

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
 Data File : VN049637.D
 Acq On : 29 Jun 2018 17:49
 Operator : MD\SY
 Sample : VN0629WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 30 01:20:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 29 15:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1278200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1959320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1770776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	914336	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	952262	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	
35) Dibromofluoromethane	7.59	113	793183	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
50) Toluene-d8	10.09	98	3015818	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	12.40	95	1026829	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	304370	21.13	ug/l	96
3) Chloromethane	2.06	50	368749	20.50	ug/l	97
4) Vinyl Chloride	2.18	62	388705	20.12	ug/l	97
5) Bromomethane	2.56	94	209486	20.64	ug/l	98
6) Chloroethane	2.70	64	246796	20.18	ug/l	99
7) Trichlorofluoromethane	3.01	101	428486	19.41	ug/l	100
8) Diethyl Ether	3.41	74	202415	22.62	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	315162	19.85	ug/l	93
10) Methyl Iodide	3.95	142	446929	22.49	ug/l	91
11) Tert butyl alcohol	4.80	59	134165	138.51	ug/l #	91
12) 1,1-Dichloroethene	3.73	96	290948	19.38	ug/l	89
13) Acrolein	3.61	56	104343	115.32	ug/l	96
14) Allyl chloride	4.32	41	426812	20.70	ug/l	90
15) Acrylonitrile	5.00	53	599679	119.87	ug/l	99
16) Acetone	3.82	43	459302	128.37	ug/l	93
17) Carbon Disulfide	4.05	76	819630	19.62	ug/l	100
18) Methyl Acetate	4.33	43	391913	22.94	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	926322	23.93	ug/l	98
20) Methylene Chloride	4.55	84	365223	21.01	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	311927	20.19	ug/l	93
22) Diisopropyl ether	5.95	45	1060852	22.74	ug/l	94
23) Vinyl Acetate	5.90	43	3583002	118.43	ug/l	95
24) 1,1-Dichloroethane	5.85	63	619249	21.07	ug/l	99
25) 2-Butanone	6.84	43	699649	124.85	ug/l	97
26) 2,2-Dichloropropane	6.82	77	479820	19.66	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	375628	21.76	ug/l	91
28) Bromochloromethane	7.20	49	289387	23.20	ug/l #	82
29) Tetrahydrofuran	7.22	42	458821	128.46	ug/l	93
30) Chloroform	7.37	83	638452	21.31	ug/l	98
31) Cyclohexane	7.65	56	514602	19.98	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	517682	20.41	ug/l	96
36) 1,1-Dichloropropene	7.79	75	433826	19.68	ug/l	96
37) Ethyl Acetate	6.93	43	319881	24.88	ug/l	98
38) Carbon Tetrachloride	7.77	117	411547	19.19	ug/l	99

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 ClientSampleId :

Quant Time: Jun 30 01:20:24 2018
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 Quant Title : SW846 8260
 QLast Update : Fri Jun 29 15:11:52 2018
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	463141	19.16	ug/l	97
40) Benzene	8.04	78	1389949	20.65	ug/l	100
41) Methacrylonitrile	7.18	41	166119	24.20	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	473322	22.03	ug/l	96
43) Isopropyl Acetate	8.17	43	608785	23.54	ug/l	98
44) Trichloroethene	8.83	130	402542	19.83	ug/l	95
45) 1,2-Dichloropropane	9.12	63	375876	21.61	ug/l	98
46) Dibromomethane	9.21	93	234202	22.26	ug/l	91
47) Bromodichloromethane	9.40	83	482101	21.53	ug/l	97
48) Methyl methacrylate	9.20	41	280079	24.51	ug/l	89
49) 1,4-Dioxane	9.20	88	79269	516.07	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1579963	125.34	ug/l	93
52) Toluene	10.16	92	870849	21.42	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	464515	21.66	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	541435	21.60	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	338474	22.35	ug/l	96
56) Ethyl methacrylate	10.43	69	423263	23.85	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	556590	22.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	946663	107.78	ug/l	95
59) 2-Hexanone	10.75	43	1039672	124.73	ug/l	92
60) Dibromochloromethane	10.90	129	366677	22.41	ug/l	98
61) 1,2-Dibromoethane	11.01	107	331821	22.87	ug/l	99
64) Tetrachloroethene	10.63	164	478562	19.96	ug/l	97
65) Chlorobenzene	11.44	112	933111	20.20	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	349248	21.04	ug/l	99
67) Ethyl Benzene	11.51	91	1543707	20.22	ug/l	98
68) m/p-Xylenes	11.62	106	1214198	41.49	ug/l	96
69) o-Xylene	11.95	106	583914	20.84	ug/l	97
70) Styrene	11.97	104	963041	21.24	ug/l	97
71) Bromoform	12.13	173	250402	22.70	ug/l #	99
73) Isopropylbenzene	12.25	105	1512825	20.77	ug/l	98
74) N-amyl acetate	12.07	43	468456	23.55	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	400108	25.78	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	501197	34.99	ug/l #	100
77) Bromobenzene	12.53	156	413501	20.88	ug/l	90
78) n-propylbenzene	12.59	91	1735131	20.79	ug/l	98
79) 2-Chlorotoluene	12.68	91	1075466	20.36	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1290901	21.33	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	99190	22.97	ug/l	93
82) 4-Chlorotoluene	12.78	91	1097455	20.66	ug/l	98
83) tert-Butylbenzene	12.99	119	1070570	20.59	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1328888	21.37	ug/l	99
85) sec-Butylbenzene	13.17	105	1417275	20.58	ug/l	98
86) p-Isopropyltoluene	13.29	119	1251434	20.97	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	706404	20.73	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	697169	20.91	ug/l	100
89) n-Butylbenzene	13.62	91	984799	19.28	ug/l	97
90) Hexachloroethane	13.88	117	120969	19.30	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	720246	21.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64167	24.74	ug/l	83

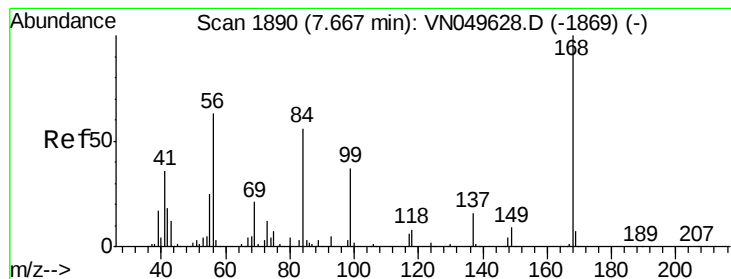
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
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Instrument :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 29 15:11:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	317443	20.34	ug/l	98
94) Hexachlorobutadiene	15.01	225	214768	20.81	ug/l	98
95) Naphthalene	15.14	128	705048	22.11	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	323673	21.21	ug/l	98

(#) = 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: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

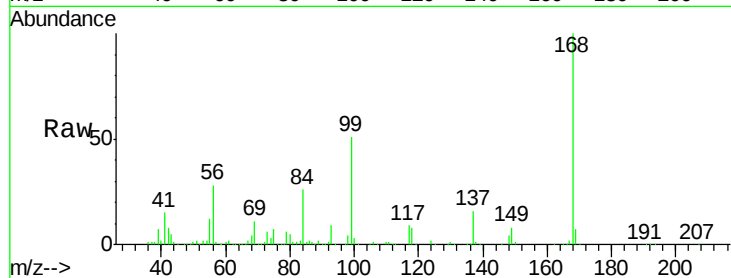
ClientSampleId :

Tot Ion:168 Resp: 1278200

Ion Ratio Lower Upper

168 100

99 50.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

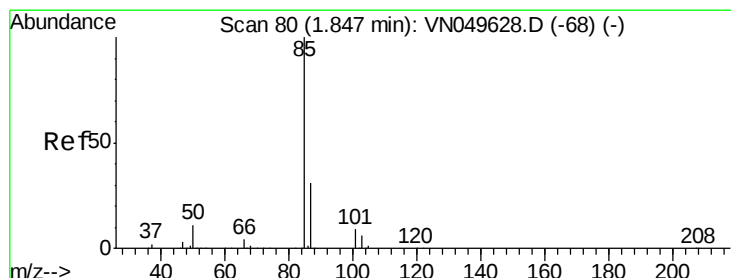
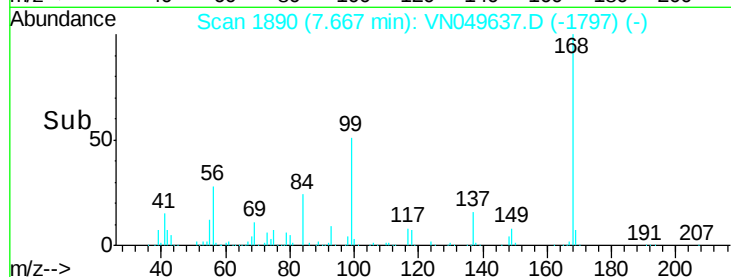
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 21.13 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049637.D

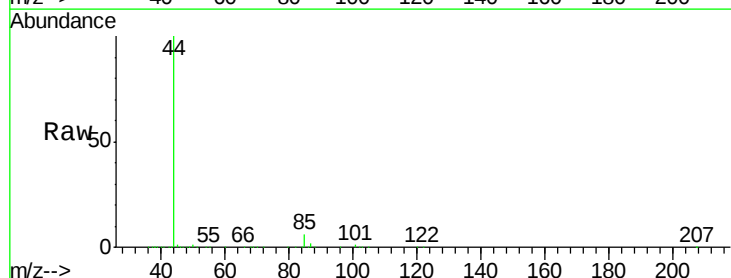
Acq: 29 Jun 2018 17:49

Tgt Ion: 85 Resp: 304370

Ion Ratio Lower Upper

85 100

87 30.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

250000

200000

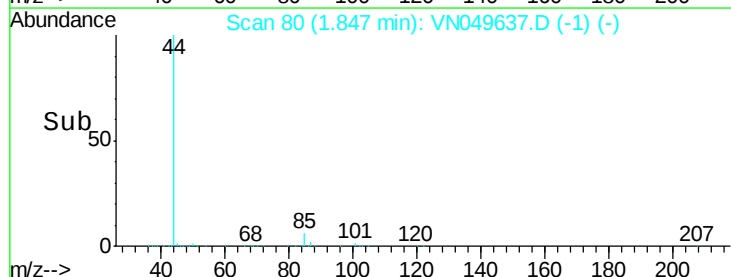
150000

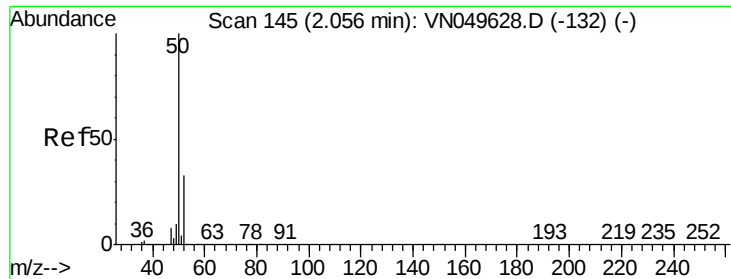
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 20.50 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

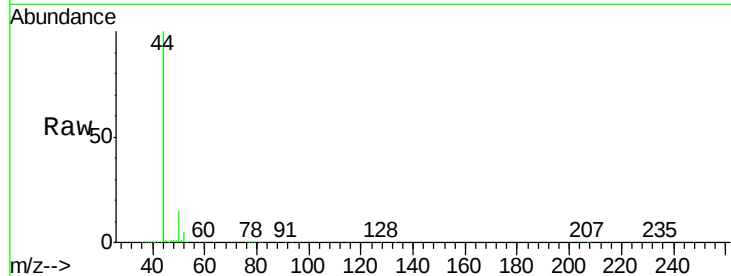
ClientSampleId :

Tot Ion: 50 Resp: 368749

Ion Ratio Lower Upper

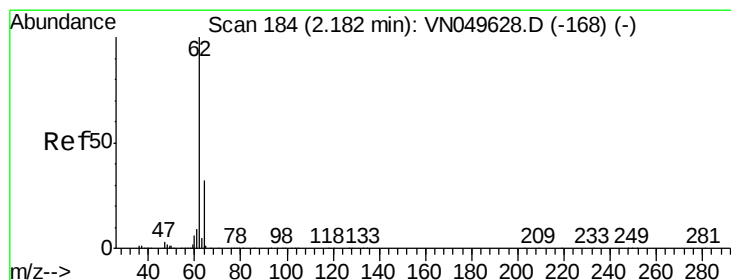
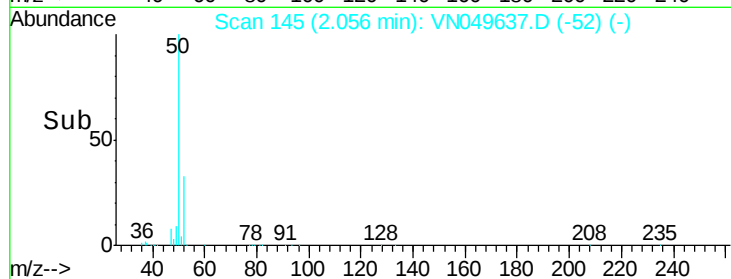
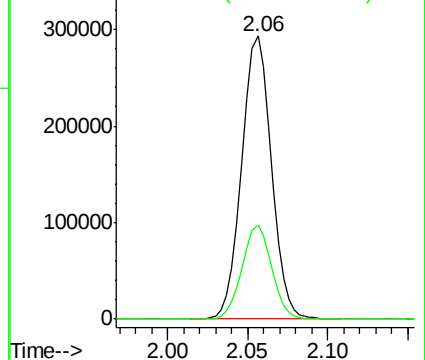
50 100

52 33.0 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.12 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.01 min

Lab File: VN049637.D

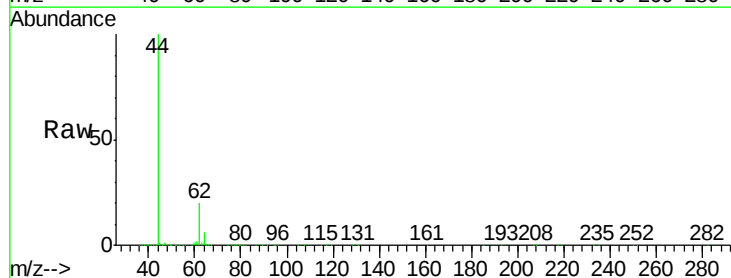
Acq: 29 Jun 2018 17:49

Tgt Ion: 62 Resp: 388705

Ion Ratio Lower Upper

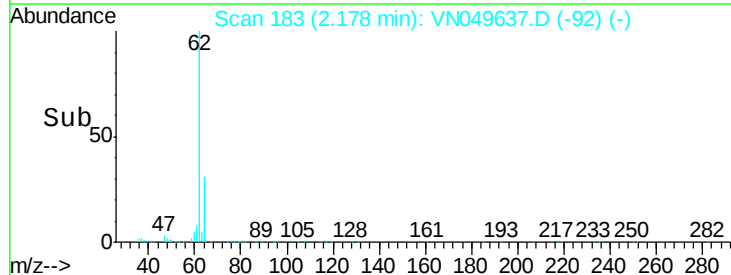
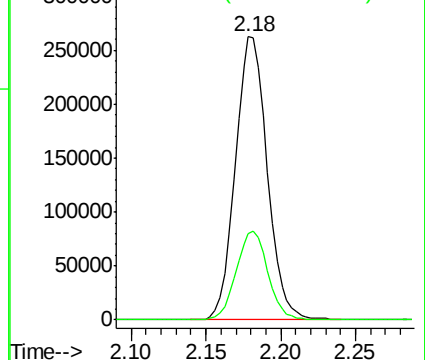
62 100

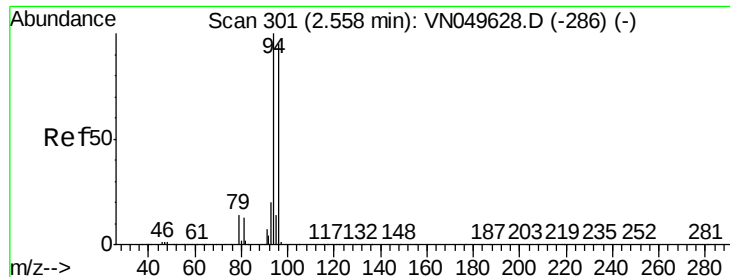
64 30.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.64 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

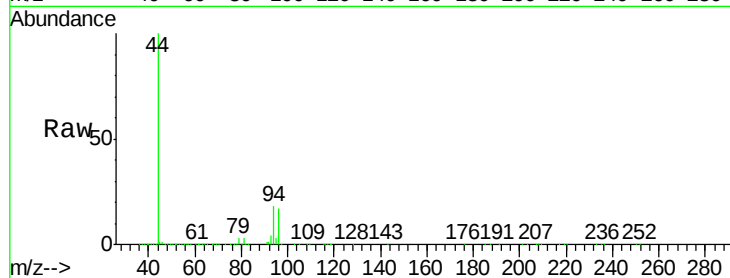
ClientSampled :

Tot Ion: 94 Resp: 209486

Ion Ratio Lower Upper

94 100

96 93.0 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

120000

100000

80000

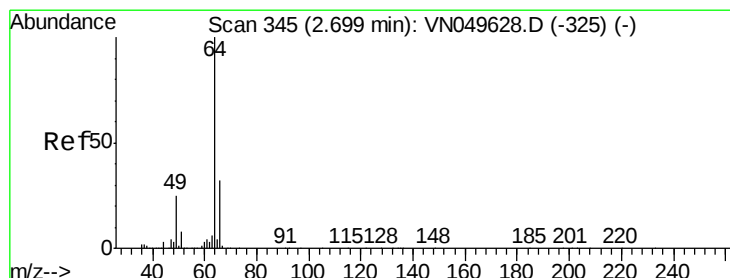
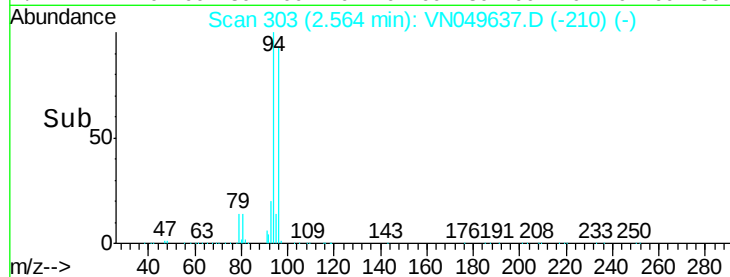
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 20.18 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049637.D

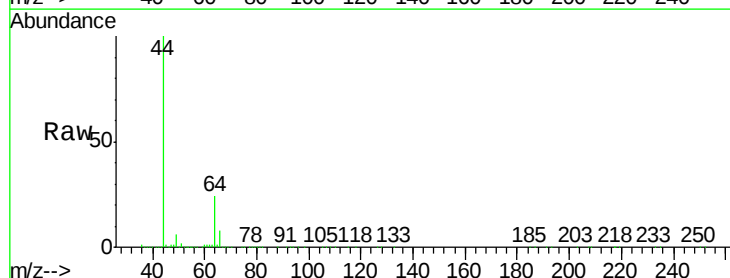
Acq: 29 Jun 2018 17:49

Tgt Ion: 64 Resp: 246796

Ion Ratio Lower Upper

64 100

66 32.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

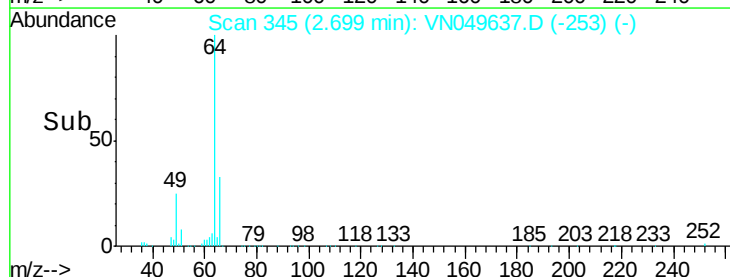
150000

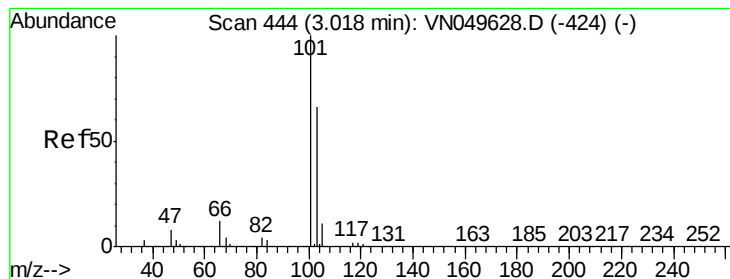
100000

50000

0

Time-->



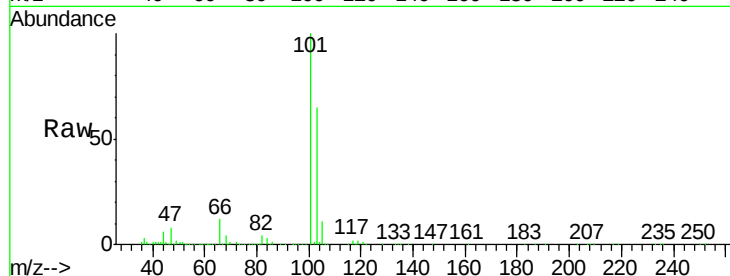


#7

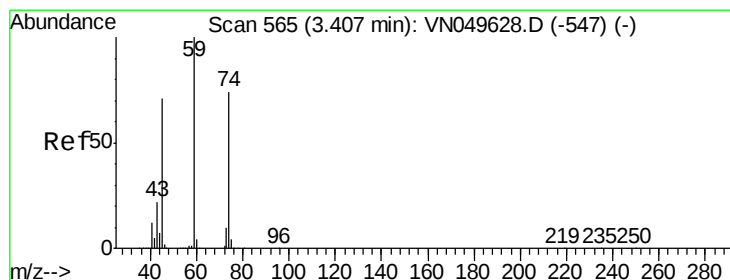
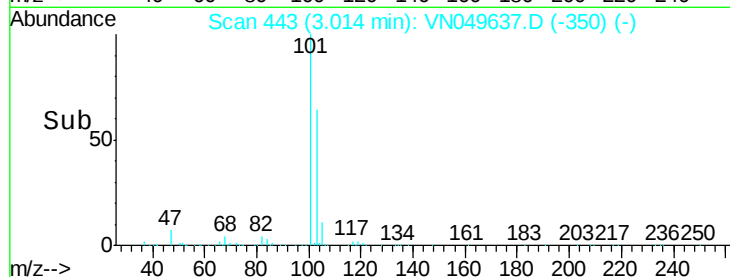
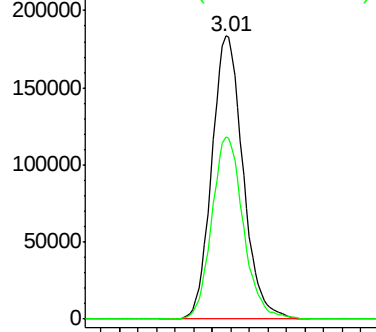
Trichlorofluoromethane
Concen: 19.41 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 428486
Ion Ratio Lower Upper
101 100
103 64.5 51.7 77.5



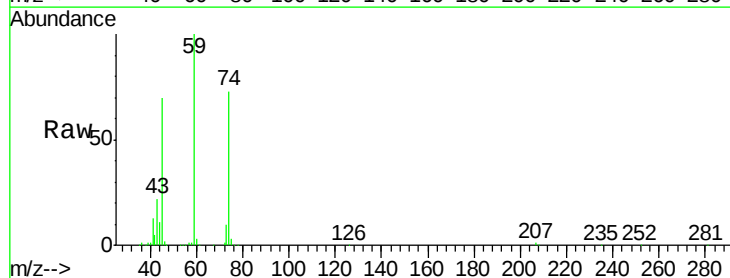
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



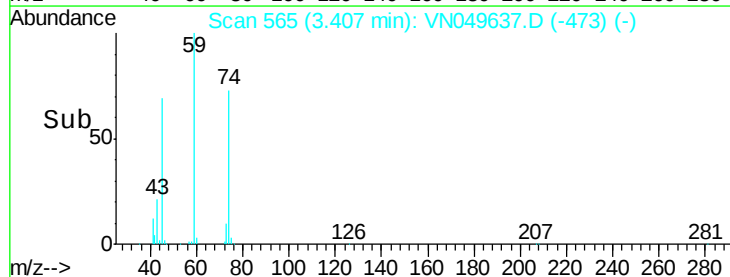
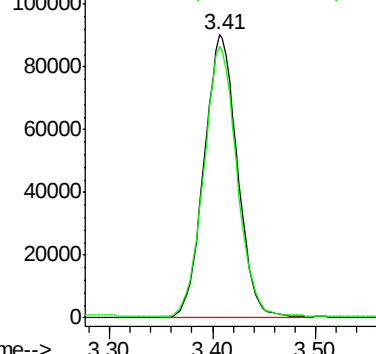
#8

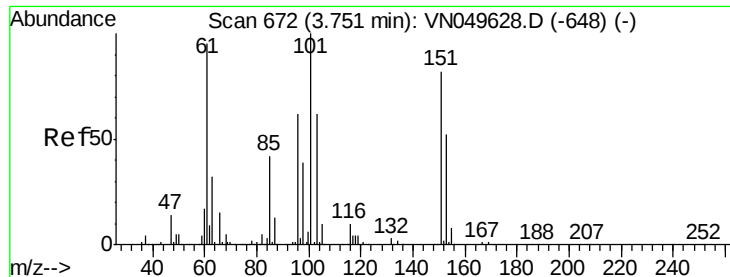
Diethyl Ether
Concen: 22.62 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

Tgt Ion: 74 Resp: 202415
Ion Ratio Lower Upper
74 100
45 95.3 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: 19.85 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

ClientSampled :

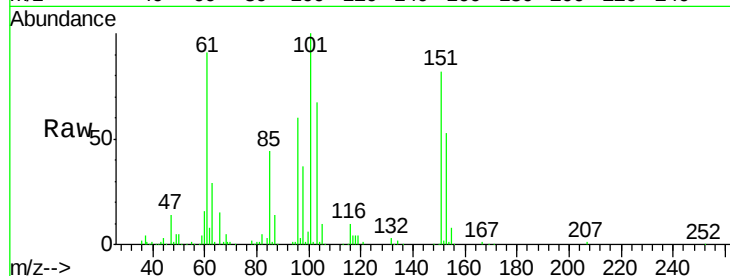
Tot Ion:101 Resp: 315162

Ion Ratio Lower Upper

101 100

85 42.3 37.6 56.4

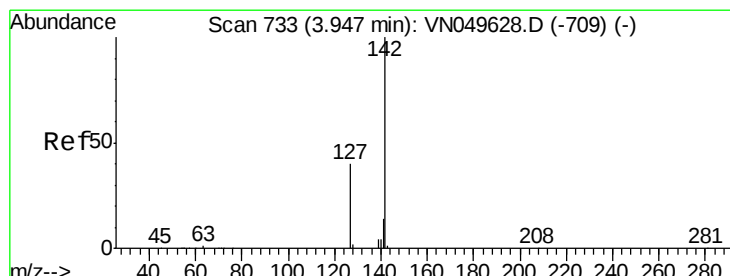
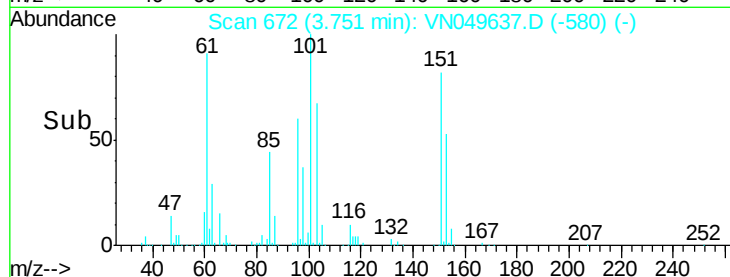
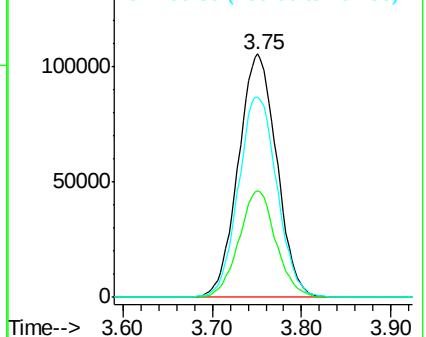
151 82.9 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.49 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

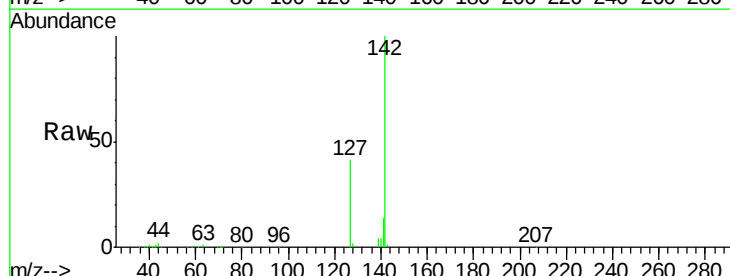
Tgt Ion:142 Resp: 446929

Ion Ratio Lower Upper

142 100

127 40.4 38.2 57.4

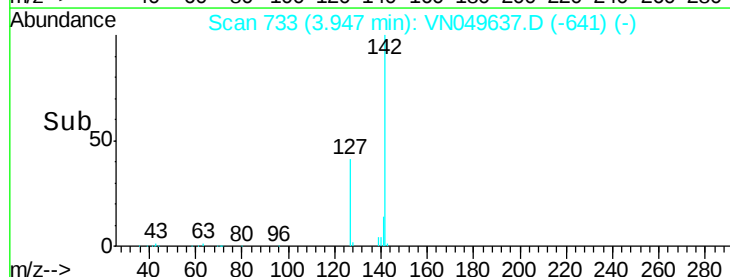
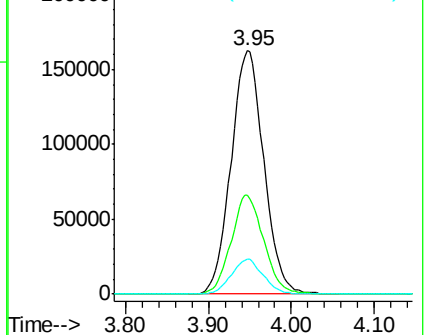
141 14.0 11.9 17.9

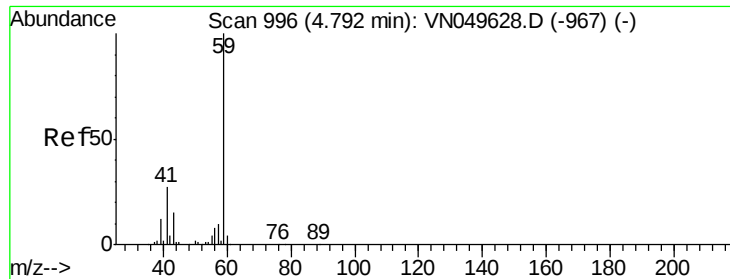


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



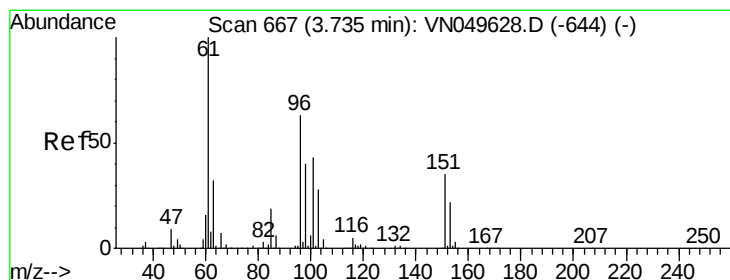
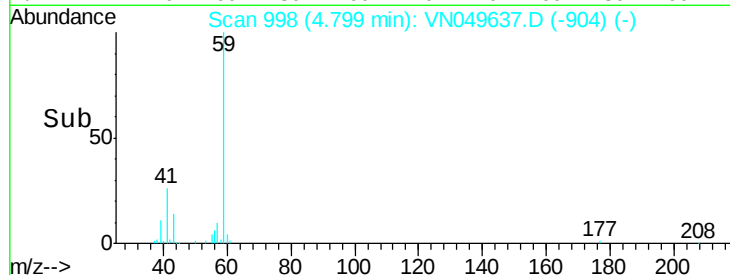
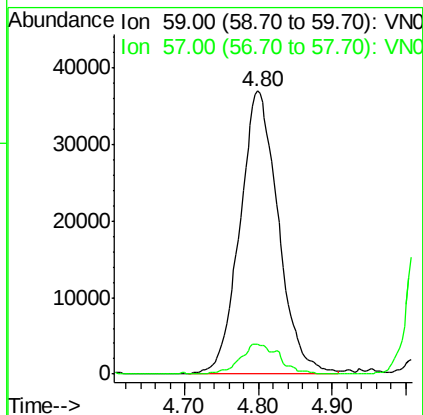
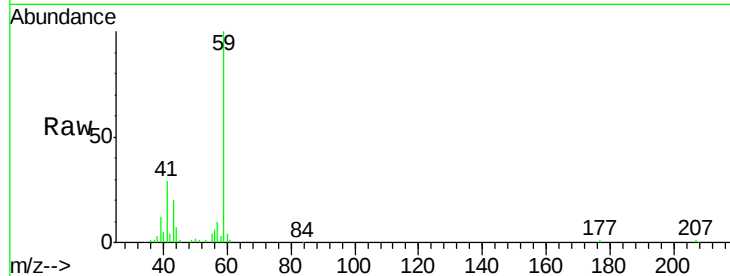


#11

Tert butyl alcohol
 Concen: 138.51 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

Instrument :
 MSVOA_N
 ClientSampled :

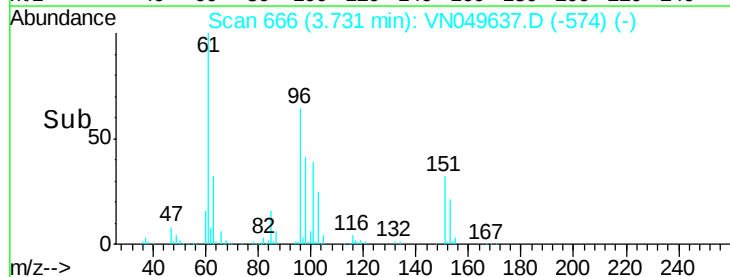
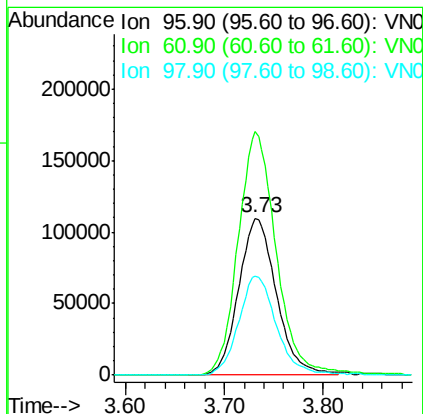
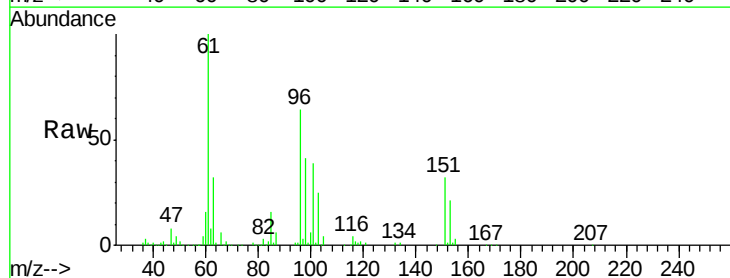
Tot Ion: 59 Resp: 134165
 Ion Ratio Lower Upper
 59 100
 57 7.9 9.0 13.6#

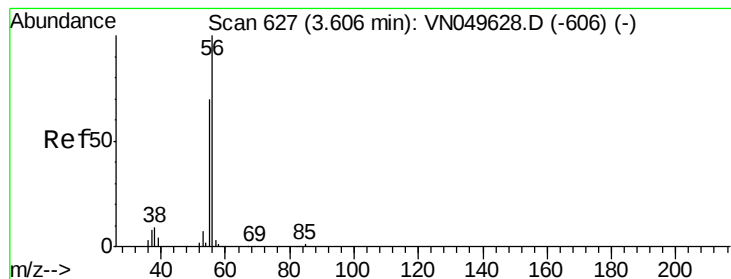


#12

1,1-Dichloroethene
 Concen: 19.38 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

Tgt Ion: 96 Resp: 290948
 Ion Ratio Lower Upper
 96 100
 61 155.2 141.0 211.4
 98 63.4 50.4 75.6





#13

Acrolein

Concen: 115.32 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

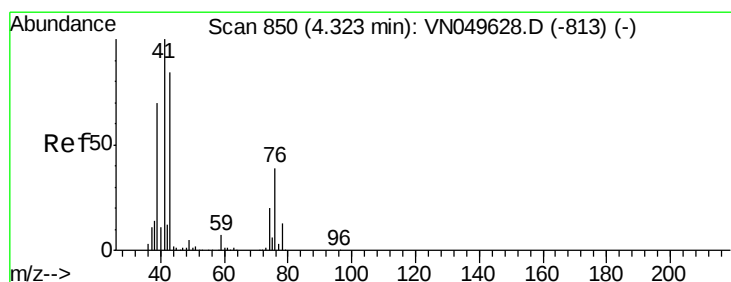
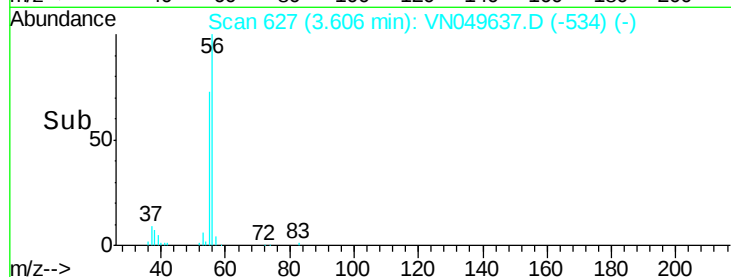
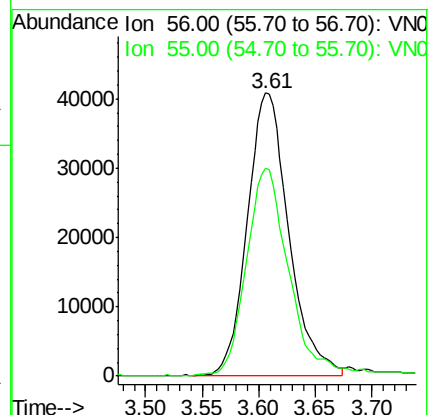
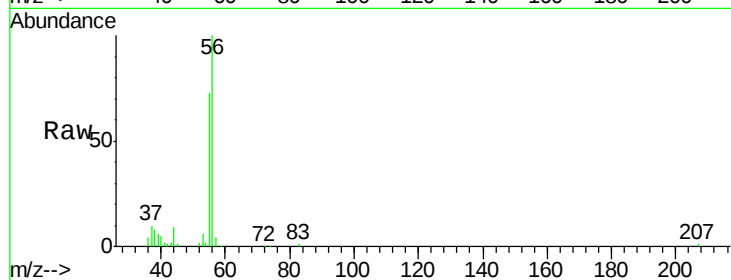
ClientSampled :

Tot Ion: 56 Resp: 104343

Ion Ratio Lower Upper

56 100

55 74.9 57.1 85.7



#14

Allyl chloride

Concen: 20.70 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

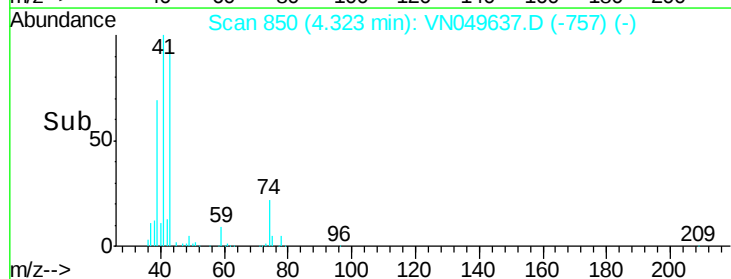
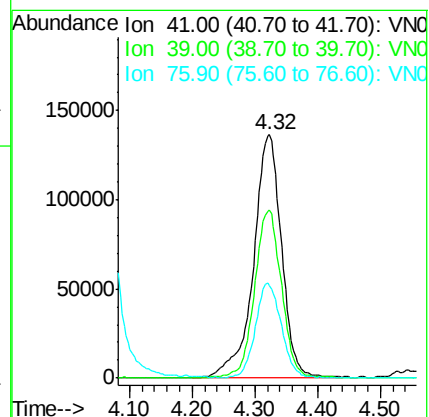
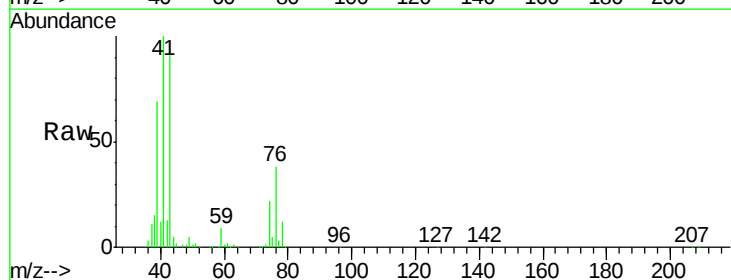
Tgt Ion: 41 Resp: 426812

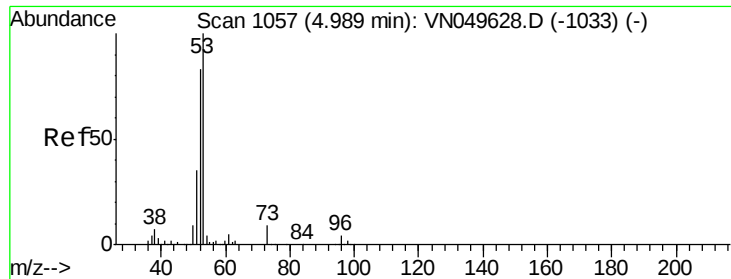
Ion Ratio Lower Upper

41 100

39 65.8 62.5 93.7

76 35.0 27.1 40.7





#15

Acrylonitrile

Concen: 119.87 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

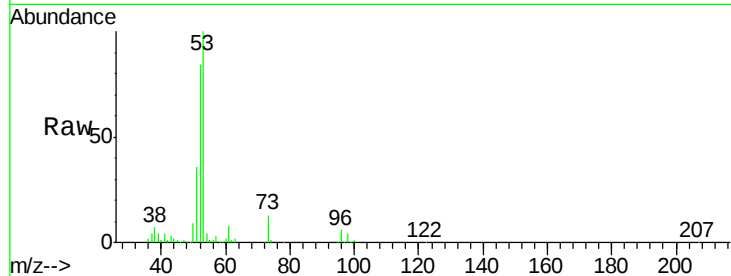
Tot Ion: 53 Resp: 599679

Ion Ratio Lower Upper

53 100

52 83.1 66.6 100.0

51 36.5 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN049628.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN049628.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN049628.D (-1033) (-)

5.00

200000

150000

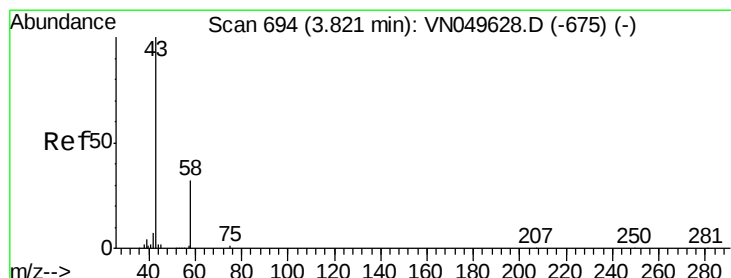
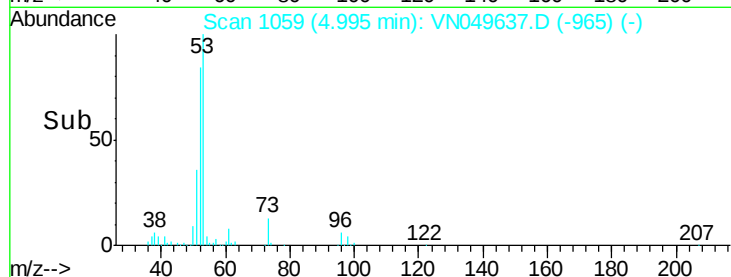
100000

50000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 128.37 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049637.D

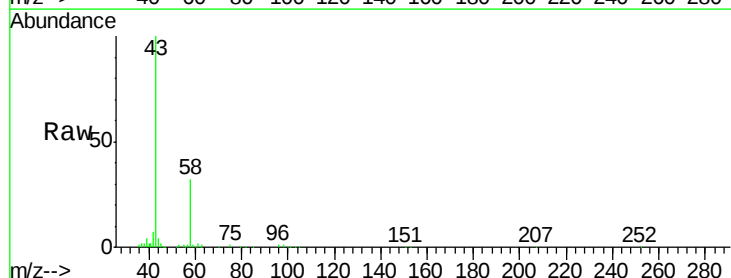
Acq: 29 Jun 2018 17:49

Tgt Ion: 43 Resp: 459302

Ion Ratio Lower Upper

43 100

58 31.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-675) (-)

Ion 58.00 (57.70 to 58.70): VN049628.D (-675) (-)

3.82

200000

150000

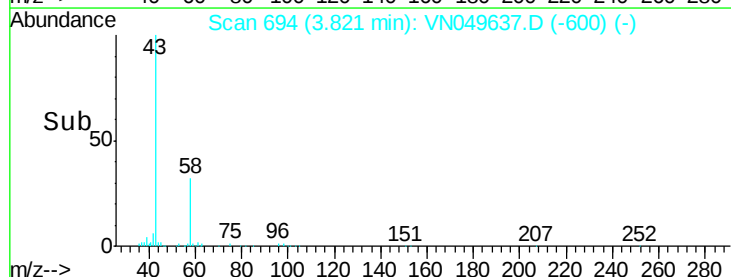
100000

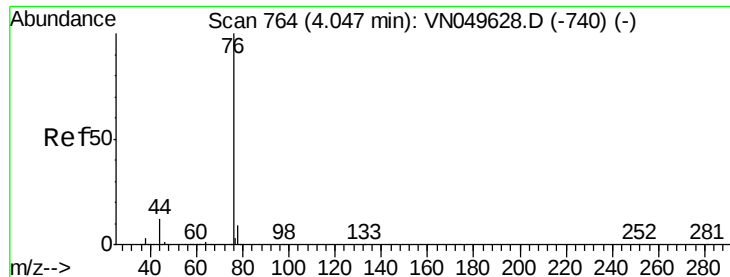
50000

0

3.70 3.80 3.90

Time-->

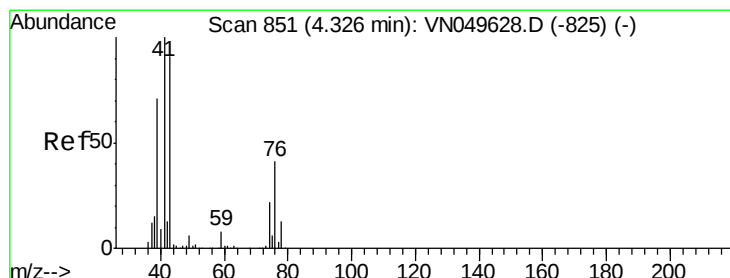
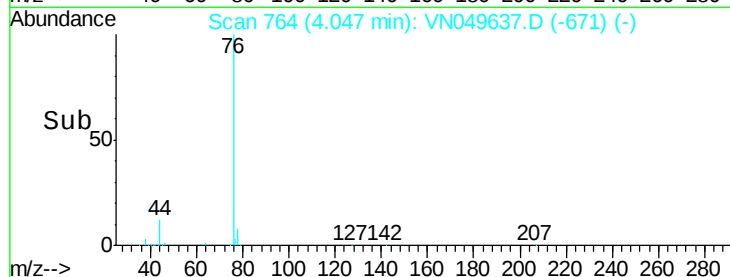
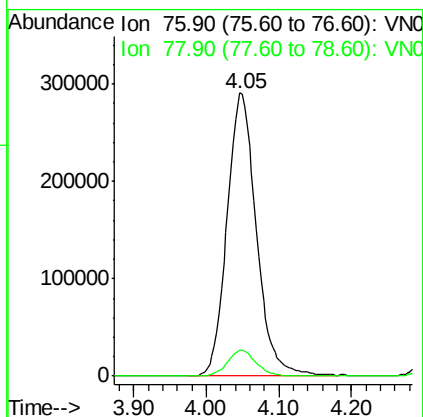
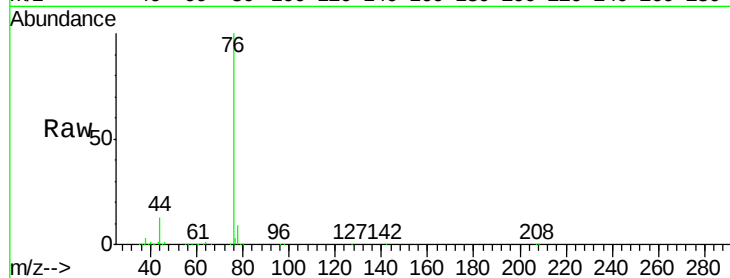




#17
Carbon Disulfide
Concen: 19.62 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

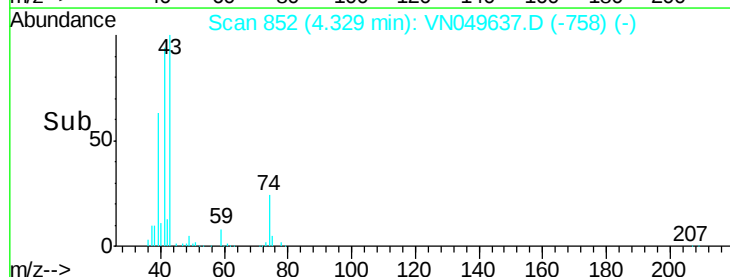
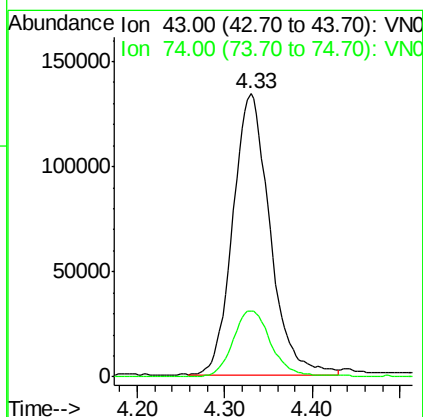
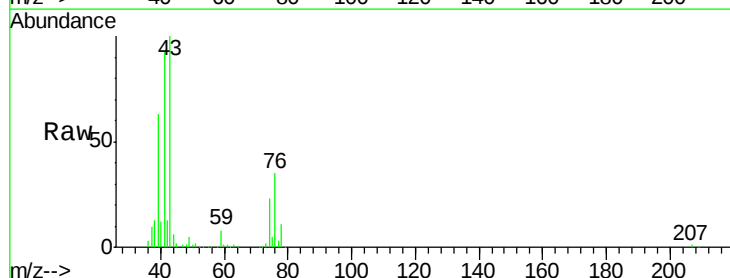
Instrument :
MSVOA_N
ClientSampleId :

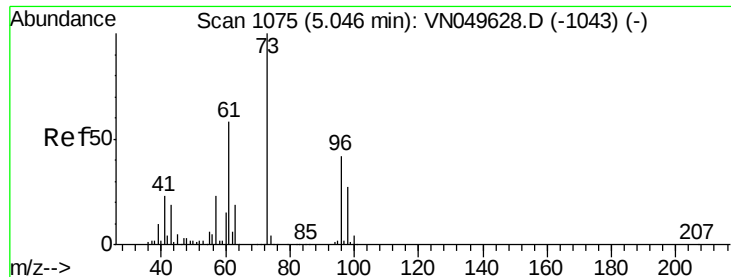
Tot Ion: 76 Resp: 819630
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 22.94 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

Tgt Ion: 43 Resp: 391913
Ion Ratio Lower Upper
43 100
74 24.3 17.4 26.0



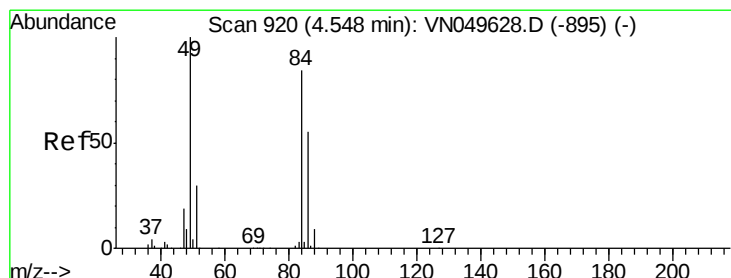
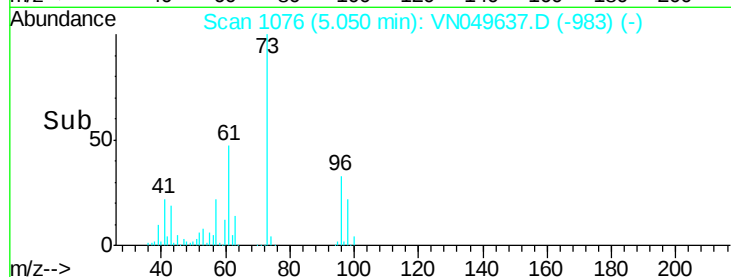
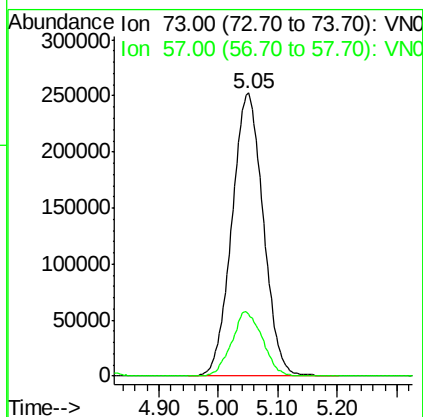
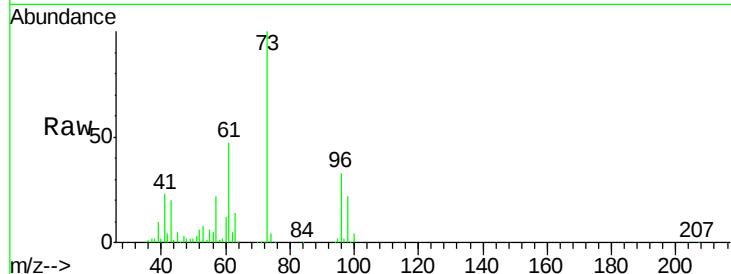


#19

Methyl tert-butyl Ether
 Concen: 23.93 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

Instrument :
 MSVOA_N
 ClientSampled :

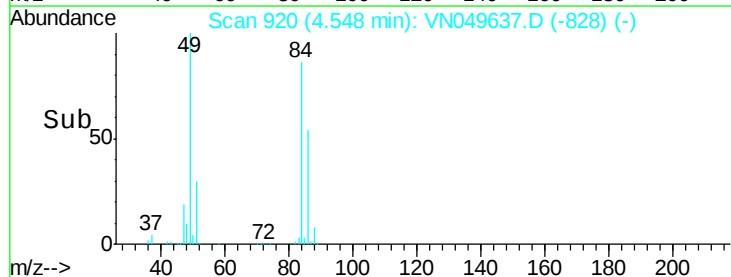
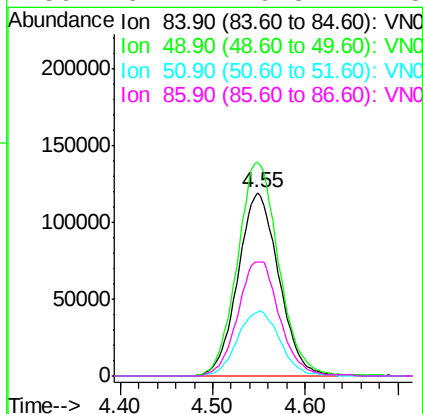
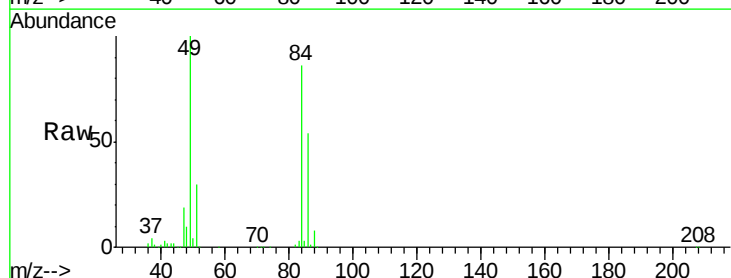
Tot Ion: 73 Resp: 926322
 Ion Ratio Lower Upper
 73 100
 57 22.0 18.2 27.4

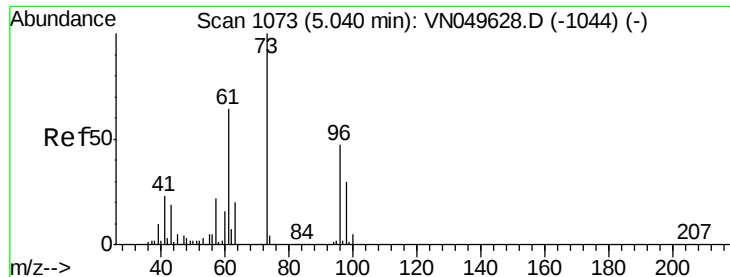


#20

Methylene Chloride
 Concen: 21.01 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

Tgt Ion: 84 Resp: 365223
 Ion Ratio Lower Upper
 84 100
 49 116.5 106.9 160.3
 51 35.3 32.7 49.1
 86 62.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.19 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

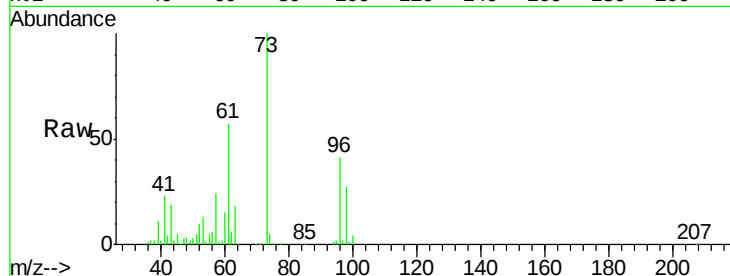
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 96 Resp: 311927

Ion	Ratio	Lower	Upper
96	100		
61	138.8	121.3	181.9
98	65.3	52.0	78.0

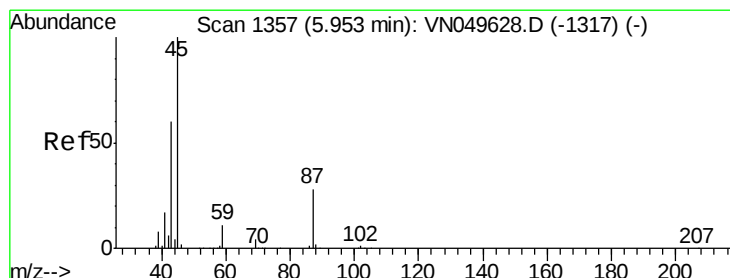
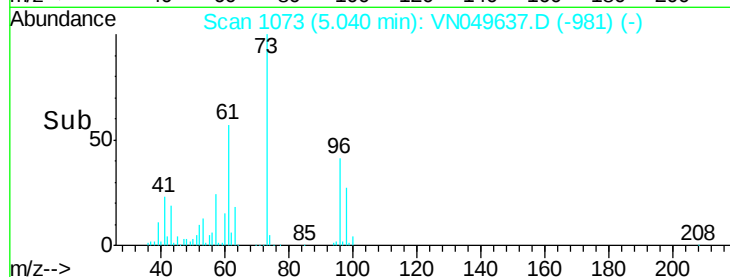
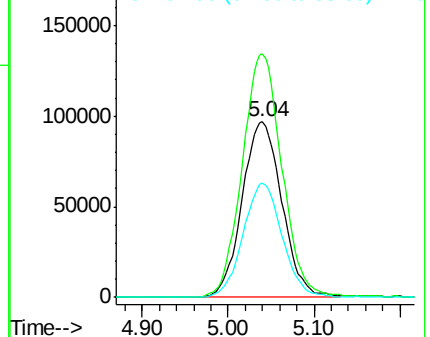


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 22.74 ug/l

RT: 5.95 min Scan# 1357

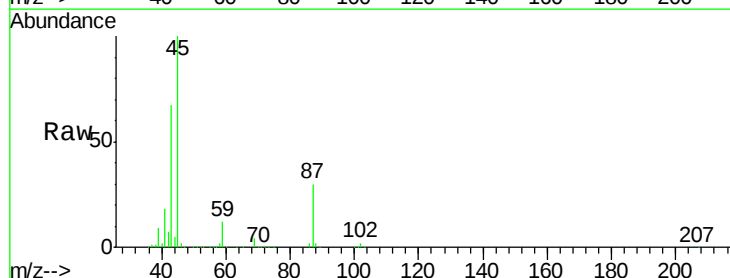
Delta R.T. -0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Tgt Ion: 45 Resp: 1060852

Ion	Ratio	Lower	Upper
45	100		
43	65.0	48.6	72.8
87	29.4	20.2	30.2
59	12.1	9.0	13.4



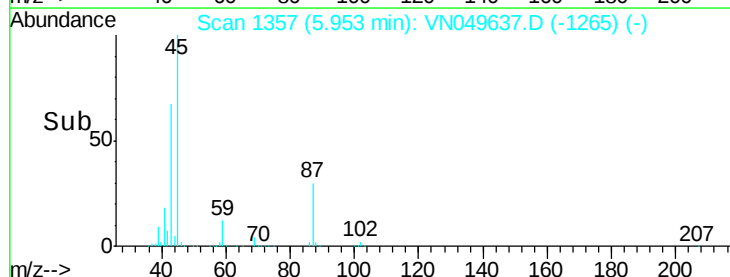
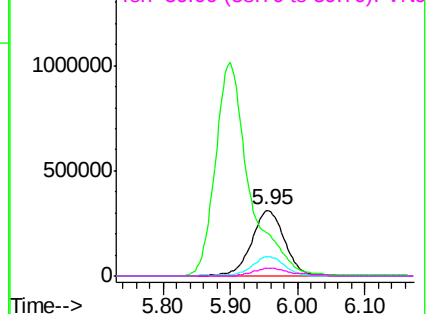
Abundance

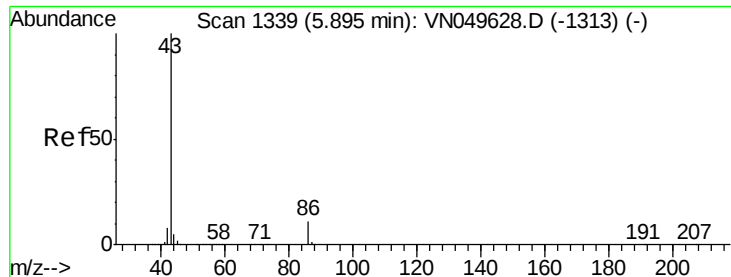
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 118.43 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

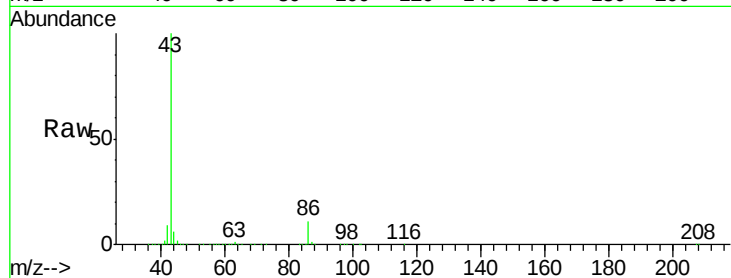
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3583002

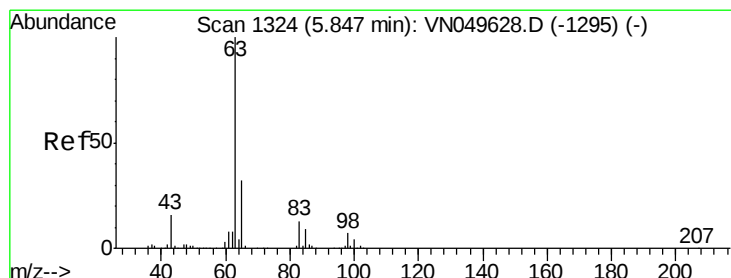
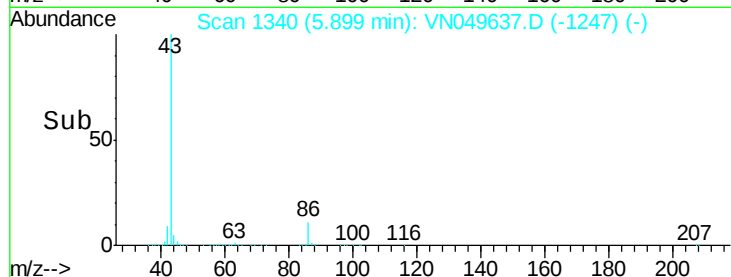
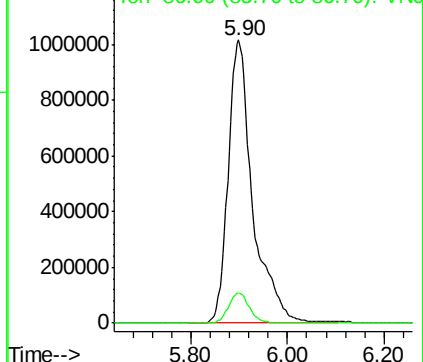
Ion Ratio Lower Upper

43 100

86 10.6 7.2 10.8



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



#24

1,1-Dichloroethane

Concen: 21.07 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

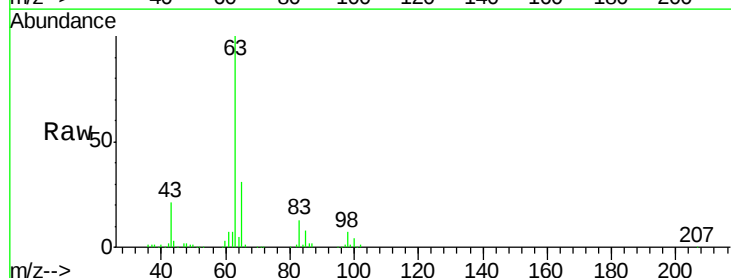
Tgt Ion: 63 Resp: 619249

Ion Ratio Lower Upper

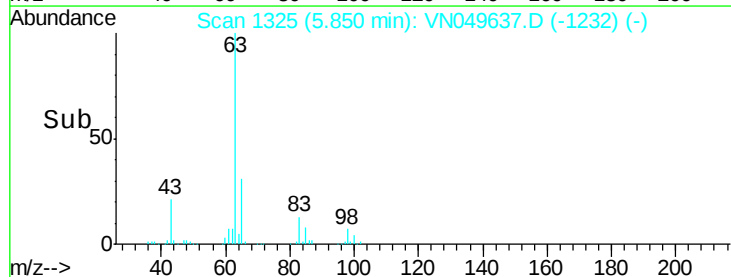
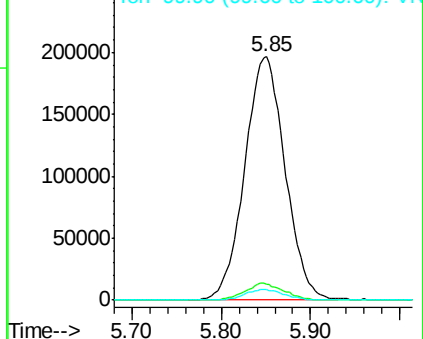
63 100

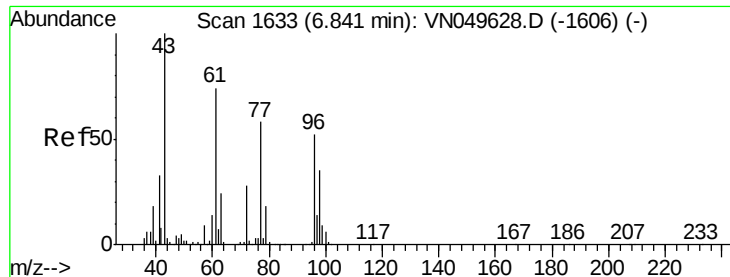
98 6.6 2.9 8.8

100 4.1 2.1 6.3



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





#25

2-Butanone

Concen: 124.85 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

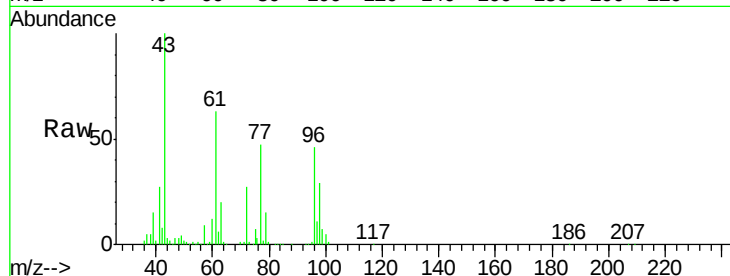
ClientSampleId :

Tot Ion: 43 Resp: 699649

Ion Ratio Lower Upper

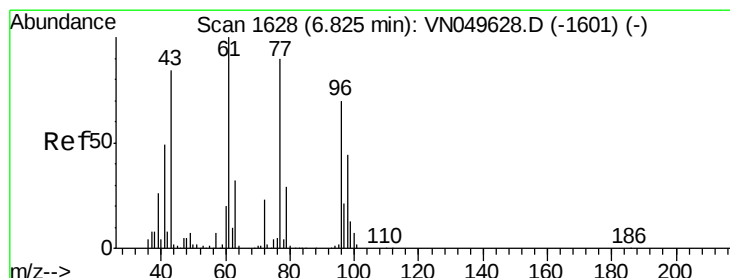
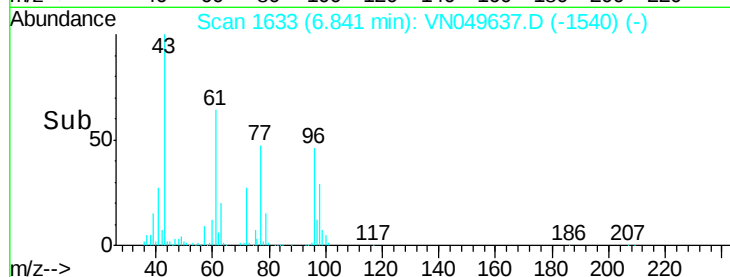
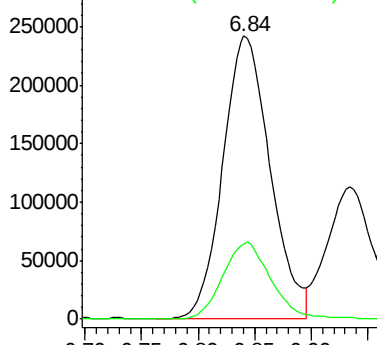
43 100

72 26.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.66 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049637.D

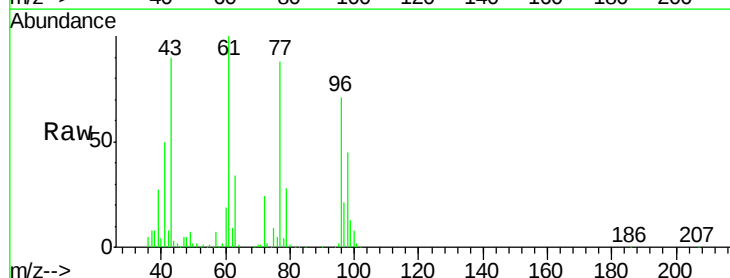
Acq: 29 Jun 2018 17:49

Tgt Ion: 77 Resp: 479820

Ion Ratio Lower Upper

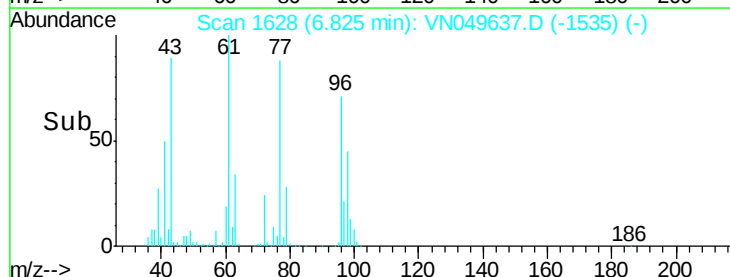
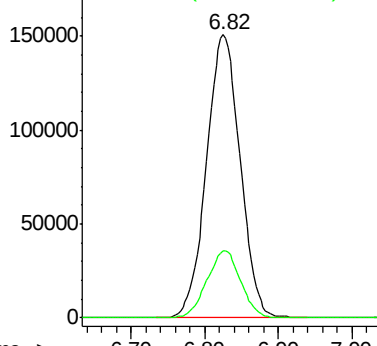
77 100

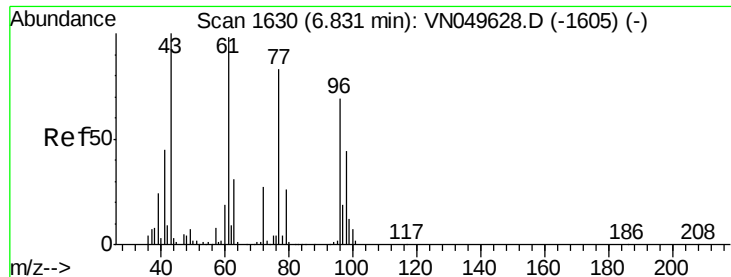
97 23.8 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 21.76 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

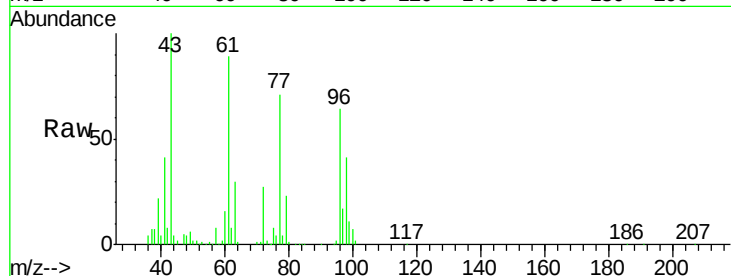
Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 375628

Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	316.4
98	63.9	0.0	128.4

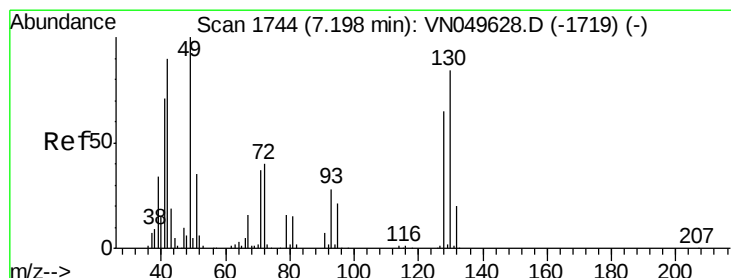
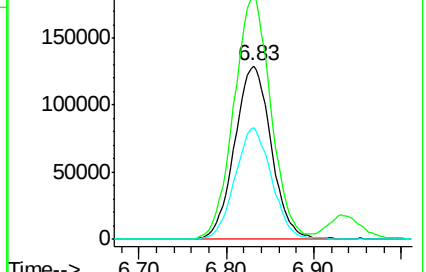
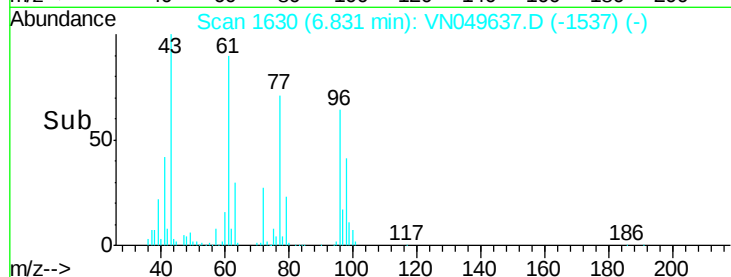


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 23.20 ug/l

RT: 7.20 min Scan# 1744

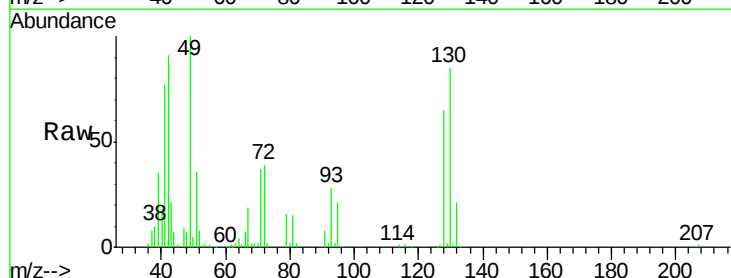
Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Tgt Ion: 49 Resp: 289387

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	83.6	54.9	82.3#

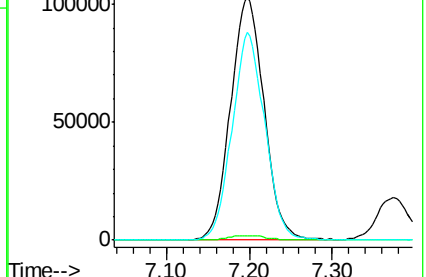
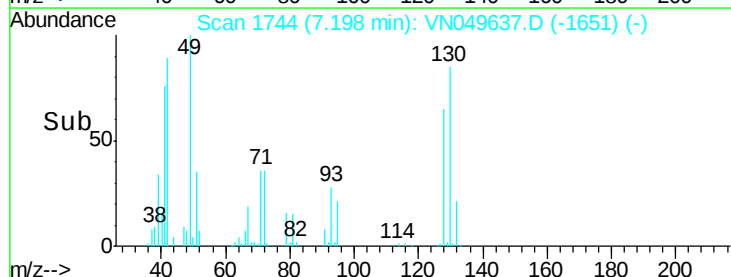


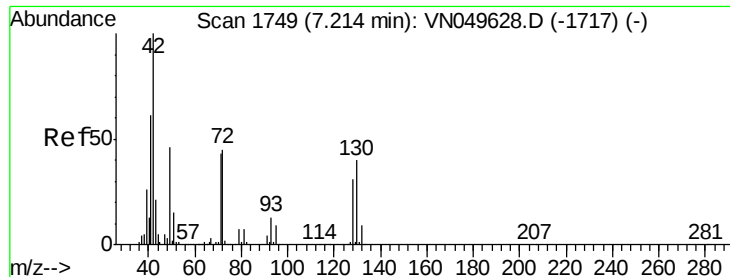
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 128.46 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

ClientSampled :

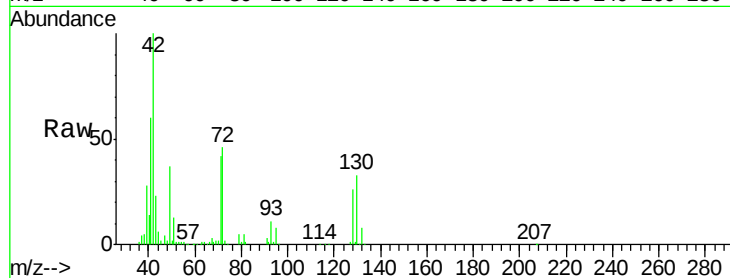
Tot Ion: 42 Resp: 458821

Ion Ratio Lower Upper

42 100

72 44.8 32.2 48.4

71 42.1 30.5 45.7

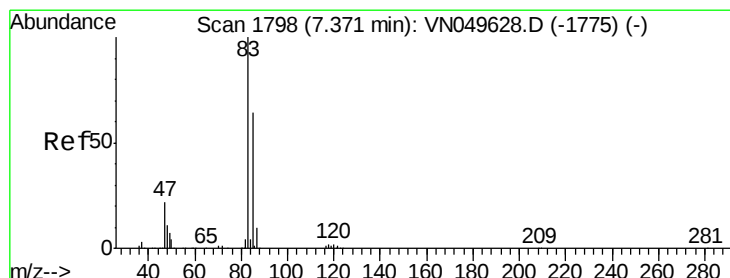
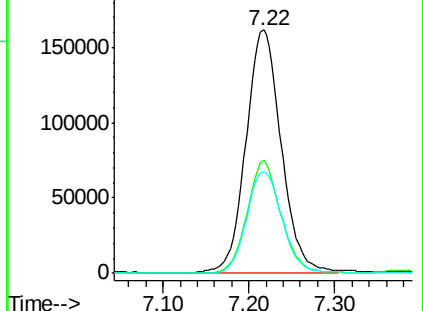
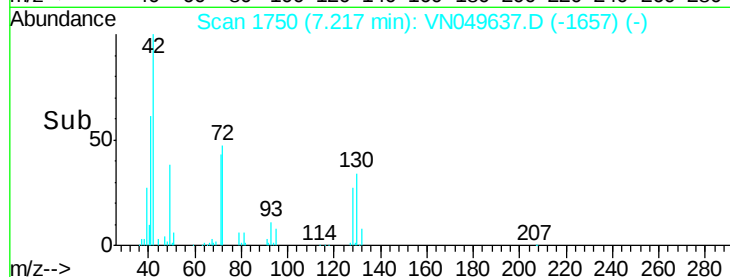


Abundance Ion 42.00 (41.70 to 42.70): VN049628.D (-1717) (-)

Ion 72.00 (71.70 to 72.70): VN049628.D (-1717) (-)

Ion 71.00 (70.70 to 71.70): VN049628.D (-1717) (-)

Time-->



#30

Chloroform

Concen: 21.31 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN049637.D

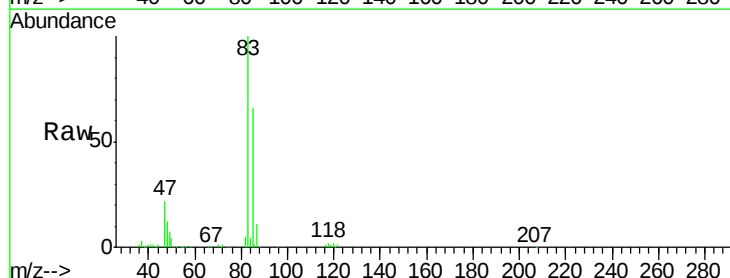
Acq: 29 Jun 2018 17:49

Tgt Ion: 83 Resp: 638452

Ion Ratio Lower Upper

83 100

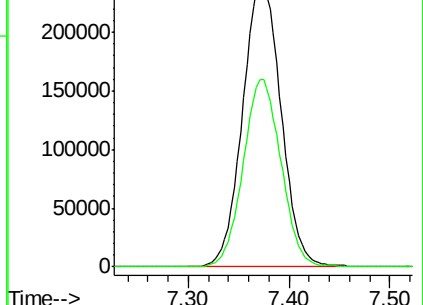
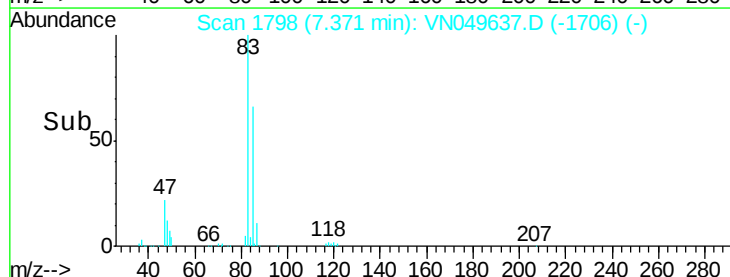
85 66.2 51.7 77.5

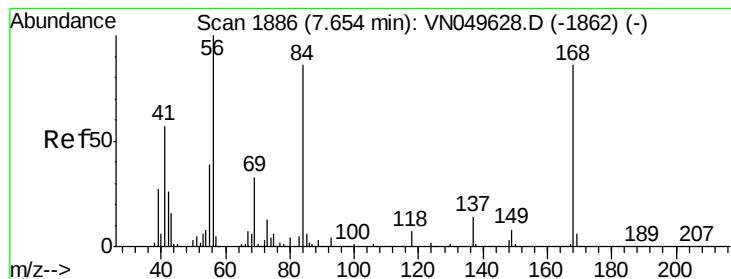


Abundance Ion 82.90 (82.60 to 83.60): VN049628.D (-1775) (-)

Ion 84.90 (84.60 to 85.60): VN049628.D (-1775) (-)

Time-->





#31

Cyclohexane

Concen: 19.98 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

ClientSampled :

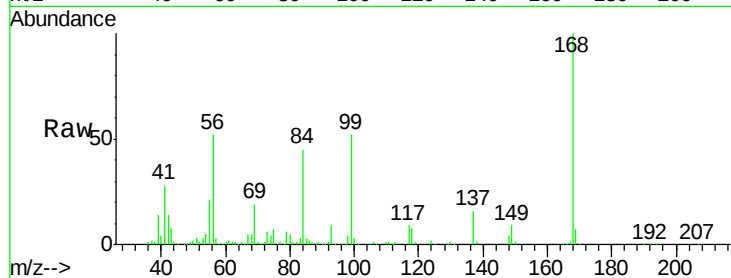
Tot Ion: 56 Resp: 514602

Ion Ratio Lower Upper

56 100

69 35.9 25.0 37.4

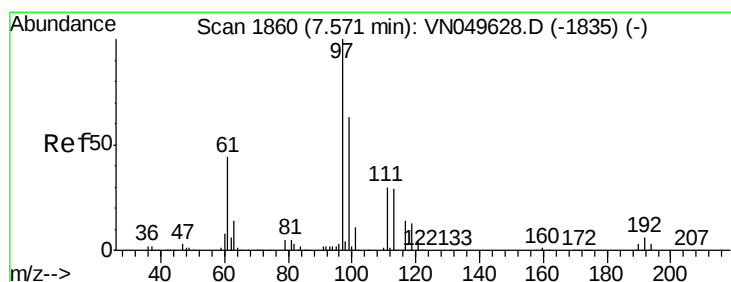
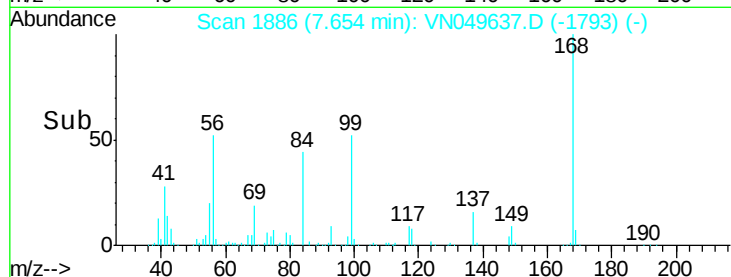
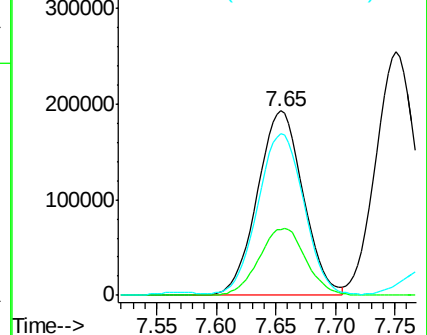
84 86.0 64.6 96.8



Abundance Ion 56.00 (55.70 to 56.70): VN049637.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049637.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049637.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 20.41 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

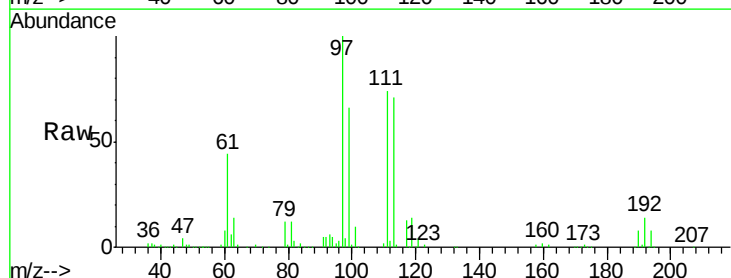
Tgt Ion: 97 Resp: 517682

Ion Ratio Lower Upper

97 100

99 65.5 50.5 75.7

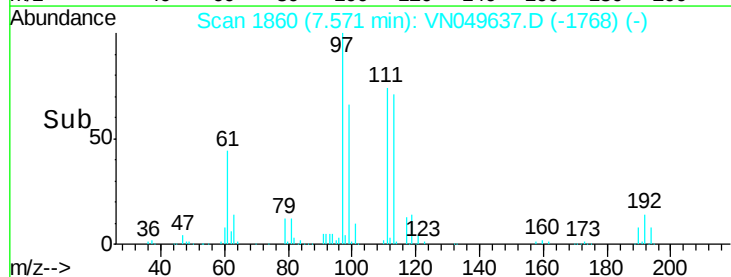
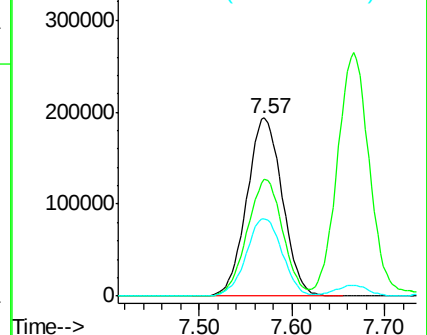
61 44.0 37.9 56.9

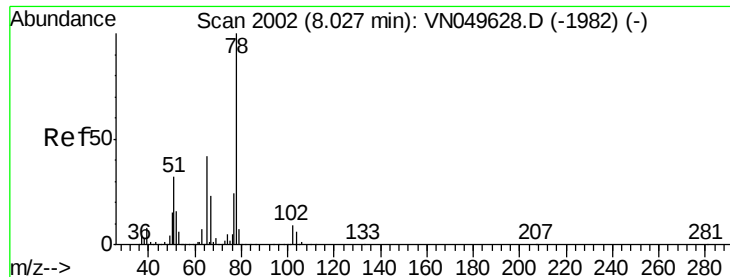


Abundance Ion 96.90 (96.60 to 97.60): VN049637.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN049637.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN049637.D (-1768) (-)

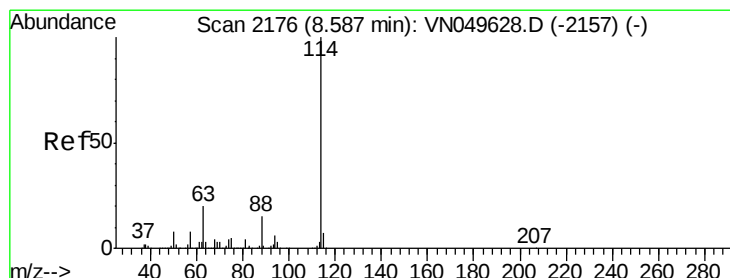
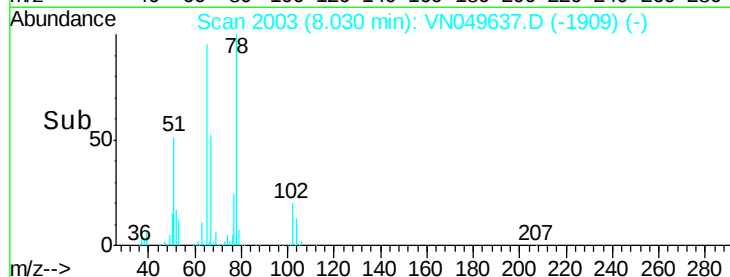
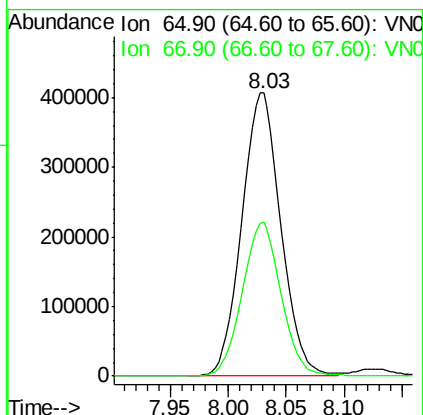
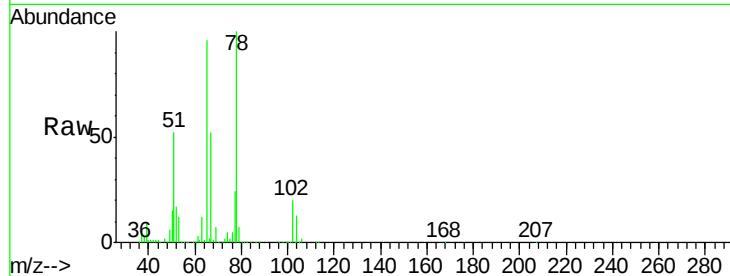




#33
 1,2-Dichloroethane-d4
 Concen: 56.41 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

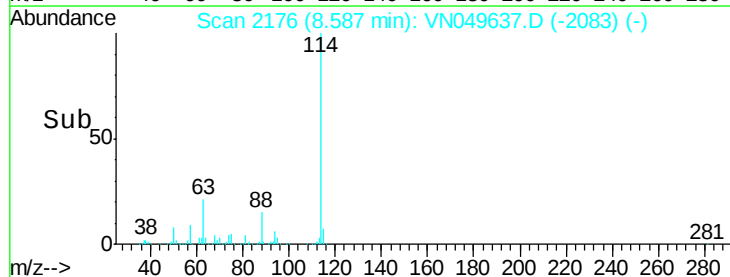
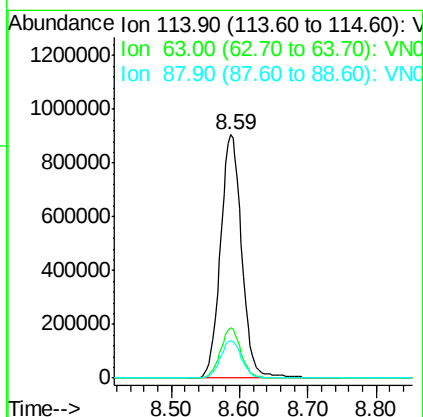
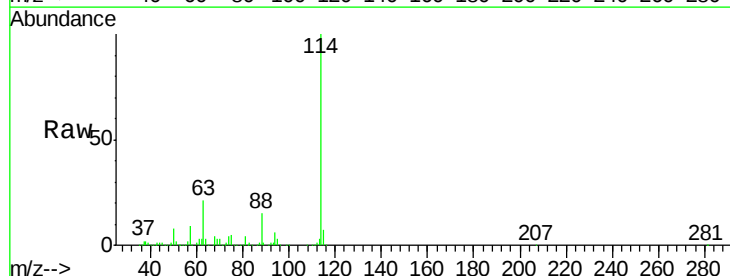
Instrument :
 MSVOA_N
 ClientSampled :

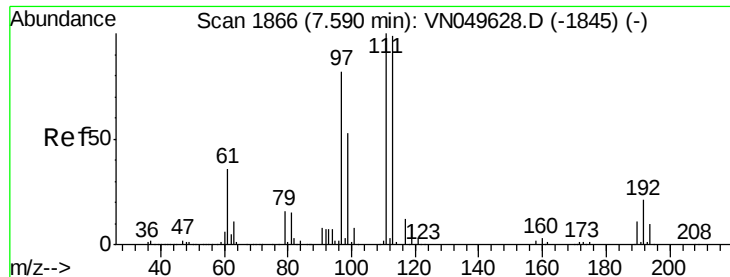
Tot Ion: 65 Resp: 952262
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

Tgt Ion: 114 Resp: 1959320
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 44.4
 88 15.3 0.0 31.4

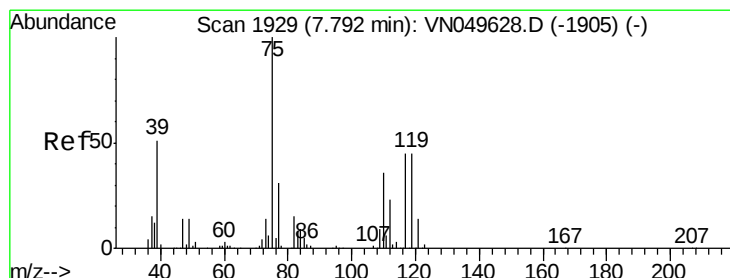
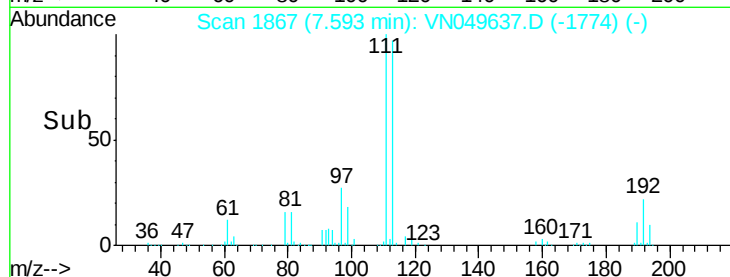
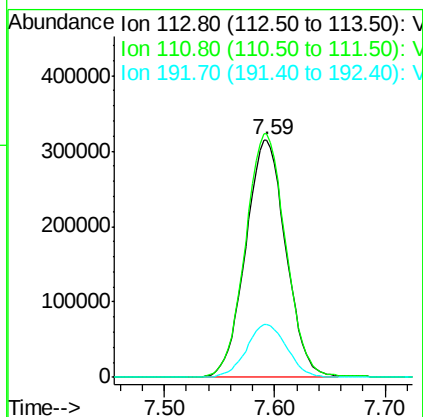
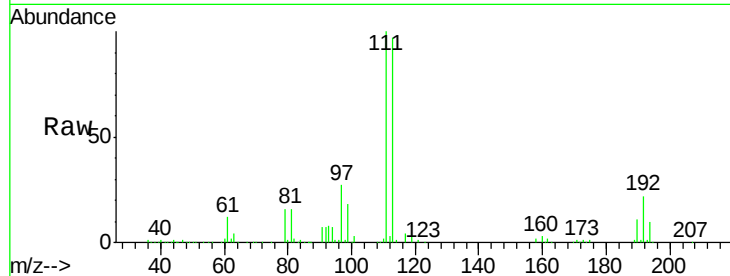




#35
Dibromofluoromethane
Concen: 54.15 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

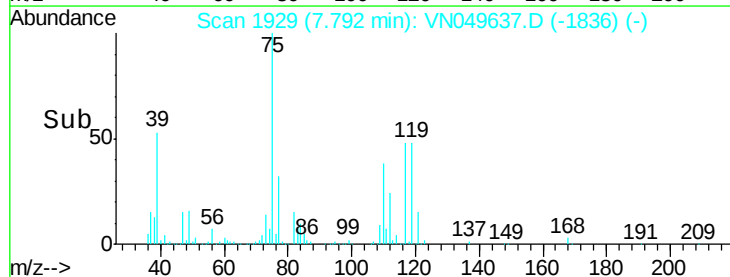
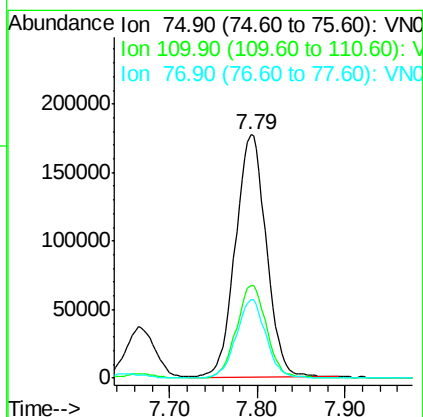
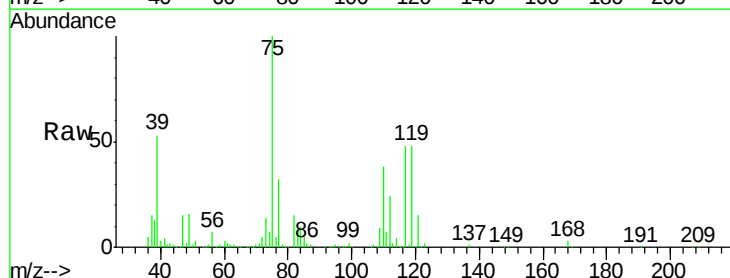
Instrument :
MSVOA_N
ClientSampleId :

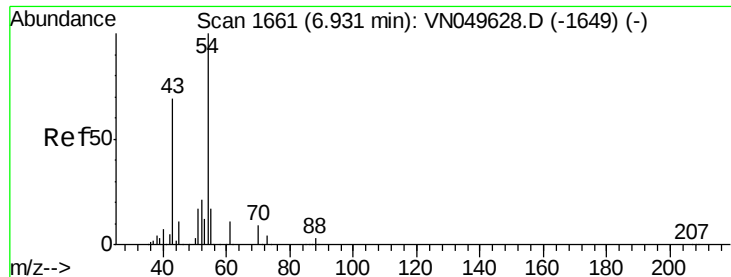
Tot Ion:113 Resp: 793183
Ion Ratio Lower Upper
113 100
111 103.5 82.4 123.6
192 22.4 15.0 22.6



#36
1,1-Dichloropropene
Concen: 19.68 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

Tgt Ion: 75 Resp: 433826
Ion Ratio Lower Upper
75 100
110 37.4 17.0 50.9
77 31.4 24.4 36.6

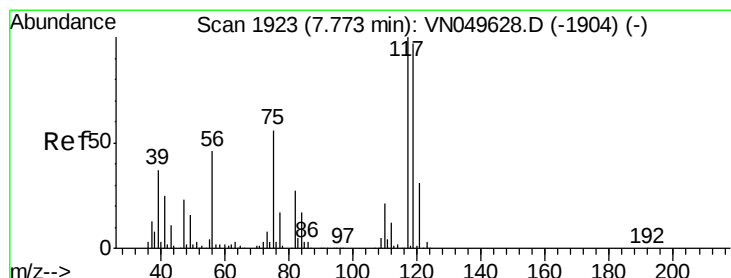
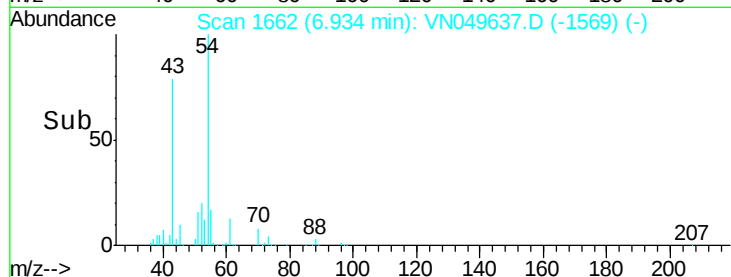
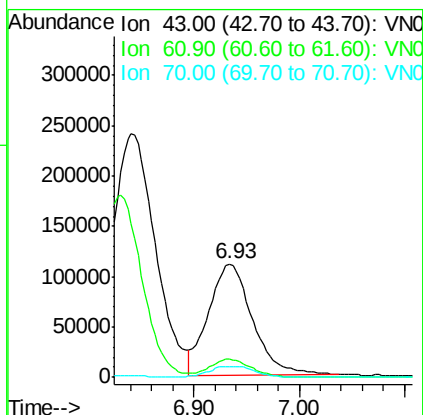
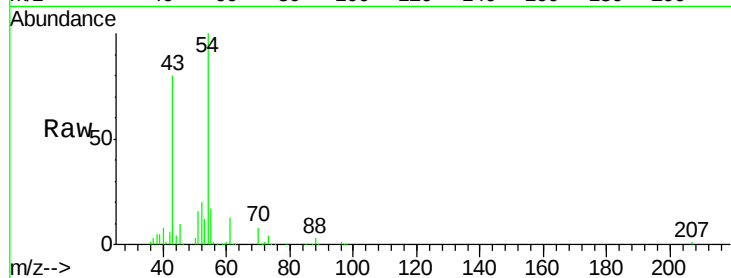




#37
Ethyl Acetate
Concen: 24.88 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

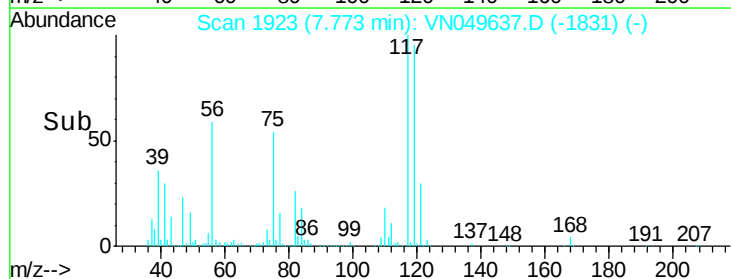
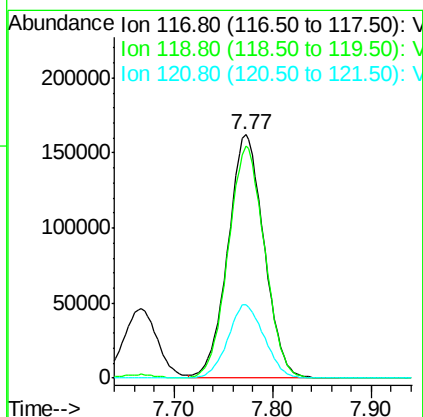
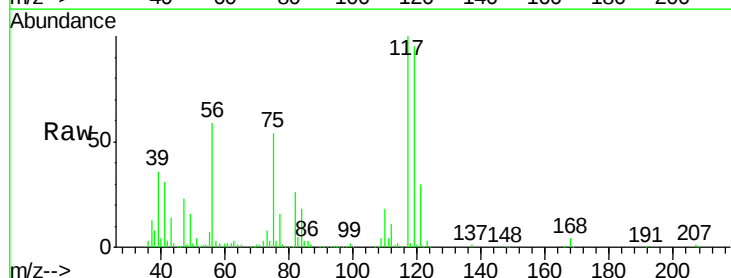
Instrument :
MSVOA_N
ClientSampled :

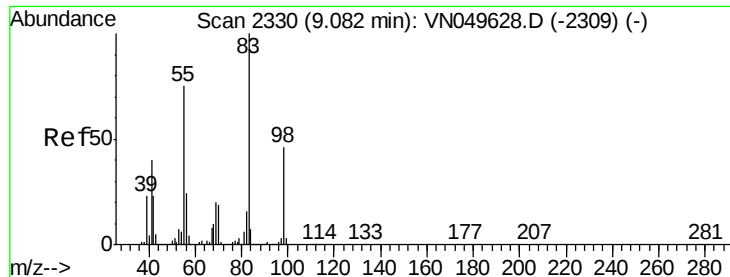
Tot Ion: 43 Resp: 319881
Ion Ratio Lower Upper
43 100
61 14.3 11.0 16.4
70 9.9 7.2 10.8



#38
Carbon Tetrachloride
Concen: 19.19 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

Tgt Ion: 117 Resp: 411547
Ion Ratio Lower Upper
117 100
119 95.5 75.6 113.4
121 30.4 24.7 37.1

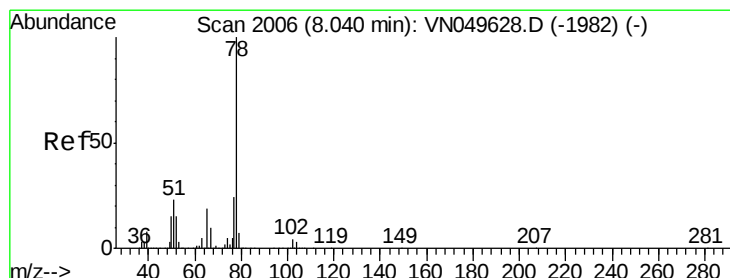
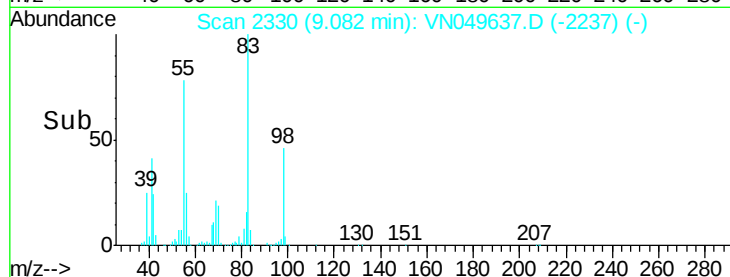
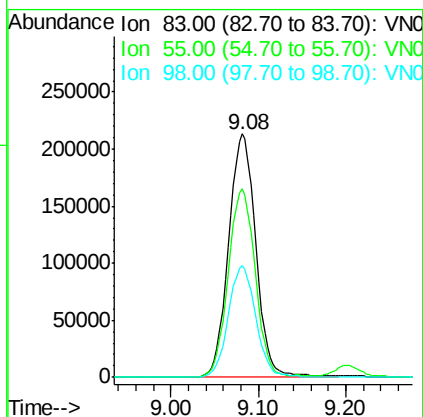
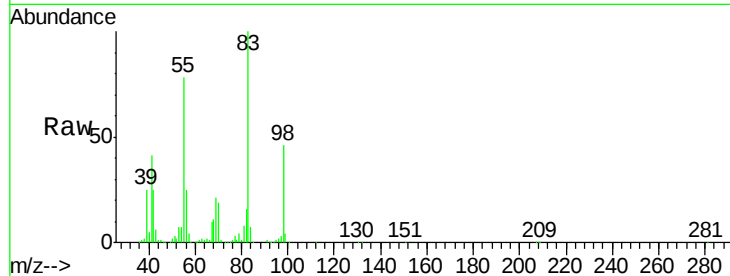




#39
Methvlcvclohexane
Concen: 19.16 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

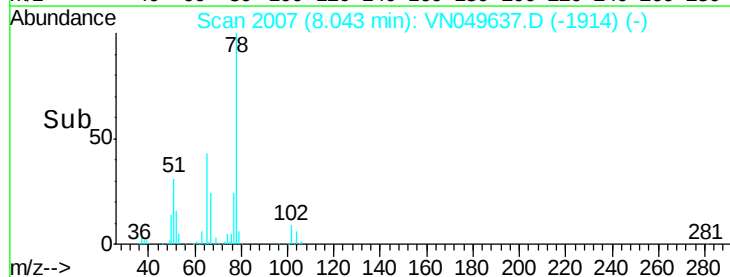
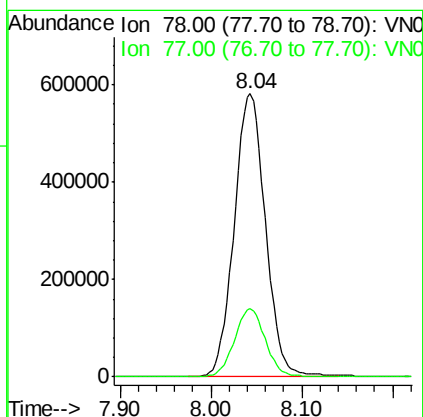
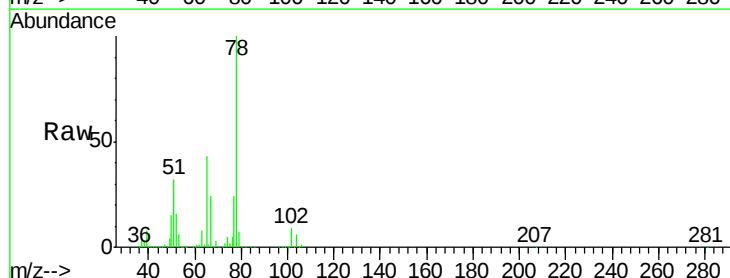
Instrument :
MSVOA_N
ClientSampleId :

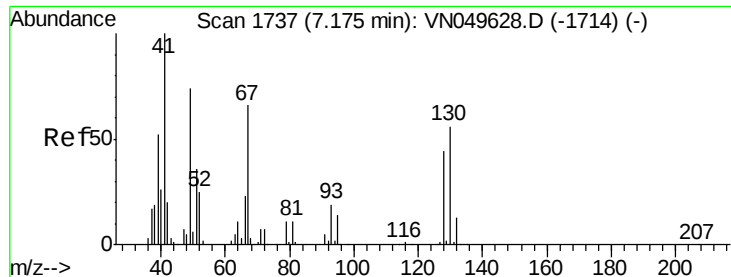
Tot Ion: 83 Resp: 463141
Ion Ratio Lower Upper
83 100
55 77.7 65.1 97.7
98 45.9 36.5 54.7



#40
Benzene
Concen: 20.65 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

Tgt Ion: 78 Resp: 1389949
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0

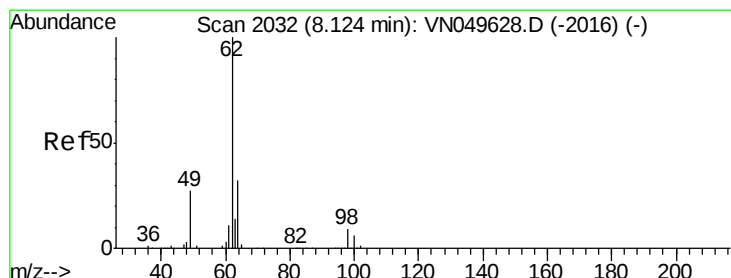
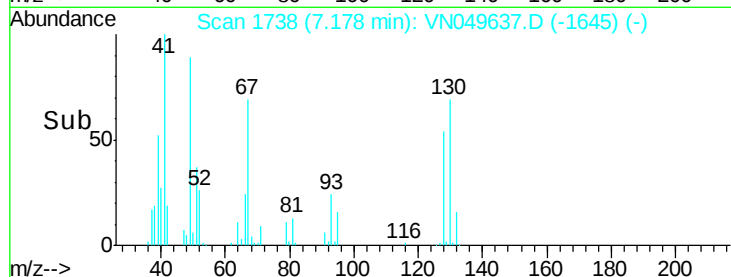
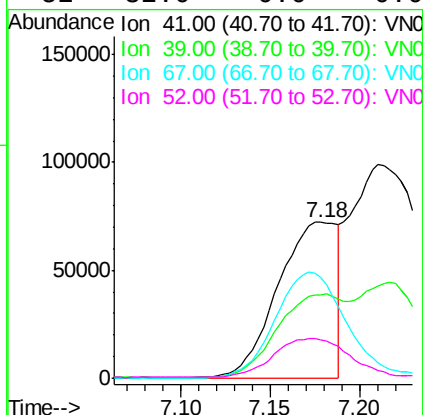
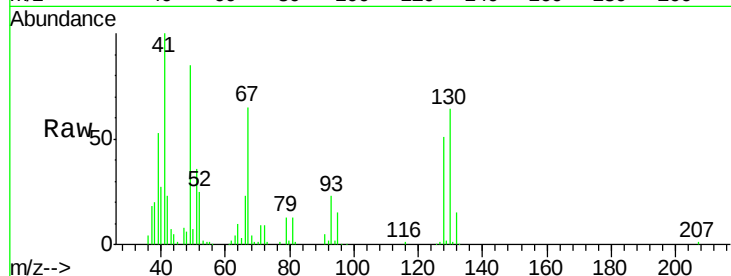




#41
Methacrylonitrile
Concen: 24.20 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

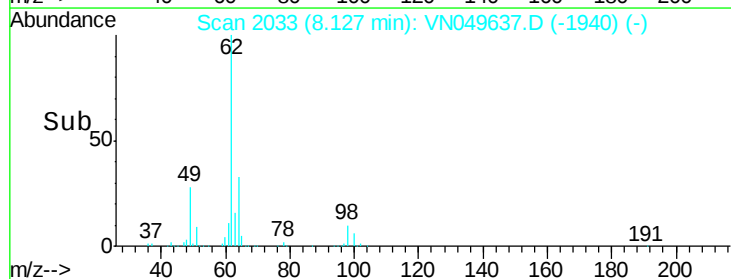
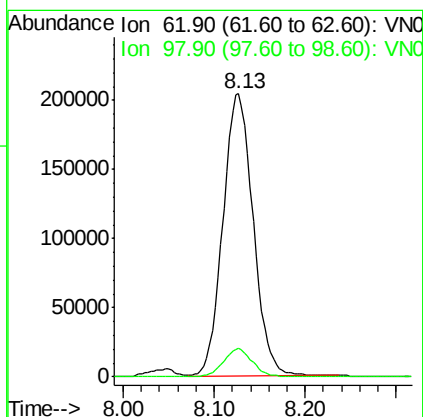
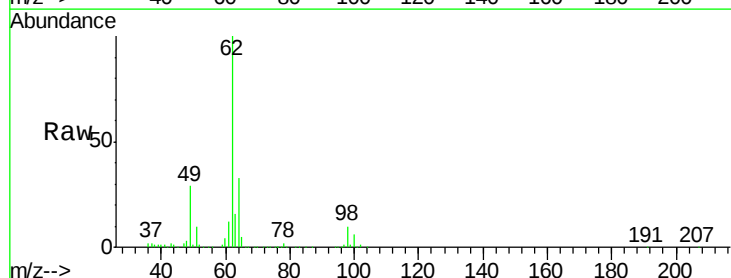
Instrument :
MSVOA_N
ClientSampled :

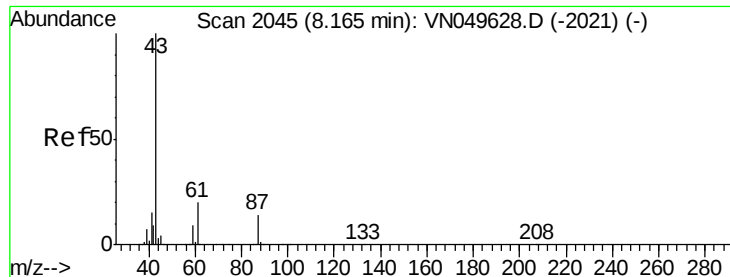
Tot Ion:	41	Resp:	166119
Ion	Ratio	Lower	Upper
41	100		
39	58.2	0.0	0.0#
67	83.8	0.0	0.0#
52	32.0	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 22.03 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

Tgt Ion:	62	Resp:	473322
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	16.2





#43

Isopropyl Acetate

Concen: 23.54 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

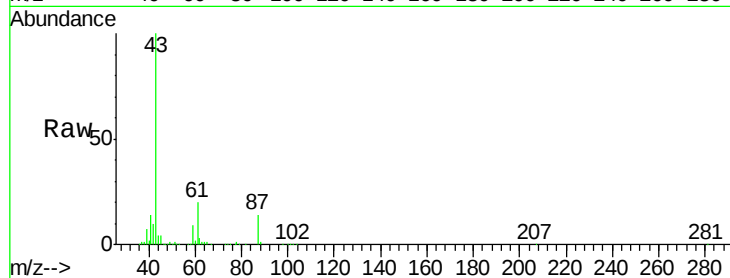
Tot Ion: 43 Resp: 608785

Ion Ratio Lower Upper

43 100

61 18.7 14.2 21.4

87 12.8 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-2021) (-)

Ion 61.00 (60.70 to 61.70): VN049628.D (-2021) (-)

Ion 87.00 (86.70 to 87.70): VN049628.D (-2021) (-)

8.17

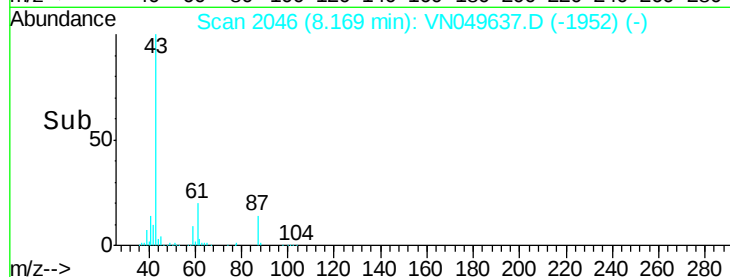
300000

200000

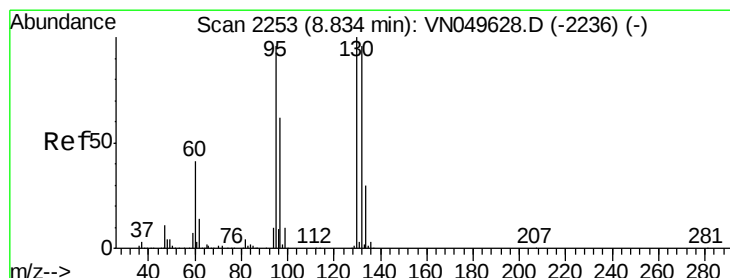
100000

0

Time-->



Time-->



#44

Trichloroethene

Concen: 19.83 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049637.D

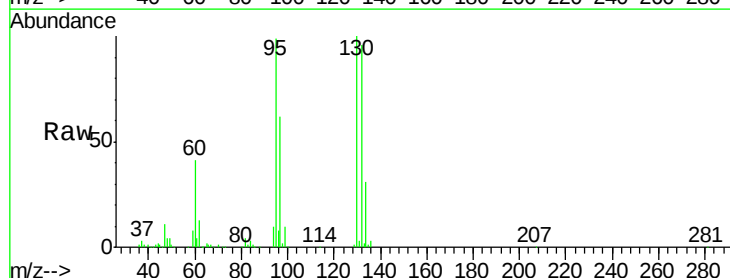
Acq: 29 Jun 2018 17:49

Tgt Ion: 130 Resp: 402542

Ion Ratio Lower Upper

130 100

95 98.7 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049628.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049628.D (-2236) (-)

8.83

200000

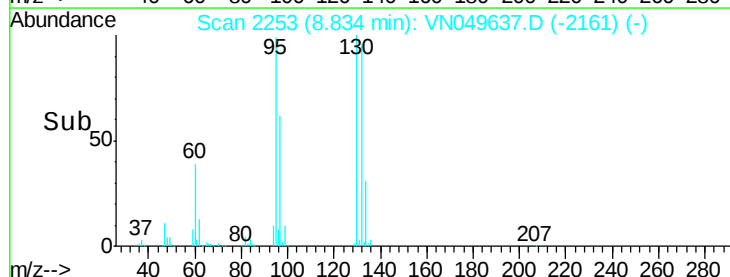
150000

100000

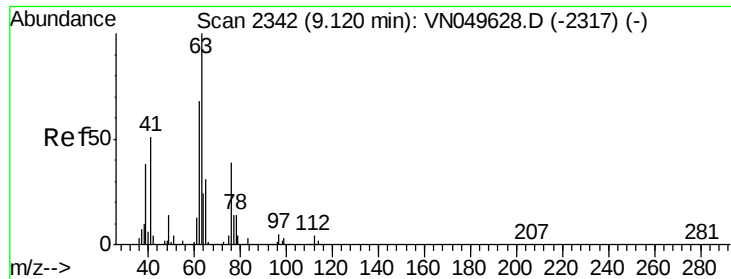
50000

0

Time-->



Time-->



#45

1,2-Dichloropropane

Concen: 21.61 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

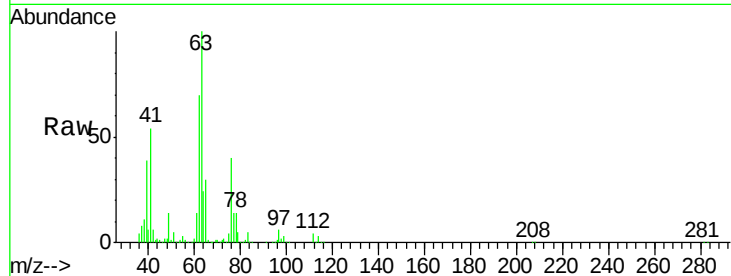
ClientSampled :

Tot Ion: 63 Resp: 375876

Ion Ratio Lower Upper

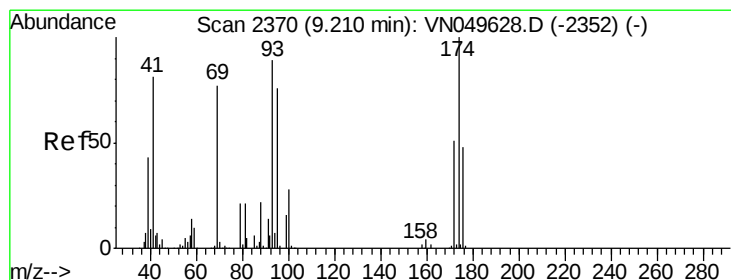
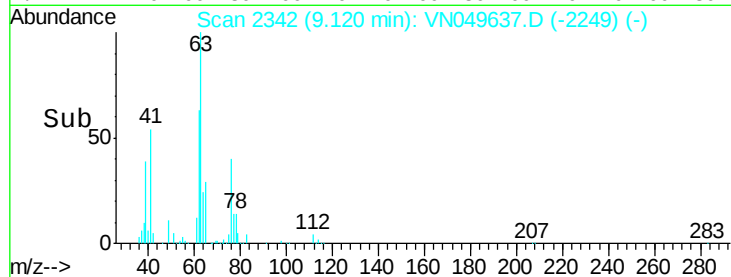
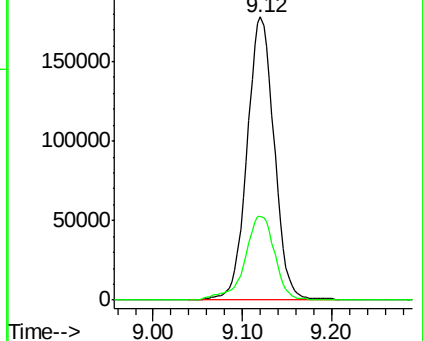
63 100

65 29.7 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 22.26 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

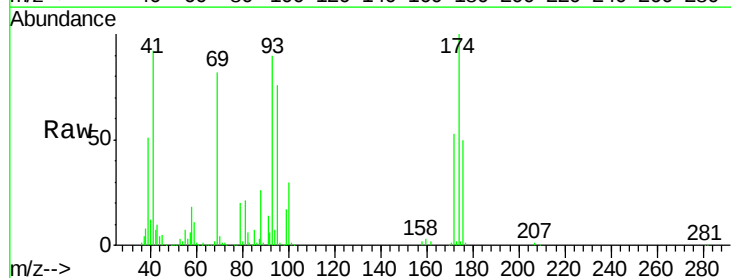
Tgt Ion: 93 Resp: 234202

Ion Ratio Lower Upper

93 100

95 83.6 67.2 100.8

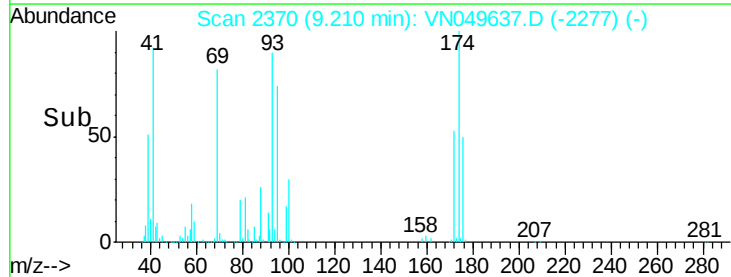
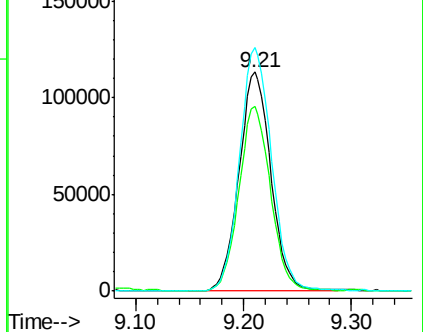
174 111.2 75.6 113.4

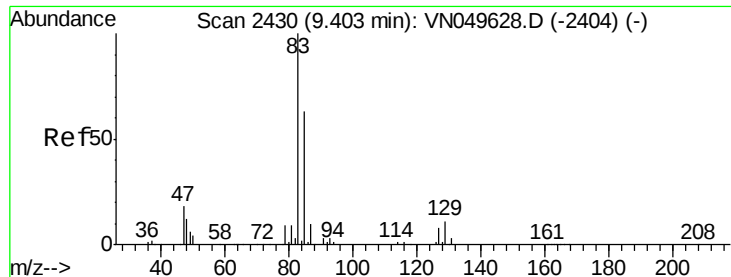


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

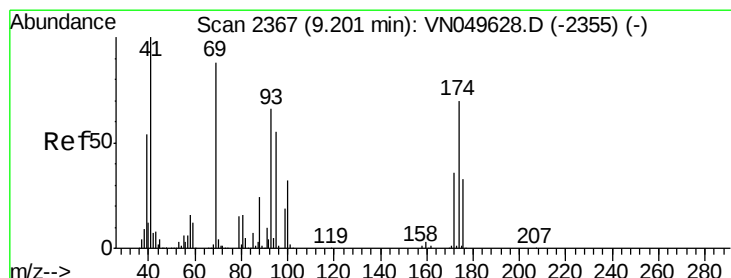
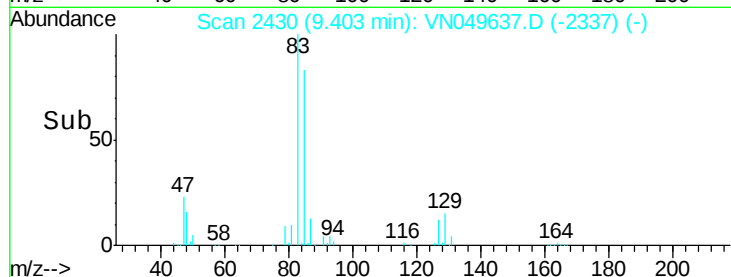
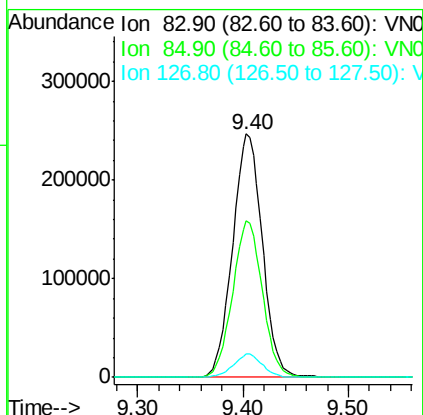
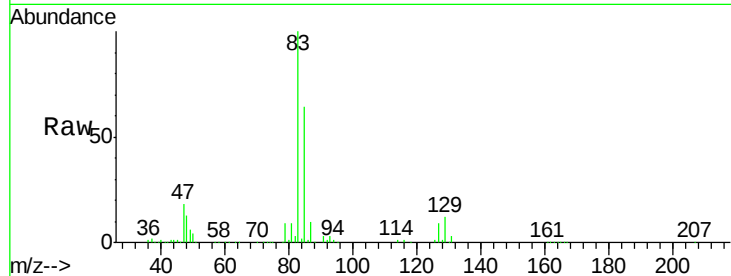




#47
Bromodichloromethane
Concen: 21.53 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

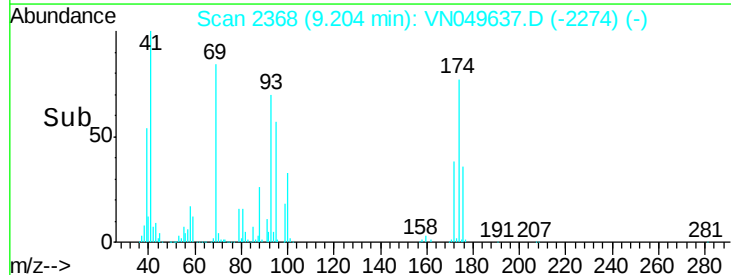
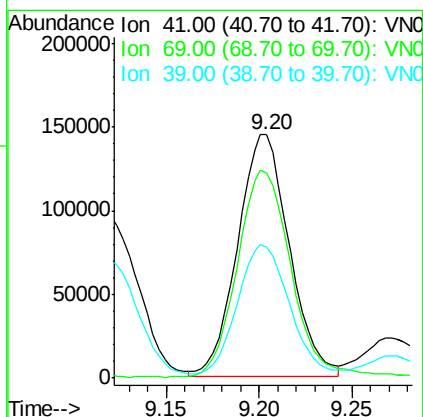
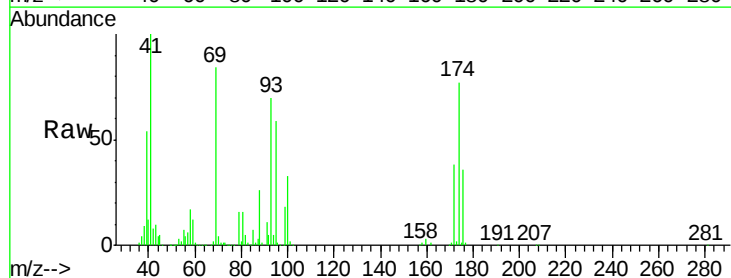
Instrument :
MSVOA_N
ClientSampleId :

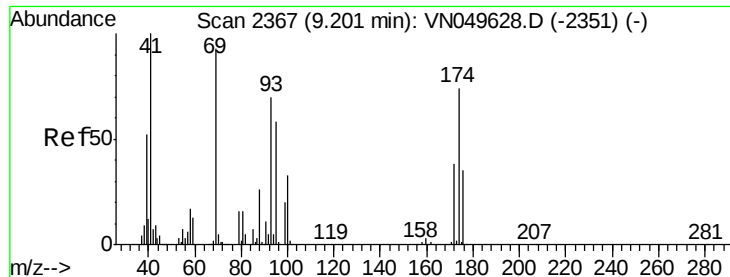
Tot Ion: 83 Resp: 482101
Ion Ratio Lower Upper
83 100
85 64.1 49.4 74.0
127 9.4 6.3 9.5



#48
Methyl methacrylate
Concen: 24.51 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

Tgt Ion: 41 Resp: 280079
Ion Ratio Lower Upper
41 100
69 88.9 62.0 93.0
39 56.3 50.6 75.8

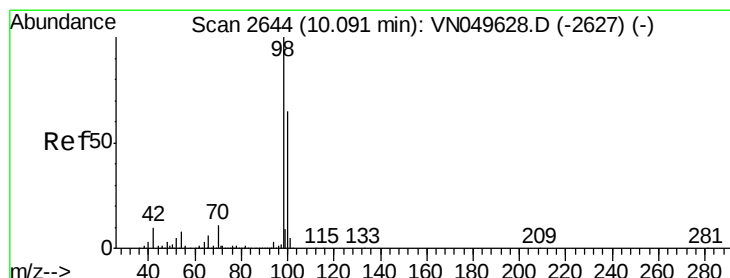
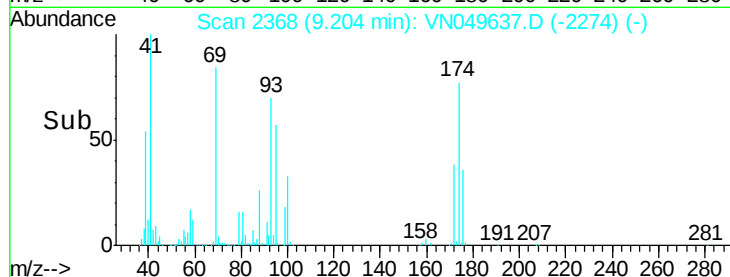
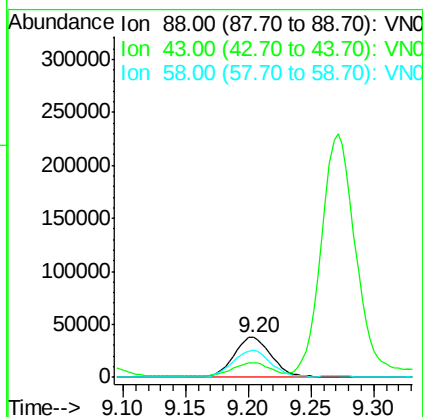
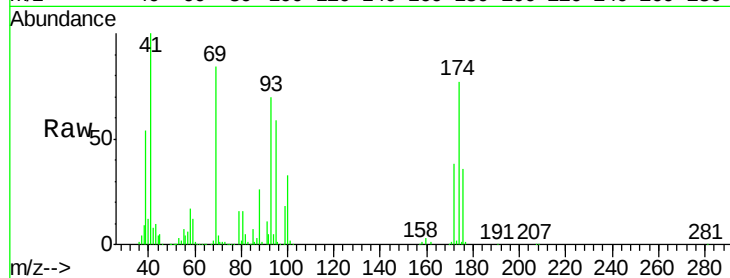




#49
1,4-Dioxane
Concen: 516.07 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

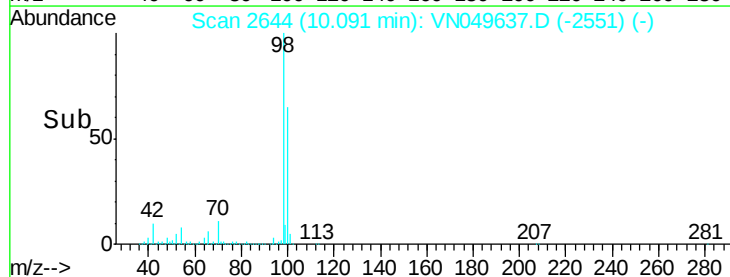
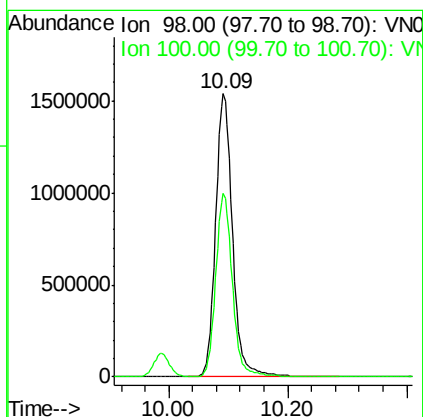
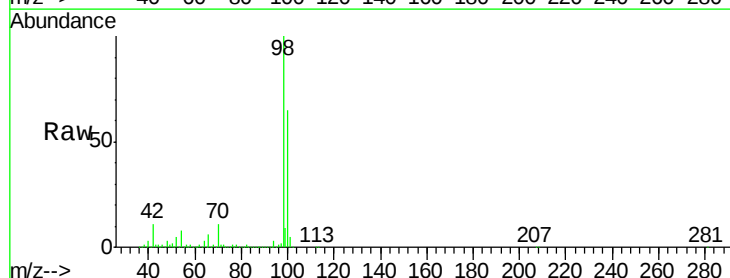
Instrument :
MSVOA_N
ClientSampleId :

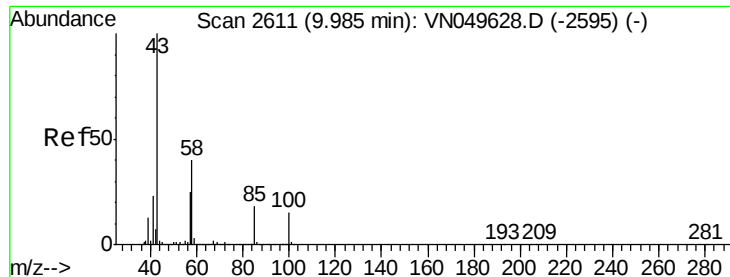
Tot Ion: 88 Resp: 79269
Ion Ratio Lower Upper
88 100
43 32.7 30.9 46.3
58 69.2 58.9 88.3



#50
Toluene-d8
Concen: 52.60 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

Tgt Ion: 98 Resp: 3015818
Ion Ratio Lower Upper
98 100
100 64.2 49.8 74.8

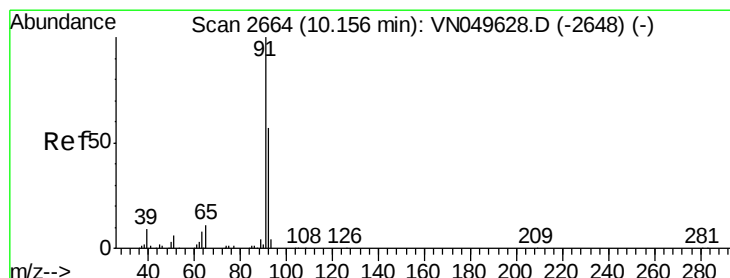
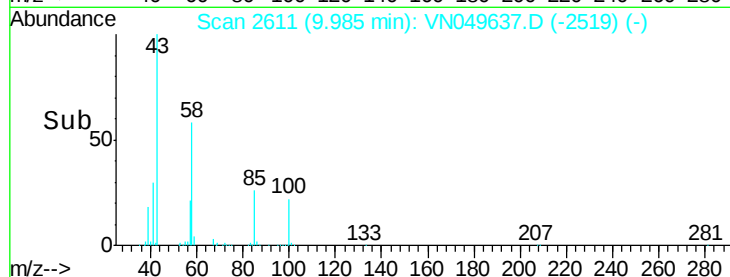
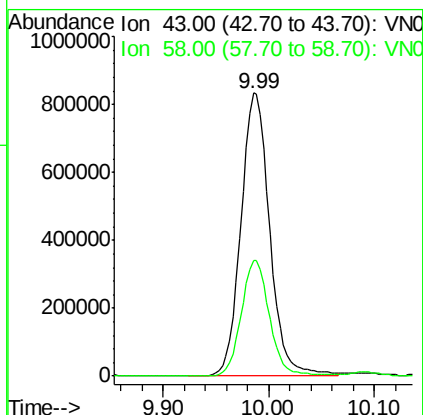
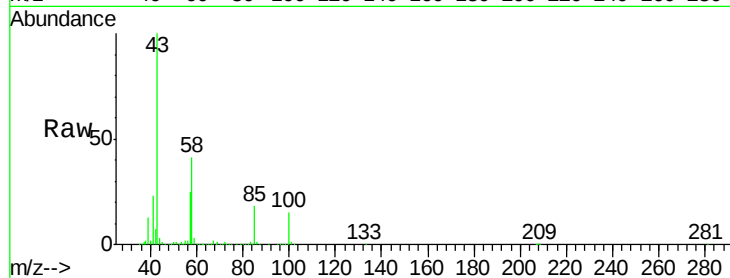




#51
 4-Methyl-2-Pentanone
 Concen: 125.34 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

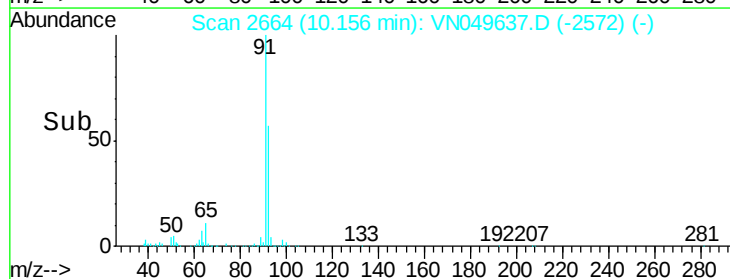
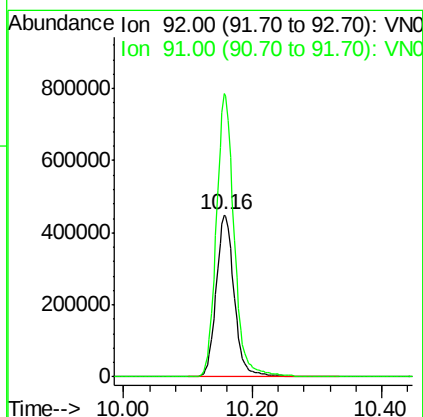
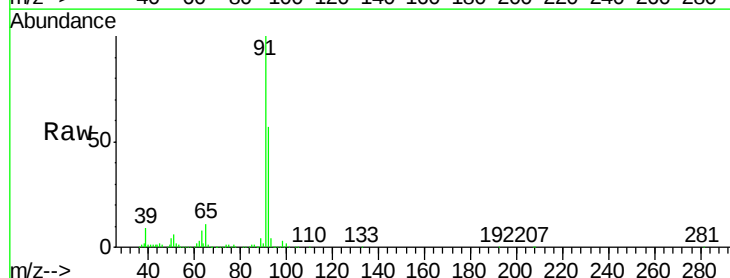
Instrument :
 MSVOA_N
 ClientSampleId :

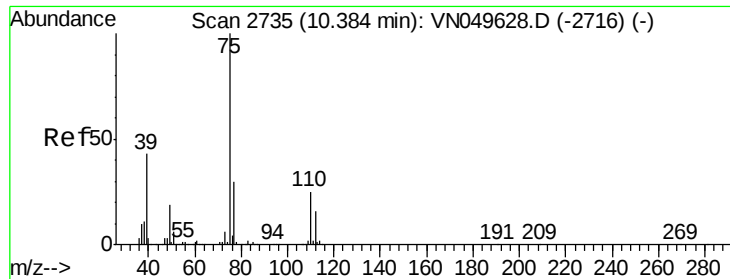
Tot Ion: 43 Resp: 1579963
 Ion Ratio Lower Upper
 43 100
 58 40.2 29.0 43.6



#52
 Toluene
 Concen: 21.42 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

Tgt Ion: 92 Resp: 870849
 Ion Ratio Lower Upper
 92 100
 91 172.7 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 21.66 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

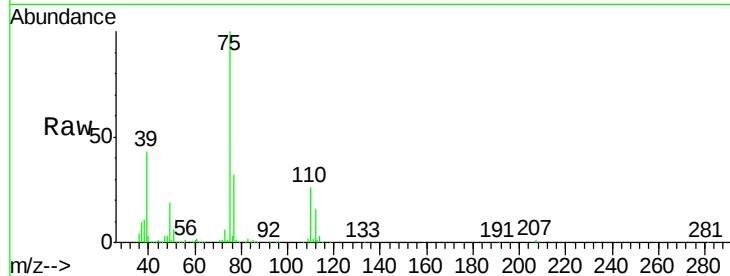
ClientSampled :

Tot Ion: 75 Resp: 464515

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

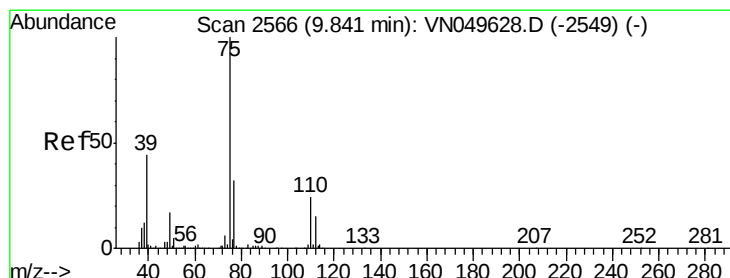
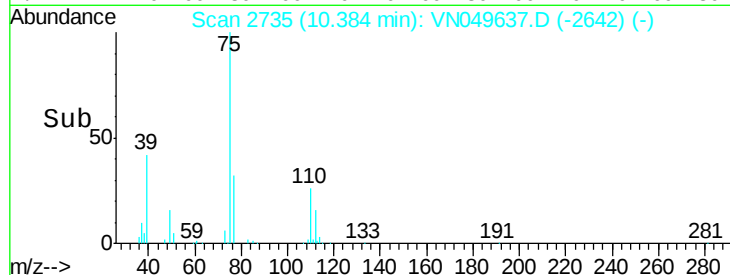
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.60 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

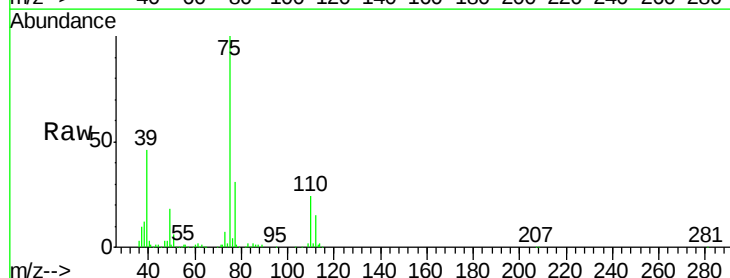
Tgt Ion: 75 Resp: 541435

Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2

39 46.2 45.1 67.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

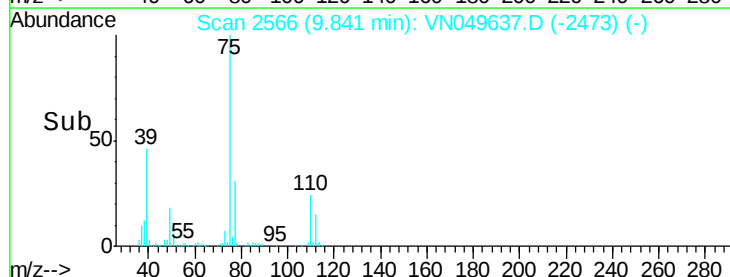
300000

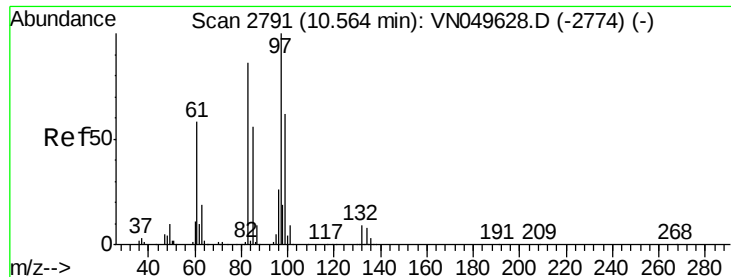
200000

100000

0

Time-->

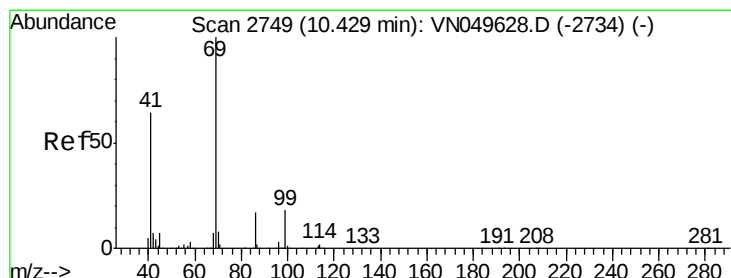
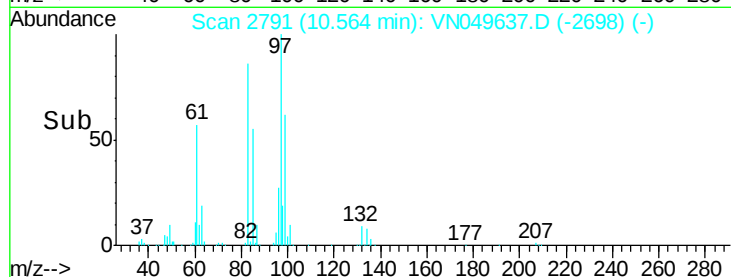
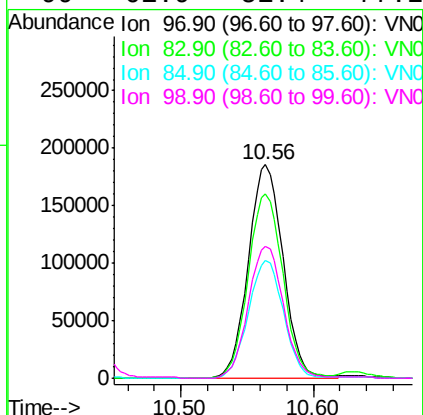
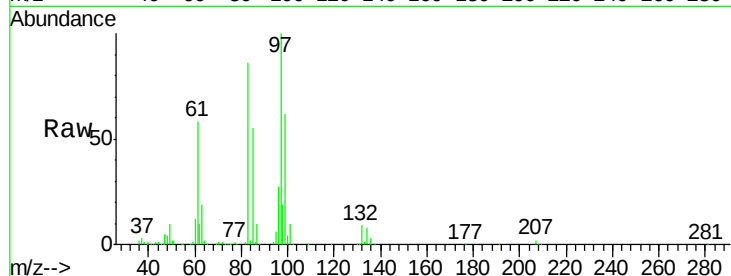




#55
 1,1,2-Trichloroethane
 Concen: 22.35 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

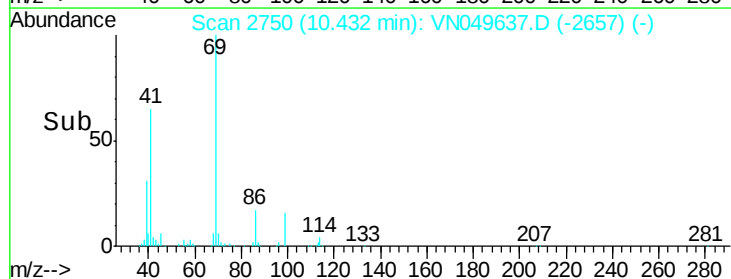
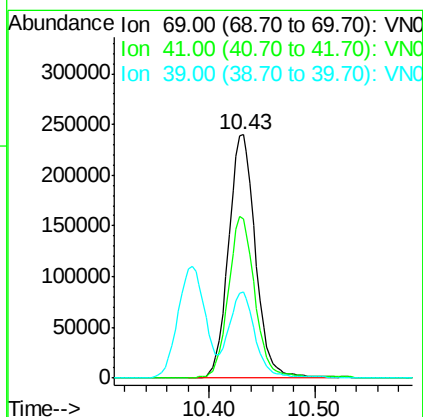
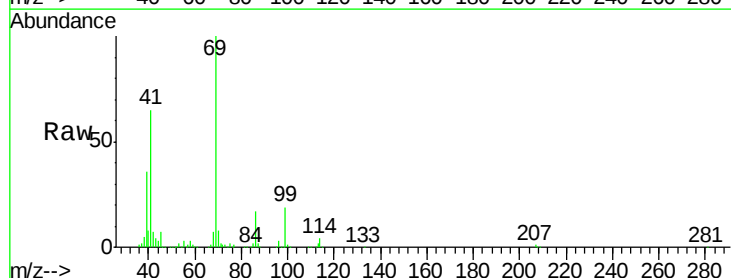
Instrument :
 MSVOA_N
 ClientSampled :

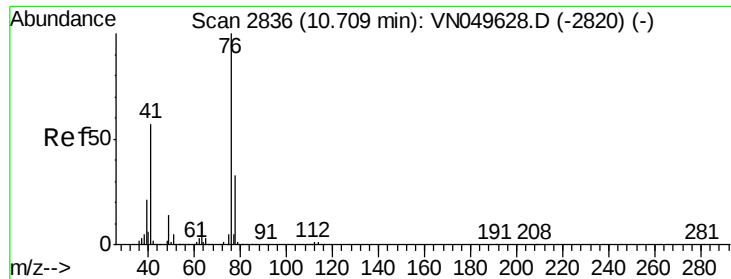
Tot Ion: 97 Resp: 338474
 Ion Ratio Lower Upper
 97 100
 83 86.2 71.5 107.3
 85 55.1 47.0 70.4
 99 61.9 51.4 77.2



#56
 Ethyl methacrylate
 Concen: 23.85 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

Tgt Ion: 69 Resp: 423263
 Ion Ratio Lower Upper
 69 100
 41 64.4 58.4 87.6
 39 33.6 35.5 53.3#

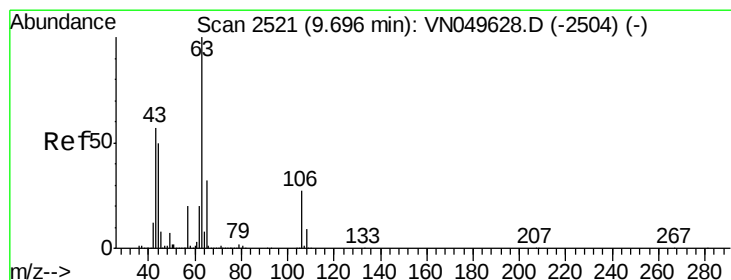
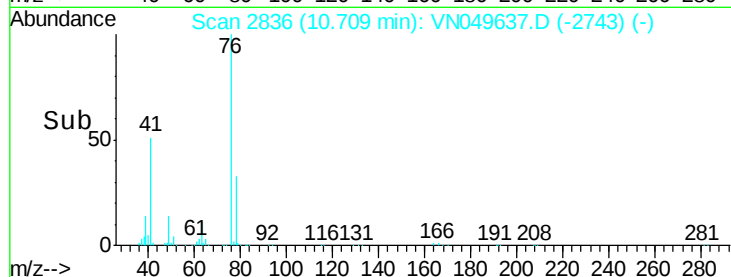
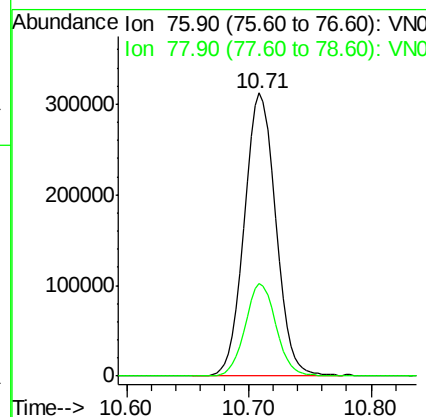
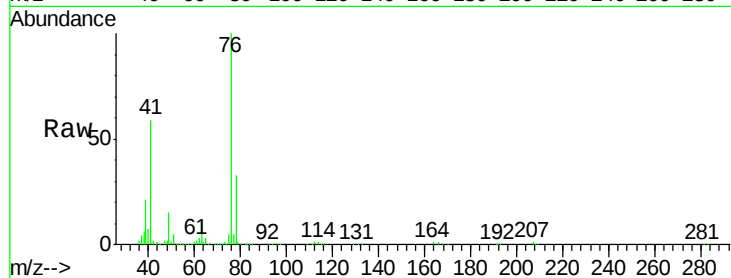




#57
 1,3-Dichloropropane
 Concen: 22.67 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

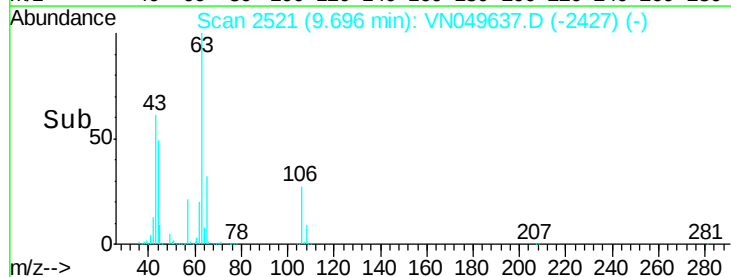
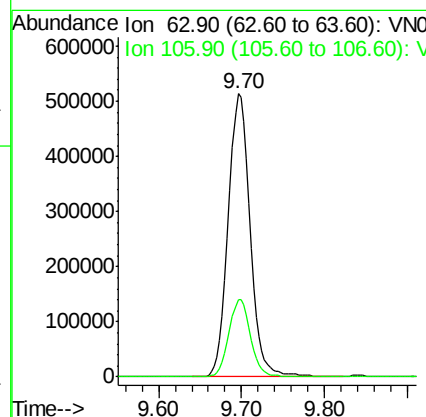
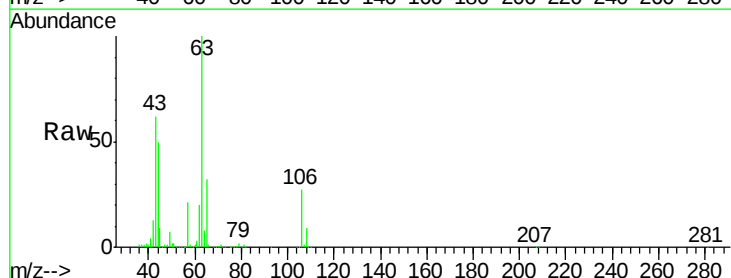
Instrument :
 MSVOA_N
 ClientSampleId :

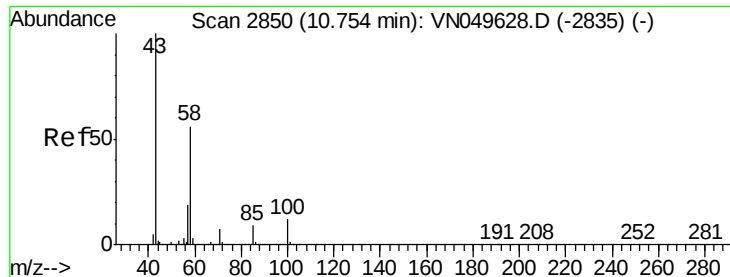
Tot Ion: 76 Resp: 556590
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.78 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

Tgt Ion: 63 Resp: 946663
 Ion Ratio Lower Upper
 63 100
 106 26.9 19.4 29.2

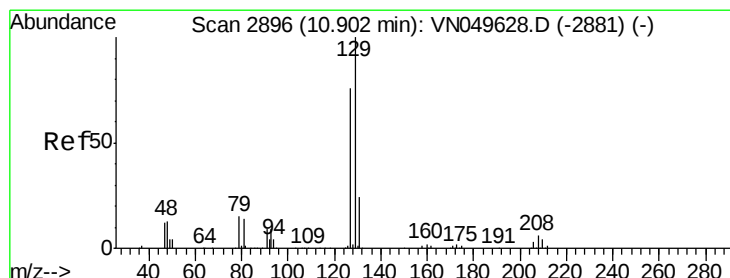
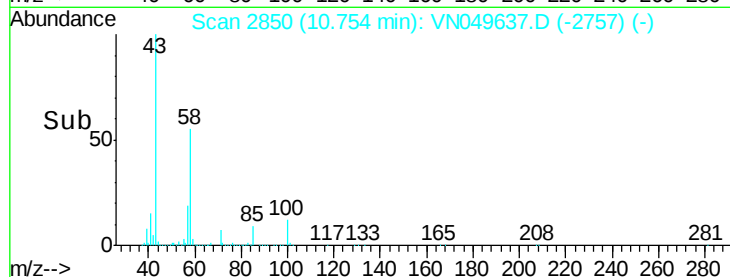
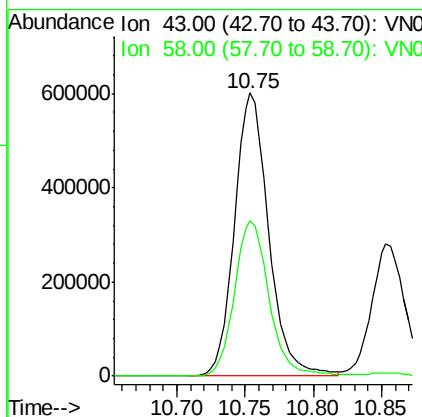
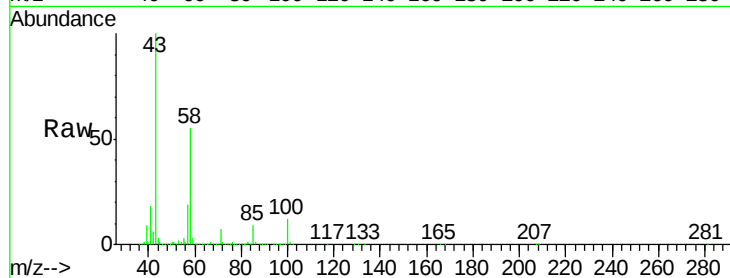




#59
2-Hexanone
Concen: 124.73 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

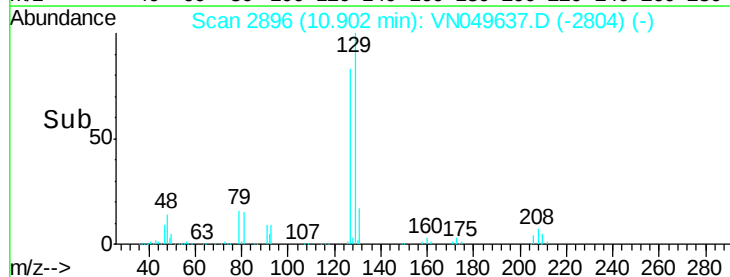
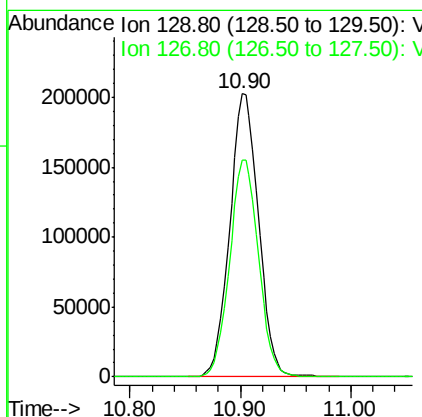
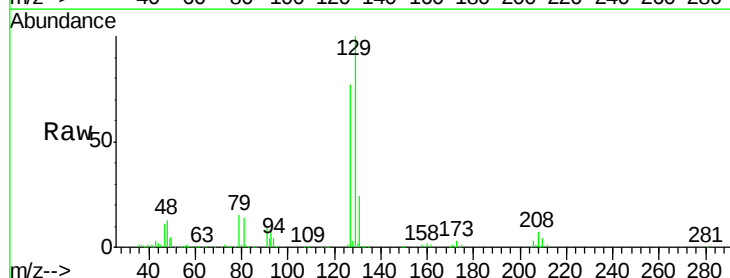
Instrument :
MSVOA_N
ClientSampleId :

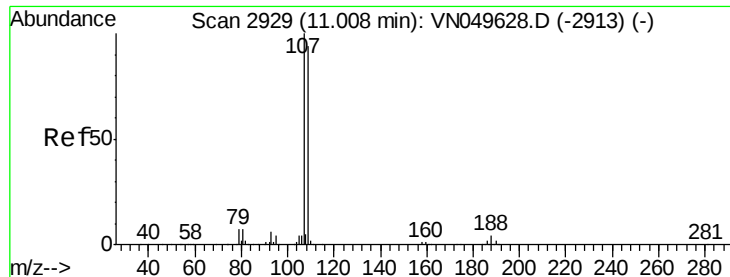
Tot Ion: 43 Resp: 1039672
Ion Ratio Lower Upper
43 100
58 55.9 25.2 75.6



#60
Dibromochloromethane
Concen: 22.41 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

Tgt Ion: 129 Resp: 366677
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2

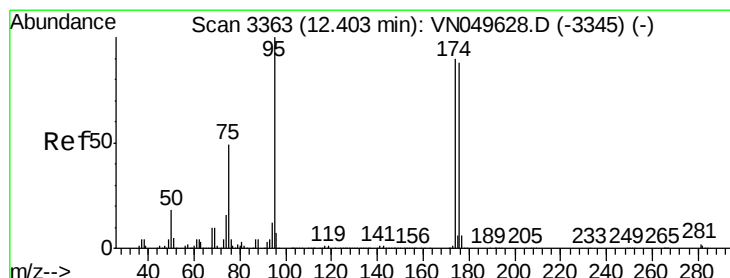
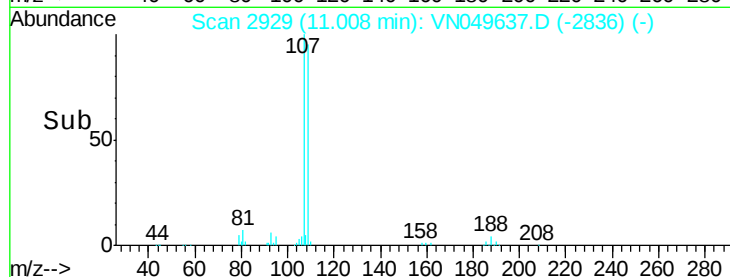
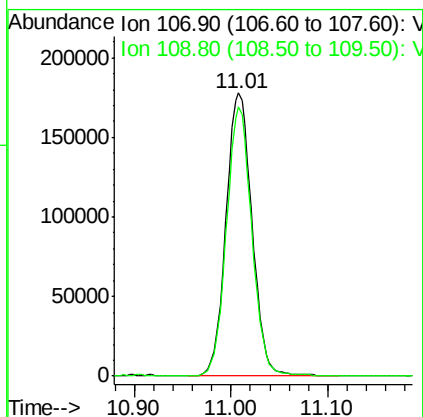
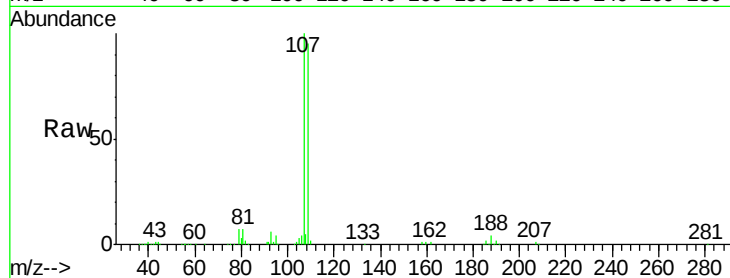




#61
 1,2-Dibromoethane
 Concen: 22.87 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

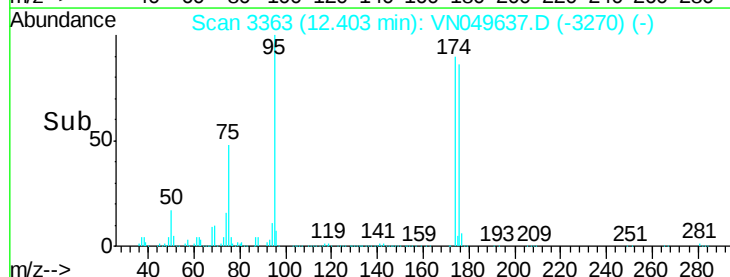
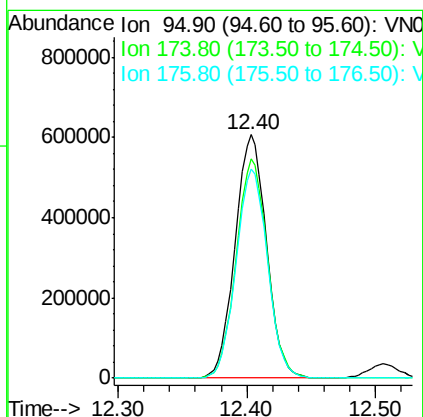
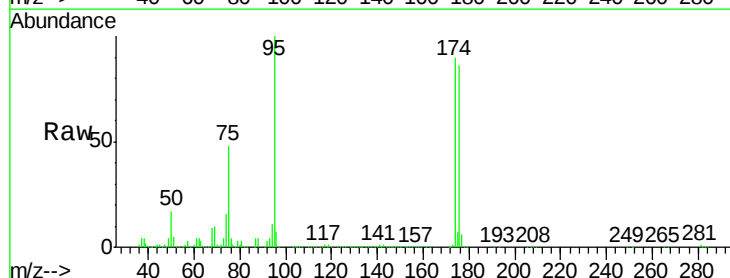
Instrument :
 MSVOA_N
 ClientSampleId :

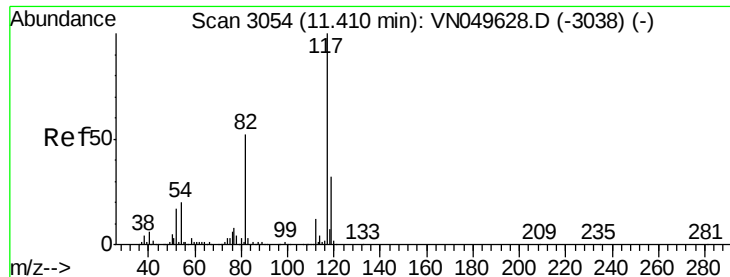
Tot Ion: 107 Resp: 331821
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 52.46 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

Tgt Ion: 95 Resp: 1026829
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 165.6
 176 85.9 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

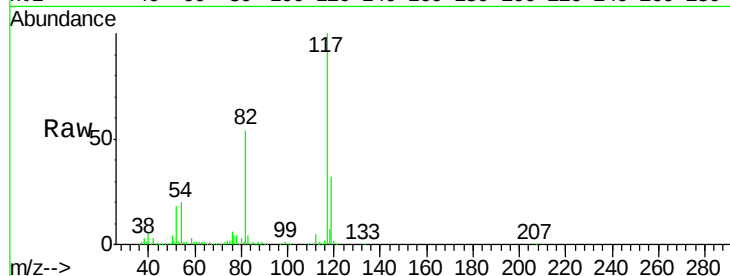
Tot Ion:117 Resp: 1770776

Ion Ratio Lower Upper

117 100

82 53.8 45.9 68.9

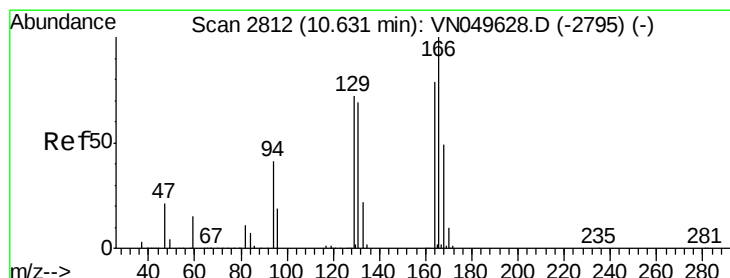
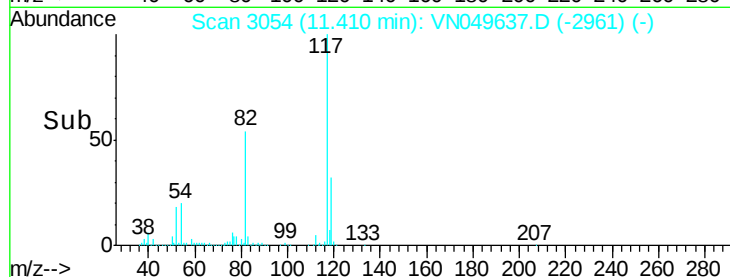
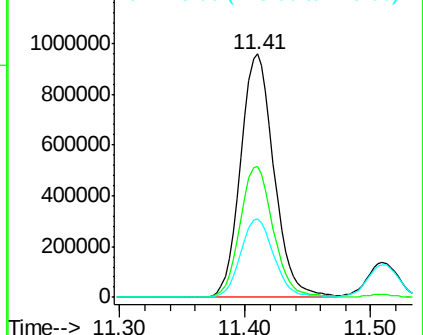
119 32.3 25.5 38.3



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: 19.96 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Tgt Ion:164 Resp: 478562

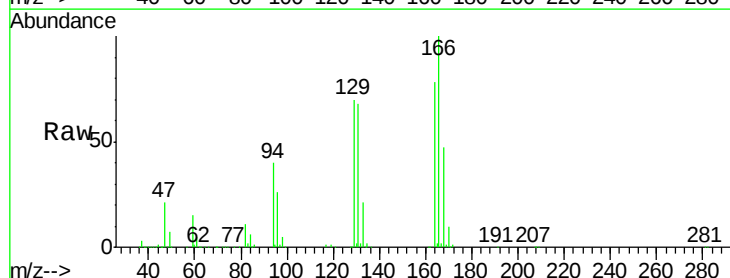
Ion Ratio Lower Upper

164 100

166 127.4 101.4 152.2

129 89.6 74.1 111.1

131 86.8 73.7 110.5

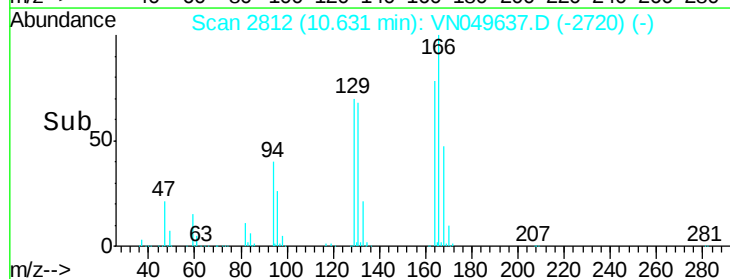
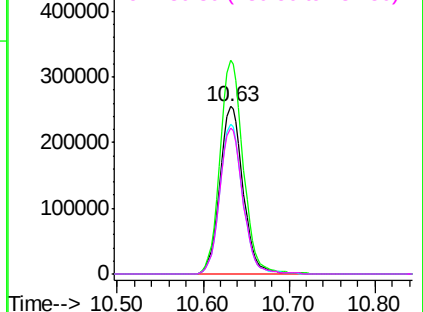


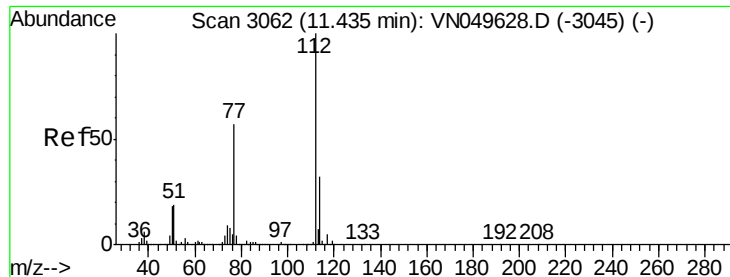
Abundance Ion 163.80 (163.50 to 164.50): V

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: 20.20 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

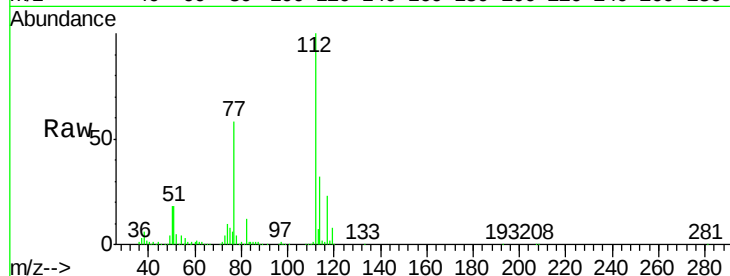
ClientSampled :

Tot Ion:112 Resp: 933111

Ion Ratio Lower Upper

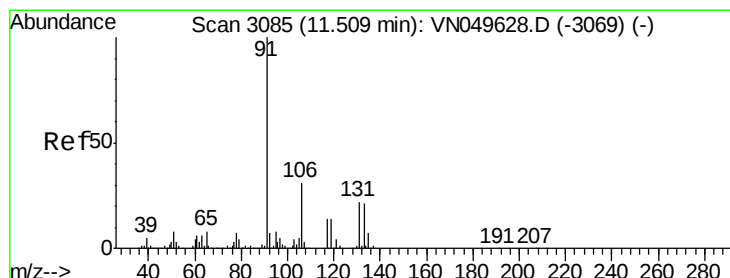
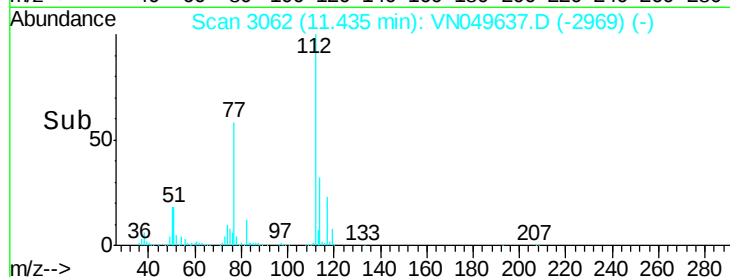
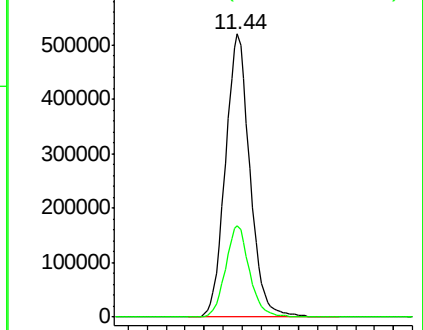
112 100

114 32.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.04 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

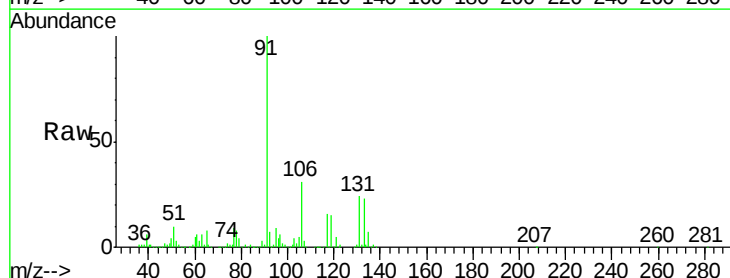
Tgt Ion:131 Resp: 349248

Ion Ratio Lower Upper

131 100

133 95.7 48.0 144.2

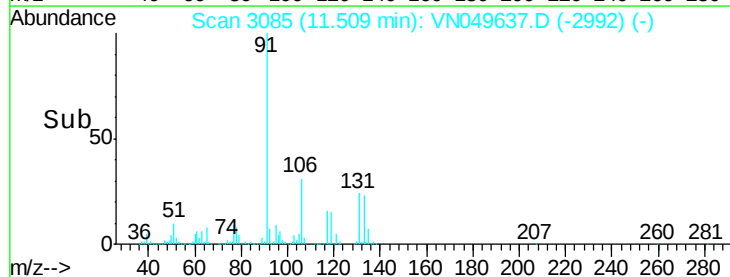
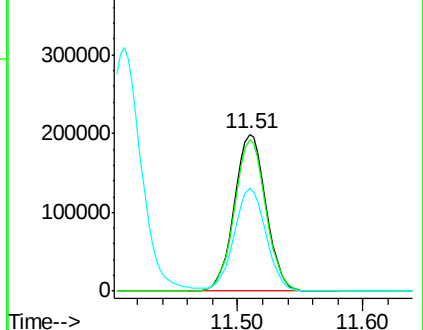
119 65.9 33.6 100.8

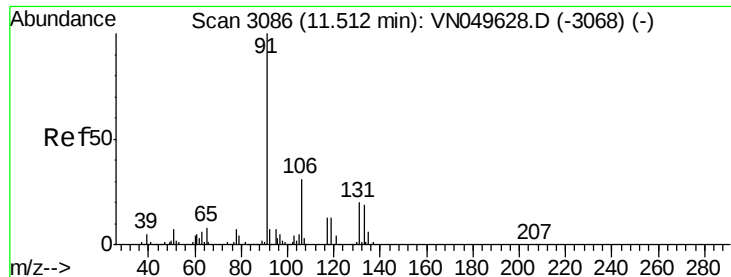


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

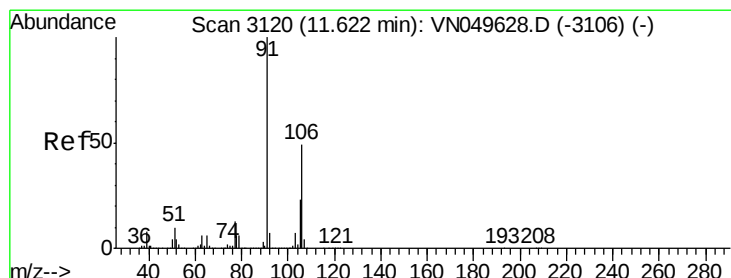
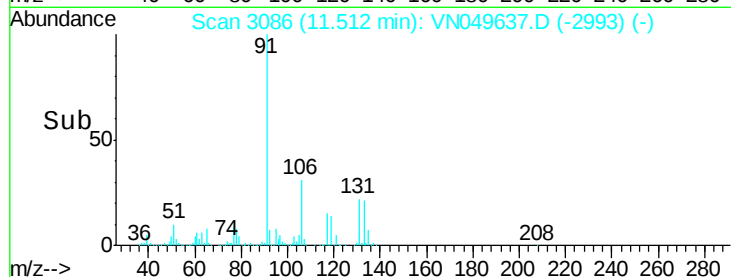
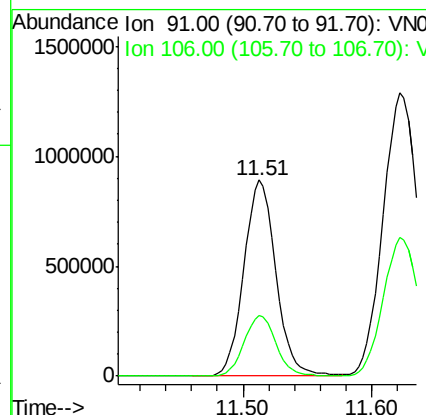
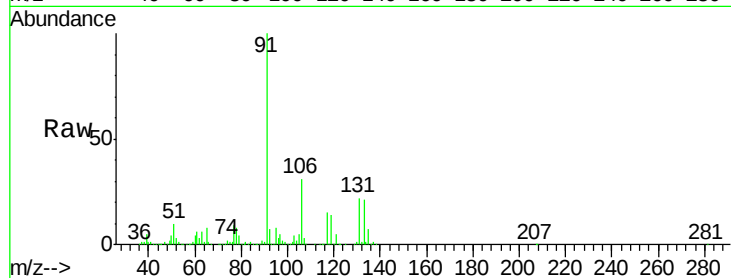




#67
Ethyl Benzene
Concen: 20.22 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

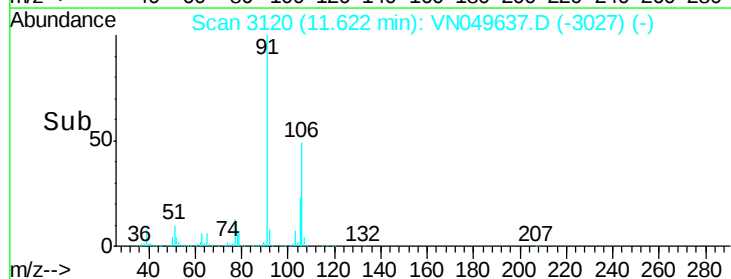
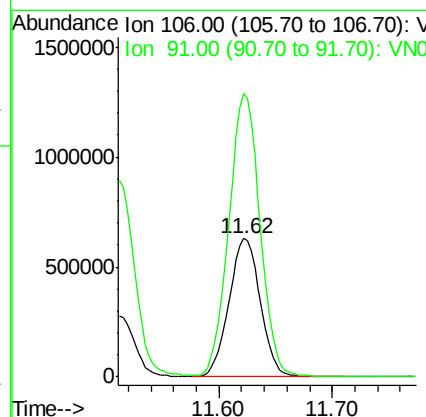
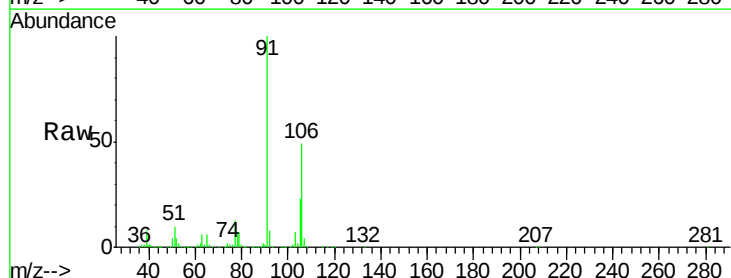
Instrument :
MSVOA_N
ClientSampled :

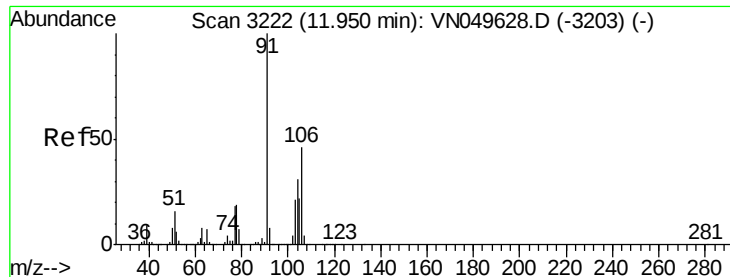
Tot Ion: 91 Resp: 1543707
Ion Ratio Lower Upper
91 100
106 30.8 23.9 35.9



#68
m/p-Xylenes
Concen: 41.49 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

Tgt Ion: 106 Resp: 1214198
Ion Ratio Lower Upper
106 100
91 203.3 167.3 250.9

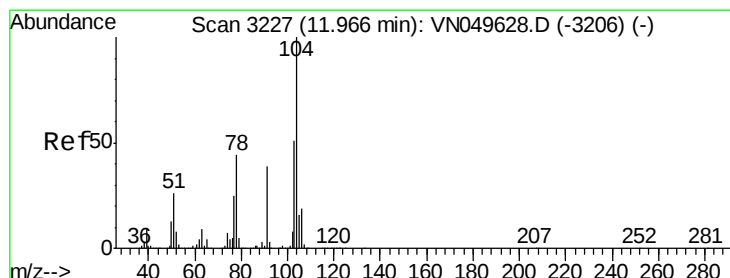
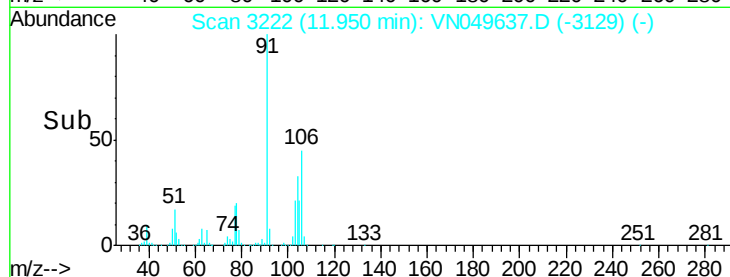
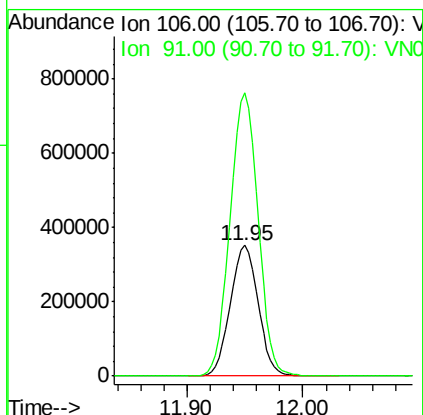
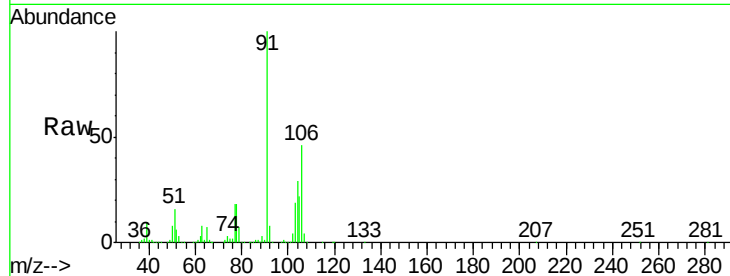




#69
o-Xylene
Concen: 20.84 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

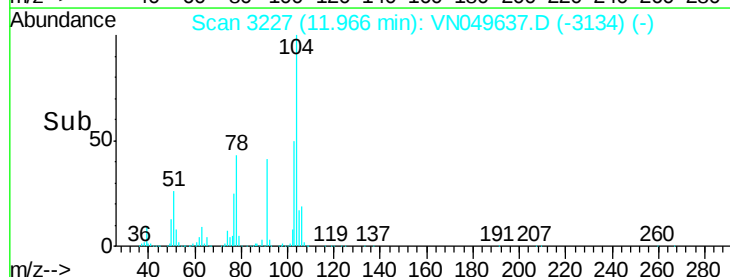
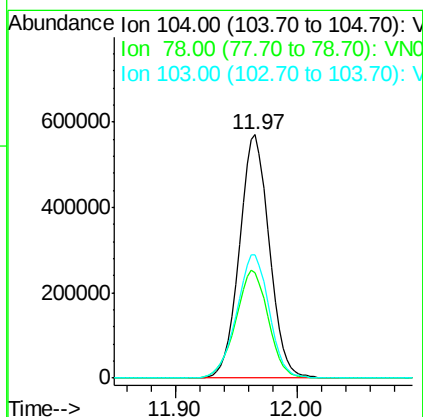
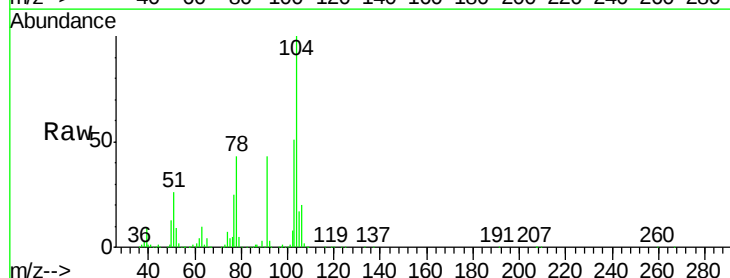
Instrument :
MSVOA_N
ClientSampleId :

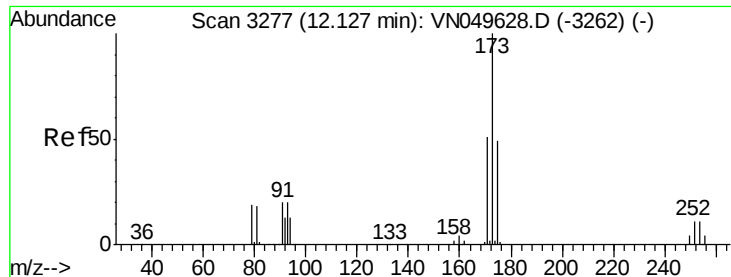
Tot Ion:106 Resp: 583914
Ion Ratio Lower Upper
106 100
91 217.6 111.0 333.0



#70
Styrene
Concen: 21.24 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

Tgt Ion:104 Resp: 963041
Ion Ratio Lower Upper
104 100
78 48.8 41.6 62.4
103 55.5 45.4 68.2





#71

Bromoform

Concen: 22.70 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

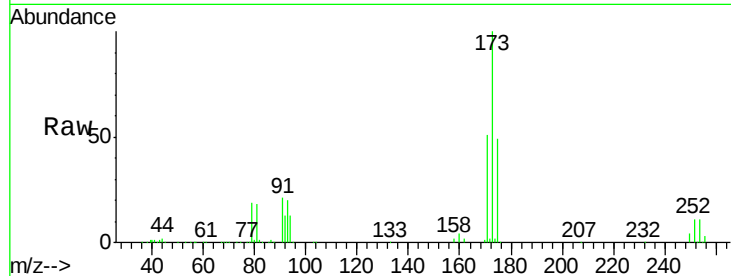
Tot Ion:173 Resp: 250402

Ion Ratio Lower Upper

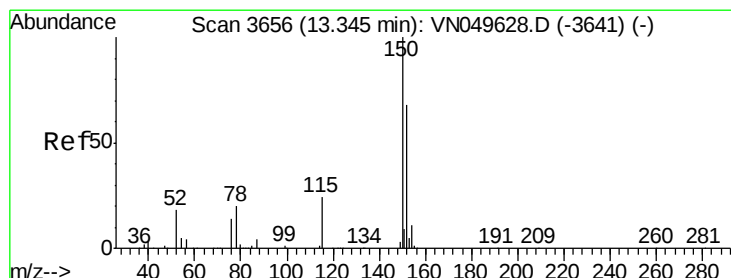
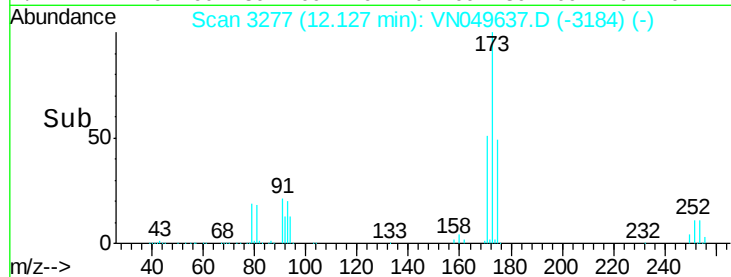
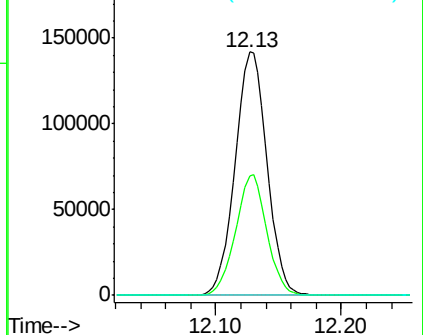
173 100

175 48.3 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: VN049637.D

Acq: 29 Jun 2018 17:49

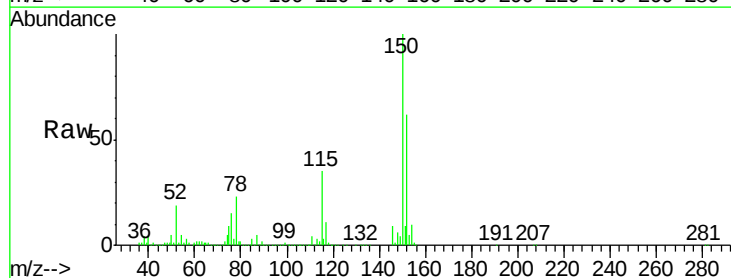
Tgt Ion:152 Resp: 914336

Ion Ratio Lower Upper

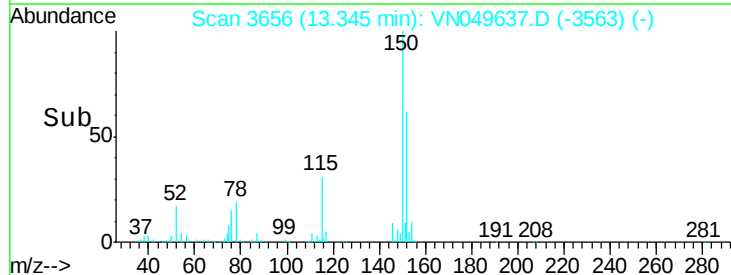
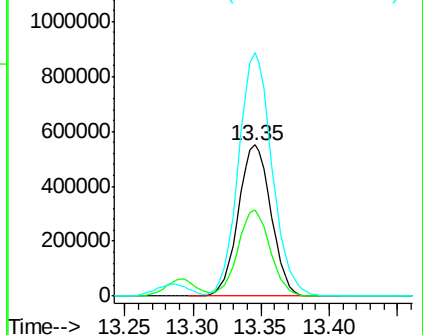
152 100

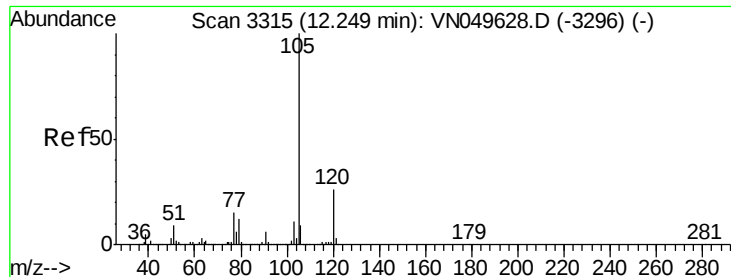
115 56.0 28.7 86.1

150 165.6 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: 20.77 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

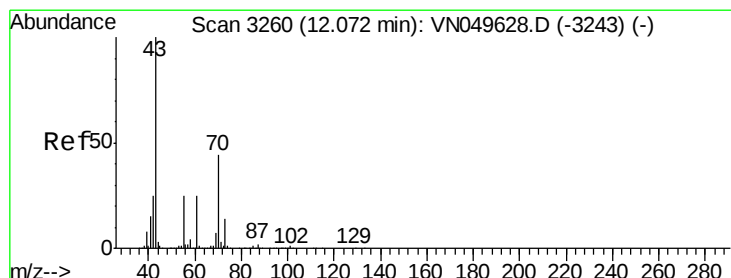
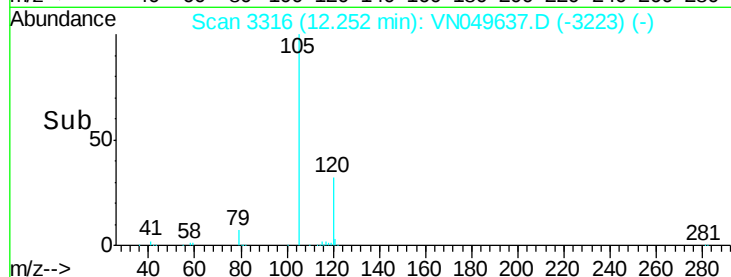
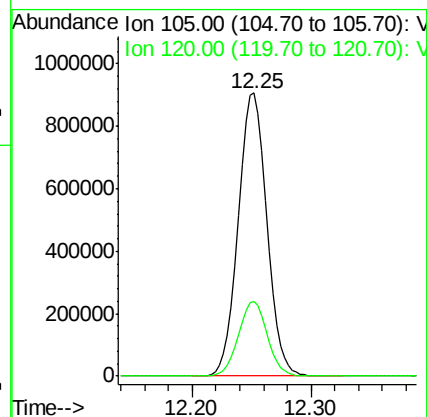
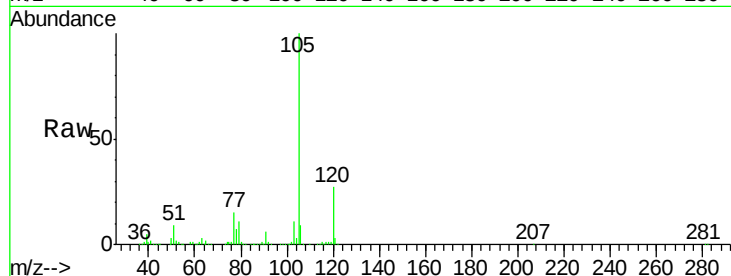
ClientSampleId :

Tot Ion:105 Resp: 1512825

Ion Ratio Lower Upper

105 100

120 26.6 12.8 38.3



#74

N-ethyl acetate

Concen: 23.55 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Tgt Ion: 43 Resp: 468456

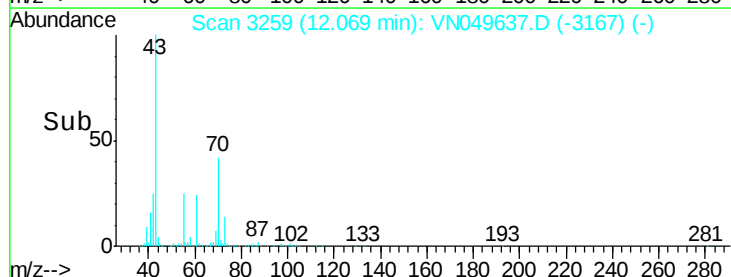
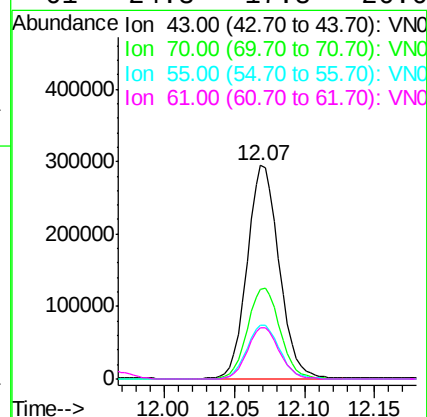
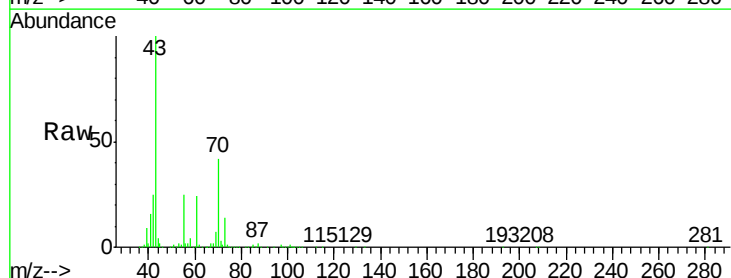
Ion Ratio Lower Upper

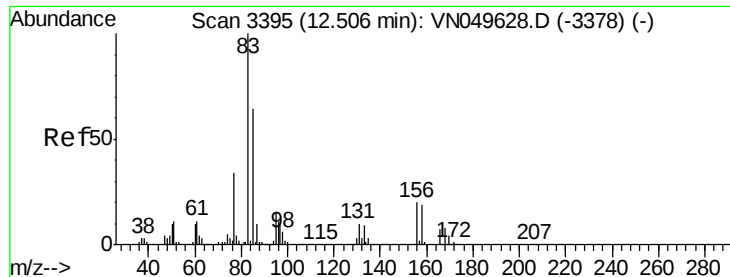
43 100

70 43.6 30.3 45.5

55 26.1 19.4 29.2

61 24.3 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 25.78 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

ClientSampled :

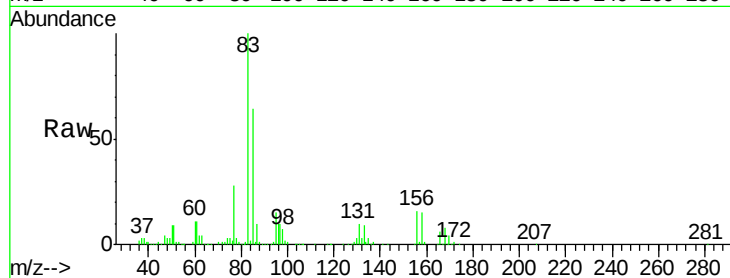
Tot Ion: 83 Resp: 400108

Ion Ratio Lower Upper

83 100

131 10.4 5.0 15.0

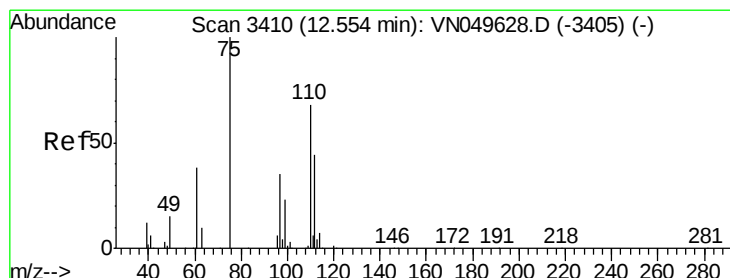
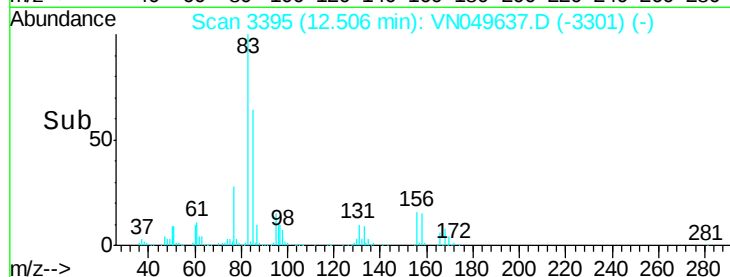
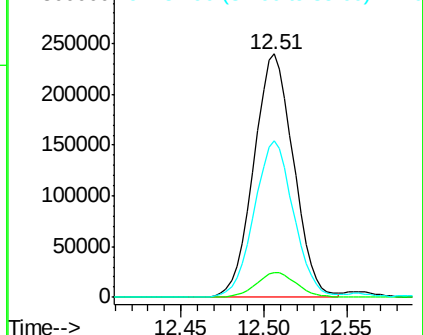
85 63.7 32.0 96.0



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: 34.99 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049637.D

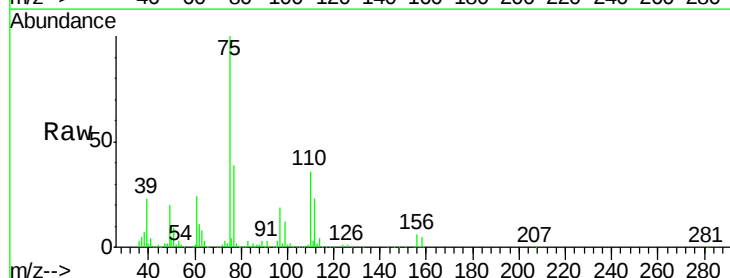
Acq: 29 Jun 2018 17:49

Tgt Ion: 75 Resp: 501197

Ion Ratio Lower Upper

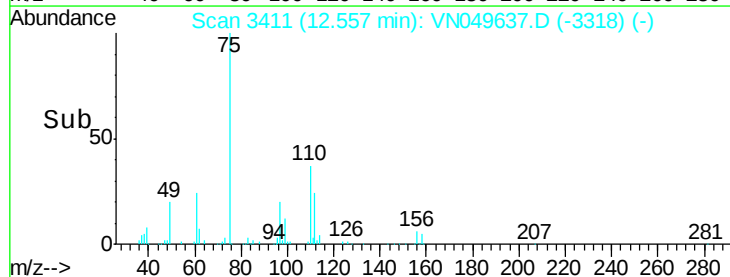
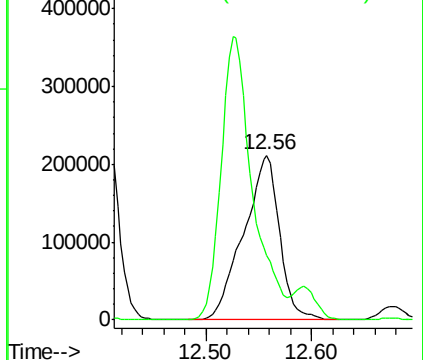
75 100

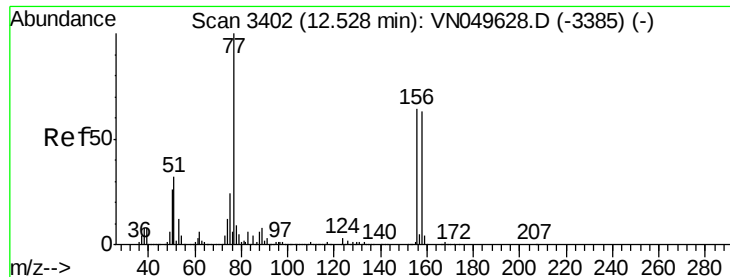
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.88 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

ClientSampled :

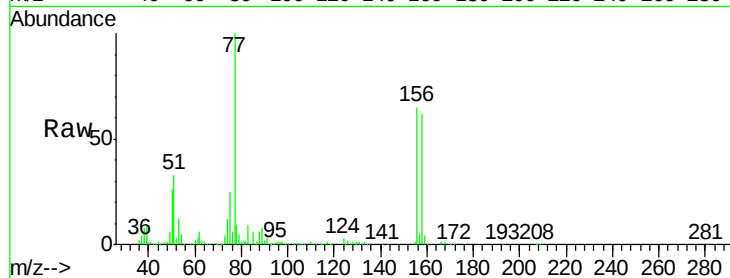
Tot Ion:156 Resp: 413501

Ion Ratio Lower Upper

156 100

77 181.1 100.8 302.4

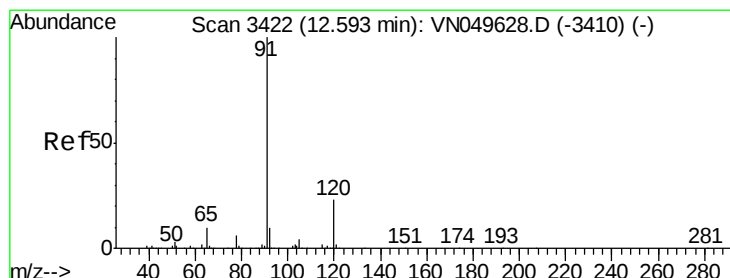
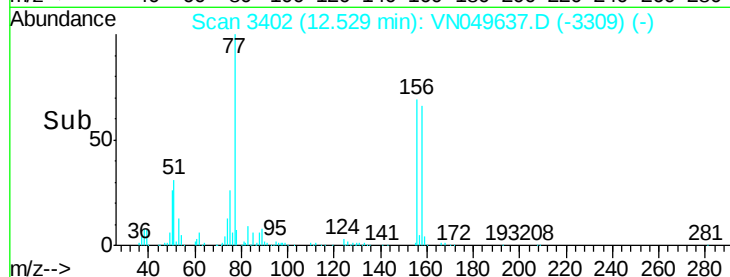
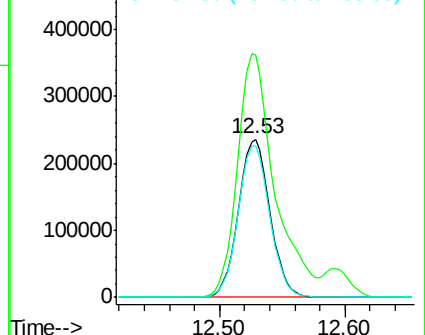
158 96.1 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.79 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049637.D

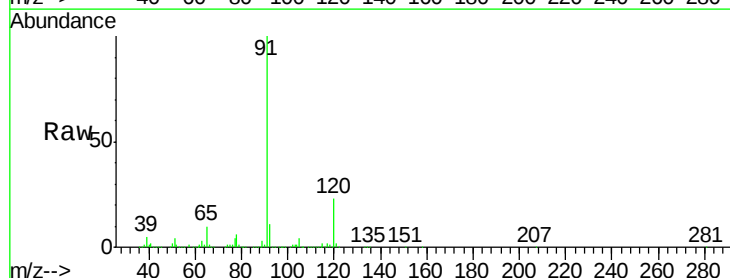
Acq: 29 Jun 2018 17:49

Tgt Ion: 91 Resp: 1735131

Ion Ratio Lower Upper

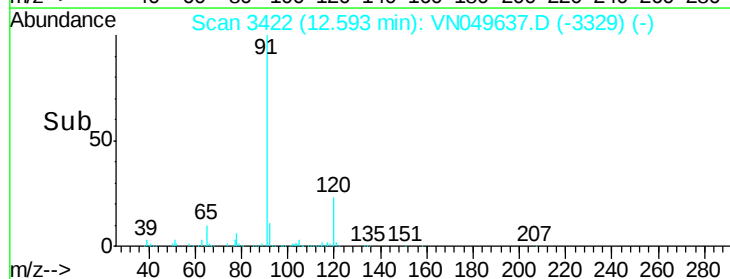
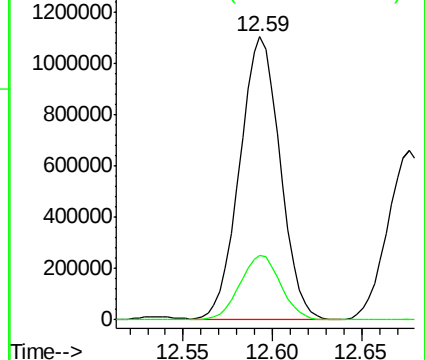
91 100

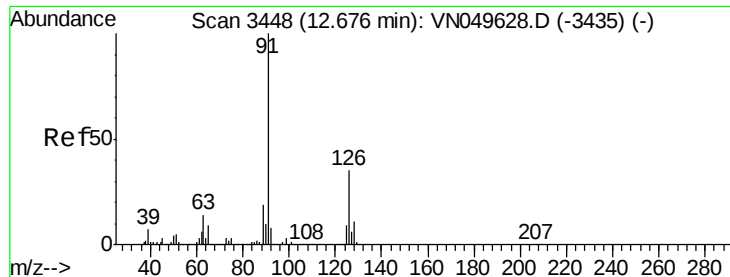
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.36 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

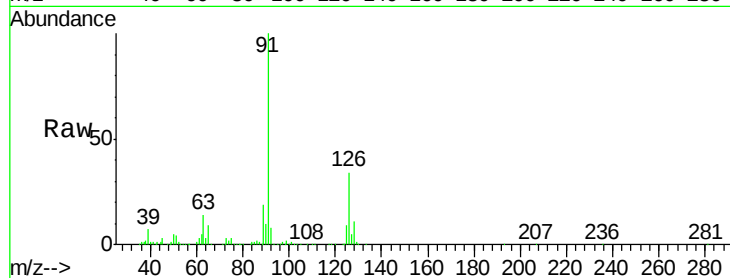
ClientSampleId :

Tot Ion: 91 Resp: 1075466

Ion Ratio Lower Upper

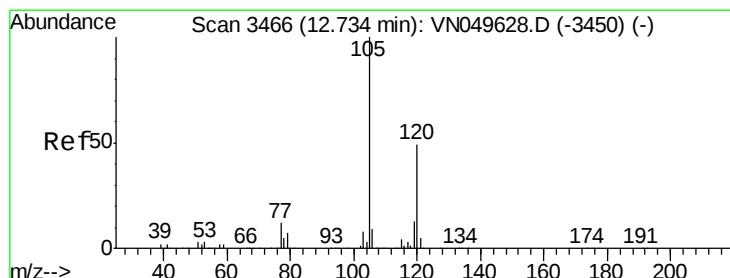
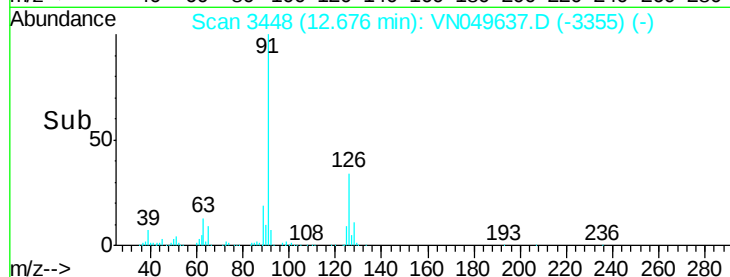
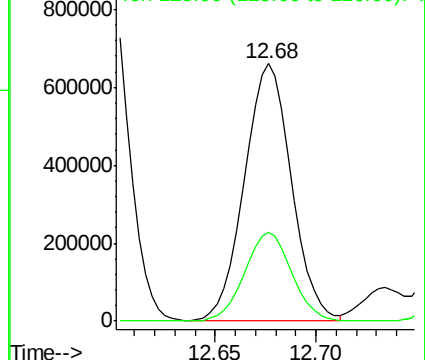
91 100

126 34.6 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049637.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049637.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.33 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049637.D

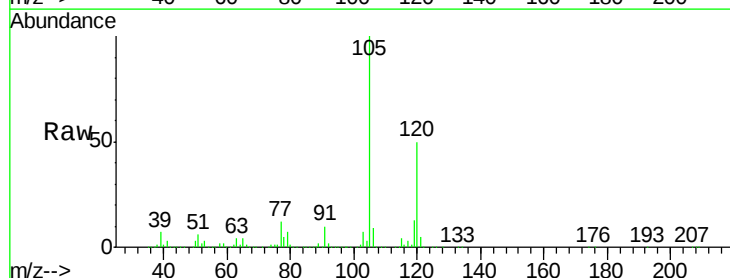
Acq: 29 Jun 2018 17:49

Tgt Ion:105 Resp: 1290901

Ion Ratio Lower Upper

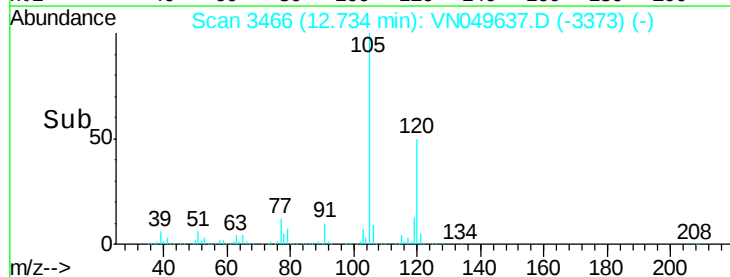
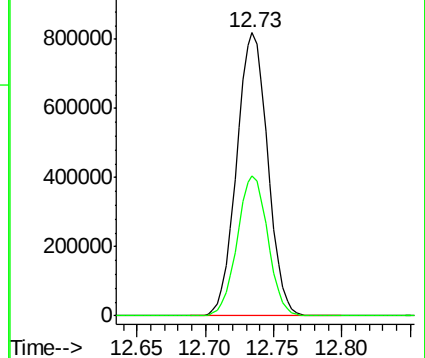
105 100

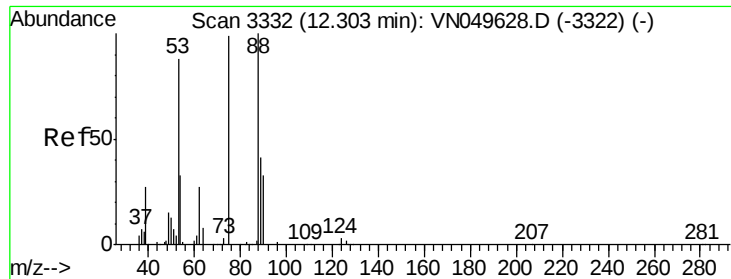
120 48.8 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049637.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049637.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.97 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

ClientSampled :

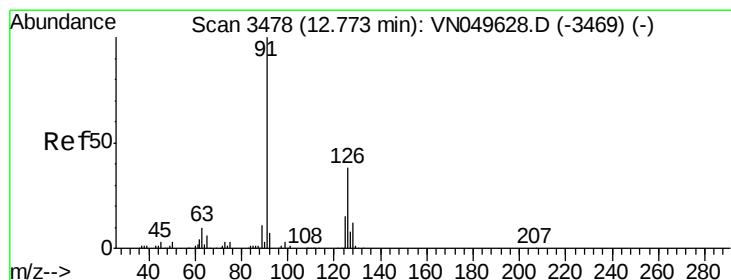
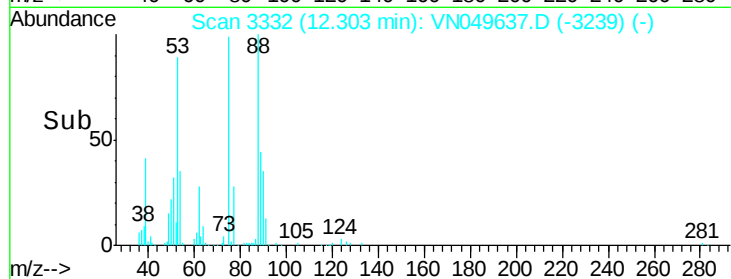
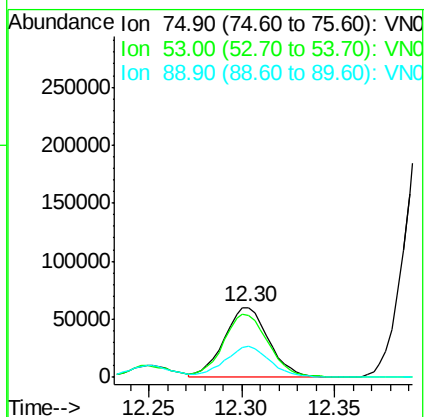
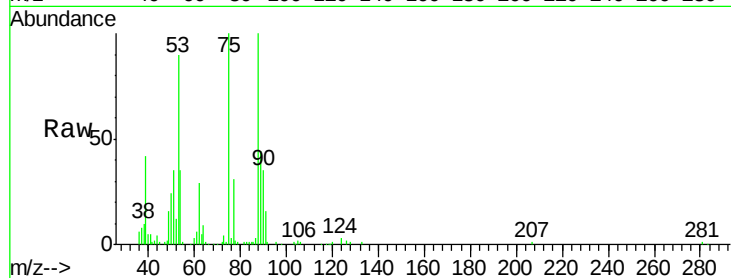
Tot Ion: 75 Resp: 99190

Ion Ratio Lower Upper

75 100

53 93.0 82.7 124.1

89 45.2 36.5 54.7



#82

4-Chlorotoluene

Concen: 20.66 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049637.D

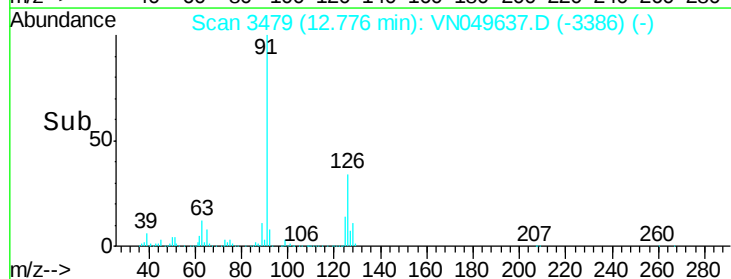
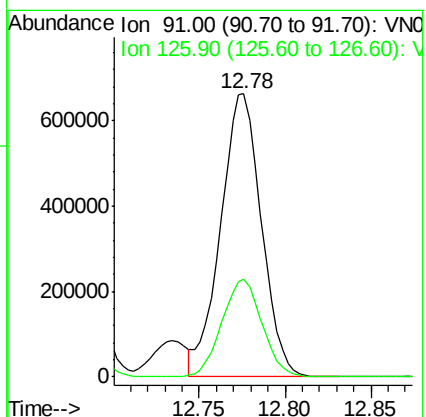
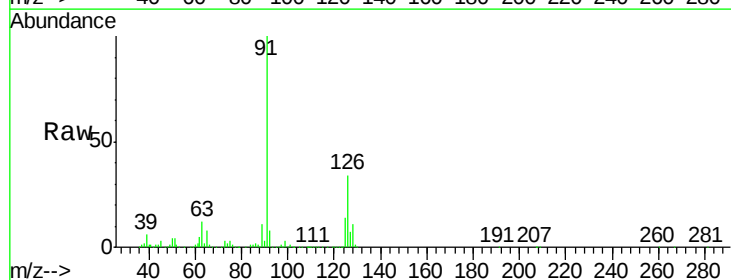
Acq: 29 Jun 2018 17:49

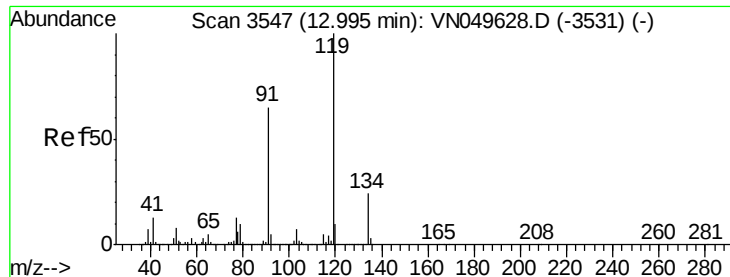
Tgt Ion: 91 Resp: 1097455

Ion Ratio Lower Upper

91 100

126 34.0 16.4 49.1





#83

tert-Butylbenzene

Concen: 20.59 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

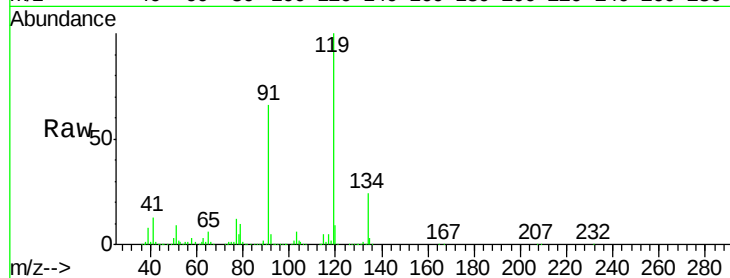
Tot Ion:119 Resp: 1070570

Ion Ratio Lower Upper

119 100

91 65.2 33.7 101.0

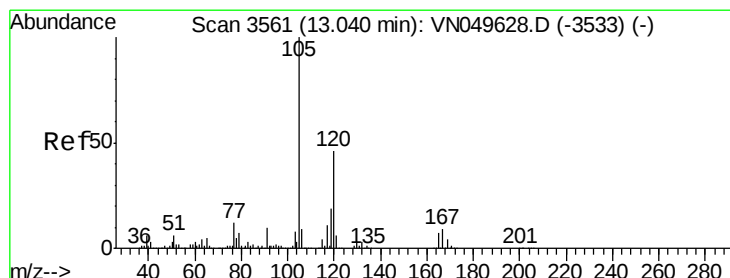
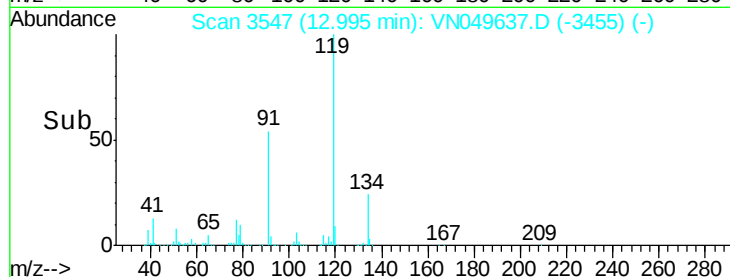
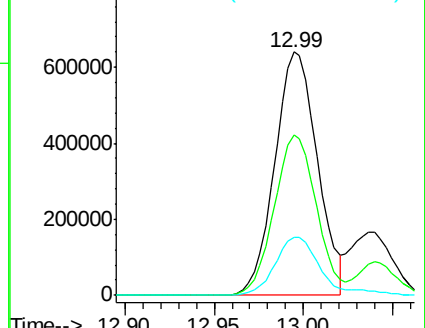
134 25.5 12.9 38.6



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: 21.37 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049637.D

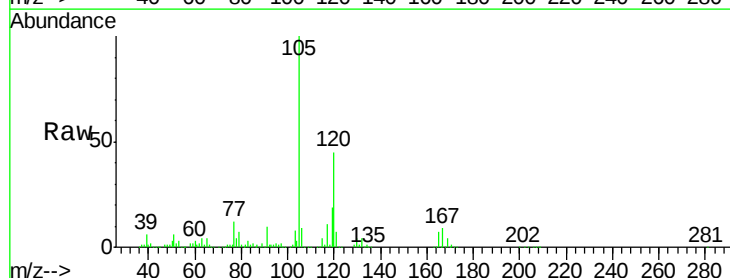
Acq: 29 Jun 2018 17:49

Tgt Ion:105 Resp: 1328888

Ion Ratio Lower Upper

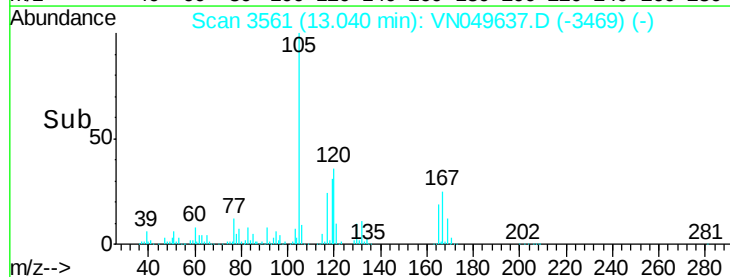
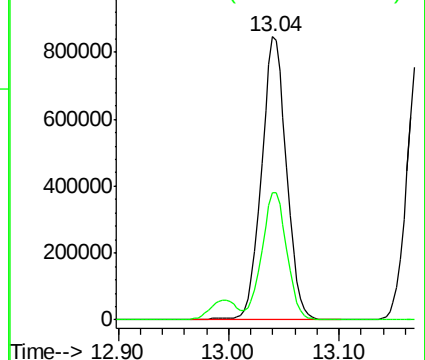
105 100

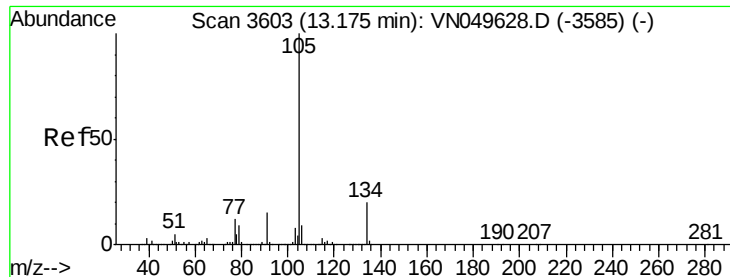
120 45.0 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.58 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

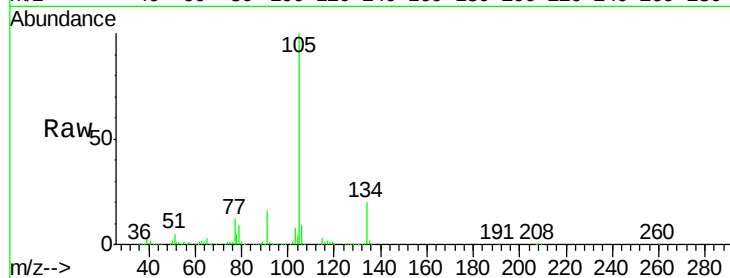
ClientSampleId :

Tot Ion:105 Resp: 1417275

Ion Ratio Lower Upper

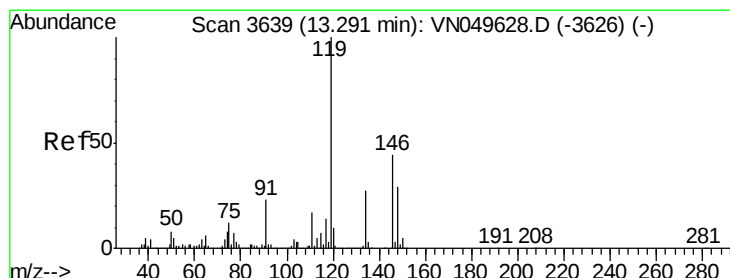
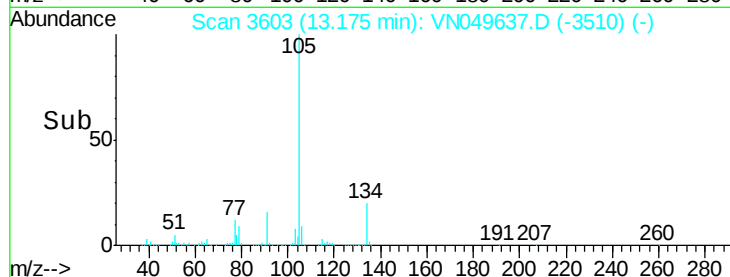
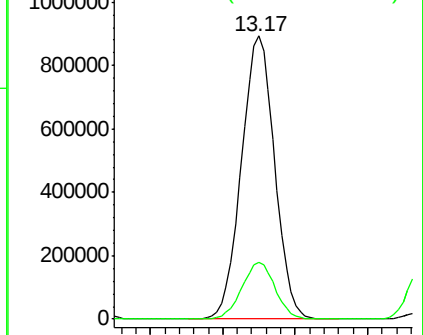
105 100

134 20.2 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.97 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

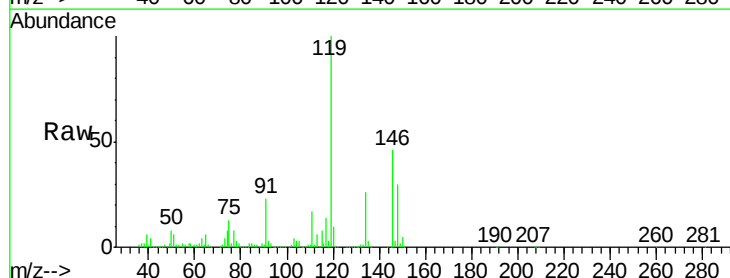
Tgt Ion:119 Resp: 1251434

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

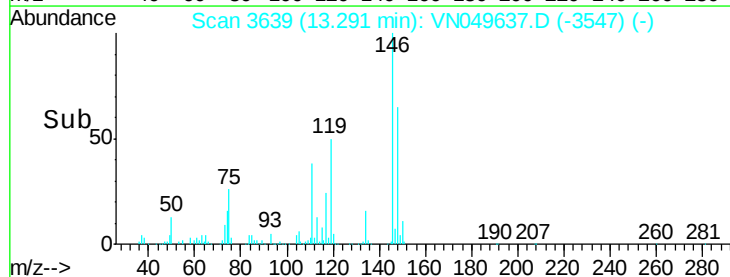
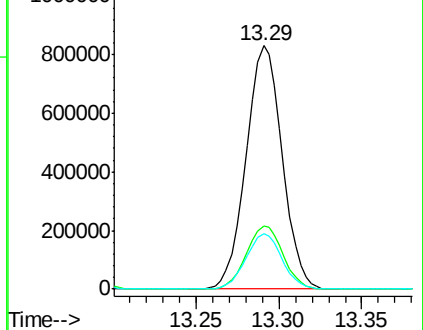
91 22.8 12.1 36.3

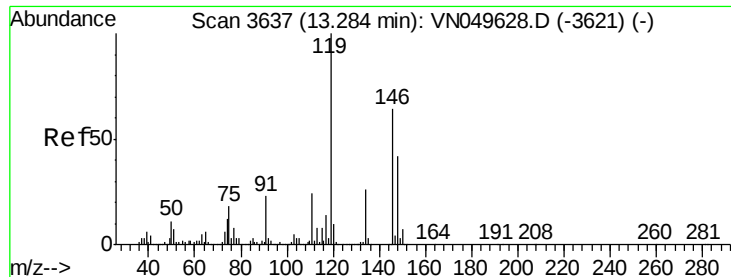


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.73 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

ClientSampleId :

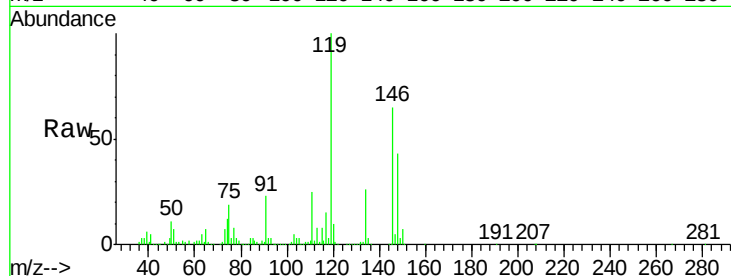
Tot Ion:146 Resp: 706404

Ion Ratio Lower Upper

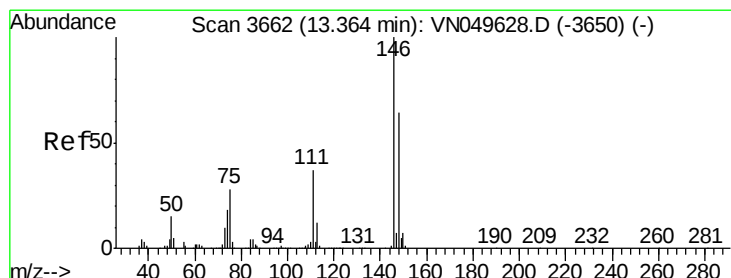
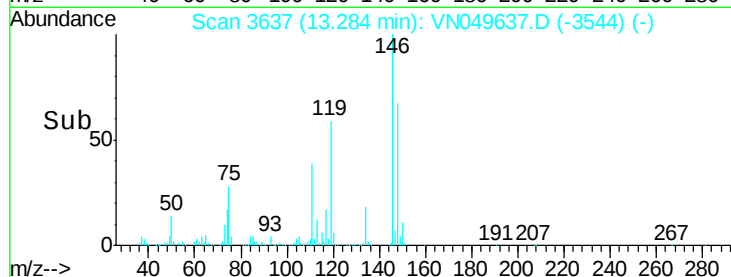
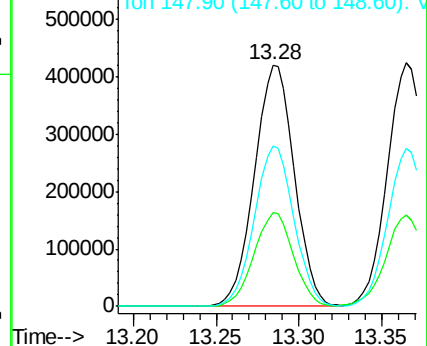
146 100

111 38.2 19.9 59.6

148 65.7 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 20.91 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

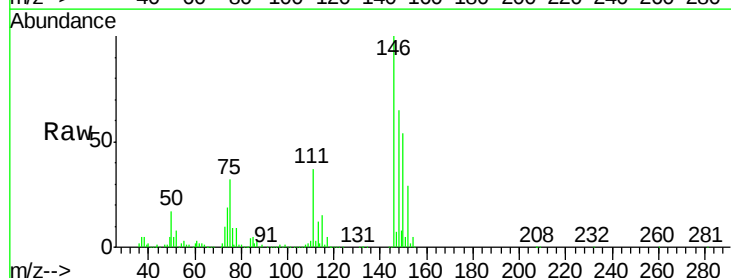
Tgt Ion:146 Resp: 697169

Ion Ratio Lower Upper

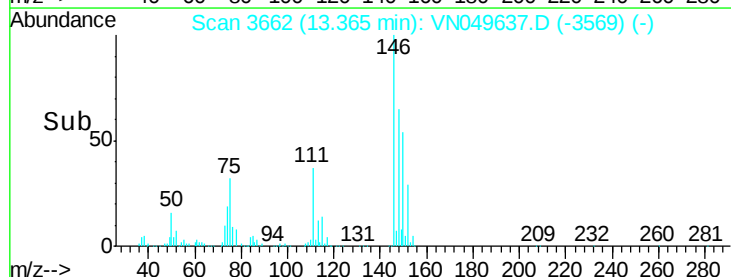
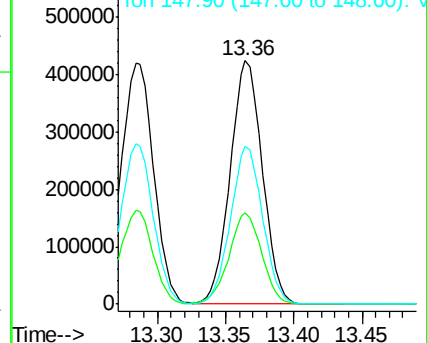
146 100

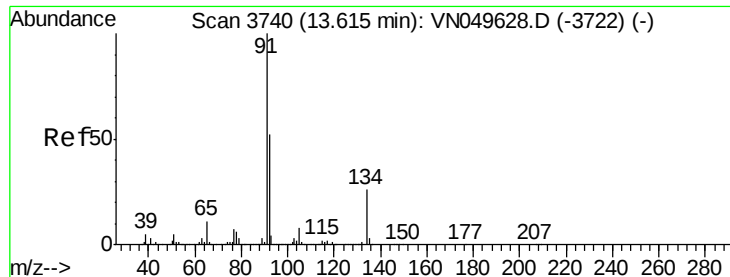
111 37.9 19.1 57.1

148 64.5 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

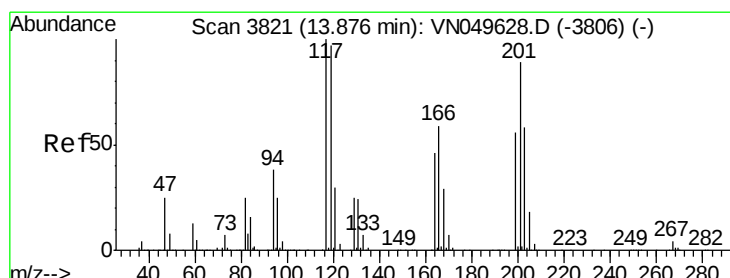
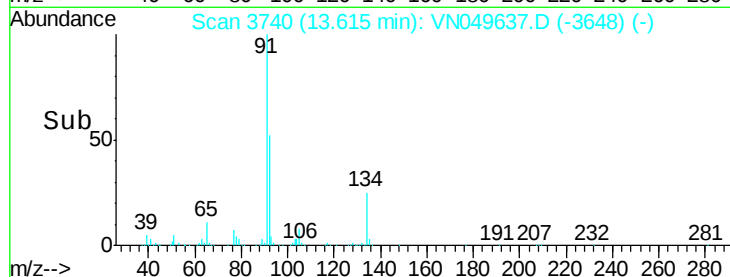
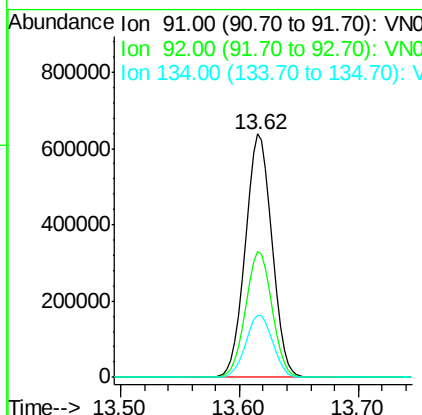
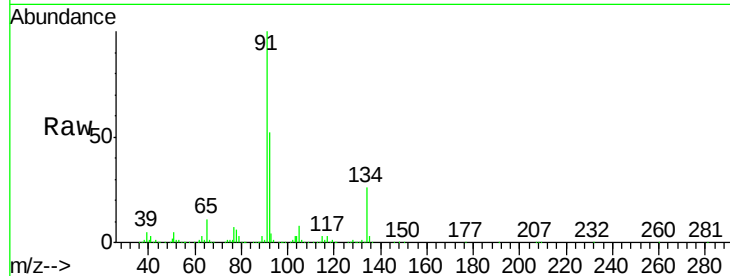




#89
n-Butylbenzene
Concen: 19.28 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

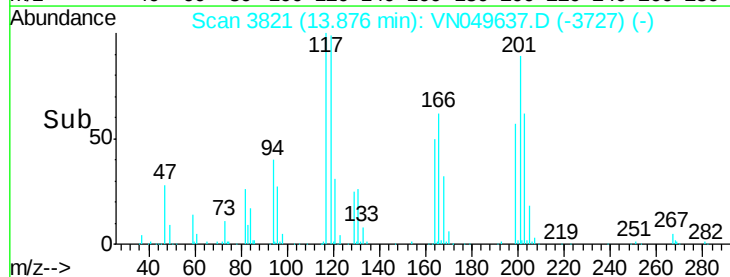
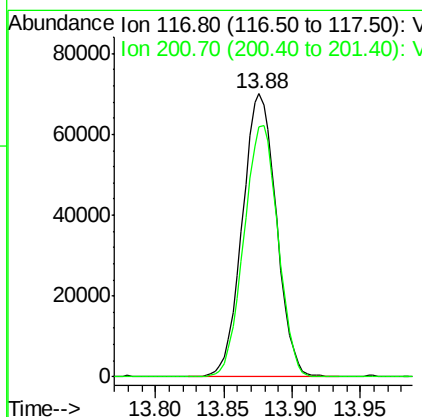
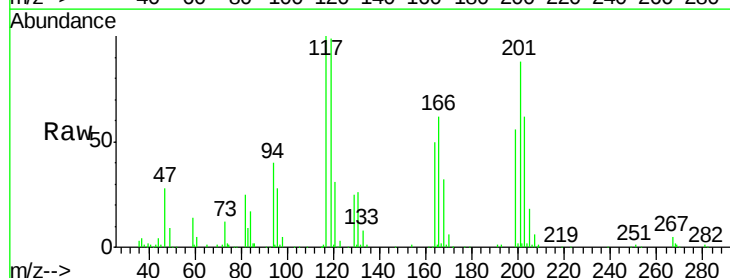
Instrument :
MSVOA_N
ClientSampleId :

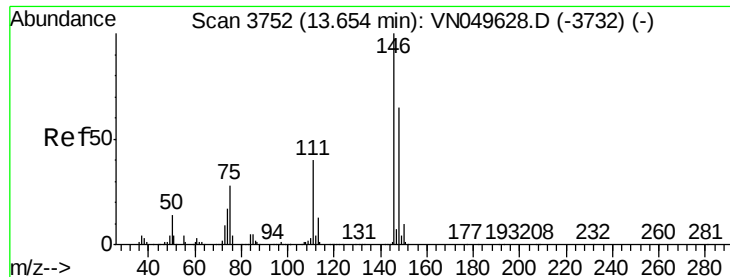
Tot Ion: 91 Resp: 984799
Ion Ratio Lower Upper
91 100
92 51.6 25.1 75.4
134 26.1 12.0 36.0



#90
Hexachloroethane
Concen: 19.30 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049637.D
Acq: 29 Jun 2018 17:49

Tgt Ion: 117 Resp: 120969
Ion Ratio Lower Upper
117 100
201 88.9 40.1 120.2

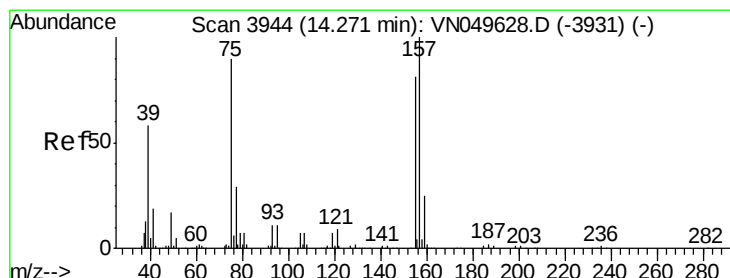
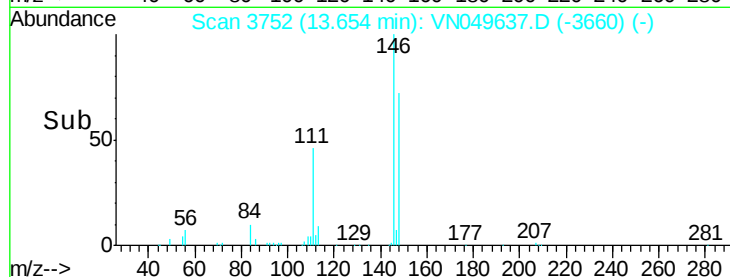
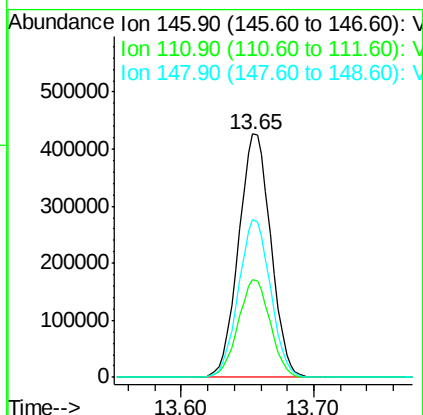
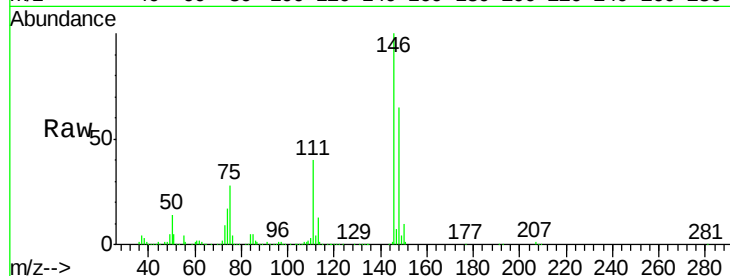




#91
 1,2-Dichlorobenzene
 Concen: 21.73 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

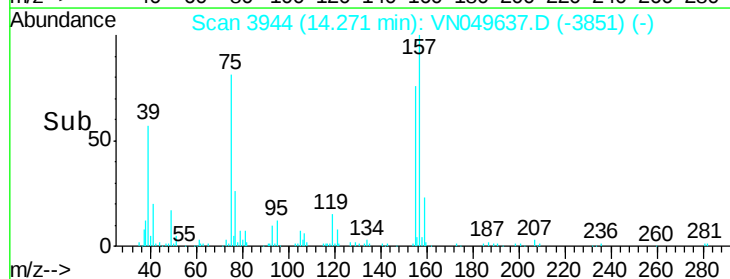
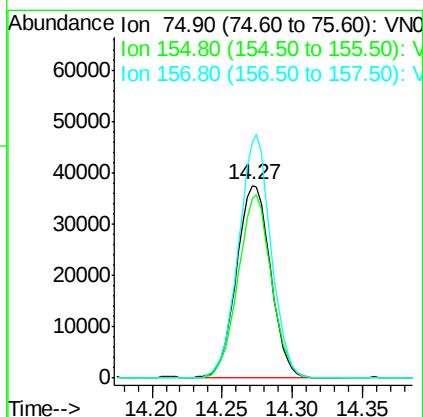
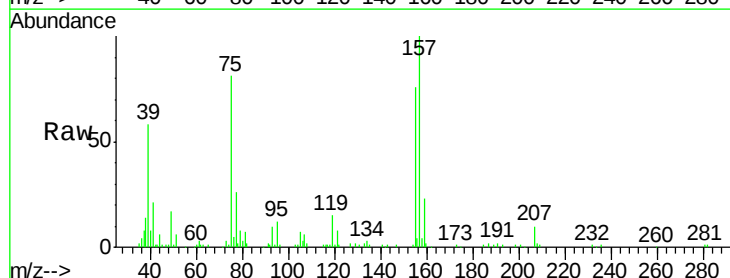
Instrument :
 MSVOA_N
 ClientSampleId :

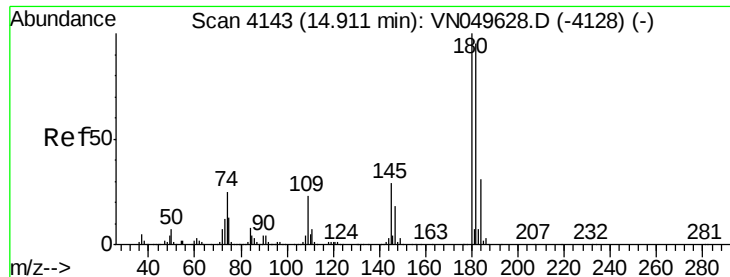
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.8	62.2
148	64.3	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.74 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	38.8	116.3
157	119.2	51.0	153.1

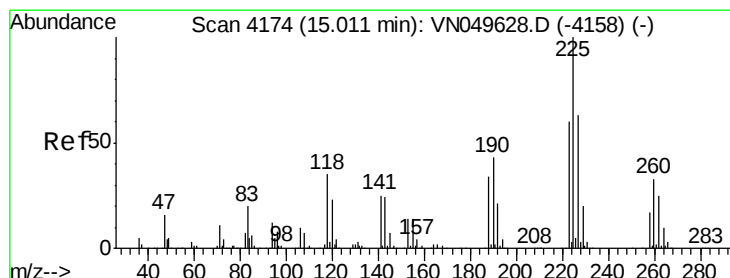
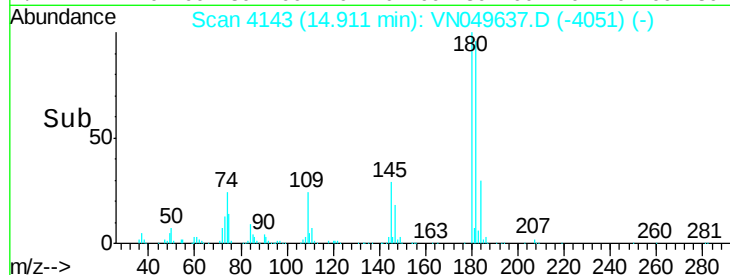
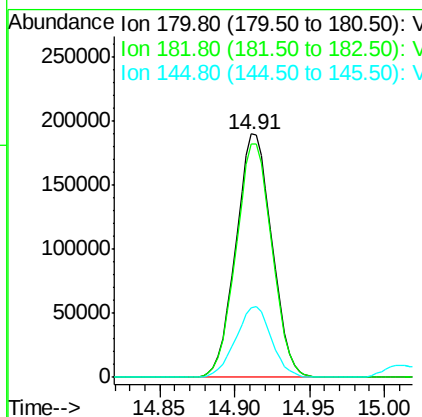
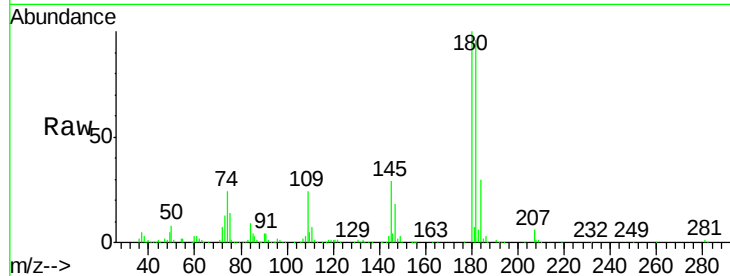




#93
 1,2,4-Trichlorobenzene
 Concen: 20.34 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

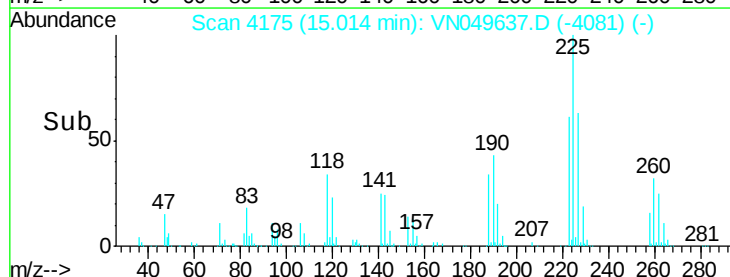
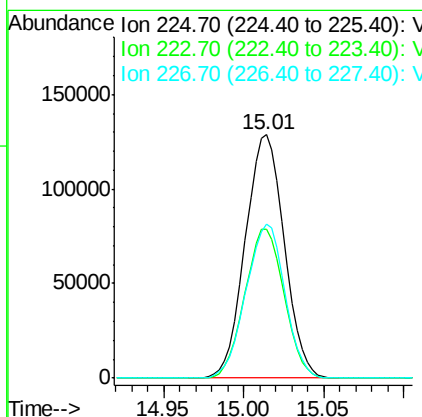
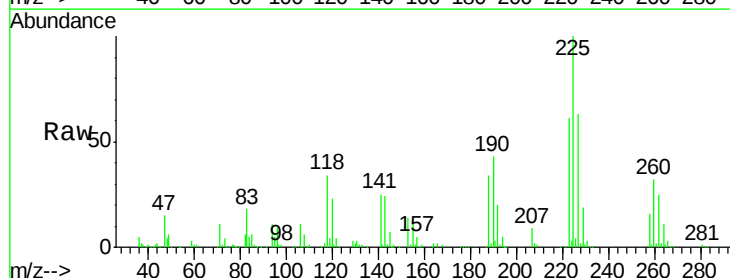
Instrument :
 MSVOA_N
 ClientSampleId :

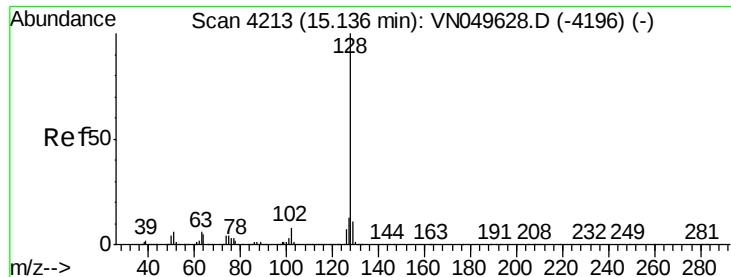
Tot Ion:180 Resp: 317443
 Ion Ratio Lower Upper
 180 100
 182 95.9 46.9 140.8
 145 28.9 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 20.81 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049637.D
 Acq: 29 Jun 2018 17:49

Tgt Ion:225 Resp: 214768
 Ion Ratio Lower Upper
 225 100
 223 61.6 32.1 96.3
 227 63.3 31.8 95.3





#95

Naphthalene

Concen: 22.11 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

Instrument :

MSVOA_N

ClientSampled :

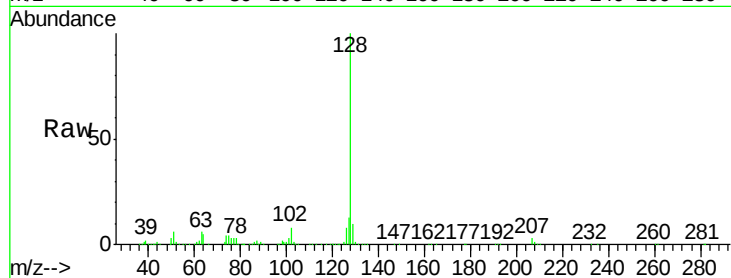
Tot Ion:128 Resp: 705048

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

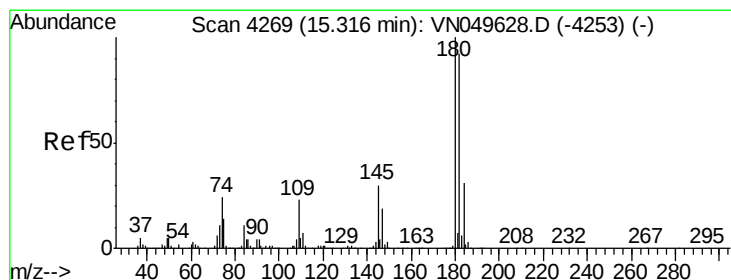
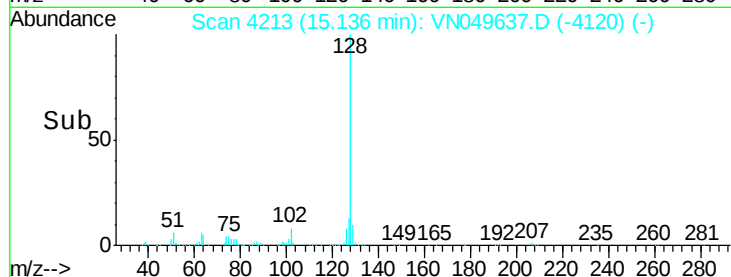
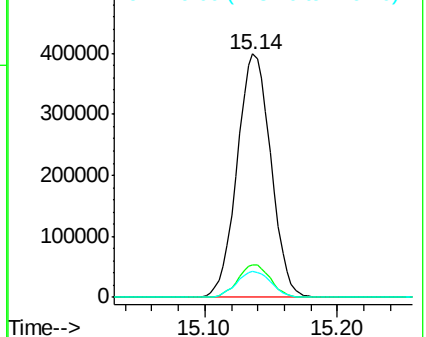
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.21 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049637.D

Acq: 29 Jun 2018 17:49

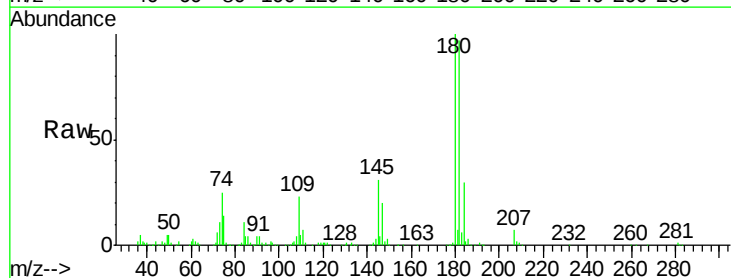
Tgt Ion:180 Resp: 323673

Ion Ratio Lower Upper

180 100

182 96.6 47.3 141.8

145 30.7 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

