

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\
 Data File : VN049437.D
 Acq On : 20 Jun 2018 15:22
 Operator : MD\SY
 Sample : VN0620WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 21 01:27:27 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	1526547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2254577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2028497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	988382	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	879596	43.44	ug/l	0.00
Spiked Amount			Recovery	=	86.88%	
35) Dibromofluoromethane	7.59	113	794641	43.56	ug/l	0.00
Spiked Amount			Recovery	=	87.12%	
50) Toluene-d8	10.09	98	2940240	42.33	ug/l	0.00
Spiked Amount			Recovery	=	84.66%	
62) 4-Bromofluorobenzene	12.40	95	982690	42.79	ug/l	0.00
Spiked Amount			Recovery	=	85.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	364442	20.74	ug/l	98
3) Chloromethane	2.06	50	444796	19.60	ug/l	98
4) Vinyl Chloride	2.18	62	482346	20.00	ug/l	99
5) Bromomethane	2.57	94	229807	18.13	ug/l	96
6) Chloroethane	2.70	64	295781	20.57	ug/l	98
7) Trichlorofluoromethane	3.01	101	638361	21.22	ug/l	98
8) Diethyl Ether	3.41	74	216006	20.57	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	398127	20.87	ug/l	93
10) Methyl Iodide	3.95	142	385359	19.40	ug/l	92
11) Tert butyl alcohol	4.79	59	130976	110.22	ug/l	96
12) 1,1-Dichloroethene	3.73	96	354537	20.26	ug/l	89
13) Acrolein	3.61	56	174889	140.34	ug/l	100
14) Allyl chloride	4.32	41	560726	20.29	ug/l	90
15) Acrylonitrile	4.99	53	636327	107.09	ug/l	98
16) Acetone	3.82	43	559286	113.77	ug/l	93
17) Carbon Disulfide	4.05	76	1049859	19.14	ug/l	99
18) Methyl Acetate	4.33	43	347994	23.22	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	956592	21.44	ug/l	100
20) Methylene Chloride	4.55	84	410441	19.99	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	370140	19.97	ug/l	92
22) Diisopropyl ether	5.95	45	1173902	21.27	ug/l	97
23) Vinyl Acetate	5.90	43	3844195	106.85	ug/l	97
24) 1,1-Dichloroethane	5.85	63	715398	20.25	ug/l	99
25) 2-Butanone	6.84	43	739685	112.05	ug/l	96
26) 2,2-Dichloropropane	6.82	77	601044	21.07	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	420691	20.42	ug/l	93
28) Bromochloromethane	7.19	49	286267	18.28	ug/l	# 82
29) Tetrahydrofuran	7.21	42	460292	108.32	ug/l	94
30) Chloroform	7.37	83	720993	20.51	ug/l	99
31) Cyclohexane	7.65	56	629974	20.93	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	616598	20.56	ug/l	97
36) 1,1-Dichloropropene	7.79	75	542370	20.99	ug/l	98
37) Ethyl Acetate	6.93	43	321117	22.86	ug/l	98
38) Carbon Tetrachloride	7.77	117	545914	20.41	ug/l	99

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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)
39) Methylcyclohexane	9.08	83	576121	20.77	ug/l	95
40) Benzene	8.04	78	1632842	20.61	ug/l	99
41) Methacrylonitrile	7.21	41	453532	59.72	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	509089	20.80	ug/l	97
43) Isopropyl Acetate	8.17	43	647291	24.12	ug/l	99
44) Trichloroethene	8.83	130	437388	20.91	ug/l	95
45) 1,2-Dichloropropane	9.12	63	426169	20.55	ug/l	98
46) Dibromomethane	9.21	93	251228	20.89	ug/l	90
47) Bromodichloromethane	9.40	83	554389	20.98	ug/l	98
48) Methyl methacrylate	9.20	41	280052	22.16	ug/l	89
49) 1,4-Dioxane	9.20	88	79135	453.64	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	1581197	112.41	ug/l	94
52) Toluene	10.16	92	996759	21.44	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	536261	21.21	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	622132	20.84	ug/l	89
55) 1,1,2-Trichloroethane	10.56	97	358832	20.70	ug/l	97
56) Ethyl methacrylate	10.43	69	441772	22.09	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	603027	21.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	414270	68.95	ug/l	95
59) 2-Hexanone	10.75	43	1050582	115.84	ug/l	94
60) Dibromochloromethane	10.90	129	401903	20.77	ug/l	99
61) 1,2-Dibromoethane	11.01	107	339146	21.05	ug/l	98
64) Tetrachloroethene	10.63	164	478747	23.03	ug/l	97
65) Chlorobenzene	11.44	112	1078232	20.63	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	403289	20.51	ug/l	99
67) Ethyl Benzene	11.51	91	1836634	21.19	ug/l	98
68) m/p-Xylenes	11.62	106	1425021	43.81	ug/l	96
69) o-Xylene	11.95	106	670994	21.42	ug/l	96
70) Styrene	11.97	104	1086393	21.98	ug/l	98
71) Bromoform	12.13	173	269456	21.17	ug/l #	98
73) Isopropylbenzene	12.25	105	1803372	20.78	ug/l	98
74) N-amyl acetate	12.07	43	445458	20.96	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	408299	21.60	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	519161	30.78	ug/l #	100
77) Bromobenzene	12.53	156	448760	19.58	ug/l	92
78) n-propylbenzene	12.59	91	2038749	21.40	ug/l	98
79) 2-Chlorotoluene	12.68	91	1251163	20.72	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1471601	21.57	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	108461	20.33	ug/l	94
82) 4-Chlorotoluene	12.78	91	1247284	21.41	ug/l	98
83) tert-Butylbenzene	12.99	119	1237808	20.48	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1486483	21.94	ug/l	99
85) sec-Butylbenzene	13.17	105	1669545	20.76	ug/l	99
86) p-Isopropyltoluene	13.29	119	1420958	21.15	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	770706	20.44	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	747241	19.99	ug/l	99
89) n-Butylbenzene	13.62	91	1072611	20.44	ug/l	98
90) Hexachloroethane	13.88	117	279035	20.96	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	751039	20.31	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59891	19.82	ug/l	88

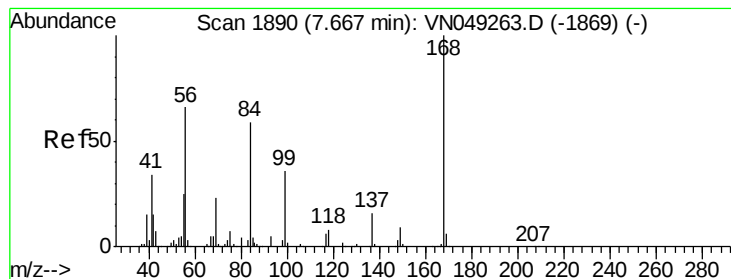
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	260194	18.64	ug/l	98
94) Hexachlorobutadiene	15.01	225	247716	21.34	ug/l	98
95) Naphthalene	15.14	128	488907	19.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	276237	18.97	ug/l	96

(#) = 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: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

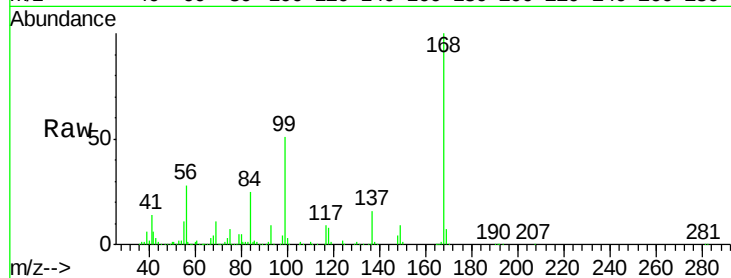
ClientSampleId :

Tot Ion:168 Resp: 1526547

Ion Ratio Lower Upper

168 100

99 51.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

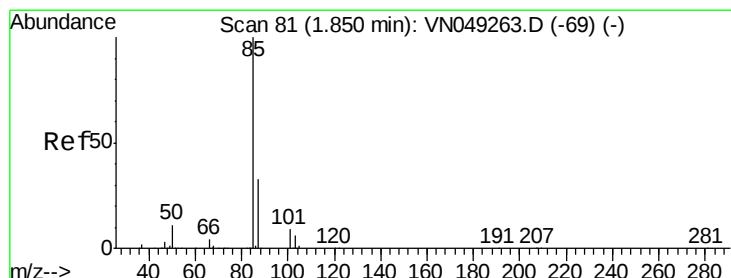
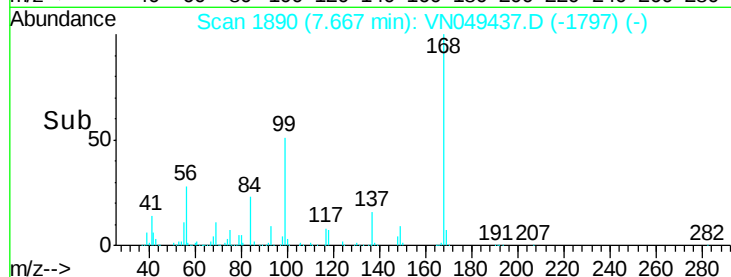
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 20.74 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049437.D

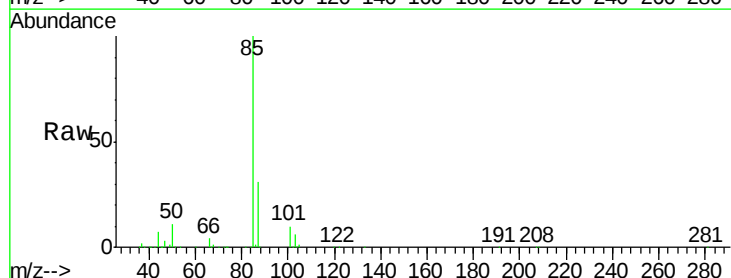
Acq: 20 Jun 2018 15:22

Tgt Ion: 85 Resp: 364442

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

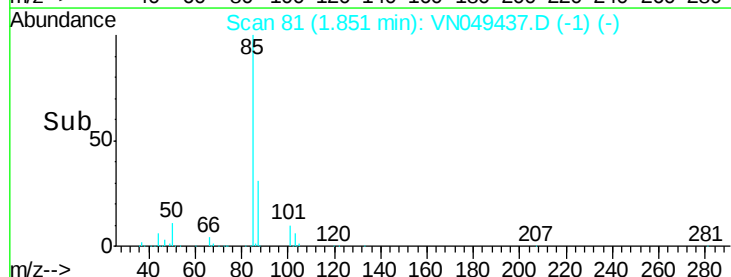
150000

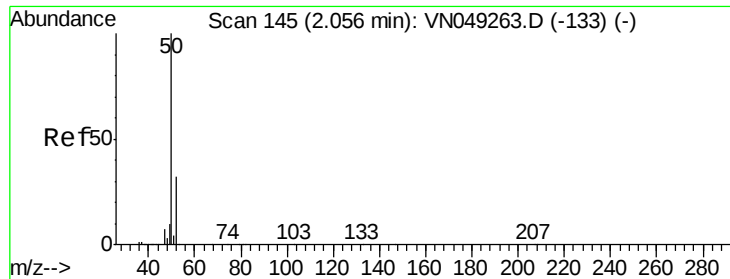
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 19.60 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

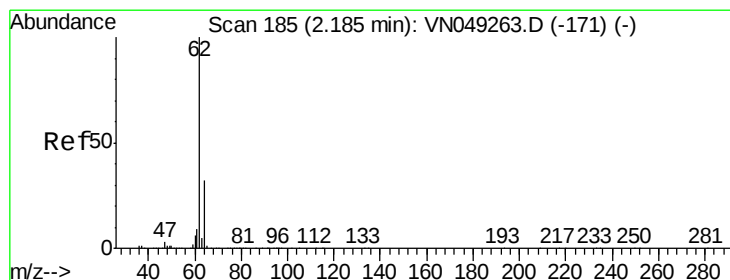
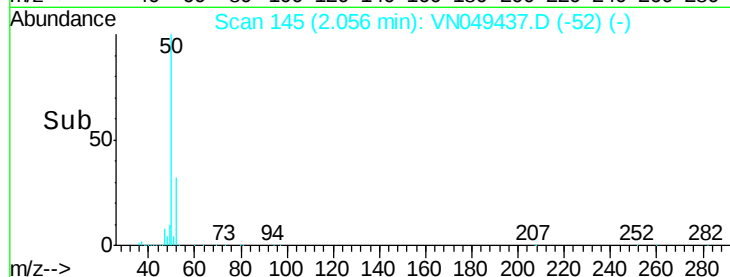
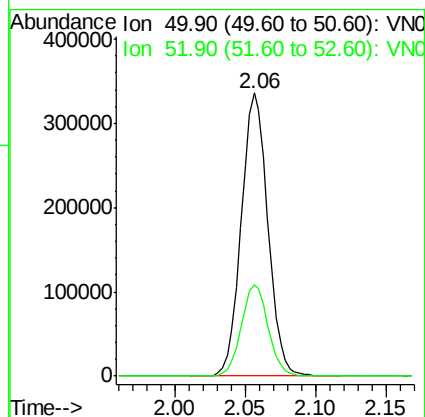
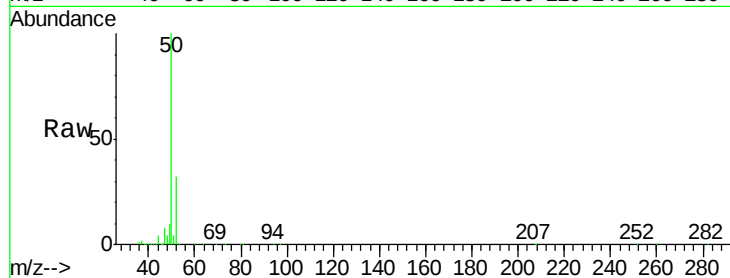
ClientSampleId :

Tot Ion: 50 Resp: 444796

Ion Ratio Lower Upper

50 100

52 32.4 25.2 37.8



#4

Vinyl Chloride

Concen: 20.00 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049437.D

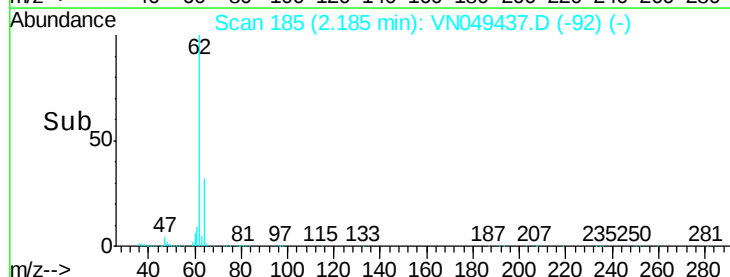
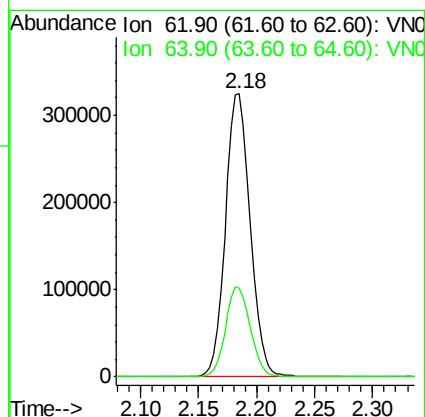
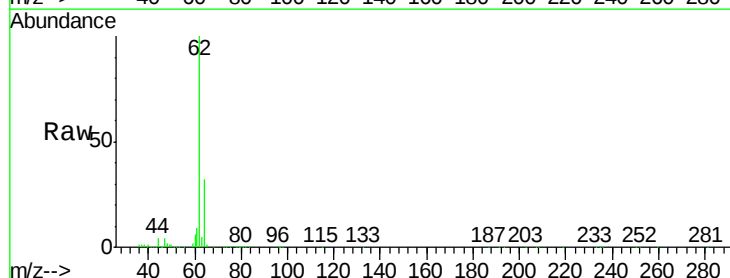
Acq: 20 Jun 2018 15:22

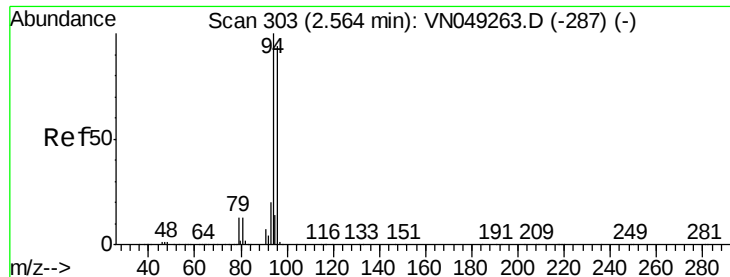
Tgt Ion: 62 Resp: 482346

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5





#5

Bromomethane

Concen: 18.13 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

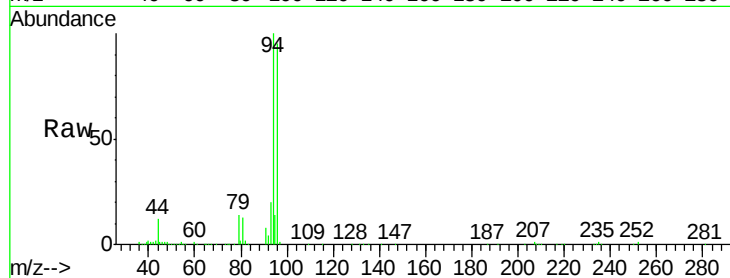
ClientSampleId :

Tot Ion: 94 Resp: 229807

Ion Ratio Lower Upper

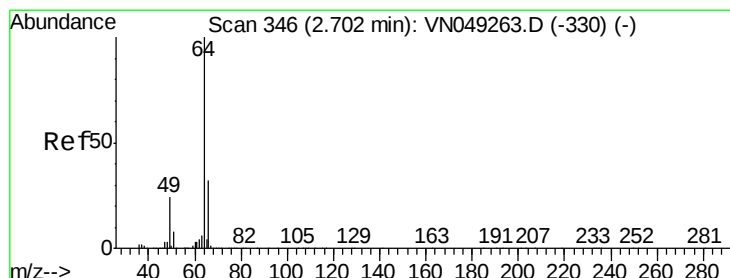
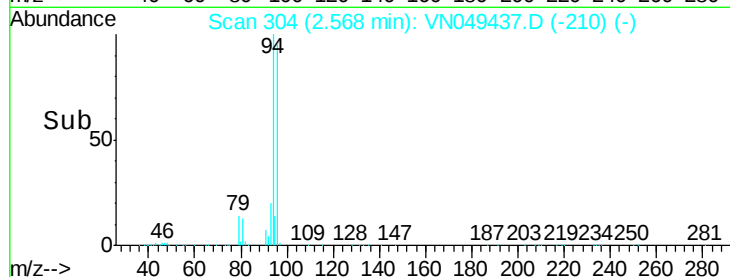
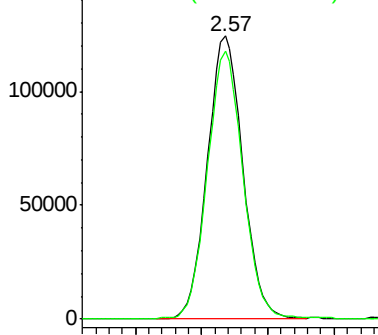
94 100

96 94.7 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: 20.57 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049437.D

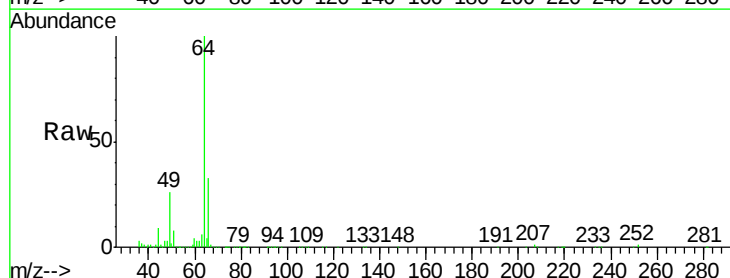
Acq: 20 Jun 2018 15:22

Tgt Ion: 64 Resp: 295781

Ion Ratio Lower Upper

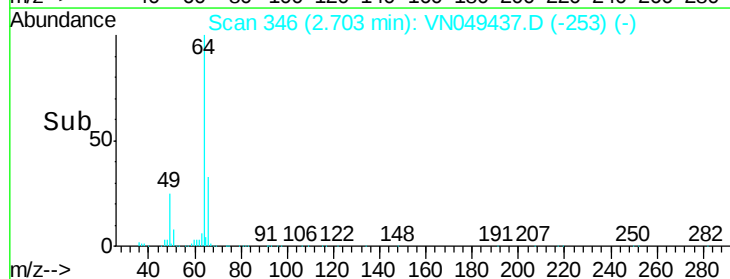
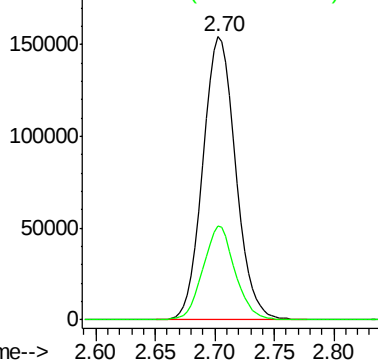
64 100

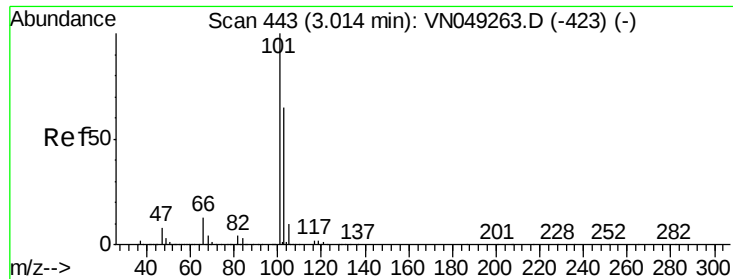
66 33.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 21.22 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

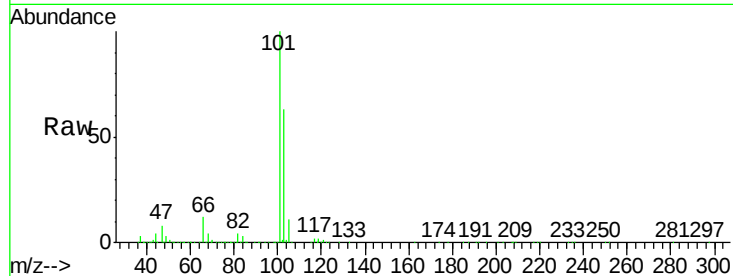
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 638361

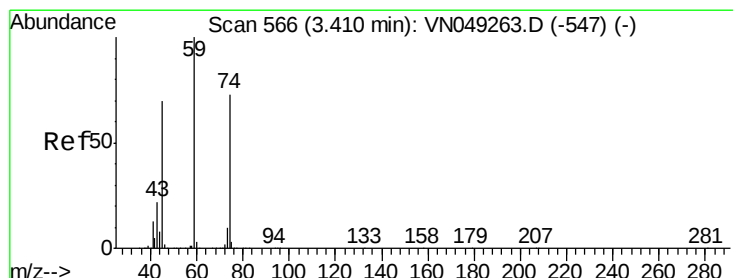
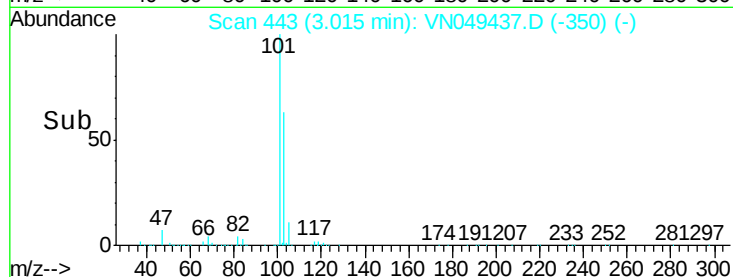
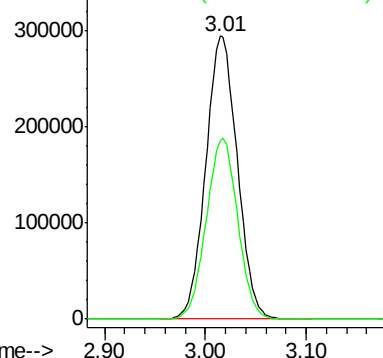
Ion Ratio Lower Upper

101 100

103 63.2 51.7 77.5



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



#8

Diethyl Ether

Concen: 20.57 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049437.D

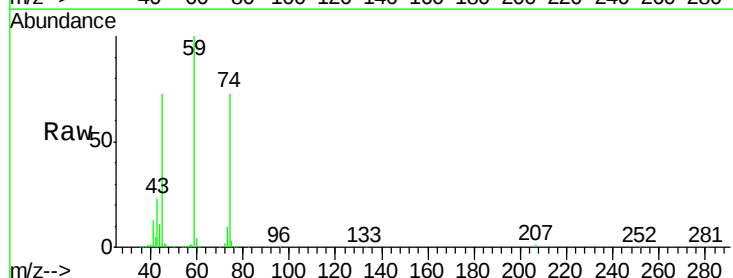
Acq: 20 Jun 2018 15:22

Tgt Ion: 74 Resp: 216006

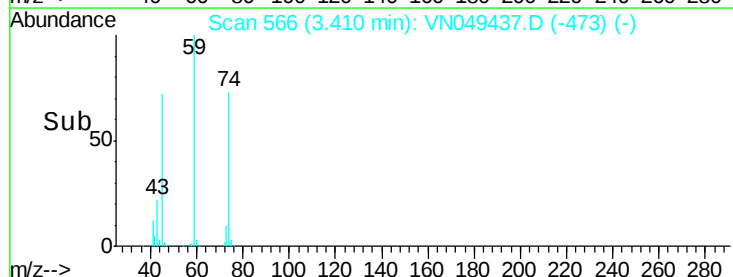
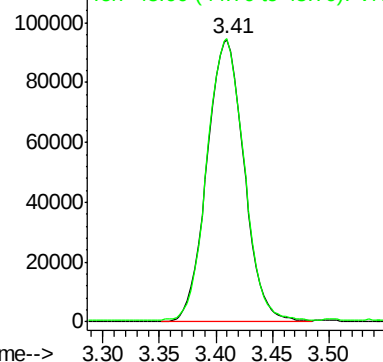
Ion Ratio Lower Upper

74 100

45 99.5 51.9 155.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.87 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

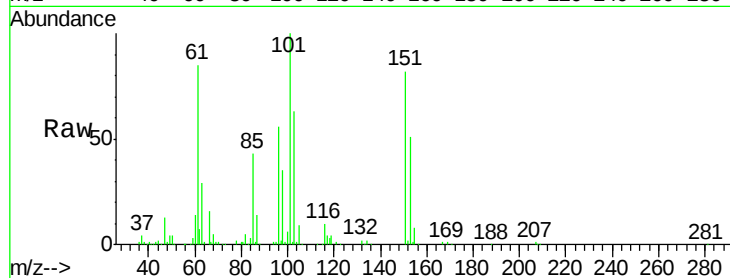
Tot Ion:101 Resp: 398127

Ion Ratio Lower Upper

101 100

85 42.7 37.6 56.4

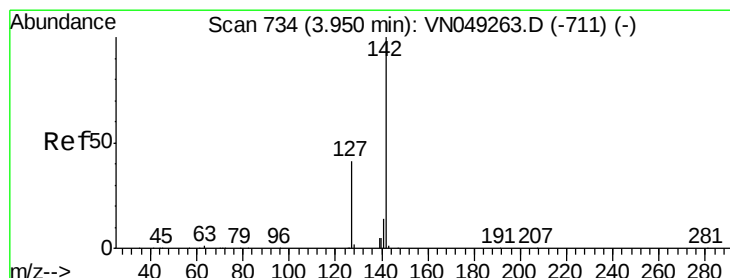
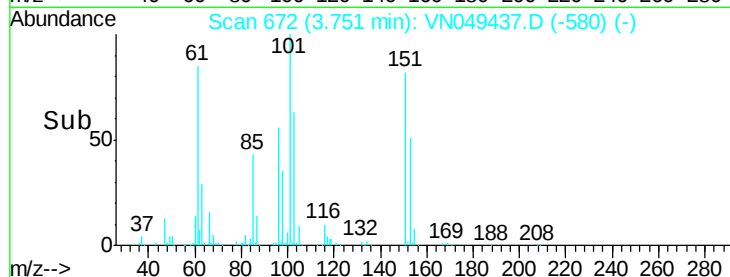
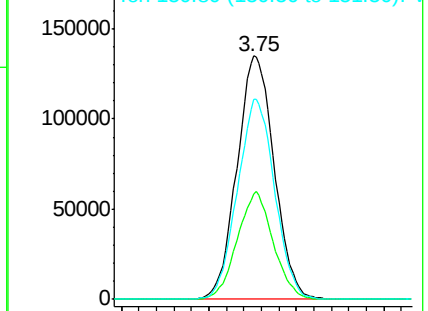
151 82.3 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.40 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

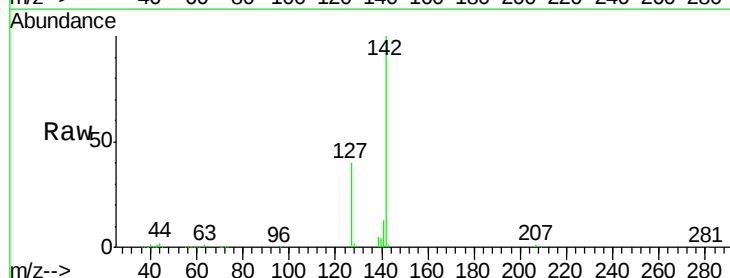
Tgt Ion:142 Resp: 385359

Ion Ratio Lower Upper

142 100

127 41.2 38.2 57.4

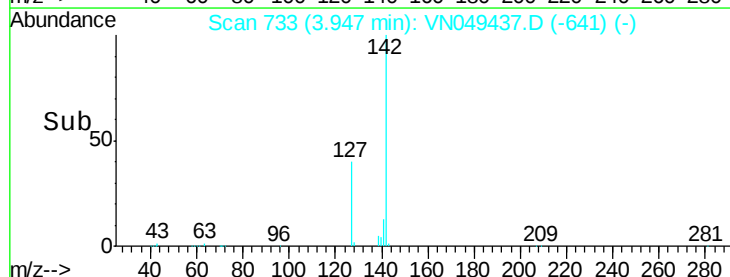
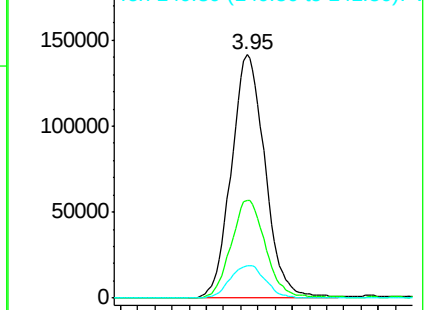
141 14.2 11.9 17.9

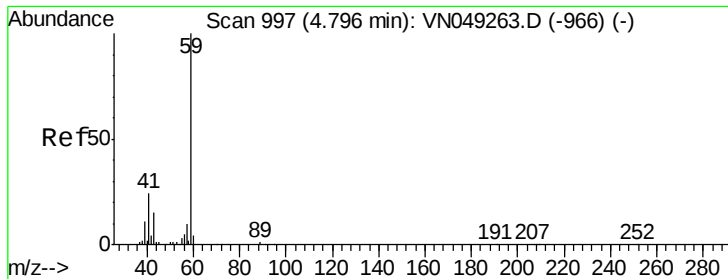


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

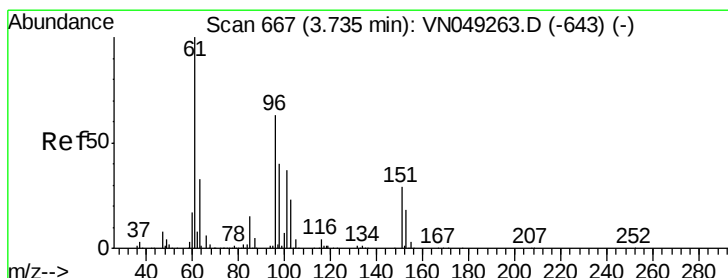
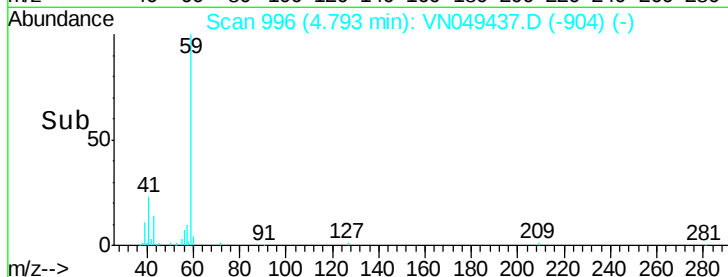
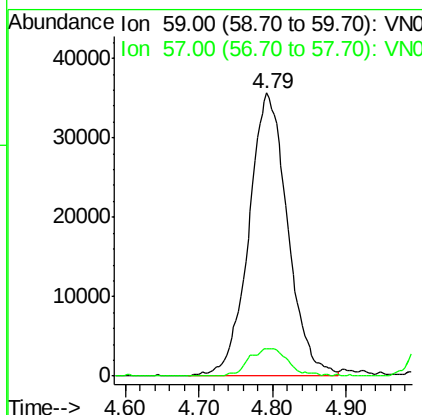
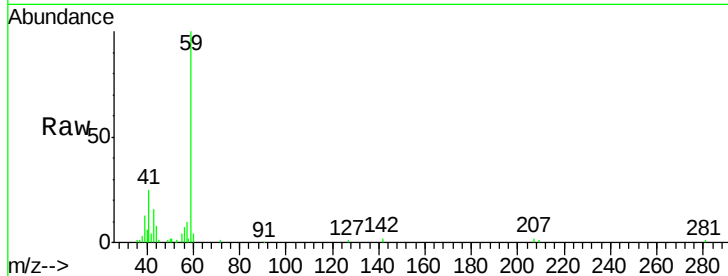




#11
Tert butyl alcohol
Concen: 110.22 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

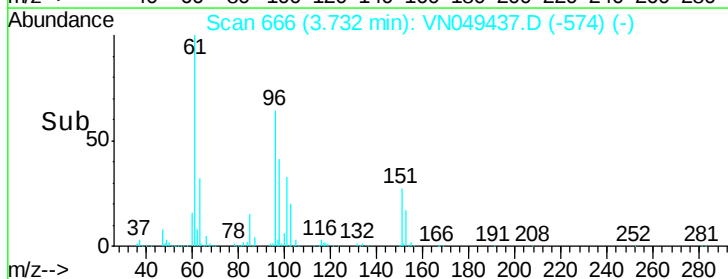
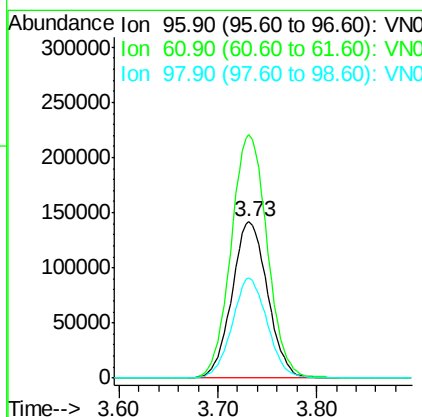
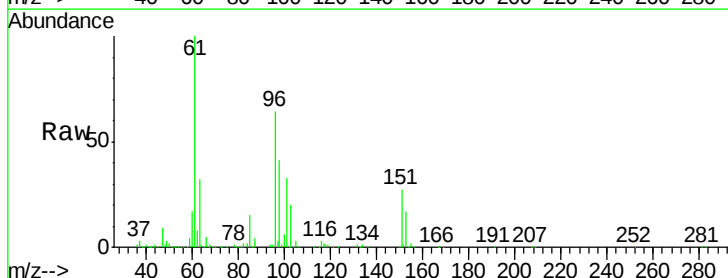
Instrument :
MSVOA_N
ClientSampleId :

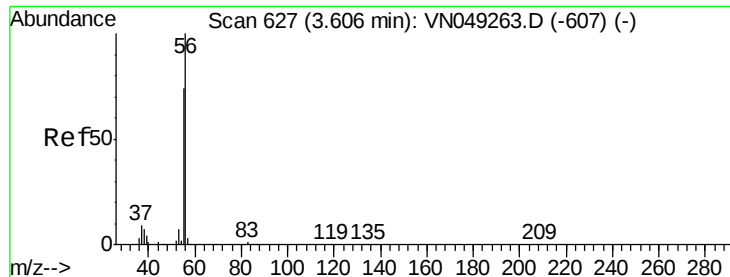
Tot Ion: 59 Resp: 130976
Ion Ratio Lower Upper
59 100
57 9.6 9.0 13.6



#12
1,1-Dichloroethene
Concen: 20.26 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion: 96 Resp: 354537
Ion Ratio Lower Upper
96 100
61 156.1 141.0 211.4
98 64.5 50.4 75.6





#13

Acrolein

Concen: 140.34 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

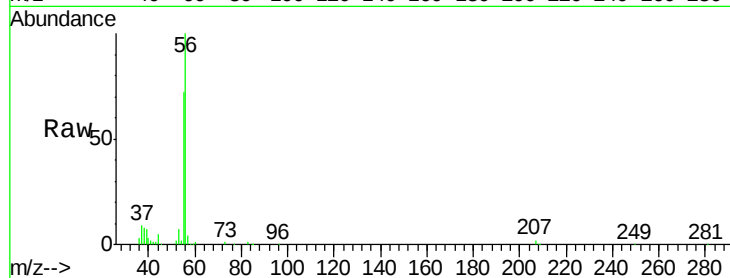
ClientSampleId :

Tot Ion: 56 Resp: 174889

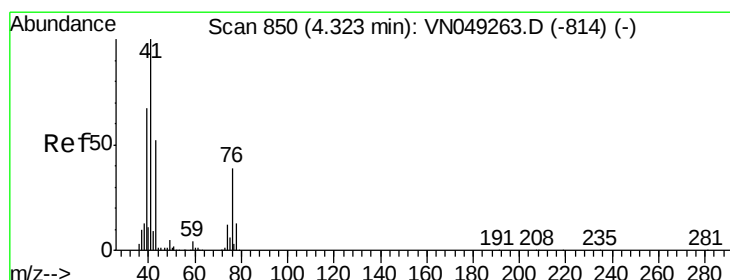
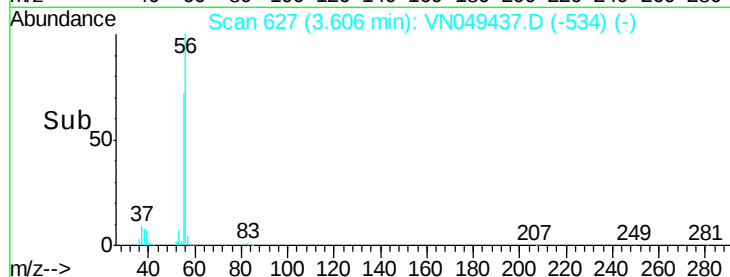
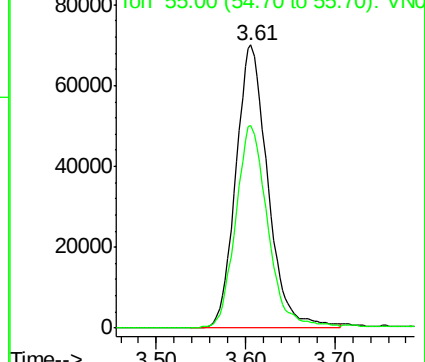
Ion Ratio Lower Upper

56 100

55 71.0 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN049437.D (-534) (-)



#14

Allyl chloride

Concen: 20.29 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

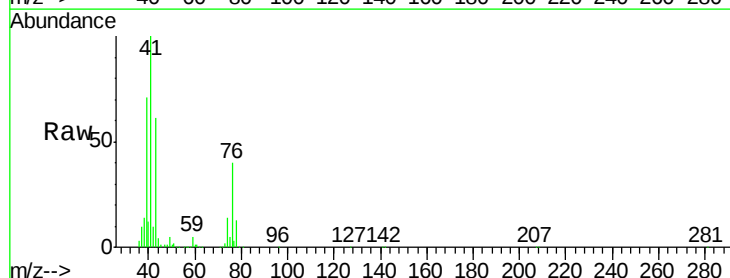
Tgt Ion: 41 Resp: 560726

Ion Ratio Lower Upper

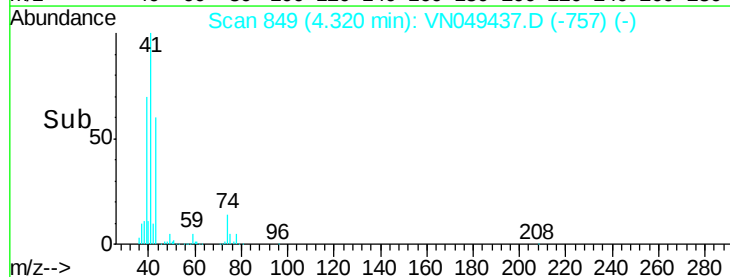
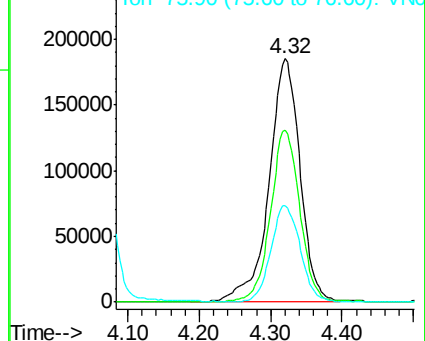
41 100

39 66.9 62.5 93.7

76 36.7 27.1 40.7



Abundance Ion 41.00 (40.70 to 41.70): VN049437.D (-757) (-)



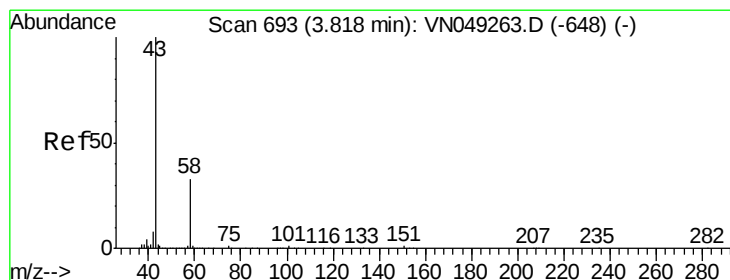
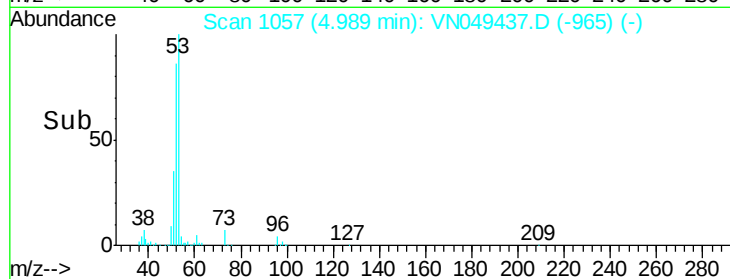
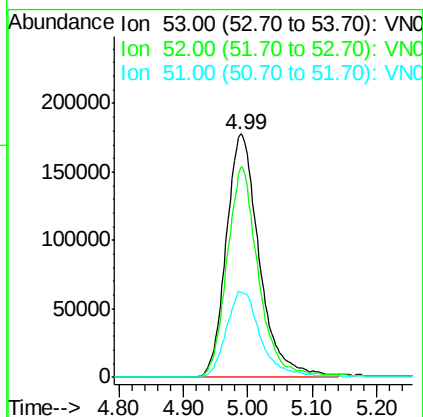
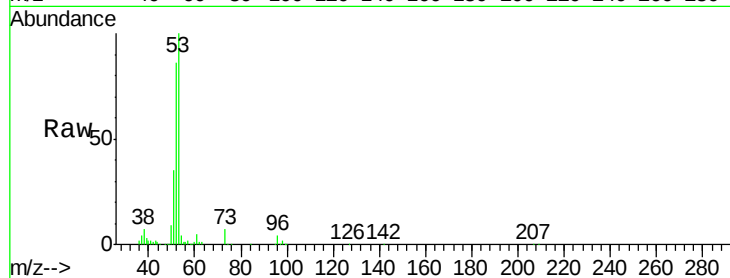


#15
 Acrylonitrile
 Concen: 107.09 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 53 Resp: 636327

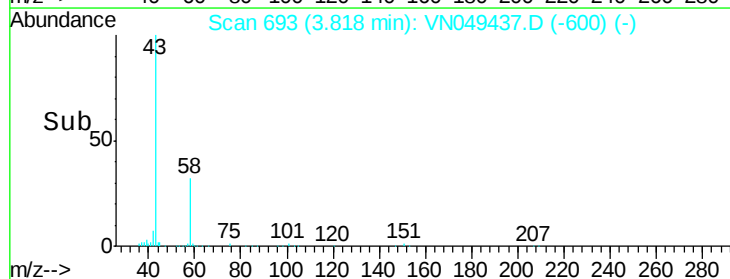
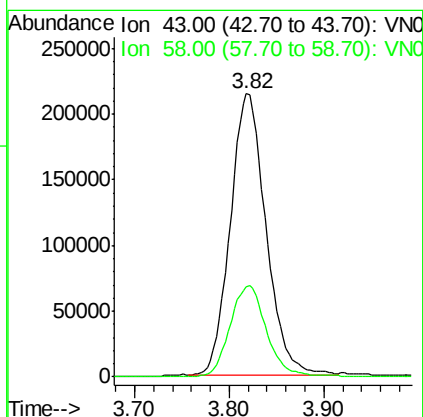
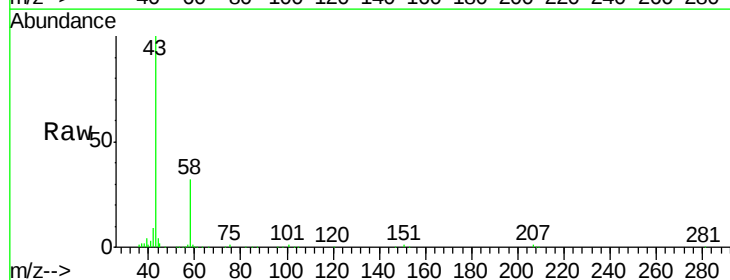
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.6	100.0
51	36.6	29.8	44.8

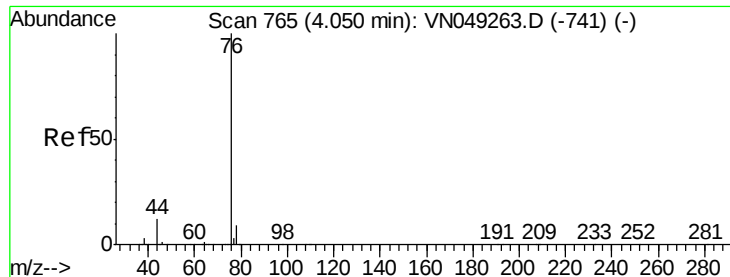


#16
 Acetone
 Concen: 113.77 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion: 43 Resp: 559286

Ion	Ratio	Lower	Upper
43	100		
58	31.8	22.4	33.6

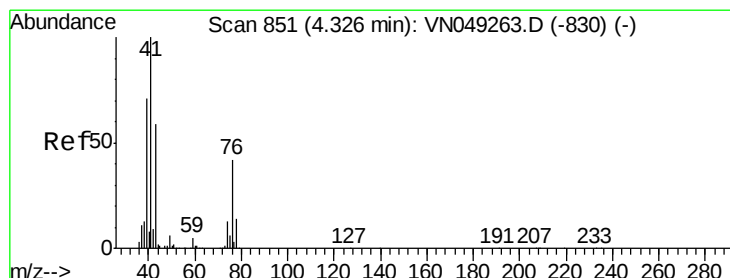
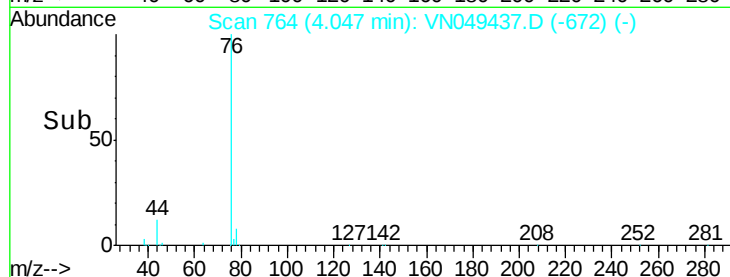
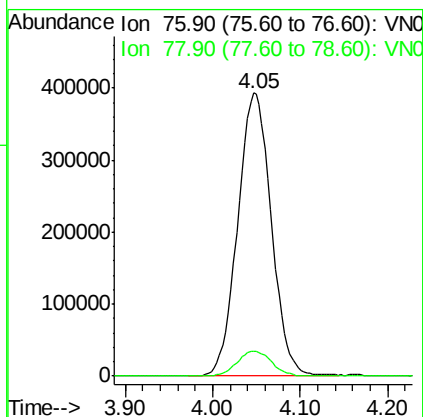
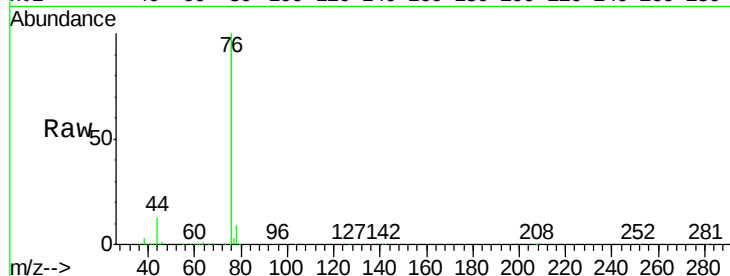




#17
Carbon Disulfide
Concen: 19.14 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

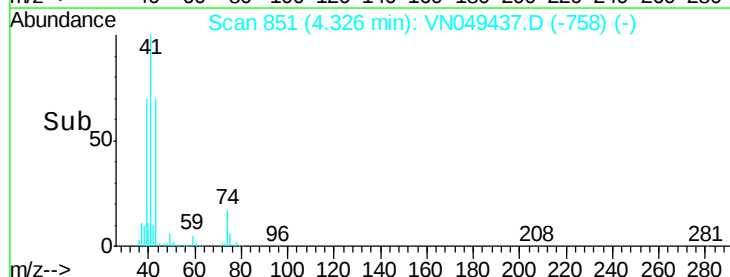
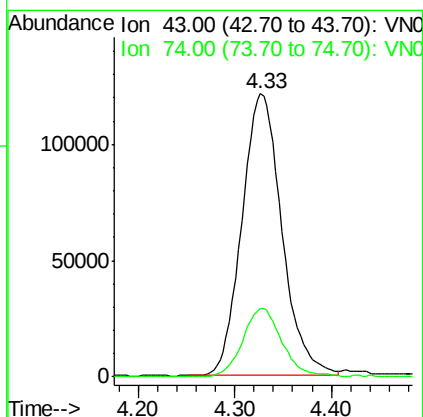
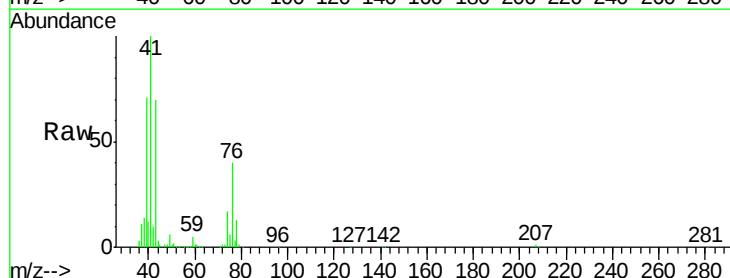
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 1049859
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 23.22 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion: 43 Resp: 347994
Ion Ratio Lower Upper
43 100
74 24.0 17.4 26.0

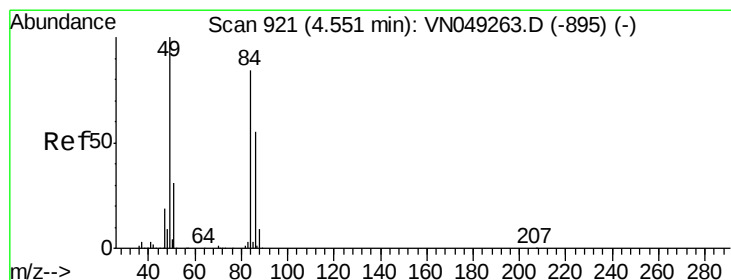
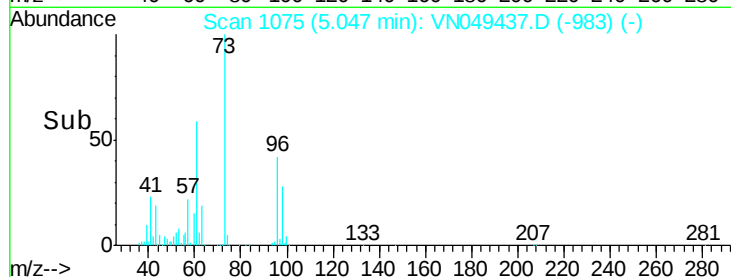
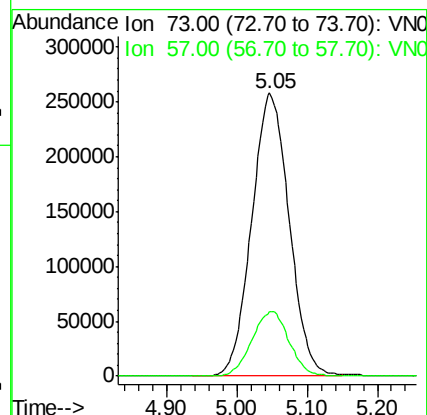
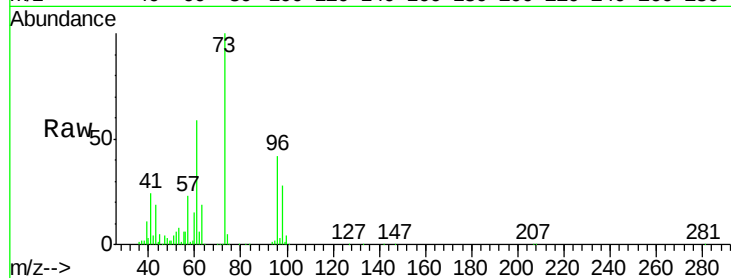




#19
Methyl tert-butyl Ether
Concen: 21.44 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

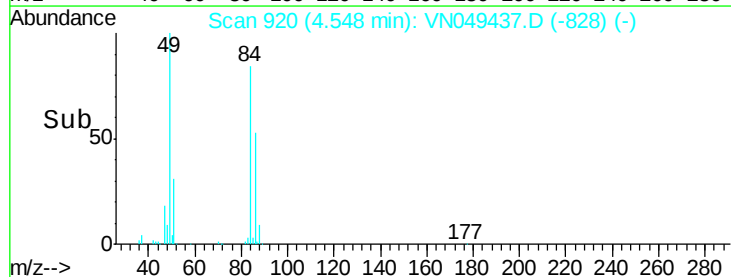
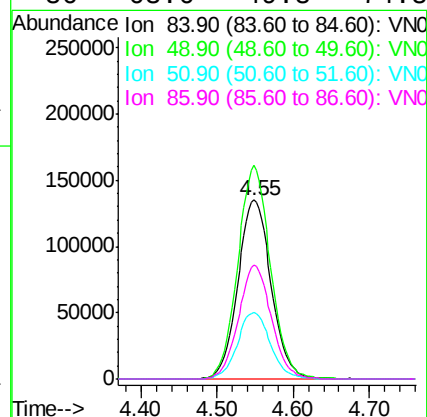
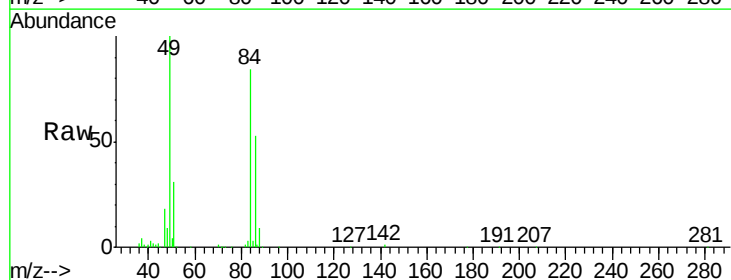
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 956592
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4



#20
Methylene Chloride
Concen: 19.99 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion: 84 Resp: 410441
Ion Ratio Lower Upper
84 100
49 119.2 106.9 160.3
51 37.0 32.7 49.1
86 63.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.97 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

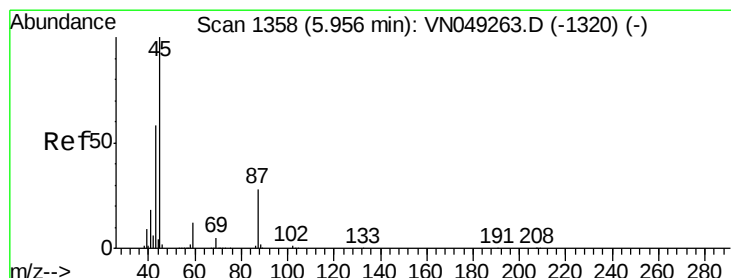
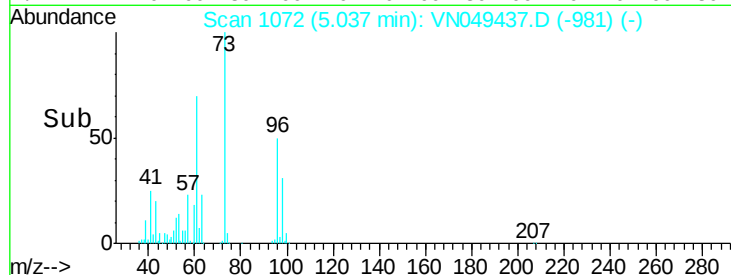
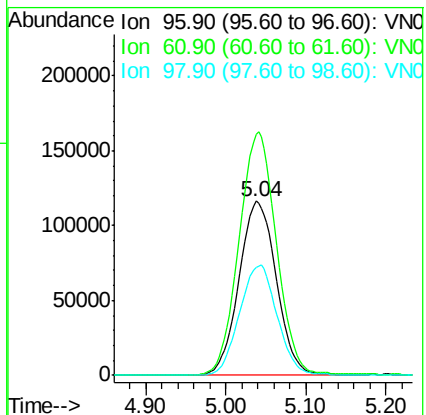
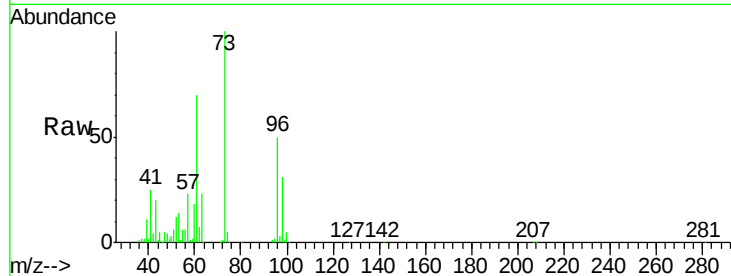
Tot Ion: 96 Resp: 370140

Ion Ratio Lower Upper

96 100

61 138.7 121.3 181.9

98 62.2 52.0 78.0



#22

Diisopropyl ether

Concen: 21.27 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Tgt Ion: 45 Resp: 1173902

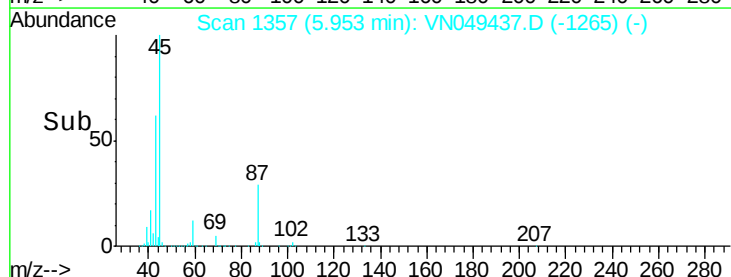
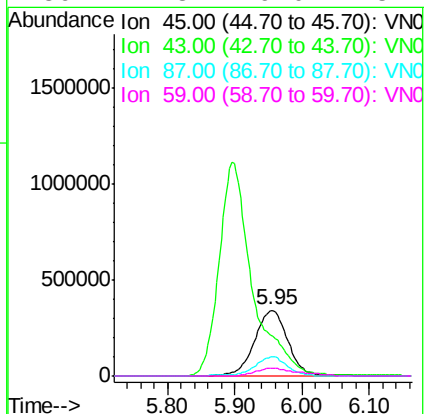
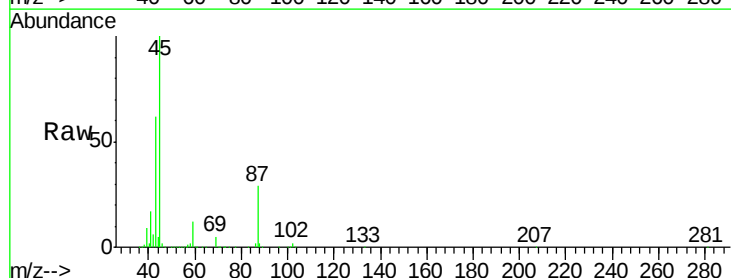
Ion Ratio Lower Upper

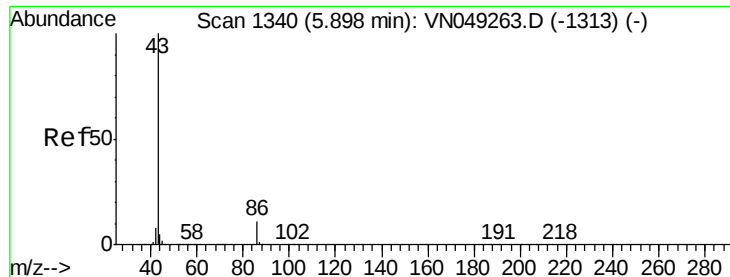
45 100

43 61.7 48.6 72.8

87 28.3 20.2 30.2

59 11.8 9.0 13.4

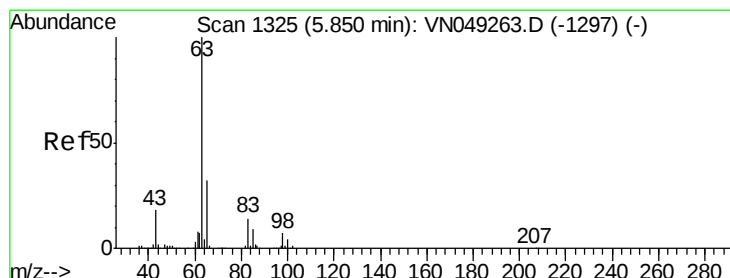
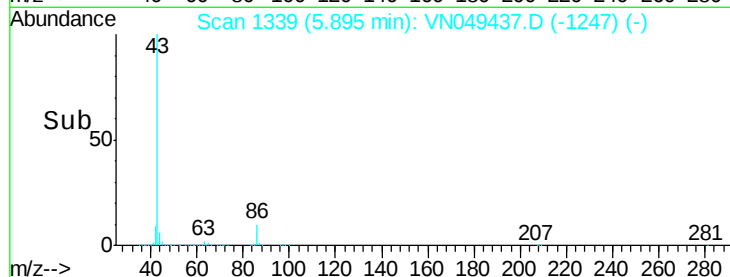
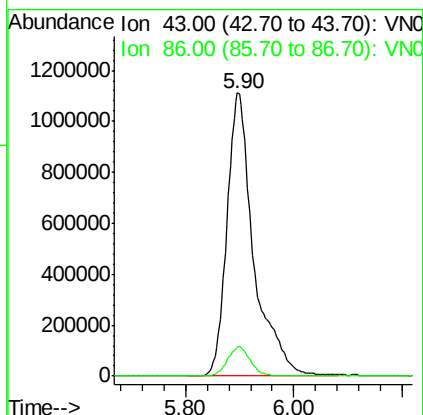
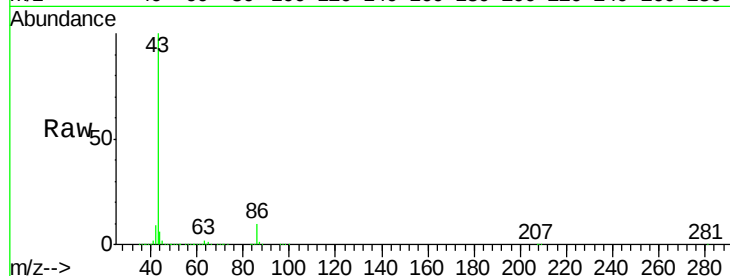




#23
 Vinyl Acetate
 Concen: 106.85 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

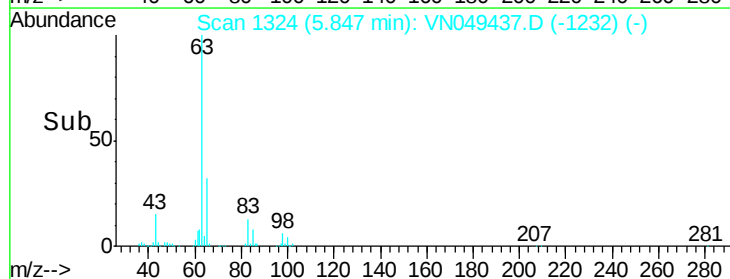
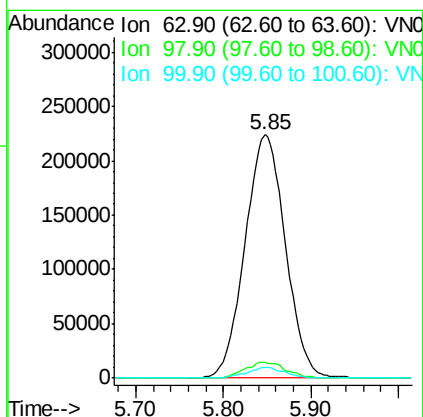
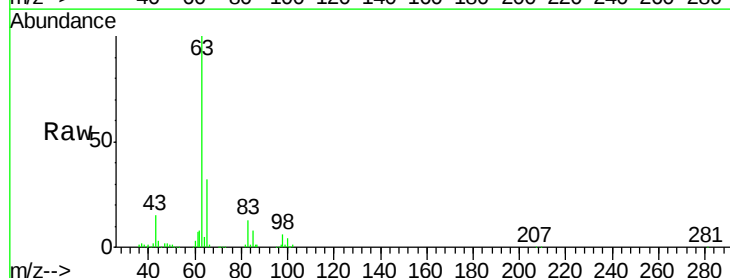
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 3844195
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 20.25 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion: 63 Resp: 715398
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.8
 100 4.4 2.1 6.3





#25

2-Butanone

Concen: 112.05 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

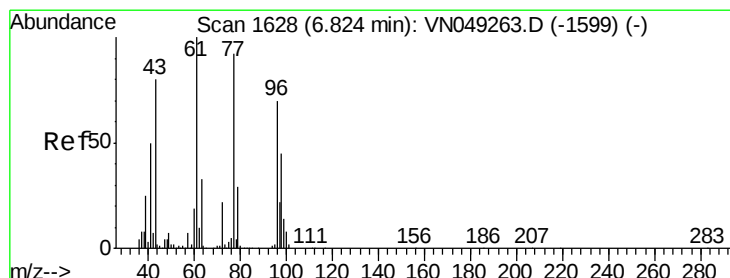
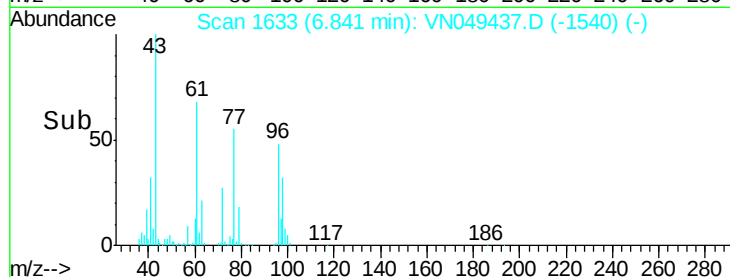
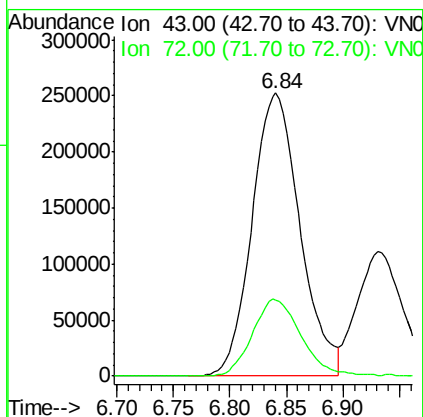
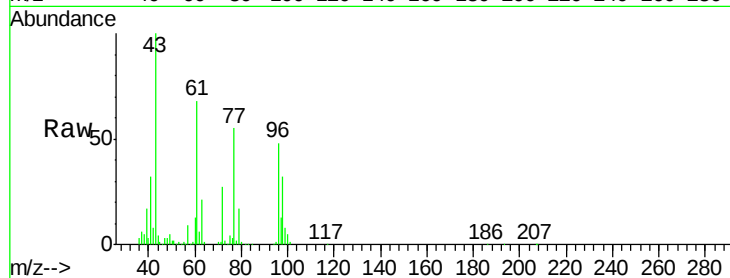
ClientSampled :

Tot Ion: 43 Resp: 739685

Ion Ratio Lower Upper

43 100

72 27.1 20.2 30.2



#26

2,2-Dichloropropane

Concen: 21.07 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049437.D

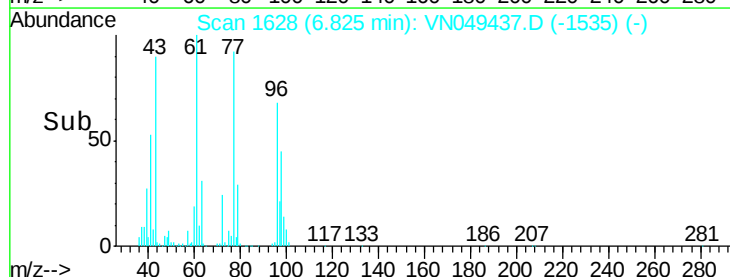
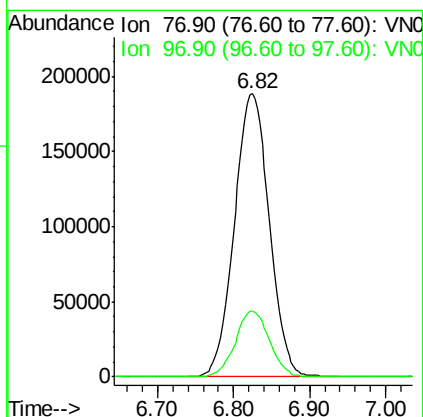
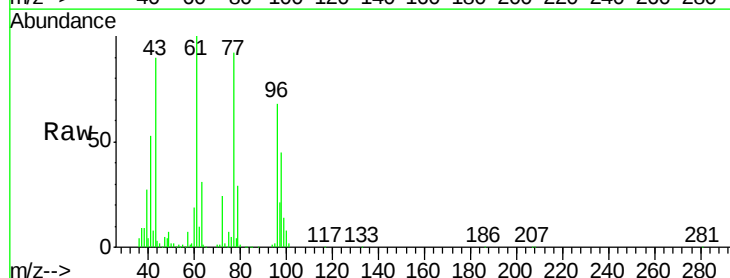
Acq: 20 Jun 2018 15:22

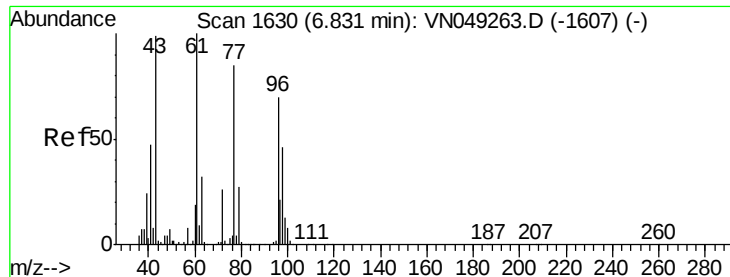
Tgt Ion: 77 Resp: 601044

Ion Ratio Lower Upper

77 100

97 22.8 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 20.42 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

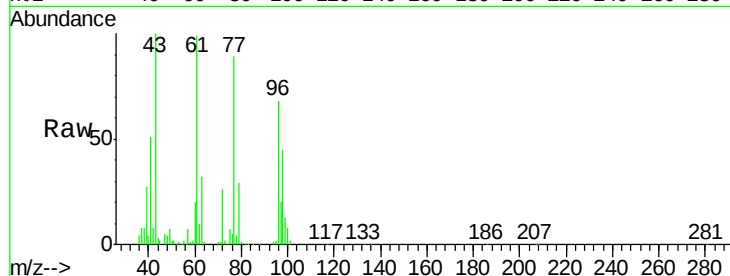
Tot Ion: 96 Resp: 420691

Ion Ratio Lower Upper

96 100

61 145.5 0.0 316.4

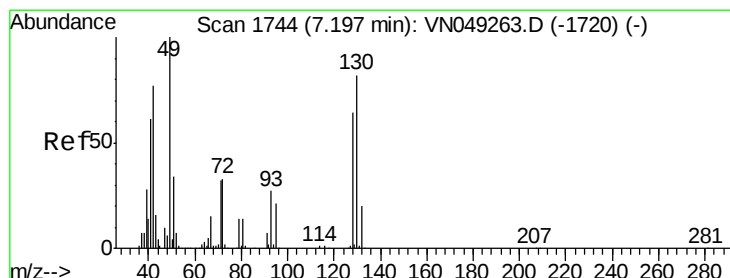
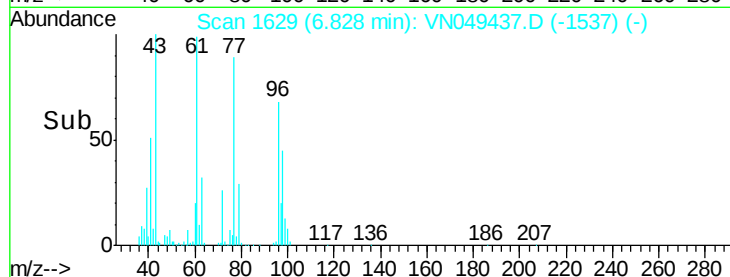
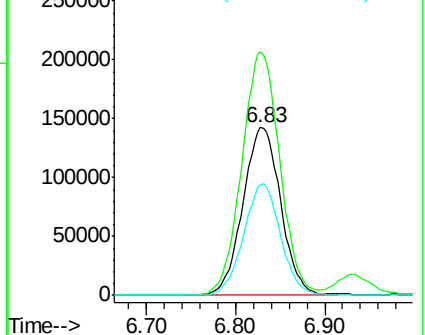
98 65.0 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN049437.D (-1537) (-)

Ion 60.90 (60.60 to 61.60): VN049437.D (-1537) (-)

Ion 97.90 (97.60 to 98.60): VN049437.D (-1537) (-)



#28

Bromochloromethane

Concen: 18.28 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

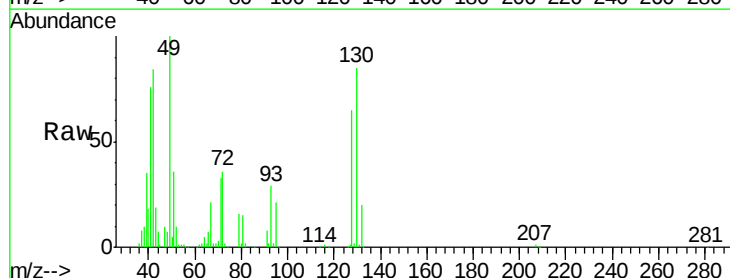
Tgt Ion: 49 Resp: 286267

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

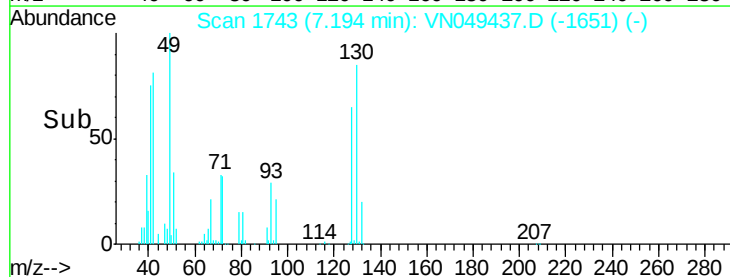
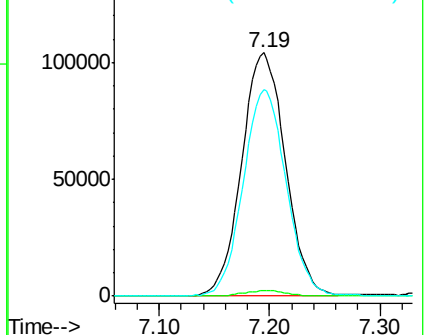
130 83.2 54.9 82.3#

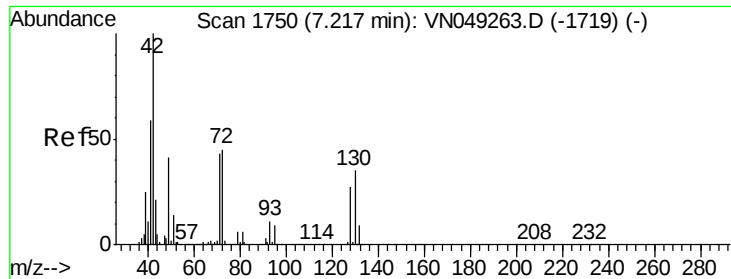


Abundance Ion 48.90 (48.60 to 49.60): VN049437.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN049437.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN049437.D (-1651) (-)





#29

Tetrahydrofuran

Concen: 108.32 ug/l

RT: 7.21 min Scan# 1749

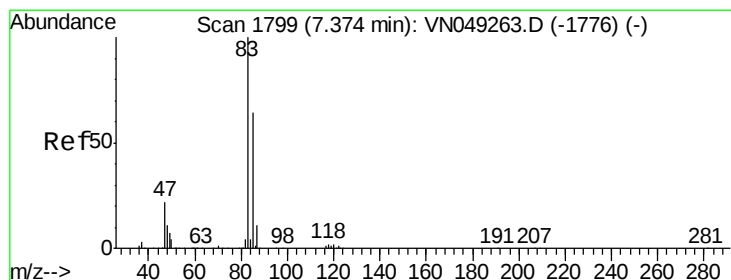
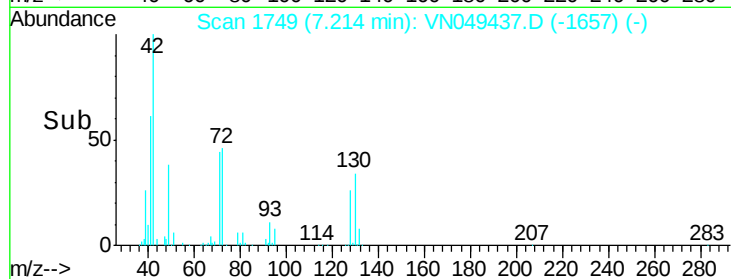
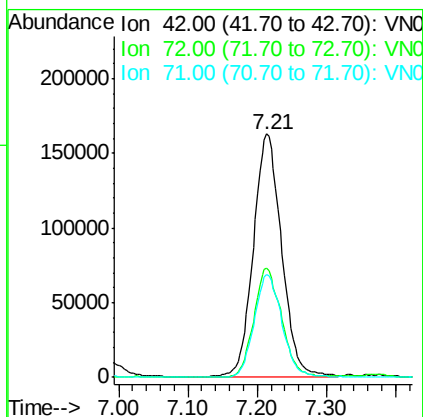
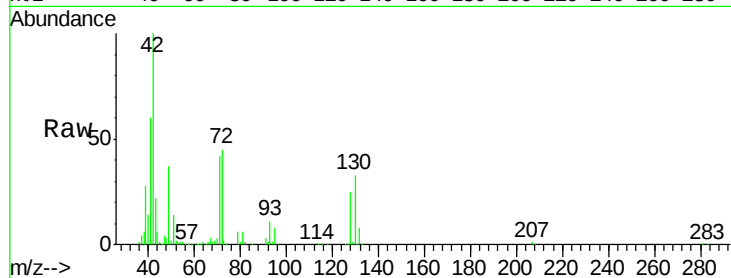
Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	42	Resp:	460292
Ion	Ratio	Lower	Upper
42	100		
72	44.0	32.2	48.4
71	41.5	30.5	45.7



#30

Chloroform

Concen: 20.51 ug/l

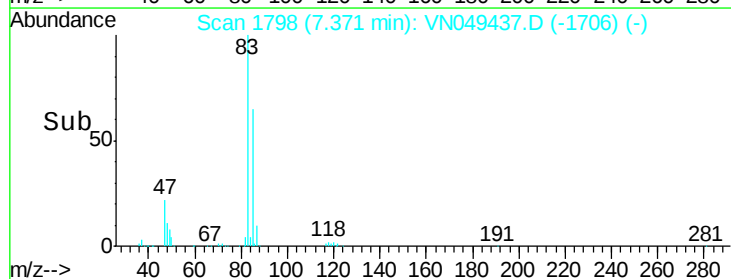
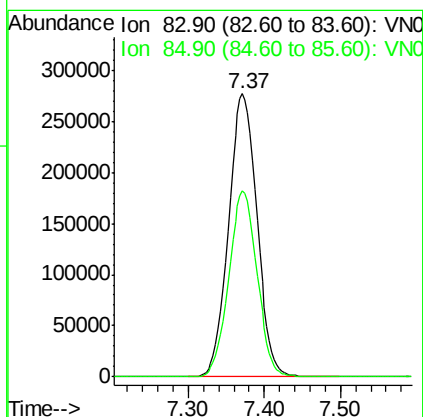
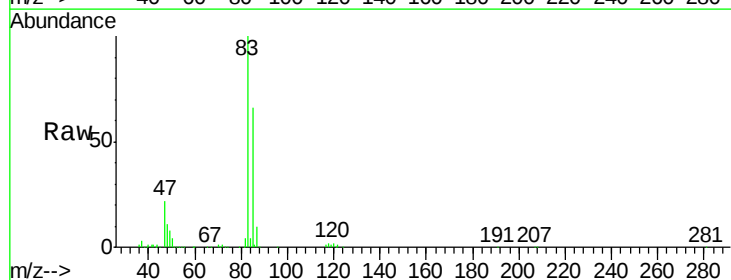
RT: 7.37 min Scan# 1798

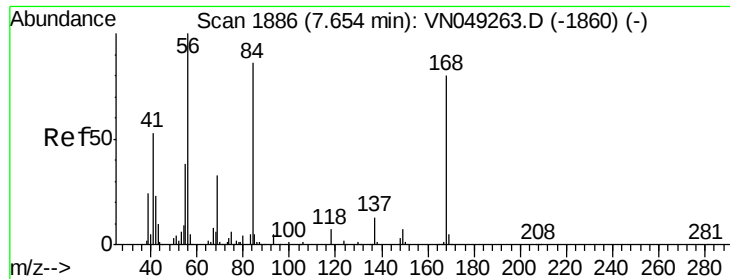
Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Tgt Ion:	83	Resp:	720993
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.7	77.5

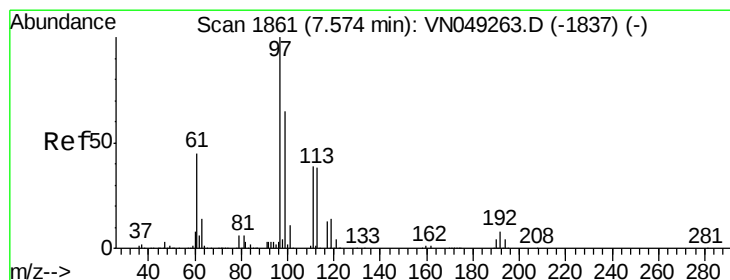
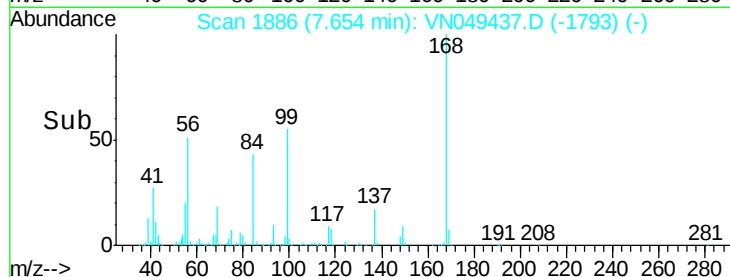
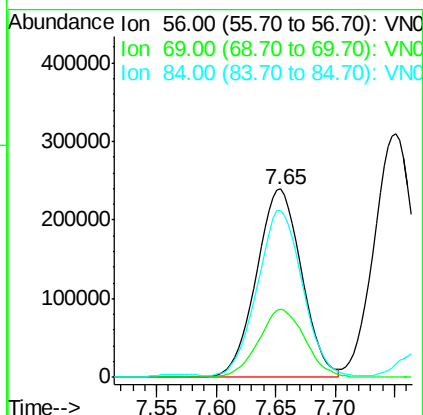
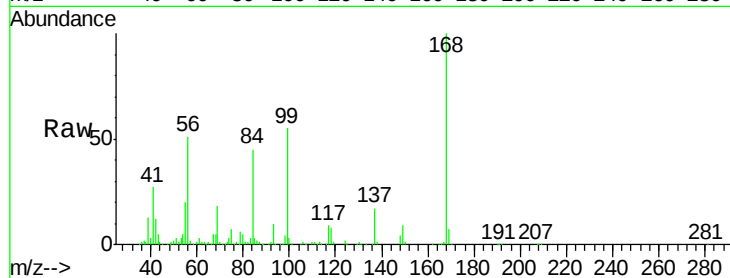




#31
Cyclohexane
Concen: 20.93 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

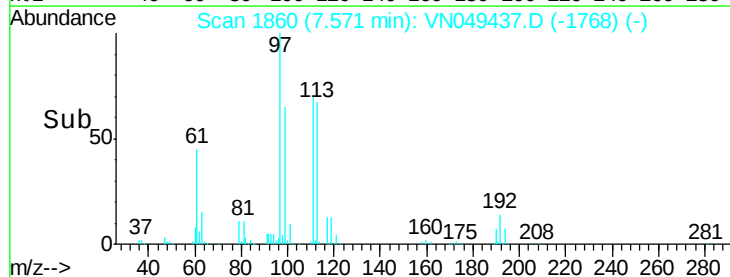
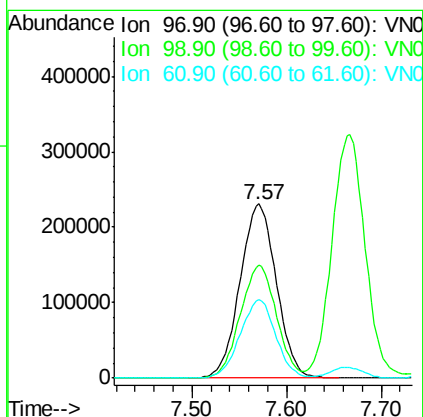
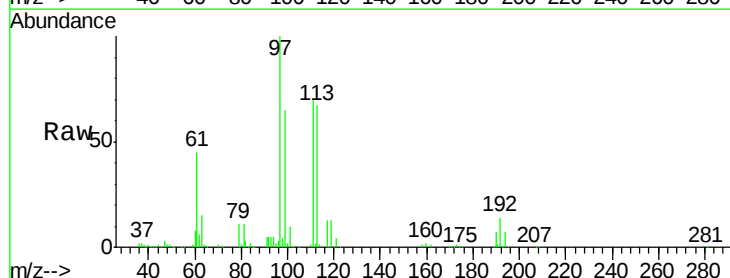
Instrument :
MSVOA_N
ClientSampled :

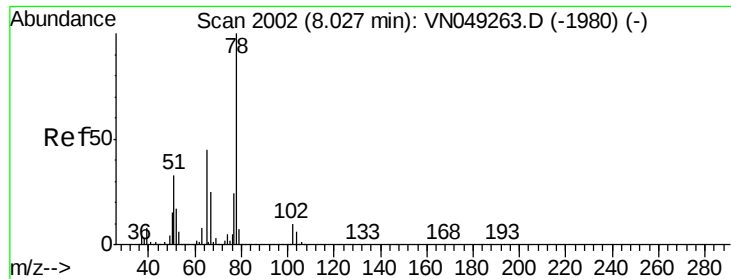
Tot Ion: 56 Resp: 629974
Ion Ratio Lower Upper
56 100
69 36.0 25.0 37.4
84 86.7 64.6 96.8



#32
1,1,1-Trichloroethane
Concen: 20.56 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion: 97 Resp: 616598
Ion Ratio Lower Upper
97 100
99 64.4 50.5 75.7
61 44.3 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 43.44 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

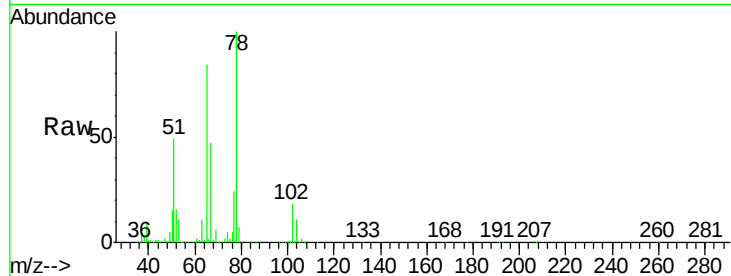
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 879596

Ion Ratio Lower Upper

65 100

67 54.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049437.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049437.D (-1909) (-)

8.03

400000

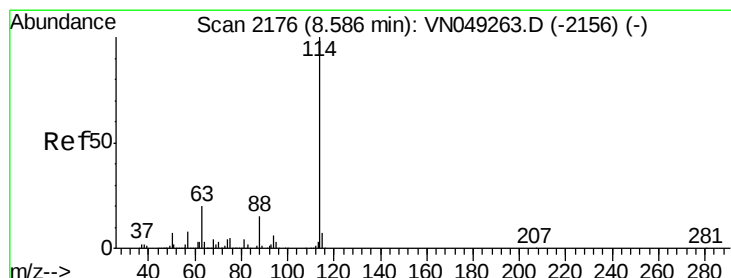
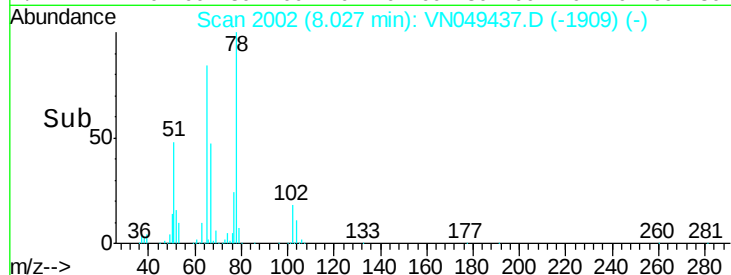
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

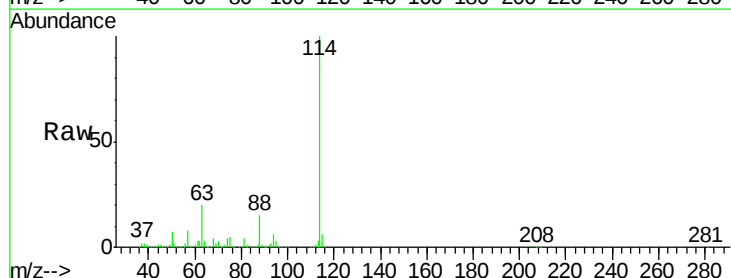
Tgt Ion:114 Resp: 2254577

Ion Ratio Lower Upper

114 100

63 20.0 0.0 44.4

88 15.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049437.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049437.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049437.D (-2083) (-)

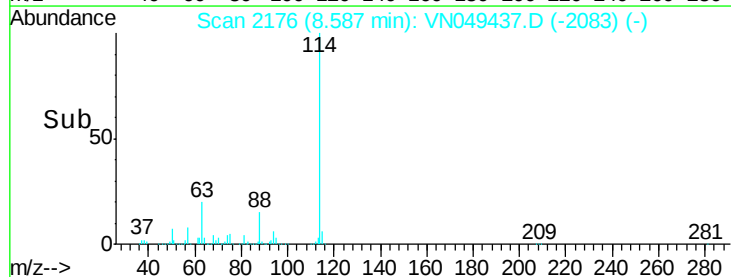
8.59

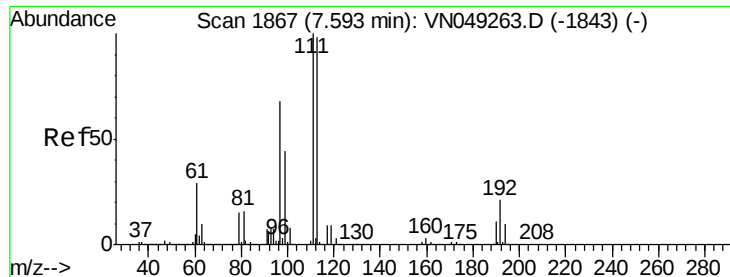
1000000

500000

0

Time-->

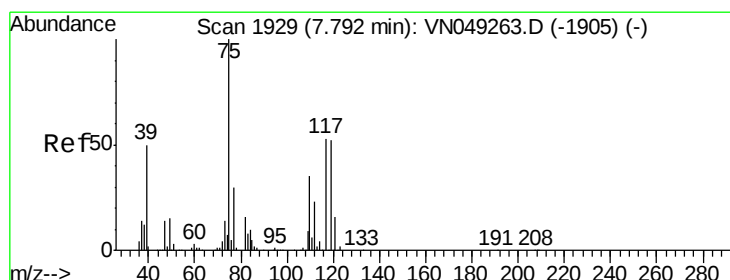
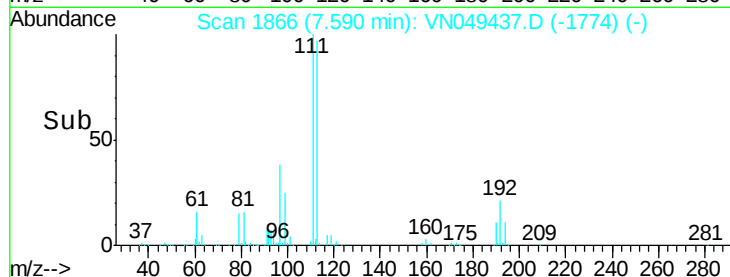
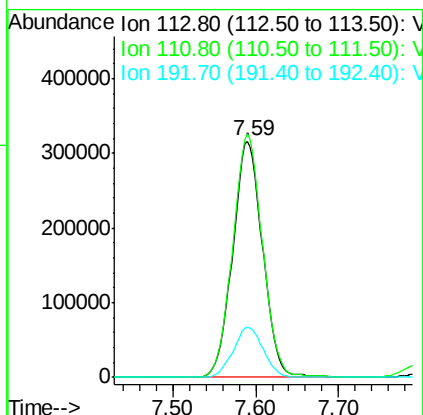
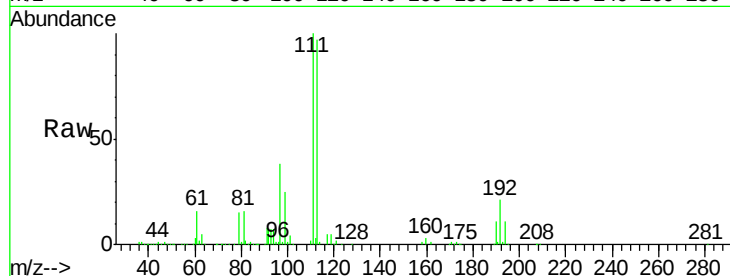




#35
 Dibromofluoromethane
 Concen: 43.56 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

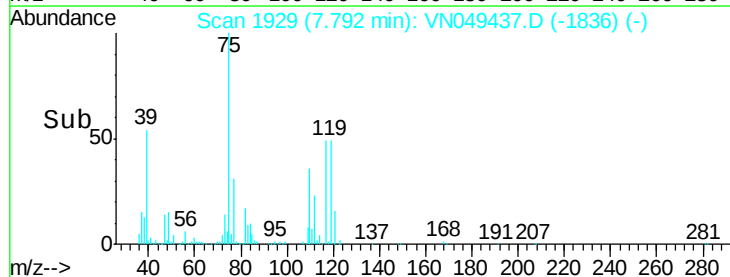
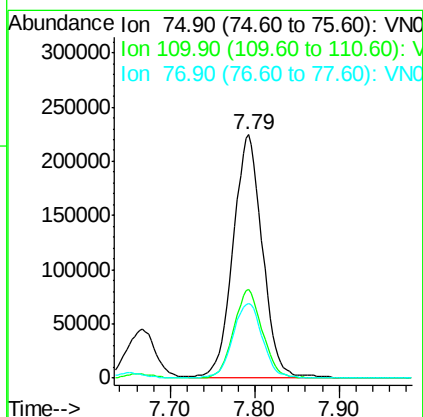
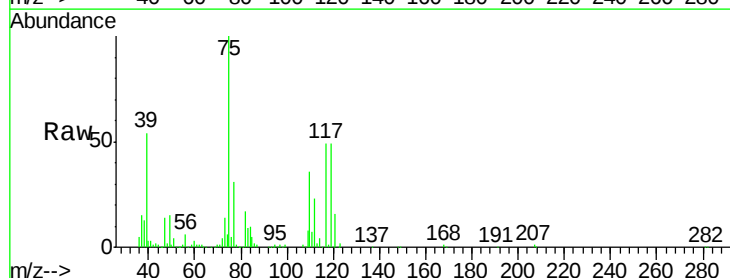
Instrument :
 MSVOA_N
 ClientSampled :

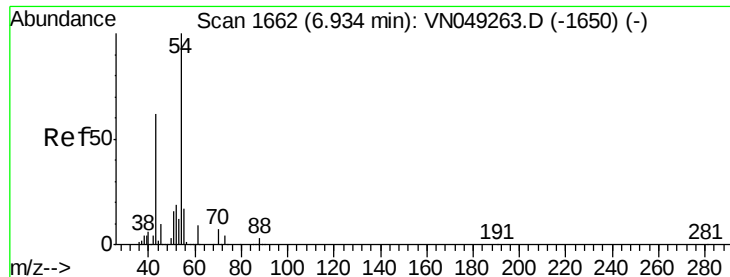
Tot Ion:113 Resp: 794641
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.4 123.6
 192 21.4 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 20.99 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion: 75 Resp: 542370
 Ion Ratio Lower Upper
 75 100
 110 35.8 17.0 50.9
 77 31.3 24.4 36.6

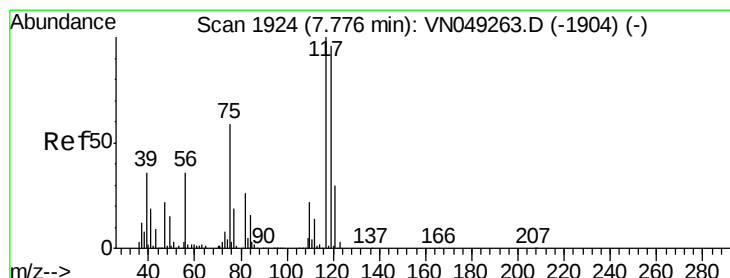
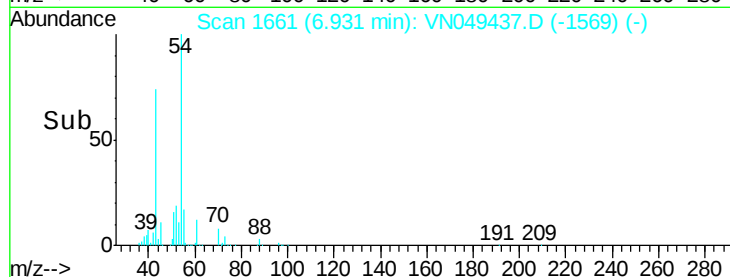
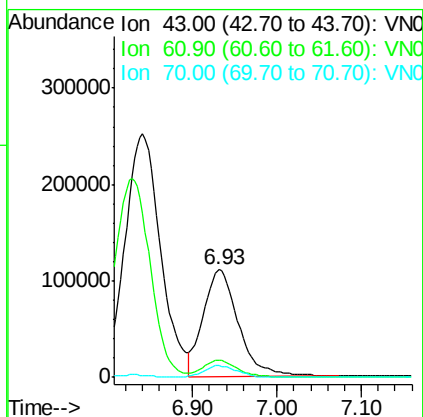
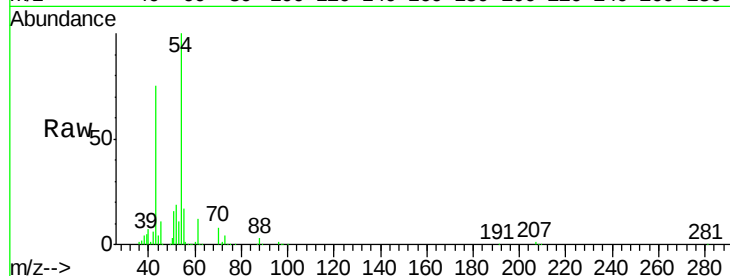




#37
Ethyl Acetate
Concen: 22.86 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

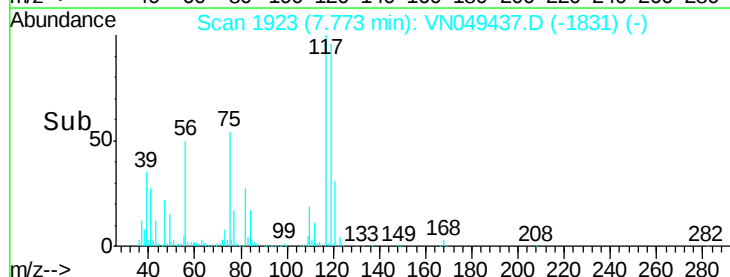
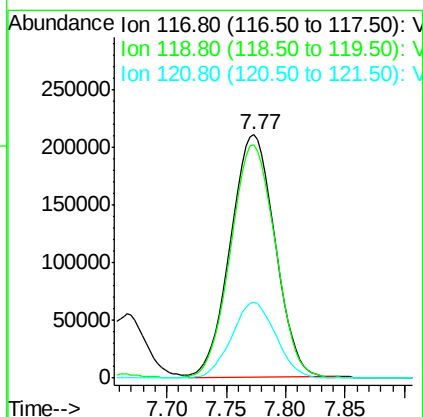
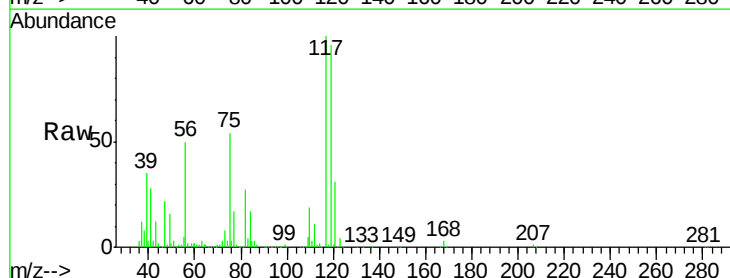
Instrument :
MSVOA_N
ClientSampled :

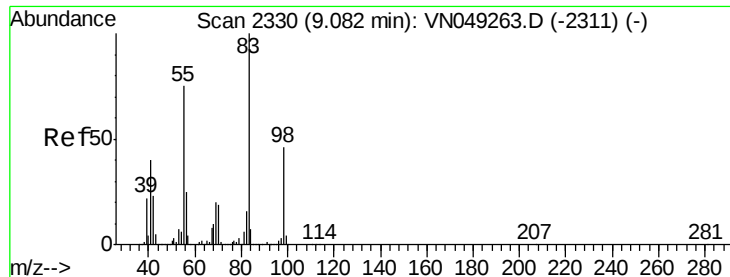
Tot Ion: 43 Resp: 321117
Ion Ratio Lower Upper
43 100
61 14.3 11.0 16.4
70 9.8 7.2 10.8



#38
Carbon Tetrachloride
Concen: 20.41 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion: 117 Resp: 545914
Ion Ratio Lower Upper
117 100
119 95.7 75.6 113.4
121 31.2 24.7 37.1

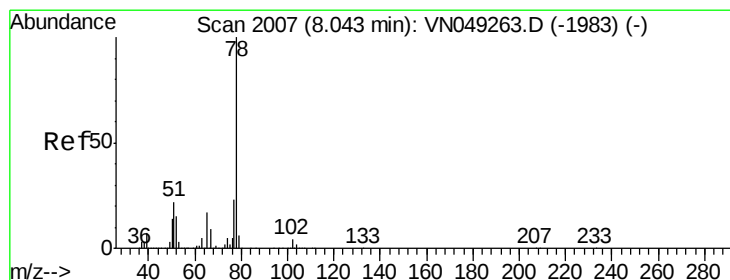
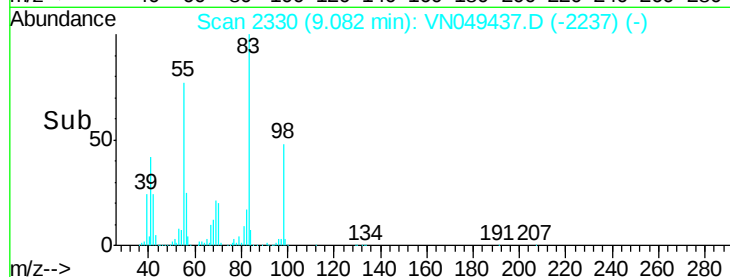
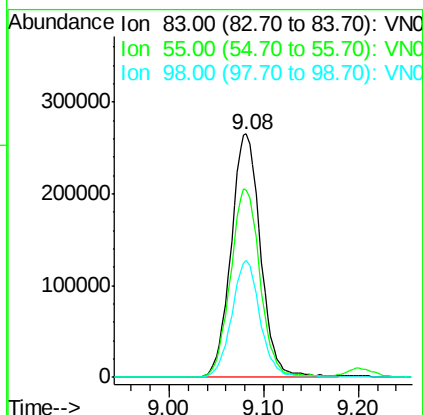
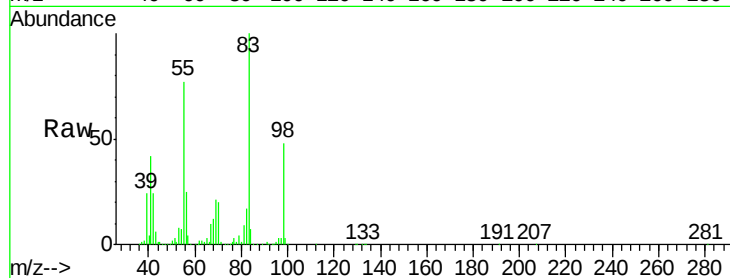




#39
Methvlcvclohexane
Concen: 20.77 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

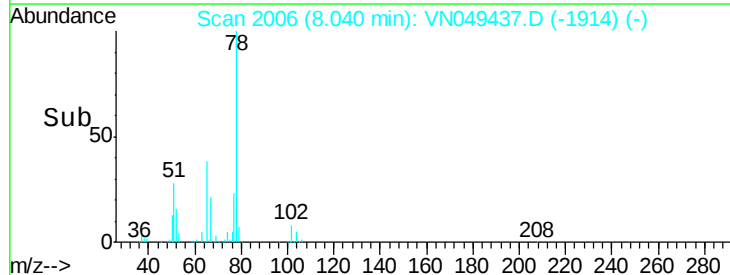
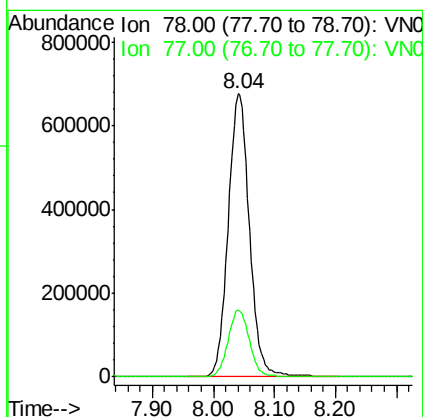
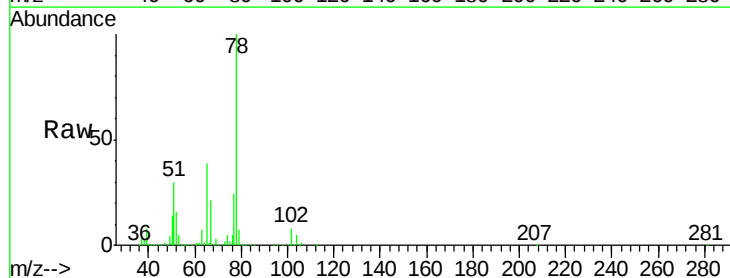
Instrument :
MSVOA_N
ClientSampleId :

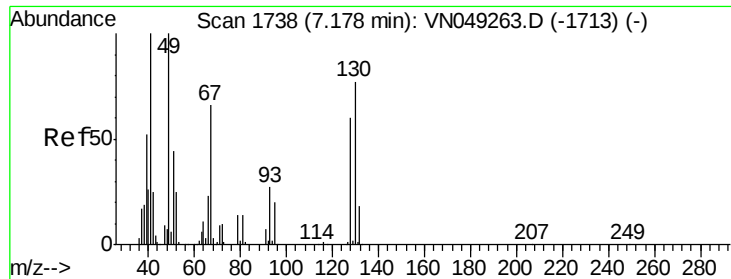
Tot Ion: 83 Resp: 576121
Ion Ratio Lower Upper
83 100
55 77.0 65.1 97.7
98 48.2 36.5 54.7



#40
Benzene
Concen: 20.61 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion: 78 Resp: 1632842
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0

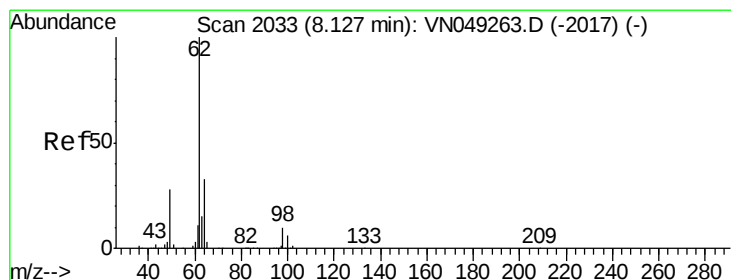
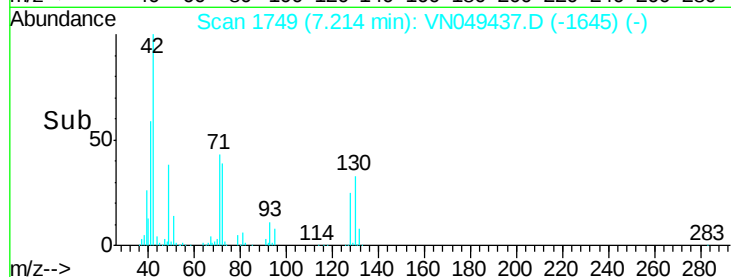
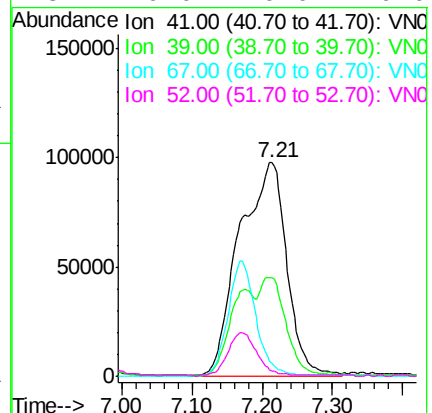
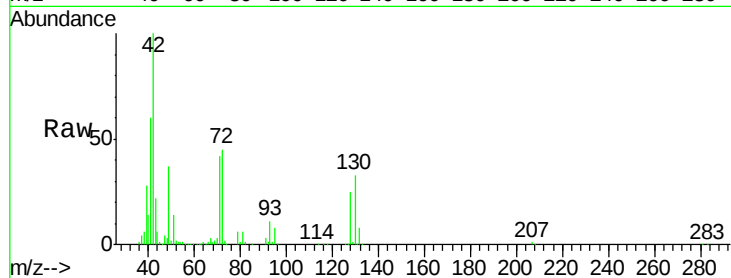




#41
Methacrylonitrile
Concen: 59.72 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.04 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

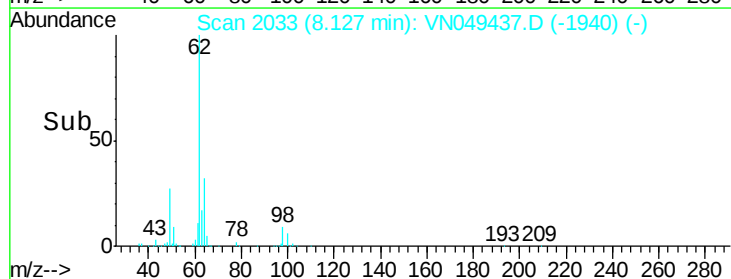
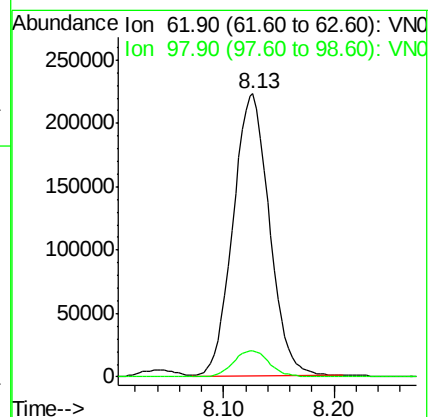
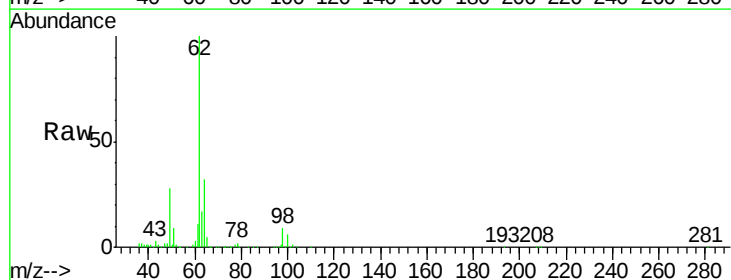
Instrument :
MSVOA_N
ClientSampled :

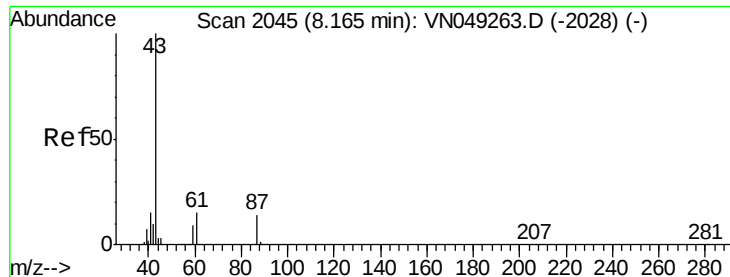
Tot Ion:	41	Resp:	453532
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 20.80 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion:	62	Resp:	509089
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 24.12 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

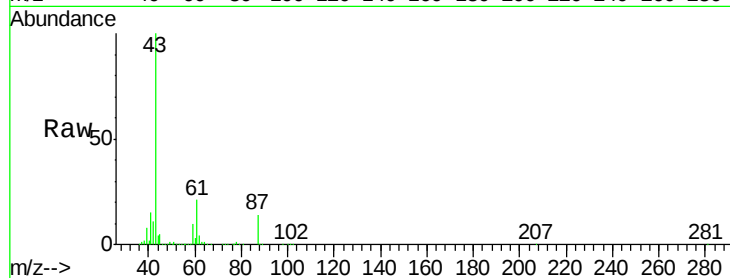
Tot Ion: 43 Resp: 647291

Ion Ratio Lower Upper

43 100

61 17.9 14.2 21.4

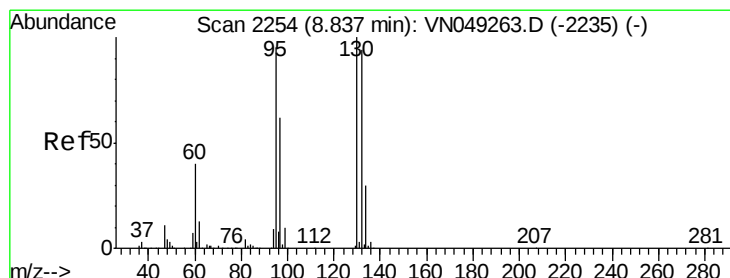
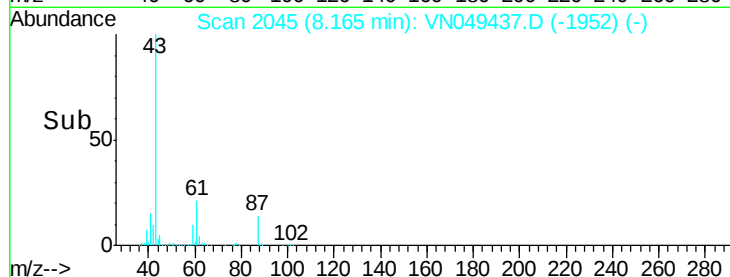
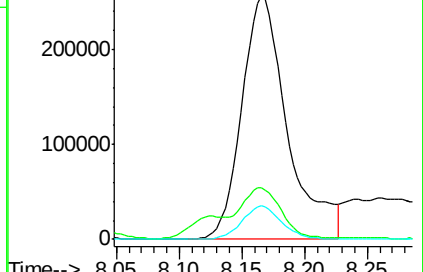
87 12.0 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049437.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049437.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049437.D (-1952) (-)



#44

Trichloroethene

Concen: 20.91 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049437.D

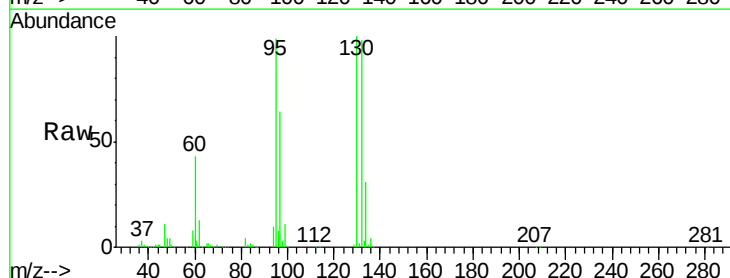
Acq: 20 Jun 2018 15:22

Tgt Ion:130 Resp: 437388

Ion Ratio Lower Upper

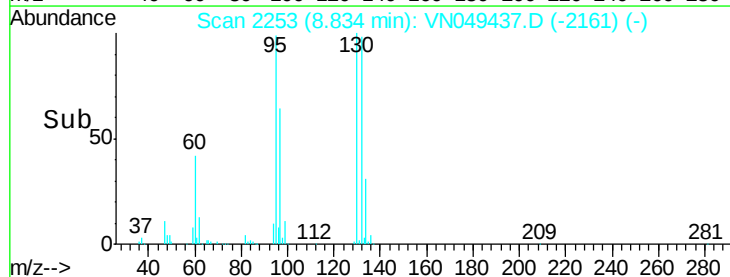
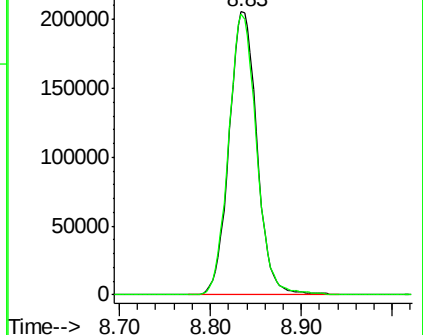
130 100

95 99.0 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049437.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049437.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 20.55 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

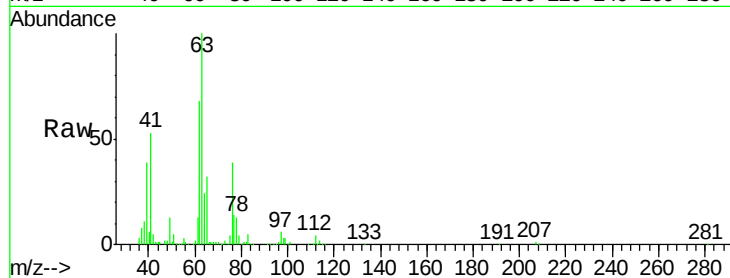
ClientSampled :

Tot Ion: 63 Resp: 426169

Ion Ratio Lower Upper

63 100

65 32.3 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN049437.D (-2249) (-)

Ion 64.90 (64.60 to 65.60): VN049437.D (-2249) (-)

9.12

200000

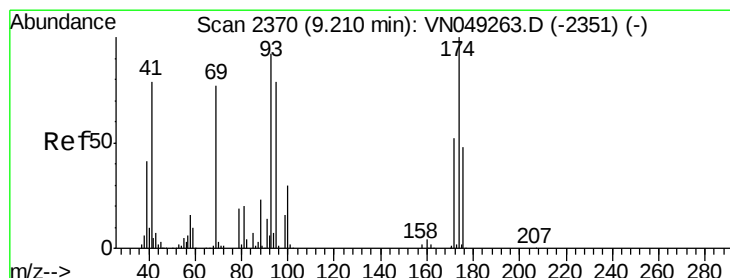
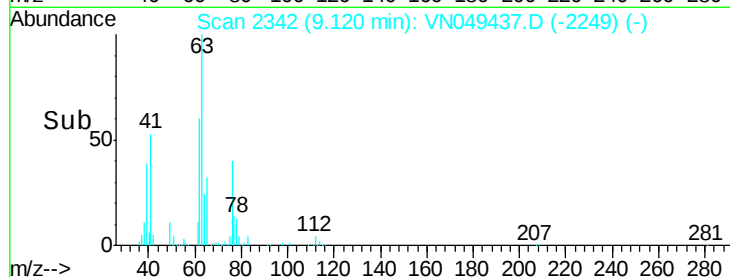
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 20.89 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

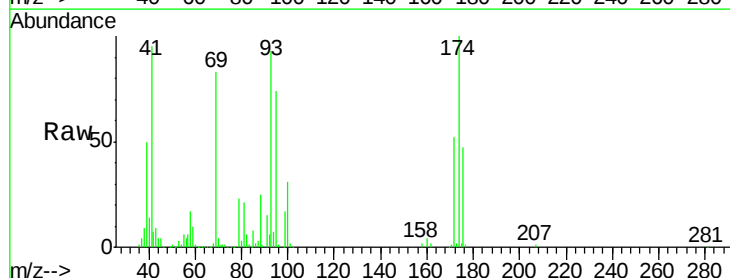
Tgt Ion: 93 Resp: 251228

Ion Ratio Lower Upper

93 100

95 82.0 67.2 100.8

174 111.4 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN049437.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN049437.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN049437.D (-2277) (-)

9.21

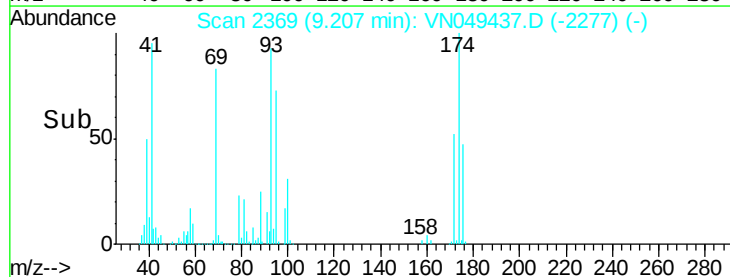
150000

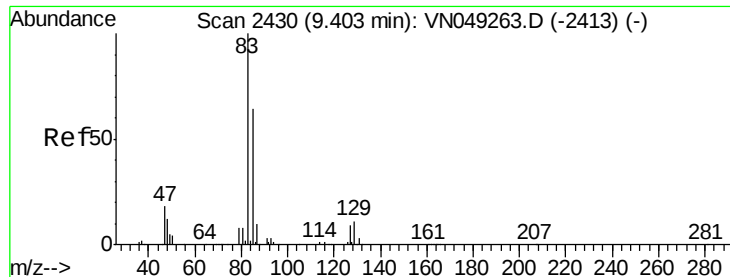
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 20.98 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :

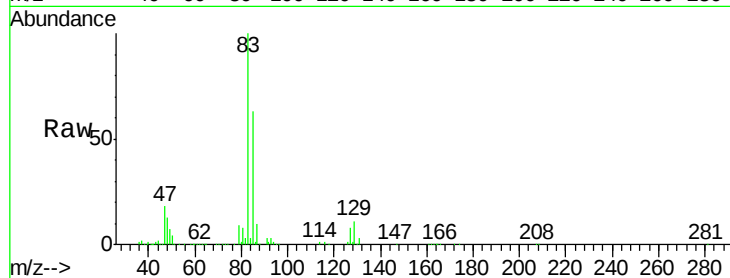
Tot Ion: 83 Resp: 554389

Ion Ratio Lower Upper

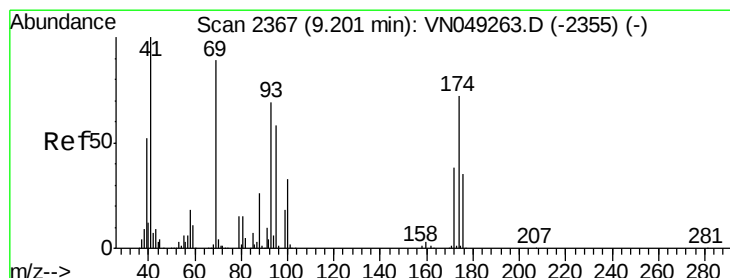
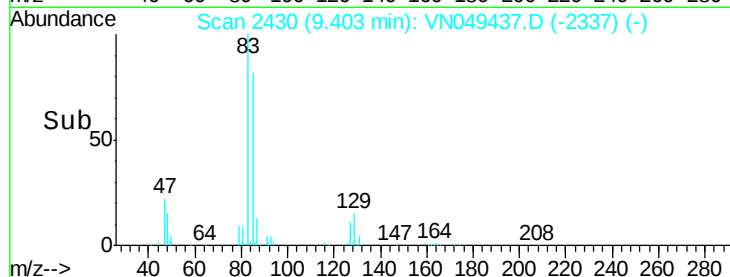
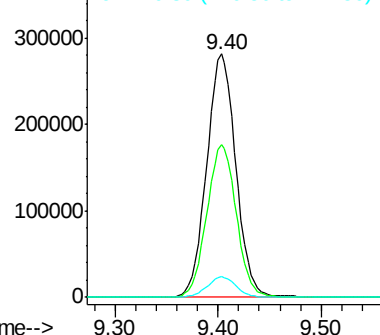
83 100

85 62.9 49.4 74.0

127 8.5 6.3 9.5



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



#48

Methyl methacrylate

Concen: 22.16 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

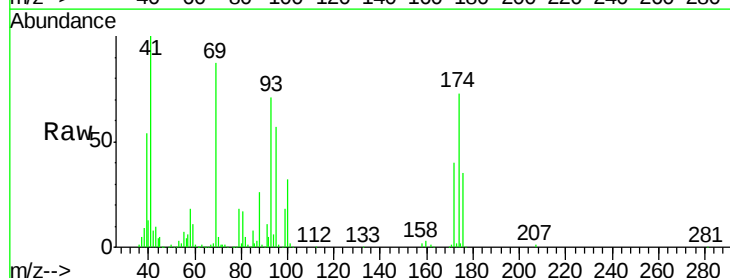
Tgt Ion: 41 Resp: 280052

Ion Ratio Lower Upper

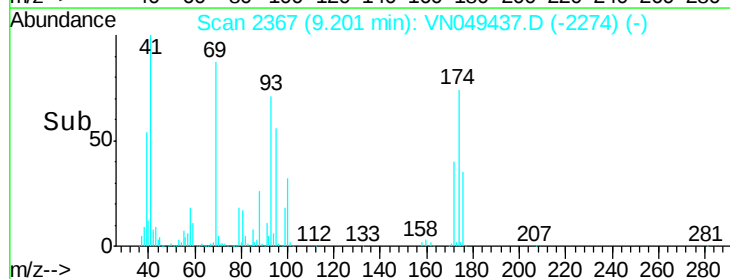
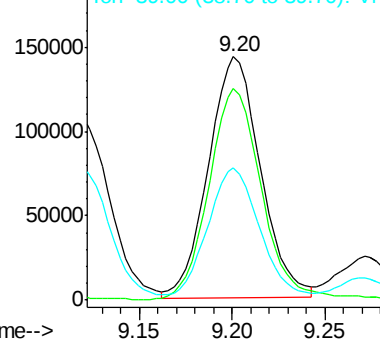
41 100

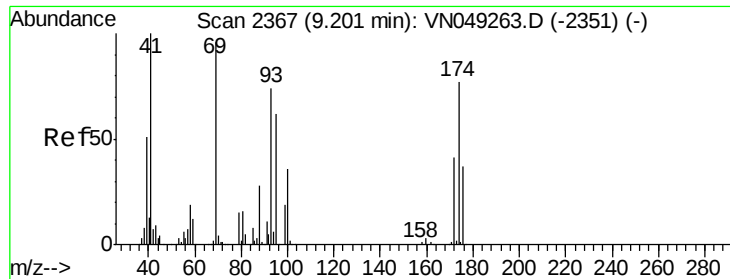
69 87.9 62.0 93.0

39 54.9 50.6 75.8



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

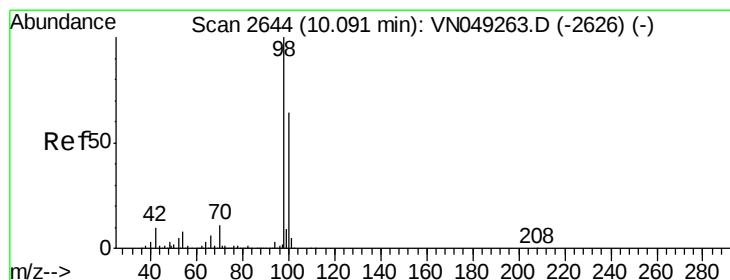
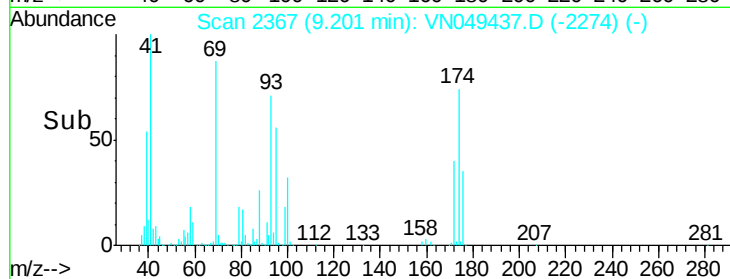
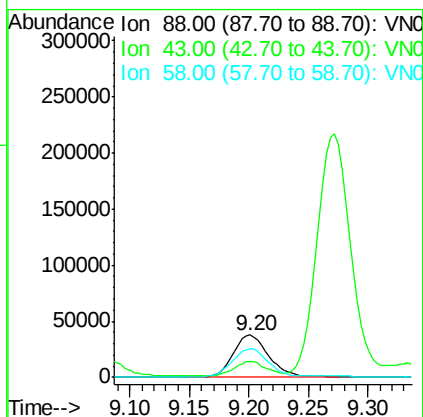
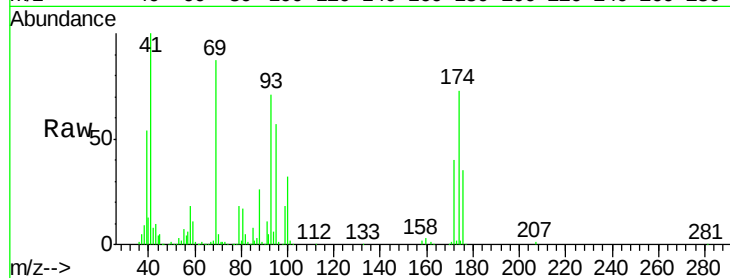




#49
 1,4-Dioxane
 Concen: 453.64 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

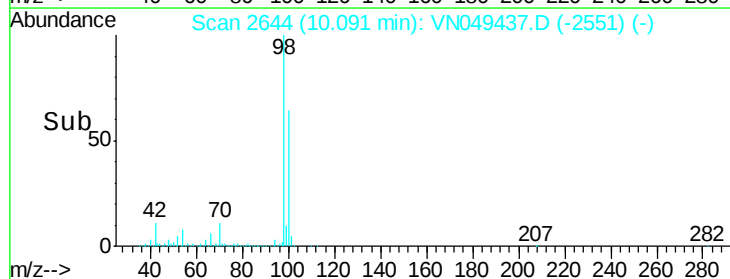
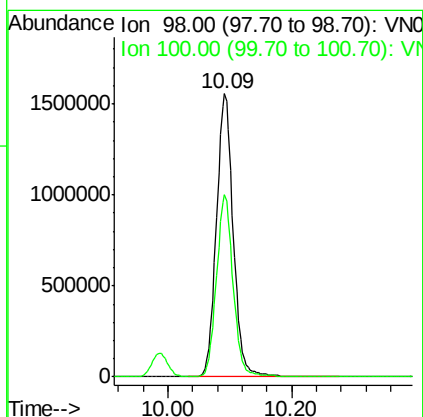
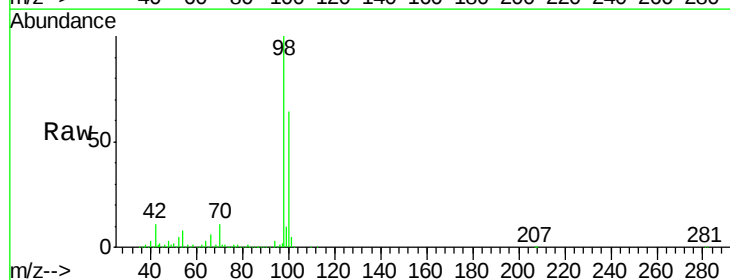
Instrument :
 MSVOA_N
 ClientSampled :

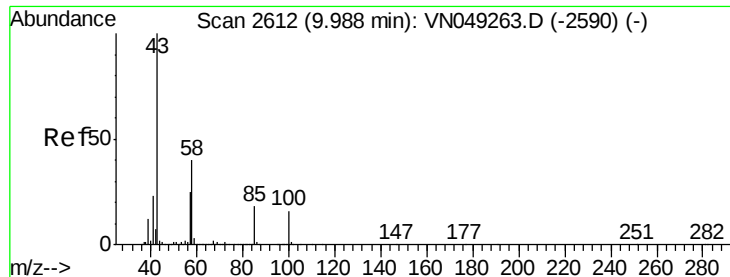
Tot Ion: 88 Resp: 79135
 Ion Ratio Lower Upper
 88 100
 43 30.9 30.9 46.3#
 58 68.8 58.9 88.3



#50
 Toluene-d8
 Concen: 42.33 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion: 98 Resp: 2940240
 Ion Ratio Lower Upper
 98 100
 100 63.8 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 112.41 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

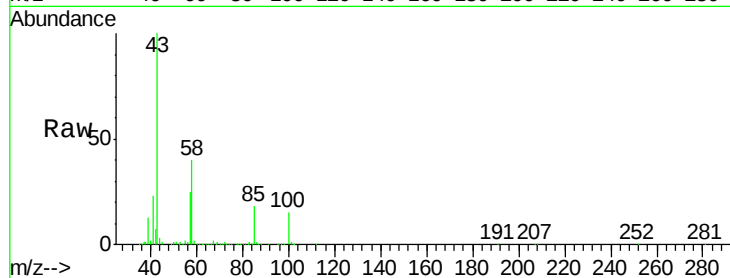
ClientSampleId :

Tot Ion: 43 Resp: 1581197

Ion Ratio Lower Upper

43 100

58 39.6 29.0 43.6



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

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

9.99

800000

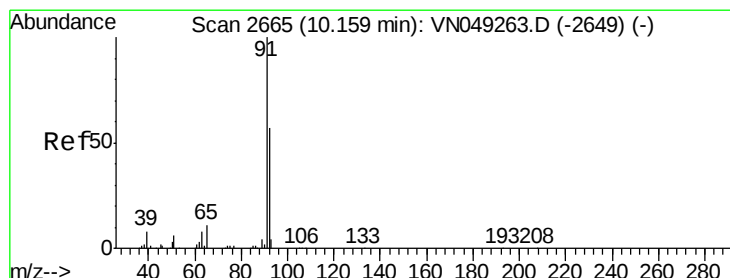
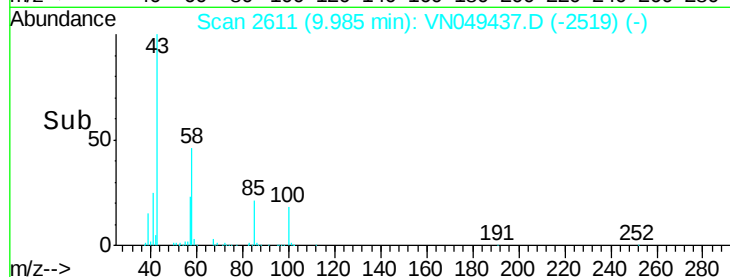
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 21.44 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049437.D

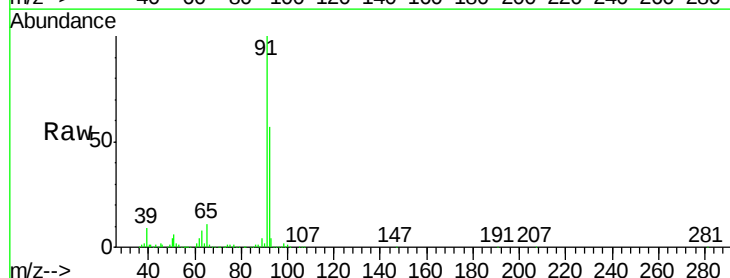
Acq: 20 Jun 2018 15:22

Tgt Ion: 92 Resp: 996759

Ion Ratio Lower Upper

92 100

91 177.6 143.4 215.2



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

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

10.16

1000000

800000

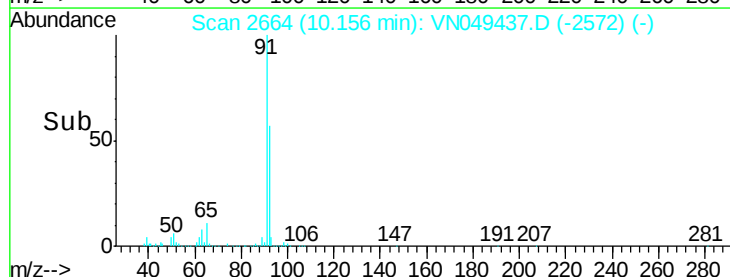
600000

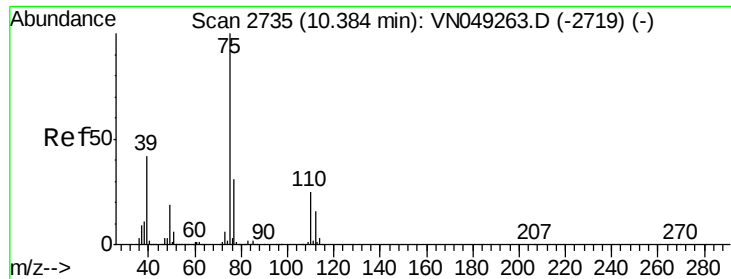
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.21 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

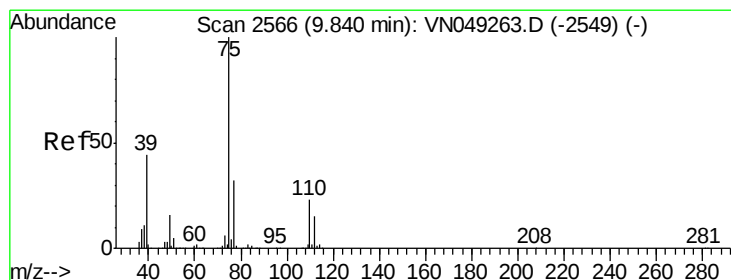
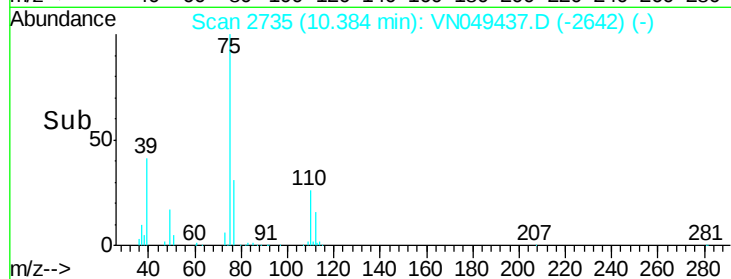
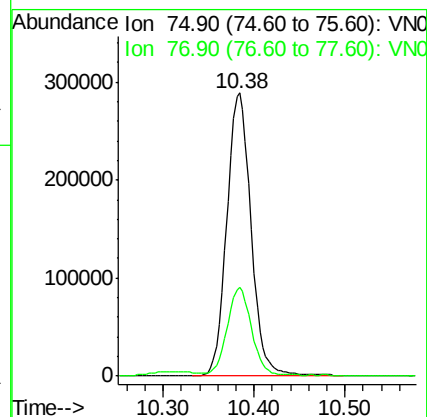
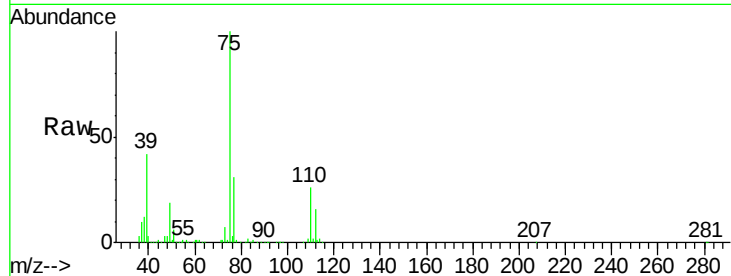
ClientSampleId :

Tot Ion: 75 Resp: 536261

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.84 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

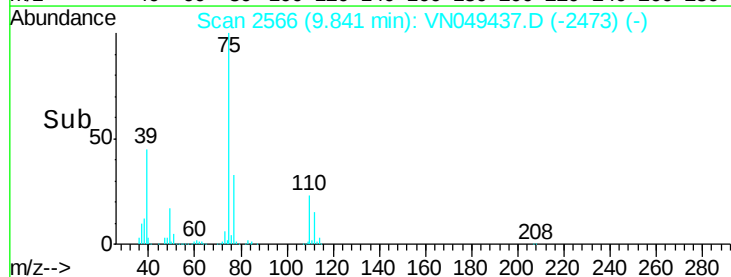
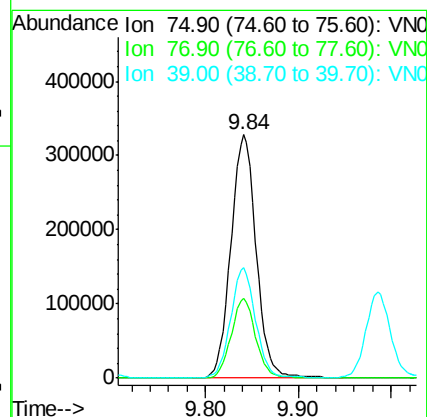
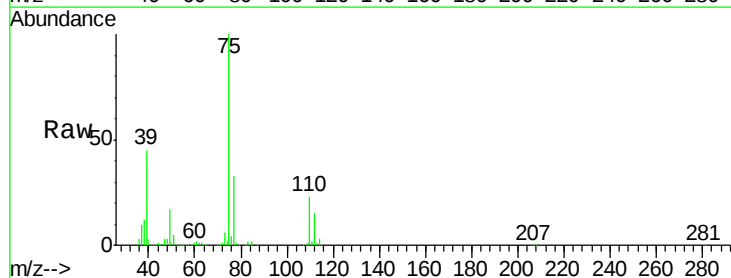
Tgt Ion: 75 Resp: 622132

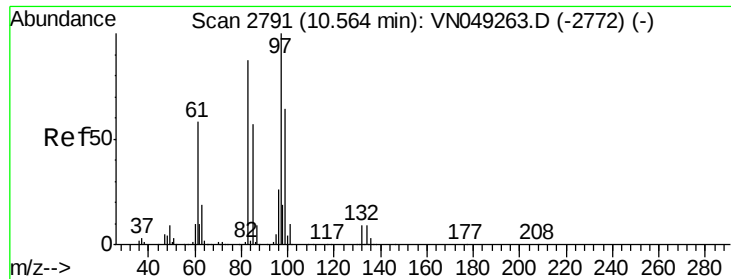
Ion Ratio Lower Upper

75 100

77 32.7 24.8 37.2

39 45.1 45.1 67.7

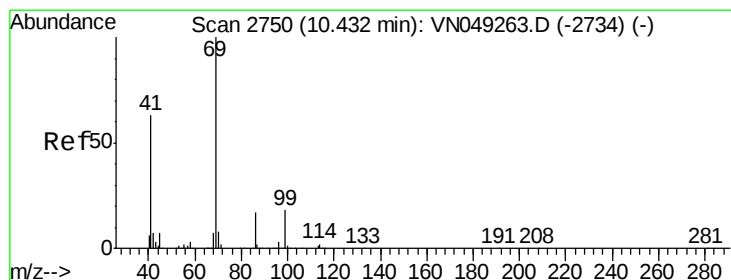
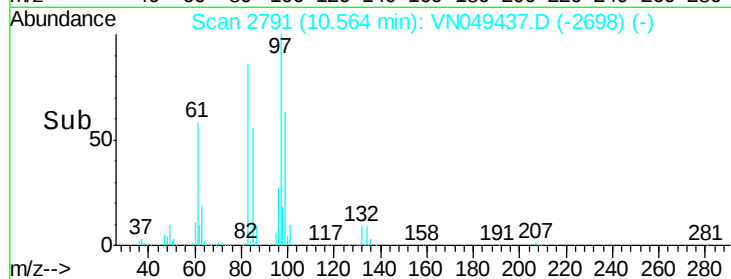
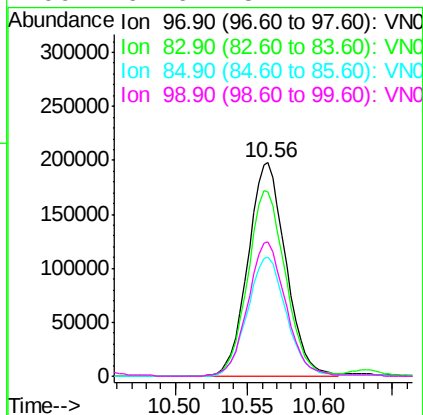
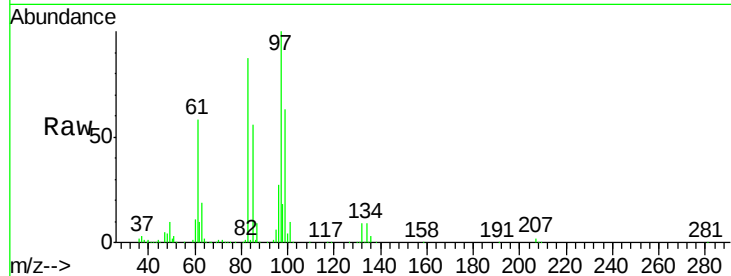




#55
 1,1,2-Trichloroethane
 Concen: 20.70 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

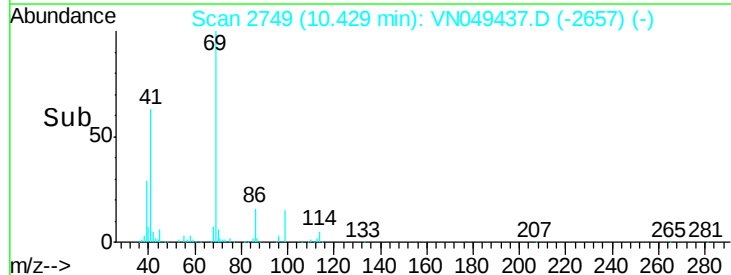
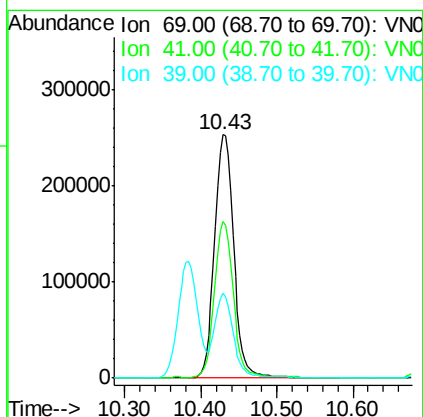
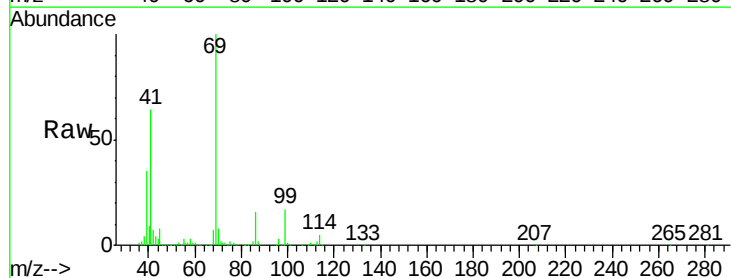
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	358832
Ion	Ratio	Lower	Upper
97	100		
83	86.6	71.5	107.3
85	55.9	47.0	70.4
99	62.6	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 22.09 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion:	69	Resp:	441772
Ion	Ratio	Lower	Upper
69	100		
41	62.2	58.4	87.6
39	32.8	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 21.00 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

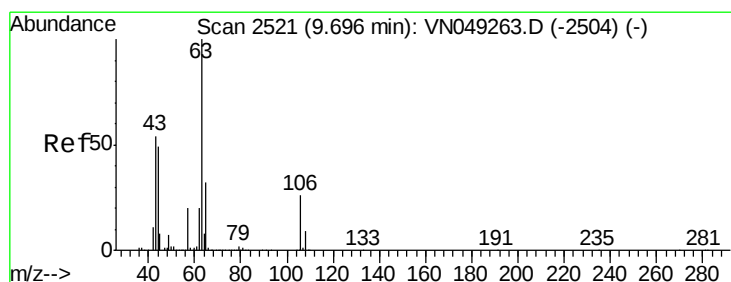
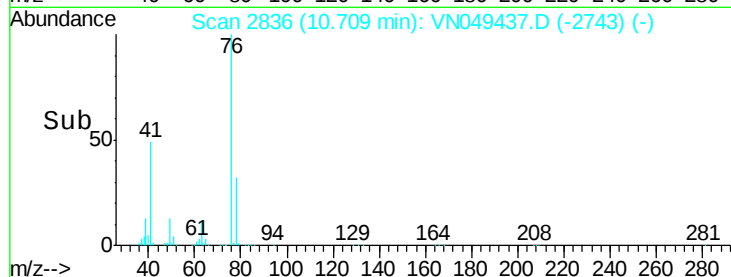
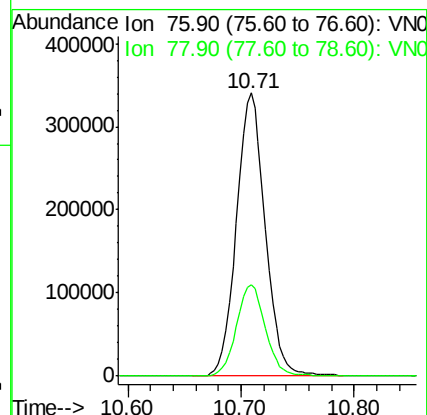
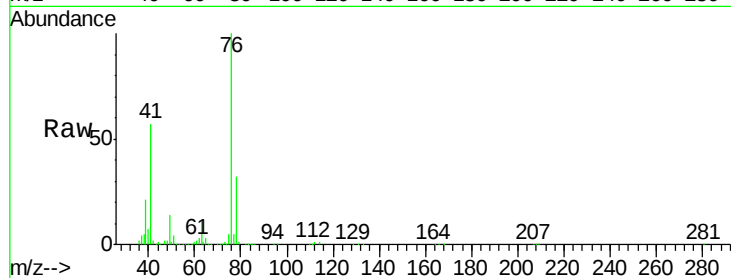
ClientSampleId :

Tot Ion: 76 Resp: 603027

Ion Ratio Lower Upper

76 100

78 32.7 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 68.95 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049437.D

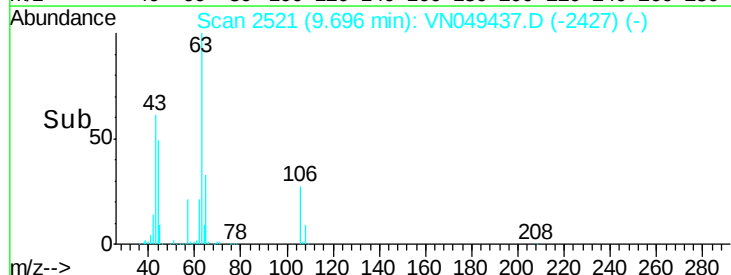
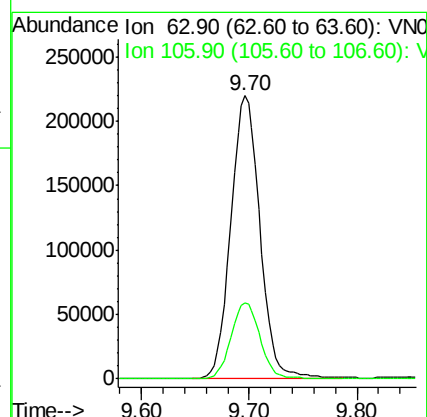
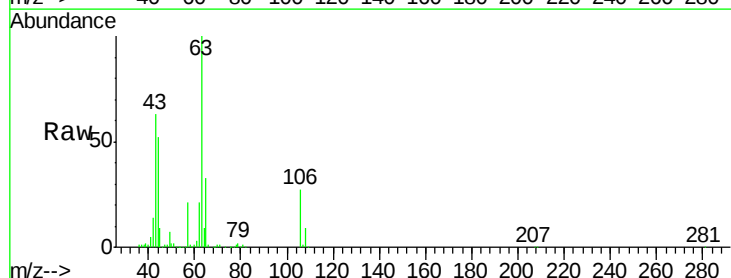
Acq: 20 Jun 2018 15:22

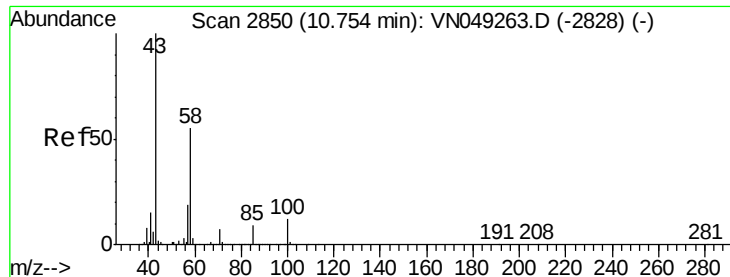
Tgt Ion: 63 Resp: 414270

Ion Ratio Lower Upper

63 100

106 27.0 19.4 29.2

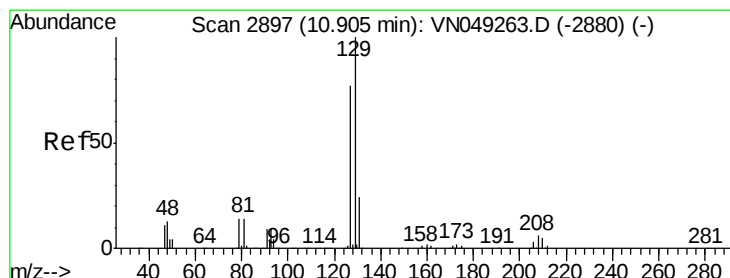
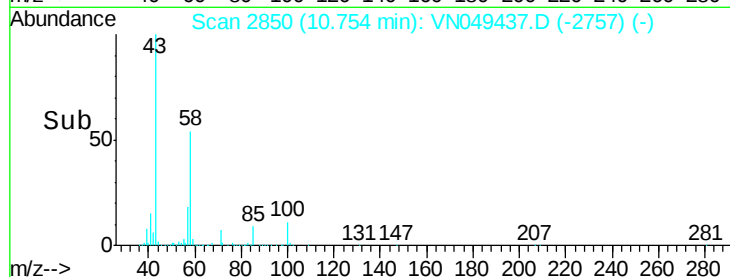
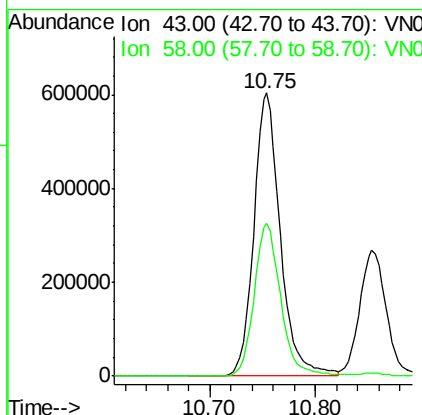
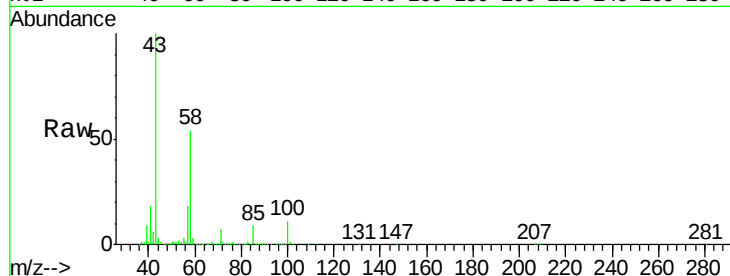




#59
2-Hexanone
Concen: 115.84 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

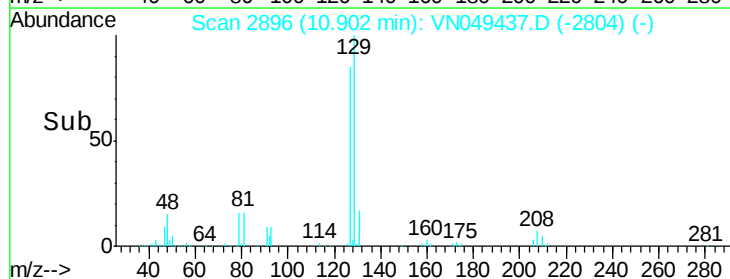
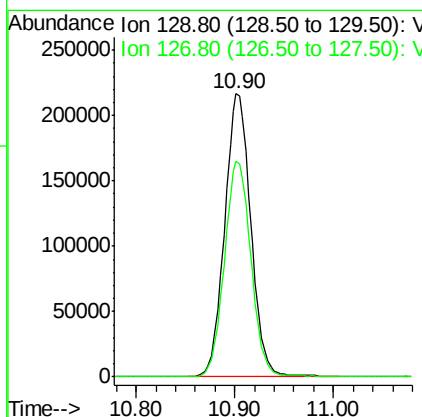
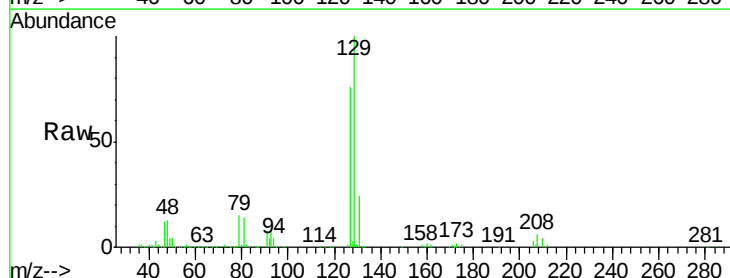
Instrument :
MSVOA_N
ClientSampled :

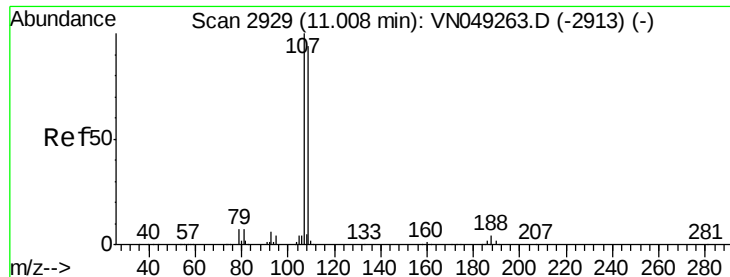
Tot Ion: 43 Resp: 1050582
Ion Ratio Lower Upper
43 100
58 54.5 25.2 75.6



#60
Dibromochloromethane
Concen: 20.77 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion: 129 Resp: 401903
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.05 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

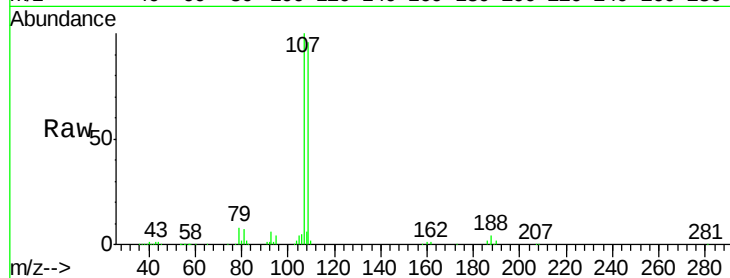
ClientSampleId :

Tot Ion: 107 Resp: 339146

Ion Ratio Lower Upper

107 100

109 96.0 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

150000

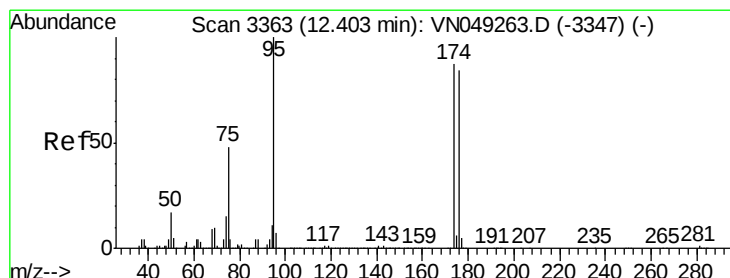
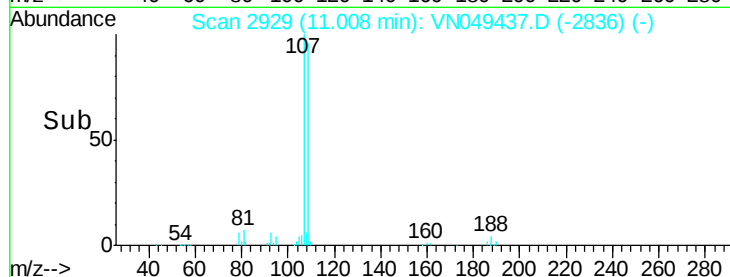
100000

50000

0

Time-->

10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 42.79 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

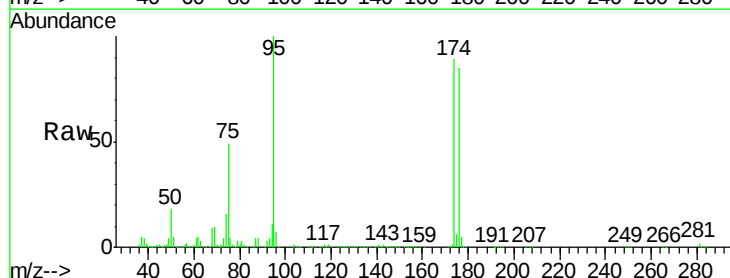
Tgt Ion: 95 Resp: 982690

Ion Ratio Lower Upper

95 100

174 88.6 0.0 165.6

176 84.9 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

800000

600000

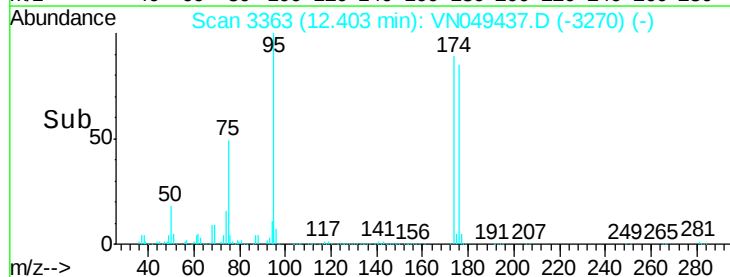
400000

200000

0

Time-->

12.30 12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

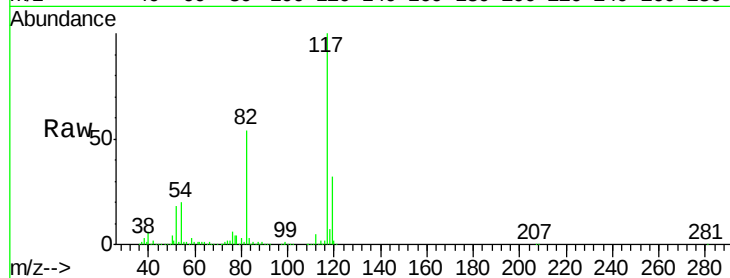
Tot Ion:117 Resp: 2028497

Ion Ratio Lower Upper

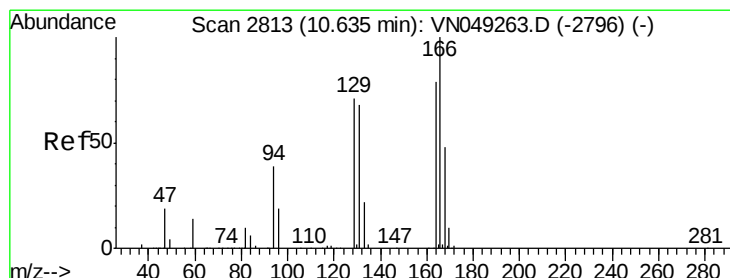
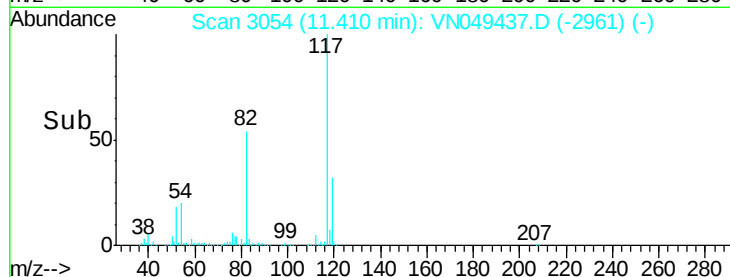
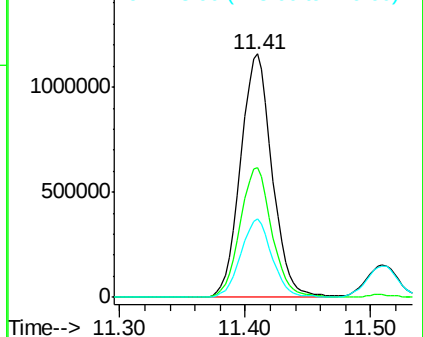
117 100

82 53.5 45.9 68.9

119 32.1 25.5 38.3



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



#64

Tetrachloroethene

Concen: 23.03 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Tgt Ion:164 Resp: 478747

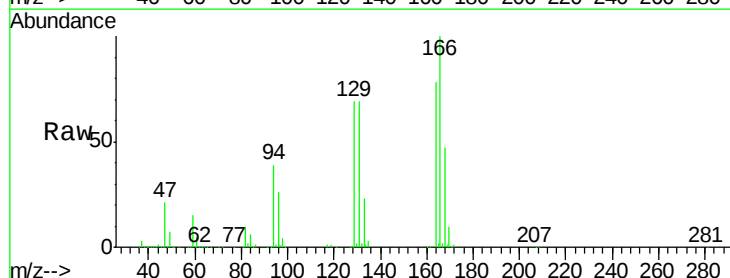
Ion Ratio Lower Upper

164 100

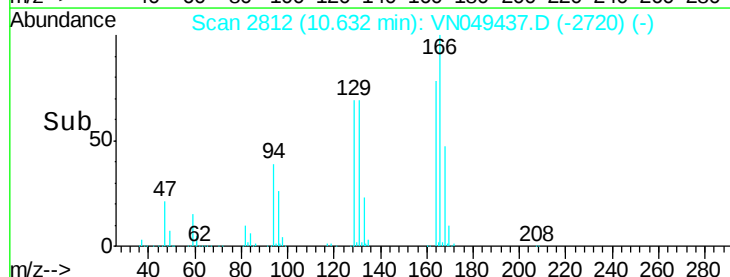
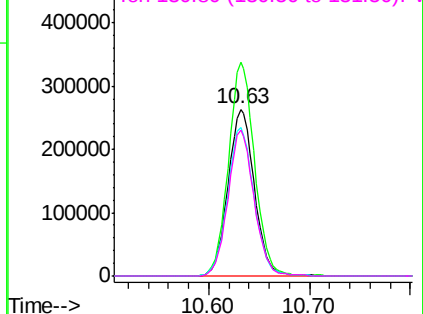
166 128.3 101.4 152.2

129 88.8 74.1 111.1

131 87.8 73.7 110.5



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





#65

Chlorobenzene

Concen: 20.63 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

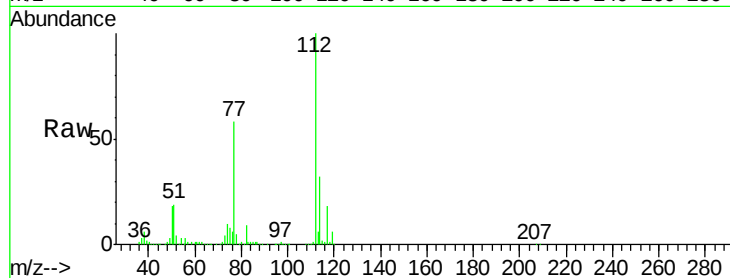
ClientSampleId :

Tot Ion:112 Resp: 1078232

Ion Ratio Lower Upper

112 100

114 32.3 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

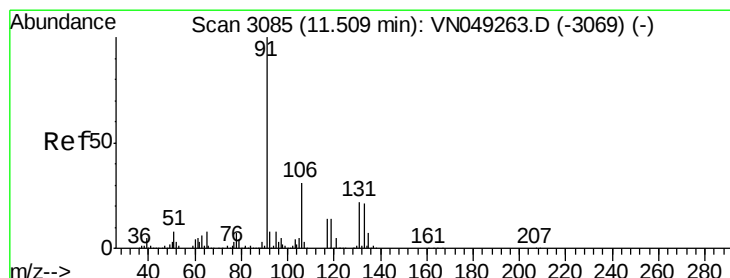
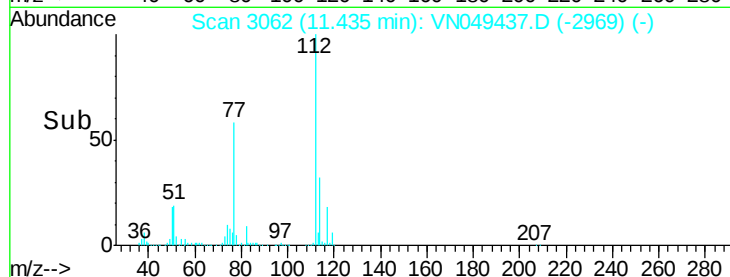
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.51 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

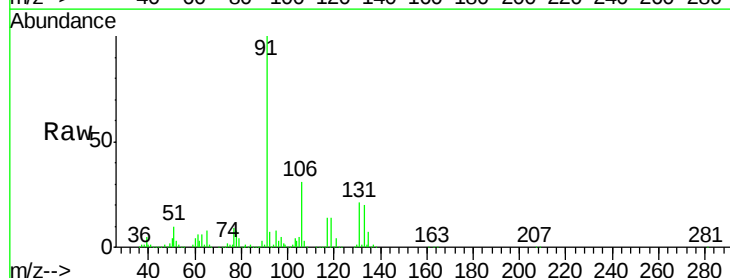
Tgt Ion:131 Resp: 403289

Ion Ratio Lower Upper

131 100

133 95.3 48.0 144.2

119 66.3 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

500000

400000

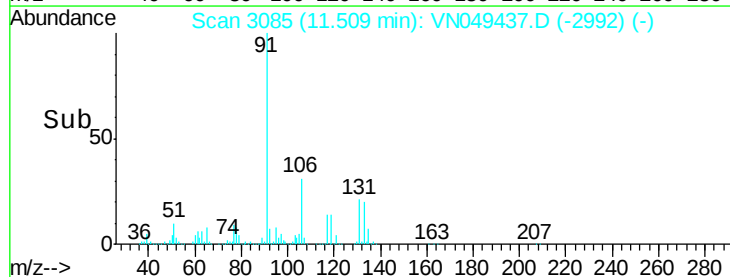
300000

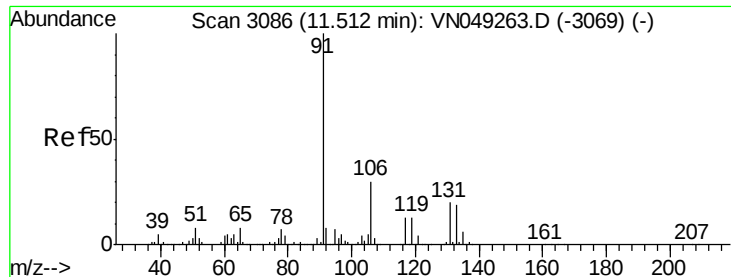
200000

100000

0

Time-->





#67

Ethyl Benzene

Concen: 21.19 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

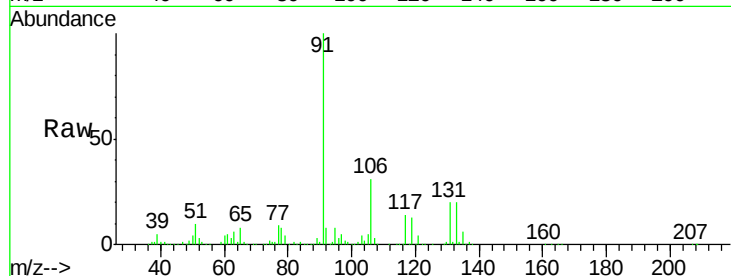
ClientSampled :

Tot Ion: 91 Resp: 1836634

Ion Ratio Lower Upper

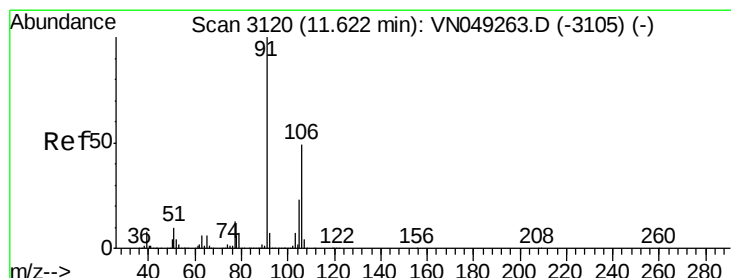
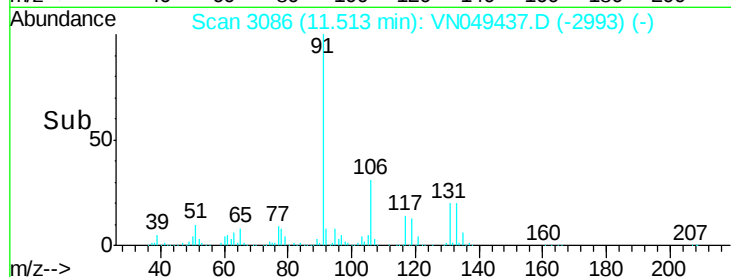
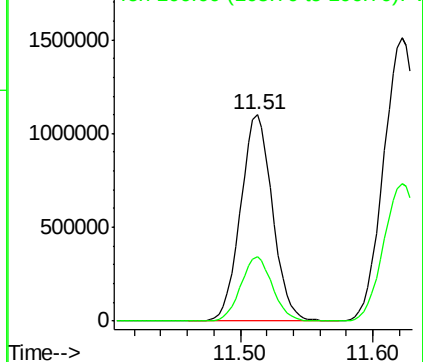
91 100

106 31.1 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3069) (-)

Ion 106.00 (105.70 to 106.70): VN049263.D (-3069) (-)



#68

m/p-Xylenes

Concen: 43.81 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049437.D

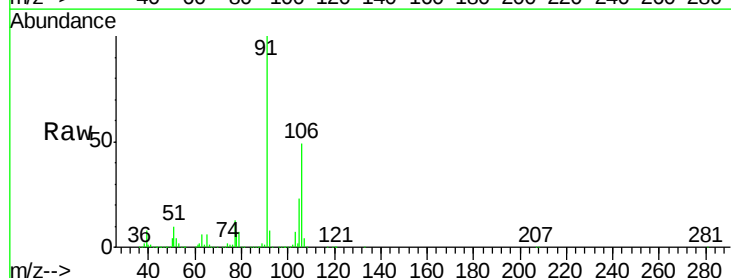
Acq: 20 Jun 2018 15:22

Tgt Ion: 106 Resp: 1425021

Ion Ratio Lower Upper

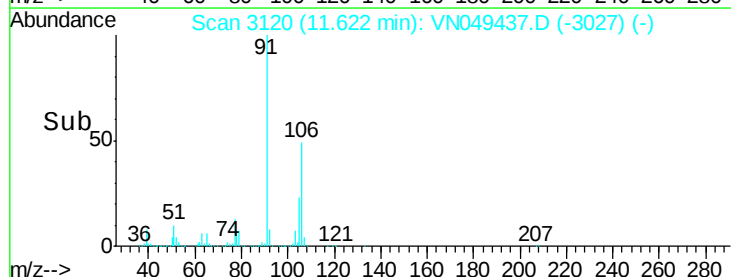
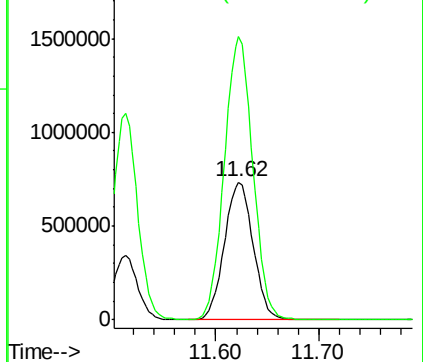
106 100

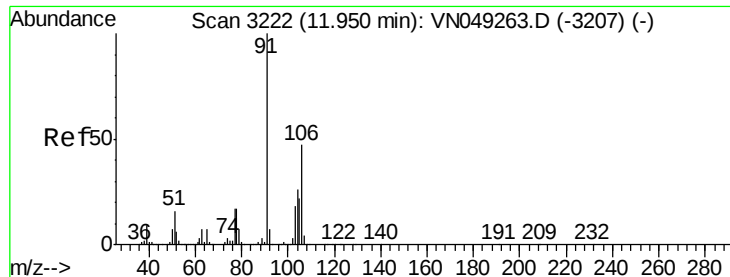
91 203.4 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049263.D (-3105) (-)

Ion 91.00 (90.70 to 91.70): VN049263.D (-3105) (-)

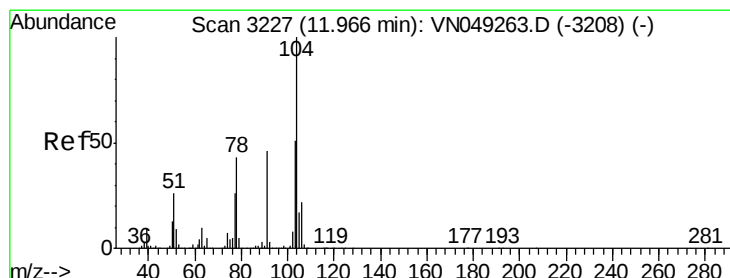
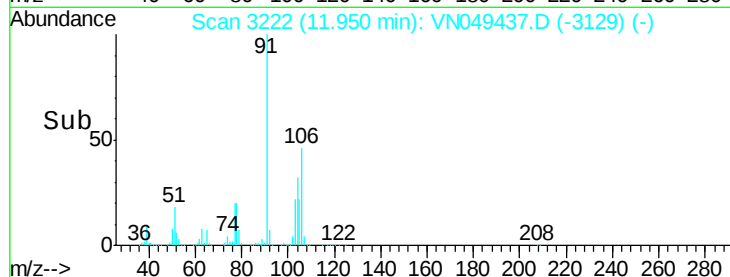
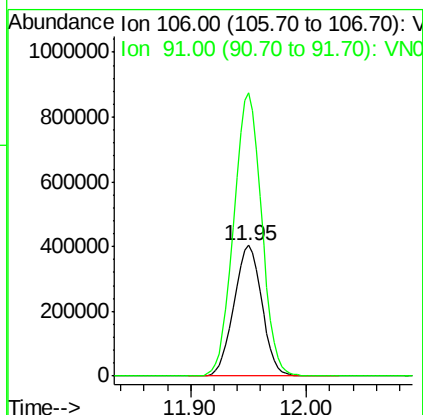
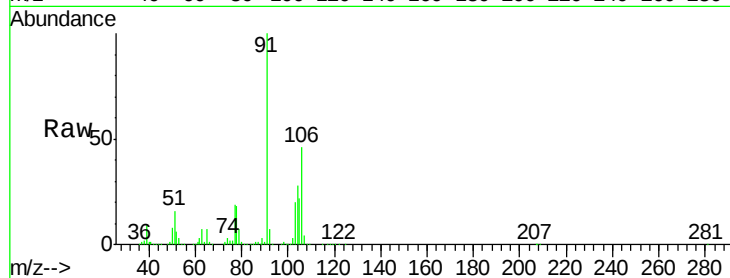




#69
o-Xylene
Concen: 21.42 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

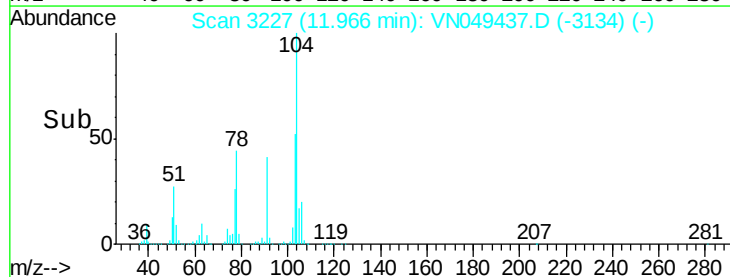
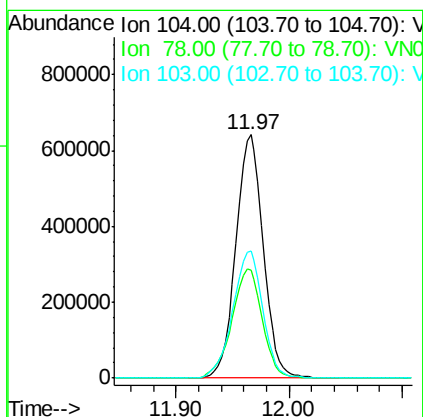
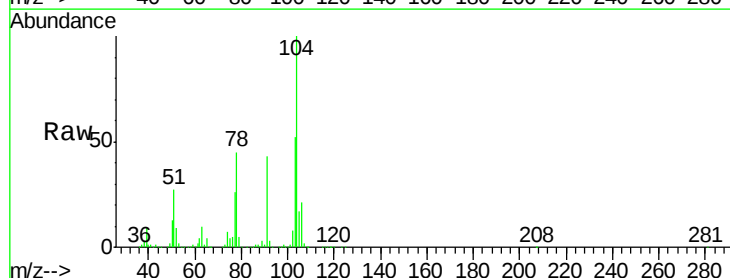
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 670994
Ion Ratio Lower Upper
106 100
91 215.8 111.0 333.0



#70
Styrene
Concen: 21.98 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion:104 Resp: 1086393
Ion Ratio Lower Upper
104 100
78 49.7 41.6 62.4
103 56.9 45.4 68.2





#71

Bromoform

Concen: 21.17 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

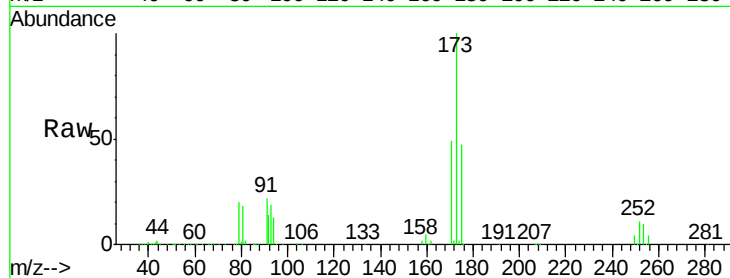
Tot Ion:173 Resp: 269456

Ion Ratio Lower Upper

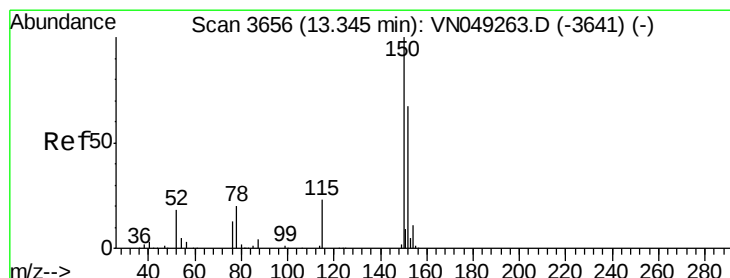
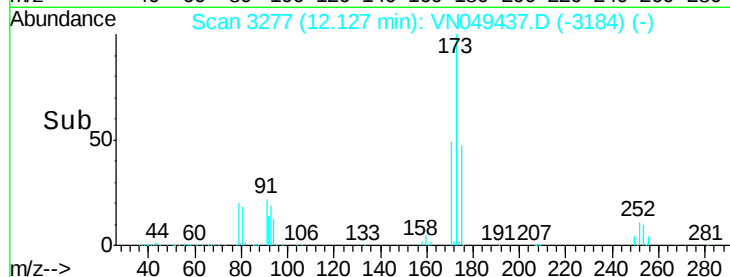
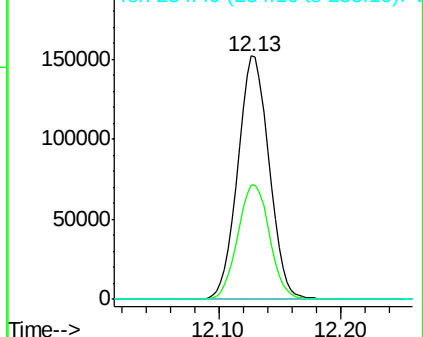
173 100

175 47.9 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: VN049437.D

Acq: 20 Jun 2018 15:22

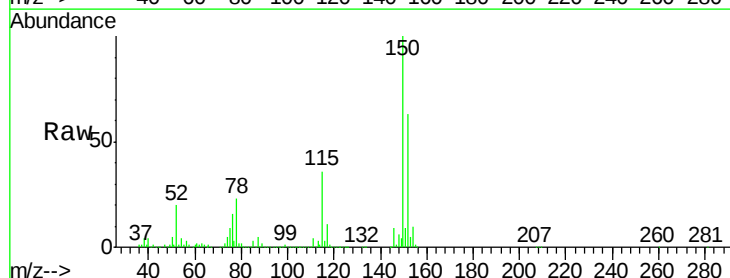
Tgt Ion:152 Resp: 988382

Ion Ratio Lower Upper

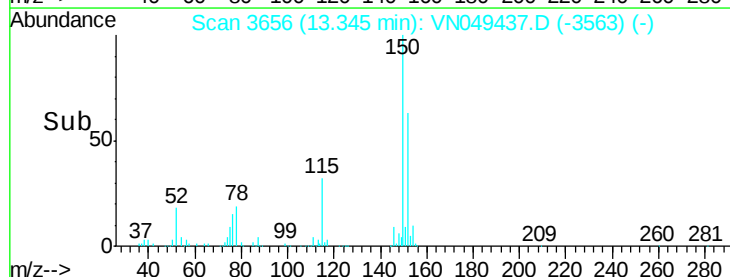
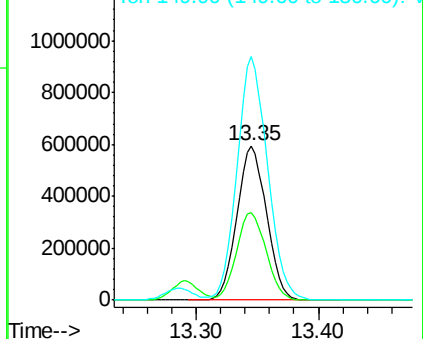
152 100

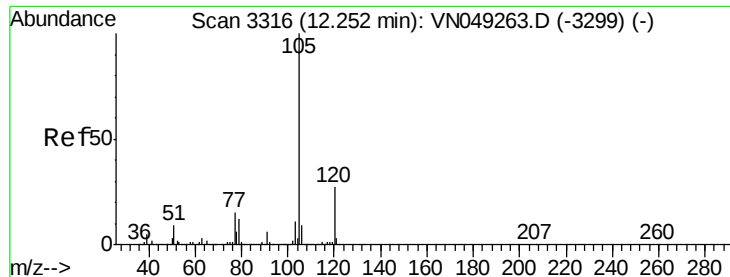
115 57.3 28.7 86.1

150 163.8 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: 20.78 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

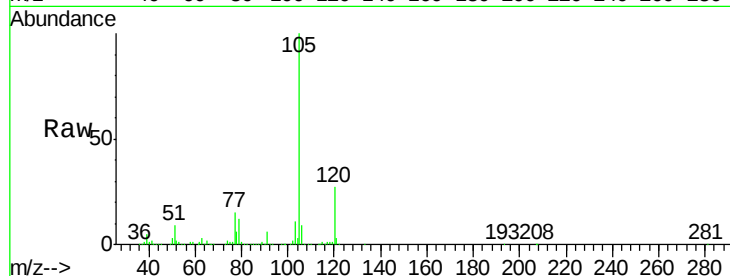
ClientSampleId :

Tot Ion:105 Resp: 1803372

Ion Ratio Lower Upper

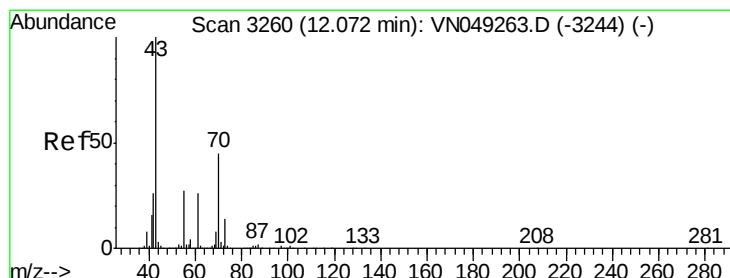
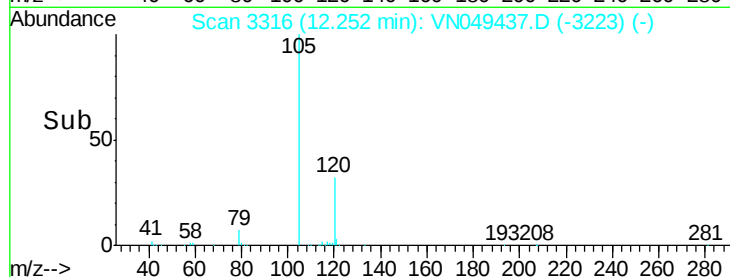
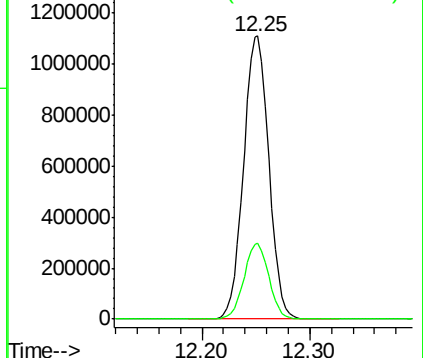
105 100

120 26.3 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.96 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Tgt Ion: 43 Resp: 445458

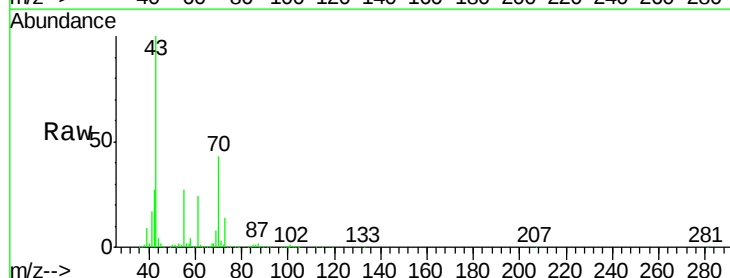
Ion Ratio Lower Upper

43 100

70 44.0 30.3 45.5

55 27.8 19.4 29.2

61 24.6 17.8 26.6

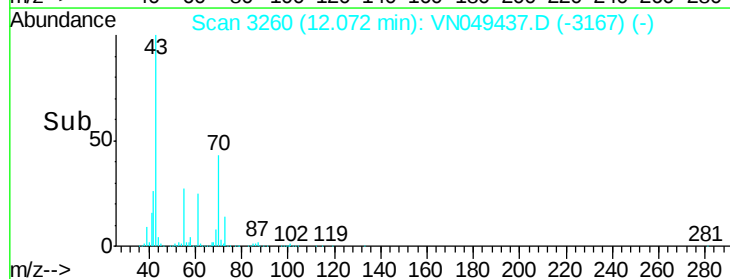
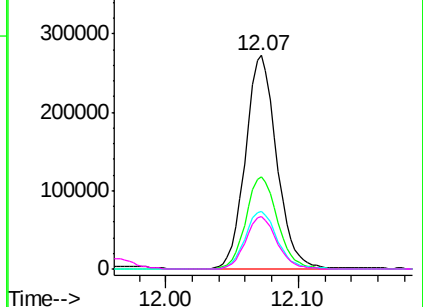


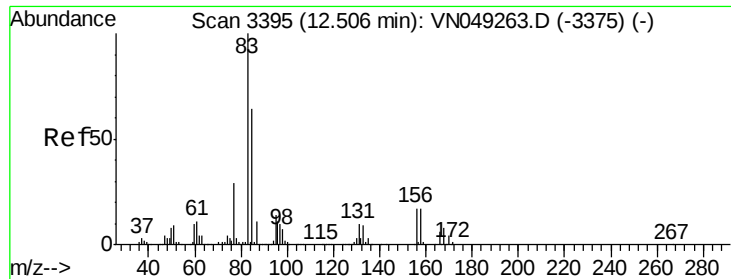
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.60 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

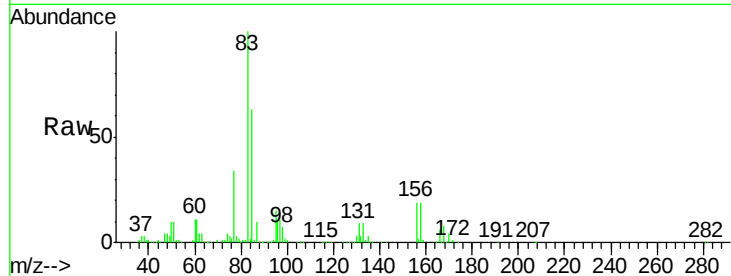
Tot Ion: 83 Resp: 408299

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

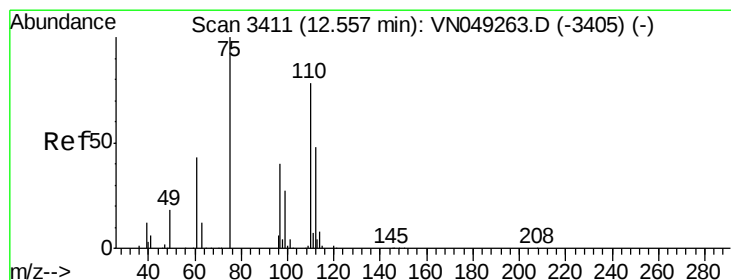
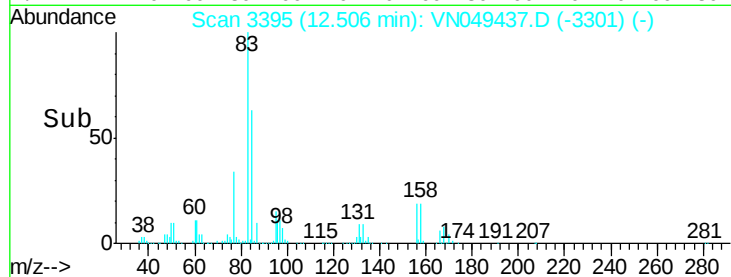
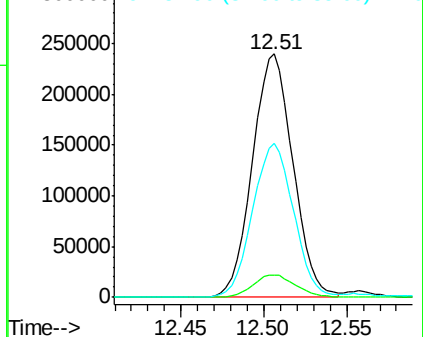
85 63.7 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.78 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049437.D

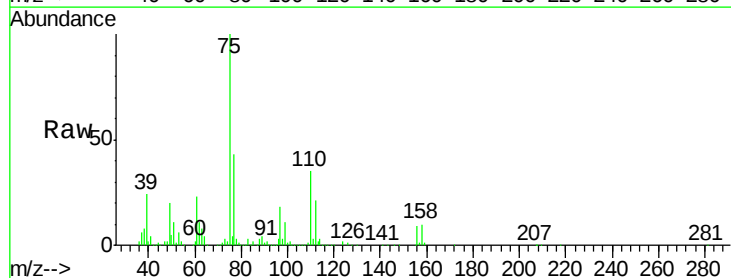
Acq: 20 Jun 2018 15:22

Tgt Ion: 75 Resp: 519161

Ion Ratio Lower Upper

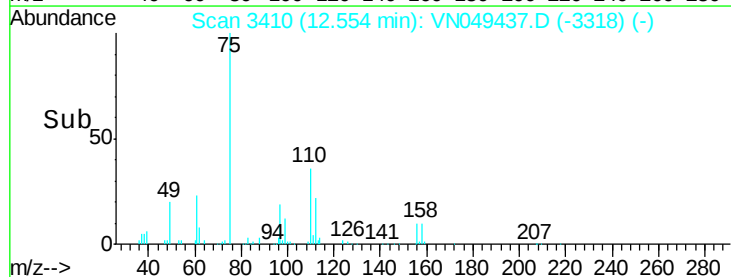
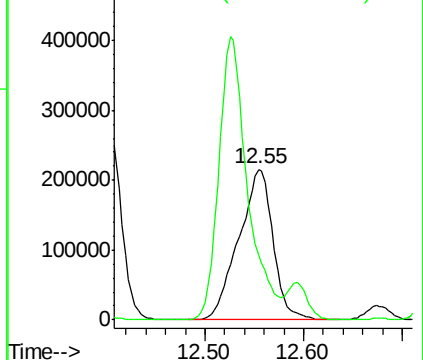
75 100

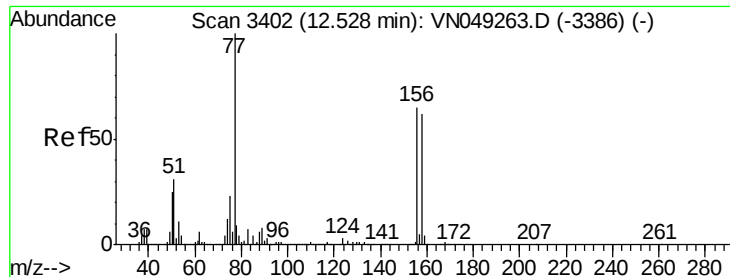
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.58 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

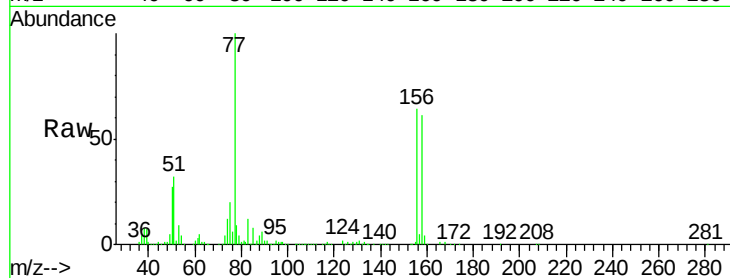
Tot Ion:156 Resp: 448760

Ion Ratio Lower Upper

156 100

77 184.4 100.8 302.4

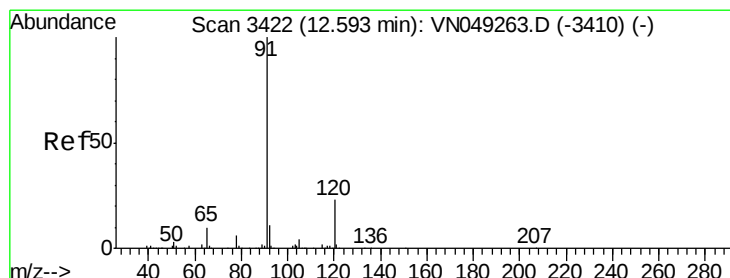
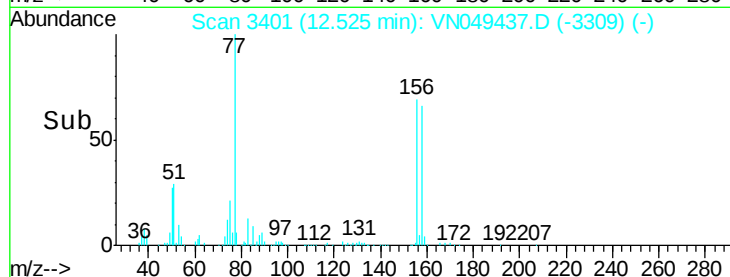
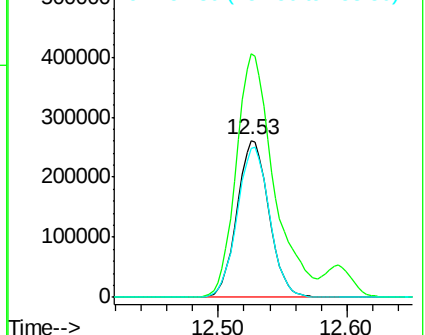
158 97.3 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.40 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049437.D

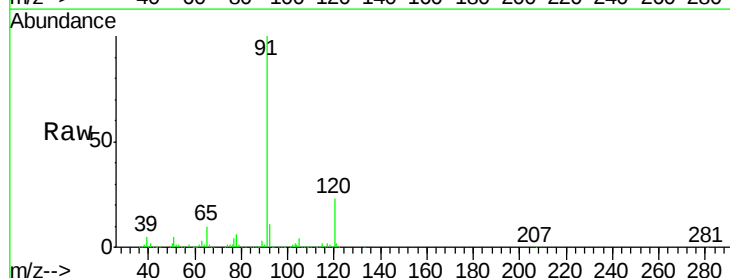
Acq: 20 Jun 2018 15:22

Tgt Ion: 91 Resp: 2038749

Ion Ratio Lower Upper

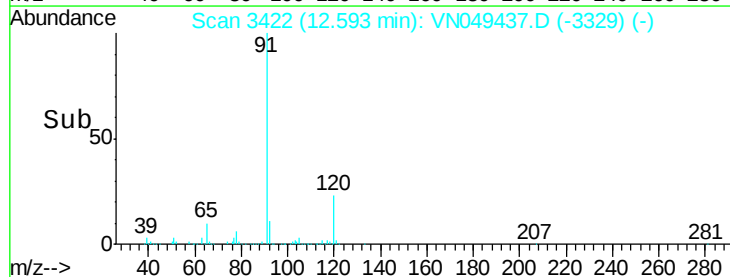
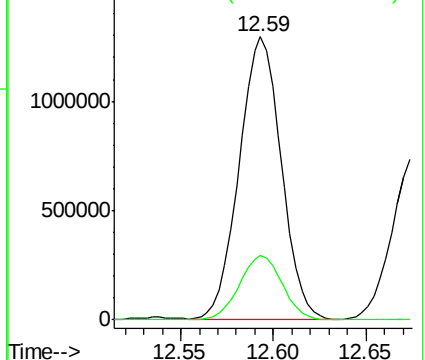
91 100

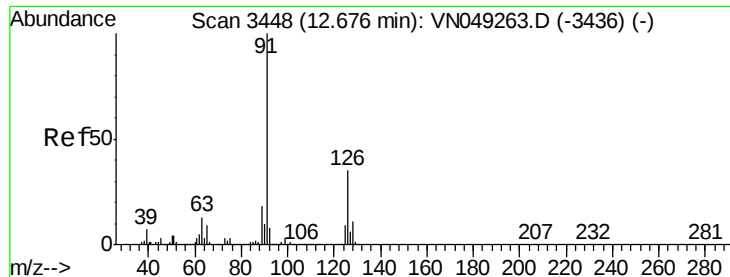
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.72 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

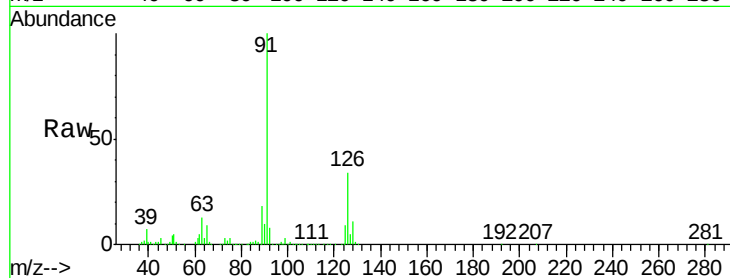
ClientSampleId :

Tot Ion: 91 Resp: 1251163

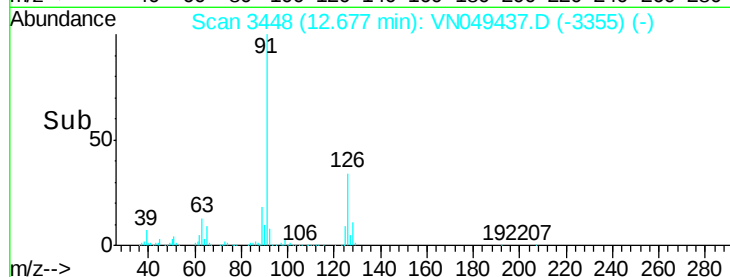
Ion Ratio Lower Upper

91 100

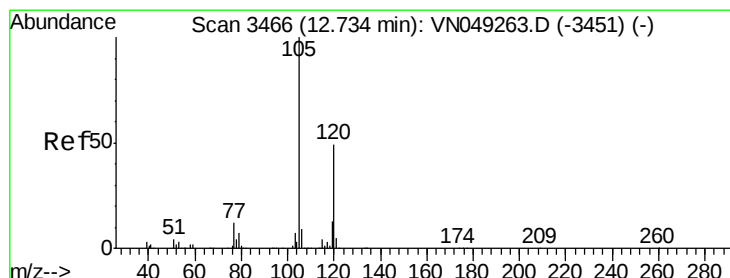
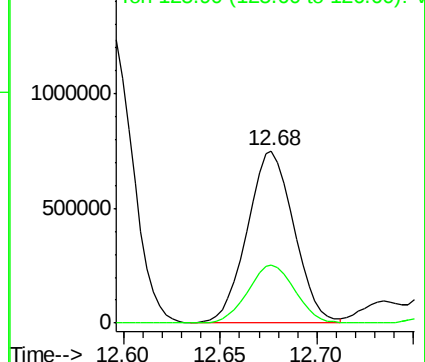
126 34.4 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049437.D (-3355) (-)



Ion 125.90 (125.60 to 126.60): VN049437.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.57 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049437.D

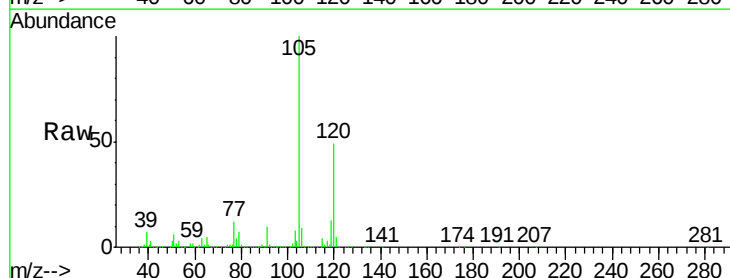
Acq: 20 Jun 2018 15:22

Tgt Ion:105 Resp: 1471601

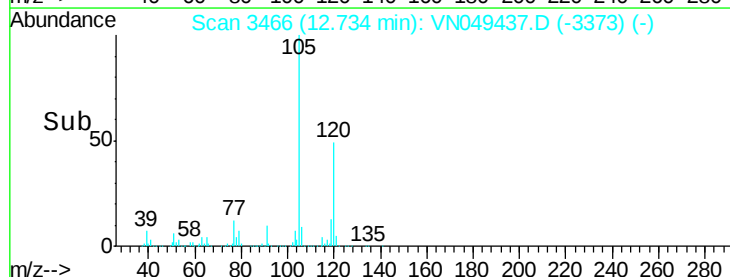
Ion Ratio Lower Upper

105 100

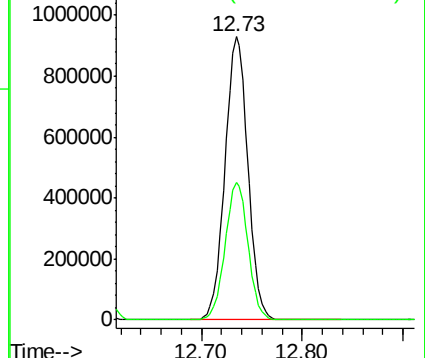
120 48.7 23.5 70.5

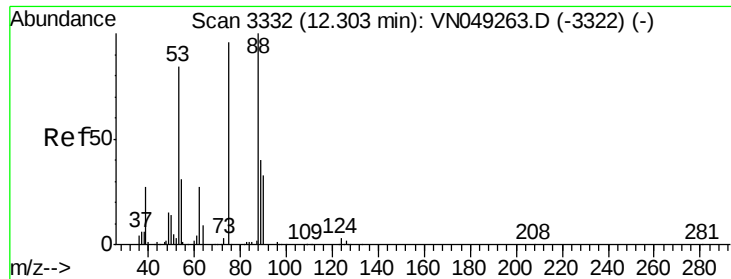


Abundance Ion 105.00 (104.70 to 105.70): VN049437.D (-3373) (-)



Ion 120.00 (119.70 to 120.70): VN049437.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.33 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

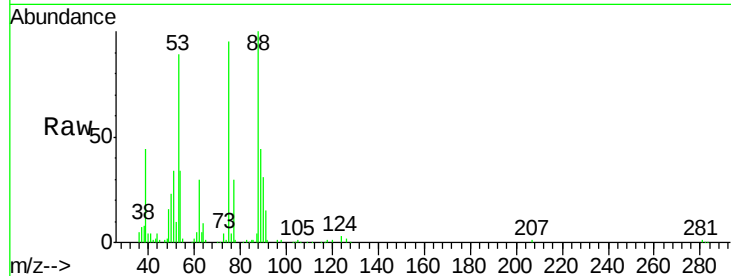
Tot Ion: 75 Resp: 108461

Ion Ratio Lower Upper

75 100

53 95.1 82.7 124.1

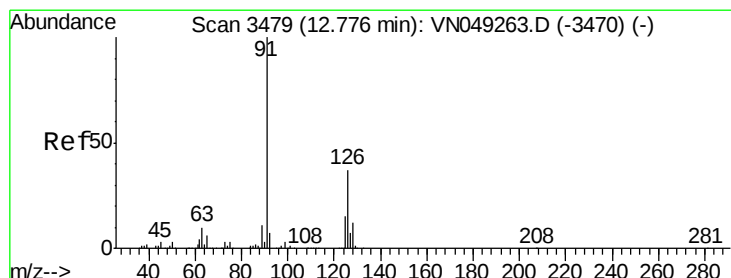
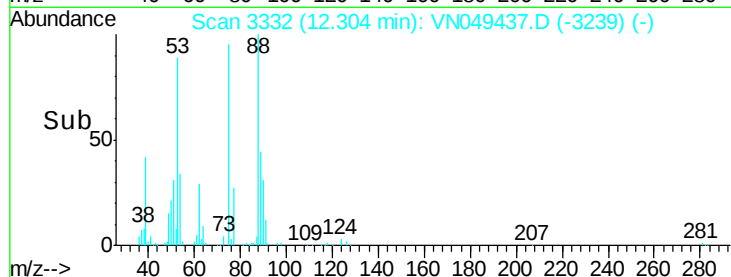
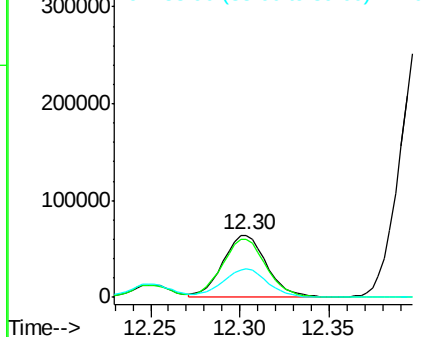
89 46.5 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.41 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049437.D

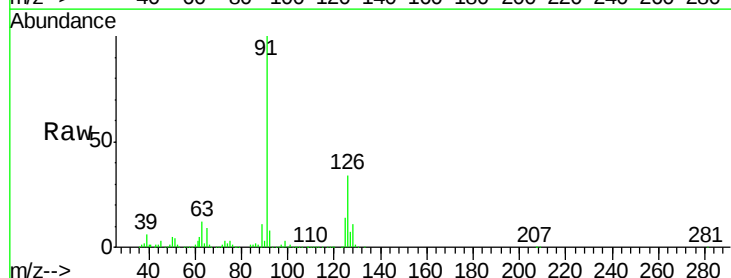
Acq: 20 Jun 2018 15:22

Tgt Ion: 91 Resp: 1247284

Ion Ratio Lower Upper

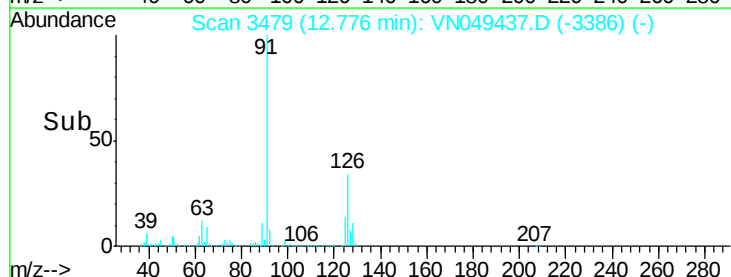
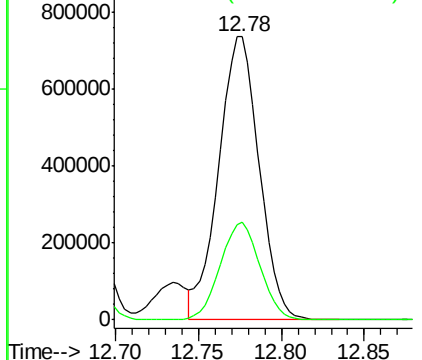
91 100

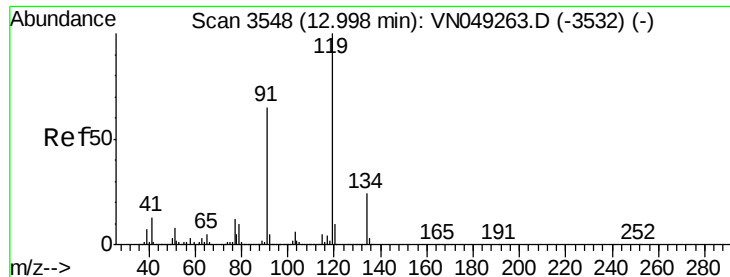
126 34.0 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.48 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

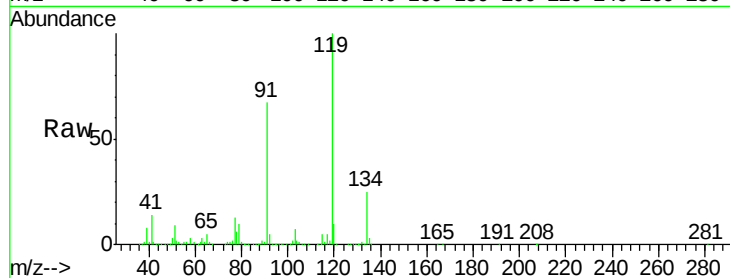
Tot Ion:119 Resp: 1237808

Ion Ratio Lower Upper

119 100

91 64.9 33.7 101.0

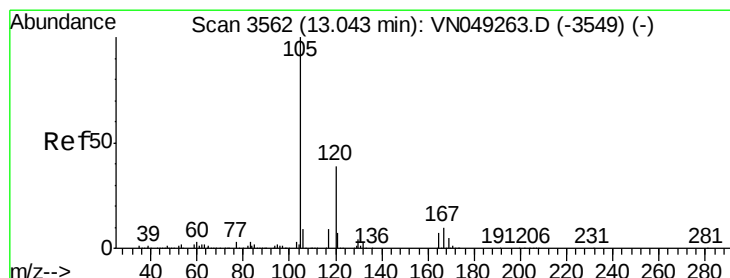
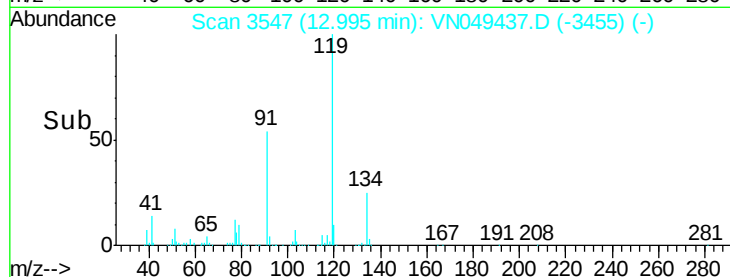
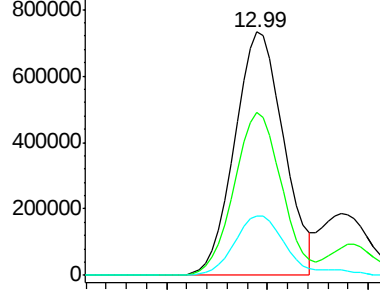
134 26.3 12.9 38.6



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: 21.94 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049437.D

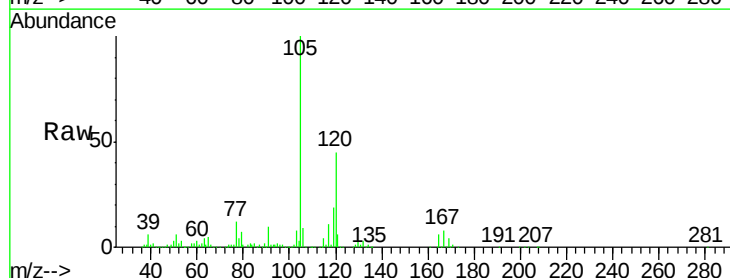
Acq: 20 Jun 2018 15:22

Tgt Ion:105 Resp: 1486483

Ion Ratio Lower Upper

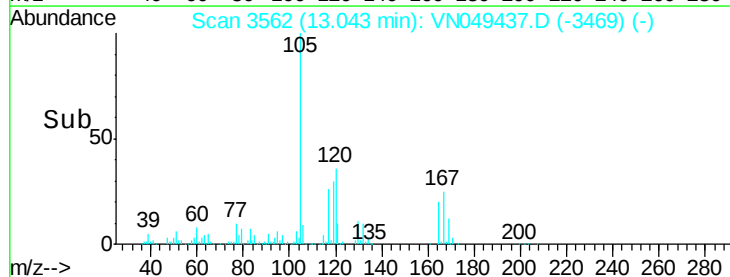
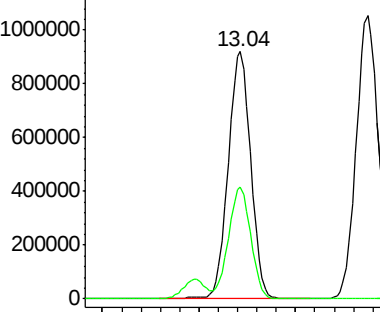
105 100

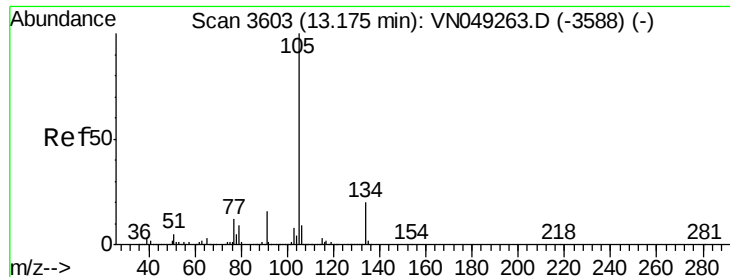
120 44.8 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.76 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

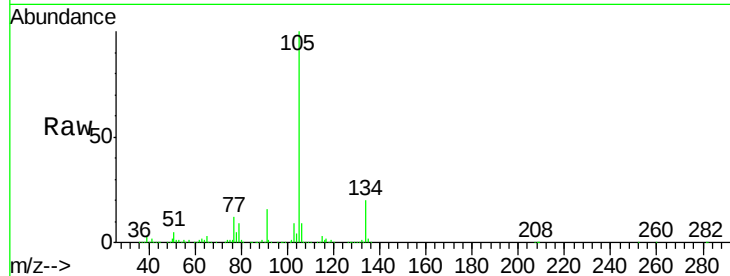
ClientSampled :

Tot Ion:105 Resp: 1669545

Ion Ratio Lower Upper

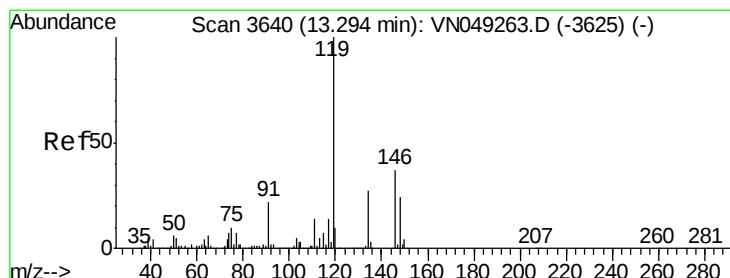
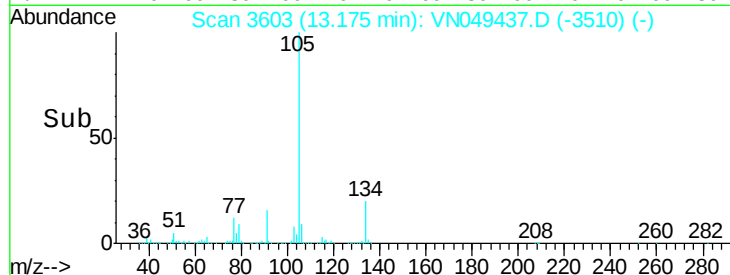
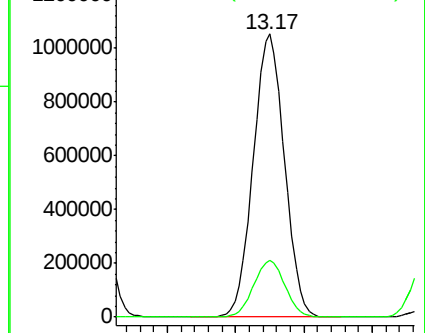
105 100

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: 21.15 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

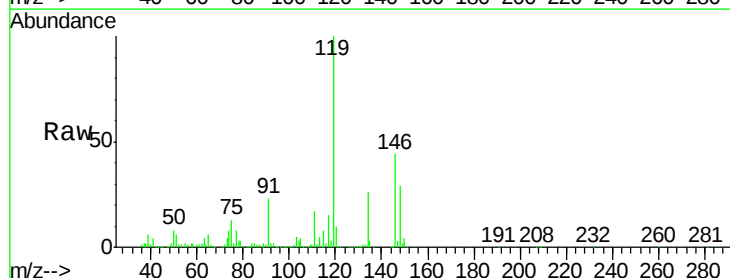
Tgt Ion:119 Resp: 1420958

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

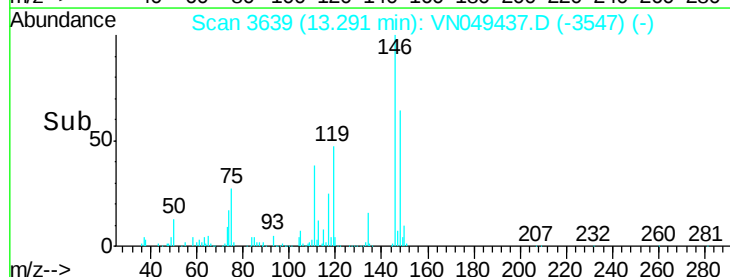
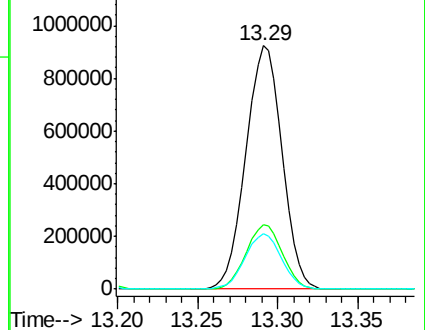
91 22.7 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

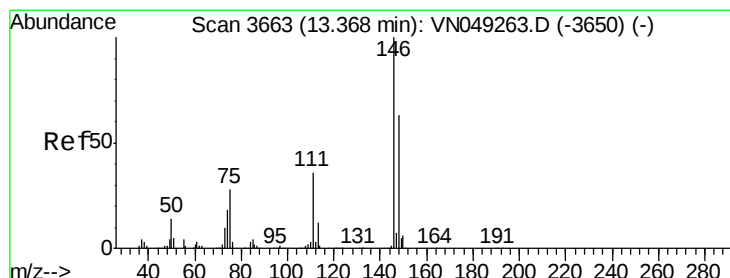
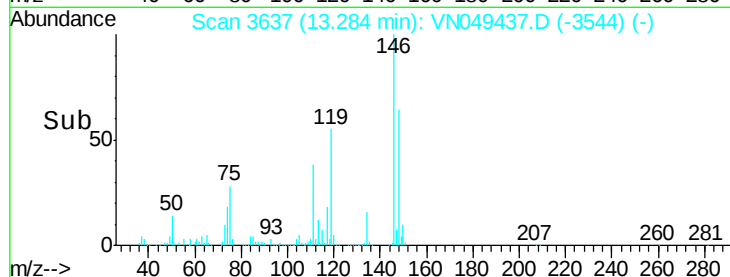
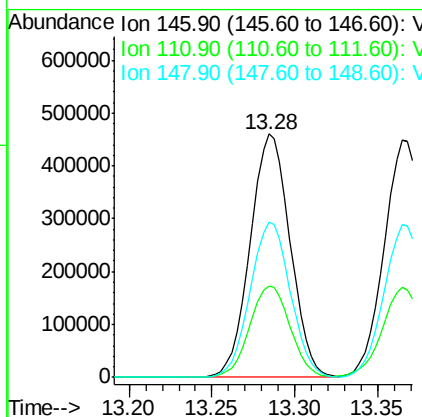
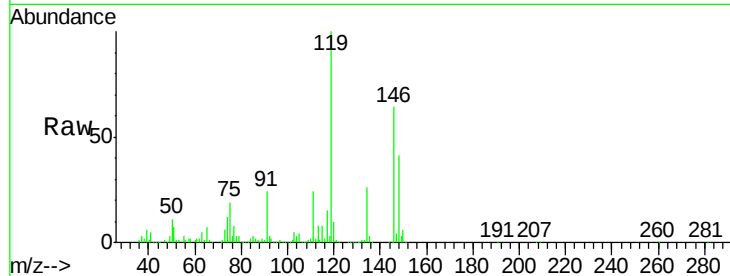




#87
 1,3-Dichlorobenzene
 Concen: 20.44 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

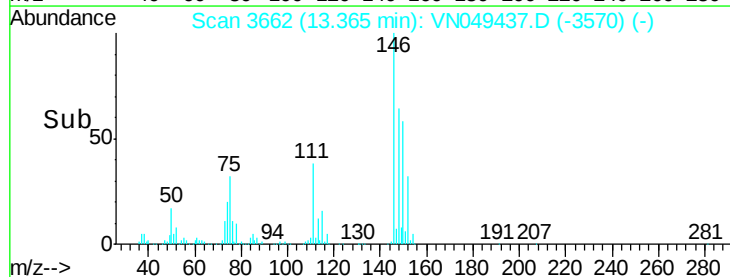
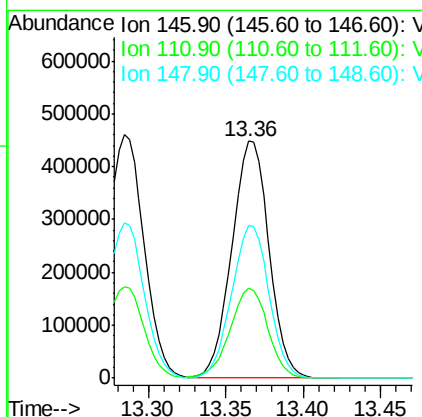
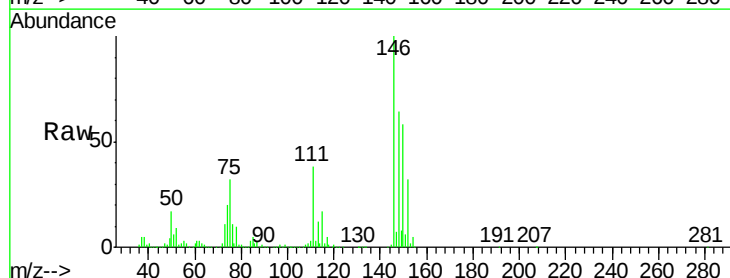
Instrument :
 MSVOA_N
 ClientSampled :

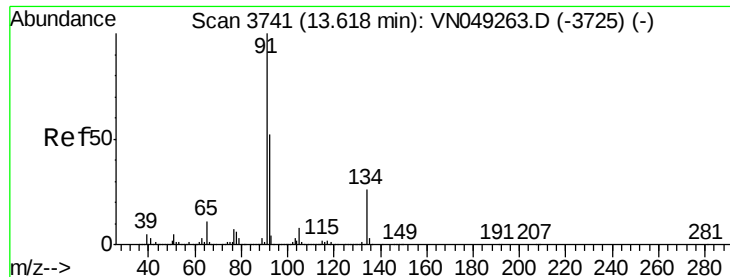
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.9	59.6
148	64.2	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.99 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049437.D
 Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	65.0	32.0	96.2





#89

n-Butylbenzene

Concen: 20.44 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

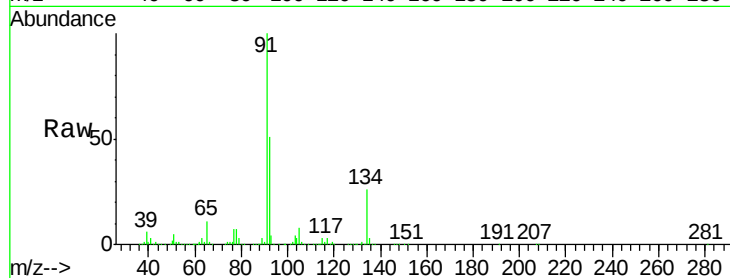
Tot Ion: 91 Resp: 1072611

Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.1	75.4
134	25.5	12.0	36.0

91 100

92 51.4 25.1 75.4

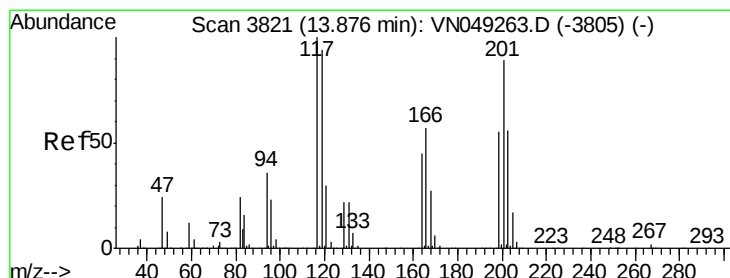
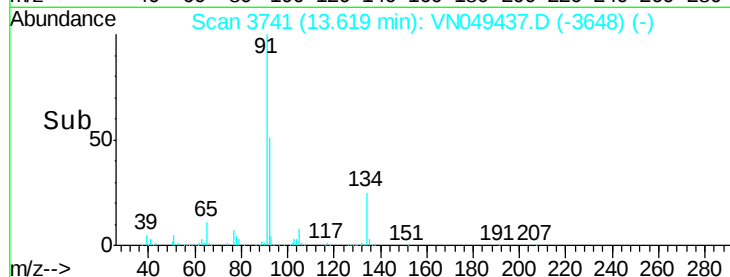
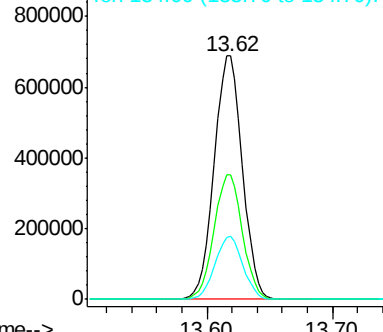
134 25.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN049437.D (-3648) (-)

Ion 92.00 (91.70 to 92.70): VN049437.D (-3648) (-)

Ion 134.00 (133.70 to 134.70): VN049437.D (-3648) (-)



#90

Hexachloroethane

Concen: 20.96 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049437.D

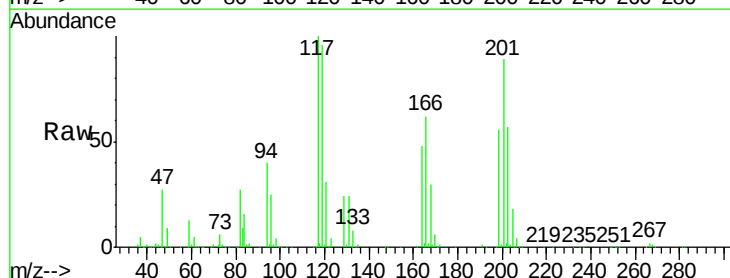
Acq: 20 Jun 2018 15:22

Tgt Ion: 117 Resp: 279035

Ion	Ratio	Lower	Upper
117	100		
201	88.6	40.1	120.2

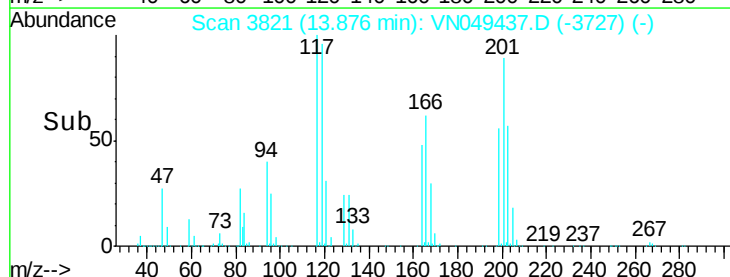
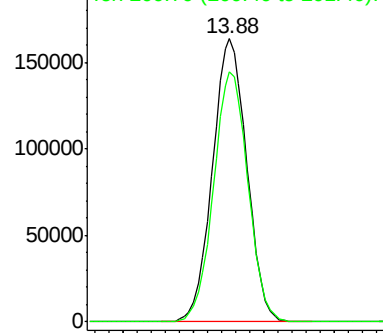
117 100

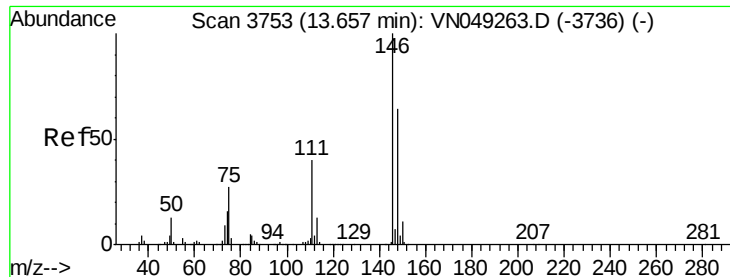
201 88.6 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): VN049437.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049437.D (-3727) (-)





#91

1,2-Dichlorobenzene

Concen: 20.31 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

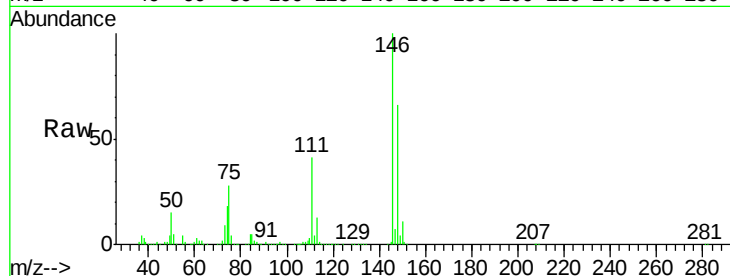
Tot Ion:146 Resp: 751039

Ion Ratio Lower Upper

146 100

111 40.3 20.8 62.2

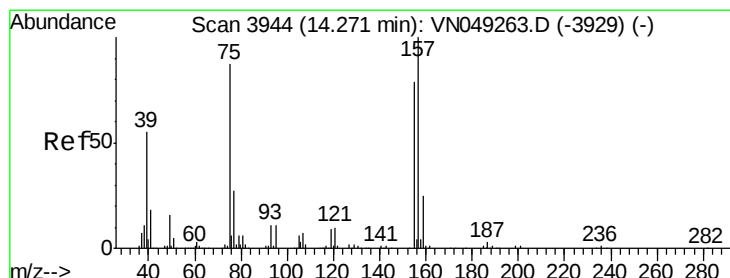
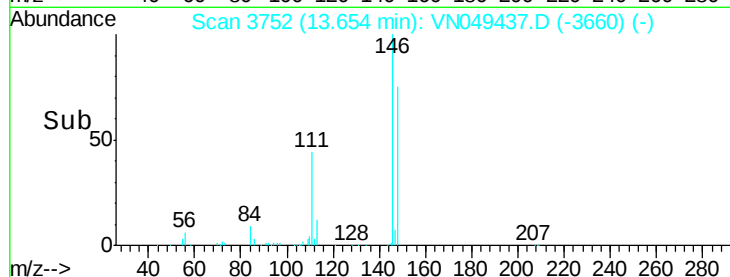
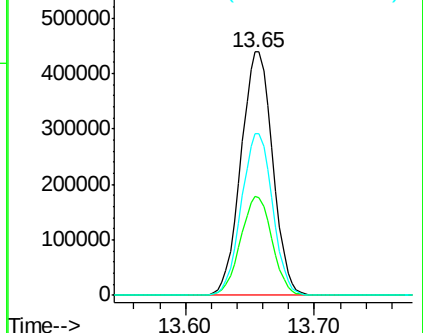
148 65.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.82 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

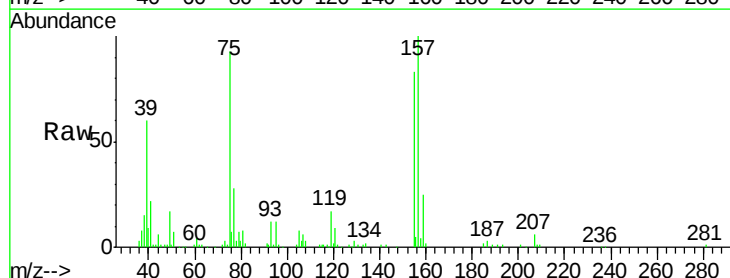
Tgt Ion: 75 Resp: 59891

Ion Ratio Lower Upper

75 100

155 90.5 38.8 116.3

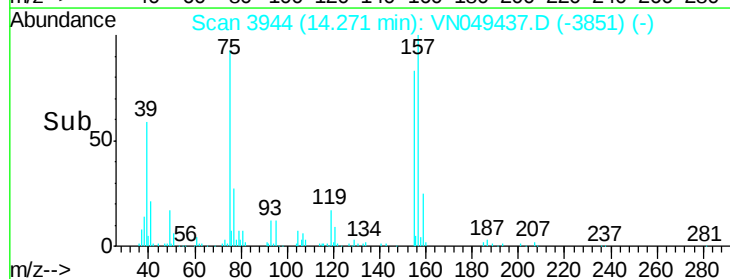
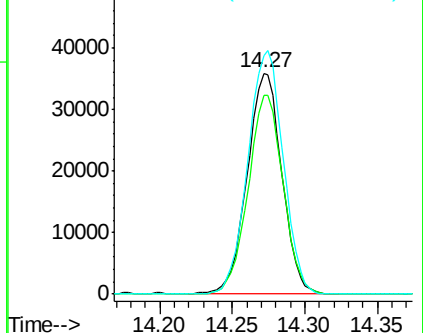
157 111.8 51.0 153.1



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.64 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

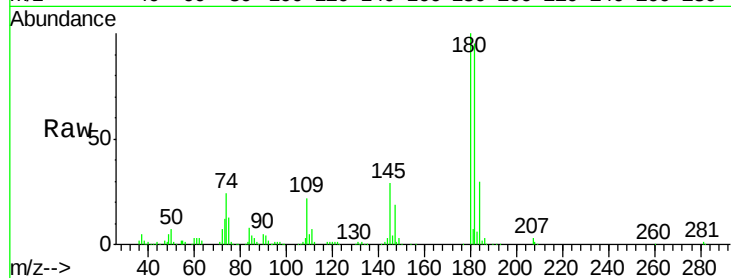
Tot Ion:180 Resp: 260194

Ion Ratio Lower Upper

180 100

182 95.6 46.9 140.8

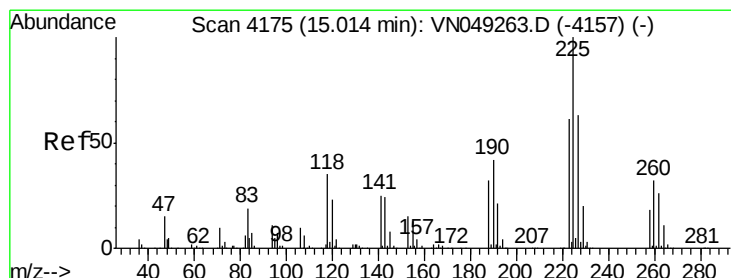
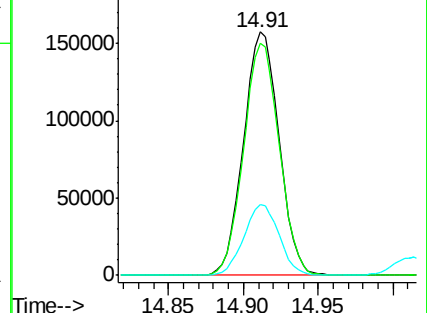
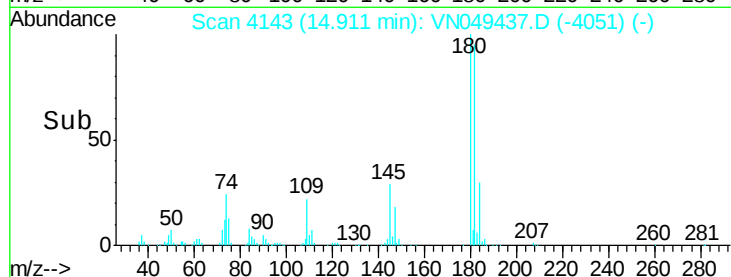
145 28.7 14.7 44.1



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: 21.34 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049437.D

Acq: 20 Jun 2018 15:22

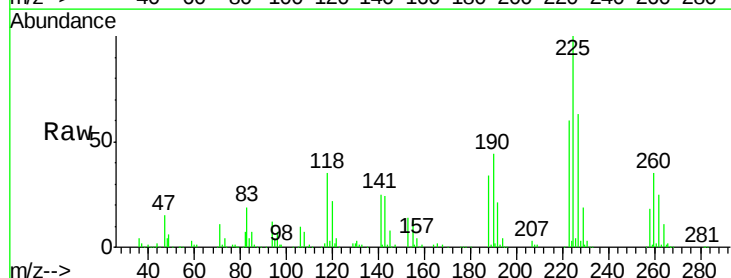
Tgt Ion:225 Resp: 247716

Ion Ratio Lower Upper

225 100

223 62.0 32.1 96.3

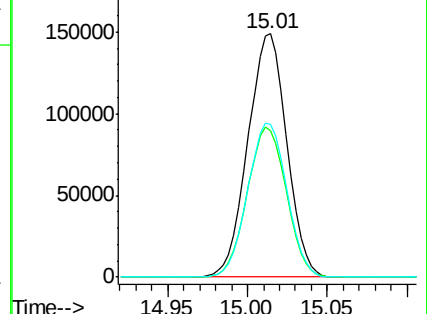
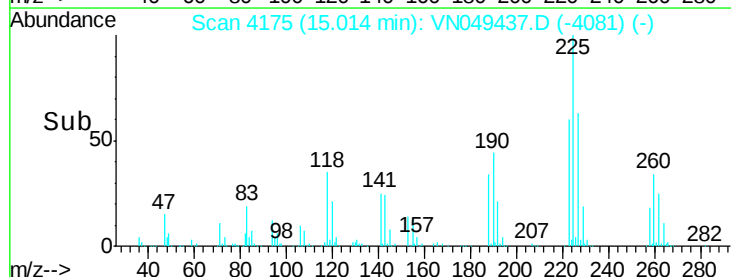
227 63.7 31.8 95.3

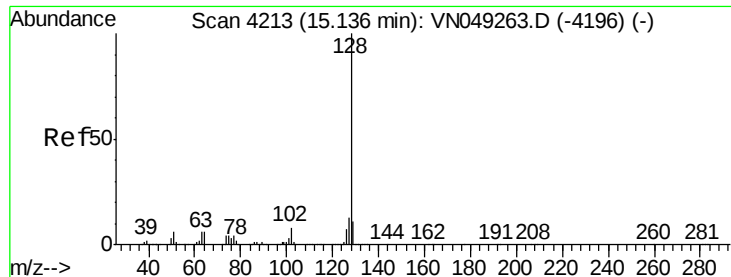


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

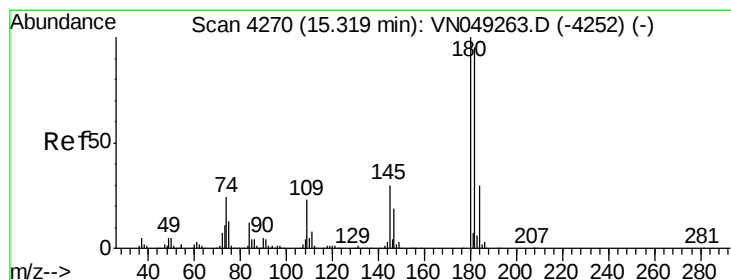
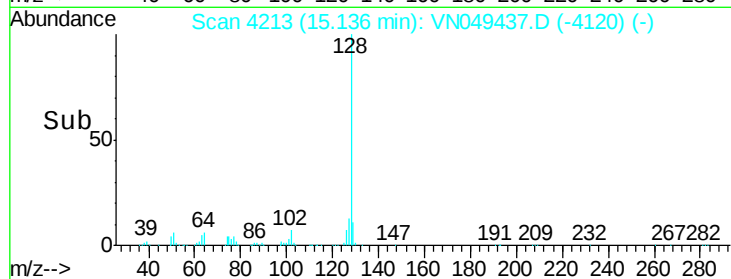
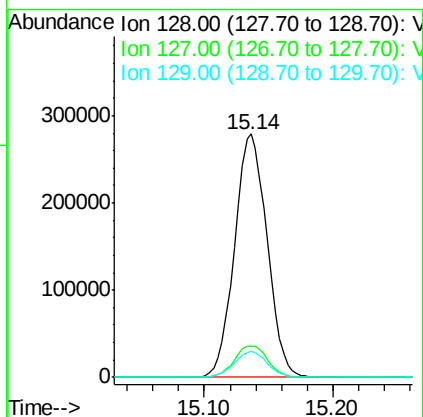
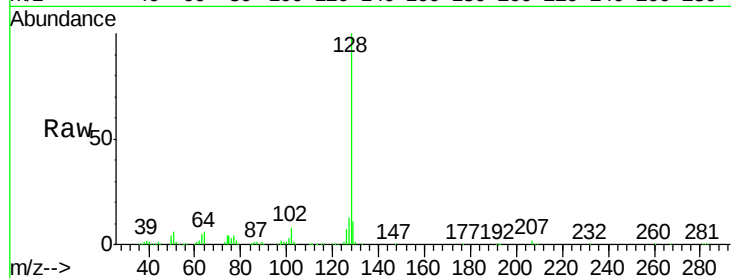




#95
Naphthalene
Concen: 19.07 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.8	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 18.97 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049437.D
Acq: 20 Jun 2018 15:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.3	141.8
145	31.0	15.6	46.7

