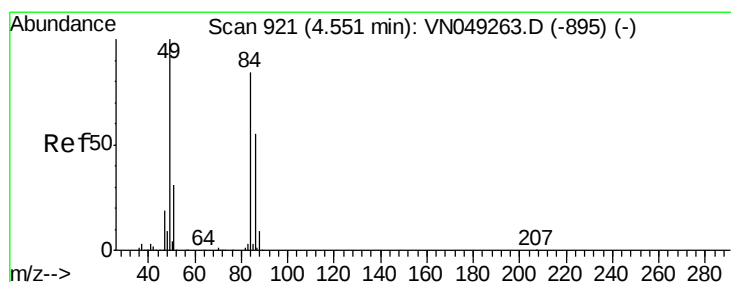
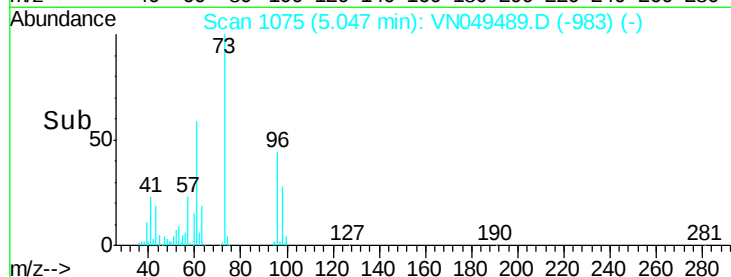
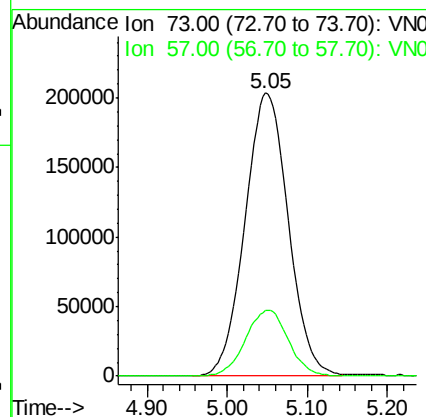
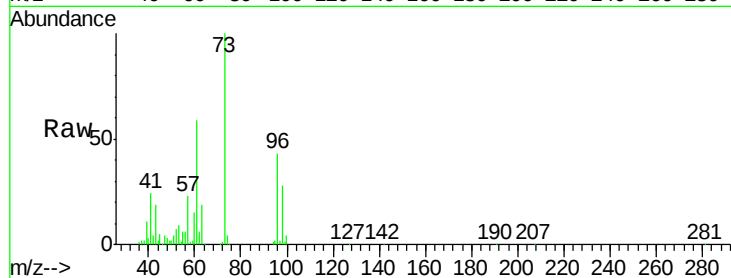




#19
Methvl tert-butvl Ether
Concen: 19.06 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

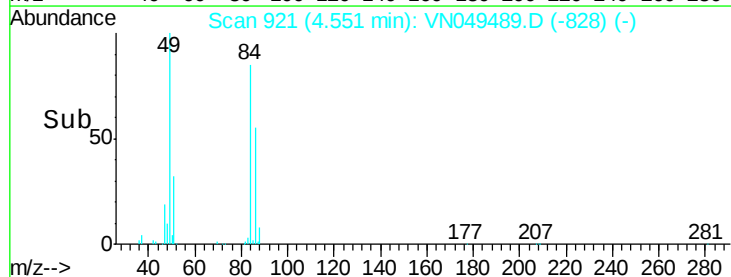
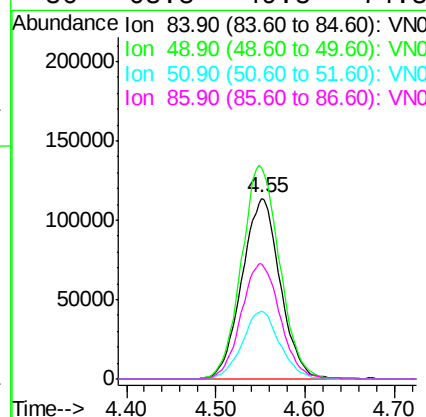
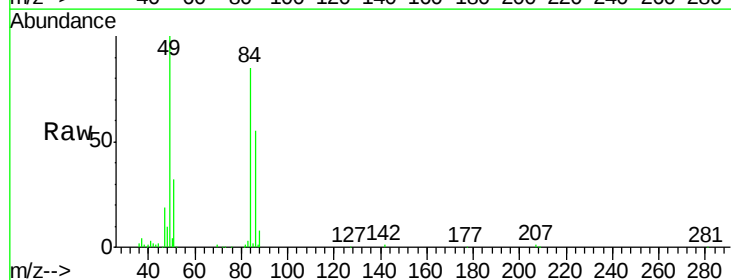
Instrument :
MSVOA_N
ClientSampled :

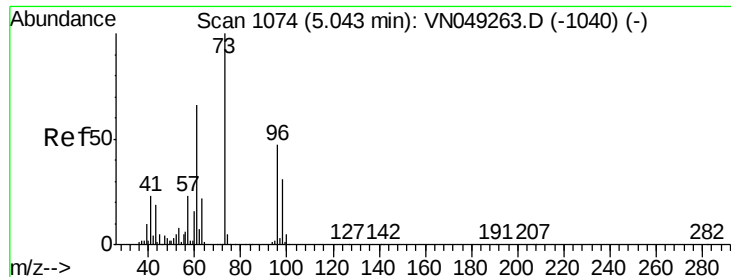
Tot Ion: 73 Resp: 750545
Ion Ratio Lower Upper
73 100
57 23.1 18.2 27.4



#20
Methylene Chloride
Concen: 18.71 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 84 Resp: 339049
Ion Ratio Lower Upper
84 100
49 117.1 106.9 160.3
51 37.2 32.7 49.1
86 63.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.15 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :

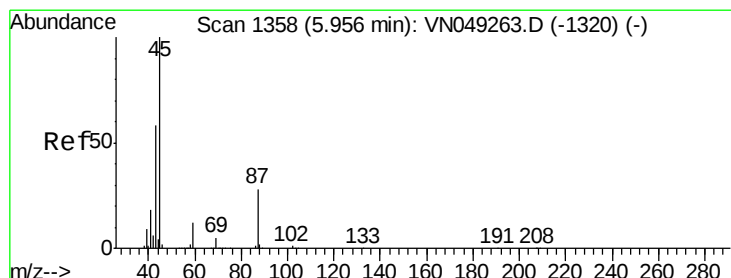
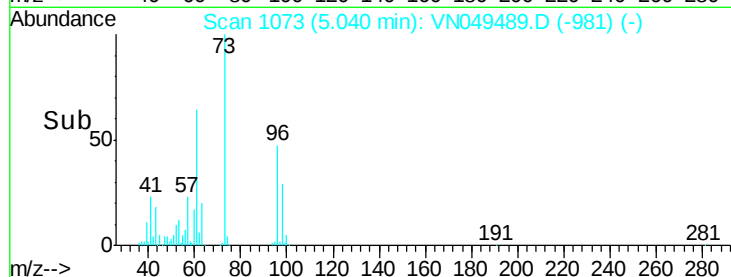
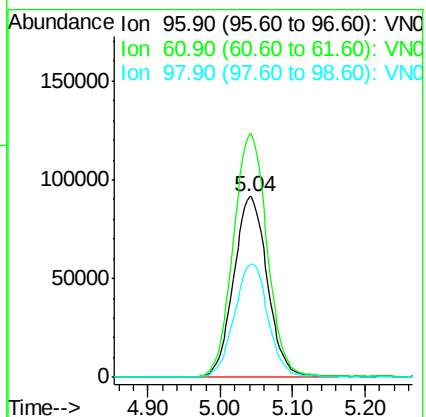
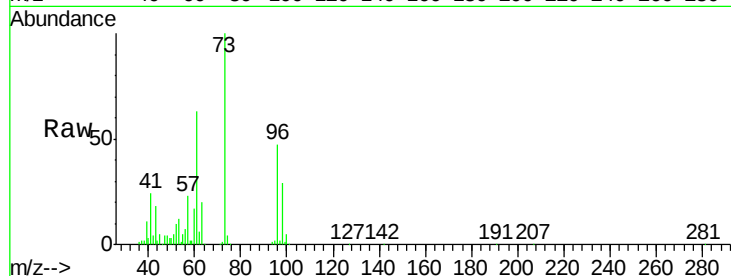
Tot Ion: 96 Resp: 296842

Ion Ratio Lower Upper

96 100

61 134.5 121.3 181.9

98 62.1 52.0 78.0



#22

Diisopropyl ether

Concen: 19.61 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Tgt Ion: 45 Resp: 954926

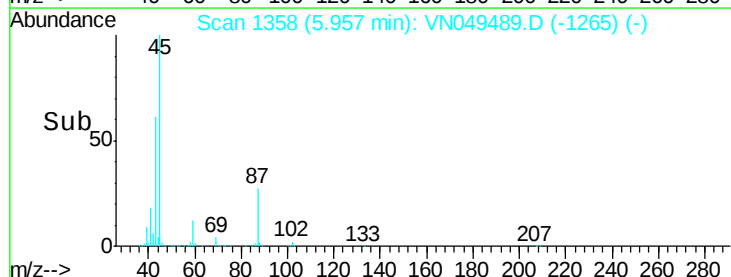
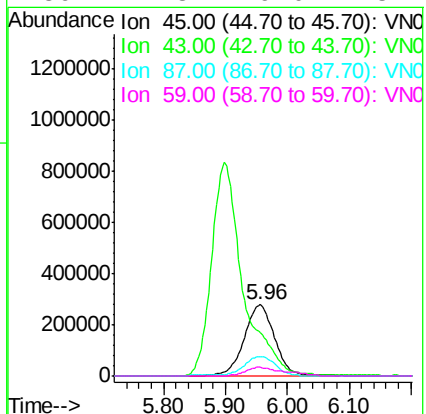
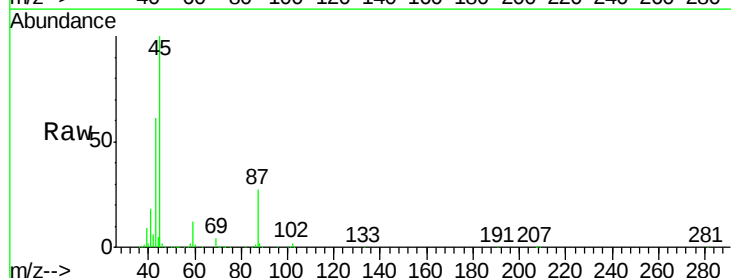
Ion Ratio Lower Upper

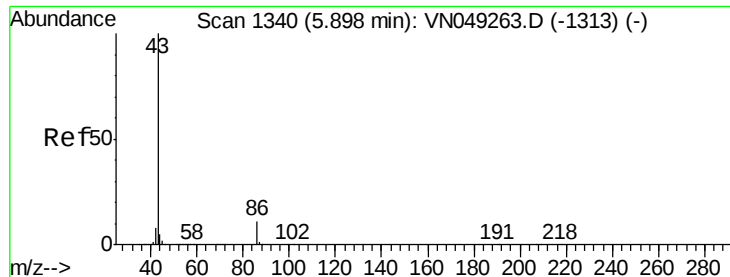
45 100

43 59.6 48.6 72.8

87 27.1 20.2 30.2

59 11.8 9.0 13.4





#23

Vinyl Acetate

Concen: 92.57 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

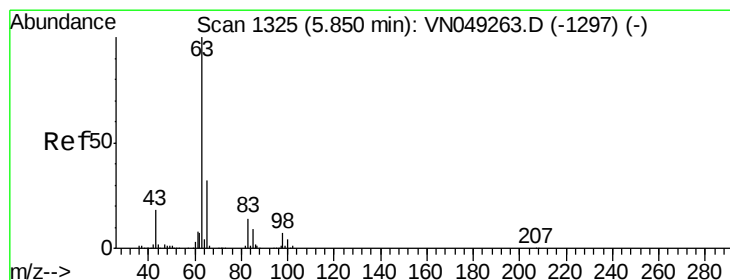
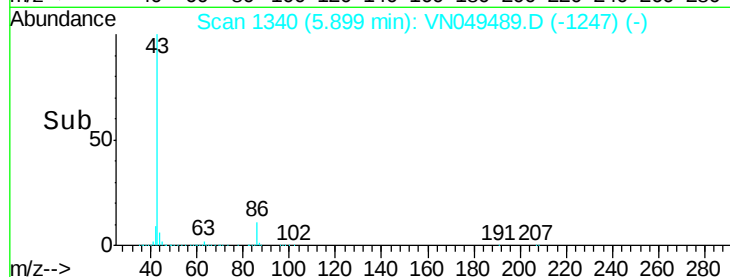
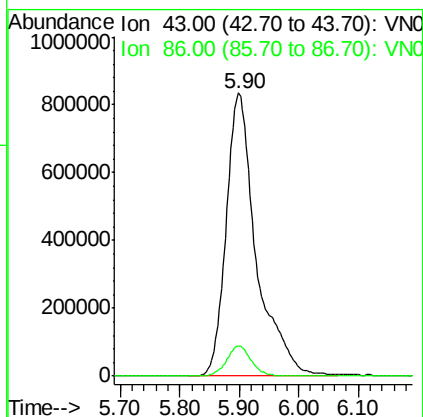
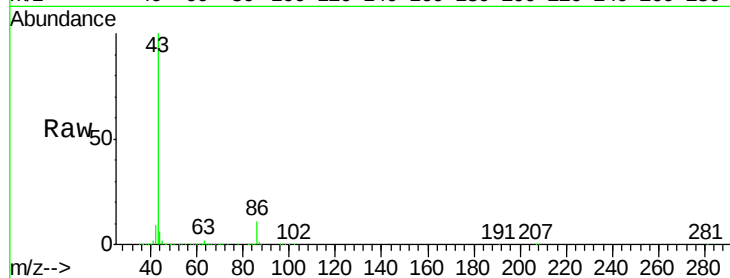
ClientSampled :

Tot Ion: 43 Resp: 2939152

Ion Ratio Lower Upper

43 100

86 10.6 7.2 10.8



#24

1,1-Dichloroethane

Concen: 18.57 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

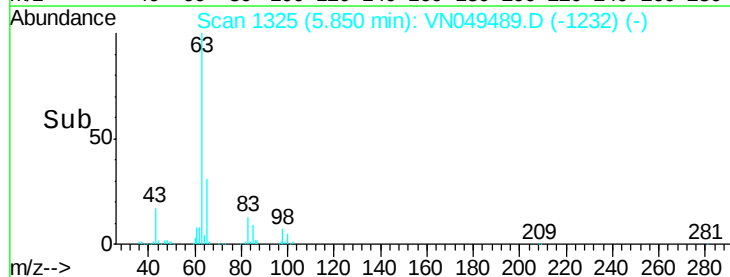
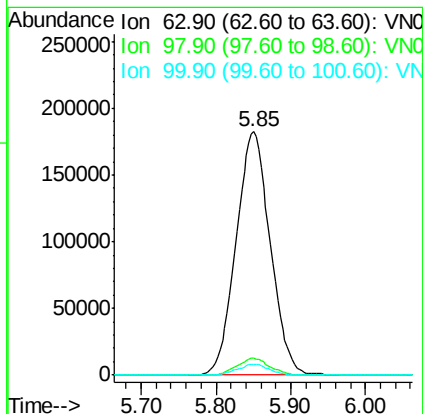
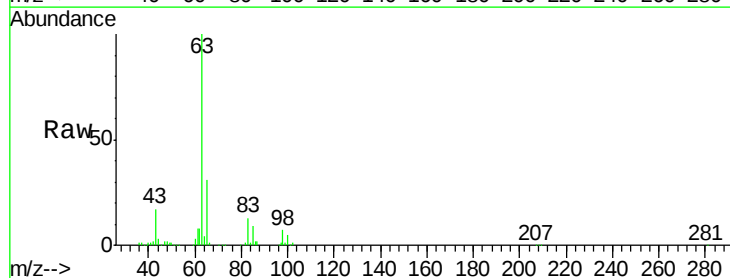
Tgt Ion: 63 Resp: 578832

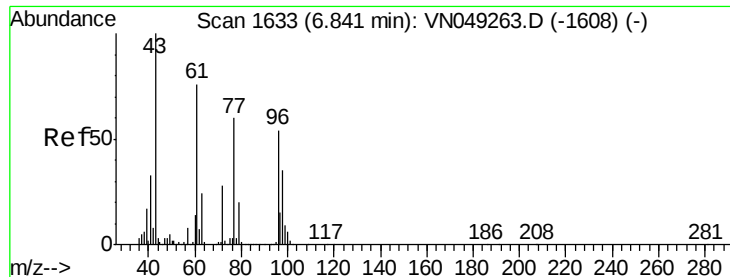
Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 97.06 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

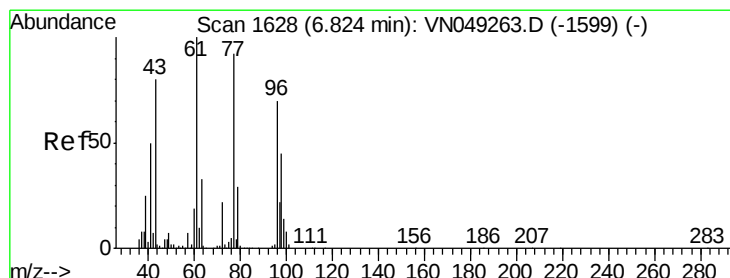
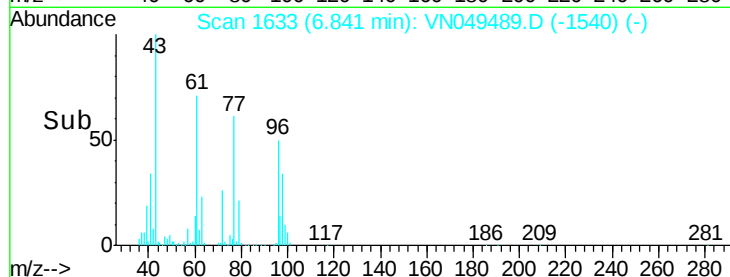
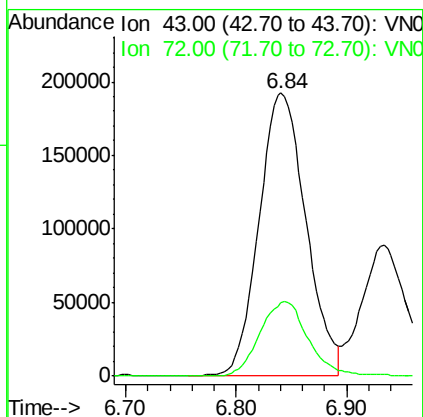
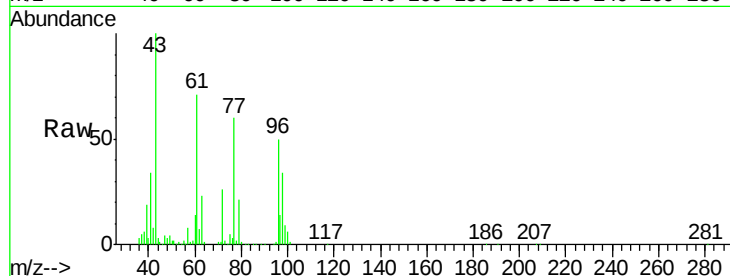
ClientSampleId :

Tot Ion: 43 Resp: 565357

Ion Ratio Lower Upper

43 100

72 25.8 20.2 30.2



#26

2,2-Dichloropropane

Concen: 18.86 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049489.D

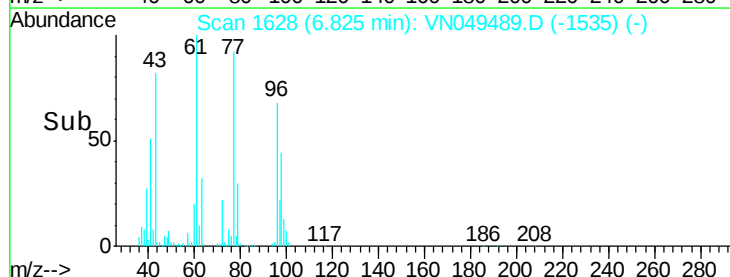
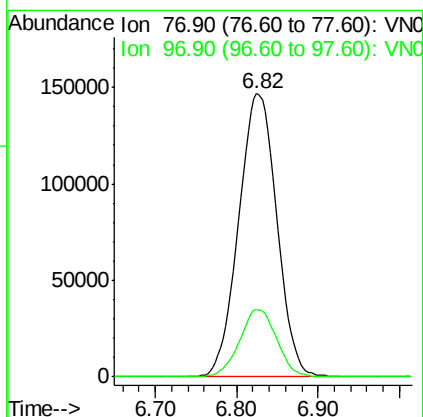
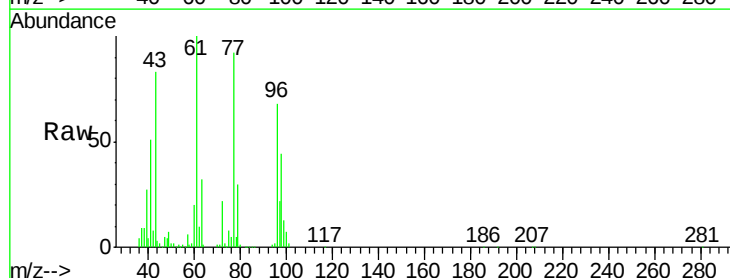
Acq: 22 Jun 2018 14:15

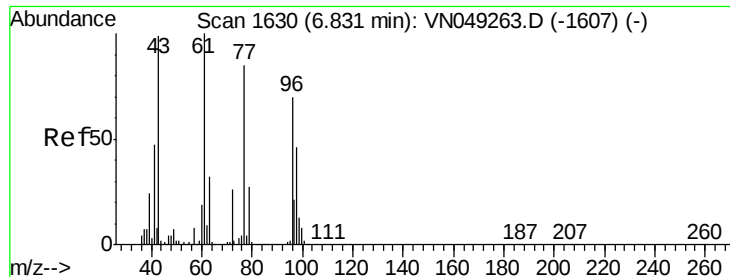
Tgt Ion: 77 Resp: 474869

Ion Ratio Lower Upper

77 100

97 23.3 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 18.02 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :

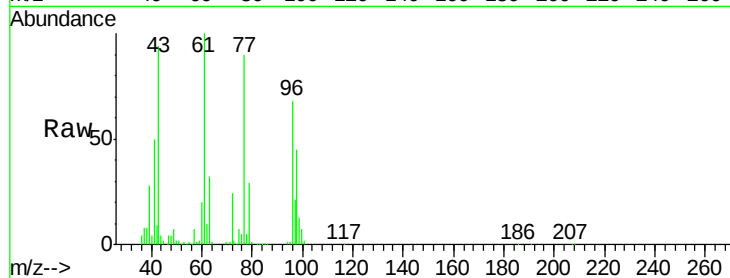
Tot Ion: 96 Resp: 327533

Ion Ratio Lower Upper

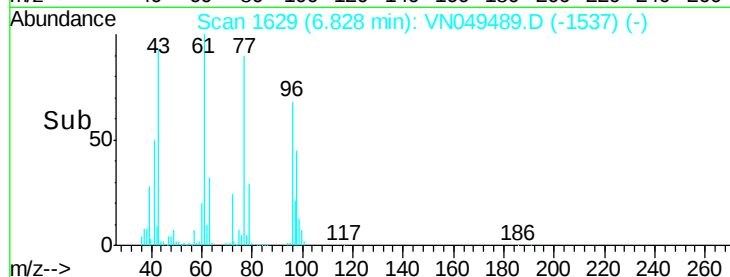
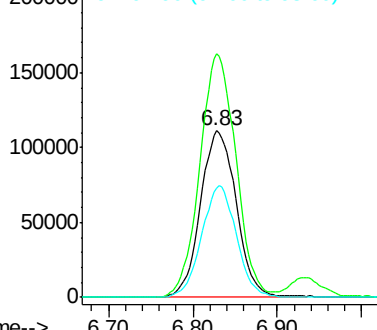
96 100

61 147.5 0.0 316.4

98 65.4 0.0 128.4



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



#28

Bromochloromethane

Concen: 18.88 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

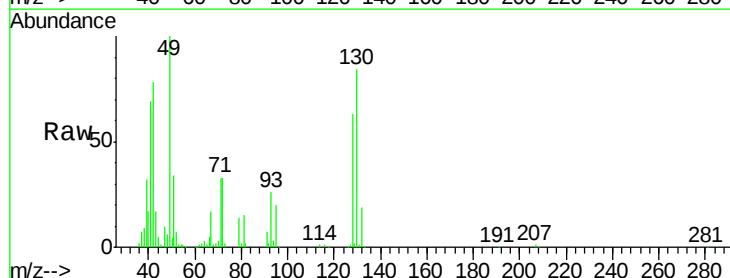
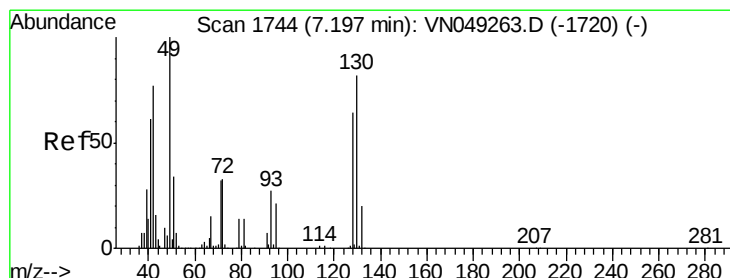
Tgt Ion: 49 Resp: 260912

Ion Ratio Lower Upper

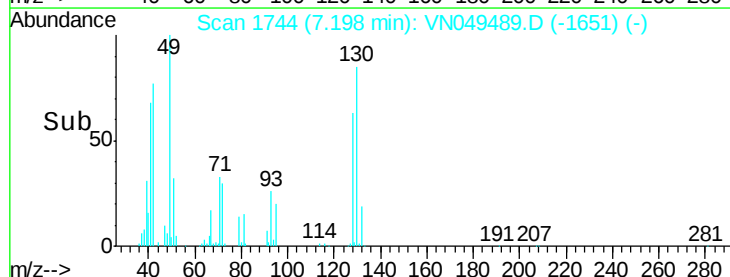
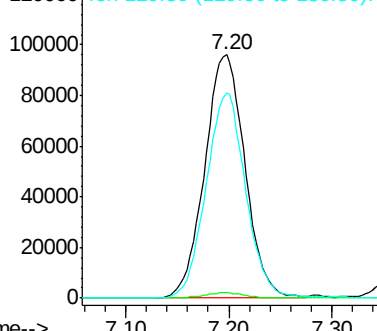
49 100

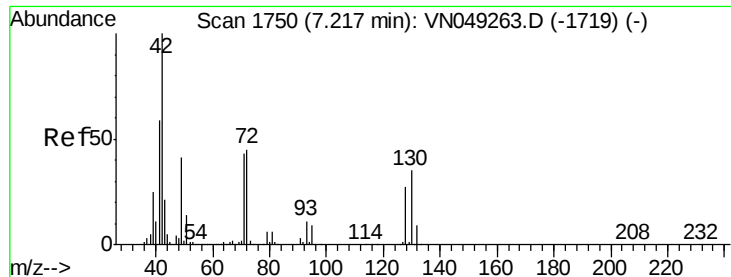
129 2.3 0.0 3.8

130 82.6 54.9 82.3#



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

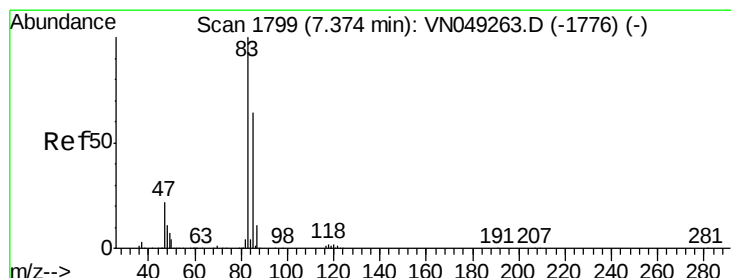
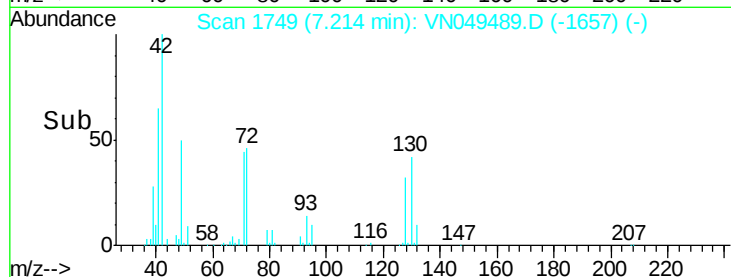
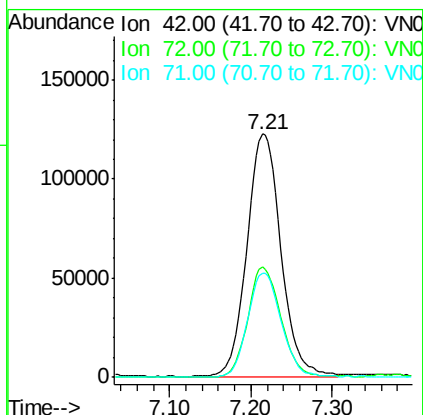
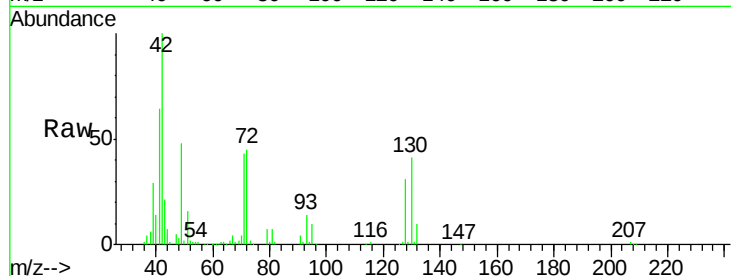




#29
Tetrahydrofuran
Concen: 94.46 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

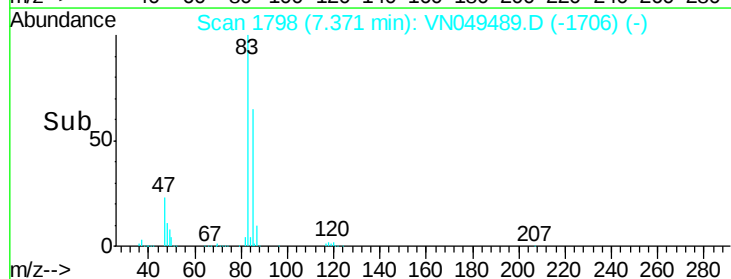
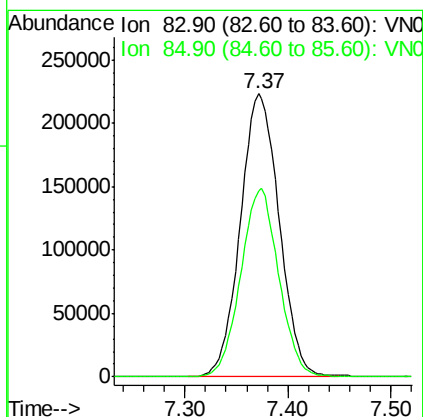
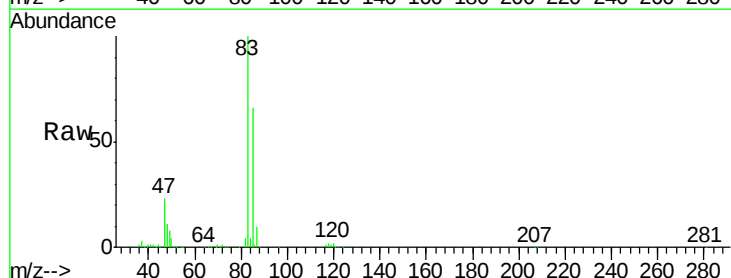
Instrument :
MSVOA_N
ClientSampleId :

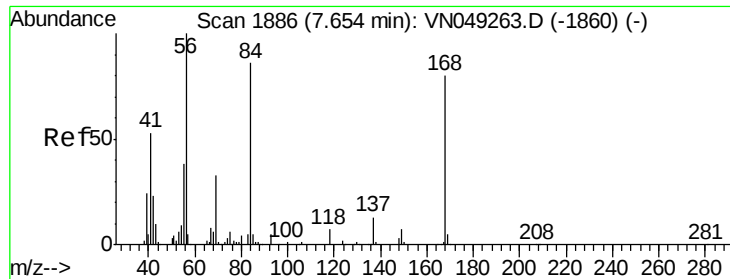
Tot Ion: 42 Resp: 354209
Ion Ratio Lower Upper
42 100
72 44.3 32.2 48.4
71 42.2 30.5 45.7



#30
Chloroform
Concen: 18.81 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 83 Resp: 583622
Ion Ratio Lower Upper
83 100
85 65.7 51.7 77.5

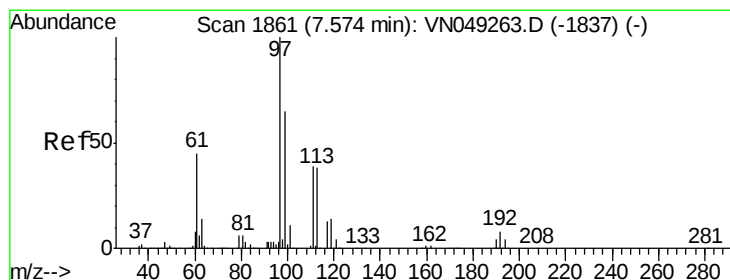
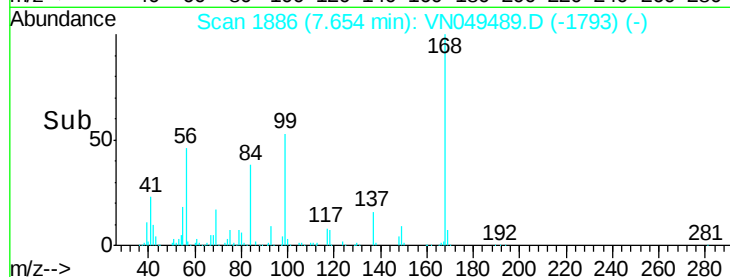
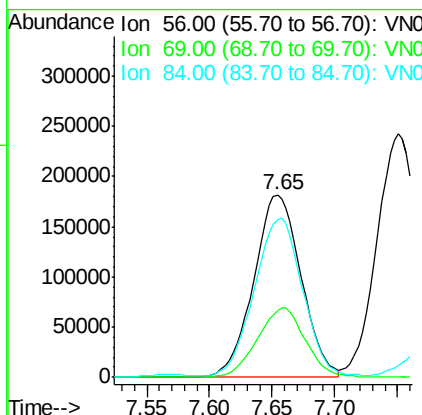
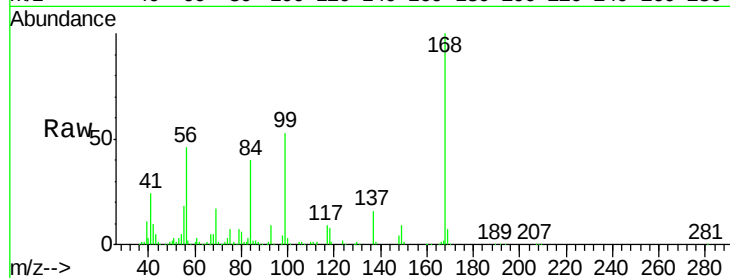




#31
Cyclohexane
Concen: 17.88 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

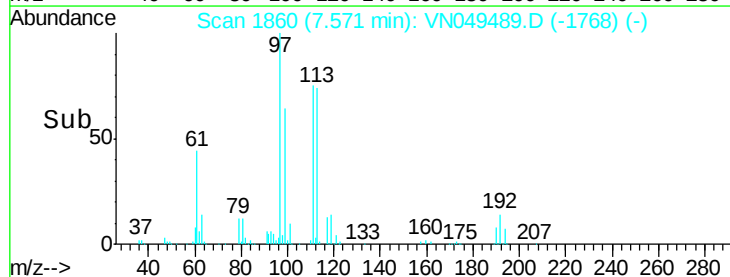
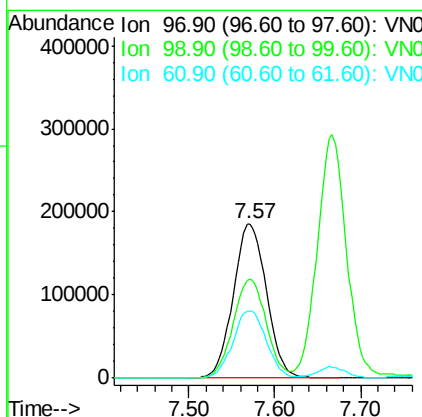
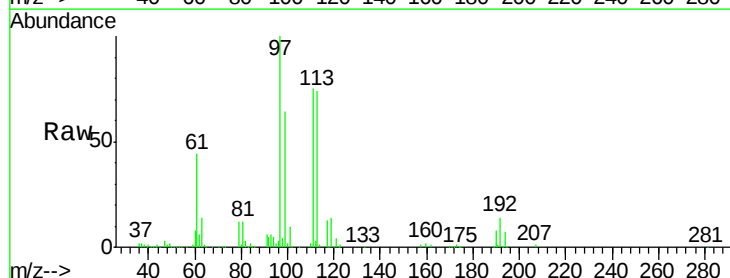
Instrument :
MSVOA_N
ClientSampleId :

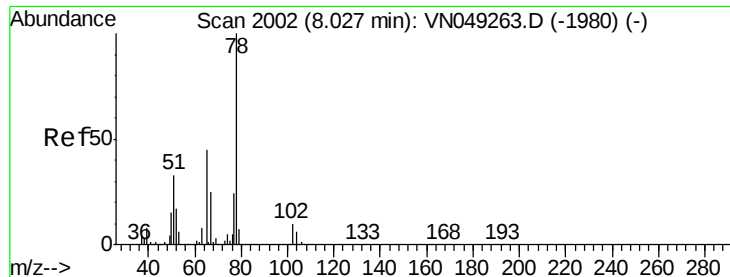
Tot Ion: 56 Resp: 475521
Ion Ratio Lower Upper
56 100
69 36.6 25.0 37.4
84 85.9 64.6 96.8



#32
1,1,1-Trichloroethane
Concen: 18.84 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 97 Resp: 498784
Ion Ratio Lower Upper
97 100
99 63.7 50.5 75.7
61 43.8 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 46.42 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

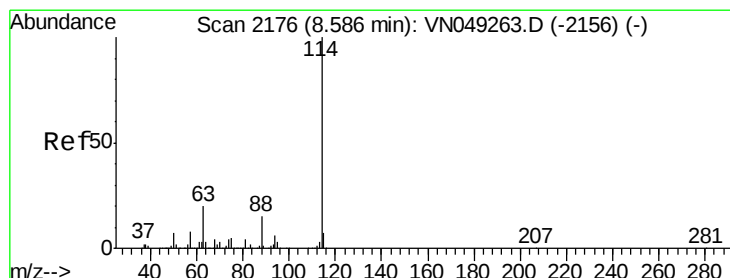
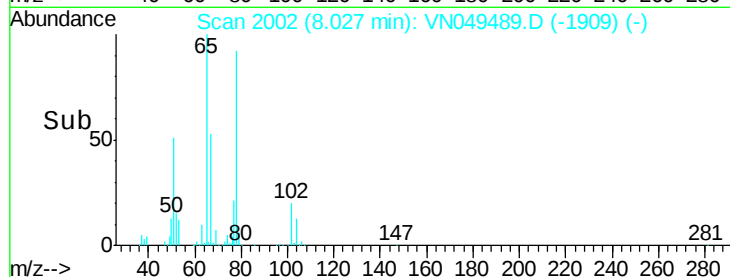
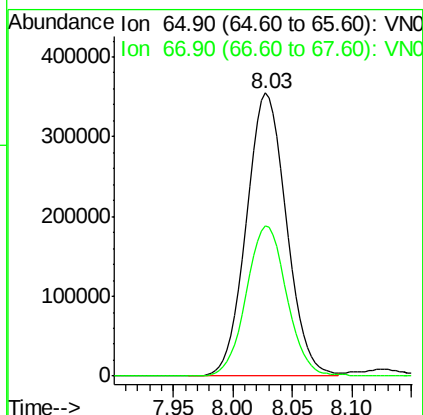
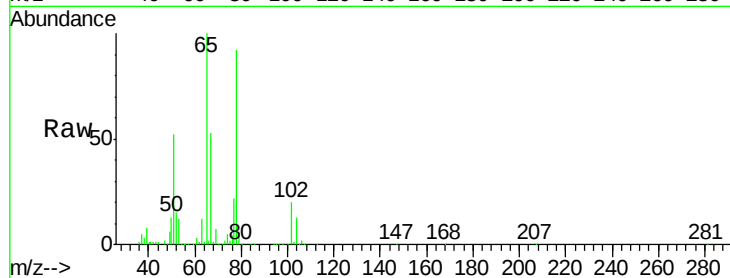
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 829428

Ion Ratio Lower Upper

65 100

67 53.5 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: VN049489.D

Acq: 22 Jun 2018 14:15

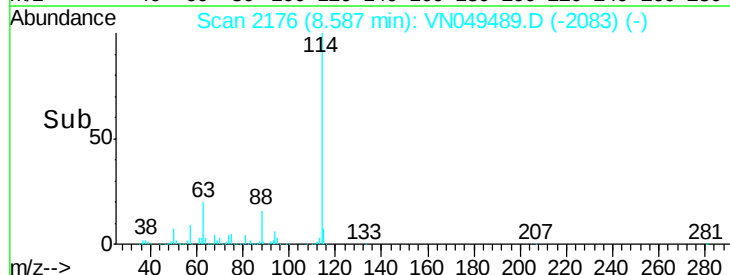
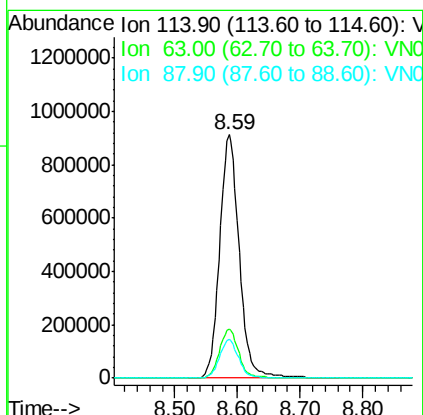
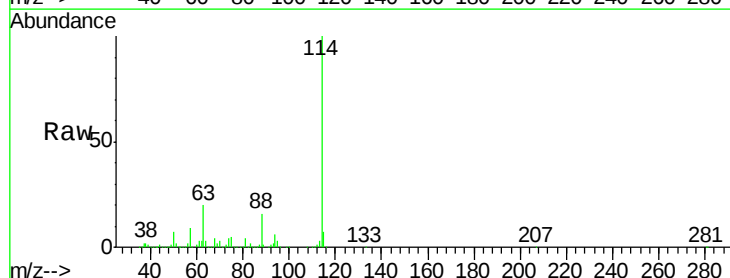
Tgt Ion: 114 Resp: 1977255

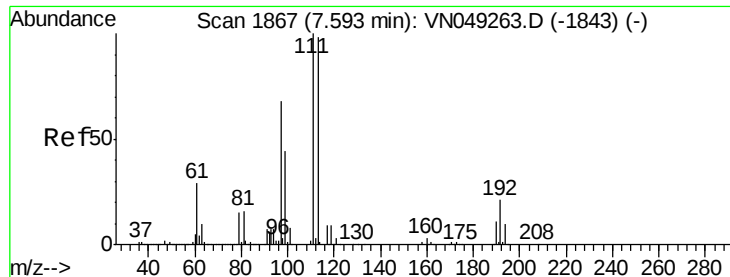
Ion Ratio Lower Upper

114 100

63 20.1 0.0 44.4

88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.12 ug/l

RT: 7.59 min Scan# 1867

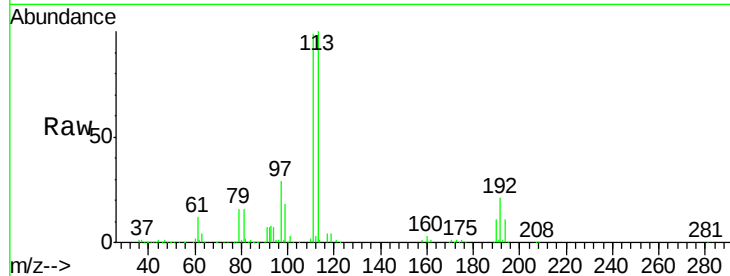
Delta R.T. 0.00 min

Lab File: VN049489.D

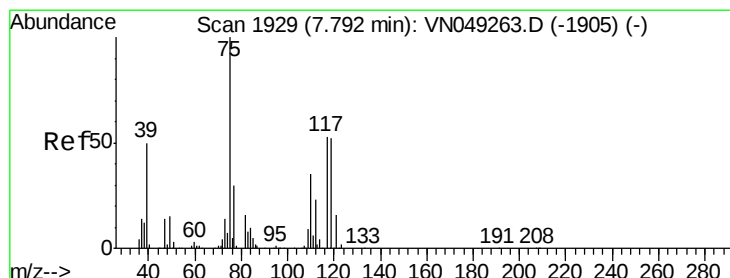
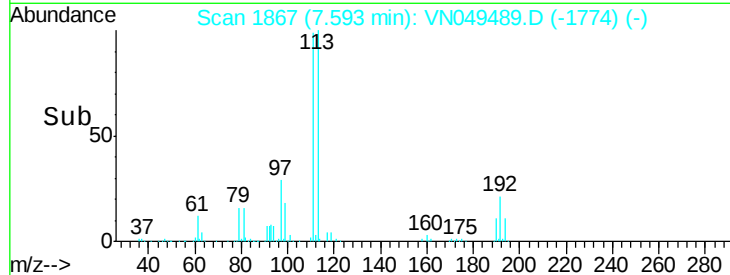
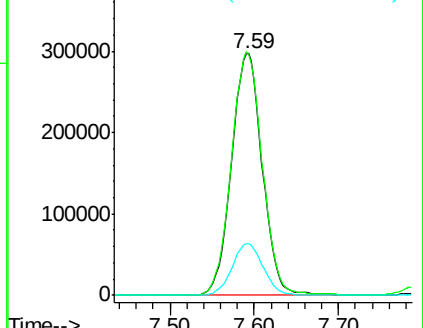
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113	Resp:	753801
Ion	Ratio	Lower Upper
113	100	
111	101.7	82.4 123.6
192	21.6	15.0 22.6



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



#36

1,1-Dichloropropene

Concen: 18.52 ug/l

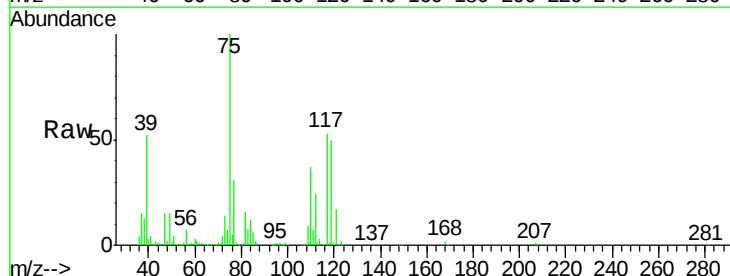
RT: 7.79 min Scan# 1929

Delta R.T. 0.00 min

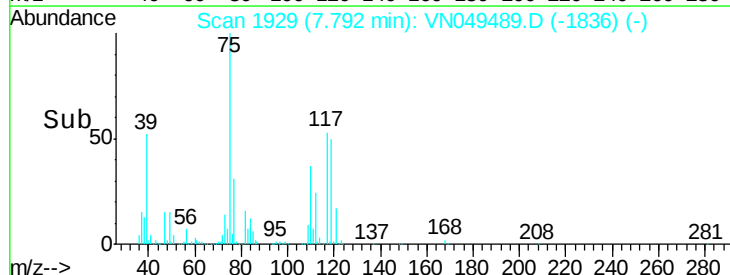
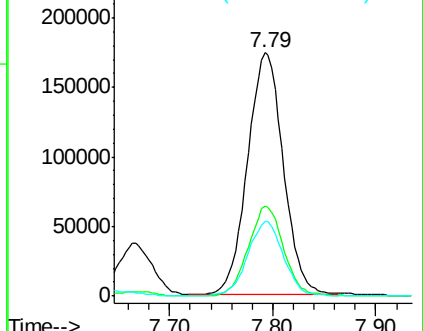
Lab File: VN049489.D

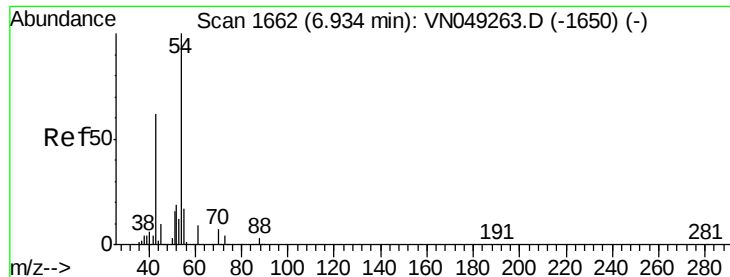
Acq: 22 Jun 2018 14:15

Tgt Ion: 75	Resp:	419611
Ion	Ratio	Lower Upper
75	100	
110	36.5	17.0 50.9
77	30.8	24.4 36.6



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

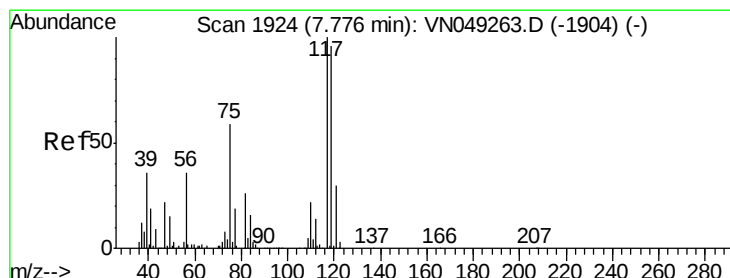
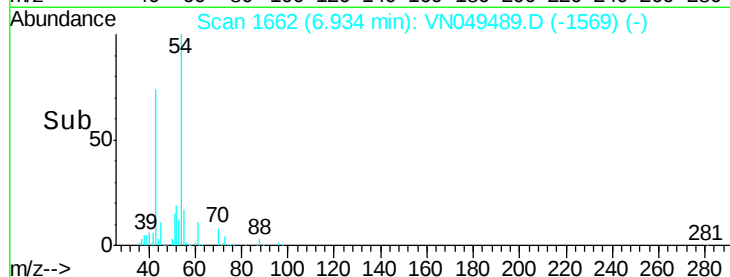
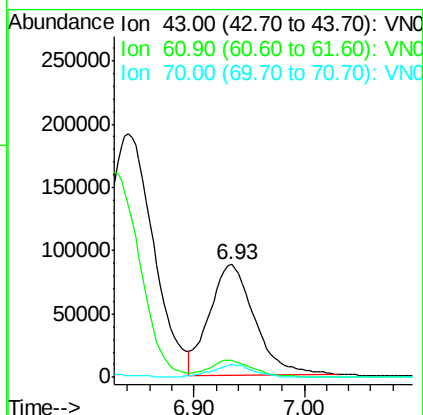
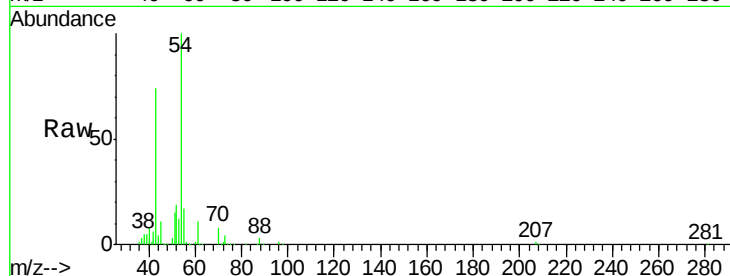




#37
Ethyl Acetate
Concen: 20.26 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

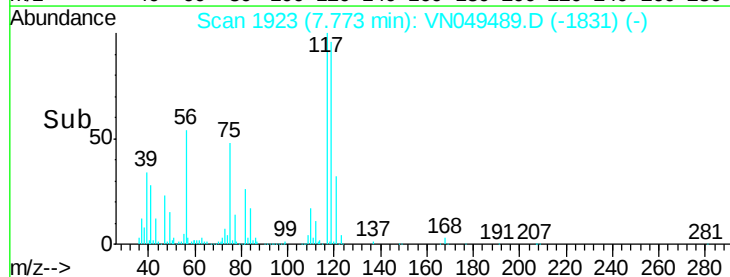
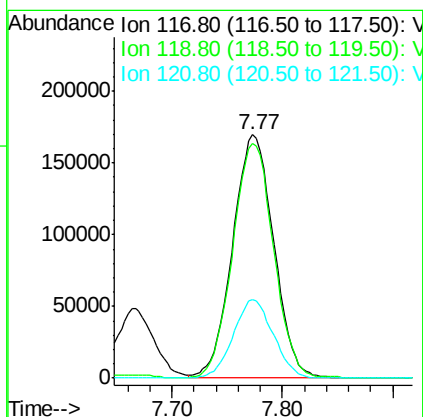
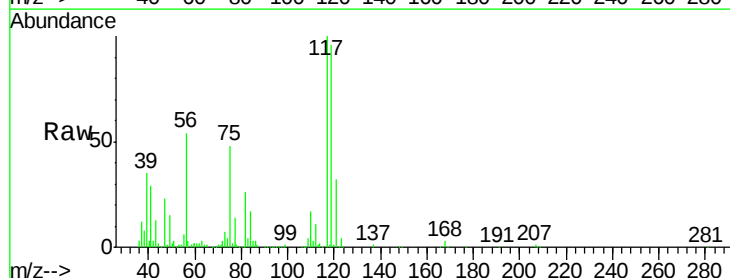
Instrument :
MSVOA_N
ClientSampled :

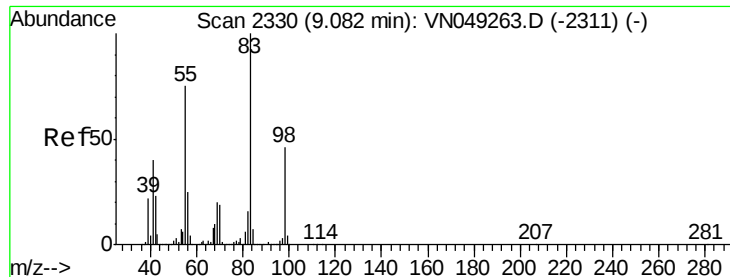
Tot Ion: 43 Resp: 249630
Ion Ratio Lower Upper
43 100
61 13.8 11.0 16.4
70 10.8 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 18.57 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 117 Resp: 435705
Ion Ratio Lower Upper
117 100
119 96.2 75.6 113.4
121 32.4 24.7 37.1

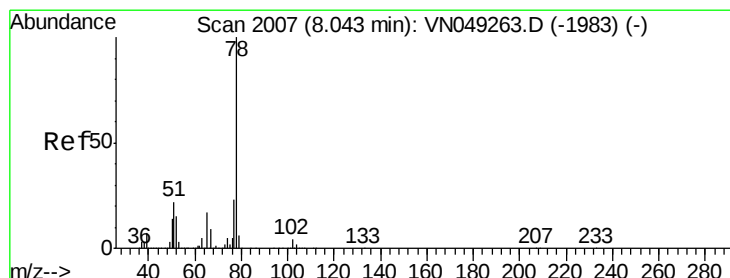
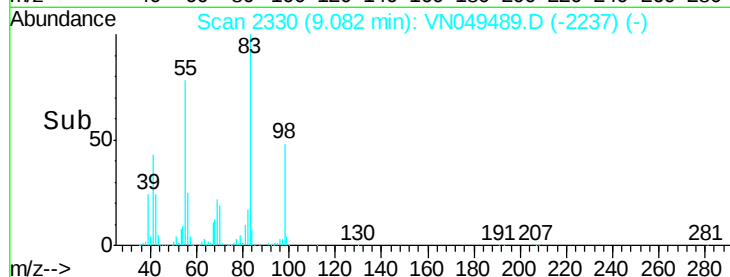
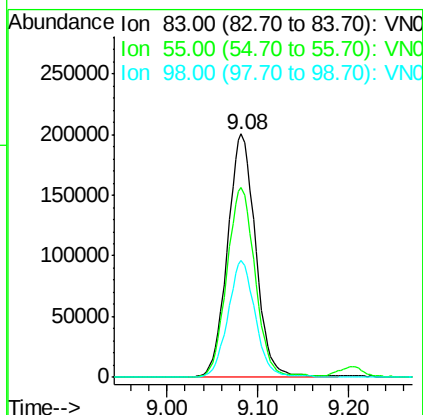
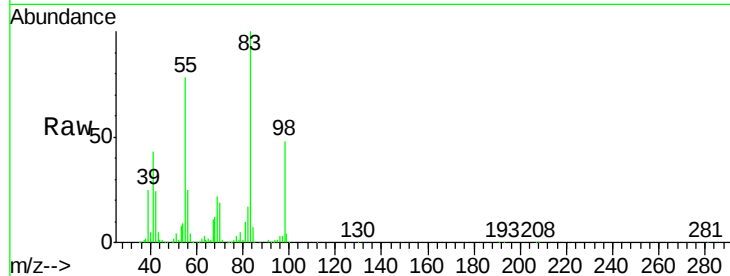




#39
Methvlcvclohexane
Concen: 17.67 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

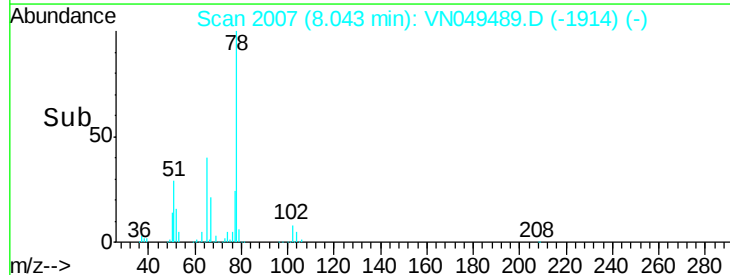
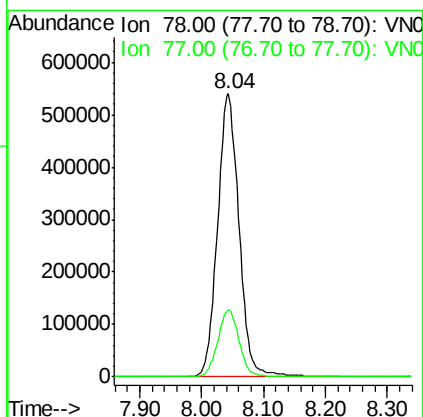
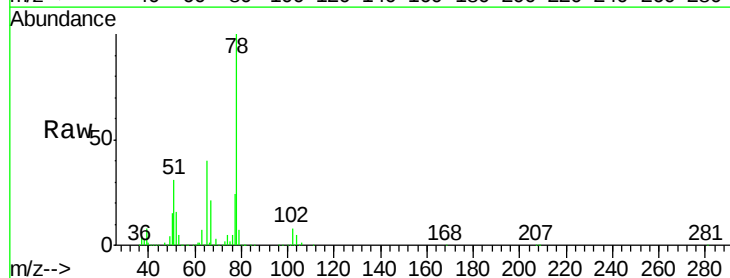
Instrument :
MSVOA_N
ClientSampled :

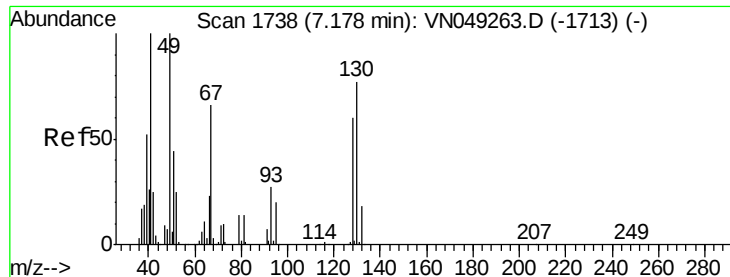
Tot Ion: 83 Resp: 429771
Ion Ratio Lower Upper
83 100
55 77.9 65.1 97.7
98 47.9 36.5 54.7



#40
Benzene
Concen: 18.72 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 78 Resp: 1300722
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0

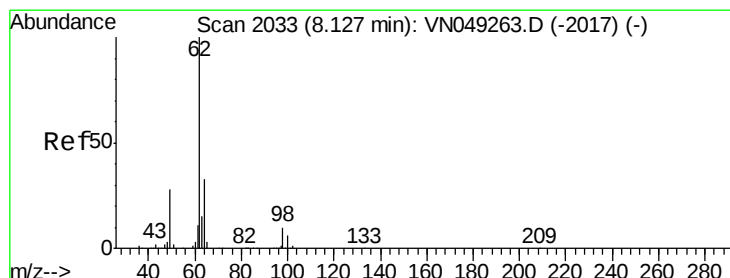
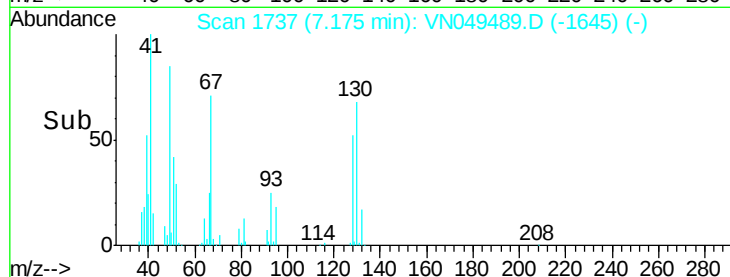
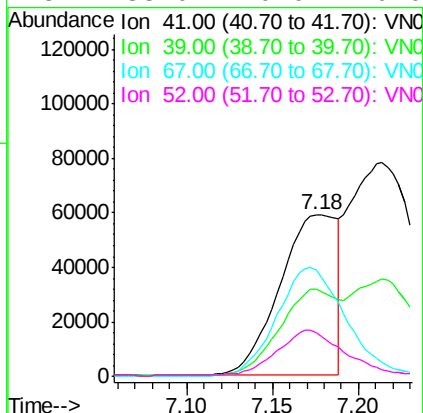
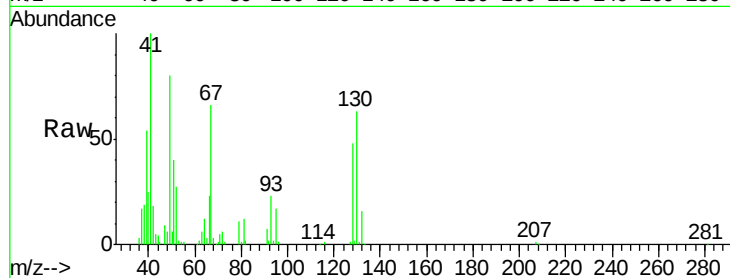




#41
Methacrylonitrile
Concen: 20.56 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

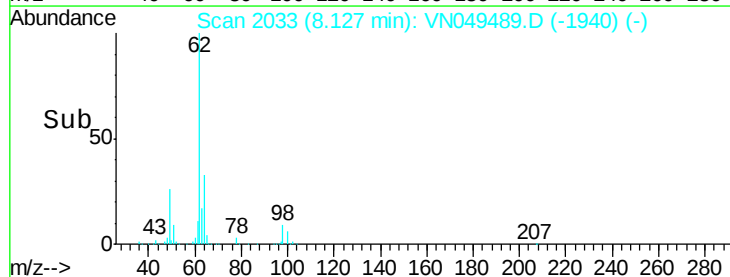
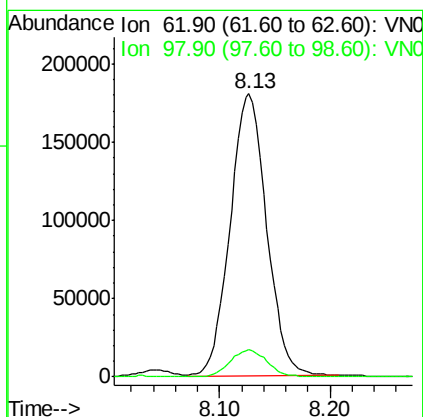
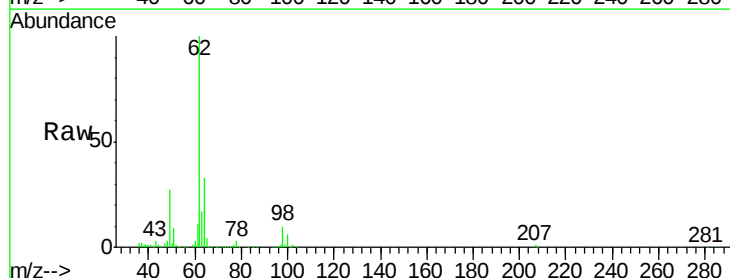
Instrument :
MSVOA_N
ClientSampleId :

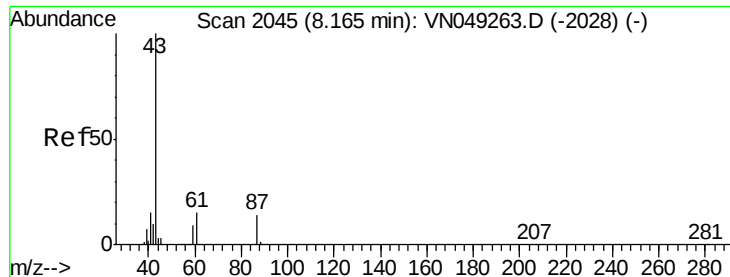
Tot Ion: 41 Resp: 136924
Ion Ratio Lower Upper
41 100
39 56.0 0.0 0.0#
67 82.5 0.0 0.0#
52 33.0 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.27 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 62 Resp: 413540
Ion Ratio Lower Upper
62 100
98 9.8 0.0 16.2





#43

Isopropyl Acetate

Concen: 19.17 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

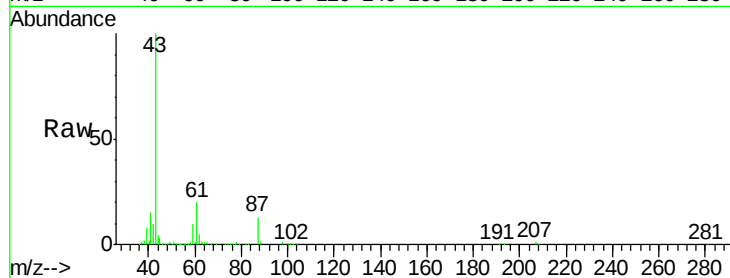
Tot Ion: 43 Resp: 451201

Ion Ratio Lower Upper

43 100

61 18.7 14.2 21.4

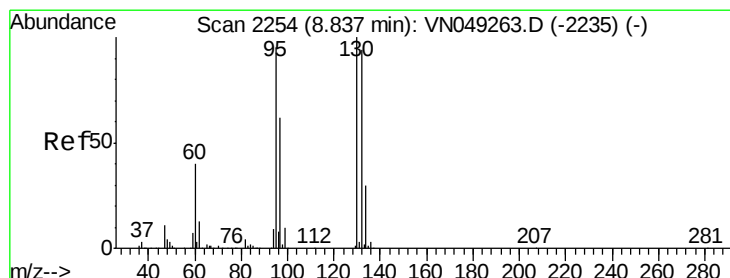
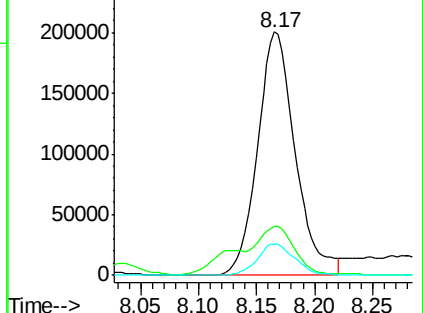
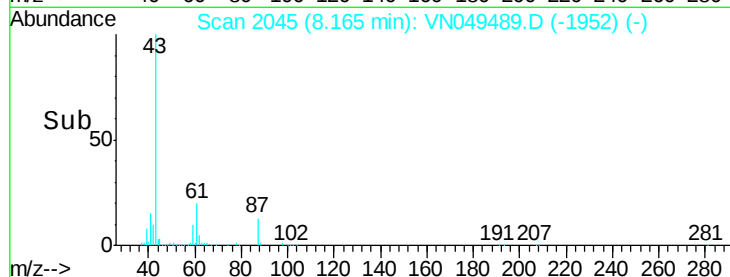
87 12.9 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049489.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049489.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049489.D (-1952) (-)



#44

Trichloroethene

Concen: 19.22 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049489.D

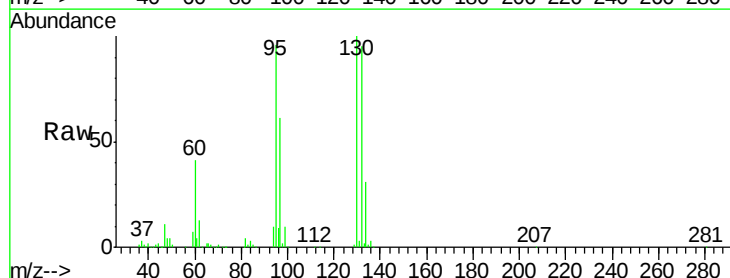
Acq: 22 Jun 2018 14:15

Tgt Ion: 130 Resp: 352711

Ion Ratio Lower Upper

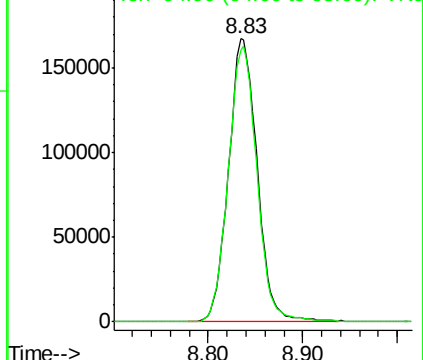
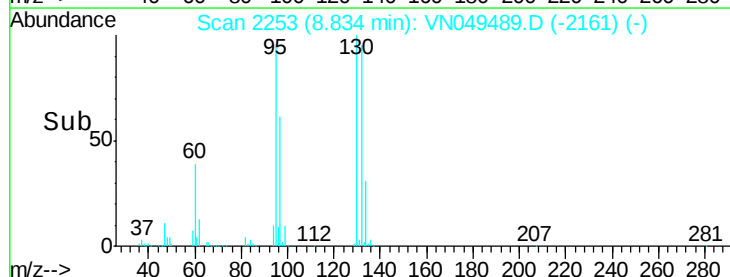
130 100

95 96.0 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049489.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049489.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 19.00 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

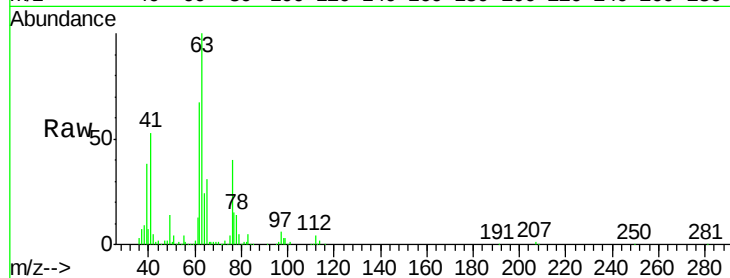
ClientSampleId :

Tot Ion: 63 Resp: 345611

Ion Ratio Lower Upper

63 100

65 30.8 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN049489.D (-2249) (-)

Ion 64.90 (64.60 to 65.60): VN049489.D (-2249) (-)

9.12

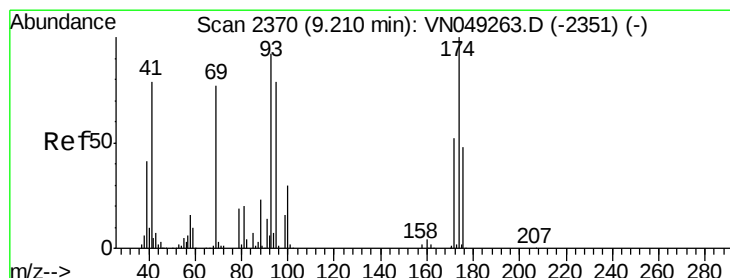
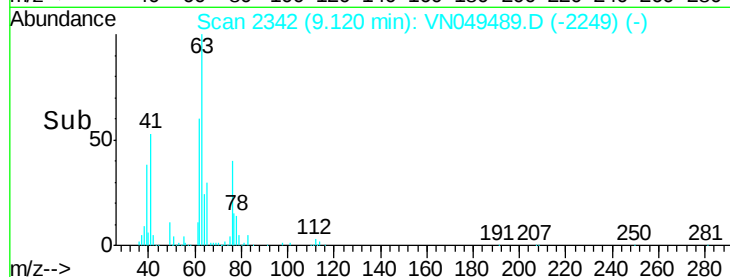
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 19.34 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

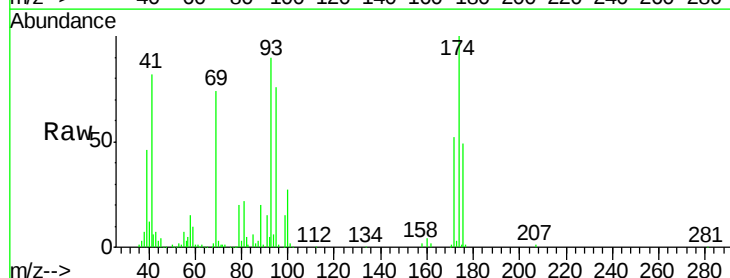
Tgt Ion: 93 Resp: 204028

Ion Ratio Lower Upper

93 100

95 83.1 67.2 100.8

174 108.4 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN049489.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN049489.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN049489.D (-2277) (-)

9.21

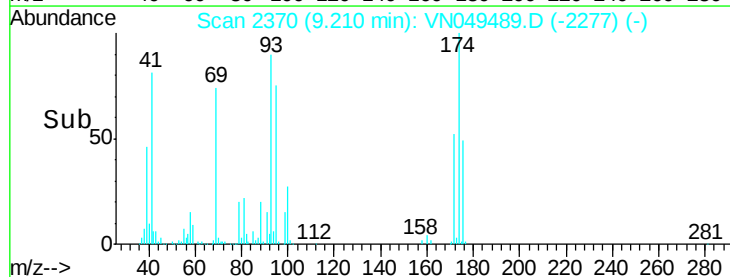
150000

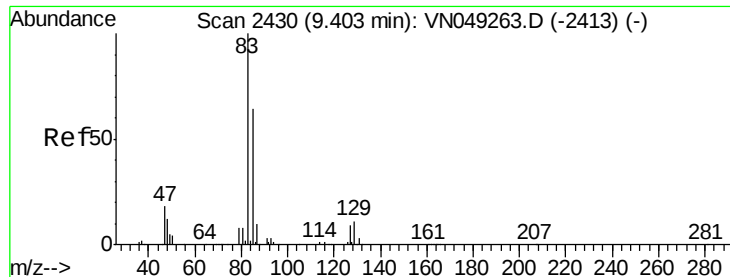
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 19.08 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampled :

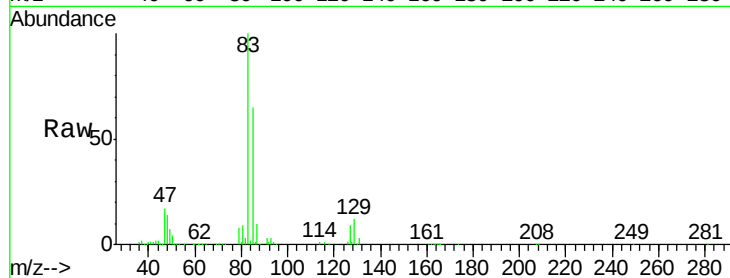
Tot Ion: 83 Resp: 442197

Ion Ratio Lower Upper

83 100

85 64.8 49.4 74.0

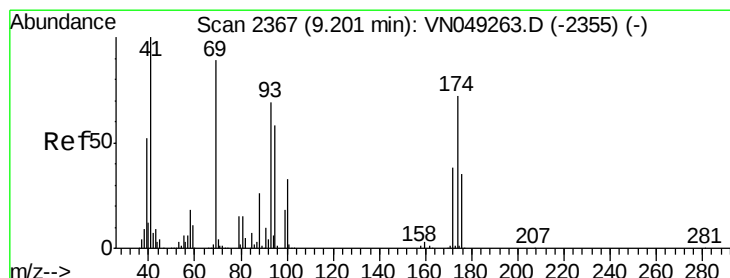
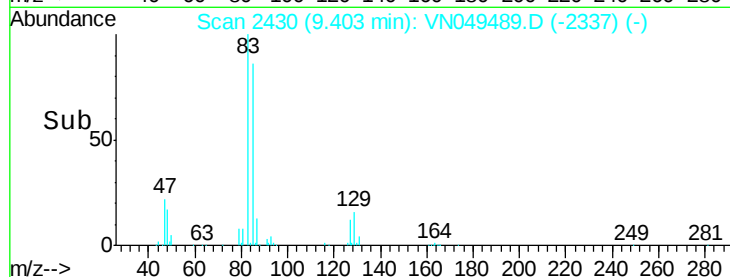
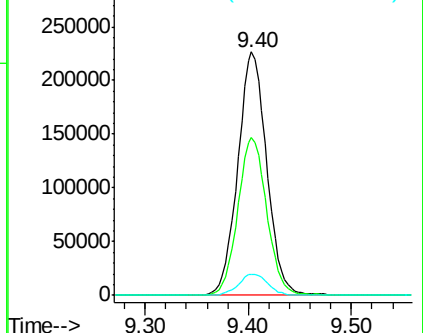
127 8.8 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049489.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049489.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049489.D (-2337) (-)



#48

Methyl methacrylate

Concen: 19.53 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

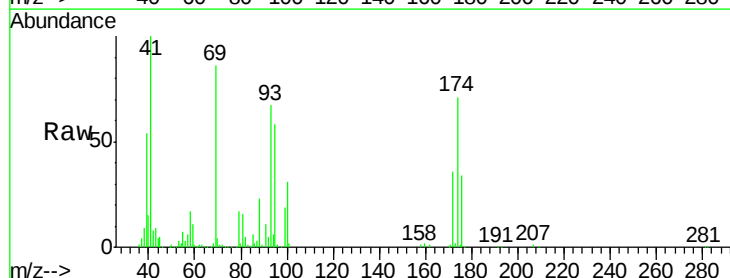
Tgt Ion: 41 Resp: 216535

Ion Ratio Lower Upper

41 100

69 88.8 62.0 93.0

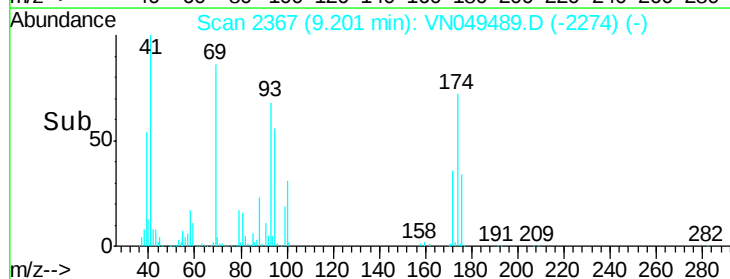
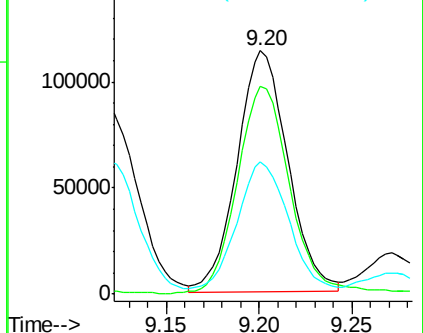
39 56.2 50.6 75.8

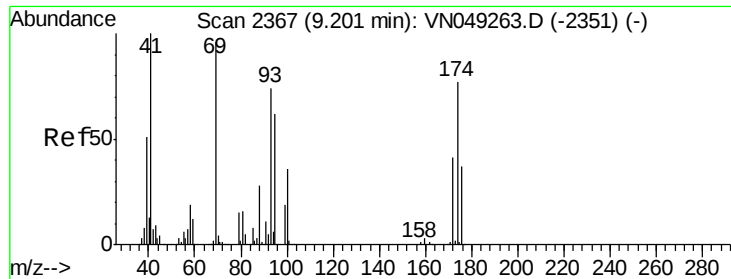


Abundance Ion 41.00 (40.70 to 41.70): VN049489.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049489.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049489.D (-2274) (-)

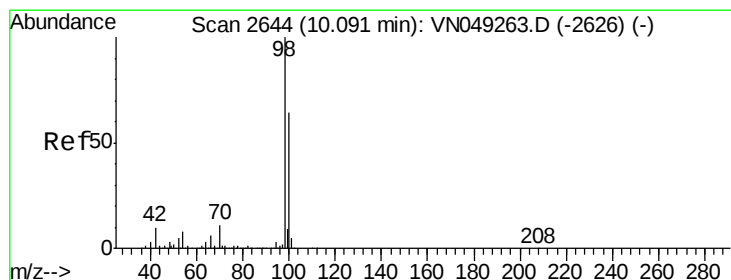
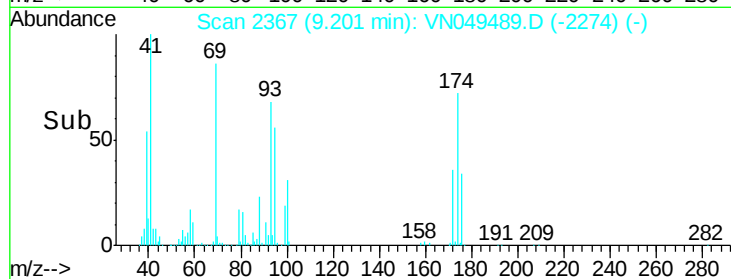
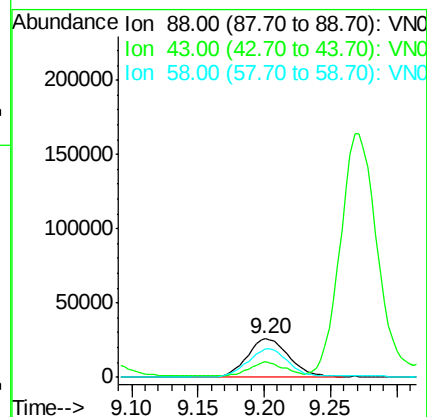
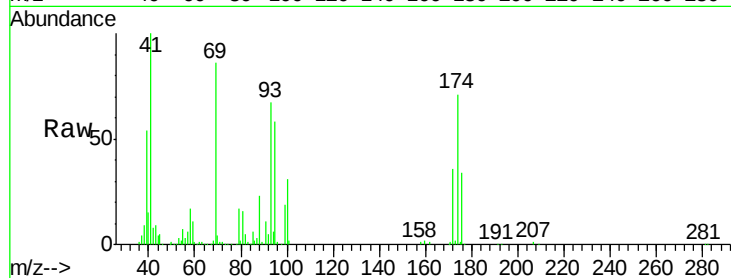




#49
1,4-Dioxane
Concen: 374.88 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

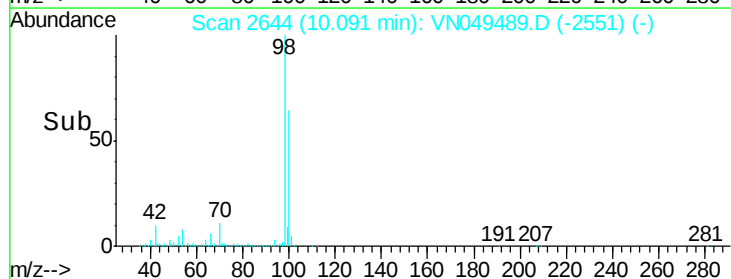
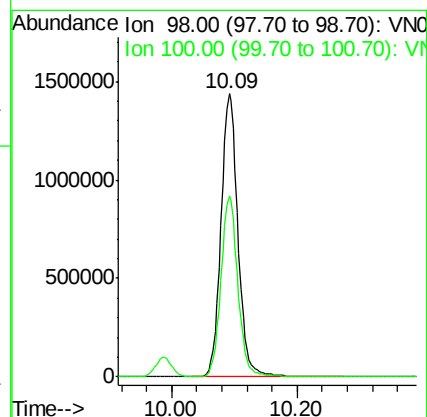
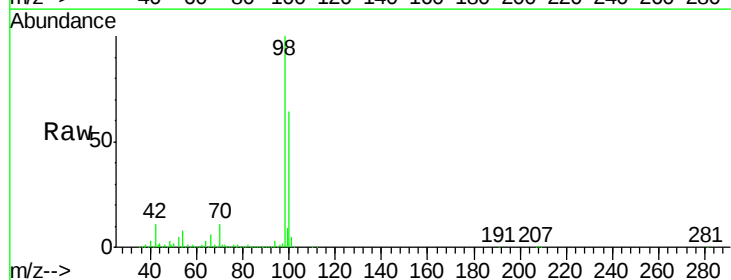
Instrument :
MSVOA_N
ClientSampleId :

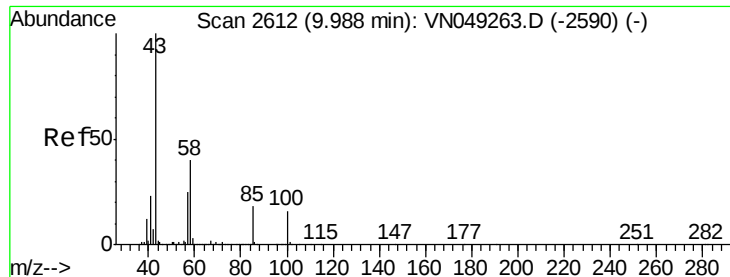
Tot Ion: 88 Resp: 57351
Ion Ratio Lower Upper
88 100
43 31.3 30.9 46.3
58 71.4 58.9 88.3



#50
Toluene-d8
Concen: 44.29 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 98 Resp: 2697766
Ion Ratio Lower Upper
98 100
100 63.8 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 98.14 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

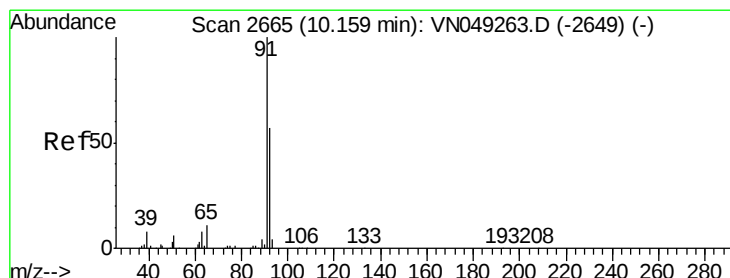
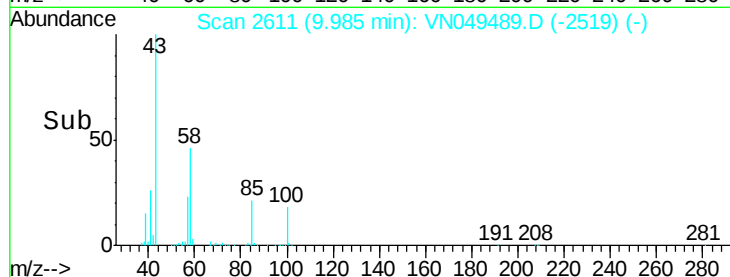
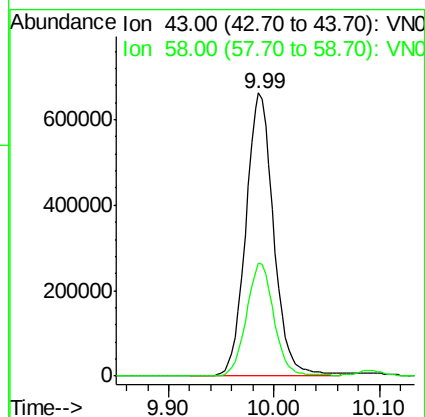
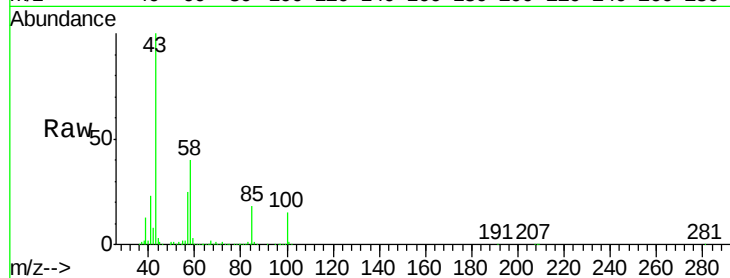
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1210773

Ion Ratio Lower Upper

43 100

58 39.6 29.0 43.6



#52

Toluene

Concen: 19.44 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049489.D

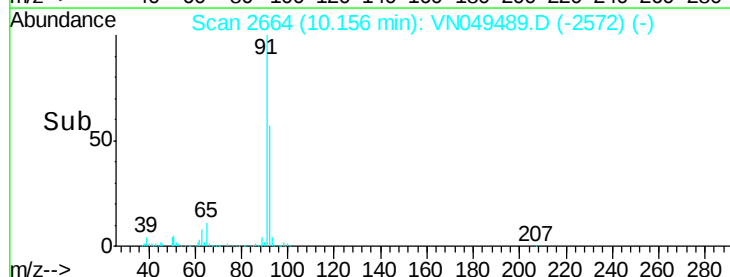
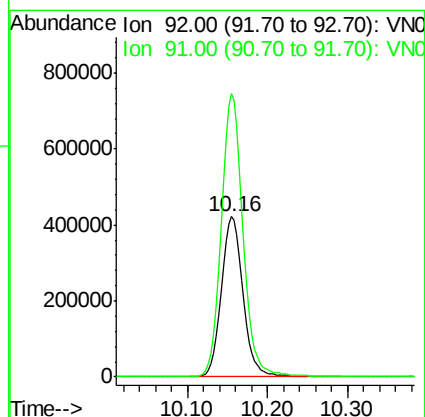
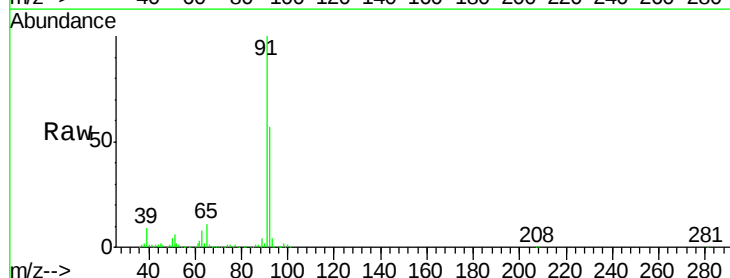
Acq: 22 Jun 2018 14:15

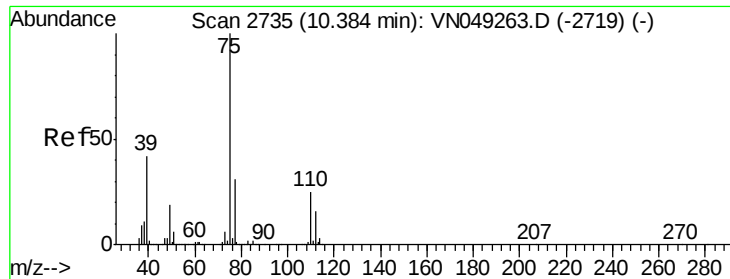
Tgt Ion: 92 Resp: 792826

Ion Ratio Lower Upper

92 100

91 176.6 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 18.27 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

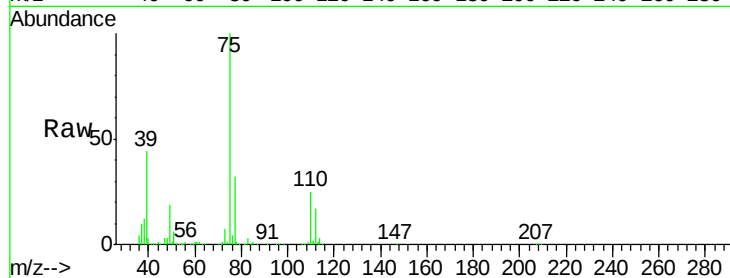
ClientSampled :

Tot Ion: 75 Resp: 405213

Ion Ratio Lower Upper

75 100

77 31.5 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

200000

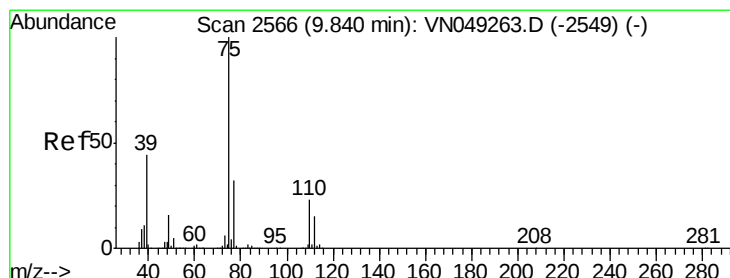
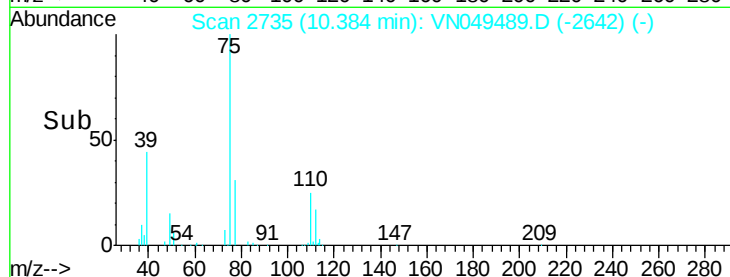
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.44 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

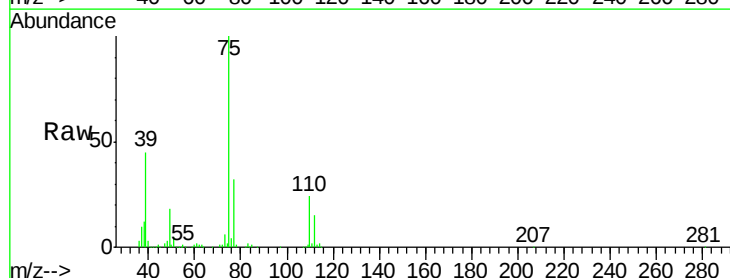
Tgt Ion: 75 Resp: 482837

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

39 44.4 45.1 67.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

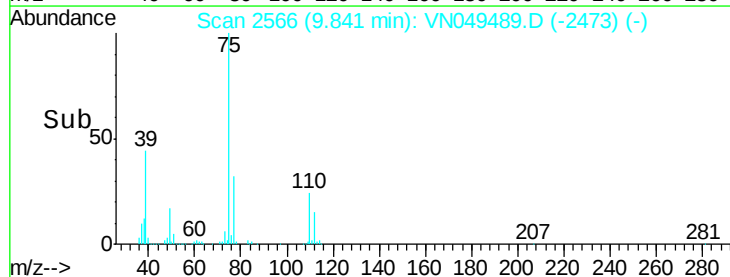
300000

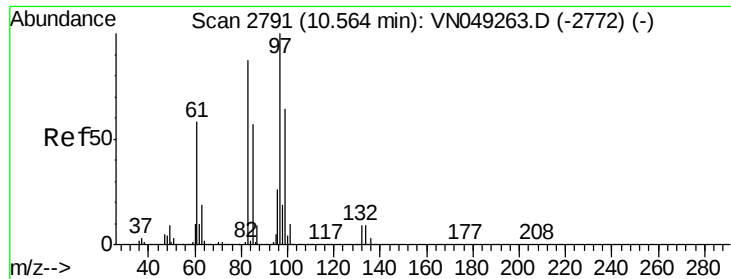
200000

100000

0

Time-->

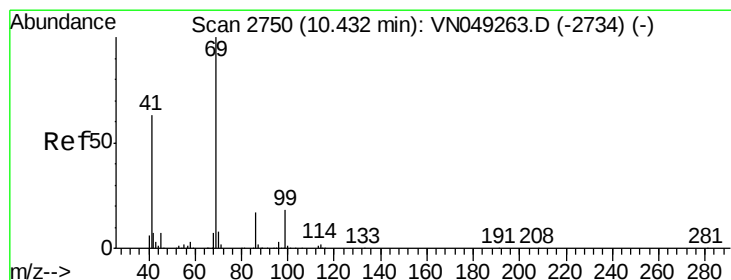
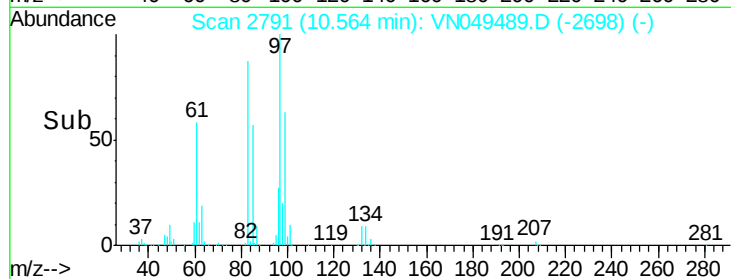
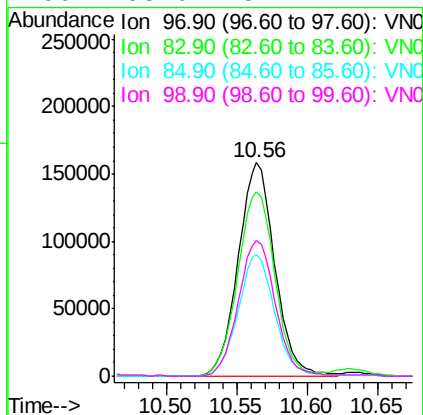
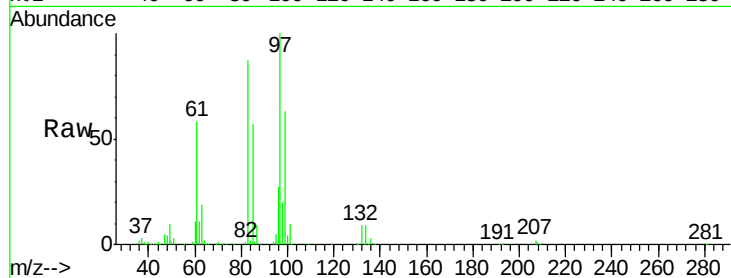




#55
 1,1,2-Trichloroethane
 Concen: 18.99 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

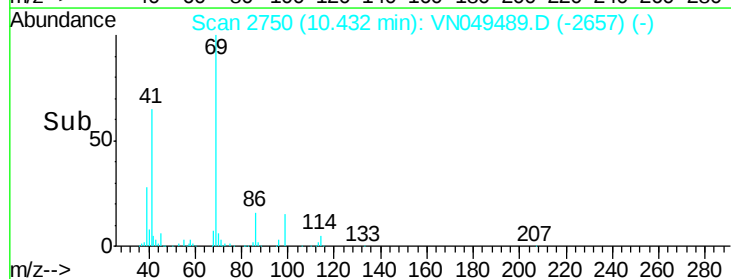
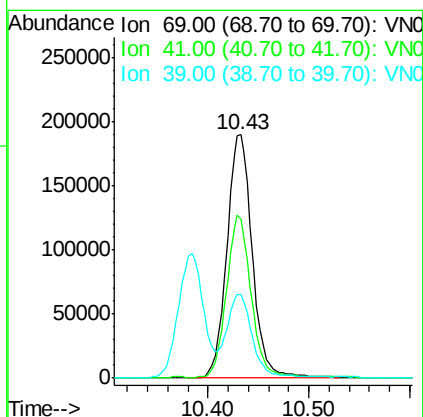
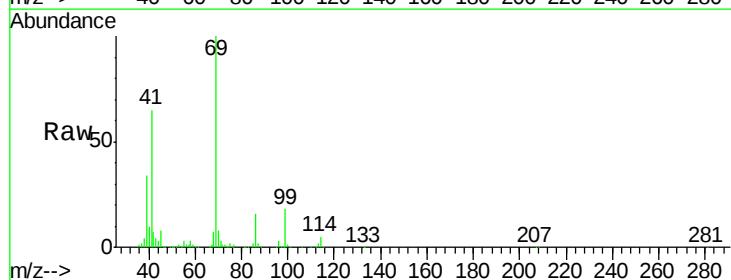
Instrument :
 MSVOA_N
 ClientSampled :

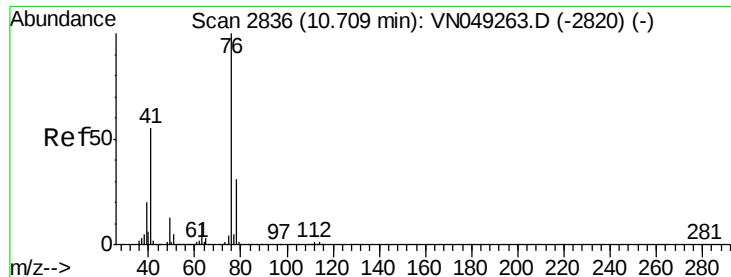
Tot Ion:	97	Resp:	288639
Ion	Ratio	Lower	Upper
97	100		
83	86.6	71.5	107.3
85	57.1	47.0	70.4
99	63.0	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 19.03 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion:	69	Resp:	333771
Ion	Ratio	Lower	Upper
69	100		
41	64.1	58.4	87.6
39	33.7	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 19.18 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

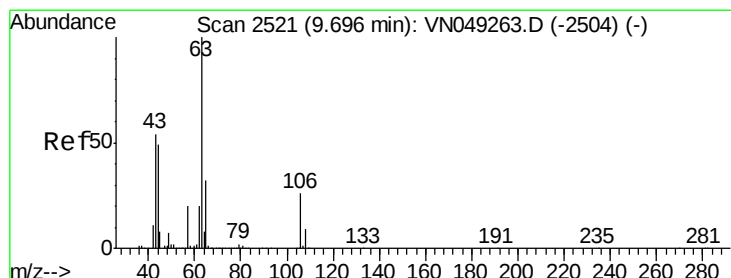
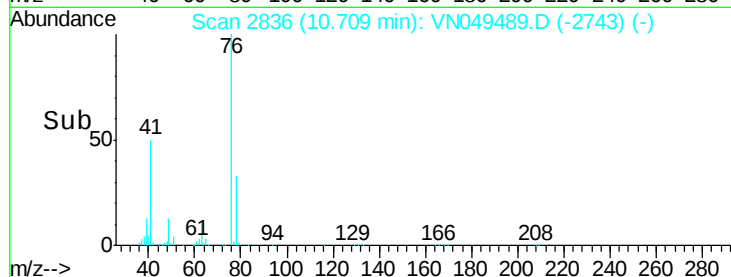
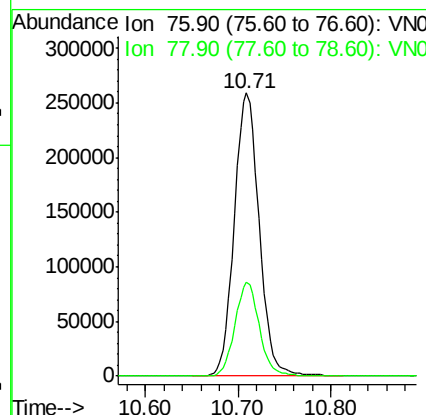
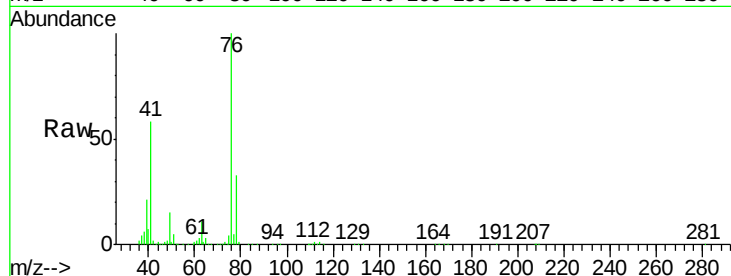
ClientSampleId :

Tot Ion: 76 Resp: 482985

Ion Ratio Lower Upper

76 100

78 32.6 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 65.63 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049489.D

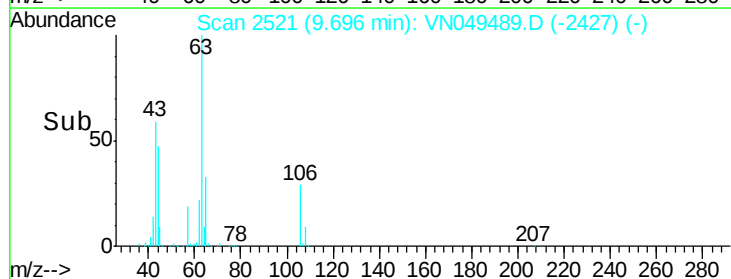
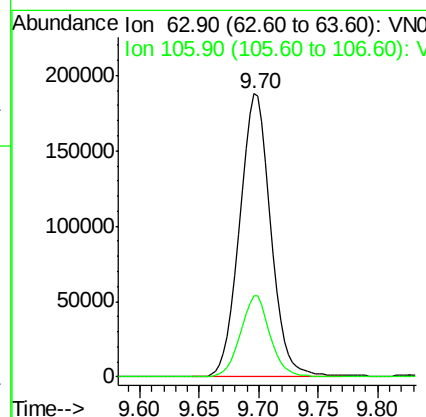
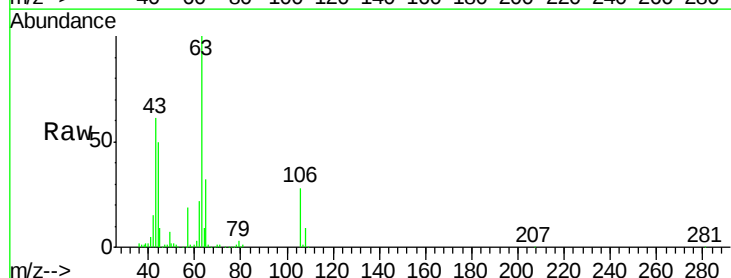
Acq: 22 Jun 2018 14:15

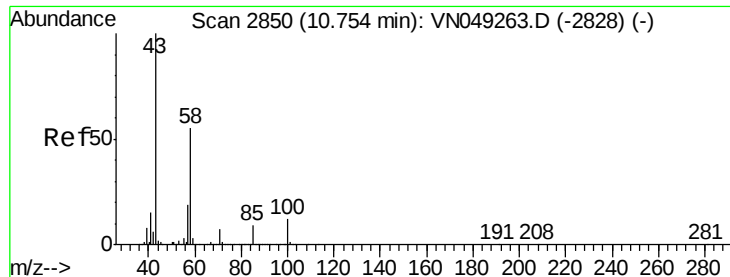
Tgt Ion: 63 Resp: 341186

Ion Ratio Lower Upper

63 100

106 27.4 19.4 29.2

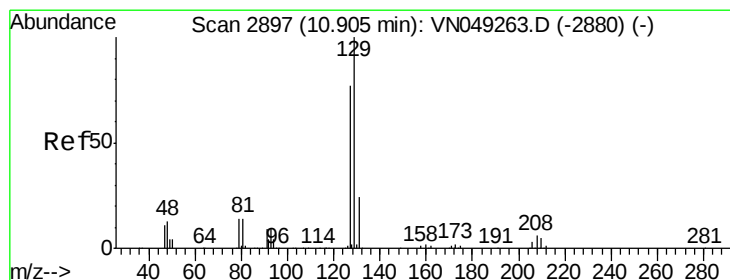
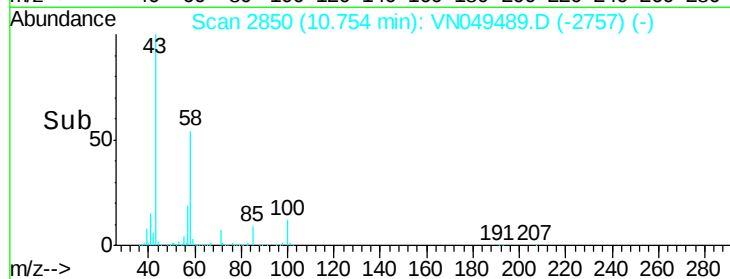
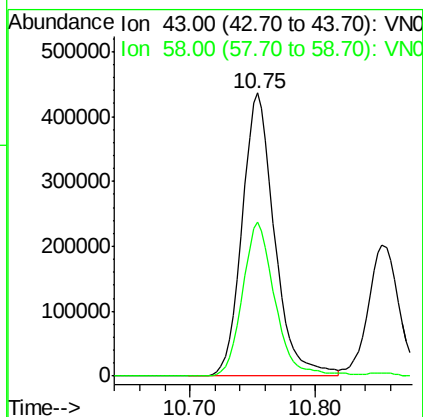
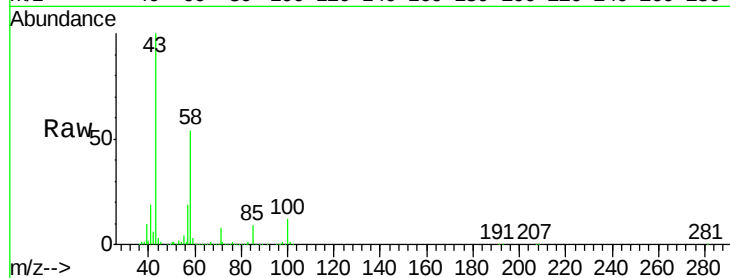




#59
2-Hexanone
Concen: 97.98 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

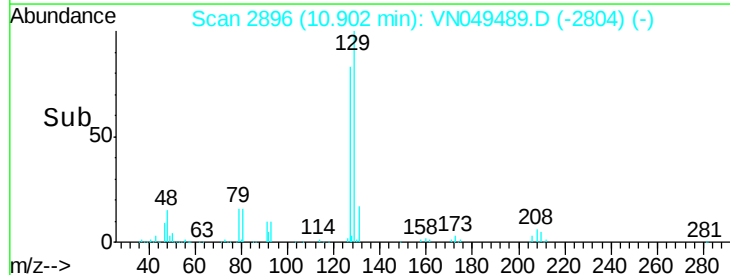
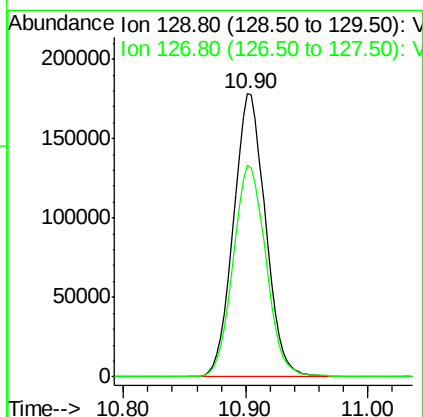
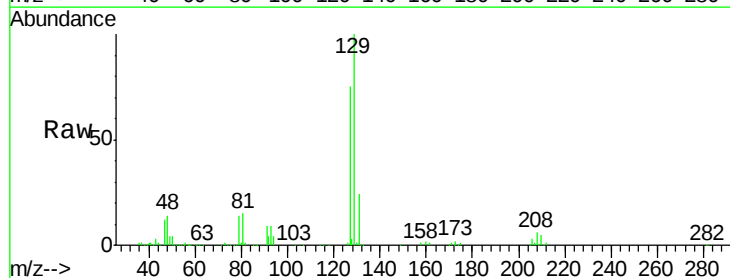
Instrument :
MSVOA_N
ClientSampled :

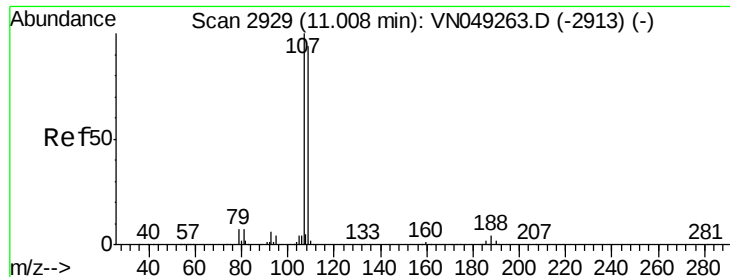
Tot Ion: 43 Resp: 779265
Ion Ratio Lower Upper
43 100
58 54.6 25.2 75.6



#60
Dibromochloromethane
Concen: 19.13 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 129 Resp: 324556
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2

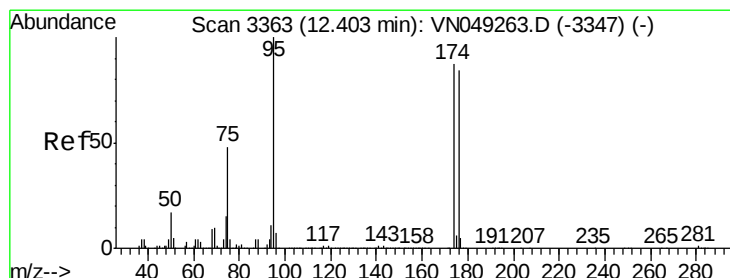
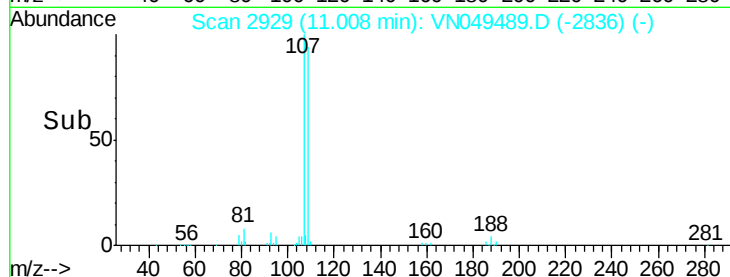
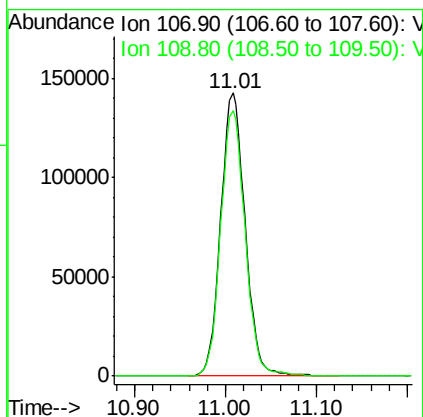
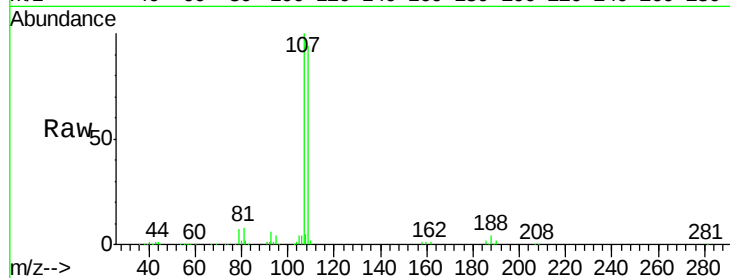




#61
 1,2-Dibromoethane
 Concen: 18.85 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

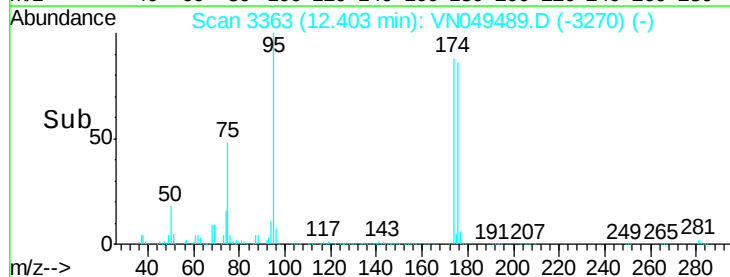
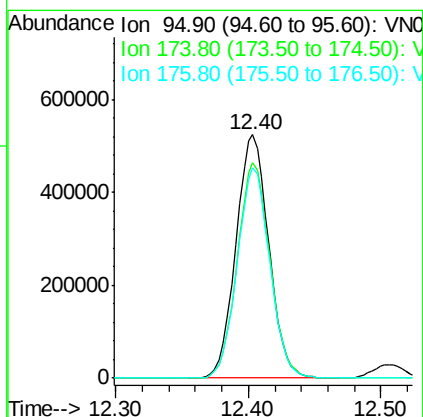
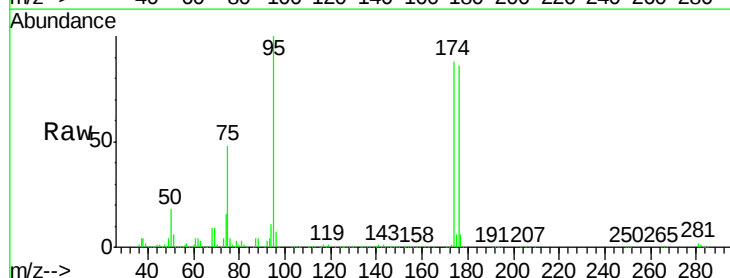
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 266406
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 44.63 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion: 95 Resp: 898925
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 165.6
 176 85.6 0.0 157.4

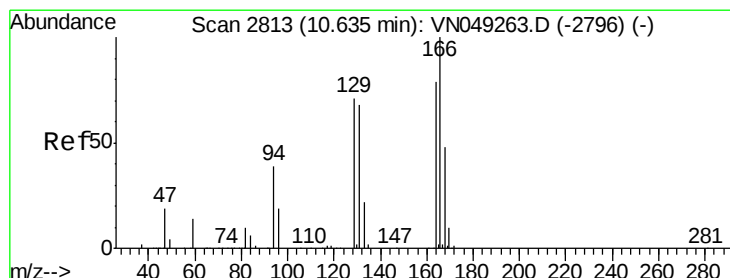
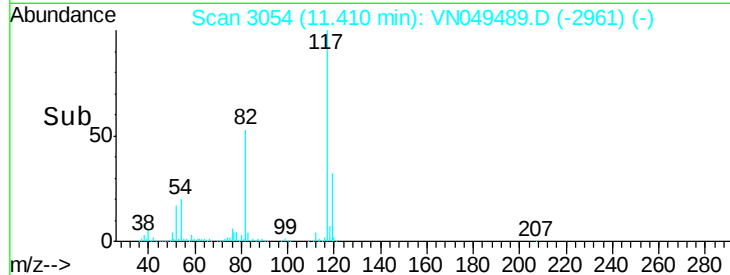
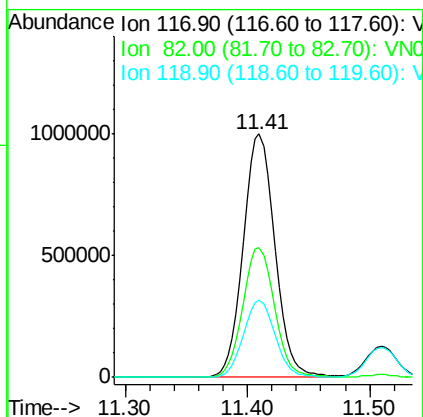
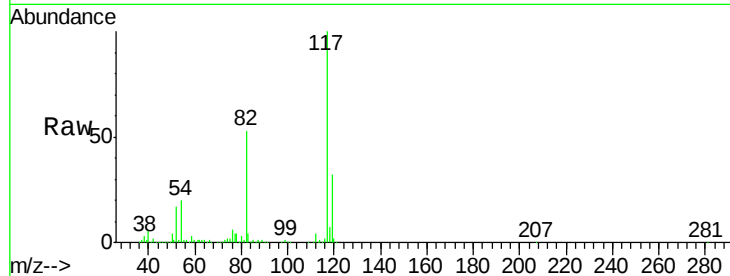




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

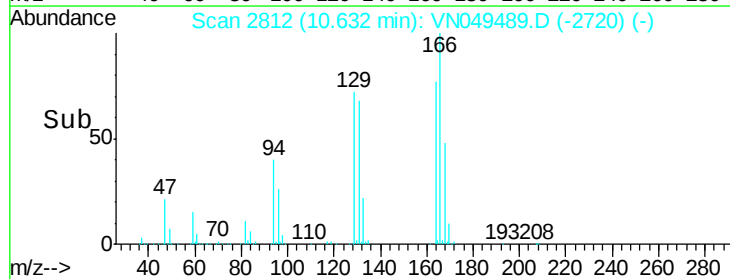
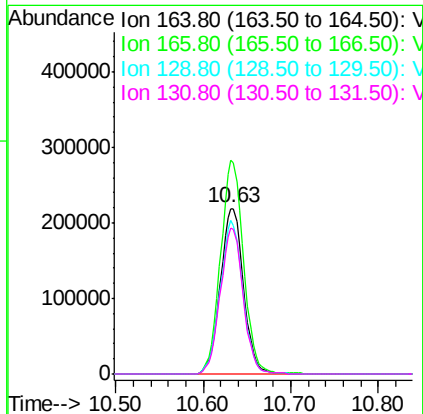
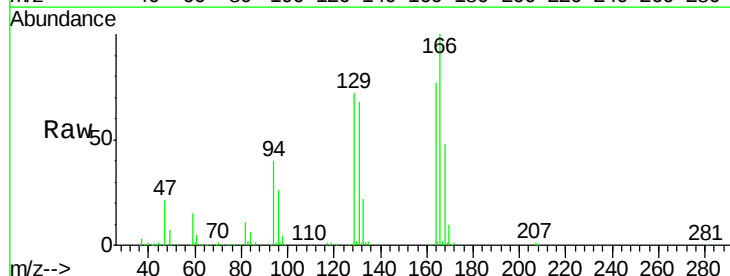
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1785659
Ion Ratio Lower Upper
117 100
82 53.4 45.9 68.9
119 31.6 25.5 38.3



#64
Tetrachloroethene
Concen: 21.95 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion:164 Resp: 401717
Ion Ratio Lower Upper
164 100
166 129.3 101.4 152.2
129 92.6 74.1 111.1
131 88.4 73.7 110.5





#65

Chlorobenzene

Concen: 18.41 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

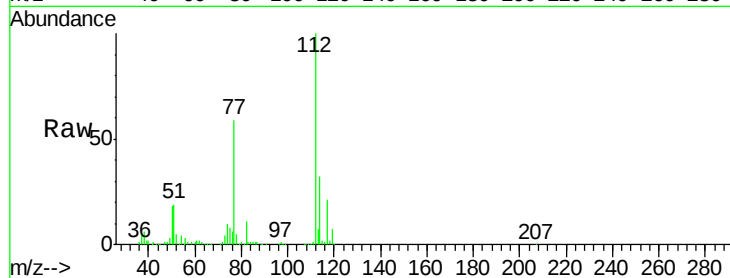
ClientSampled :

Tot Ion:112 Resp: 846921

Ion Ratio Lower Upper

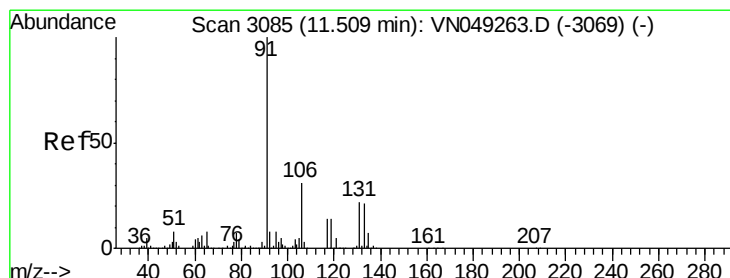
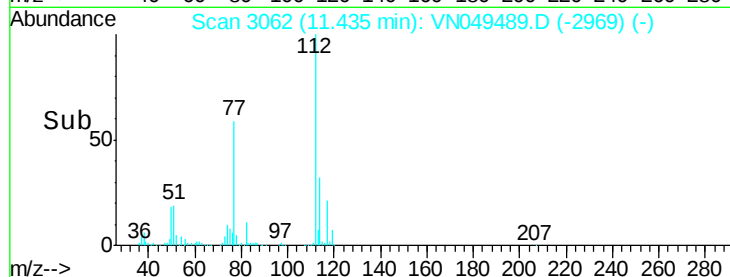
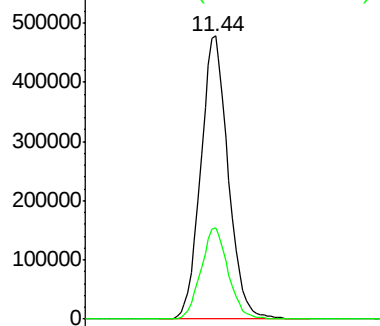
112 100

114 32.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.82 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

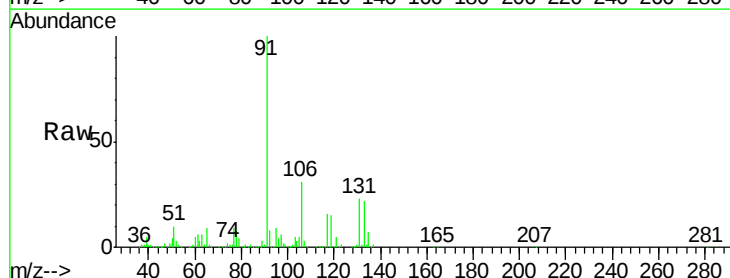
Tgt Ion:131 Resp: 325775

Ion Ratio Lower Upper

131 100

133 95.7 48.0 144.2

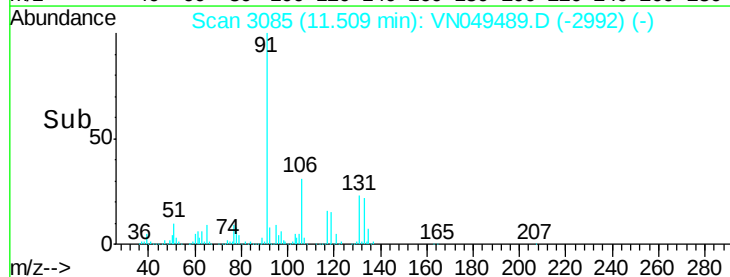
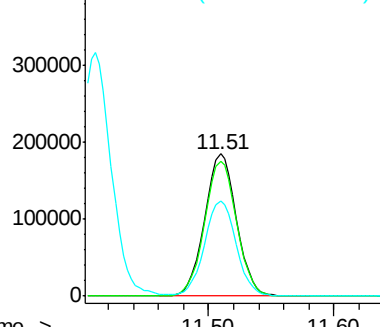
119 66.8 33.6 100.8

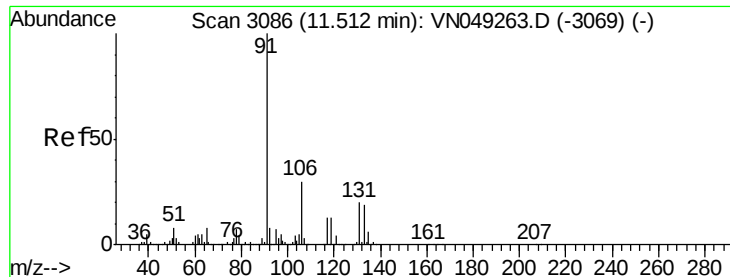


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

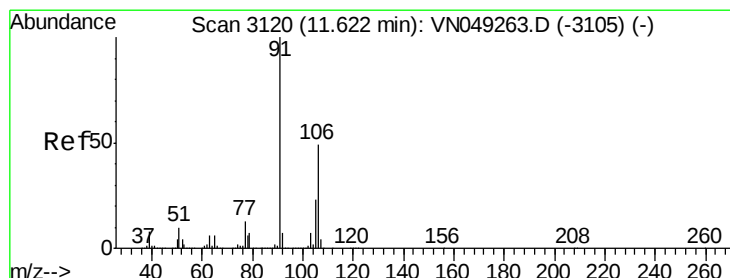
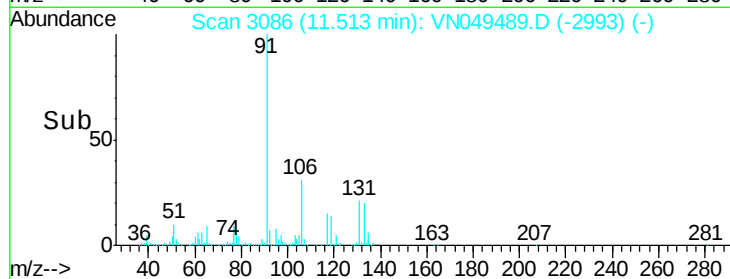
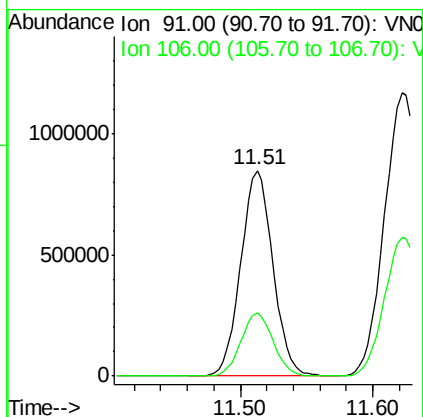
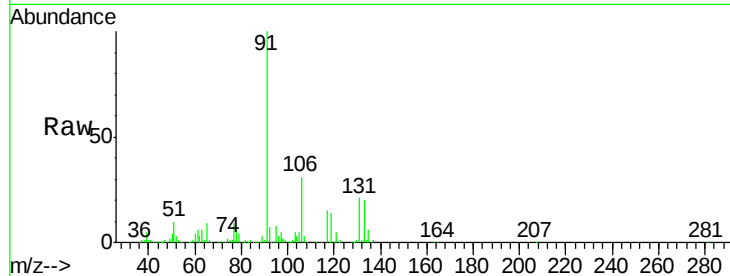




#67
Ethyl Benzene
Concen: 18.68 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

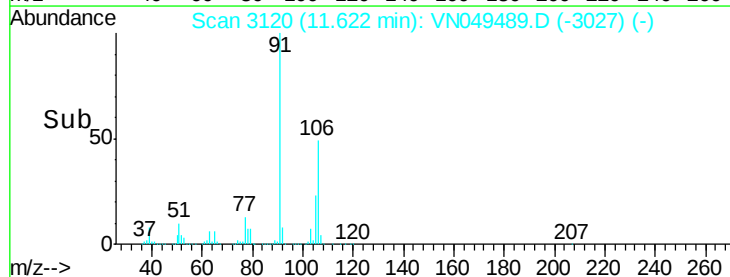
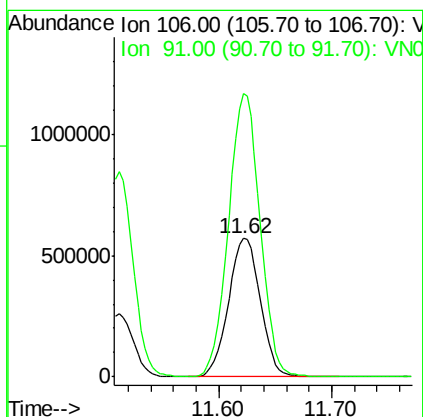
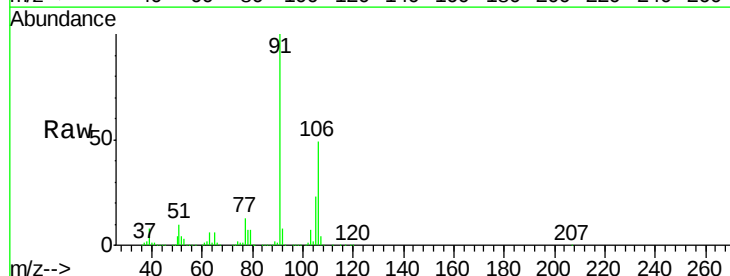
Instrument :
MSVOA_N
ClientSampleId :

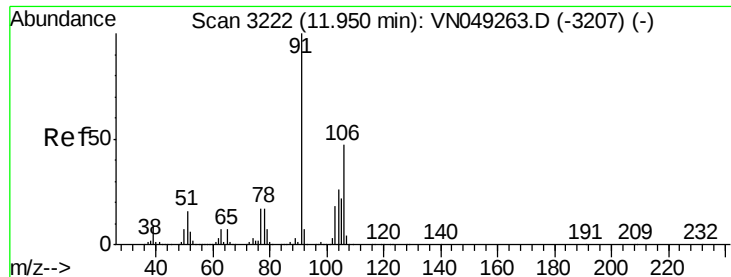
Tot Ion: 91 Resp: 1425047
Ion Ratio Lower Upper
91 100
106 30.6 23.9 35.9



#68
m/p-Xylenes
Concen: 38.97 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 106 Resp: 1116030
Ion Ratio Lower Upper
106 100
91 202.1 167.3 250.9





#69

o-Xylene

Concen: 19.10 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

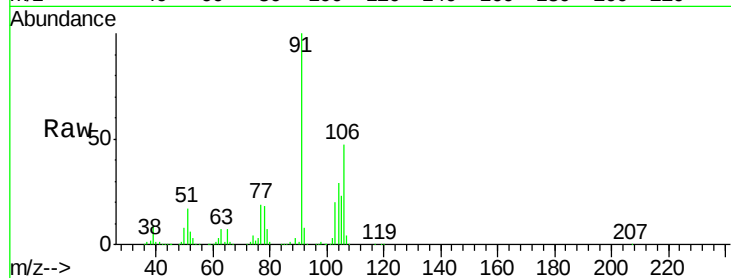
ClientSampled :

Tot Ion:106 Resp: 526678

Ion Ratio Lower Upper

106 100

91 214.3 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

400000

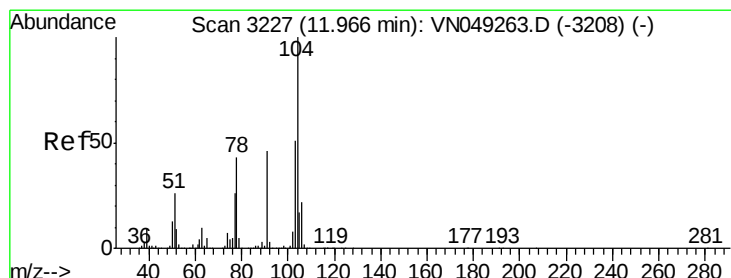
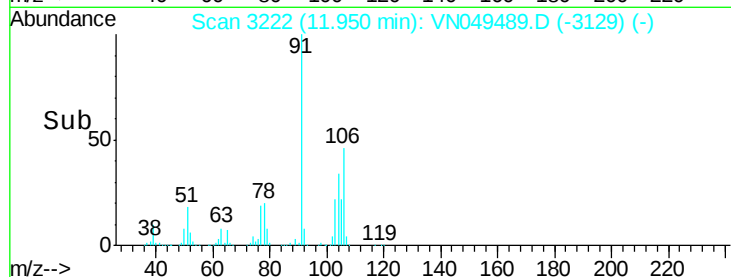
200000

0

11.95

Time-->

11.90 12.00



#70

Styrene

Concen: 19.13 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

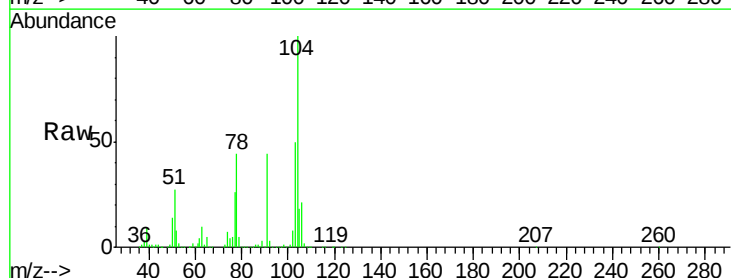
Tgt Ion:104 Resp: 832583

Ion Ratio Lower Upper

104 100

78 49.7 41.6 62.4

103 56.6 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

600000

500000

400000

300000

200000

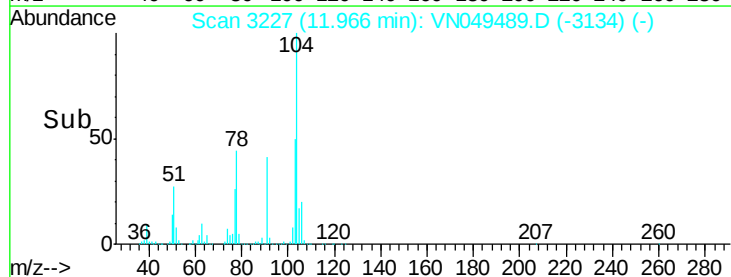
100000

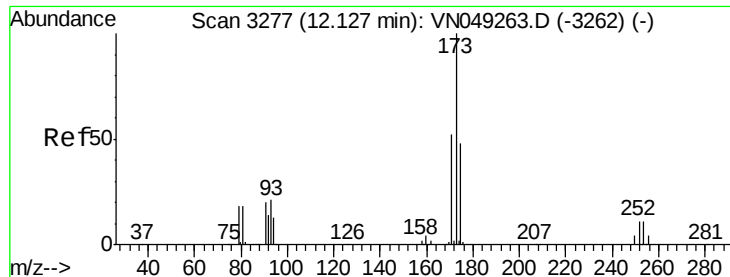
0

11.97

Time-->

11.90 12.00





#71

Bromoform

Concen: 19.31 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

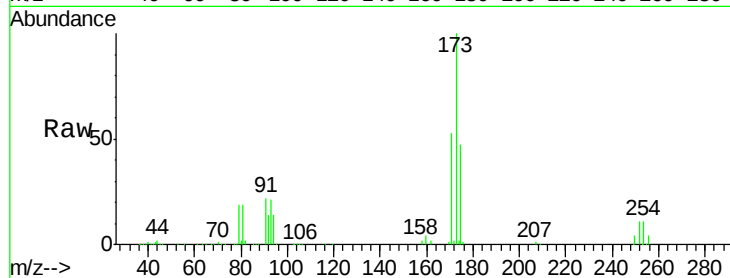
Tot Ion:173 Resp: 216372

Ion Ratio Lower Upper

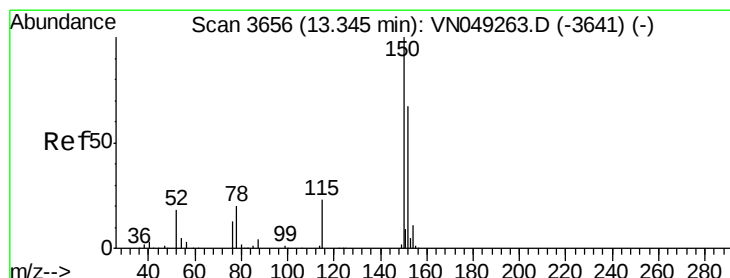
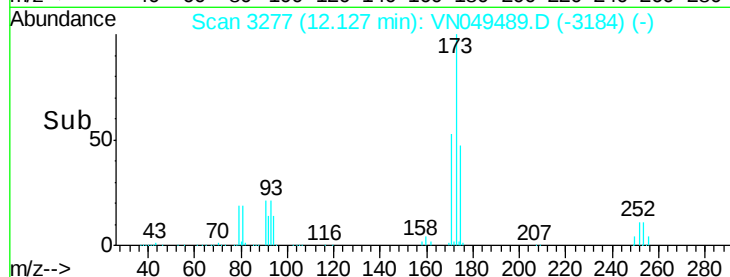
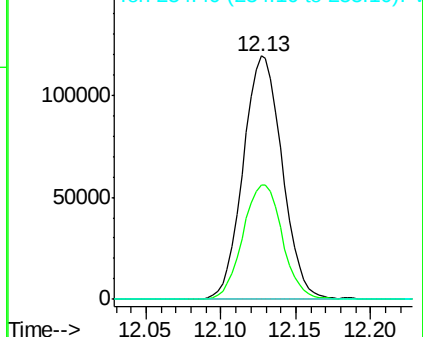
173 100

175 47.6 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: VN049489.D

Acq: 22 Jun 2018 14:15

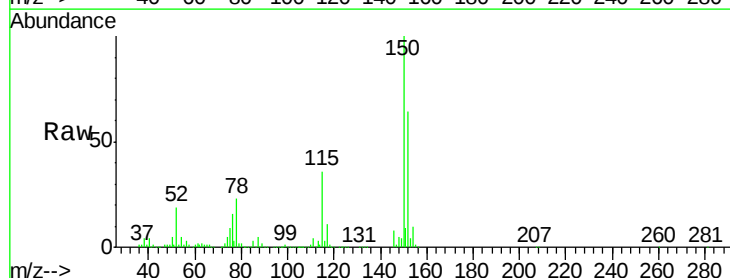
Tgt Ion:152 Resp: 836813

Ion Ratio Lower Upper

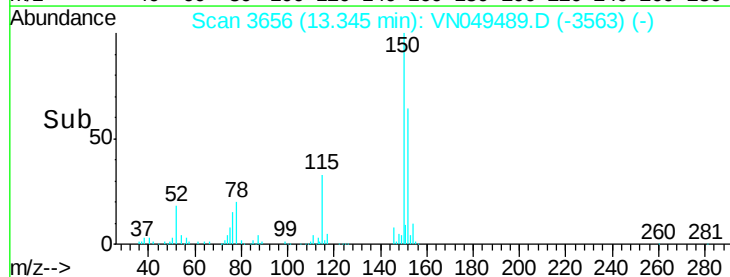
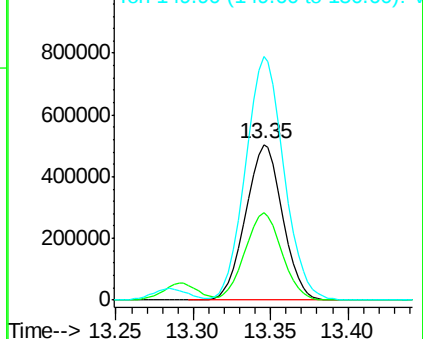
152 100

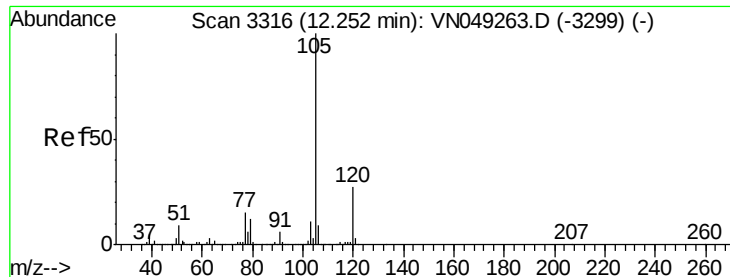
115 56.2 28.7 86.1

150 163.2 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: 18.99 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

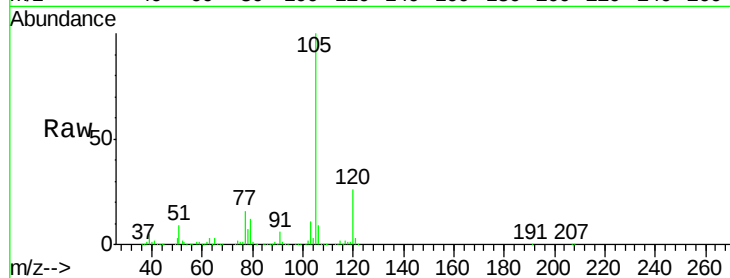
ClientSampleId :

Tot Ion:105 Resp: 1395018

Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

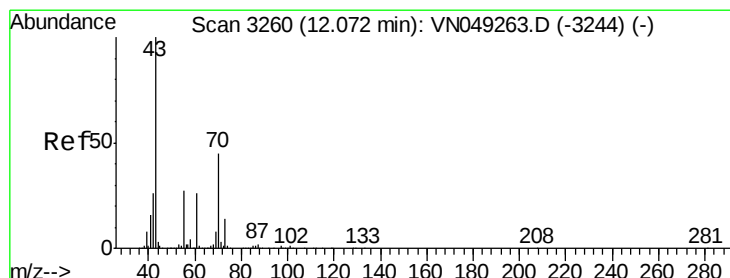
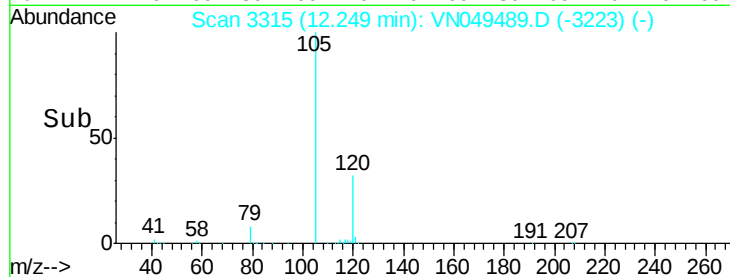
600000

400000

200000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 17.90 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Tgt Ion: 43 Resp: 322045

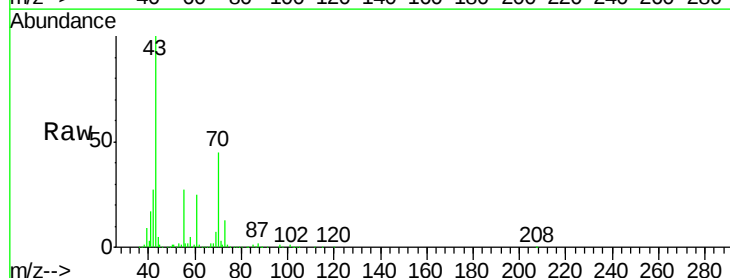
Ion Ratio Lower Upper

43 100

70 44.2 30.3 45.5

55 27.2 19.4 29.2

61 24.5 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

250000

200000

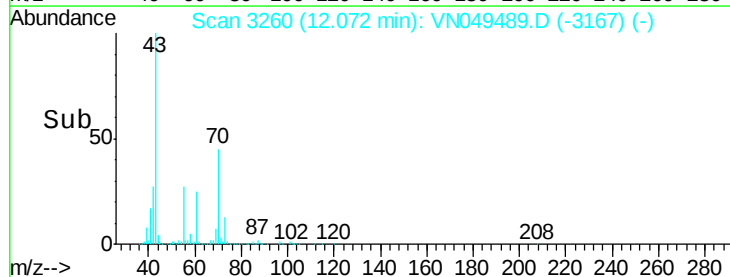
150000

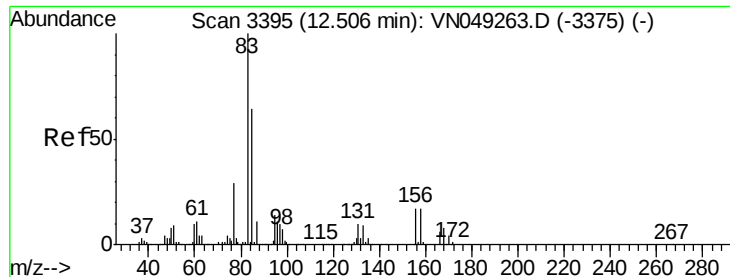
100000

50000

0

Time--> 12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 18.91 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampled :

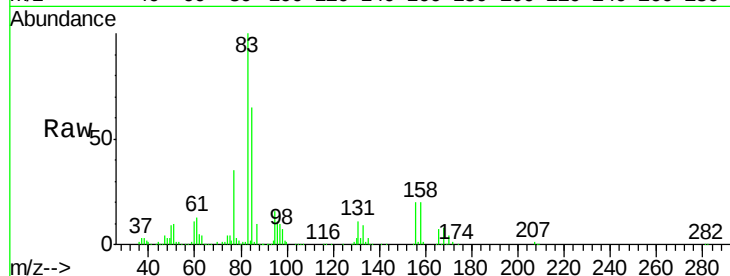
Tot Ion: 83 Resp: 306898

Ion Ratio Lower Upper

83 100

131 10.7 5.0 15.0

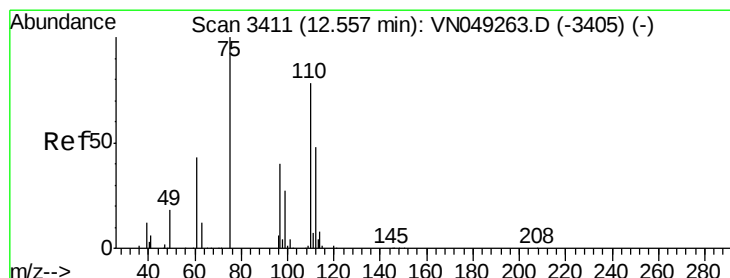
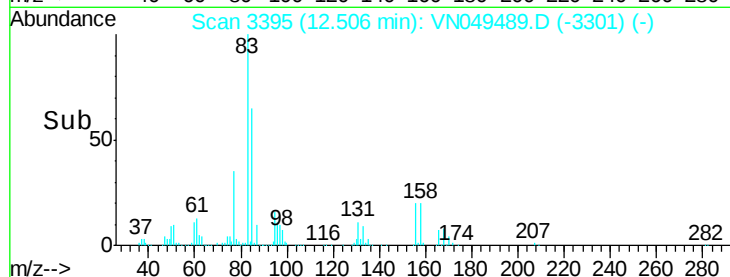
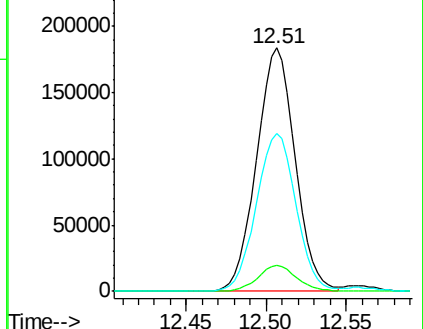
85 66.4 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN049489.D (-3391) (-)

Ion 130.80 (130.50 to 131.50): VN049489.D (-3391) (-)

Ion 84.90 (84.60 to 85.60): VN049489.D (-3391) (-)



#76

1,2,3-Trichloropropane

Concen: 28.29 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049489.D

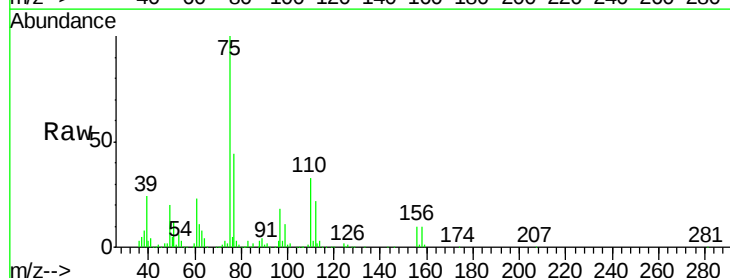
Acq: 22 Jun 2018 14:15

Tgt Ion: 75 Resp: 403919

Ion Ratio Lower Upper

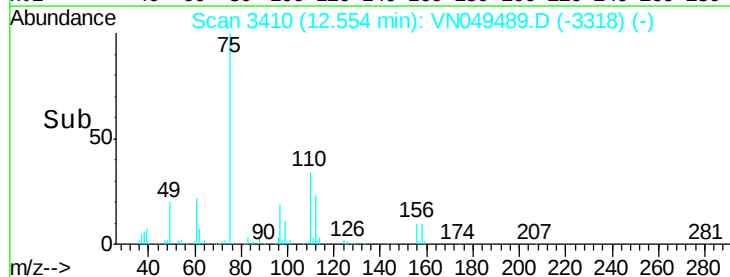
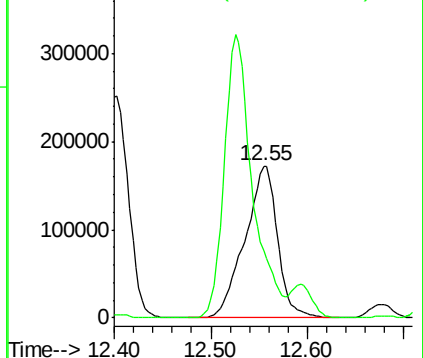
75 100

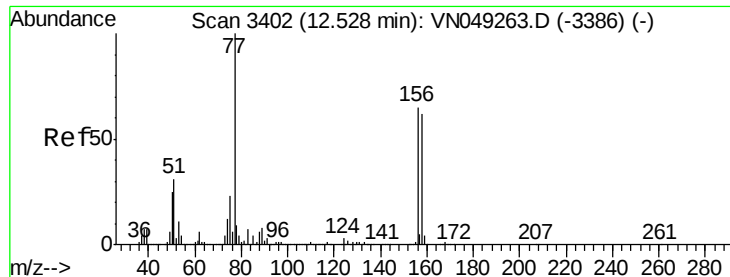
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049489.D (-3391) (-)

Ion 77.00 (76.70 to 77.70): VN049489.D (-3391) (-)





#77

Bromobenzene

Concen: 18.47 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampled :

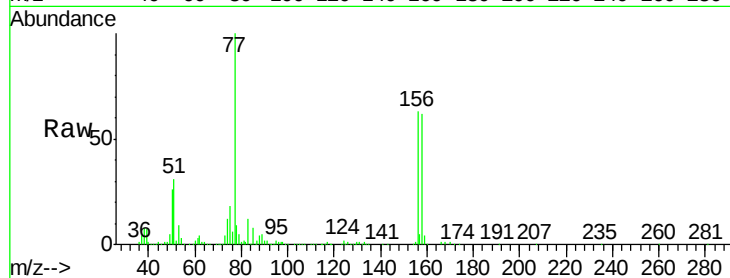
Tot Ion:156 Resp: 358507

Ion Ratio Lower Upper

156 100

77 181.3 100.8 302.4

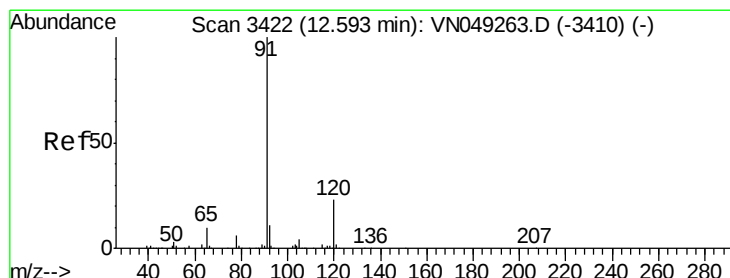
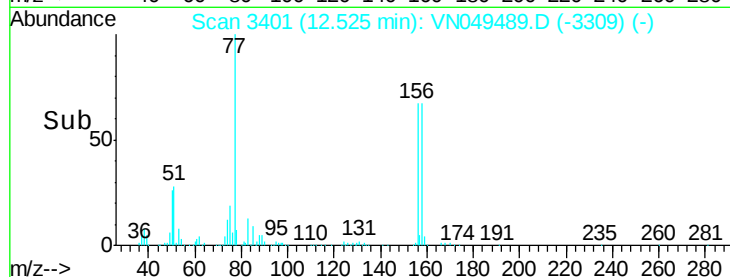
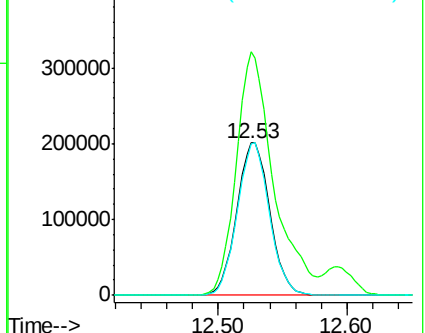
158 96.9 49.3 147.9



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: 19.38 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049489.D

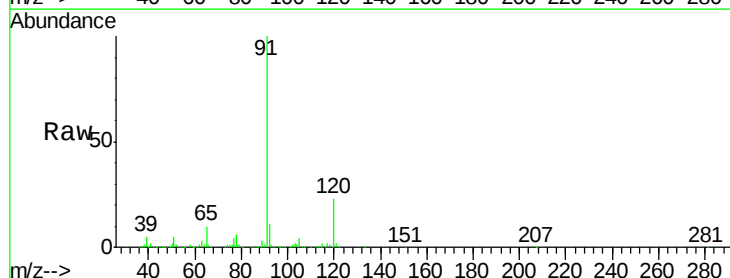
Acq: 22 Jun 2018 14:15

Tgt Ion: 91 Resp: 1563187

Ion Ratio Lower Upper

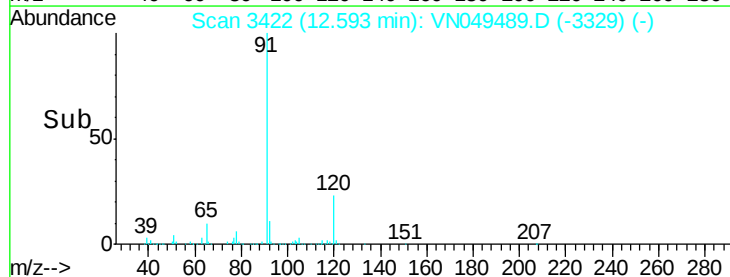
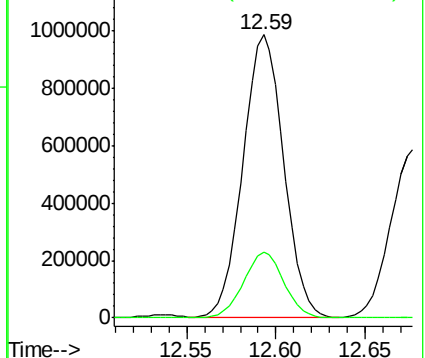
91 100

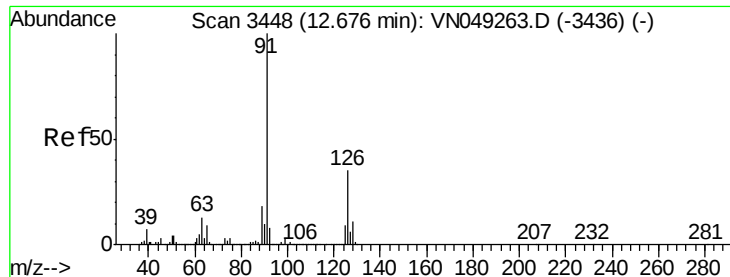
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.05 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

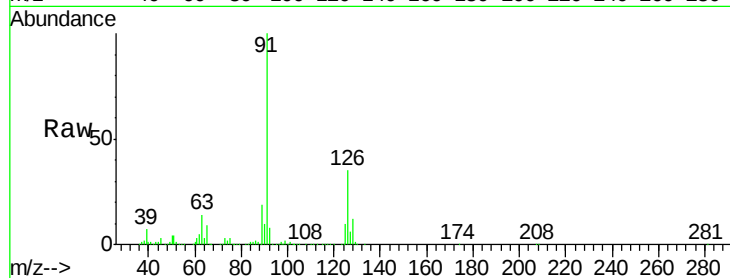
ClientSampled :

Tot Ion: 91 Resp: 973702

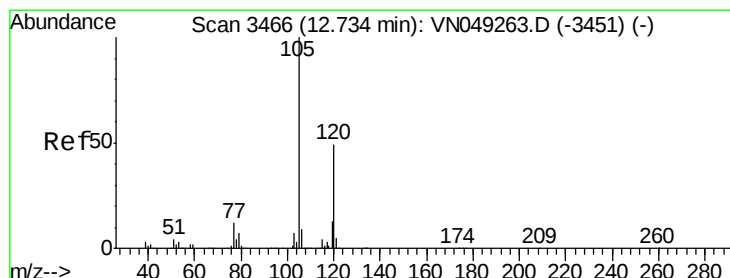
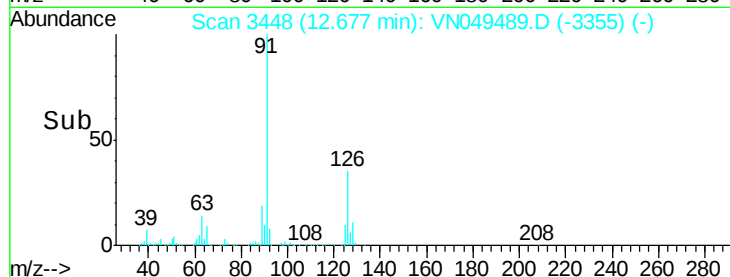
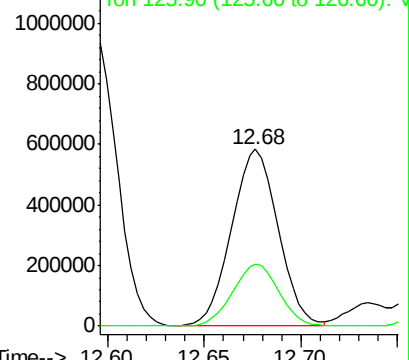
Ion Ratio Lower Upper

91 100

126 35.0 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.69 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049489.D

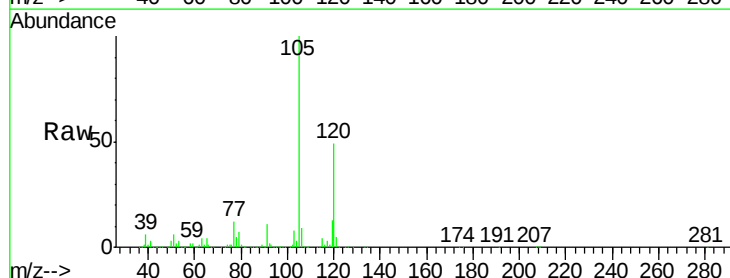
Acq: 22 Jun 2018 14:15

Tgt Ion:105 Resp: 1136939

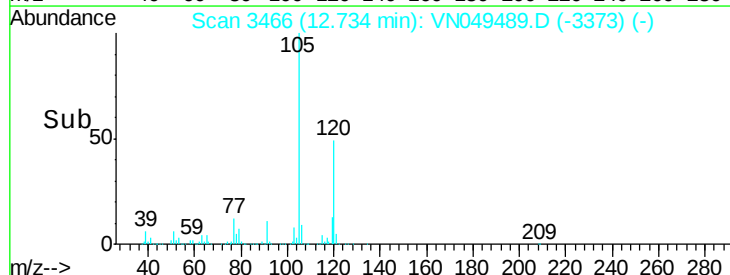
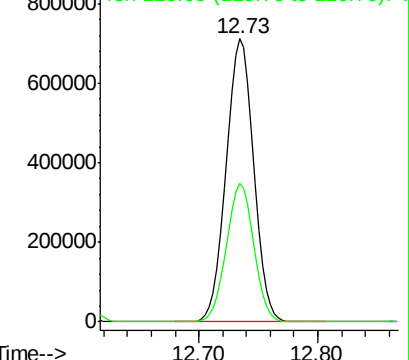
Ion Ratio Lower Upper

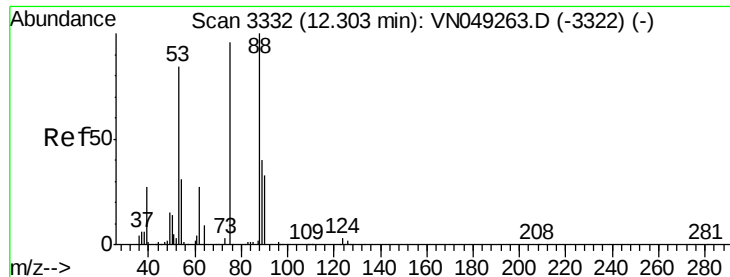
105 100

120 48.8 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.92 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

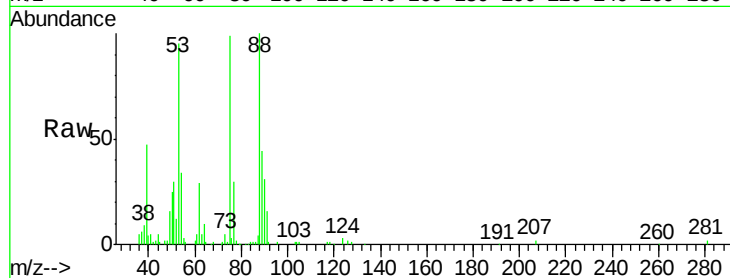
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 80970

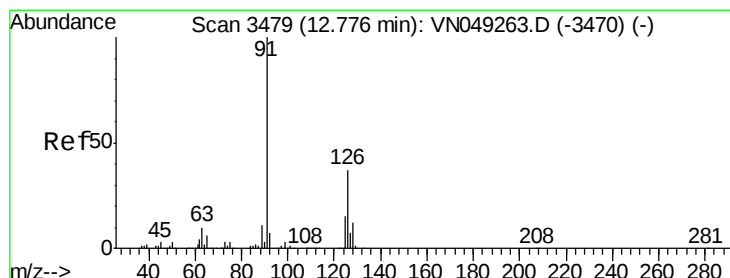
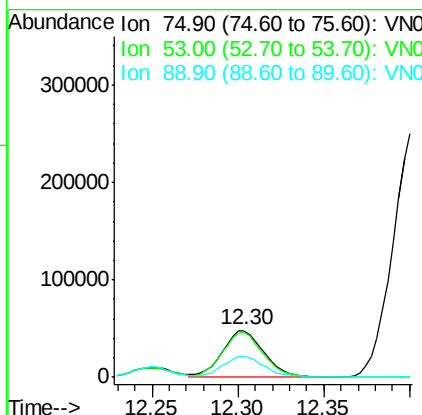
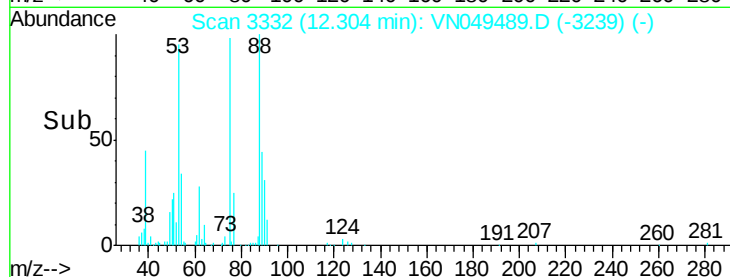
Ion	Ratio	Lower	Upper
75	100		
53	95.7	82.7	124.1
89	45.1	36.5	54.7



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 19.16 ug/l

RT: 12.77 min Scan# 3478

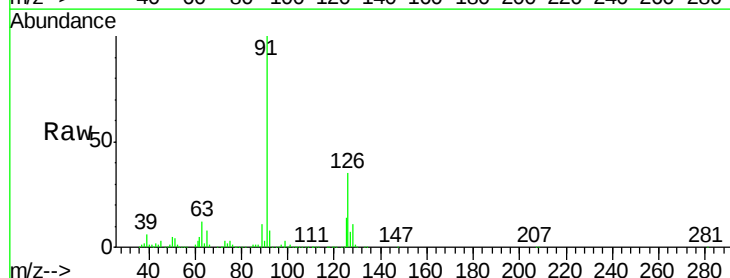
Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

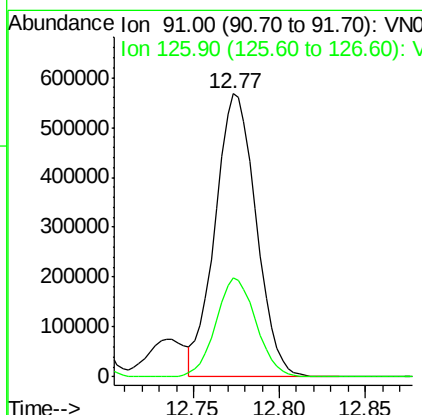
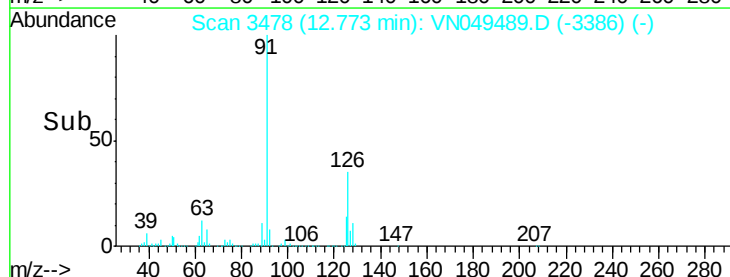
Tgt Ion: 91 Resp: 944775

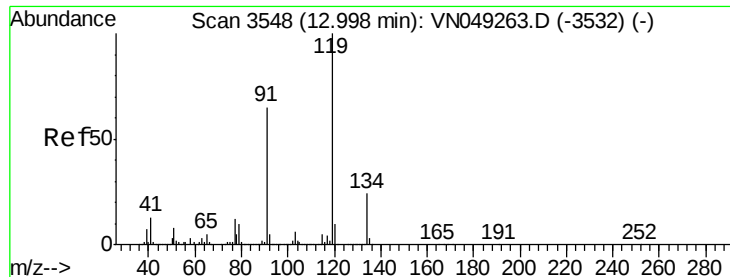
Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.1



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO





#83

tert-Butylbenzene

Concen: 18.81 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

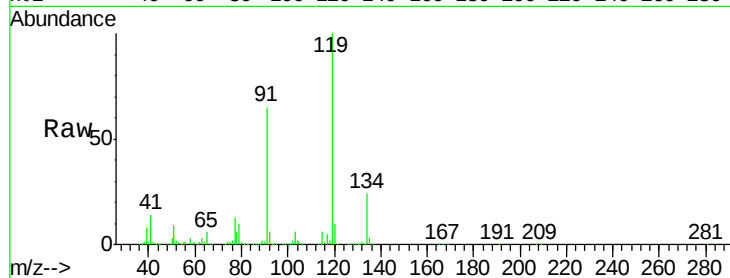
Tot Ion:119 Resp: 962174

Ion Ratio Lower Upper

119 100

91 64.8 33.7 101.0

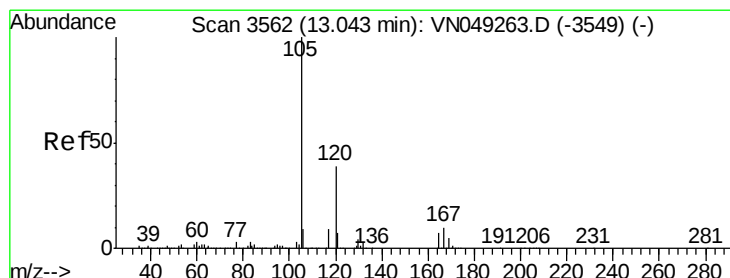
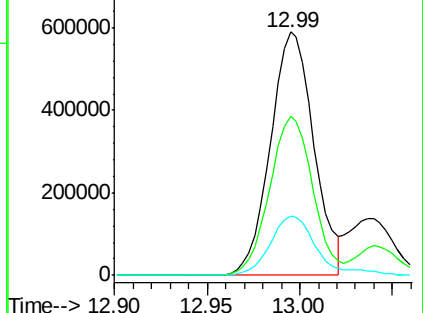
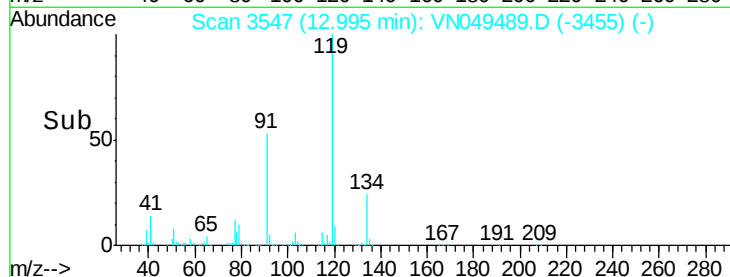
134 26.1 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.68 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049489.D

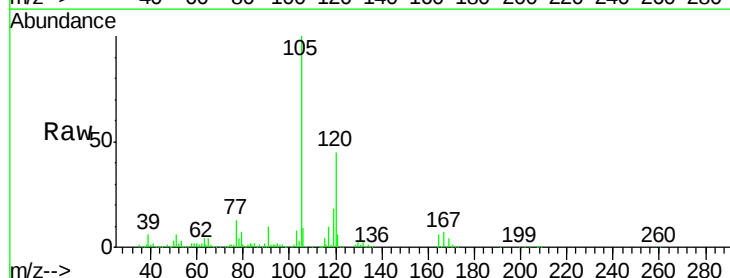
Acq: 22 Jun 2018 14:15

Tgt Ion:105 Resp: 1129291

Ion Ratio Lower Upper

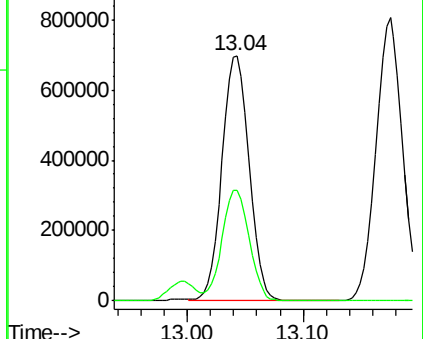
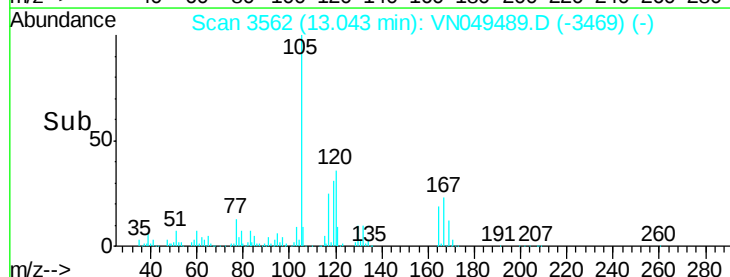
105 100

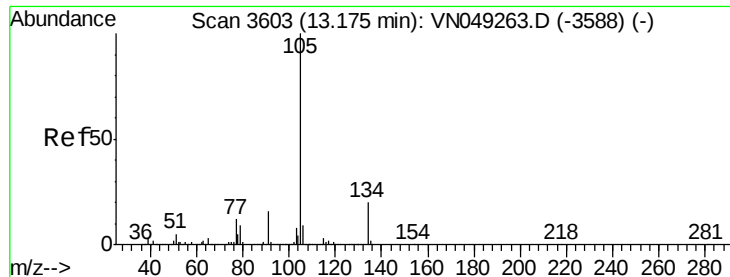
120 45.0 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.87 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

Instrument :

MSVOA_N

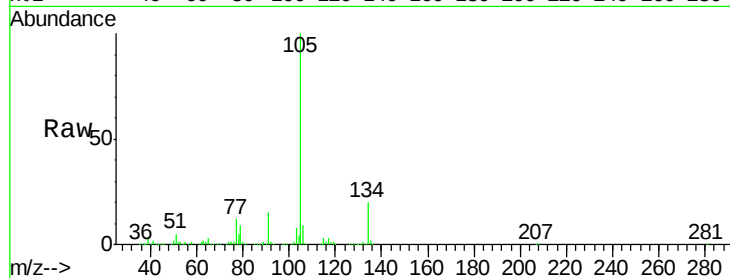
ClientSampleId :

Tot Ion:105 Resp: 1284714

Ion Ratio Lower Upper

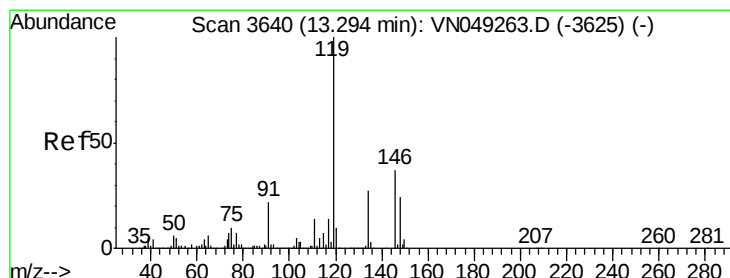
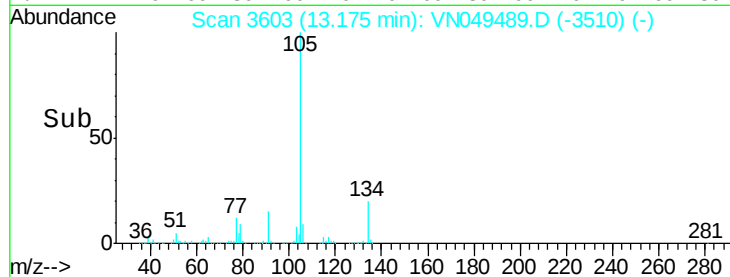
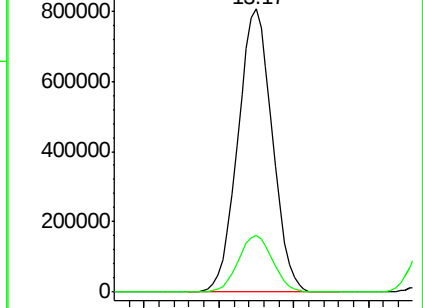
105 100

134 20.1 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.63 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049489.D

Acq: 22 Jun 2018 14:15

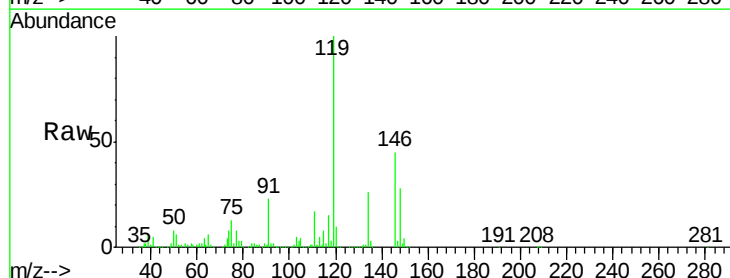
Tgt Ion:119 Resp: 1059720

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

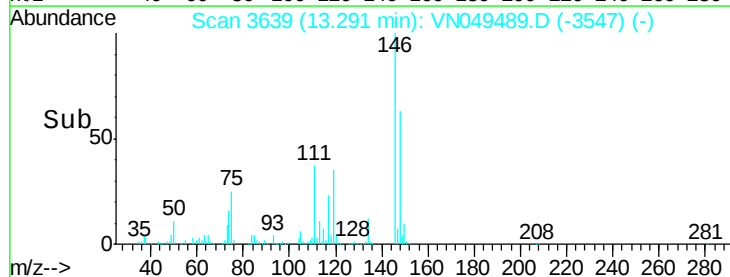
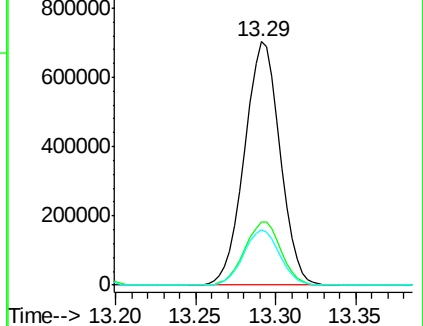
91 22.9 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

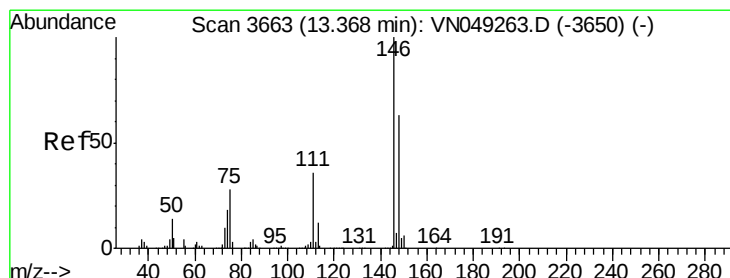
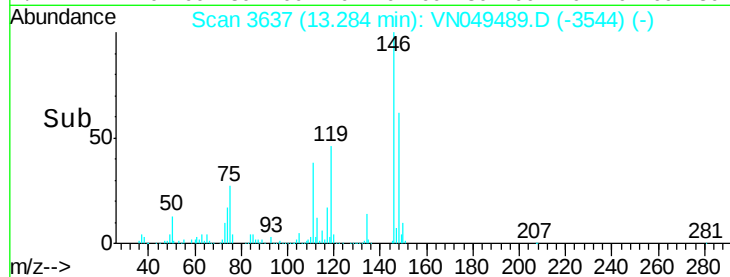
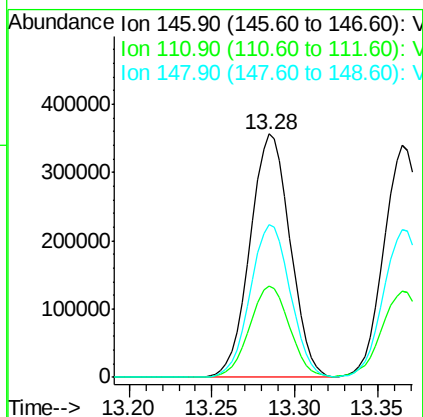
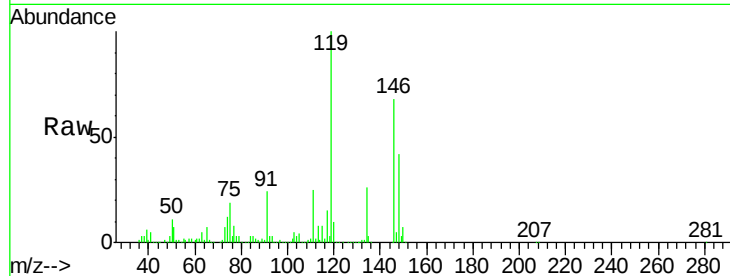




#87
 1,3-Dichlorobenzene
 Concen: 18.76 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

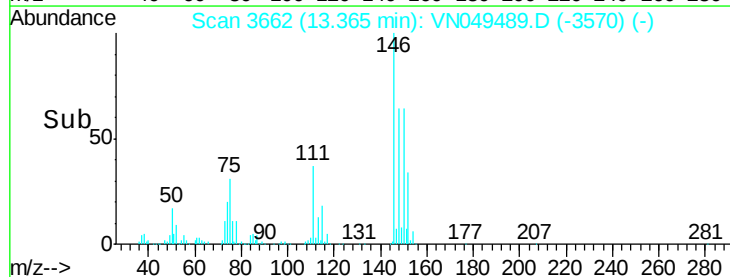
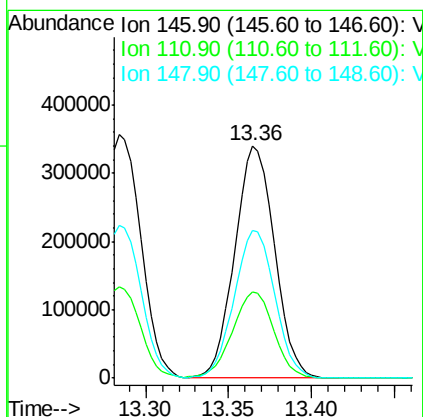
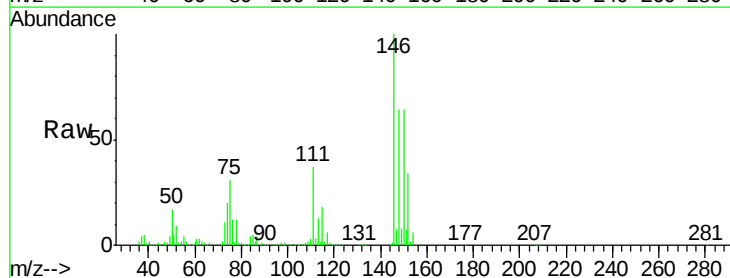
Instrument :
 MSVOA_N
 ClientSampled :

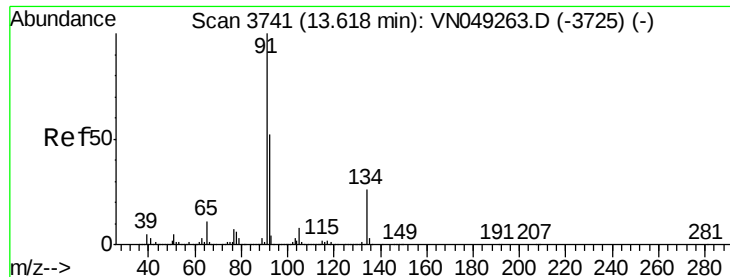
Tot Ion:146 Resp: 598960
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.9 59.6
 148 62.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 17.93 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion:146 Resp: 567469
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.1 57.1
 148 64.7 32.0 96.2

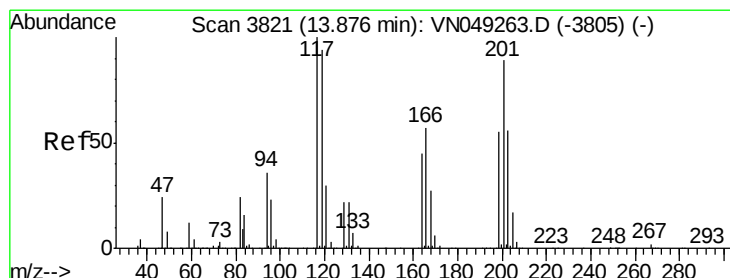
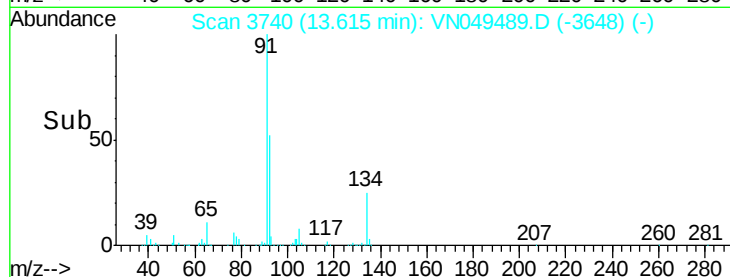
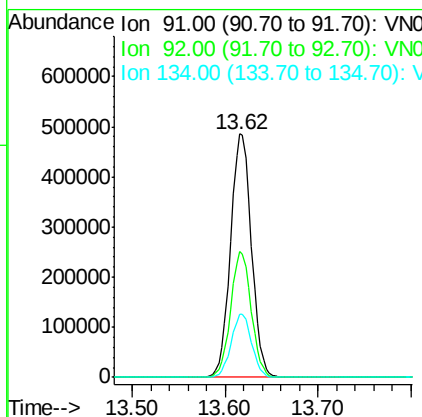
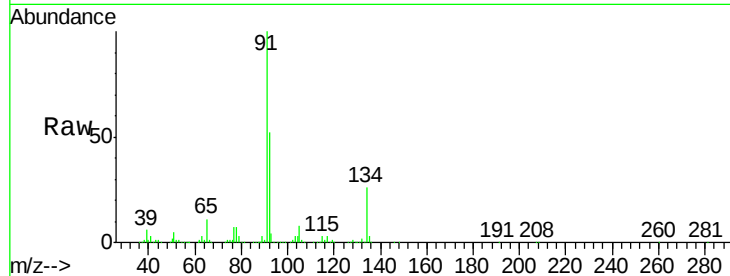




#89
n-Butylbenzene
Concen: 17.07 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

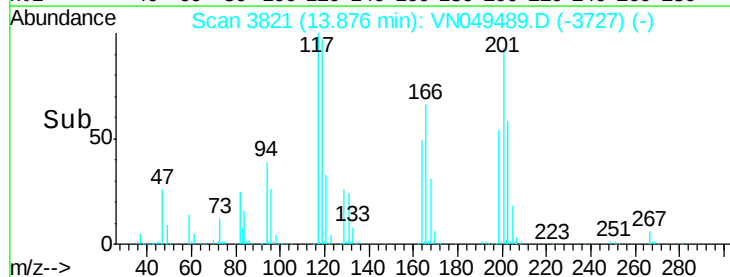
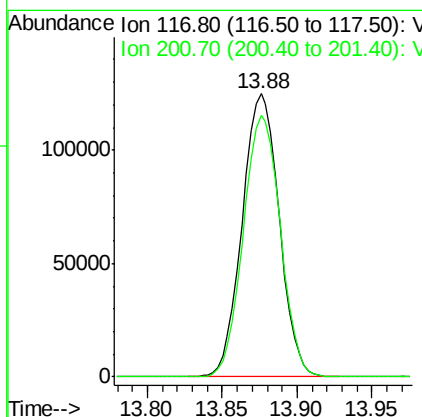
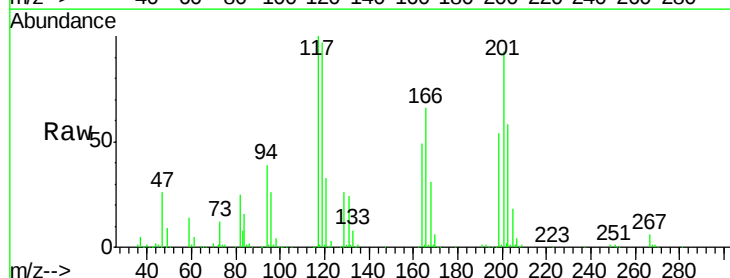
Instrument :
MSVOA_N
ClientSampleId :

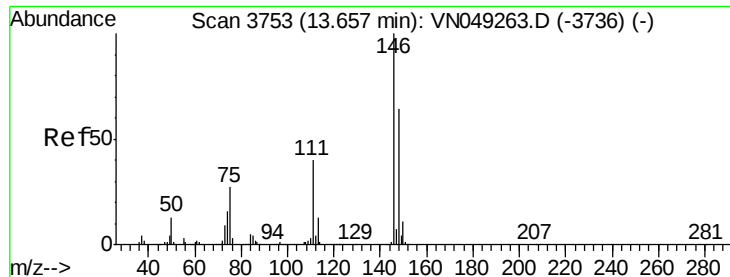
Tot Ion: 91 Resp: 758707
Ion Ratio Lower Upper
91 100
92 50.9 25.1 75.4
134 25.5 12.0 36.0



#90
Hexachloroethane
Concen: 18.95 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion: 117 Resp: 215336
Ion Ratio Lower Upper
117 100
201 92.5 40.1 120.2

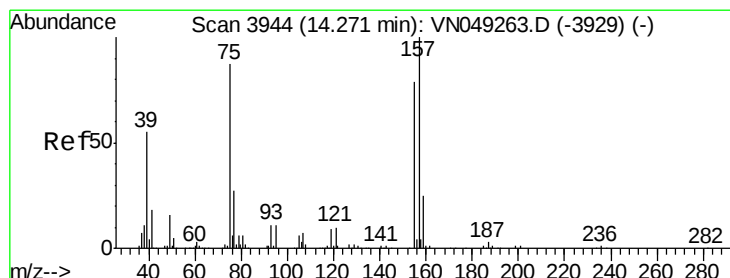
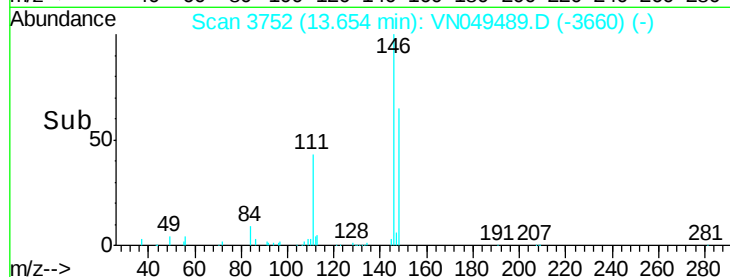
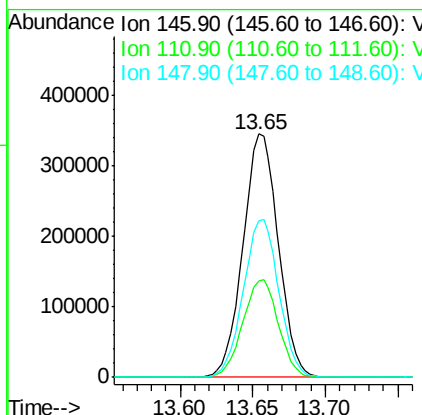
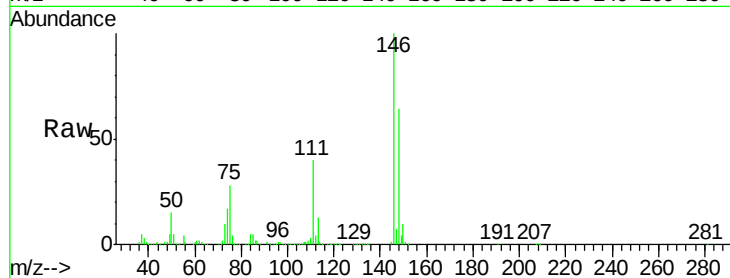




#91
 1,2-Dichlorobenzene
 Concen: 18.69 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

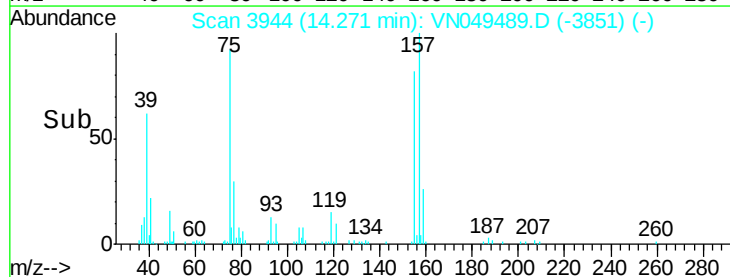
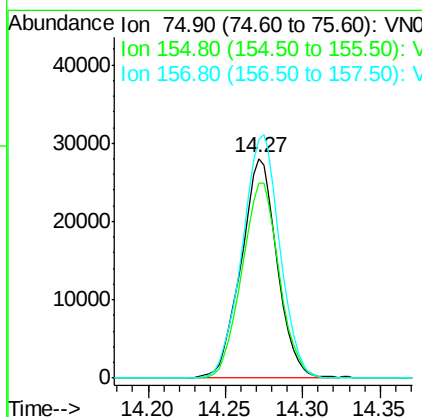
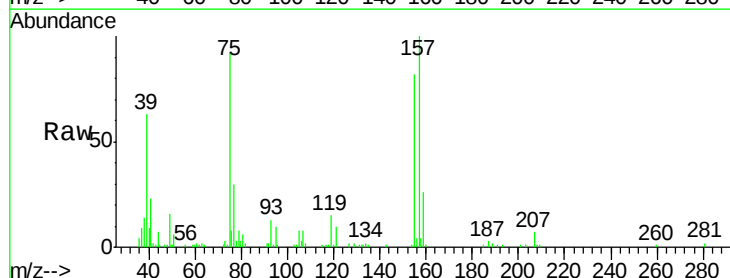
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 585119
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.8 62.2
 148 65.0 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.76 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion: 75 Resp: 45429
 Ion Ratio Lower Upper
 75 100
 155 91.9 38.8 116.3
 157 115.5 51.0 153.1

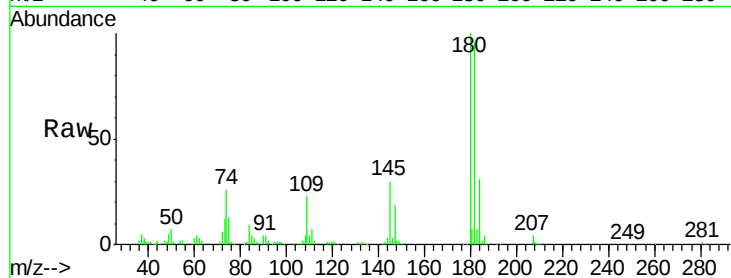




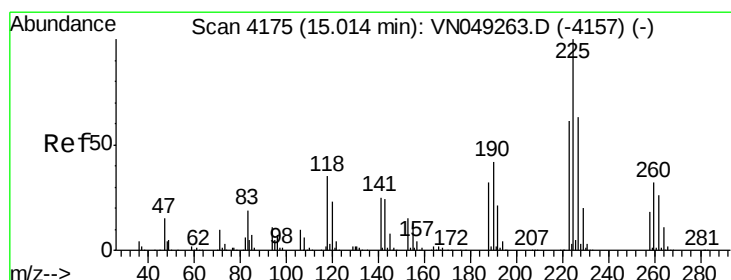
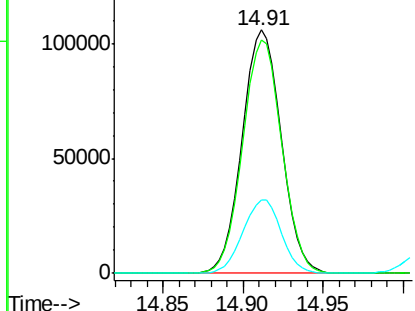
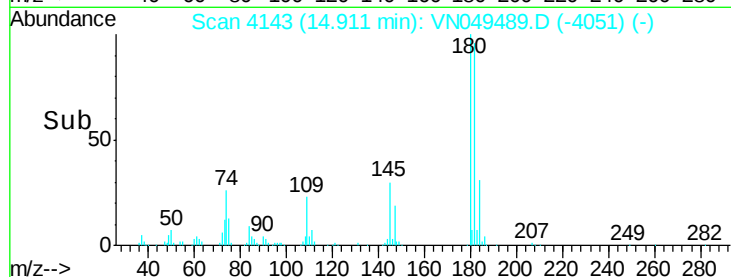
#93
 1,2,4-Trichlorobenzene
 Concen: 15.85 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 176083
 Ion Ratio Lower Upper
 180 100
 182 96.1 46.9 140.8
 145 29.6 14.7 44.1

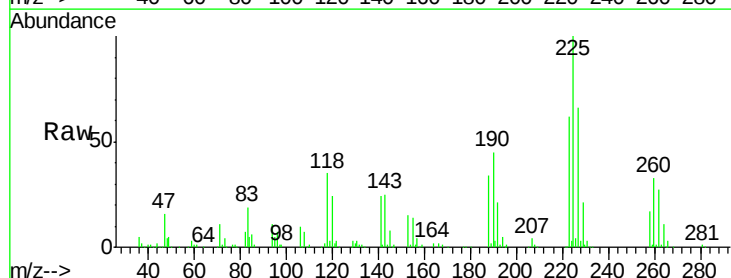


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

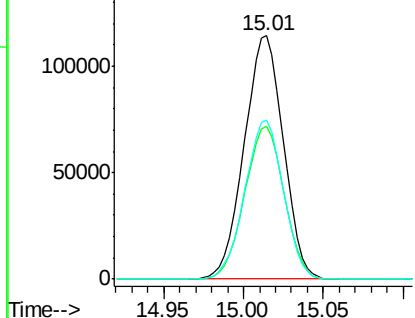
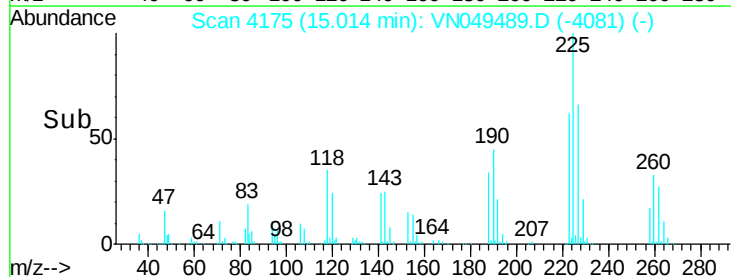


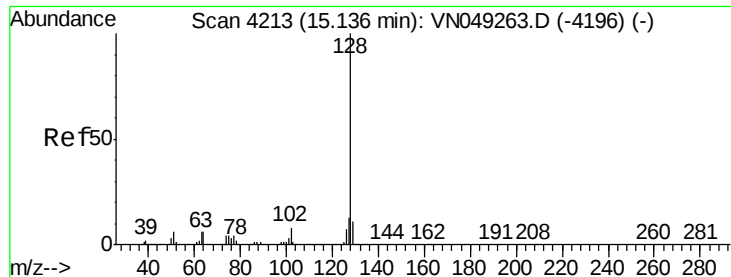
#94
 Hexachlorobutadiene
 Concen: 19.24 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049489.D
 Acq: 22 Jun 2018 14:15

Tgt Ion:225 Resp: 191550
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.1 96.3
 227 64.4 31.8 95.3



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

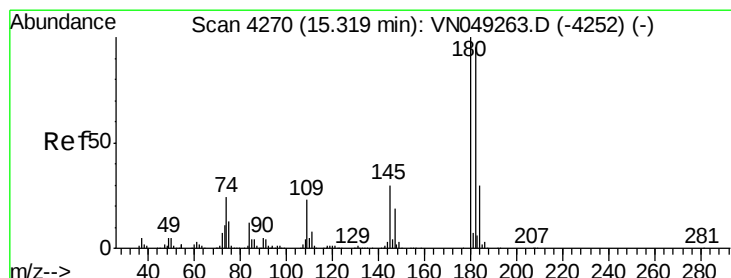
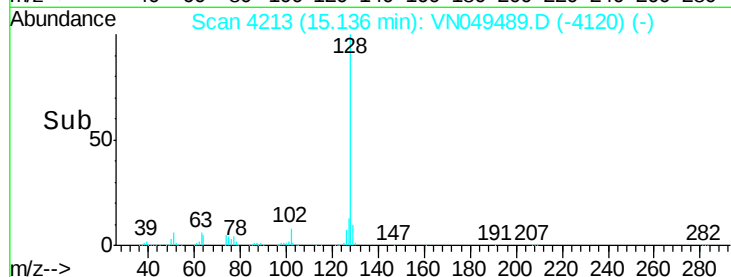
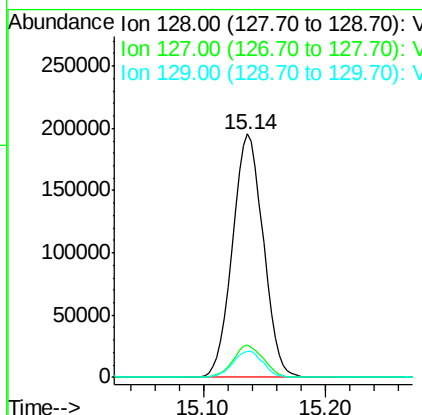
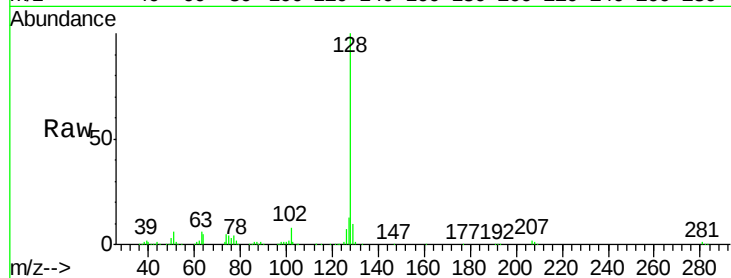




#95
Naphthalene
Concen: 16.26 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 342562
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.5 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 16.46 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049489.D
Acq: 22 Jun 2018 14:15

Tgt Ion:180 Resp: 196006
Ion Ratio Lower Upper
180 100
182 97.7 47.3 141.8
145 31.6 15.6 46.7

