

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054657.D
 Acq On : 24 Mar 2019 19:11
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 06:18:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	447370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	754420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	649483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	284215	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	303622	54.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.12%	
35) Dibromofluoromethane	7.59	113	243543	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.09	98	897789	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.40	95	310589	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	234590	54.853	ug/l	98
3) Chloromethane	2.06	50	317976	54.646	ug/l	100
4) Vinyl Chloride	2.19	62	295653	50.607	ug/l	99
5) Bromomethane	2.57	94	169402	44.843	ug/l	99
6) Chloroethane	2.71	64	169823	48.464	ug/l	97
7) Trichlorofluoromethane	3.02	101	365599	51.531	ug/l	99
8) Diethyl Ether	3.41	74	126892	46.504	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	193092	46.309	ug/l	93
10) Methyl Iodide	3.95	142	289389	47.181	ug/l #	90
11) Tert butyl alcohol	4.82	59	84402	250.532	ug/l	99
12) 1,1-Dichloroethene	3.73	96	193184	44.770	ug/l #	75
13) Acrolein	3.61	56	56125	120.721	ug/l	92
14) Allyl chloride	4.32	41	451974	55.624	ug/l #	91
15) Acrylonitrile	5.00	53	483423	288.148	ug/l	99
16) Acetone	3.82	43	341142	203.911	ug/l #	84
17) Carbon Disulfide	4.04	76	528497	45.711	ug/l	99
18) Methyl Acetate	4.33	43	220876	59.233	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	699707	55.562	ug/l	96
20) Methylene Chloride	4.55	84	265139	53.763	ug/l #	80
21) trans-1,2-Dichloroethene	5.04	96	240080	54.487	ug/l	87
22) Diisopropyl ether	5.96	45	961447	59.988	ug/l #	92
23) Vinyl Acetate	5.90	43	3387117	299.225	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	499642	57.898	ug/l	97
25) 2-Butanone	6.85	43	598203	279.130	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	299991	48.766	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	286632	54.539	ug/l	89
28) Bromochloromethane	7.19	49	237239	55.851	ug/l #	72
29) Tetrahydrofuran	7.22	42	413362	297.227	ug/l #	83
30) Chloroform	7.37	83	480970	57.110	ug/l	100
31) Cyclohexane	7.65	56	467638	56.806	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	391126	56.293	ug/l	95
36) 1,1-Dichloropropene	7.79	75	354431	50.246	ug/l	96
37) Ethyl Acetate	6.94	43	273668	54.548	ug/l	95
38) Carbon Tetrachloride	7.77	117	333083	48.591	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	384429	47.643	ug/l	89
40) Benzene	8.04	78	1062573	52.678	ug/l	99
41) Methacrylonitrile	7.17	41	169875	55.522	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	386227	52.578	ug/l	97
43) Isopropyl Acetate	8.17	43	471986	55.705	ug/l #	93
44) Trichloroethene	8.84	130	276228	49.257	ug/l	91
45) 1,2-Dichloropropane	9.12	63	298807	55.168	ug/l	99
46) Dibromomethane	9.21	93	169022	52.309	ug/l	90
47) Bromodichloromethane	9.40	83	355816	53.059	ug/l	97
48) Methyl methacrylate	9.20	41	246736	53.652	ug/l #	86
49) 1,4-Dioxane	9.20	88	48020	934.025	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1318175	280.717	ug/l	93
52) Toluene	10.16	92	642605	51.797	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	335635	47.560	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	412401	53.634	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	233641	52.391	ug/l	97
56) Ethyl methacrylate	10.43	69	327094	54.647	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	417773	53.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	516729	209.649	ug/l	89
59) 2-Hexanone	10.75	43	818728	266.930	ug/l	91
60) Dibromochloromethane	10.90	129	244248	51.471	ug/l	100
61) 1,2-Dibromoethane	11.01	107	229548	52.066	ug/l	99
64) Tetrachloroethene	10.63	164	263499	48.912	ug/l	95
65) Chlorobenzene	11.43	112	679883	51.468	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	249525	52.627	ug/l	99
67) Ethyl Benzene	11.51	91	1209505	51.834	ug/l	98
68) m/p-Xylenes	11.62	106	893188	101.058	ug/l	95
69) o-Xylene	11.95	106	448355	51.944	ug/l	98
70) Styrene	11.96	104	734450	52.397	ug/l	97
71) Bromoform	12.13	173	145465	44.745	ug/l	100
73) Isopropylbenzene	12.25	105	1150801	50.247	ug/l	98
74) N-amyl acetate	12.07	43	376755	57.211	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	283677	54.260	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	333936	74.043	ug/l #	100
77) Bromobenzene	12.53	156	285687	50.296	ug/l	85
78) n-propylbenzene	12.59	91	1262848	50.850	ug/l	97
79) 2-Chlorotoluene	12.67	91	774210	49.992	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	940627	50.112	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	55838	43.145	ug/l #	78
82) 4-Chlorotoluene	12.77	91	763365	50.852	ug/l	97
83) tert-Butylbenzene	12.99	119	818893	50.119	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	928595	50.417	ug/l	97
85) sec-Butylbenzene	13.17	105	1014197	49.794	ug/l	98
86) p-Isopropyltoluene	13.29	119	898831	49.326	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	470306	49.964	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	459036	50.122	ug/l	98
89) n-Butylbenzene	13.61	91	711671	49.947	ug/l	98
90) Hexachloroethane	13.87	117	143381	50.691	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	465213	51.025	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41065	53.551	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	233554	51.387	ug/l	98
94) Hexachlorobutadiene	15.01	225	137333	53.977	ug/l	98
95) Naphthalene	15.13	128	521685	51.459	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	230106	50.869	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

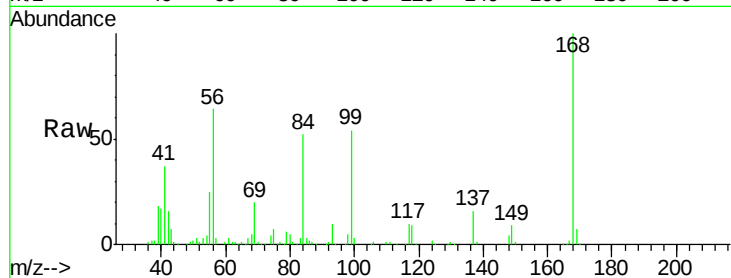
ClientSampleId :

Tot Ion:168 Resp: 447370

Ion Ratio Lower Upper

168 100

99 53.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

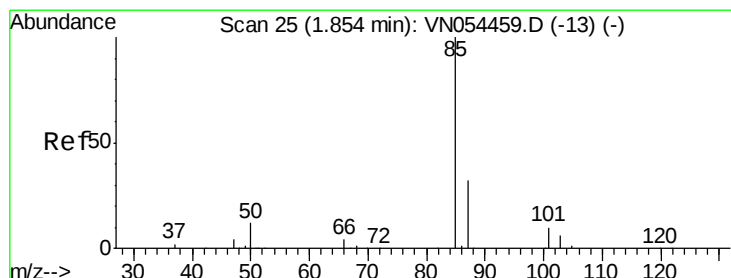
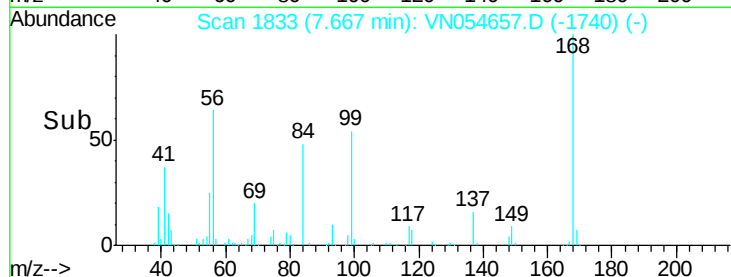
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.853 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054657.D

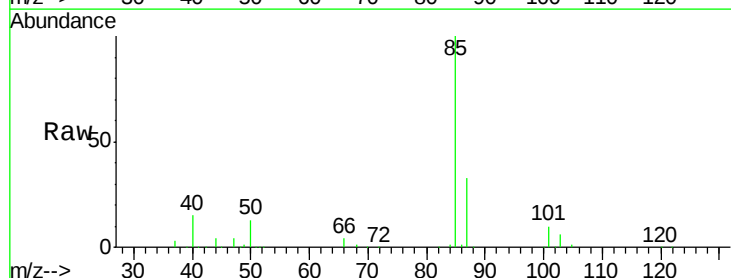
Acq: 24 Mar 2019 19:11

Tgt Ion: 85 Resp: 234590

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

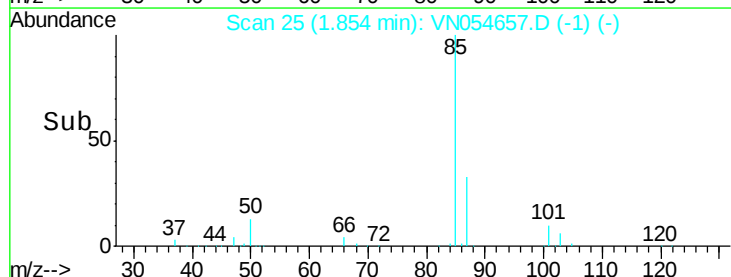
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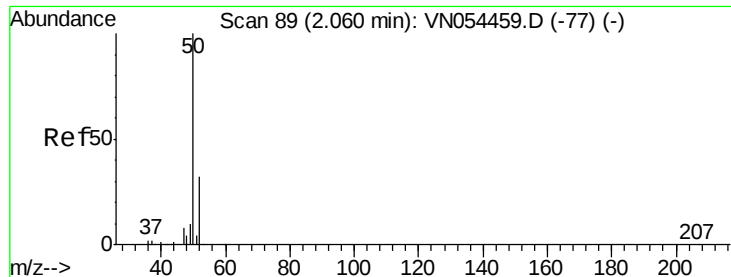
100000

50000

0

Time-->





#3

Chloromethane

Concen: 54.646 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

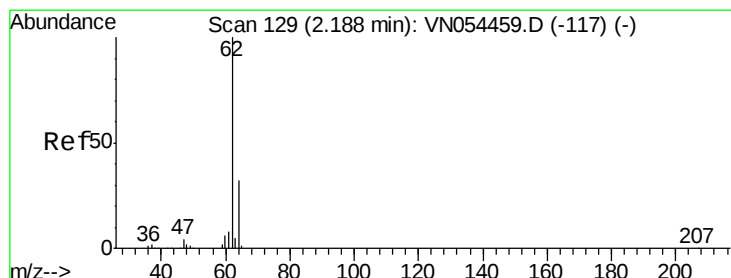
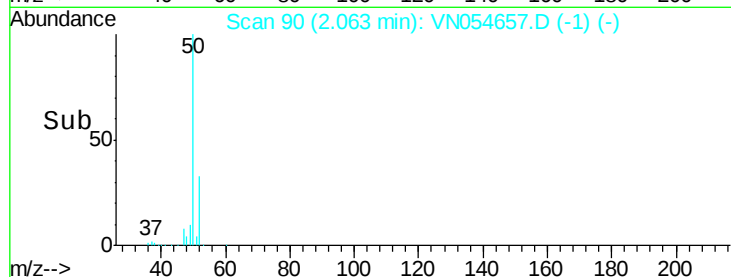
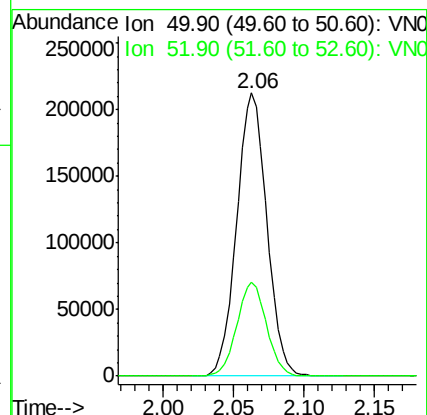
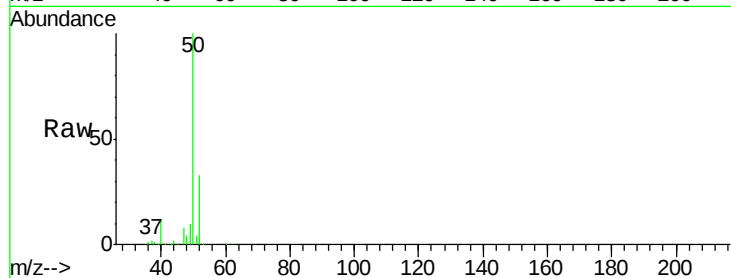
ClientSampleId :

Tot Ion: 50 Resp: 317976

Ion Ratio Lower Upper

50 100

52 33.2 26.4 39.6



#4

Vinyl Chloride

Concen: 50.607 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054657.D

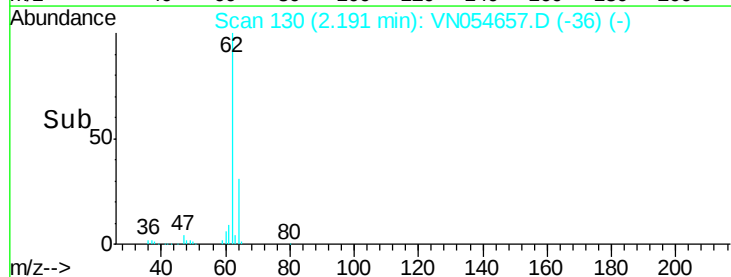
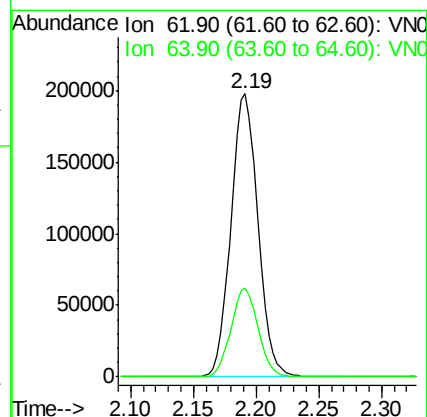
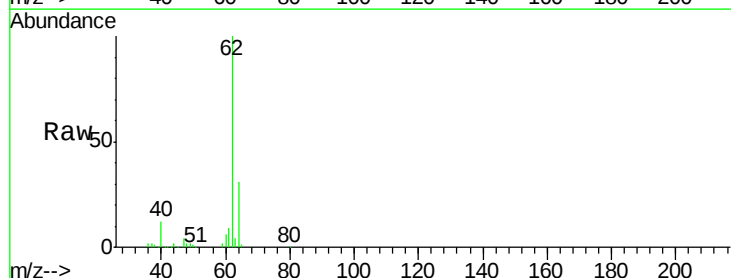
Acq: 24 Mar 2019 19:11

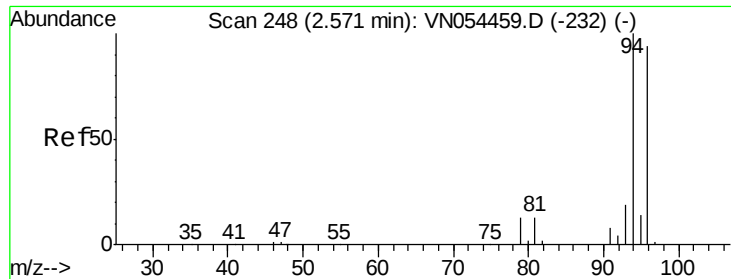
Tgt Ion: 62 Resp: 295653

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





#5

Bromomethane

Concen: 44.843 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

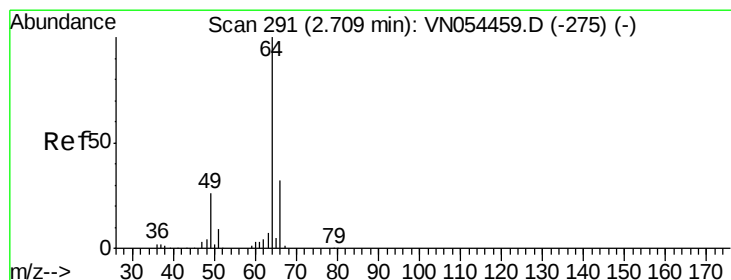
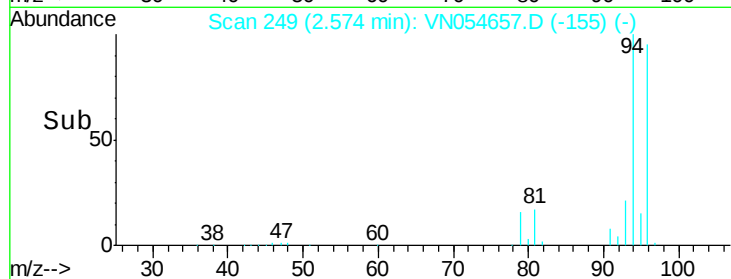
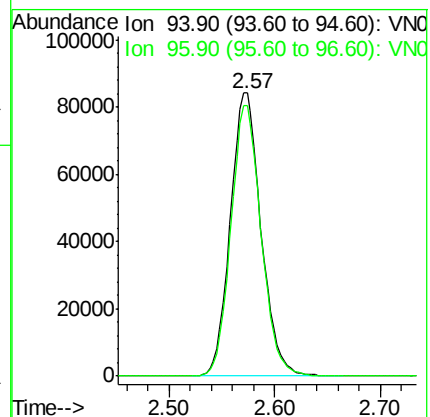
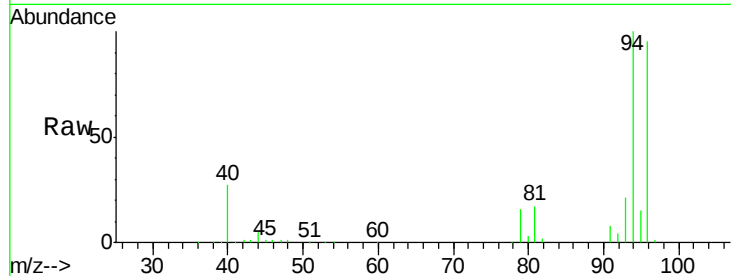
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 169402

Ion Ratio Lower Upper

94 100

96 95.4 77.0 115.4



#6

Chloroethane

Concen: 48.464 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054657.D

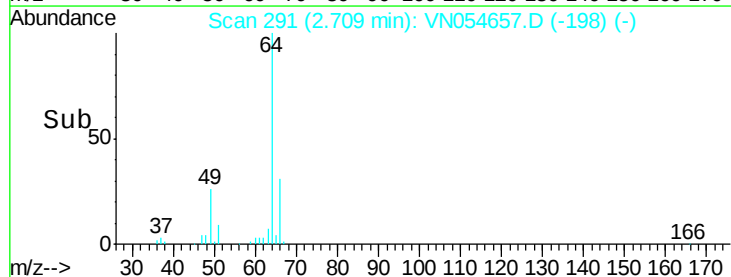
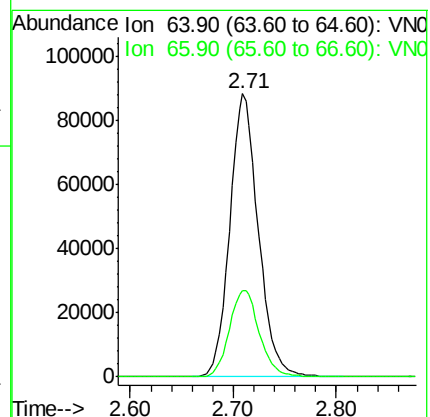
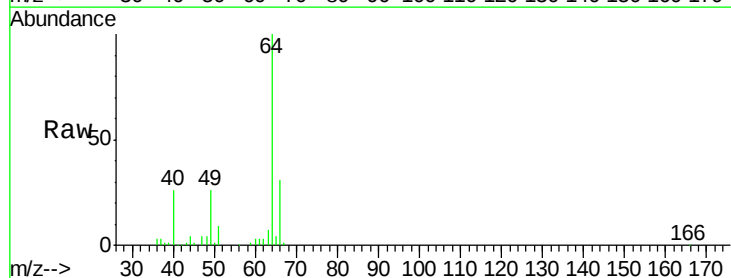
Acq: 24 Mar 2019 19:11

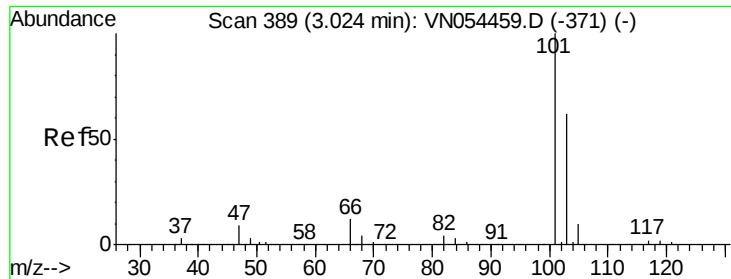
Tgt Ion: 64 Resp: 169823

Ion Ratio Lower Upper

64 100

66 30.6 25.7 38.5



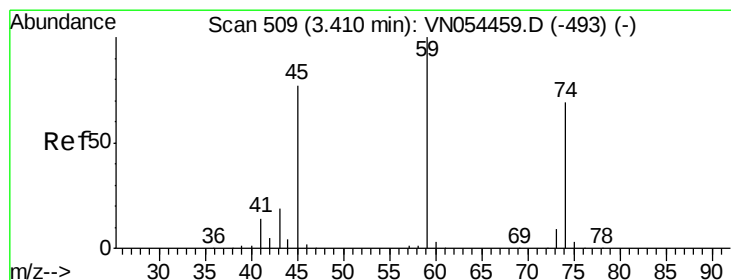
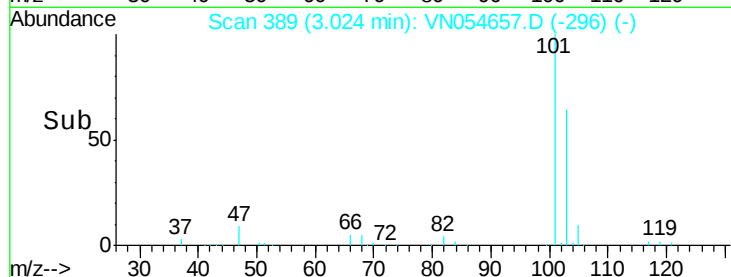
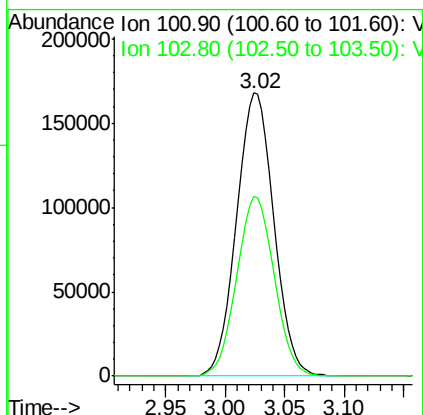
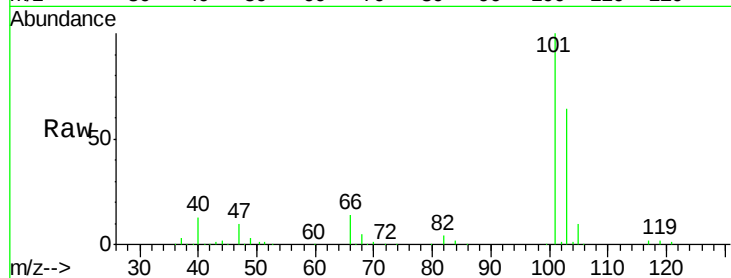


#7

Trichlorofluoromethane
Concen: 51.531 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

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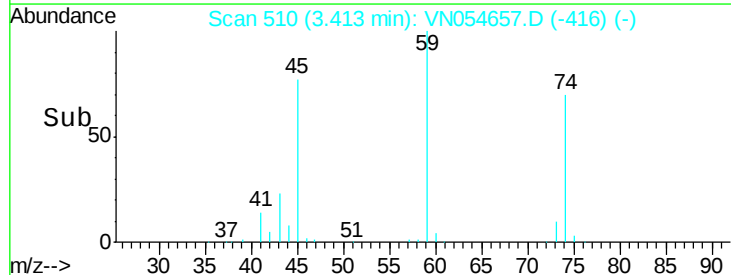
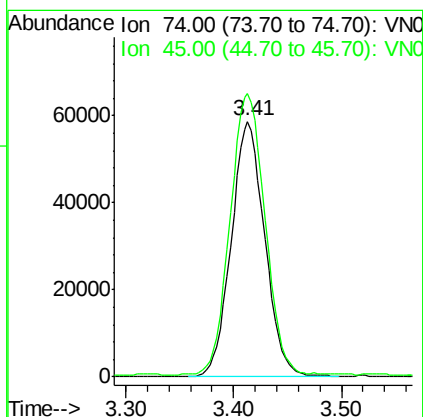
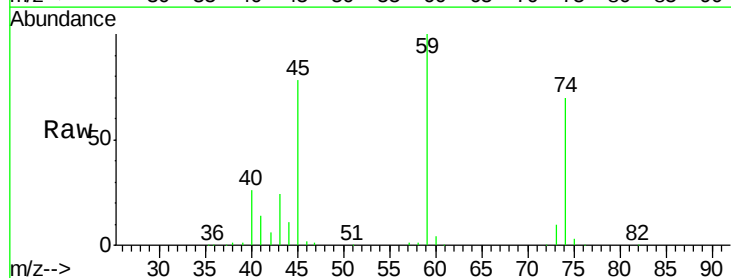
Tot Ion:101 Resp: 365599
Ion Ratio Lower Upper
101 100
103 63.5 51.4 77.2

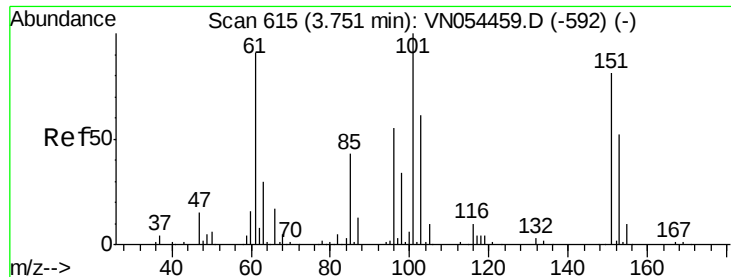


#8

Diethyl Ether
Concen: 46.504 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion: 74 Resp: 126892
Ion Ratio Lower Upper
74 100
45 115.1 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.309 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

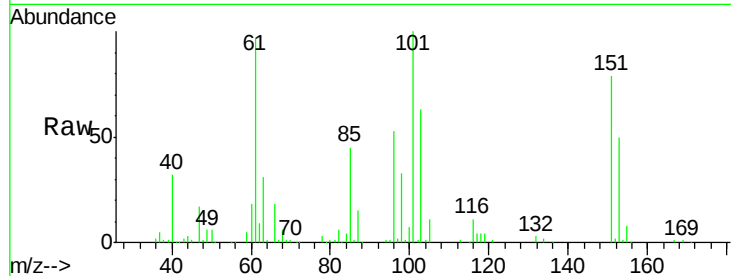
Tot Ion:101 Resp: 193092

Ion Ratio Lower Upper

101 100

85 44.6 32.4 48.6

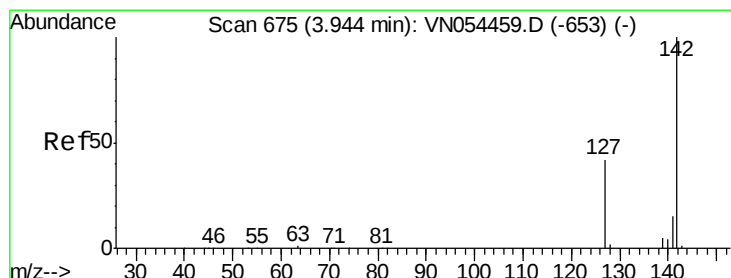
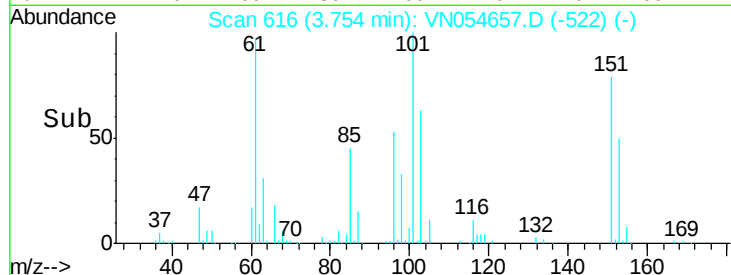
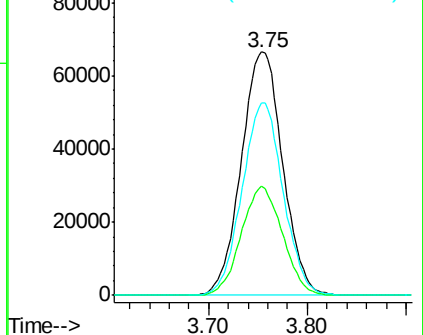
151 78.4 68.2 102.2



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: 47.181 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

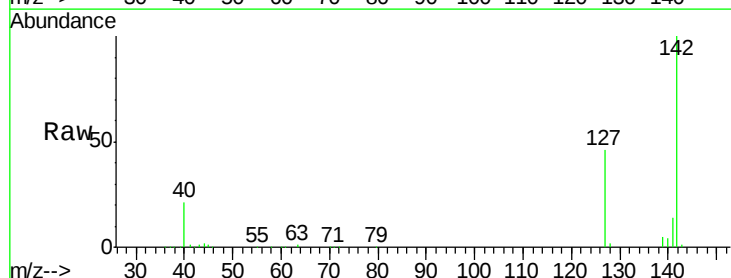
Tgt Ion:142 Resp: 289389

Ion Ratio Lower Upper

142 100

127 45.8 30.3 45.5#

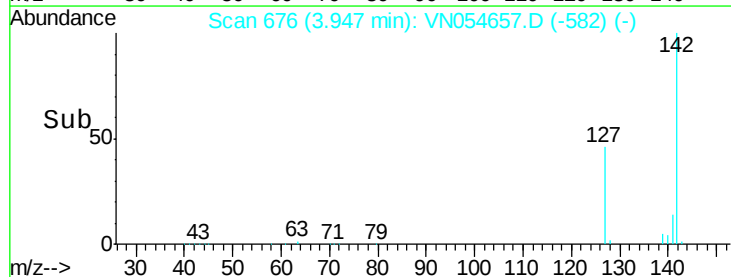
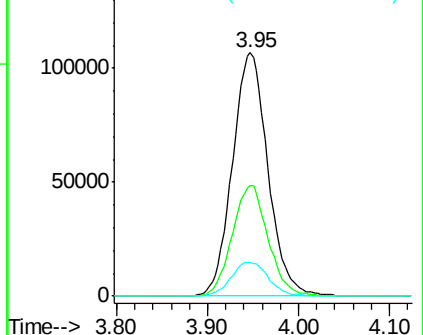
141 14.5 11.2 16.8

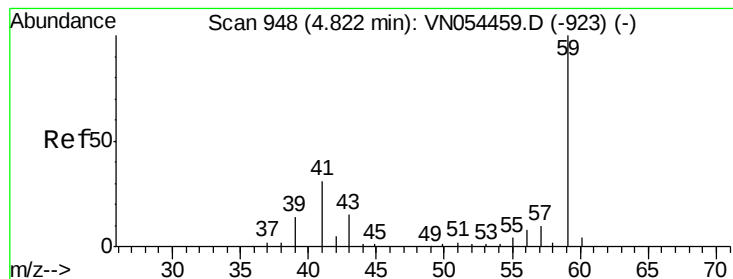


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



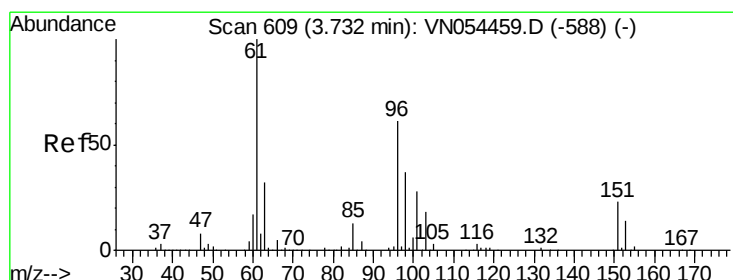
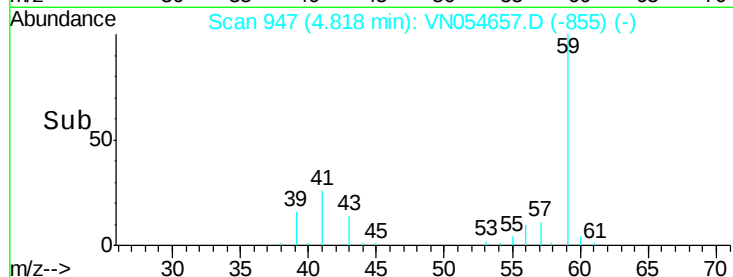
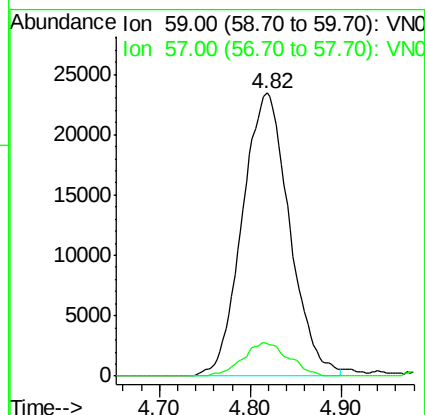
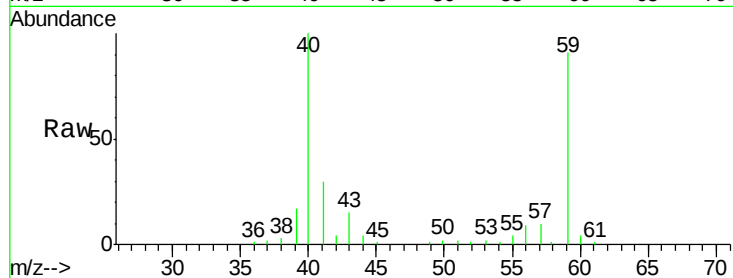


#11

Tert butyl alcohol
 Concen: 250.532 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampled :

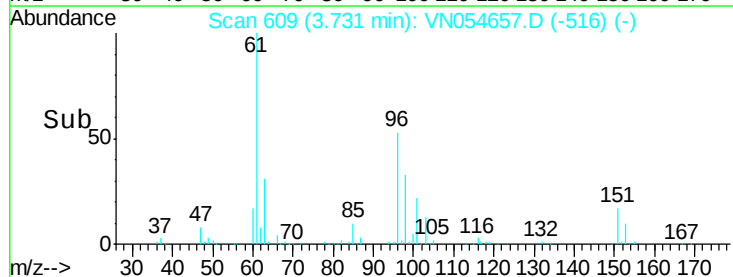
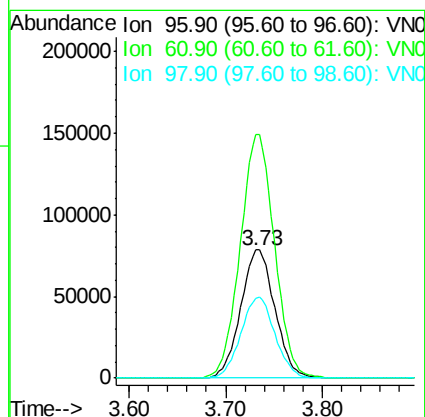
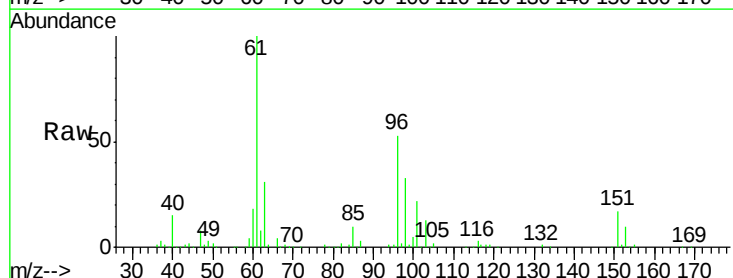
Tot Ion: 59 Resp: 84402
 Ion Ratio Lower Upper
 59 100
 57 11.5 9.0 13.6

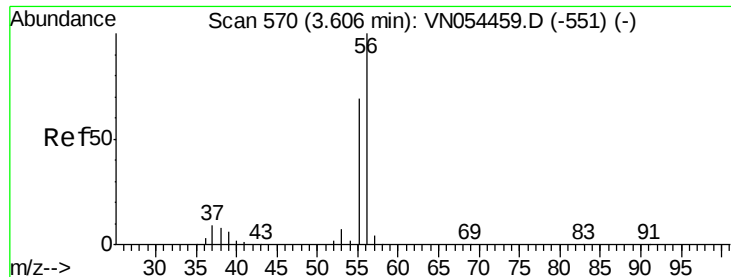


#12

1,1-Dichloroethene
 Concen: 44.770 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion: 96 Resp: 193184
 Ion Ratio Lower Upper
 96 100
 61 190.2 116.5 174.7#
 98 62.4 51.0 76.4





#13

Acrolein

Concen: 120.721 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

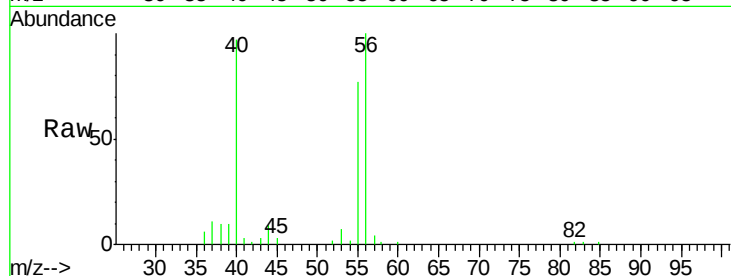
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 56125

Ion Ratio Lower Upper

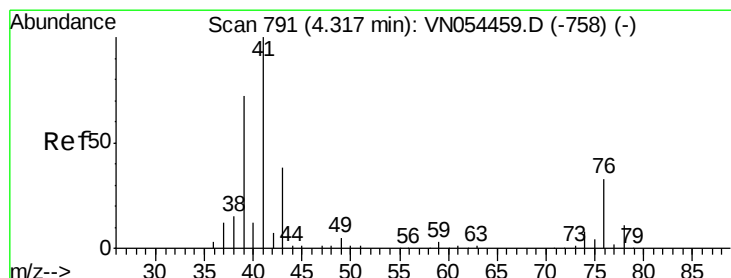
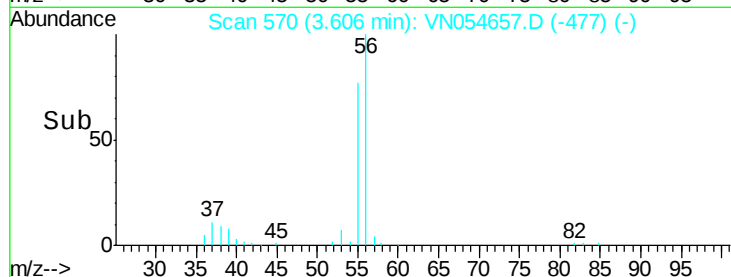
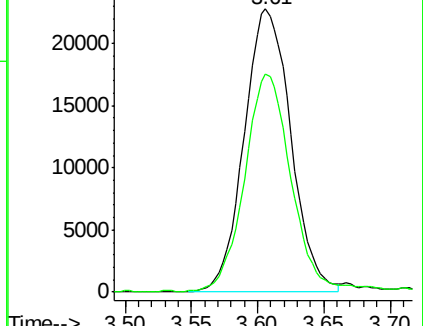
56 100

55 77.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN054459.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN054459.D (-551) (-)



#14

Allyl chloride

Concen: 55.624 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

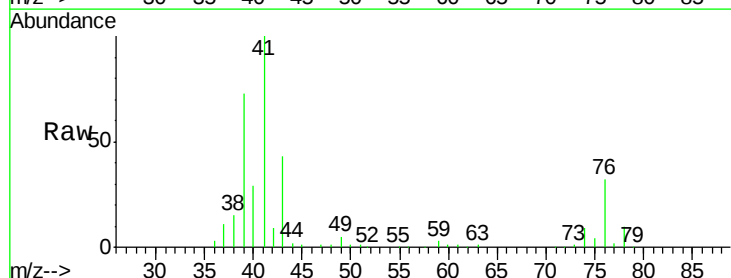
Tgt Ion: 41 Resp: 451974

Ion Ratio Lower Upper

41 100

39 68.7 58.2 87.4

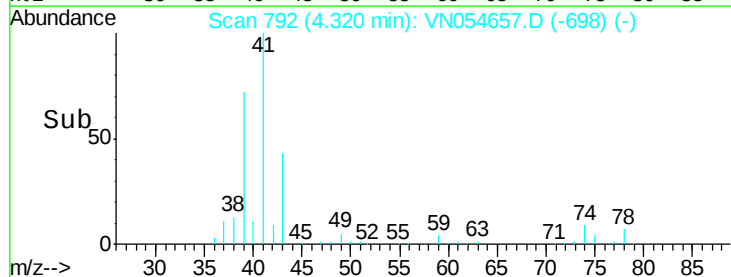
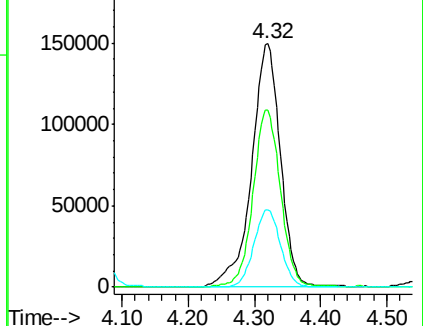
76 29.3 31.7 47.5#

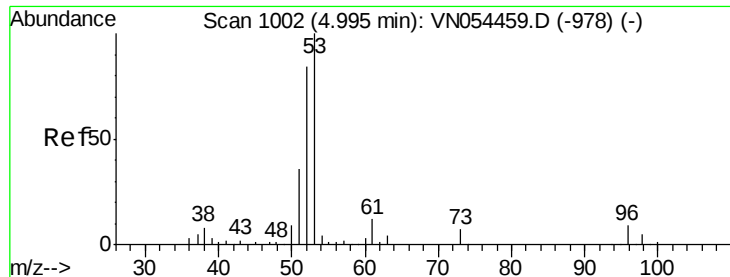


Abundance Ion 41.00 (40.70 to 41.70): VN054459.D (-758) (-)

Ion 39.00 (38.70 to 39.70): VN054459.D (-758) (-)

Ion 75.90 (75.60 to 76.60): VN054459.D (-758) (-)





#15

Acrylonitrile

Concen: 288.148 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

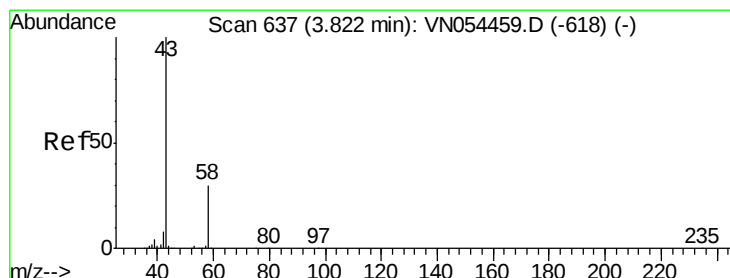
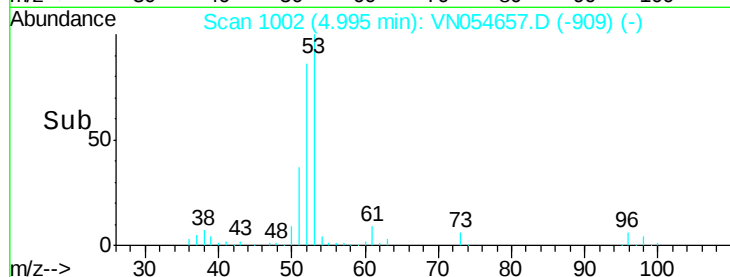
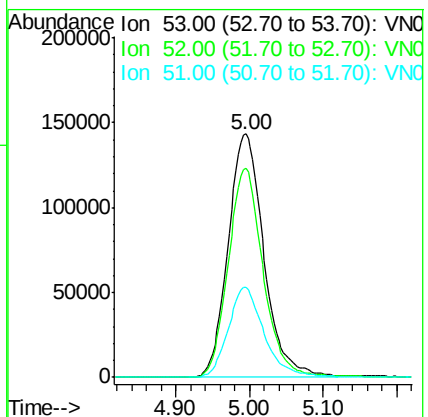
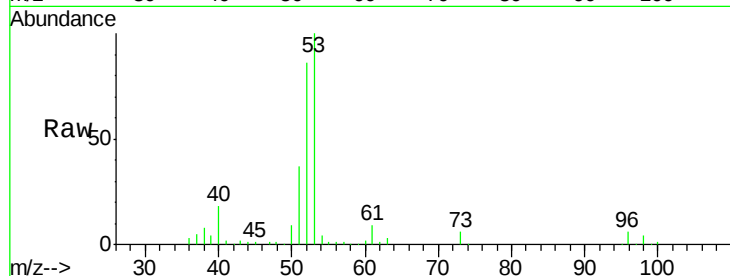
Tot Ion: 53 Resp: 483423

Ion Ratio Lower Upper

53 100

52 83.8 66.4 99.6

51 36.9 29.6 44.4



#16

Acetone

Concen: 203.911 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054657.D

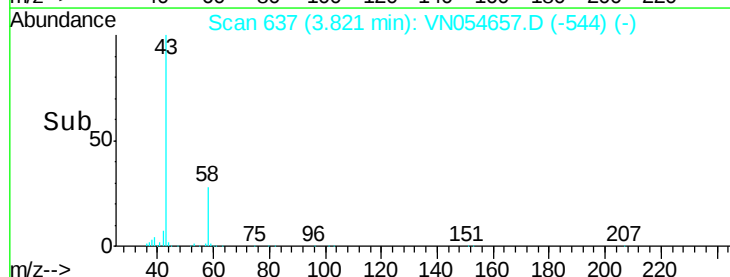
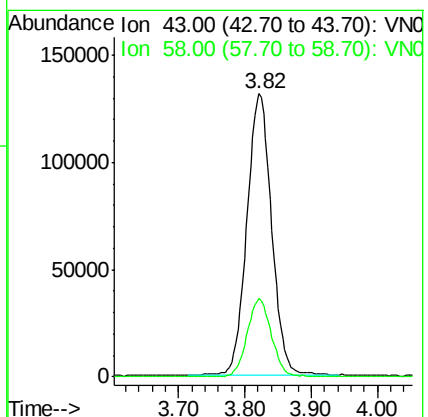
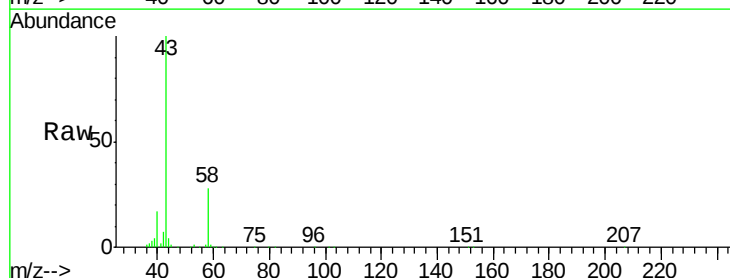
Acq: 24 Mar 2019 19:11

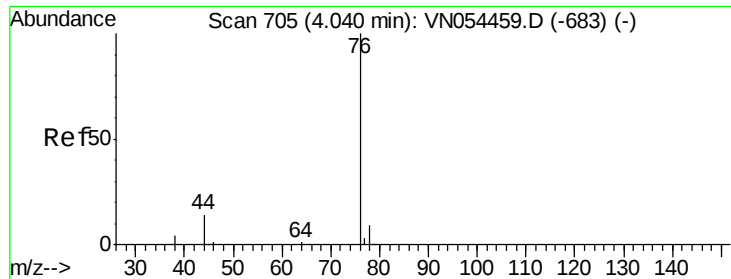
Tgt Ion: 43 Resp: 341142

Ion Ratio Lower Upper

43 100

58 27.7 29.9 44.9#





#17

Carbon Disulfide

Concen: 45.711 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

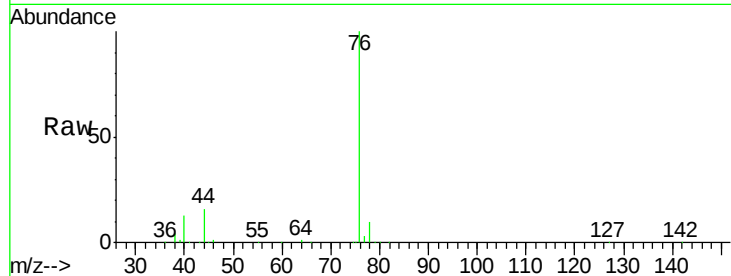
ClientSampled :

Tot Ion: 76 Resp: 528497

Ion Ratio Lower Upper

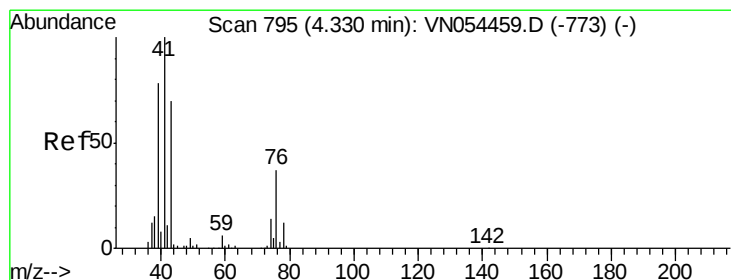
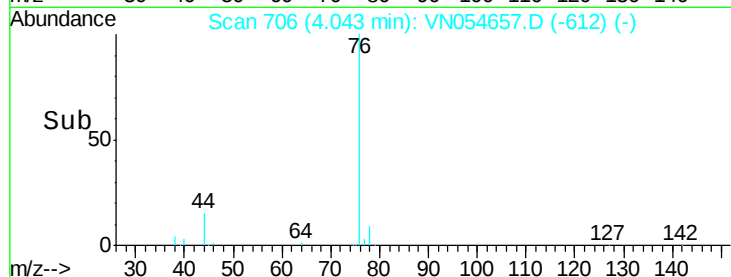
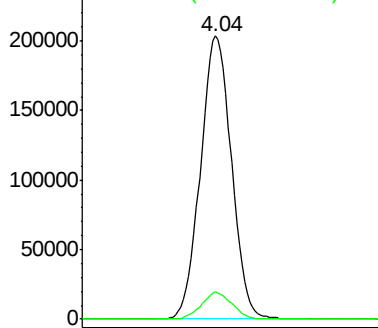
76 100

78 9.6 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 59.233 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054657.D

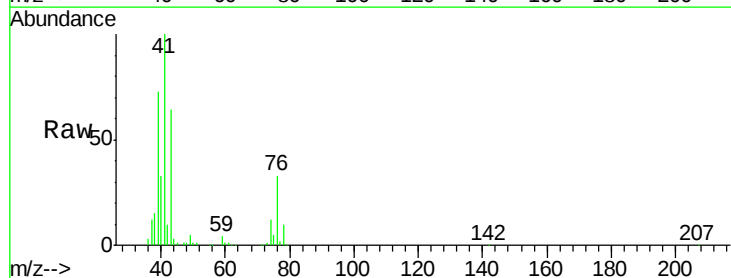
Acq: 24 Mar 2019 19:11

Tgt Ion: 43 Resp: 220876

Ion Ratio Lower Upper

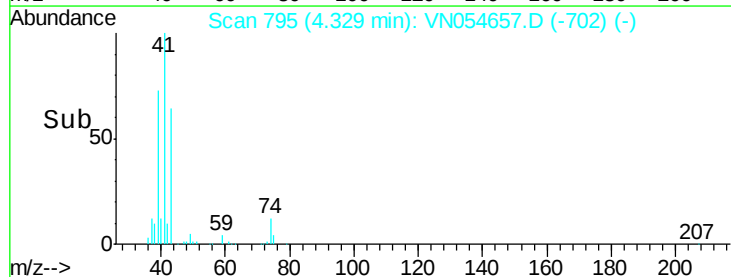
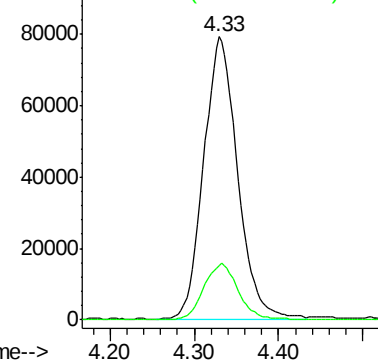
43 100

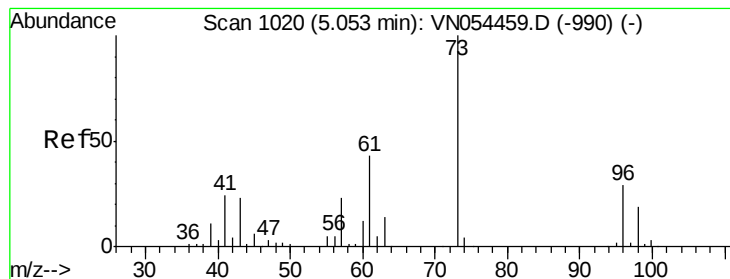
74 20.3 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC



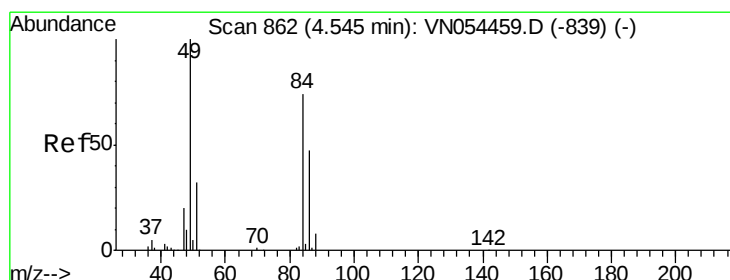
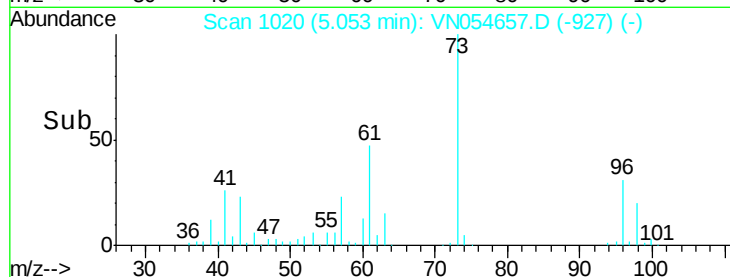
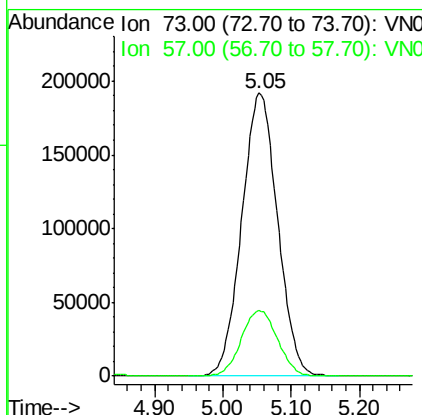
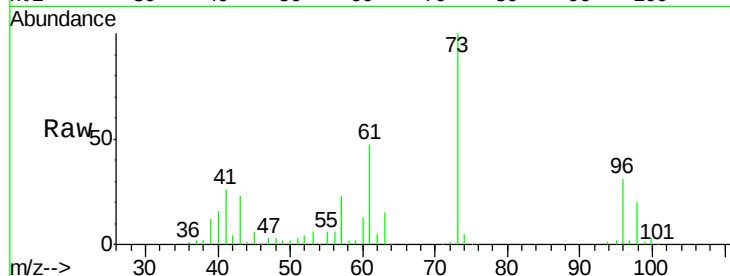


#19

Methyl tert-butyl Ether
 Concen: 55.562 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampled :

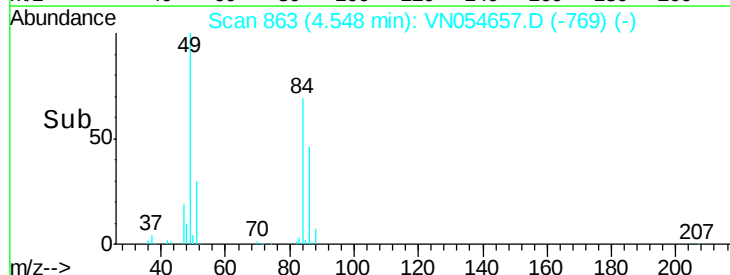
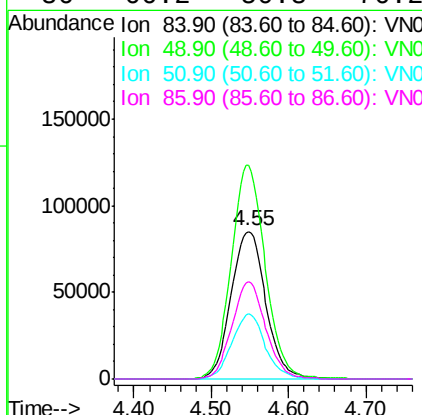
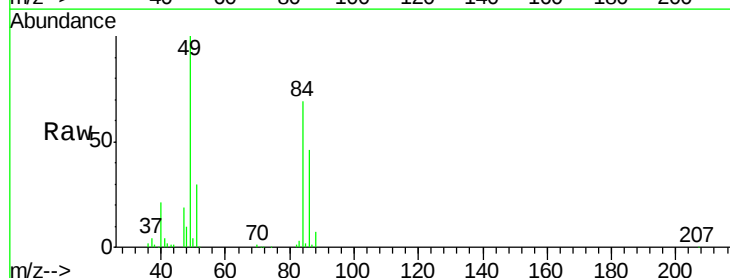
Tot Ion: 73 Resp: 699707
 Ion Ratio Lower Upper
 73 100
 57 23.0 16.8 25.2

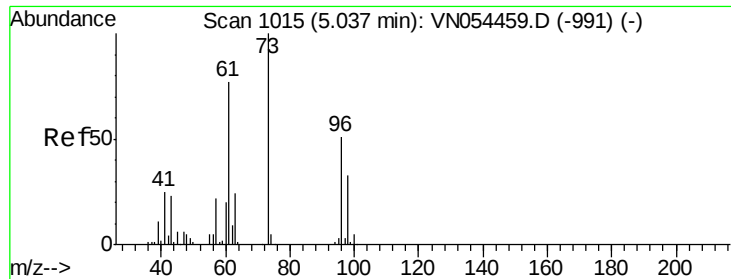


#20

Methylene Chloride
 Concen: 53.763 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion: 84 Resp: 265139
 Ion Ratio Lower Upper
 84 100
 49 144.9 89.7 134.5#
 51 44.1 28.2 42.4#
 86 66.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 54.487 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

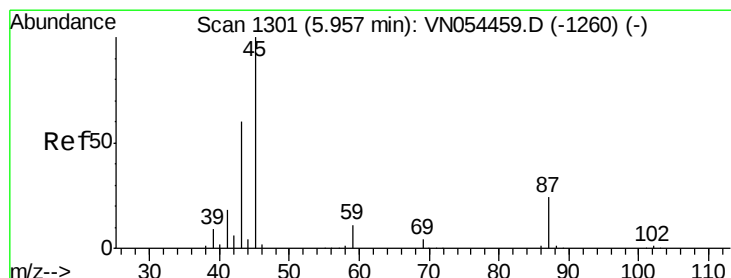
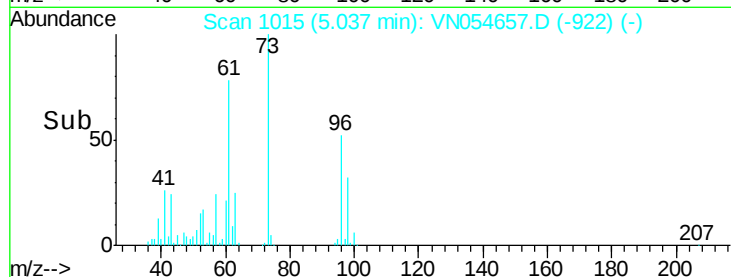
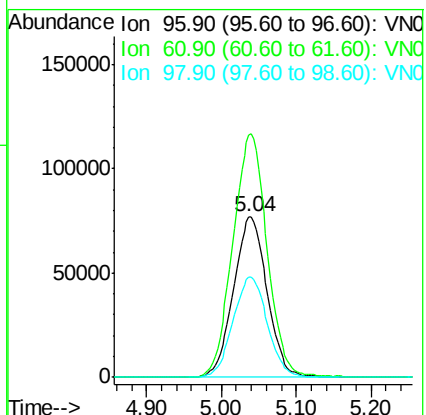
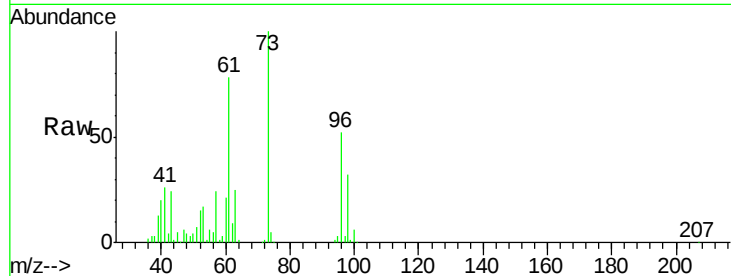
Tot Ion: 96 Resp: 240080

Ion Ratio Lower Upper

96 100

61 150.9 102.8 154.2

98 62.1 50.0 75.0



#22

Diisopropyl ether

Concen: 59.988 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Tgt Ion: 45 Resp: 961447

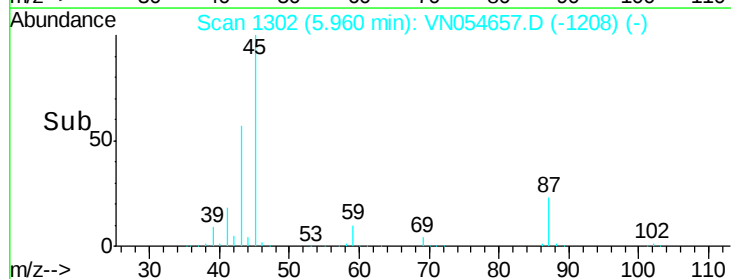
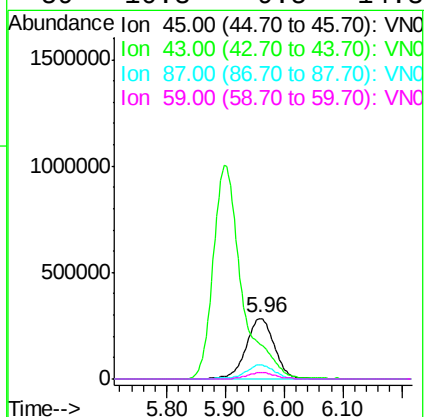
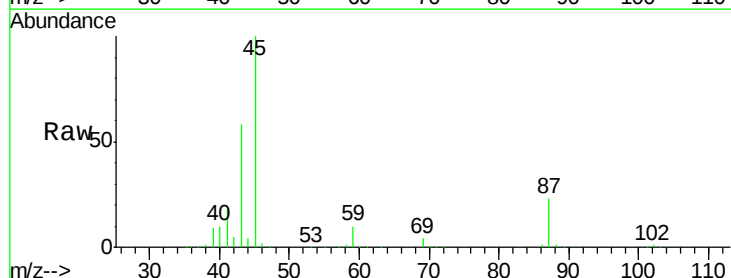
Ion Ratio Lower Upper

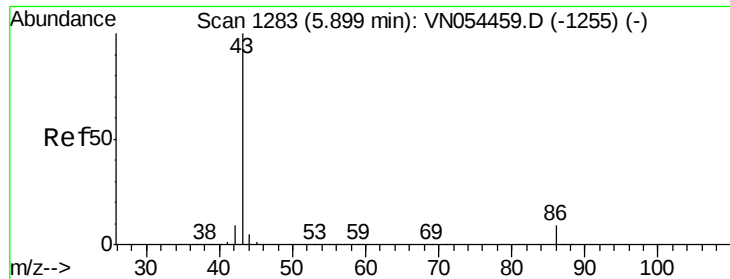
45 100

43 56.6 48.2 72.2

87 23.4 24.9 37.3#

59 10.3 9.5 14.3

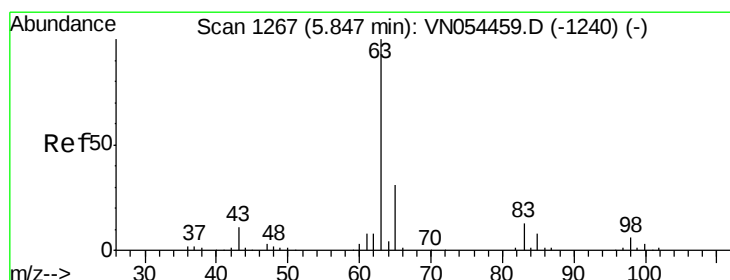
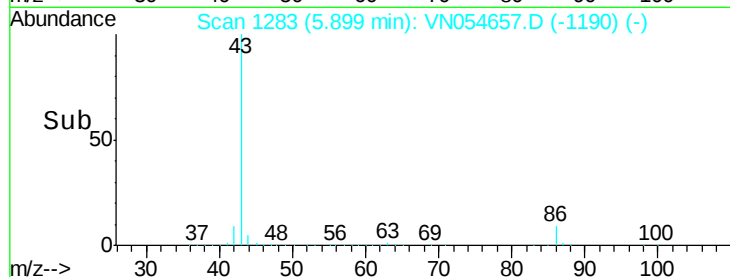
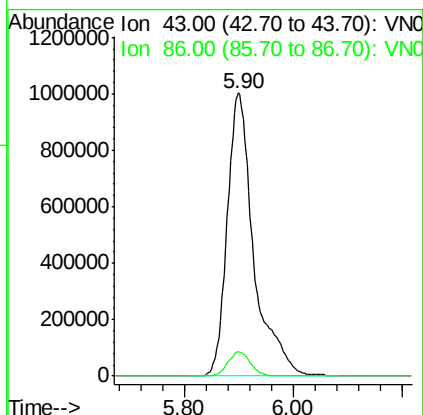
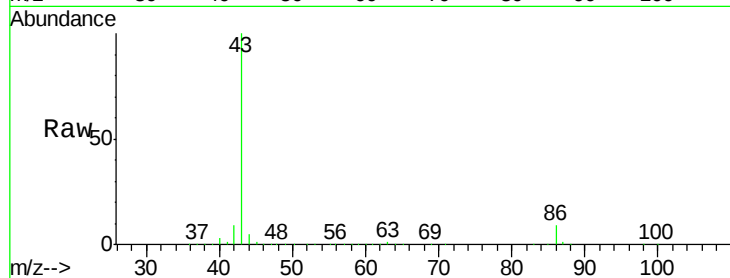




#23
 Vinyl Acetate
 Concen: 299.225 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

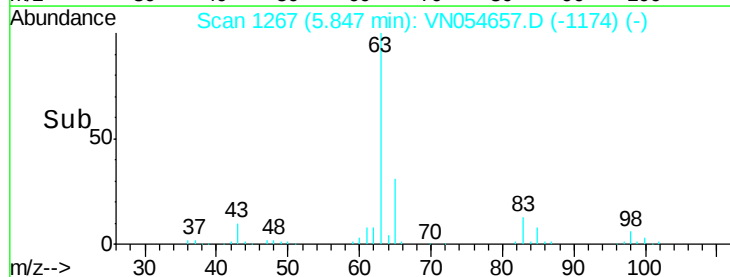
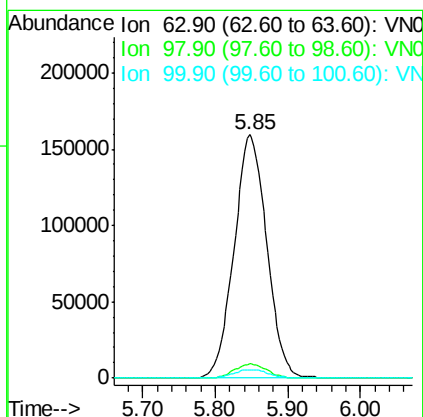
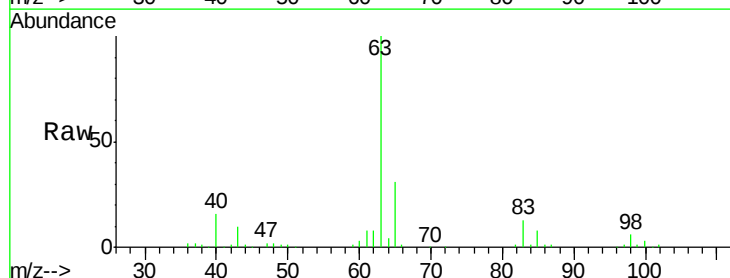
Instrument :
 MSVOA_N
 ClientSampled :

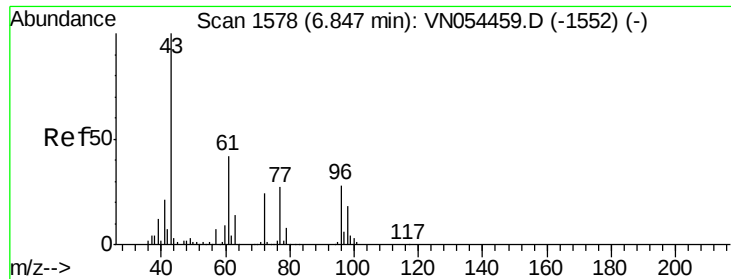
Tot Ion: 43 Resp: 3387117
 Ion Ratio Lower Upper
 43 100
 86 8.6 9.1 13.7#



#24
 1,1-Dichloroethane
 Concen: 57.898 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion: 63 Resp: 499642
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.5 10.5
 100 3.5 2.0 6.0





#25

2-Butanone

Concen: 279.130 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

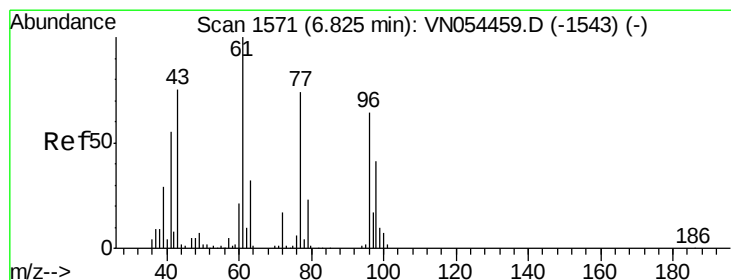
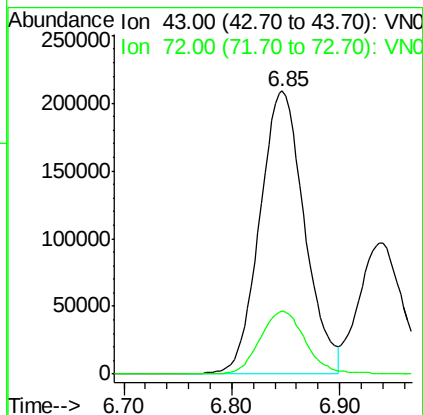
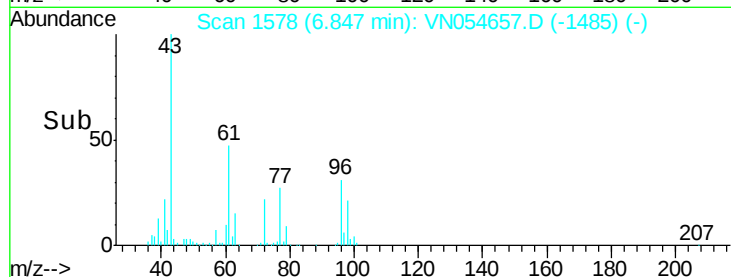
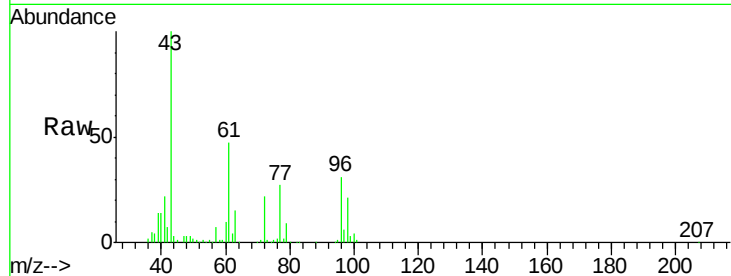
ClientSampleId :

Tot Ion: 43 Resp: 598203

Ion Ratio Lower Upper

43 100

72 22.3 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 48.766 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054657.D

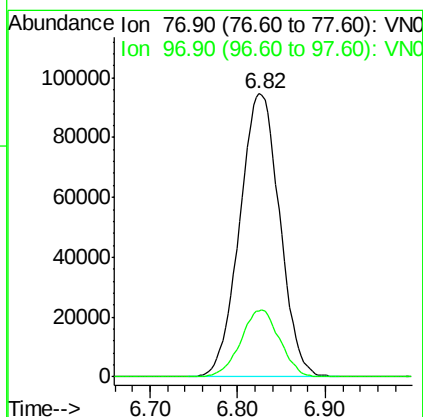
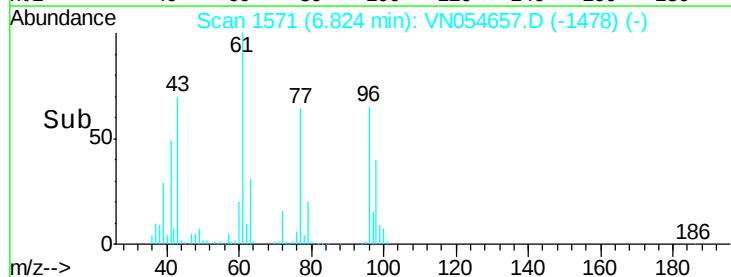
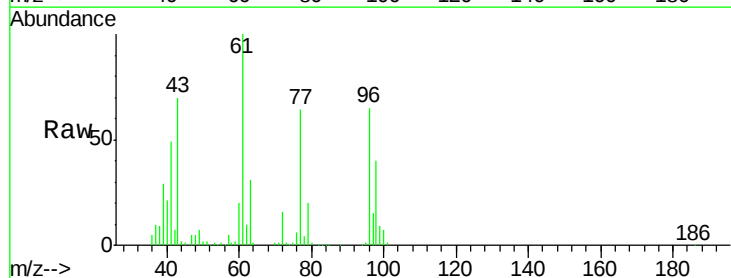
Acq: 24 Mar 2019 19:11

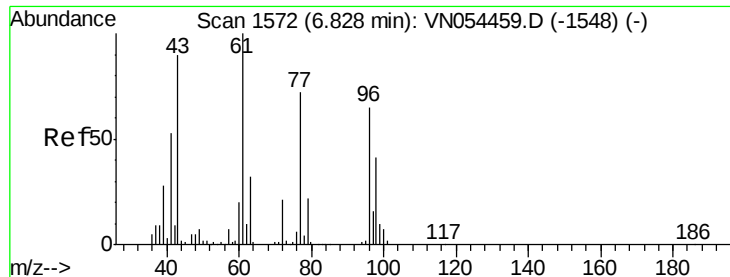
Tgt Ion: 77 Resp: 299991

Ion Ratio Lower Upper

77 100

97 22.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 54.539 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :

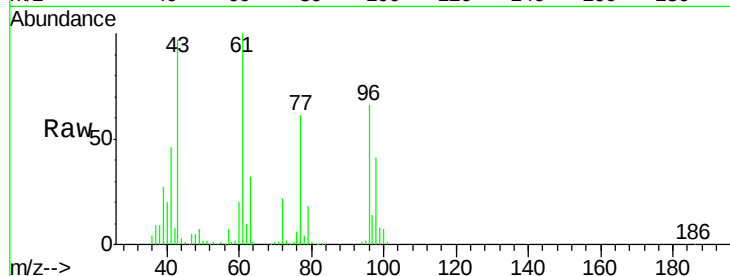
Tot Ion: 96 Resp: 286632

Ion Ratio Lower Upper

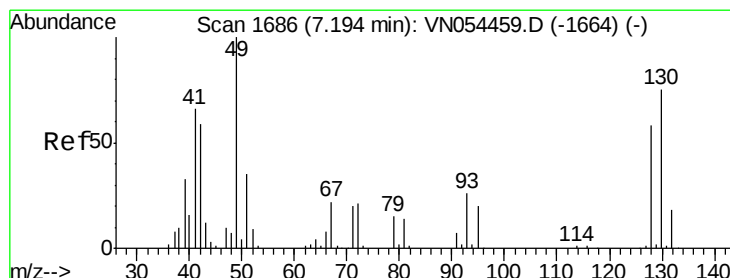
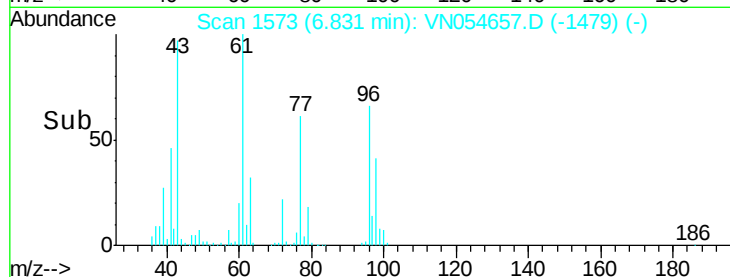
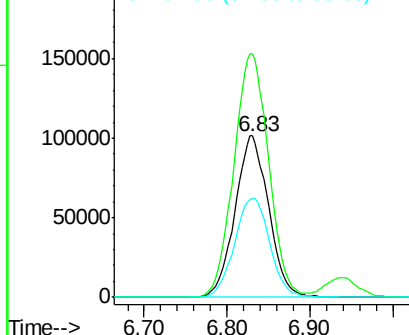
96 100

61 155.8 0.0 273.0

98 64.1 0.0 130.6



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: 55.851 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

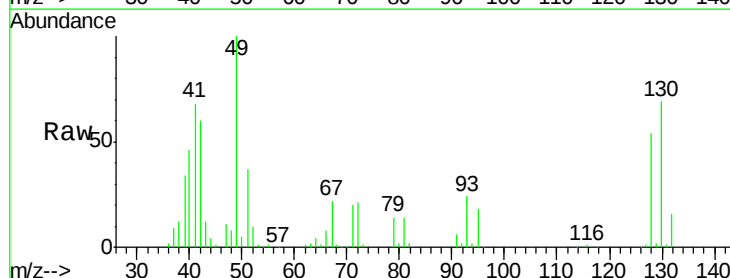
Tgt Ion: 49 Resp: 237239

Ion Ratio Lower Upper

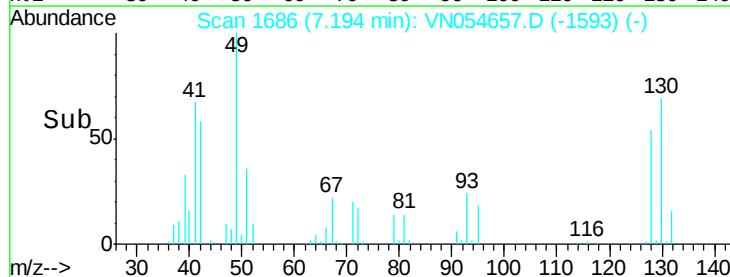
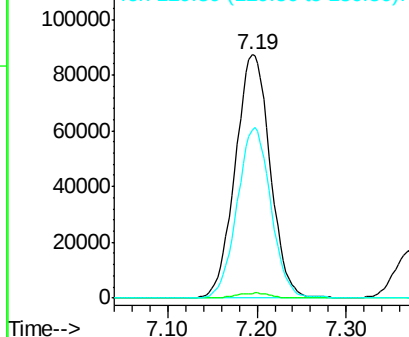
49 100

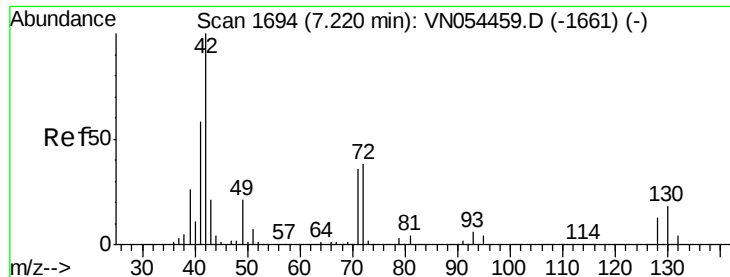
129 0.9 0.0 4.6

130 67.6 76.7 115.1#



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

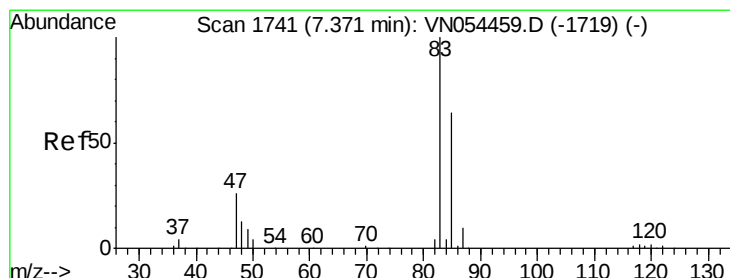
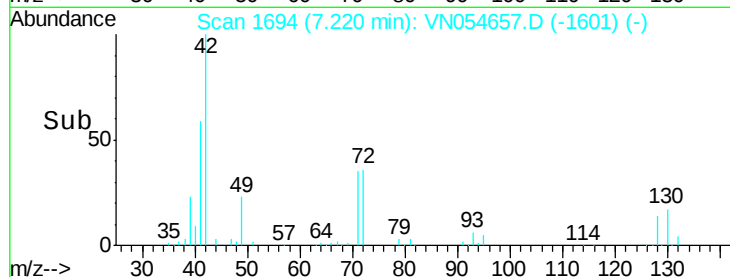
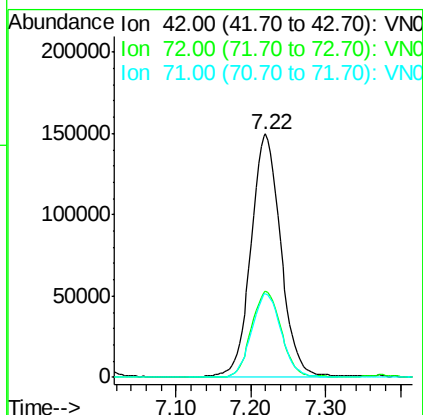
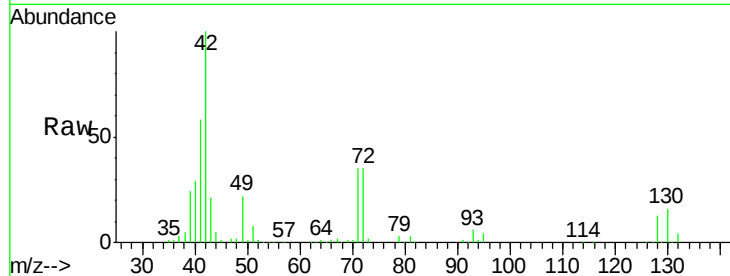




#29
Tetrahydrofuran
Concen: 297.227 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

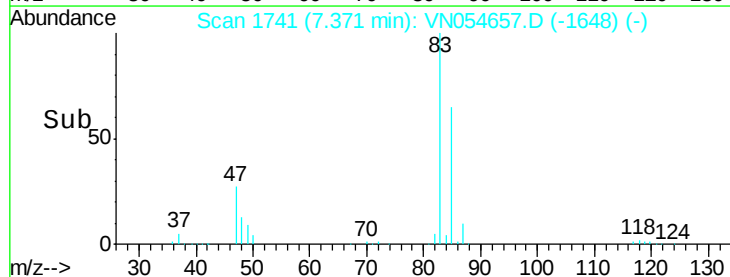
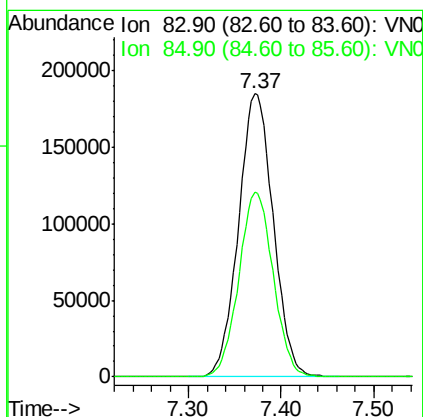
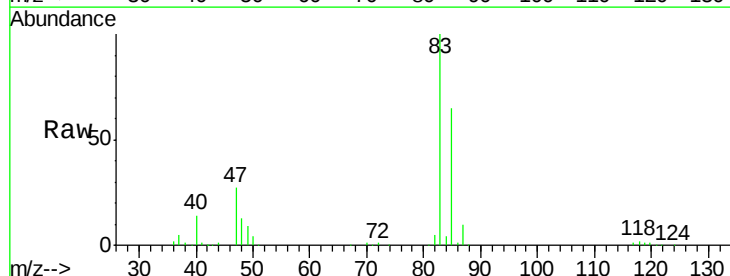
Instrument :
MSVOA_N
ClientSampled :

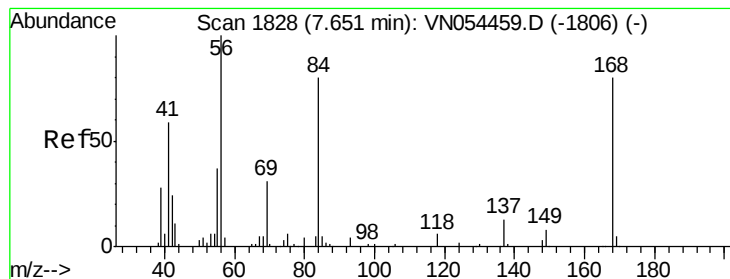
Tot Ion: 42 Resp: 413362
Ion Ratio Lower Upper
42 100
72 35.8 37.8 56.6#
71 34.4 36.2 54.2#



#30
Chloroform
Concen: 57.110 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion: 83 Resp: 480970
Ion Ratio Lower Upper
83 100
85 65.3 52.2 78.4





#31

Cyclohexane

Concen: 56.806 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampled :

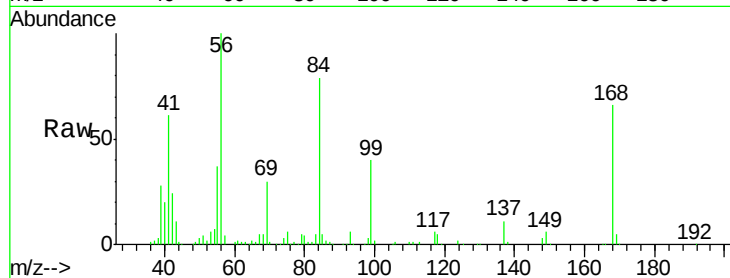
Tot Ion: 56 Resp: 467638

Ion Ratio Lower Upper

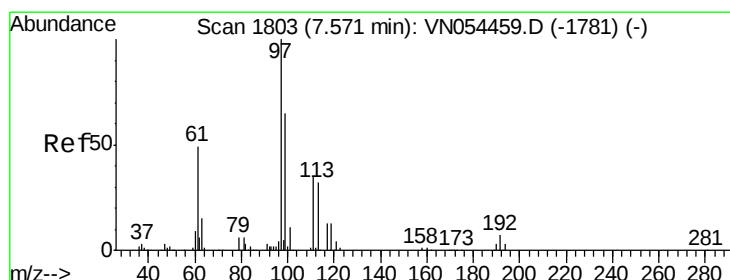
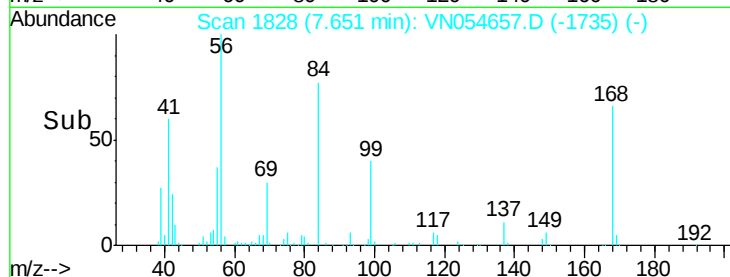
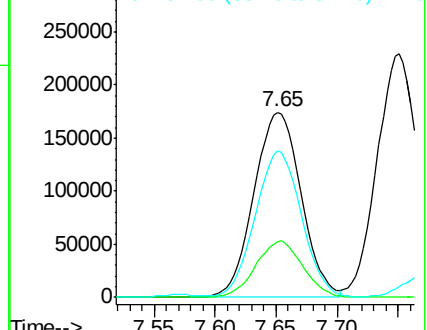
56 100

69 30.0 27.8 41.6

84 78.2 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 56.293 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

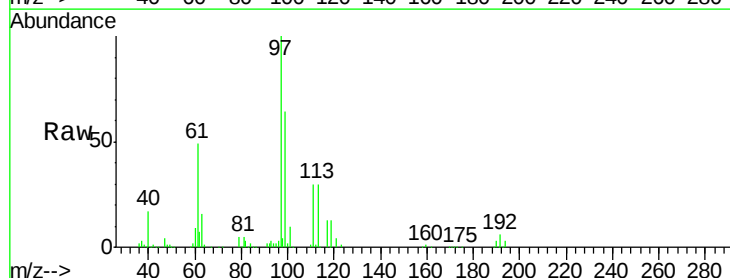
Tgt Ion: 97 Resp: 391126

Ion Ratio Lower Upper

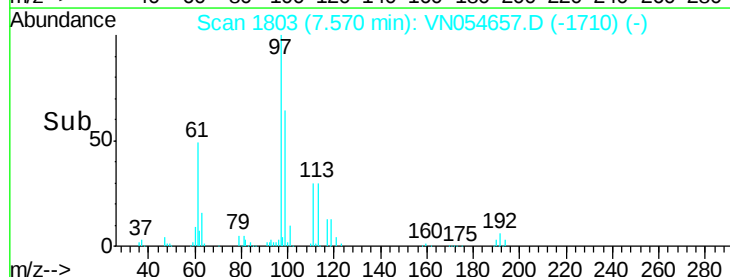
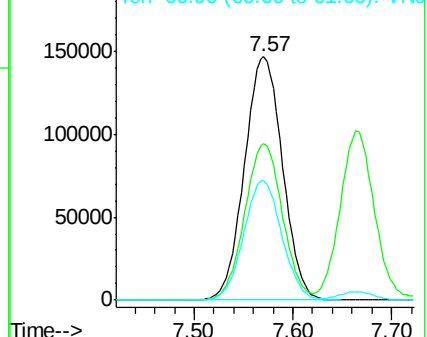
97 100

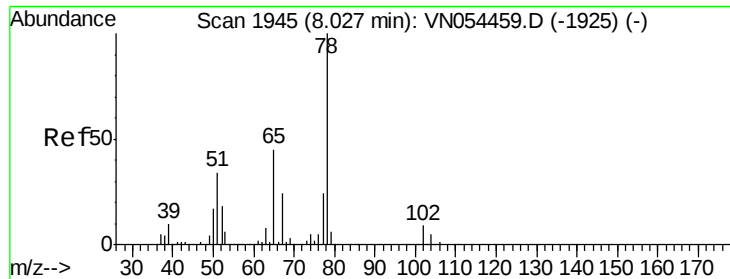
99 64.0 51.5 77.3

61 49.3 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

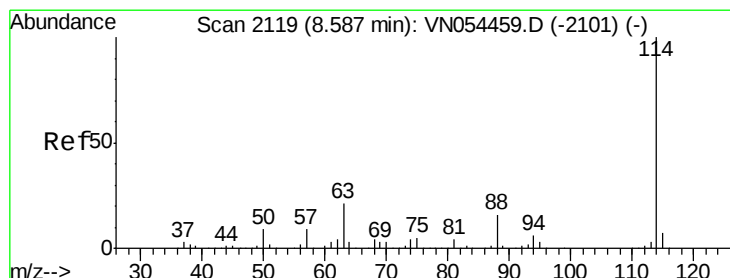
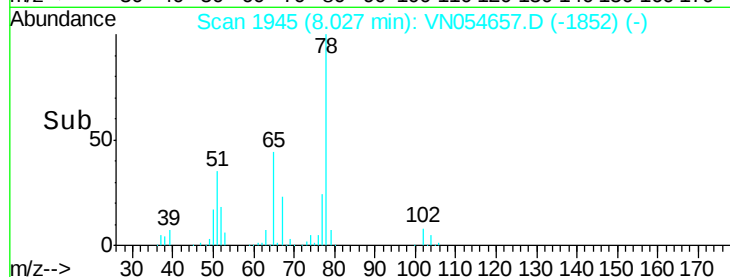
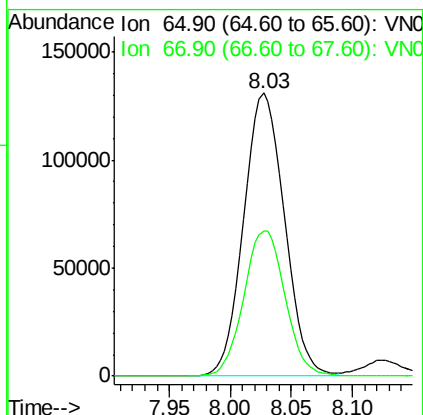
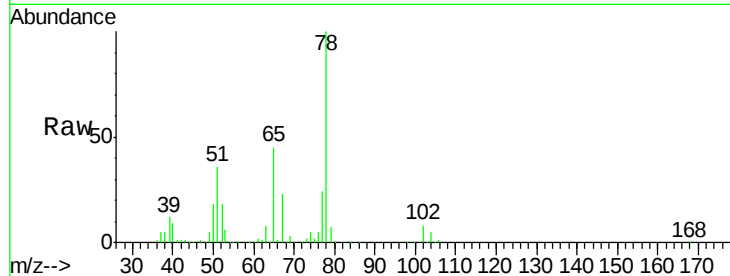




#33
 1,2-Dichloroethane-d4
 Concen: 54.563 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

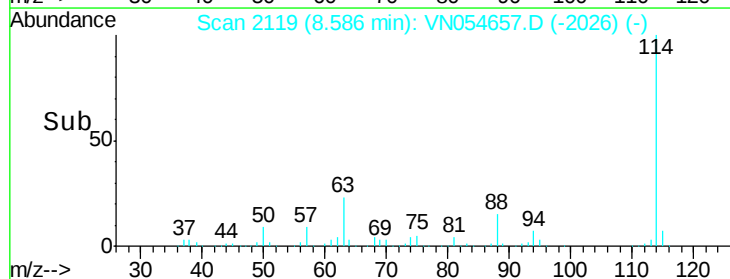
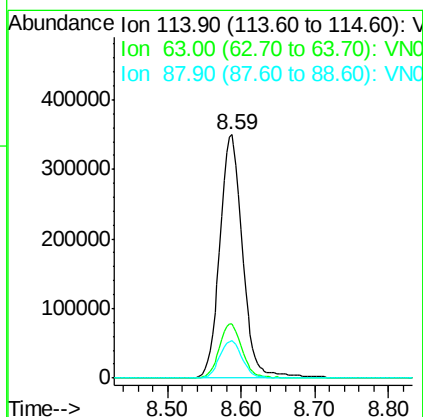
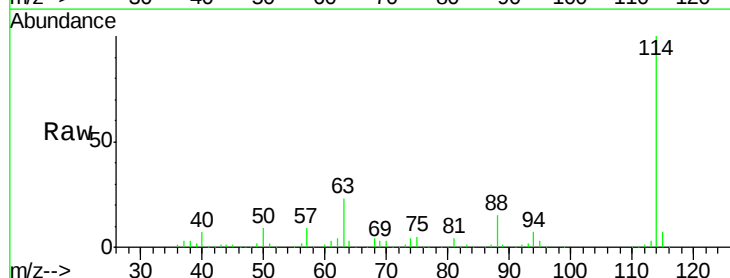
Instrument :
 MSVOA_N
 ClientSampled :

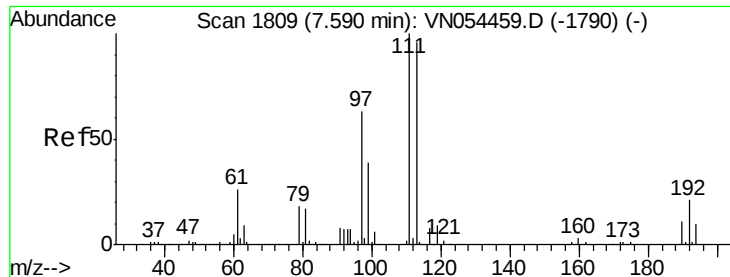
Tot Ion: 65 Resp: 303622
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion: 114 Resp: 754420
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 35.2
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.108 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampled :

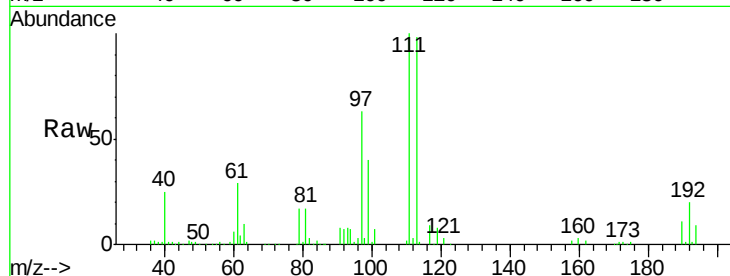
Tot Ion:113 Resp: 243543

Ion Ratio Lower Upper

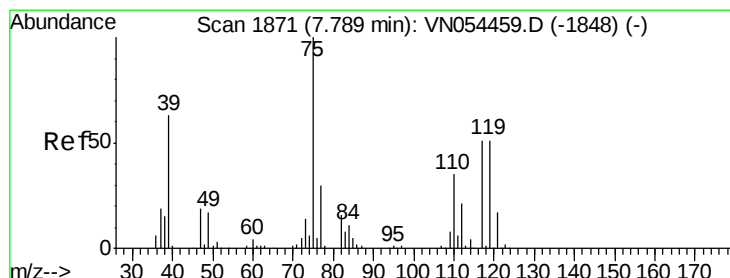
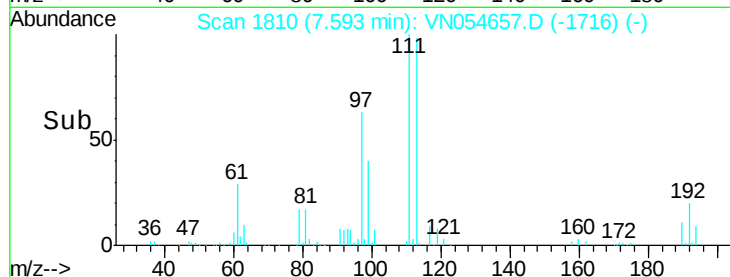
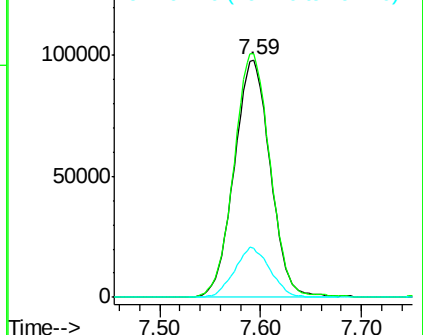
113 100

111 103.5 82.2 123.4

192 20.8 19.2 28.8



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



#36

1,1-Dichloropropene

Concen: 50.246 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

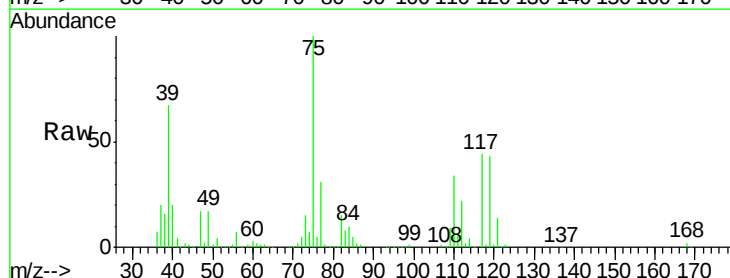
Tgt Ion: 75 Resp: 354431

Ion Ratio Lower Upper

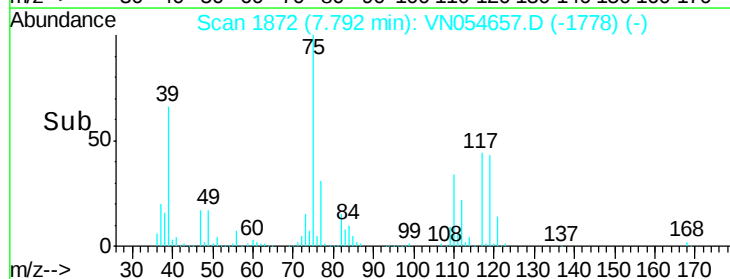
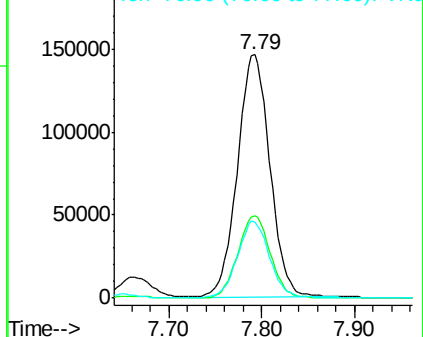
75 100

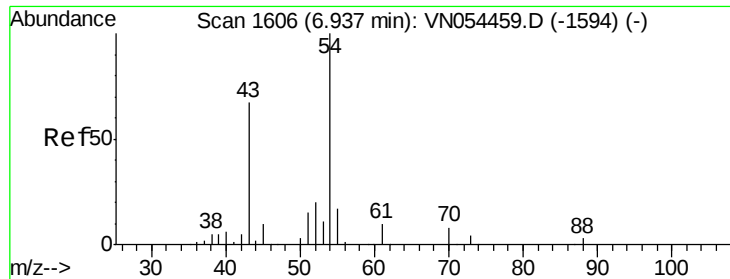
110 34.2 19.1 57.5

77 31.6 25.0 37.4



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

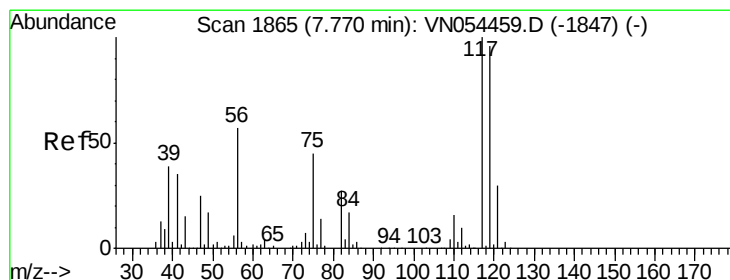
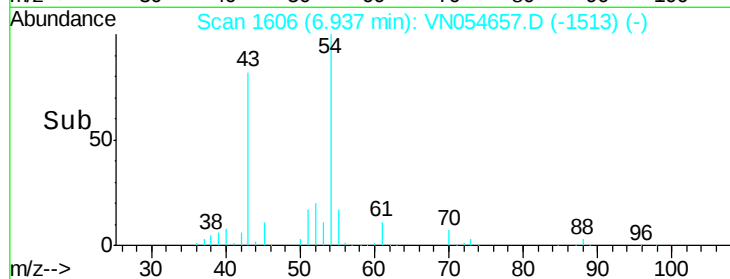
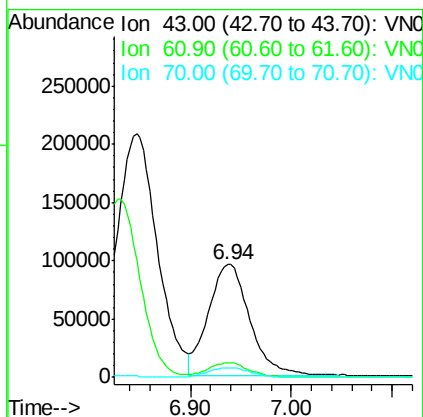
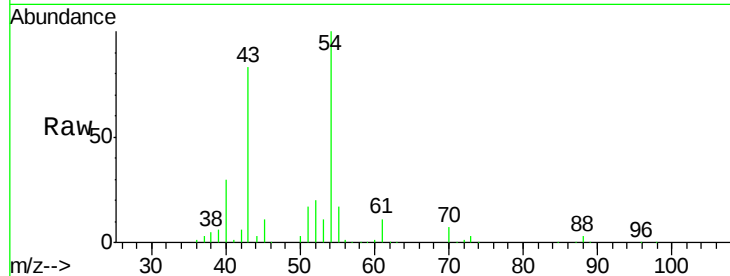




#37
Ethyl Acetate
Concen: 54.548 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

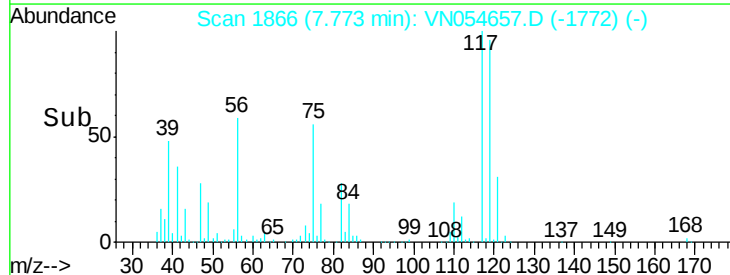
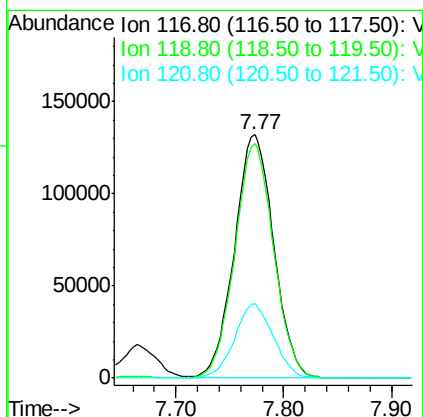
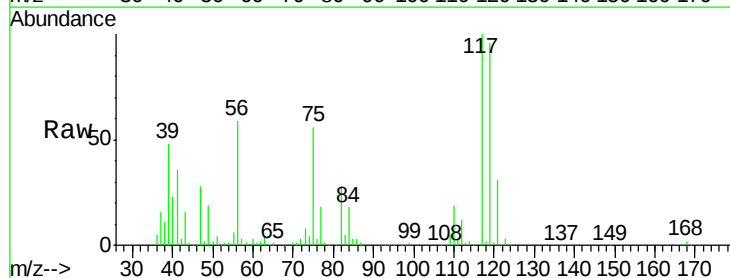
Instrument :
MSVOA_N
ClientSampled :

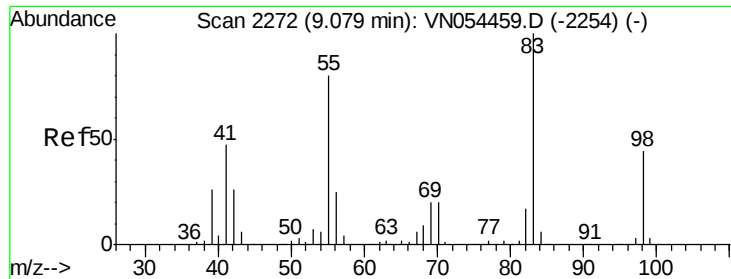
Tot Ion: 43 Resp: 273668
Ion Ratio Lower Upper
43 100
61 12.5 11.8 17.6
70 9.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 48.591 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion: 117 Resp: 333083
Ion Ratio Lower Upper
117 100
119 96.2 76.3 114.5
121 30.7 24.6 36.8

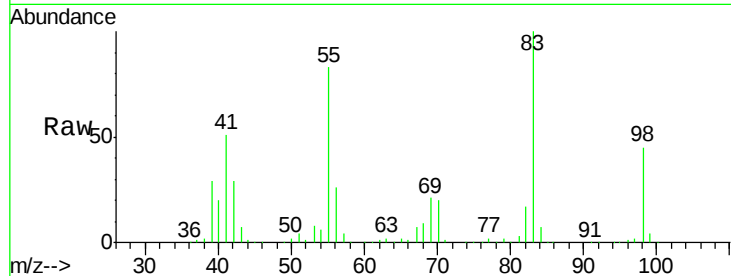




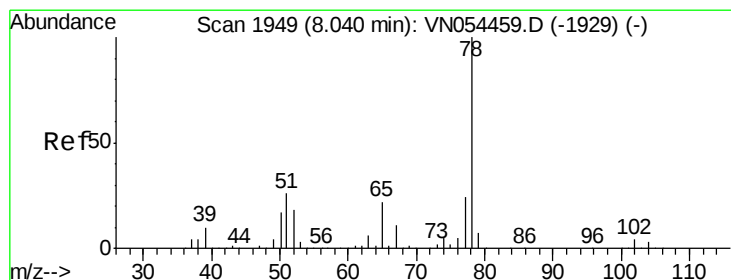
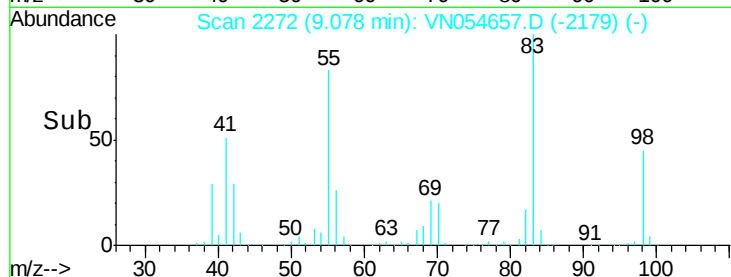
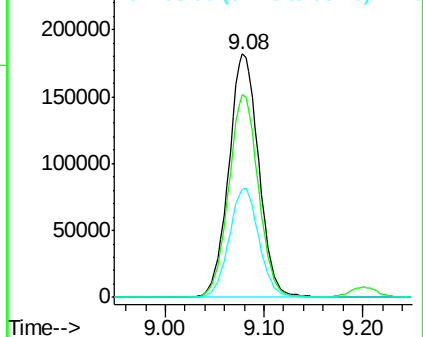
#39
Methvlcvclohexane
Concen: 47.643 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 384429
Ion Ratio Lower Upper
83 100
55 83.1 56.6 84.8
98 44.5 38.4 57.6

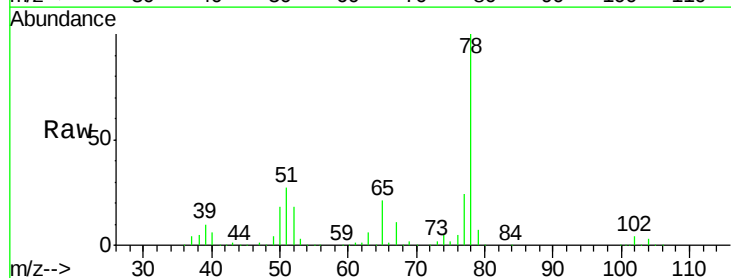


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

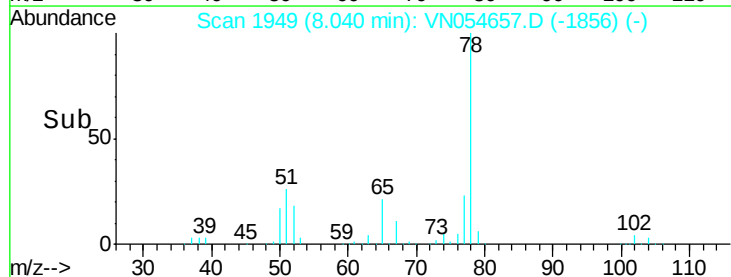
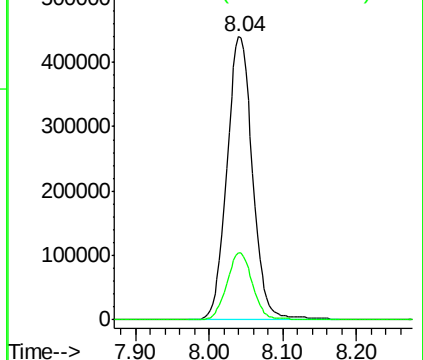


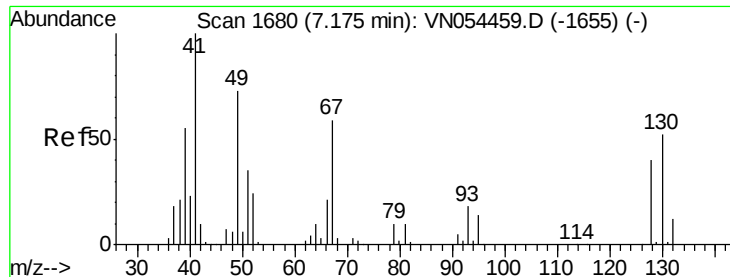
#40
Benzene
Concen: 52.678 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion: 78 Resp: 1062573
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

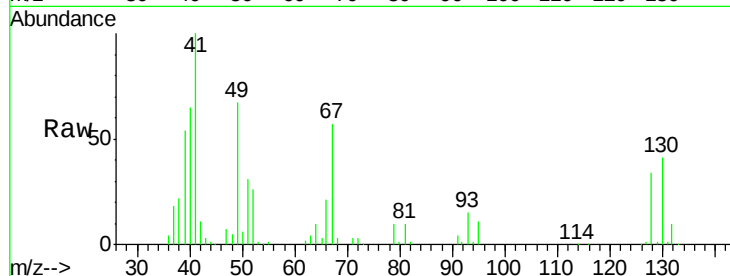




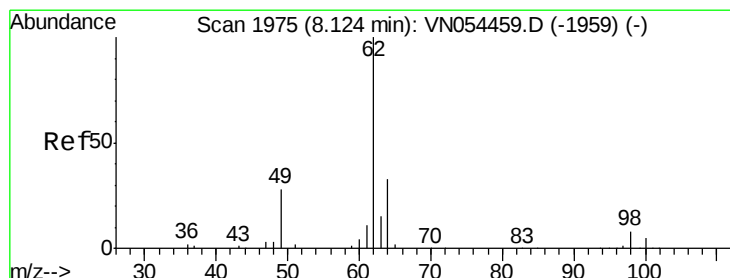
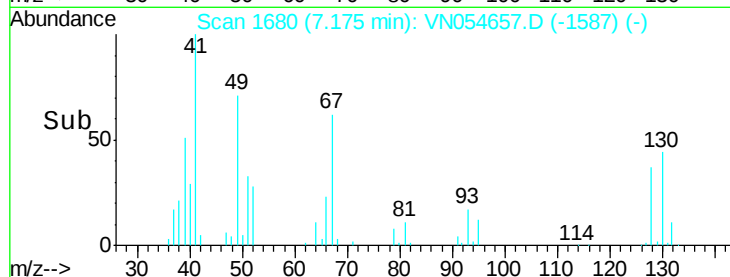
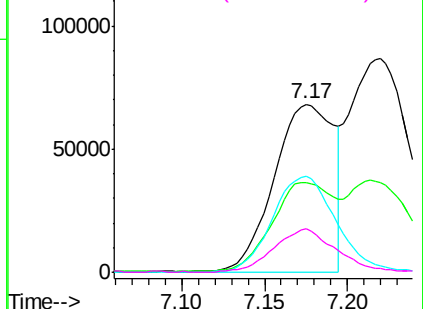
#41
Methacrylonitrile
Concen: 55.522 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 169875
Ion Ratio Lower Upper
41 100
39 53.8 46.8 70.2
67 62.4 67.0 100.4#
52 26.7 26.5 39.7

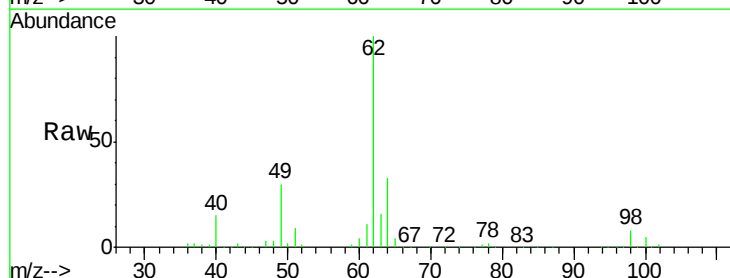


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

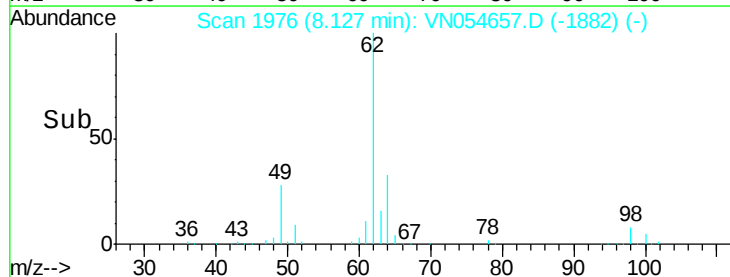
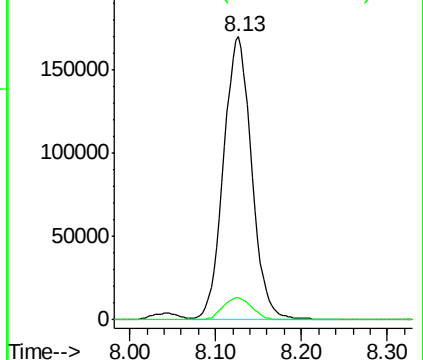


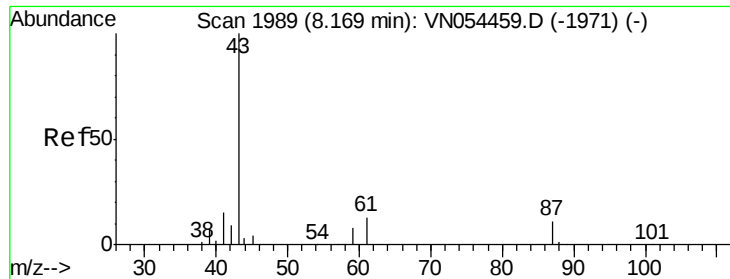
#42
1,2-Dichloroethane
Concen: 52.578 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion: 62 Resp: 386227
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 55.705 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampled :

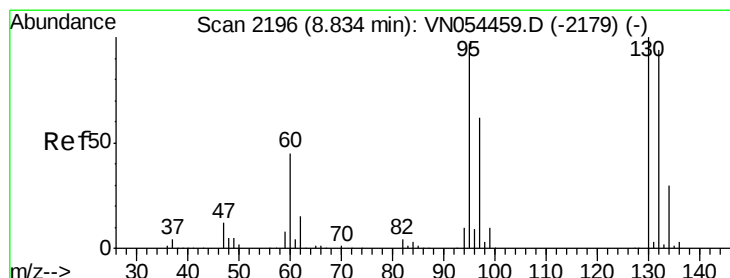
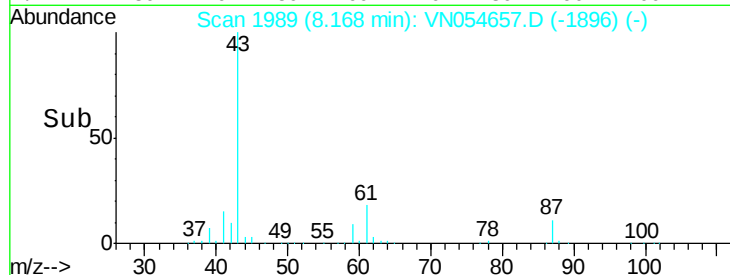
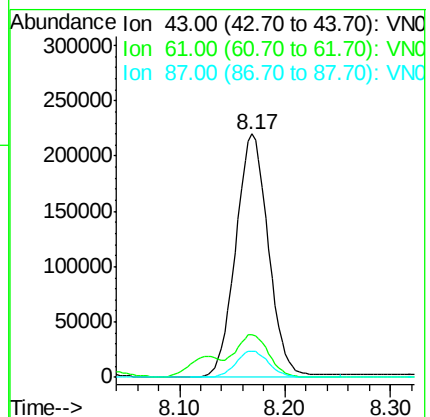
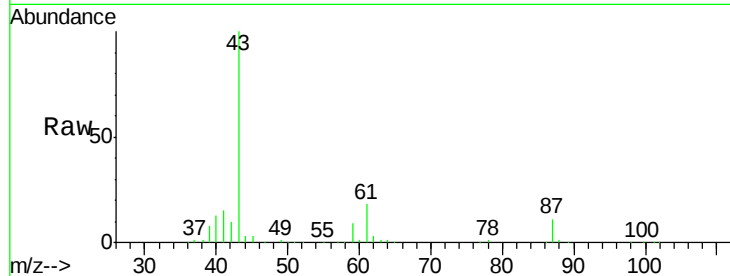
Tot Ion: 43 Resp: 471986

Ion Ratio Lower Upper

43 100

61 17.5 15.8 23.8

87 11.0 12.0 18.0#



#44

Trichloroethene

Concen: 49.257 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054657.D

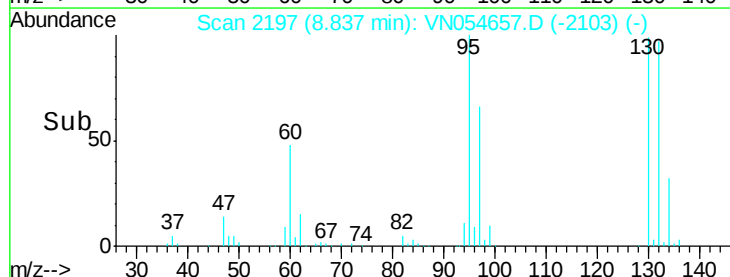
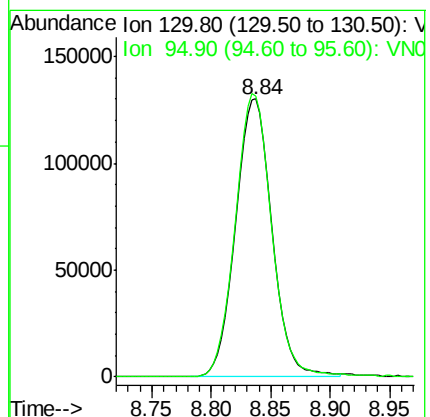
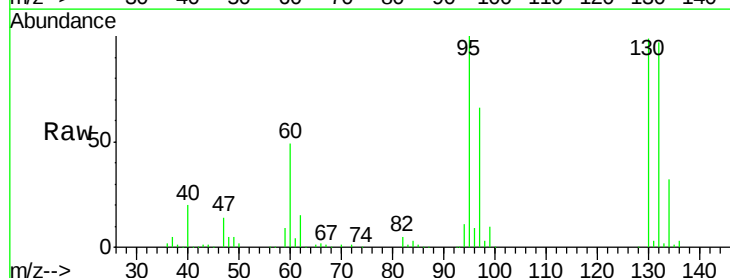
Acq: 24 Mar 2019 19:11

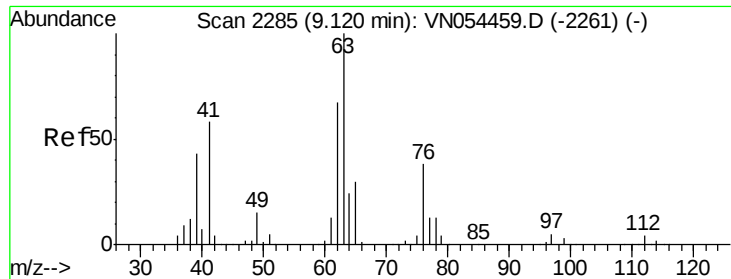
Tgt Ion: 130 Resp: 276228

Ion Ratio Lower Upper

130 100

95 101.1 0.0 185.2





#45

1,2-Dichloropropane

Concen: 55.168 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

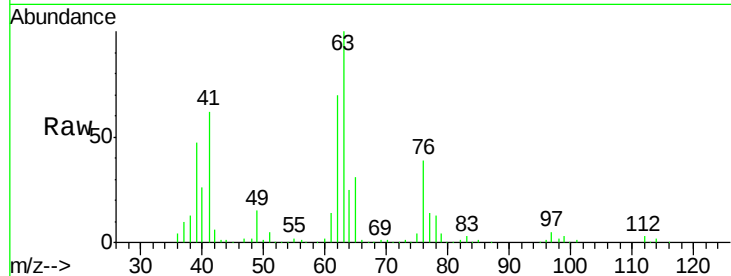
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 298807

Ion Ratio Lower Upper

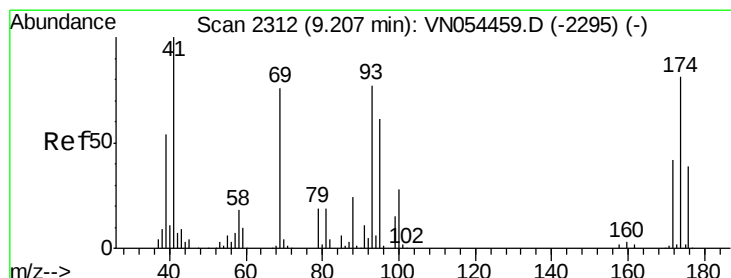
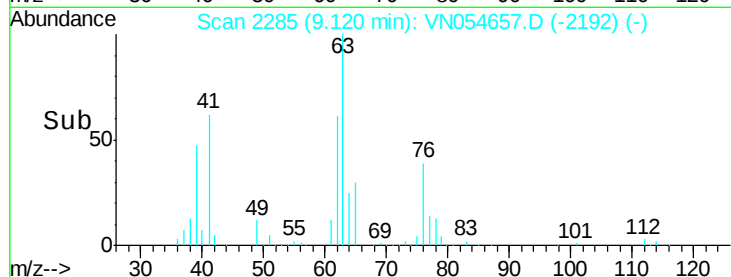
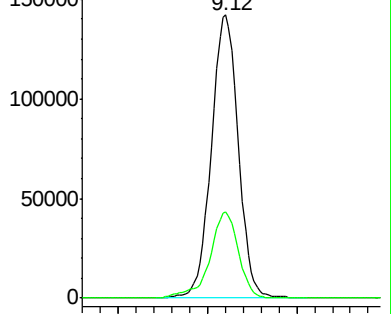
63 100

65 30.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.309 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

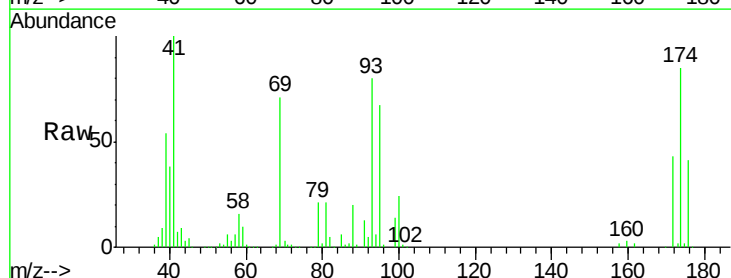
Tgt Ion: 93 Resp: 169022

Ion Ratio Lower Upper

93 100

95 84.4 66.7 100.1

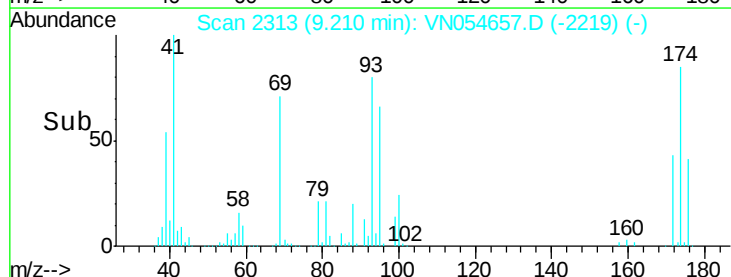
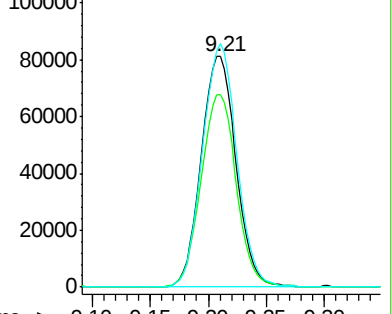
174 104.1 98.5 147.7



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

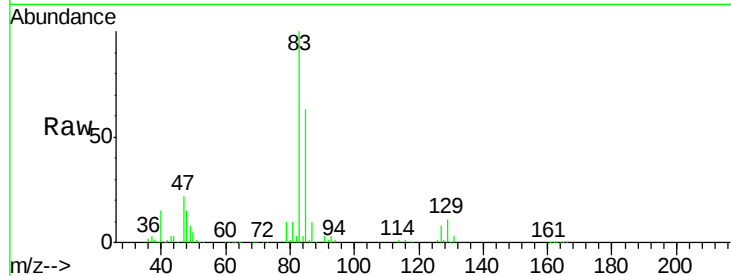




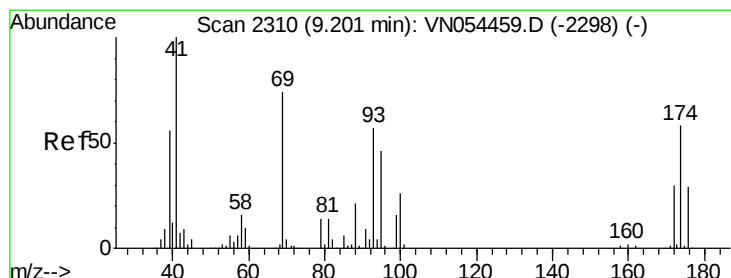
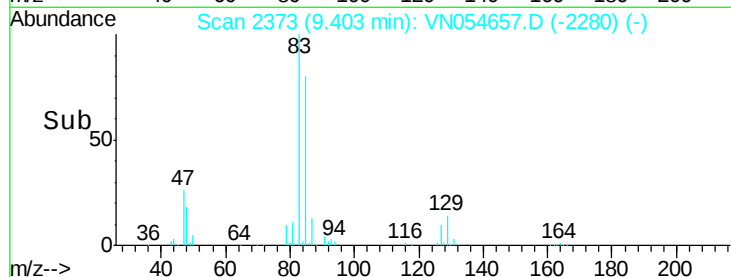
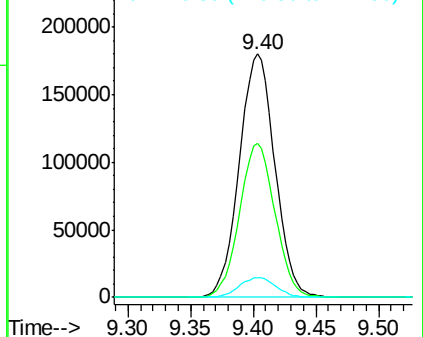
#47
Bromodichloromethane
Concen: 53.059 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	83	Resp	355816
Ion Ratio	100		
85	63.4	52.8	79.2
127	8.2	7.4	11.2

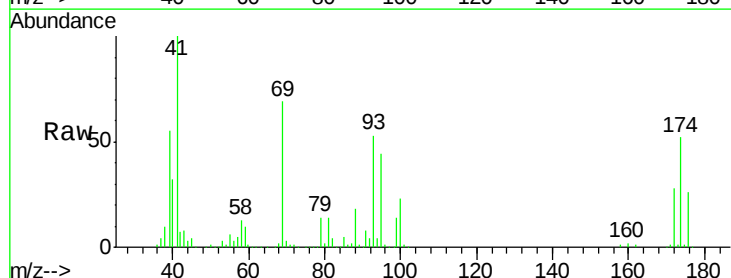


Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-2356) (-)

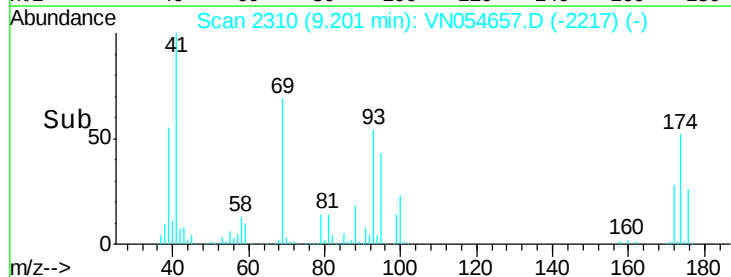
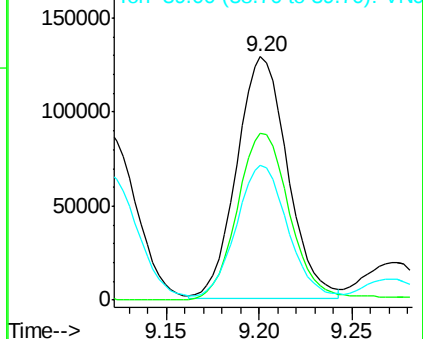


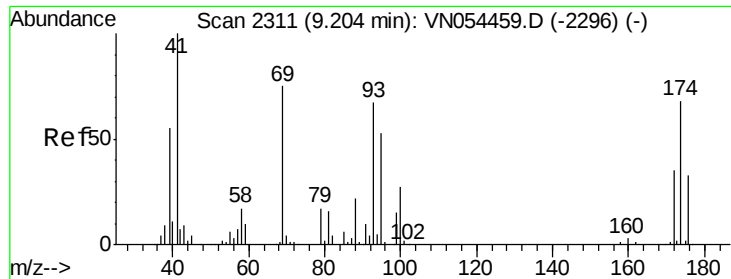
#48
Methyl methacrylate
Concen: 53.652 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion	41	Resp	246736
Ion Ratio	100		
69	71.6	72.6	108.8#
39	55.7	47.5	71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054459.D (-2298) (-)

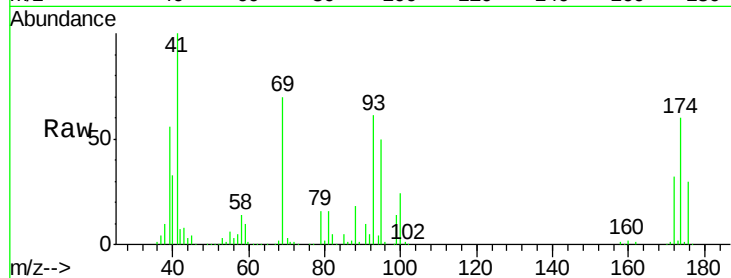




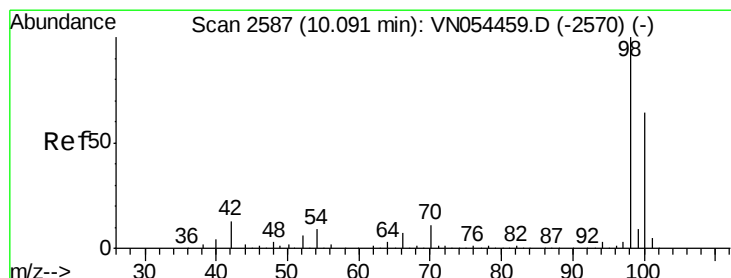
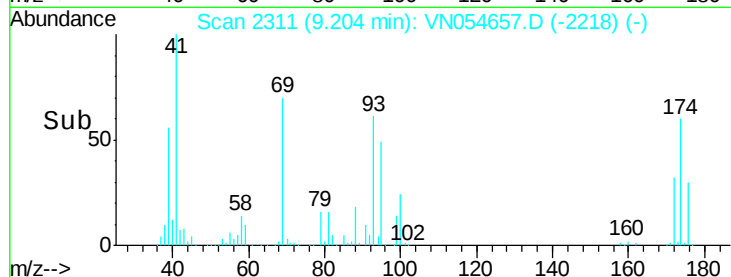
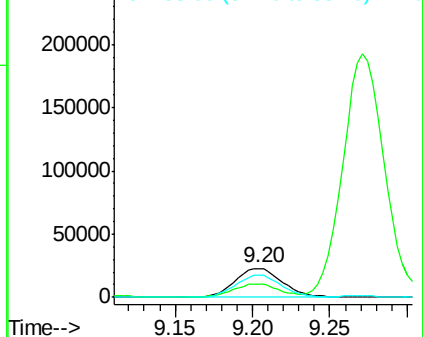
#49
1,4-Dioxane
Concen: 934.025 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 48020
Ion Ratio Lower Upper
88 100
43 42.2 24.1 36.1#
58 75.8 50.8 76.2

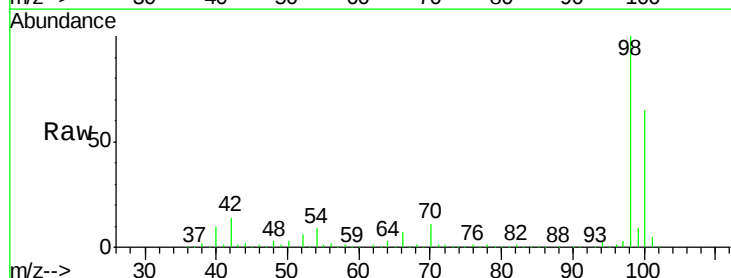


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

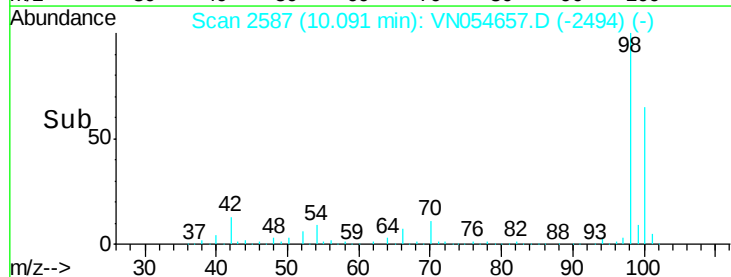
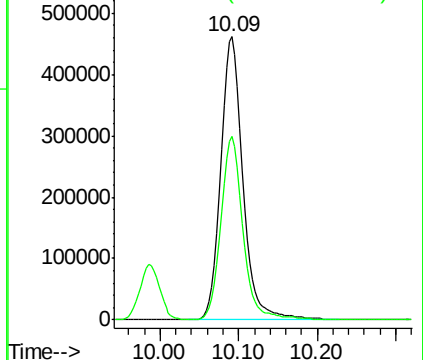


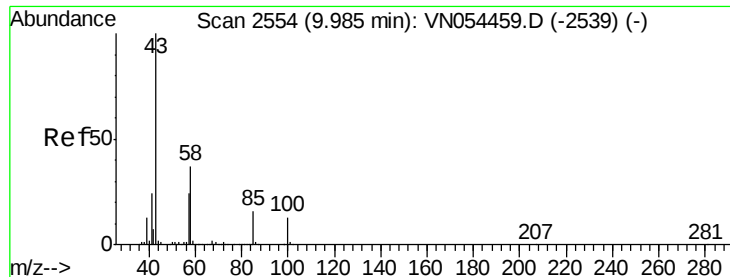
#50
Toluene-d8
Concen: 49.135 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion: 98 Resp: 897789
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 280.717 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

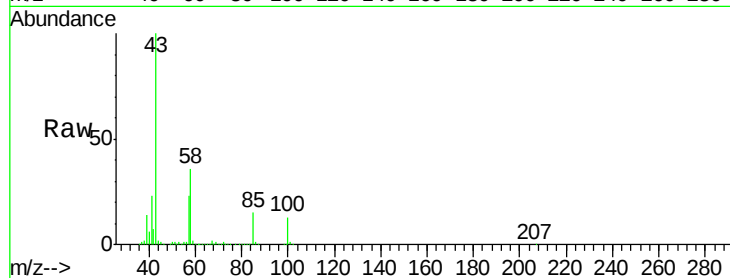
ClientSampled :

Tot Ion: 43 Resp: 1318175

Ion Ratio Lower Upper

43 100

58 35.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

800000

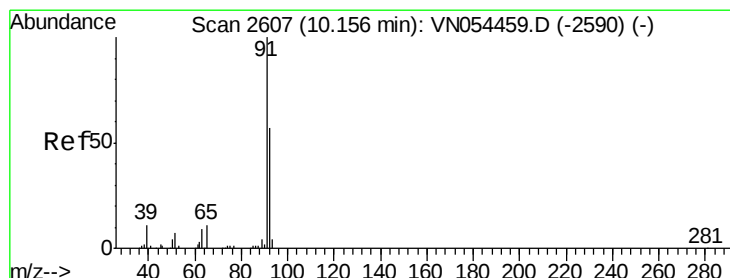
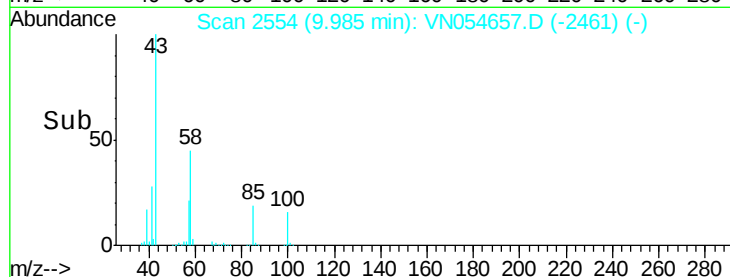
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.797 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054657.D

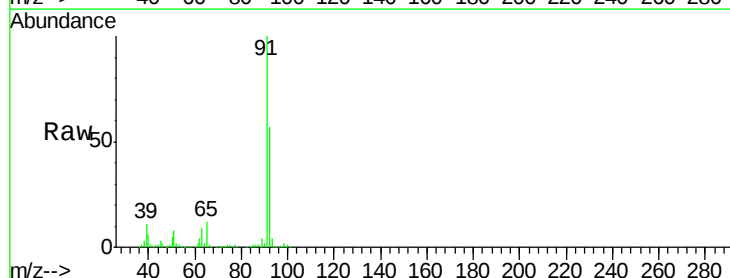
Acq: 24 Mar 2019 19:11

Tgt Ion: 92 Resp: 642605

Ion Ratio Lower Upper

92 100

91 172.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

600000

500000

400000

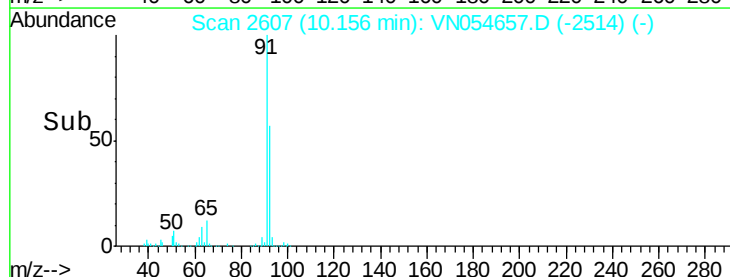
300000

200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.560 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

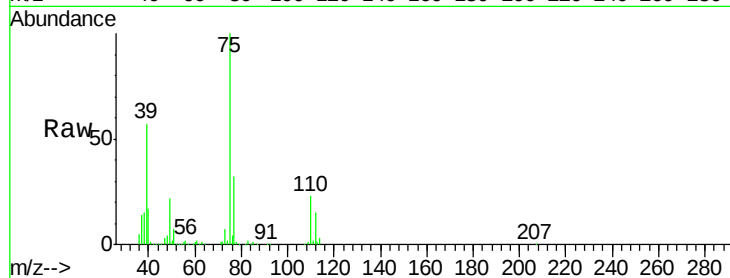
ClientSampleId :

Tot Ion: 75 Resp: 335635

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

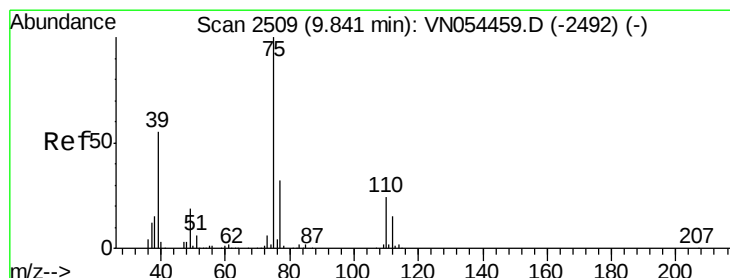
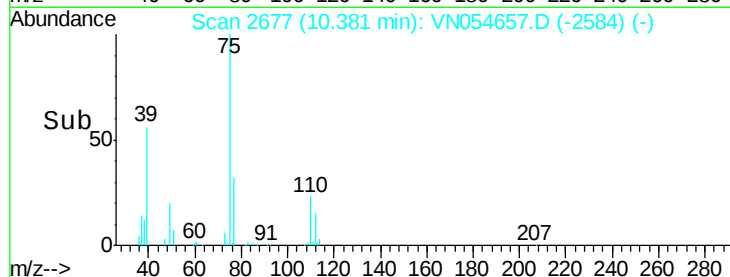
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.634 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

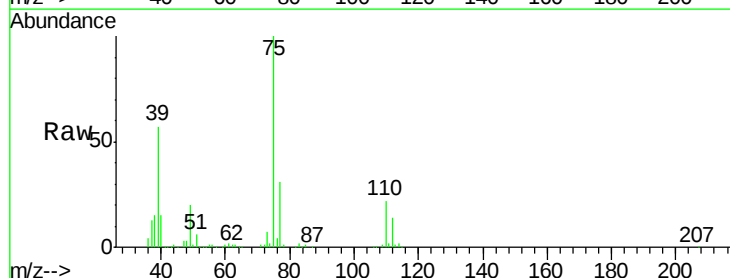
Tgt Ion: 75 Resp: 412401

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

39 56.4 37.2 55.8#



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

250000

200000

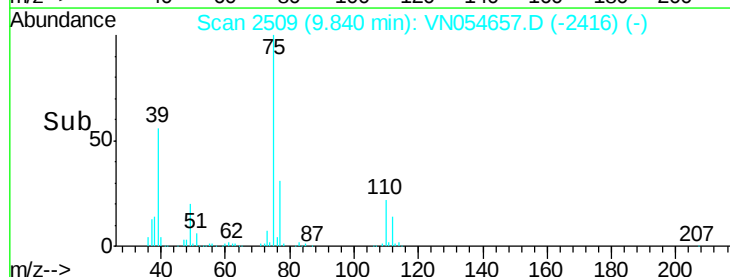
150000

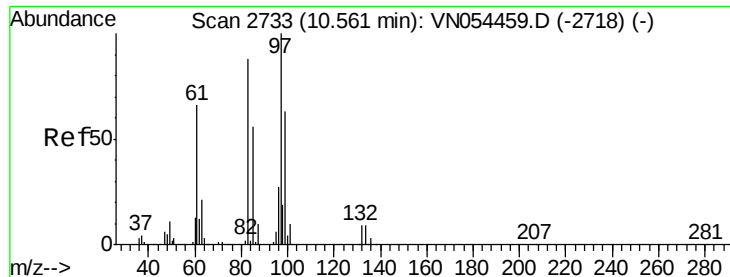
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.391 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 233641

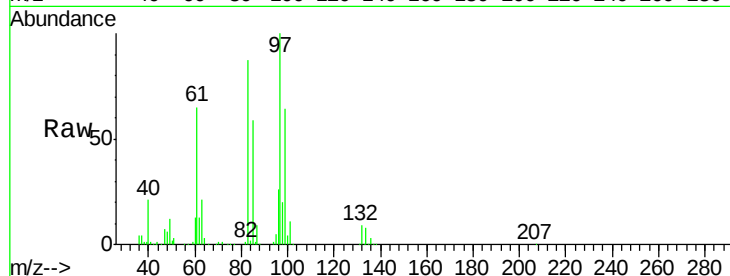
Ion	Ratio	Lower	Upper
97	100		
83	87.4	66.6	100.0
85	58.6	44.4	66.6
99	63.6	50.8	76.2

97 100

83 87.4 66.6 100.0

85 58.6 44.4 66.6

99 63.6 50.8 76.2



Abundance Ion 96.90 (96.60 to 97.60): VN0

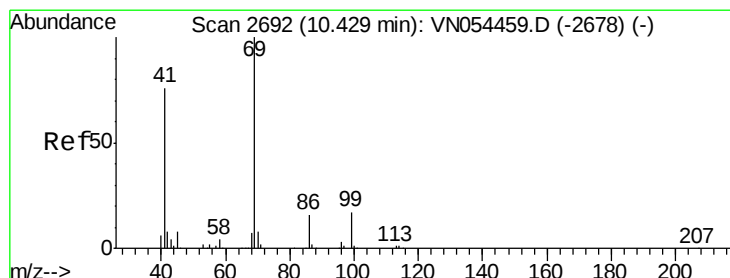
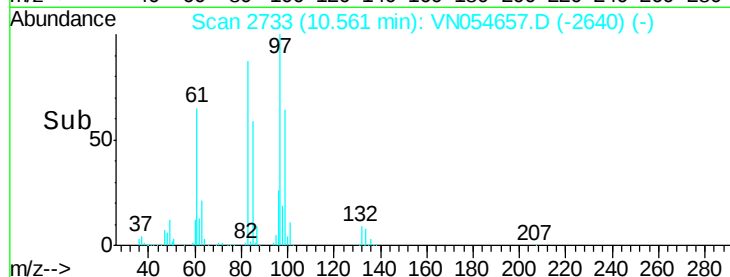
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.56

Time-->



#56

Ethyl methacrylate

Concen: 54.647 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

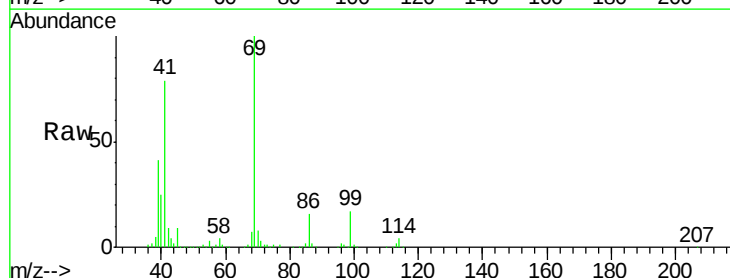
Tgt Ion: 69 Resp: 327094

Ion	Ratio	Lower	Upper
69	100		
41	77.2	49.4	74.2#
39	41.3	28.3	42.5

69 100

41 77.2 49.4 74.2#

39 41.3 28.3 42.5



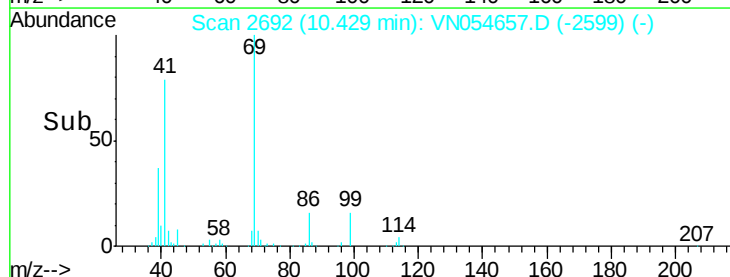
Abundance Ion 69.00 (68.70 to 69.70): VN0

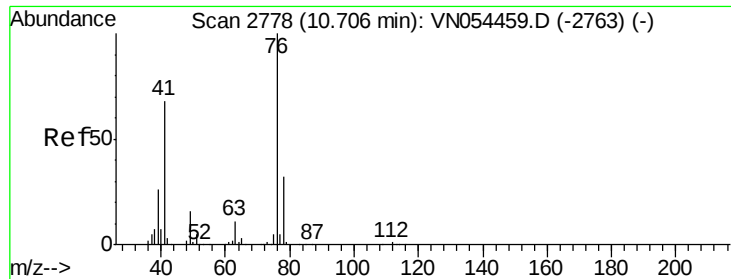
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.43

Time-->

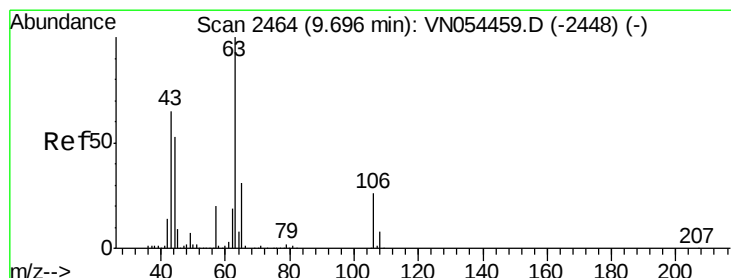
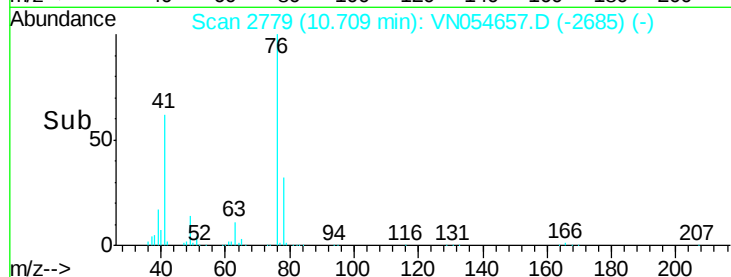
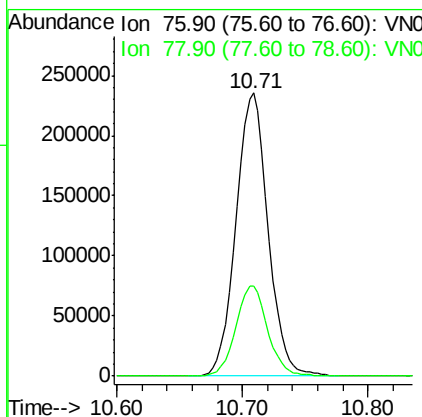
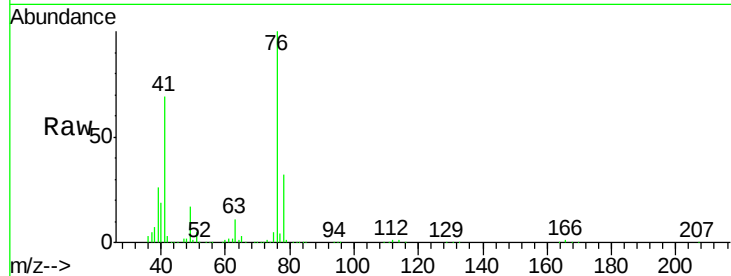




#57
 1,3-Dichloropropane
 Concen: 53.892 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

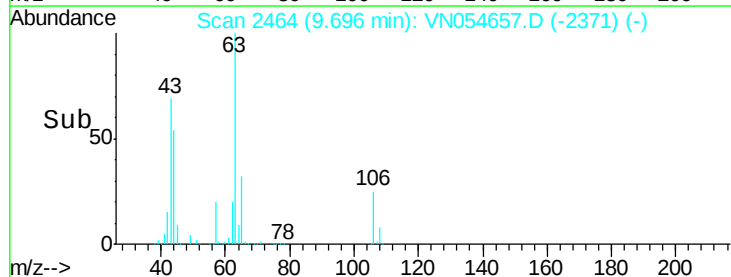
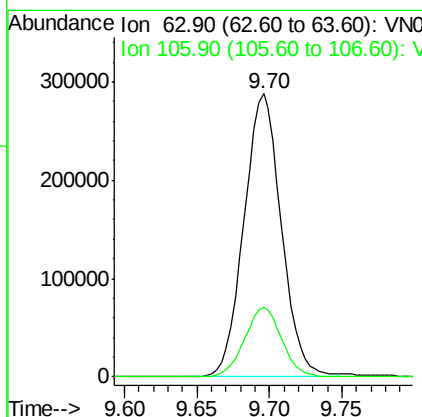
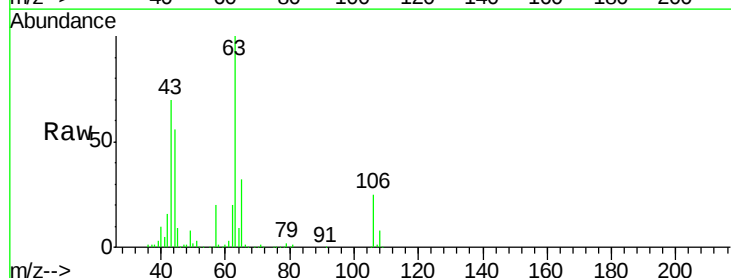
Instrument :
 MSVOA_N
 ClientSampled :

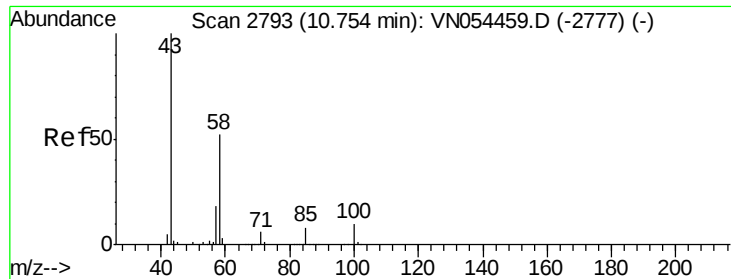
Tot Ion: 76 Resp: 417773
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 209.649 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion: 63 Resp: 516729
 Ion Ratio Lower Upper
 63 100
 106 24.5 24.4 36.6

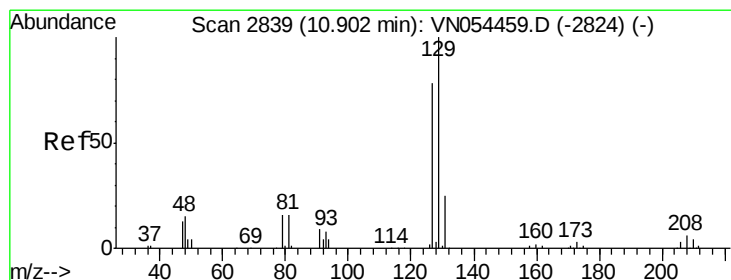
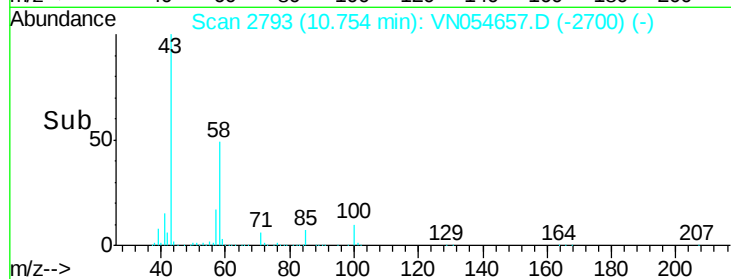
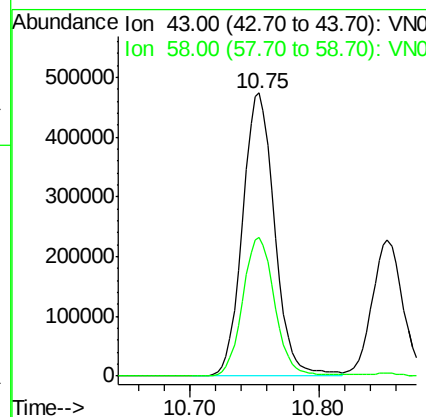
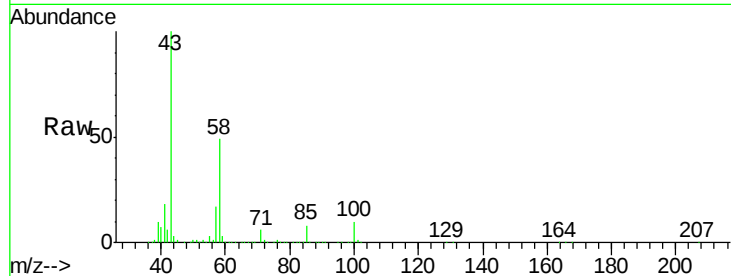




#59
2-Hexanone
Concen: 266.930 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

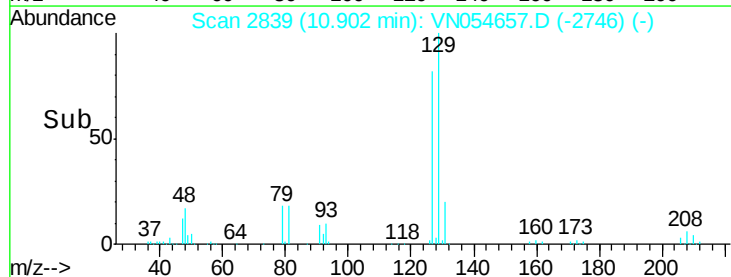
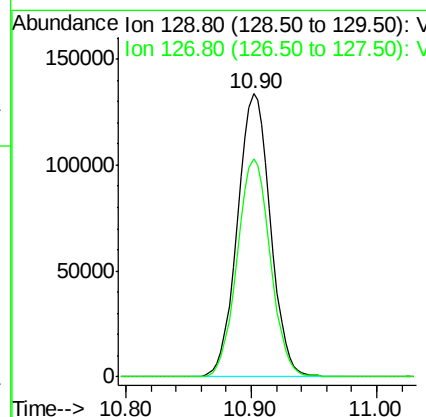
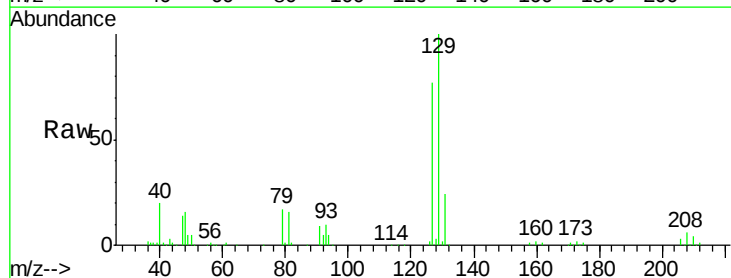
Instrument :
MSVOA_N
ClientSampled :

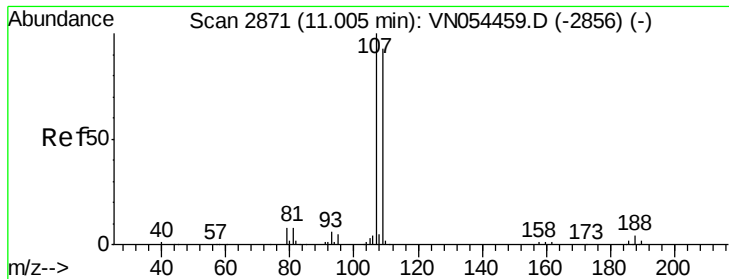
Tot Ion: 43 Resp: 818728
Ion Ratio Lower Upper
43 100
58 49.4 28.0 83.9



#60
Dibromochloromethane
Concen: 51.471 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion: 129 Resp: 244248
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8

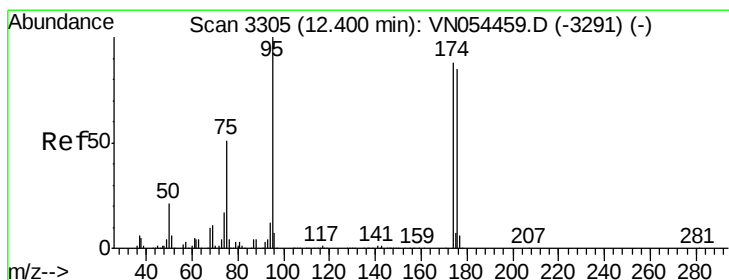
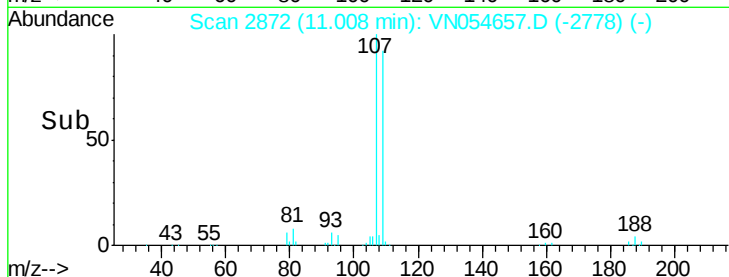
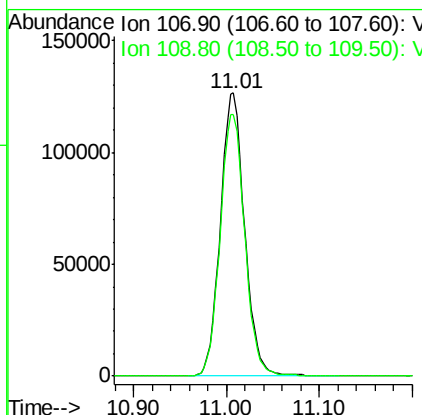
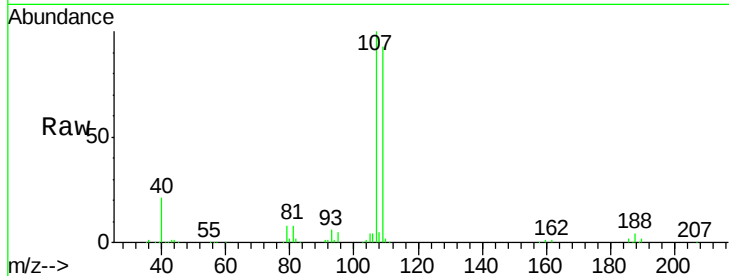




#61
 1,2-Dibromoethane
 Concen: 52.066 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

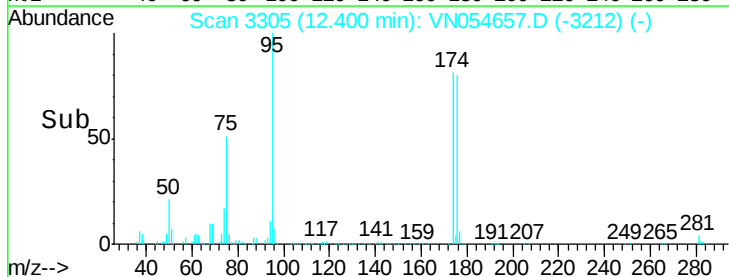
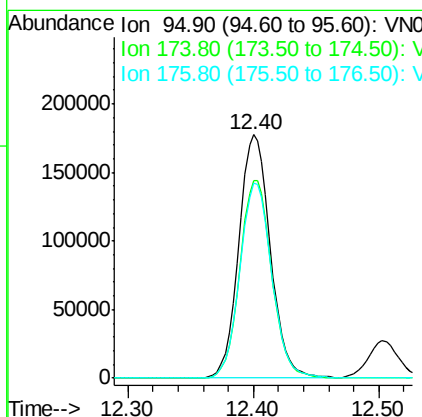
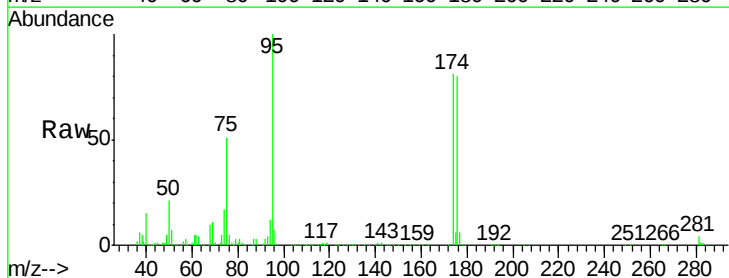
Instrument :
 MSVOA_N
 ClientSampled :

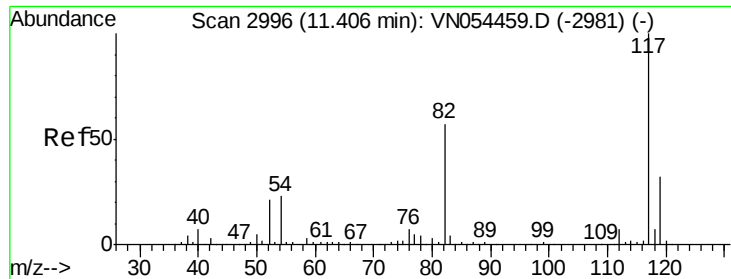
Tot Ion: 107 Resp: 229548
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 49.953 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion: 95 Resp: 310589
 Ion Ratio Lower Upper
 95 100
 174 81.9 0.0 191.0
 176 81.0 0.0 187.4

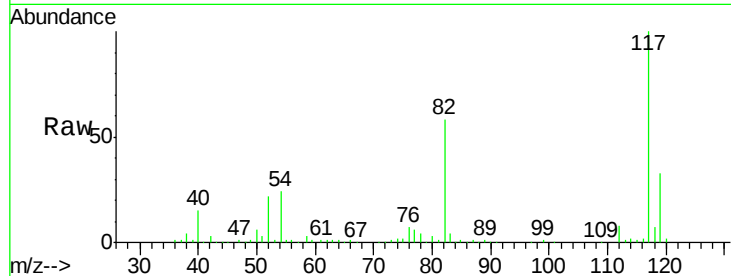




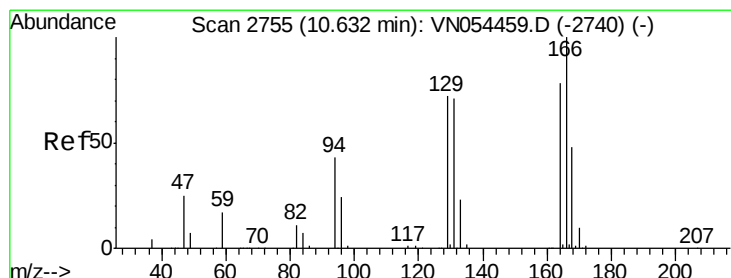
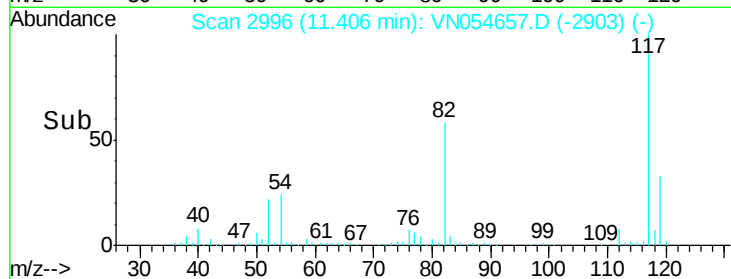
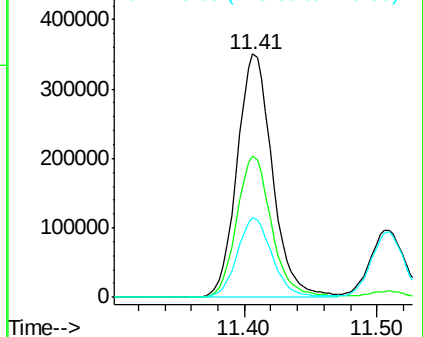
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 649483
Ion Ratio Lower Upper
117 100
82 58.1 40.0 60.0
119 32.7 25.8 38.6

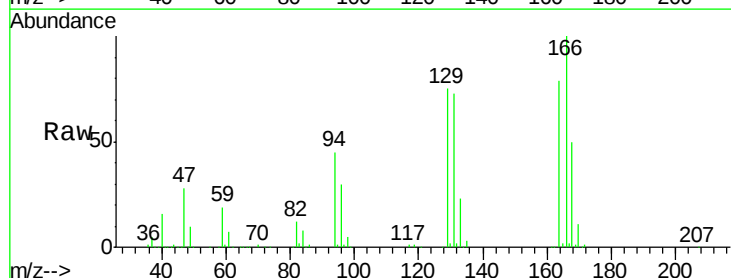


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

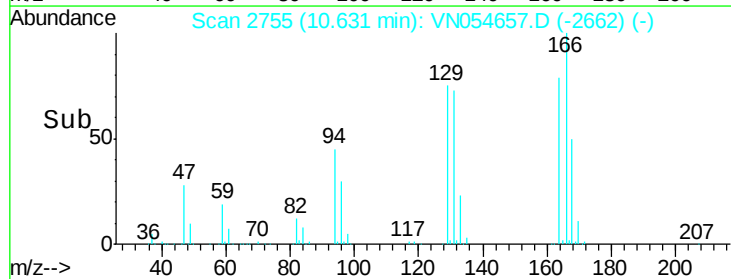
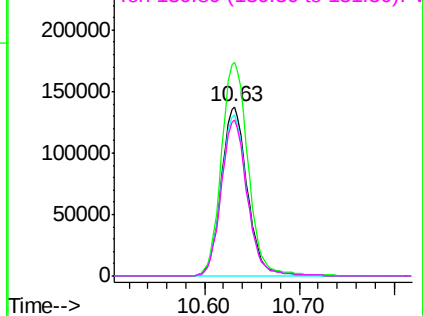


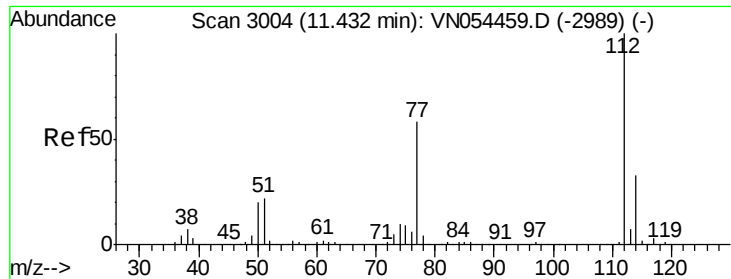
#64
Tetrachloroethene
Concen: 48.912 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion:164 Resp: 263499
Ion Ratio Lower Upper
164 100
166 125.9 103.9 155.9
129 94.8 71.1 106.7
131 92.3 68.2 102.4



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

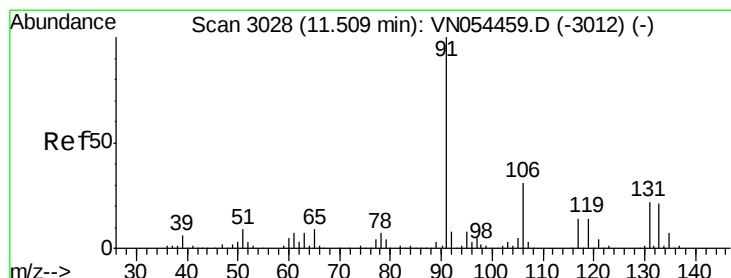
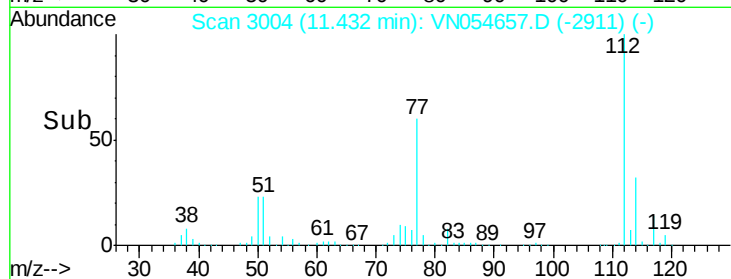
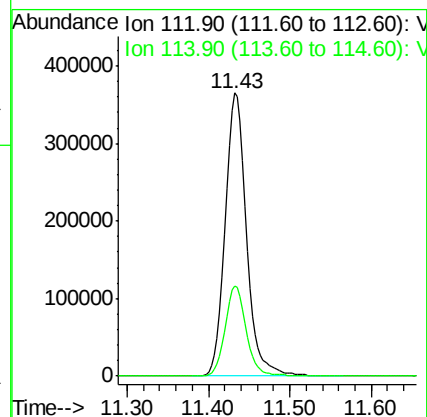
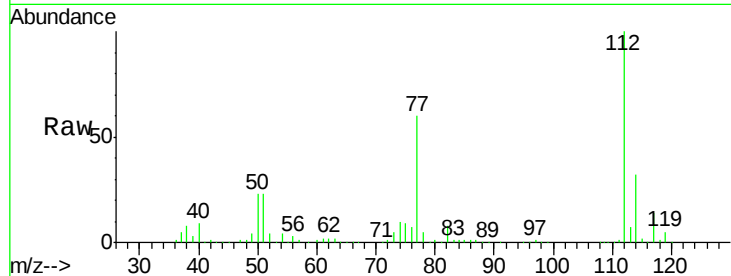




#65
Chlorobenzene
Concen: 51.468 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

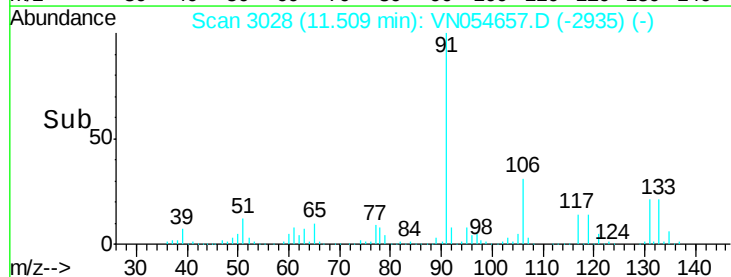
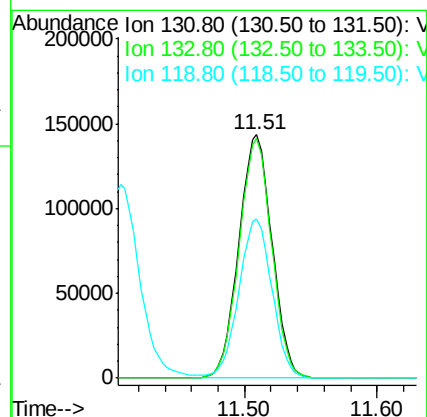
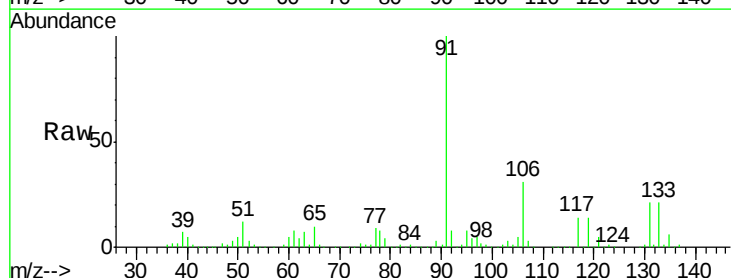
Instrument :
MSVOA_N
ClientSampled :

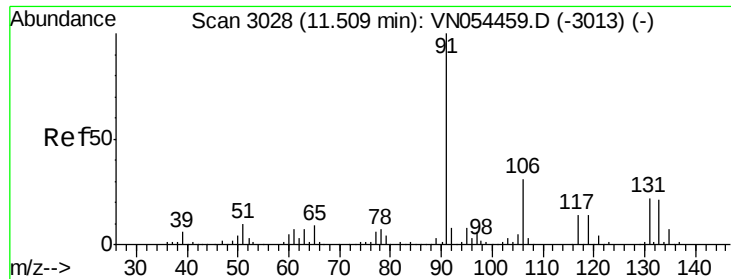
Tot Ion:112 Resp: 679883
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.627 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion:131 Resp: 249525
Ion Ratio Lower Upper
131 100
133 96.8 47.6 142.9
119 65.5 32.4 97.0

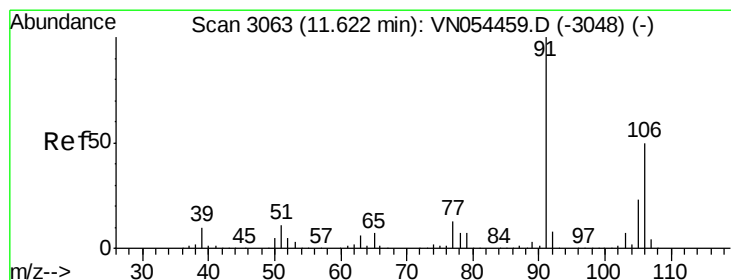
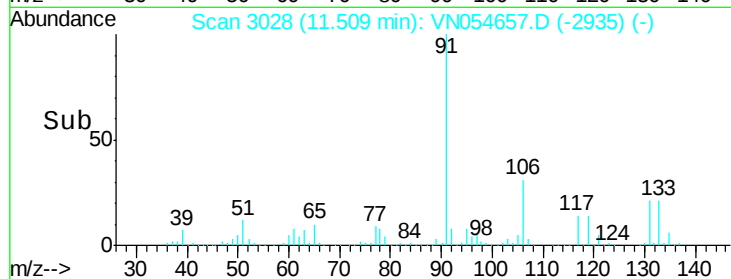
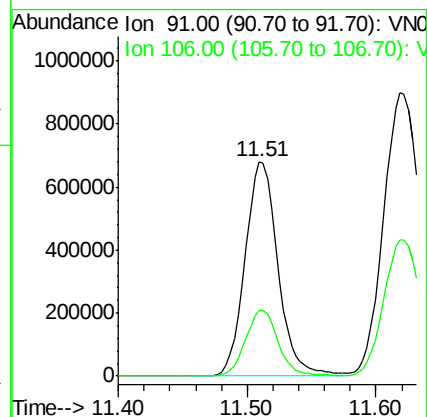
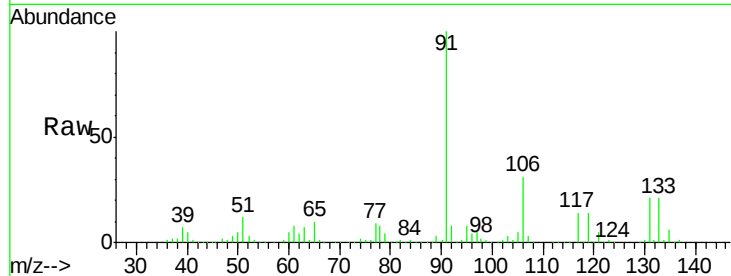




#67
Ethyl Benzene
Concen: 51.834 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

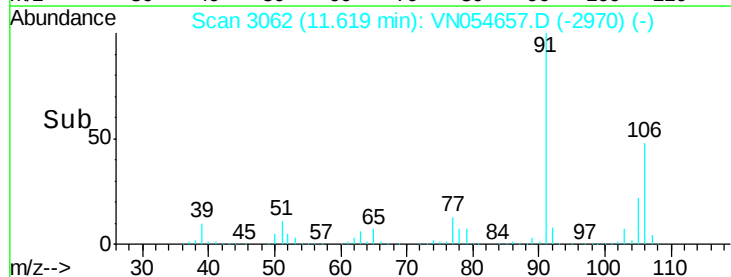
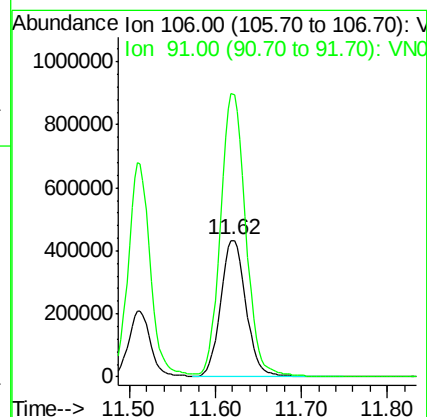
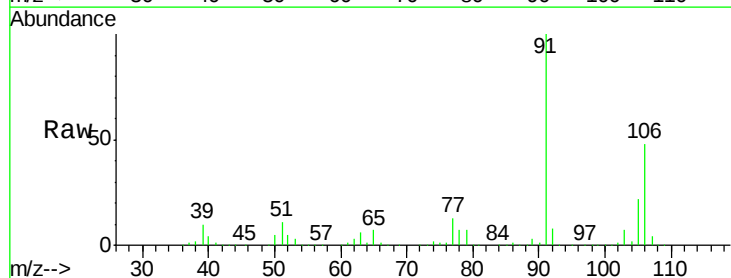
Instrument :
MSVOA_N
ClientSampled :

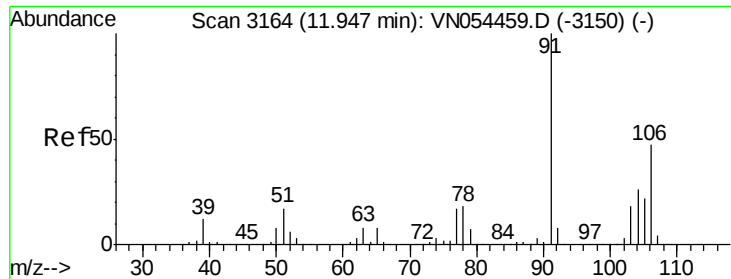
Tot Ion: 91 Resp: 1209505
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3



#68
m/p-Xylenes
Concen: 101.058 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion: 106 Resp: 893188
Ion Ratio Lower Upper
106 100
91 206.4 159.4 239.2

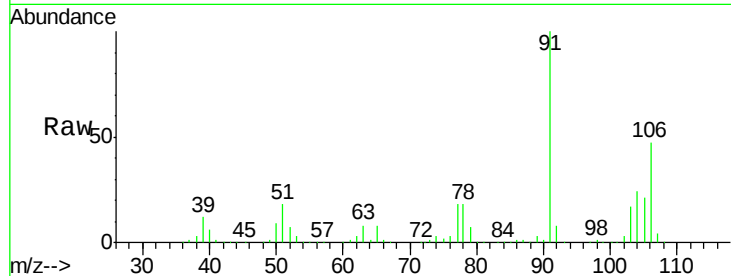




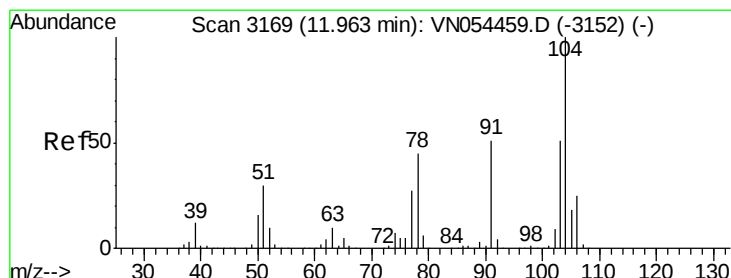
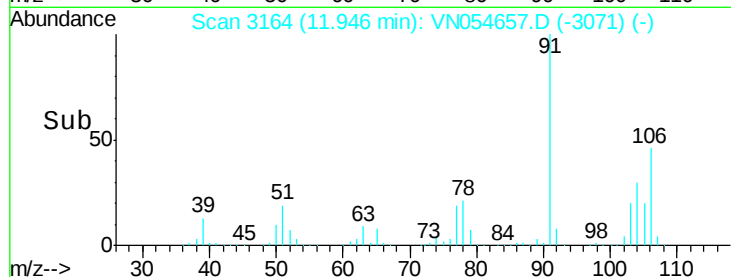
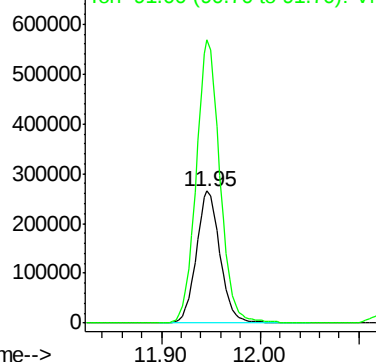
#69
o-Xylene
Concen: 51.944 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 448355
Ion Ratio Lower Upper
106 100
91 214.2 105.7 317.1

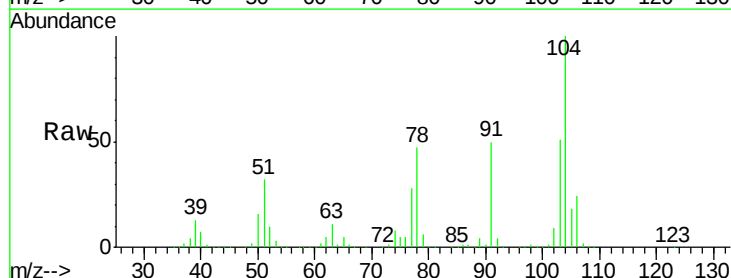


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

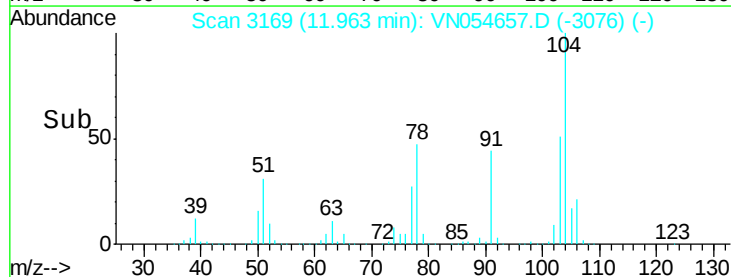
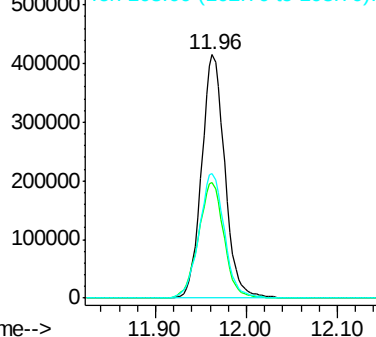


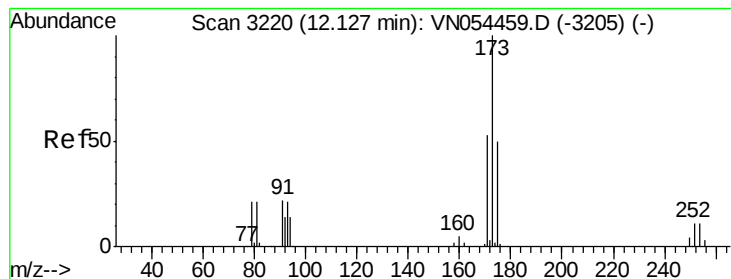
#70
Styrene
Concen: 52.397 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion:104 Resp: 734450
Ion Ratio Lower Upper
104 100
78 52.3 38.2 57.2
103 55.8 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 44.745 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

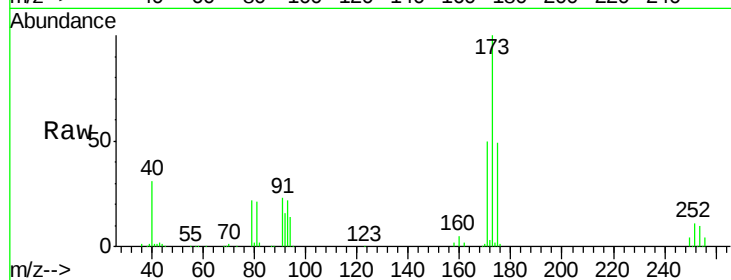
Tot Ion:173 Resp: 145465

Ion Ratio Lower Upper

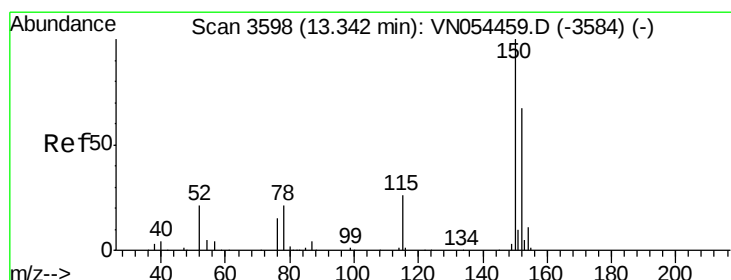
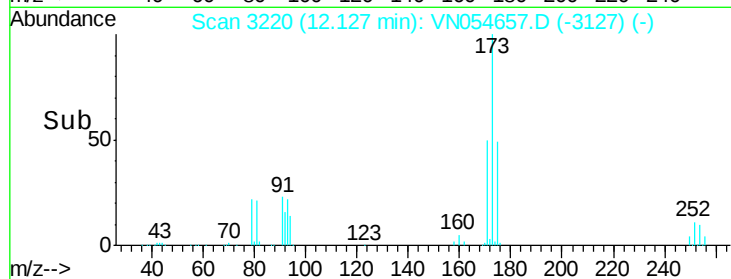
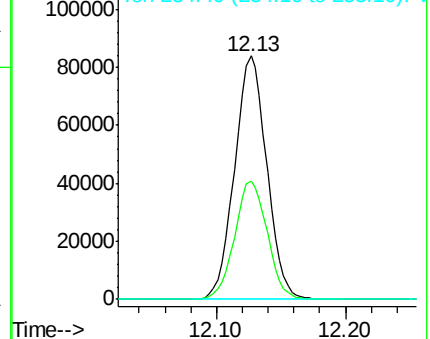
173 100

175 49.0 24.4 73.2

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: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

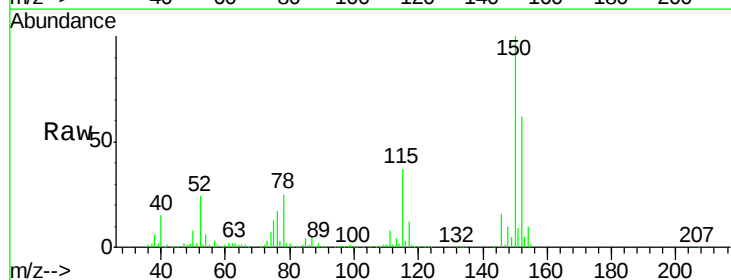
Tgt Ion:152 Resp: 284215

Ion Ratio Lower Upper

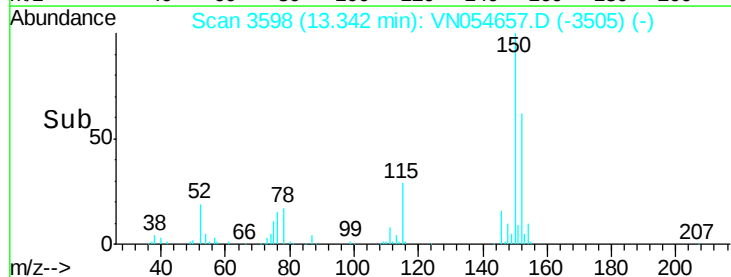
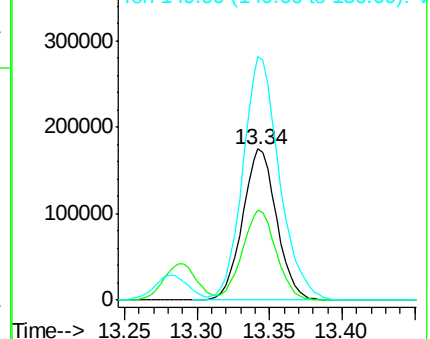
152 100

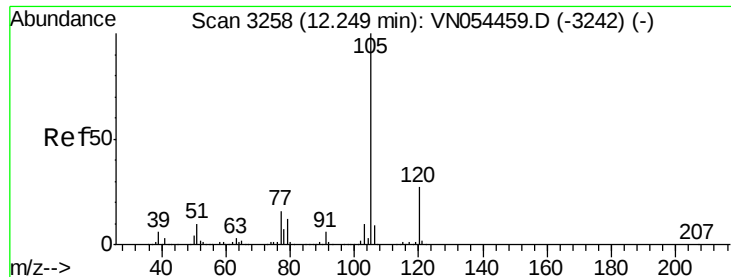
115 59.5 27.2 81.6

150 173.5 0.0 349.2



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: 50.247 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

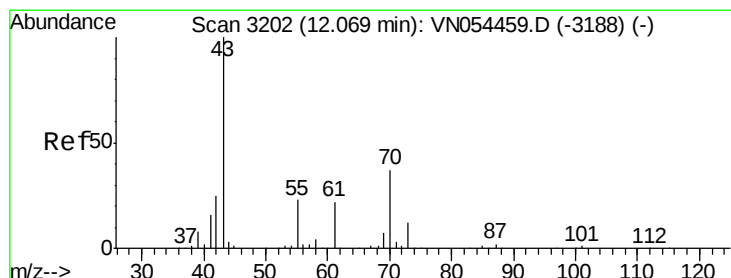
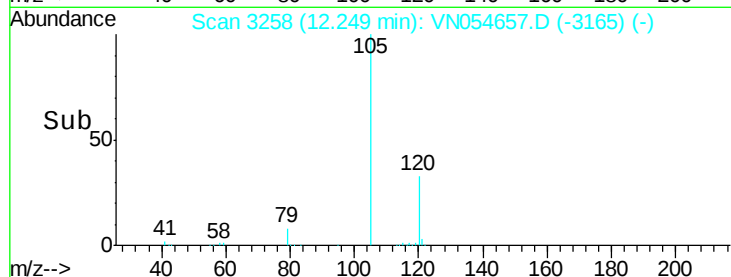
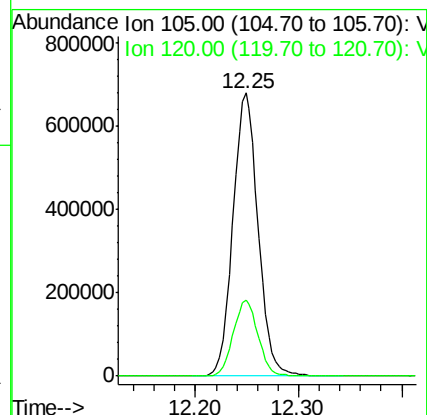
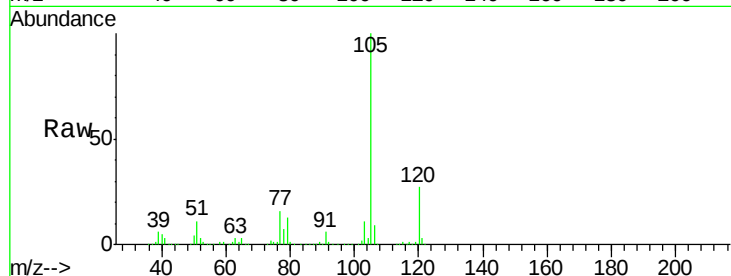
ClientSampled :

Tot Ion:105 Resp: 1150801

Ion Ratio Lower Upper

105 100

120 26.7 13.8 41.3



#74

N-ethyl acetate

Concen: 57.211 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Tgt Ion: 43 Resp: 376755

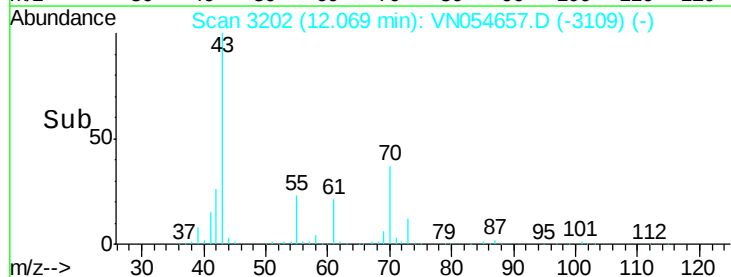
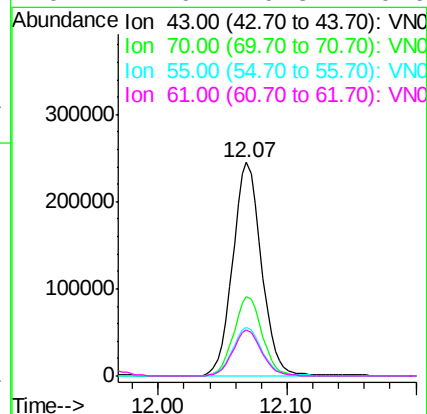
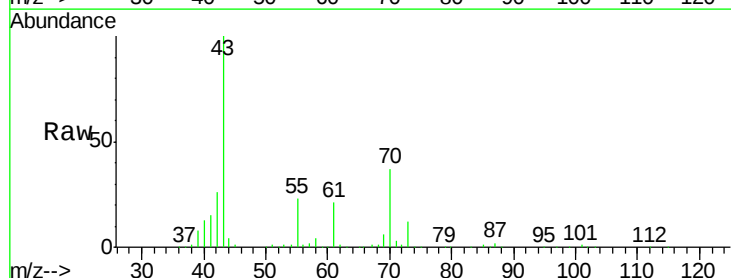
Ion Ratio Lower Upper

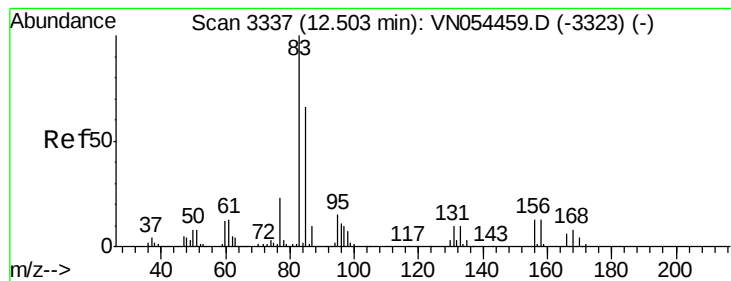
43 100

70 37.2 35.4 53.0

55 23.6 19.8 29.6

61 21.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.260 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

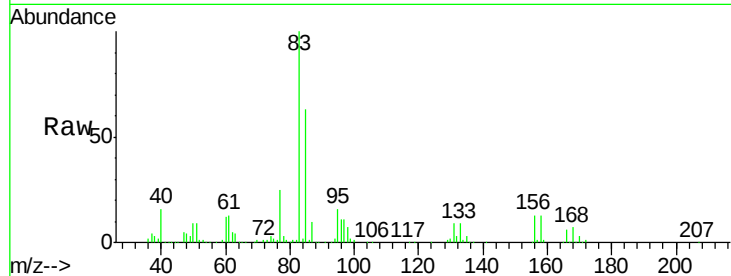
Tot Ion: 83 Resp: 283677

Ion Ratio Lower Upper

83 100

131 10.0 5.8 17.4

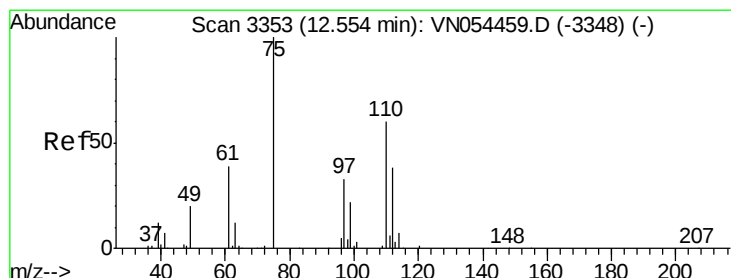
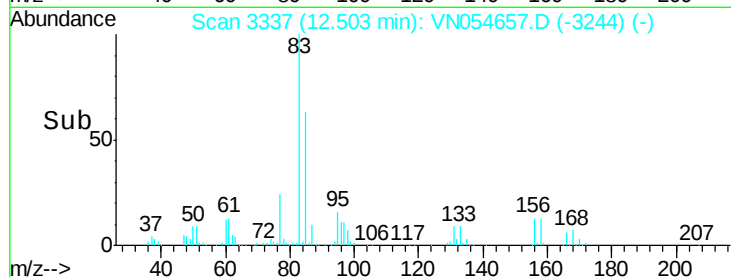
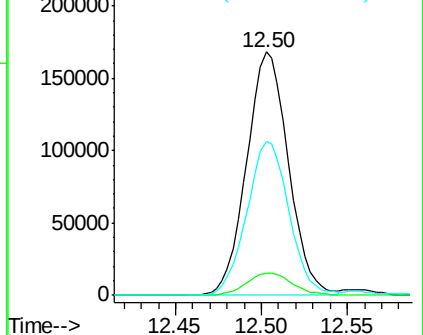
85 63.7 32.2 96.6



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: 74.043 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054657.D

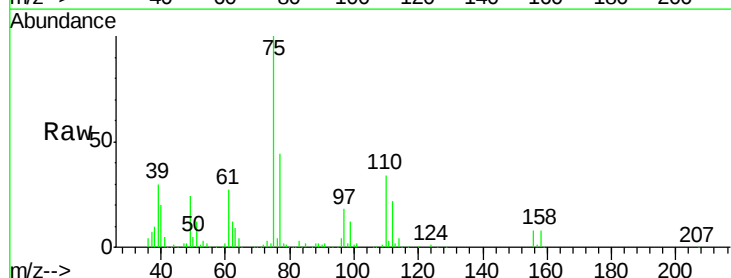
Acq: 24 Mar 2019 19:11

Tgt Ion: 75 Resp: 333936

Ion Ratio Lower Upper

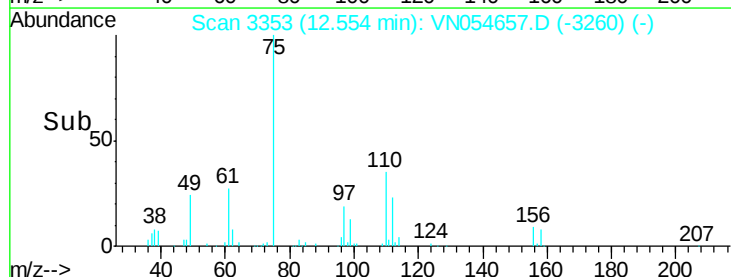
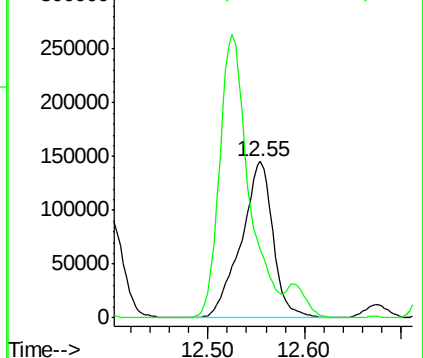
75 100

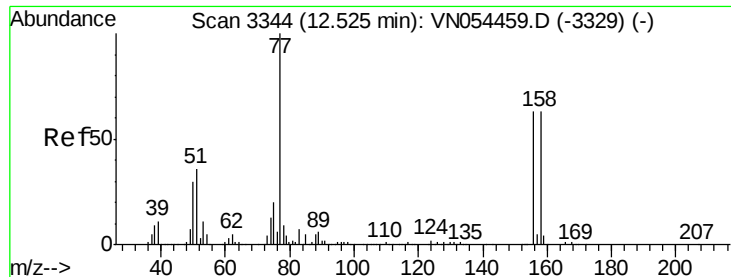
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 50.296 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampled :

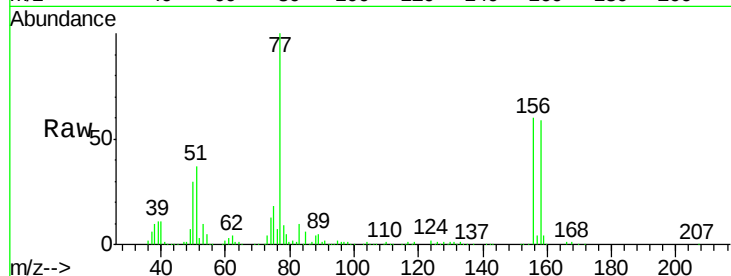
Tot Ion:156 Resp: 285687

Ion Ratio Lower Upper

156 100

77 194.2 81.5 244.4

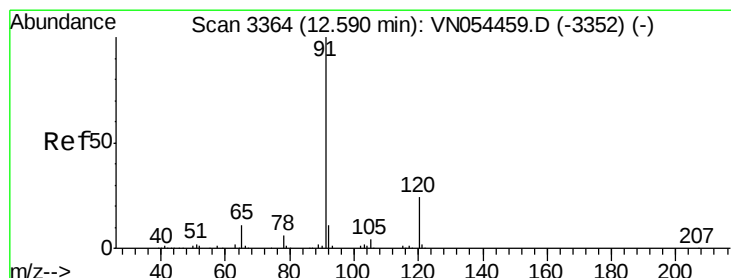
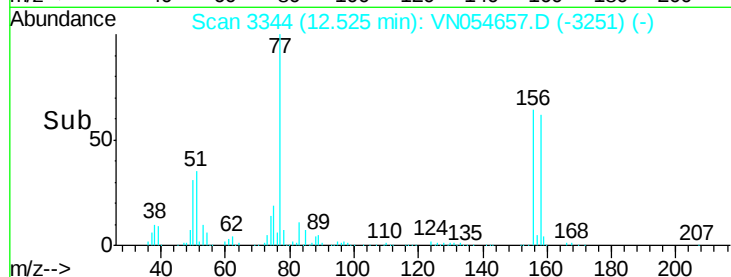
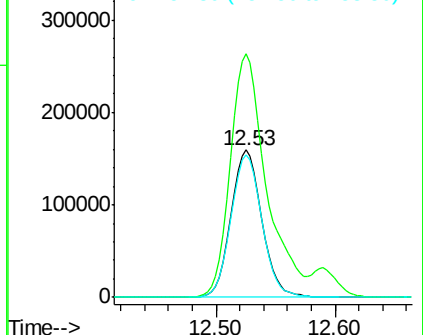
158 97.6 49.0 147.2



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: 50.850 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054657.D

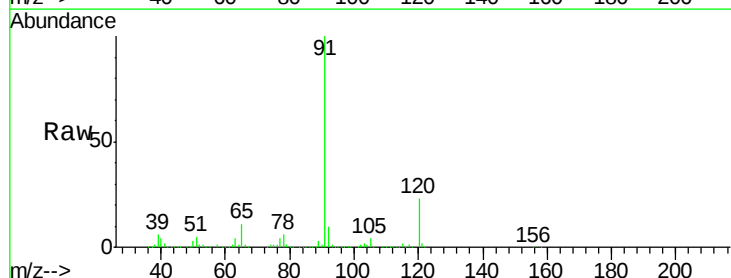
Acq: 24 Mar 2019 19:11

Tgt Ion: 91 Resp: 1262848

Ion Ratio Lower Upper

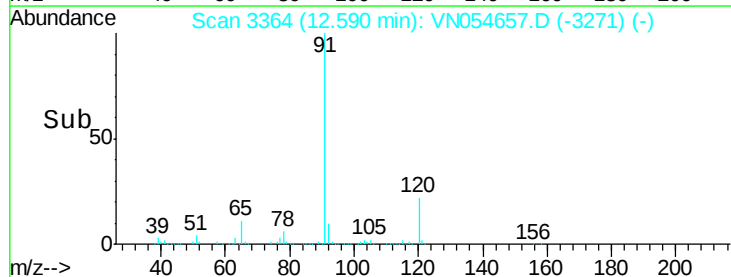
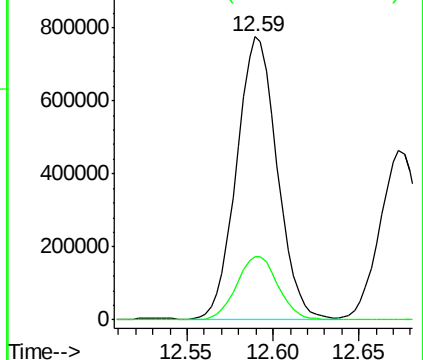
91 100

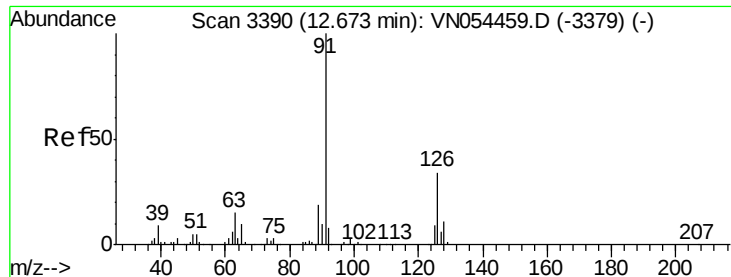
120 23.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.992 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

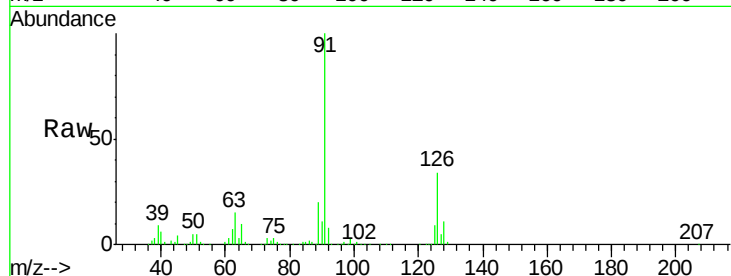
ClientSampleId :

Tot Ion: 91 Resp: 774210

Ion Ratio Lower Upper

91 100

126 34.4 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)

12.67

400000

300000

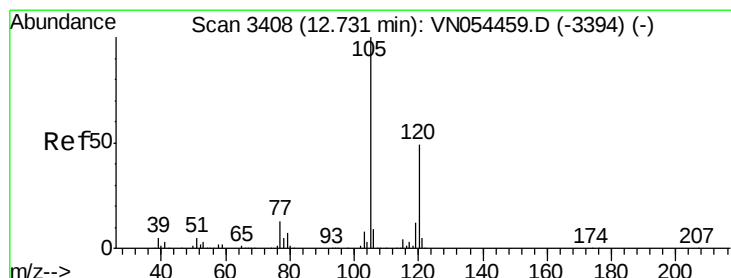
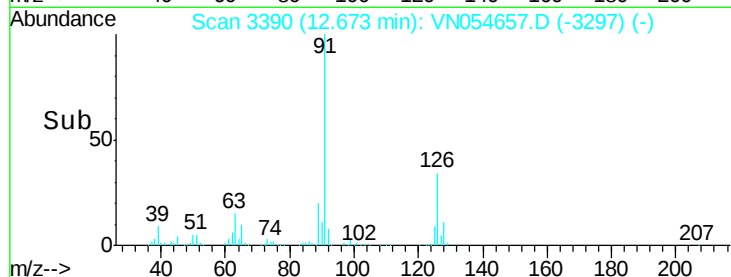
200000

100000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.112 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054657.D

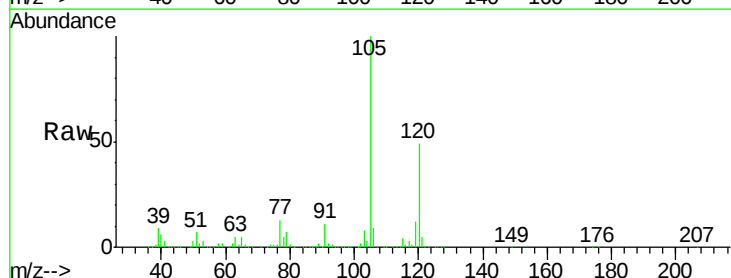
Acq: 24 Mar 2019 19:11

Tgt Ion: 105 Resp: 940627

Ion Ratio Lower Upper

105 100

120 48.8 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

12.73

600000

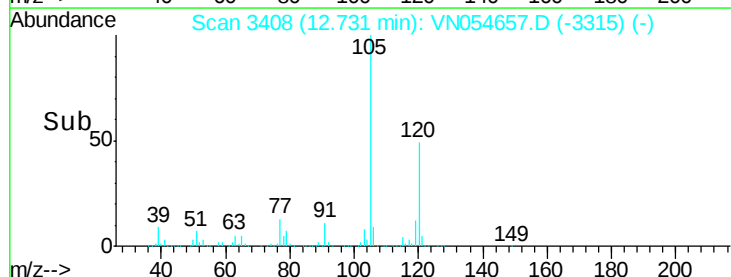
400000

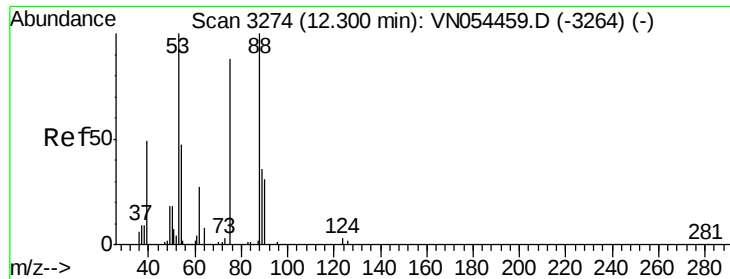
200000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 43.145 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampled :

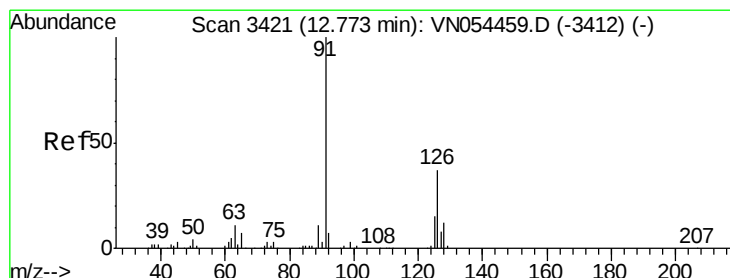
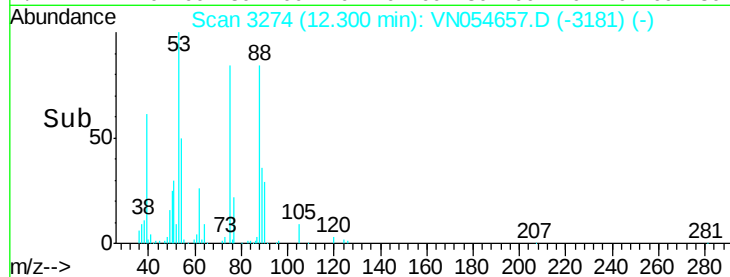
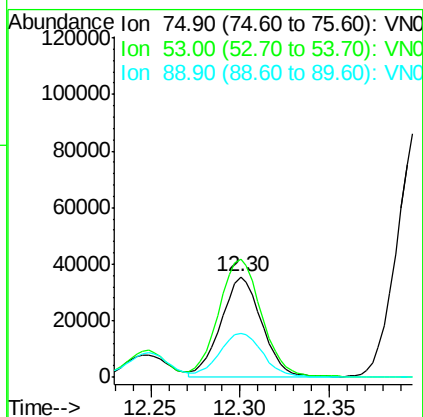
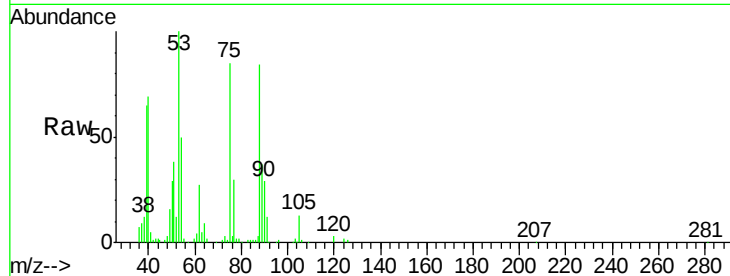
Tot Ion: 75 Resp: 55838

Ion Ratio Lower Upper

75 100

53 126.5 76.2 114.2#

89 47.7 39.2 58.8



#82

4-Chlorotoluene

Concen: 50.852 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054657.D

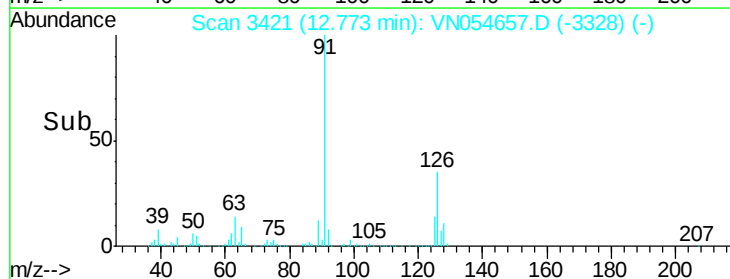
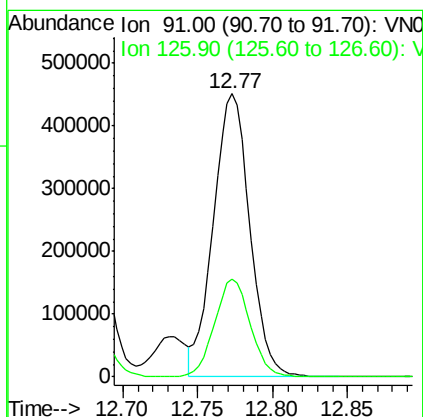
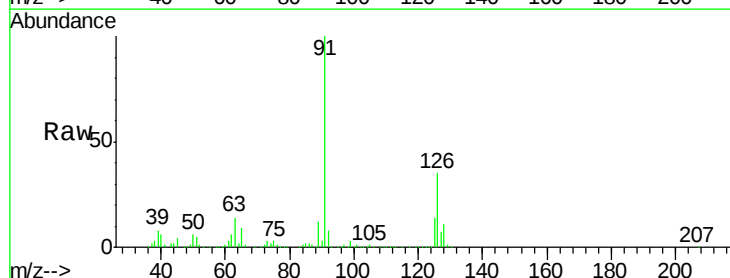
Acq: 24 Mar 2019 19:11

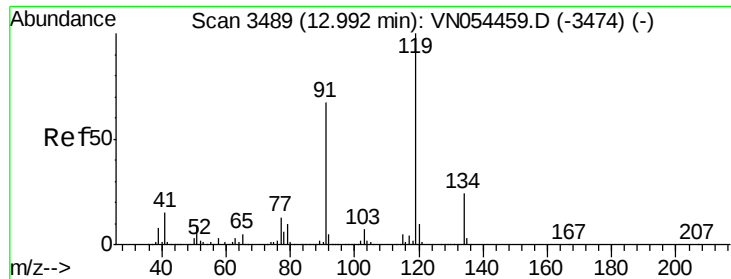
Tgt Ion: 91 Resp: 763365

Ion Ratio Lower Upper

91 100

126 34.1 18.1 54.1

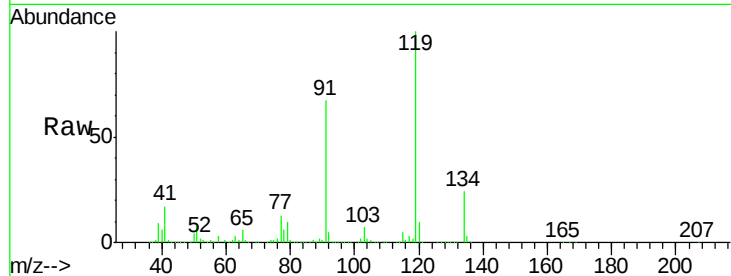




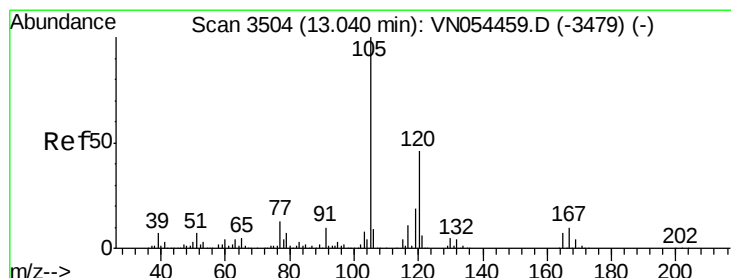
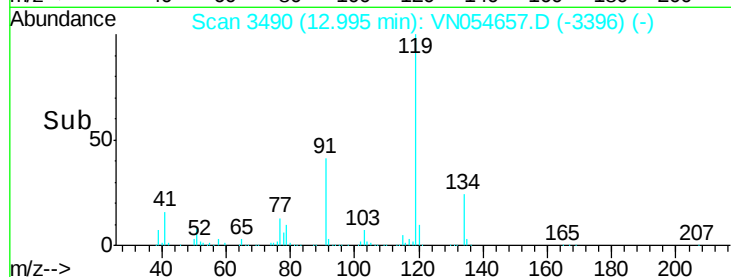
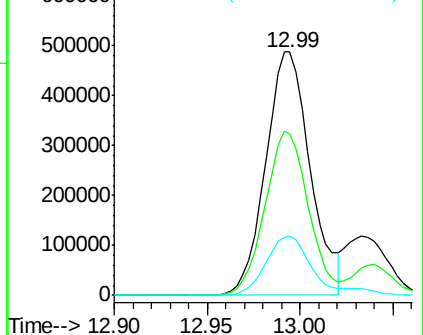
#83
 tert-Butylbenzene
 Concen: 50.119 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 818893
 Ion Ratio Lower Upper
 119 100
 91 65.1 30.9 92.8
 134 26.0 13.2 39.6

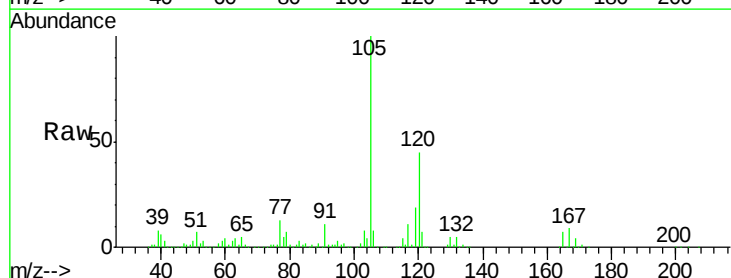


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

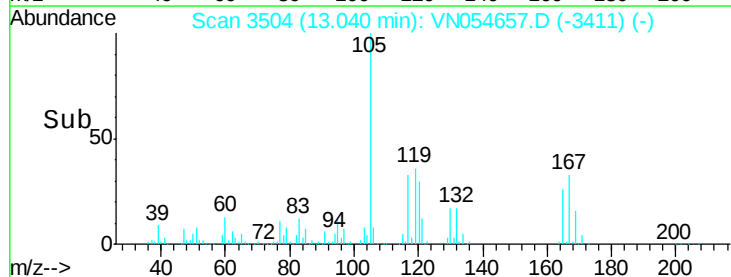
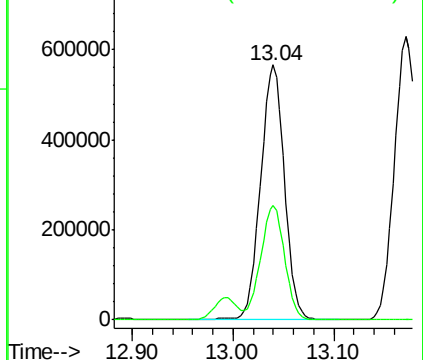


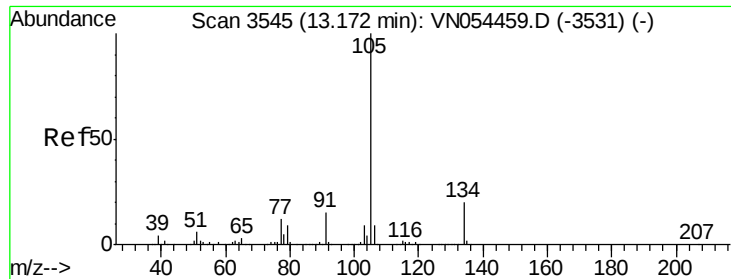
#84
 1,2,4-Trimethylbenzene
 Concen: 50.417 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion:105 Resp: 928595
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.794 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

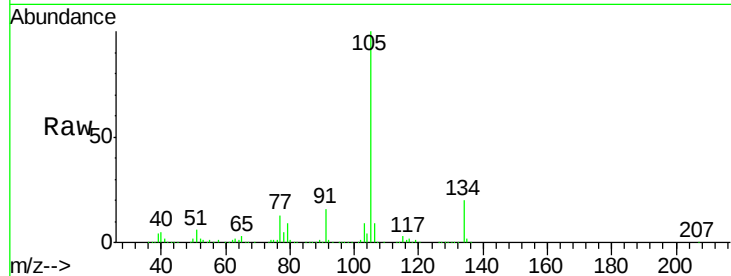
ClientSampleId :

Tot Ion:105 Resp: 1014197

Ion Ratio Lower Upper

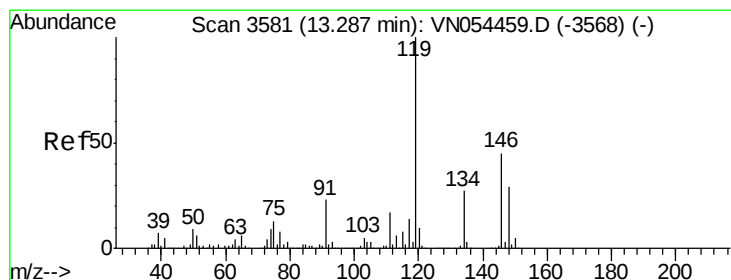
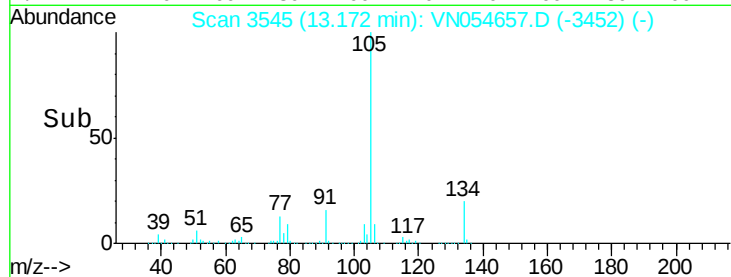
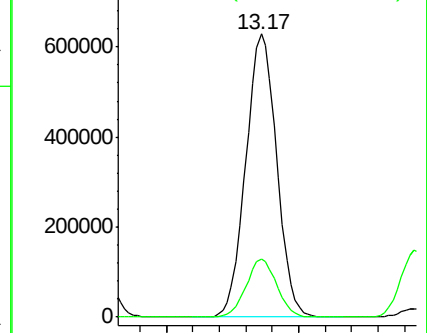
105 100

134 20.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.326 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

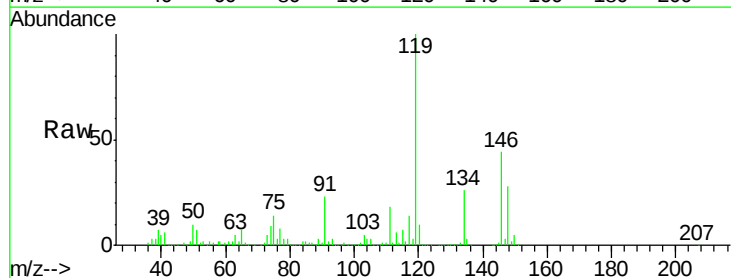
Tgt Ion:119 Resp: 898831

Ion Ratio Lower Upper

119 100

134 26.0 13.6 40.8

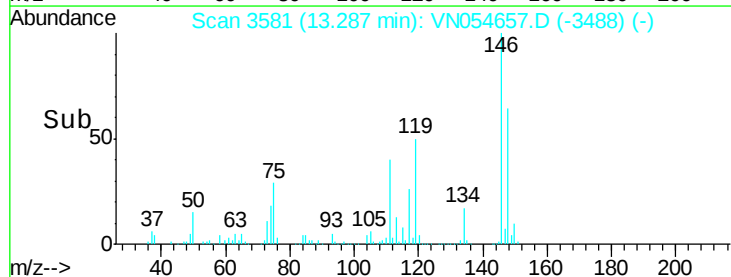
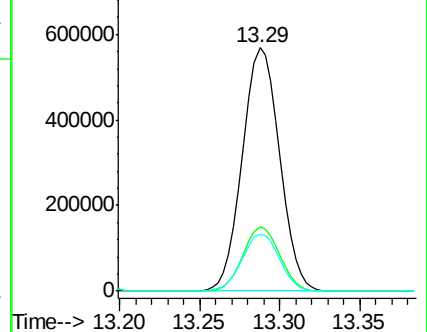
91 23.6 11.1 33.3

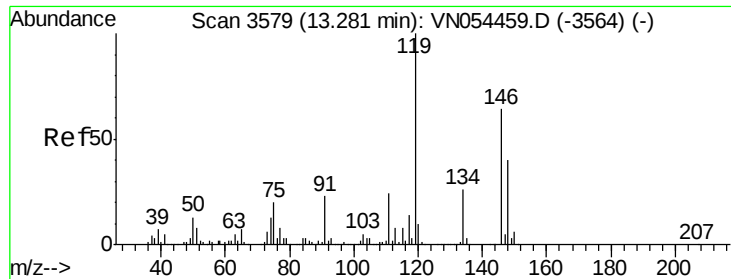


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.964 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

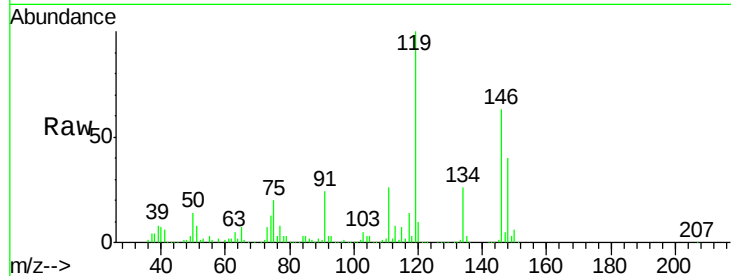
Tot Ion:146 Resp: 470306

Ion Ratio Lower Upper

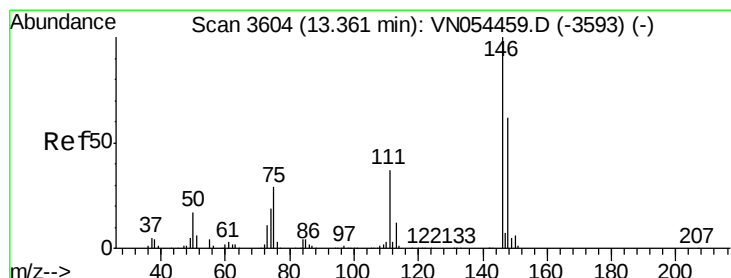
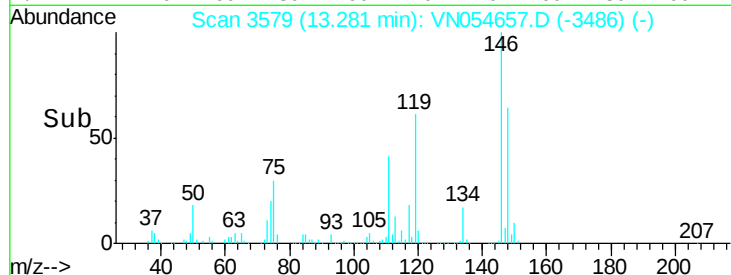
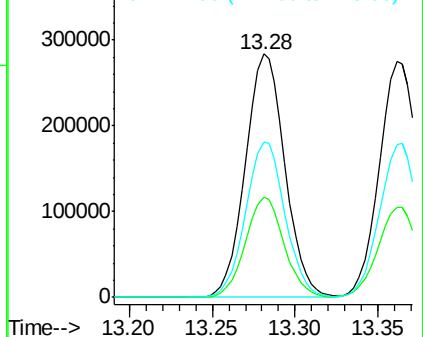
146 100

111 40.3 18.8 56.3

148 63.7 32.2 96.6



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: 50.122 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

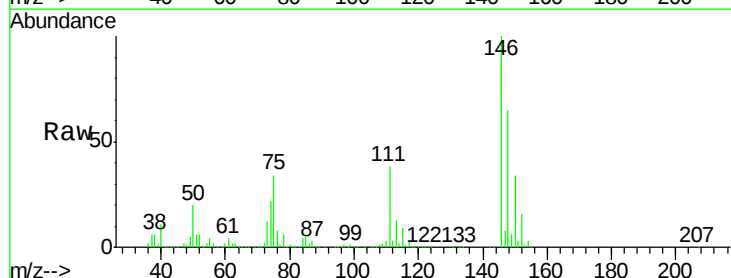
Tgt Ion:146 Resp: 459036

Ion Ratio Lower Upper

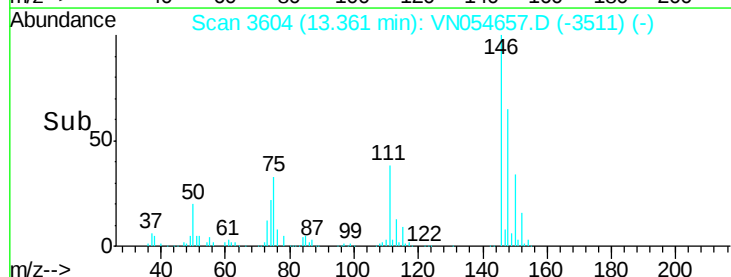
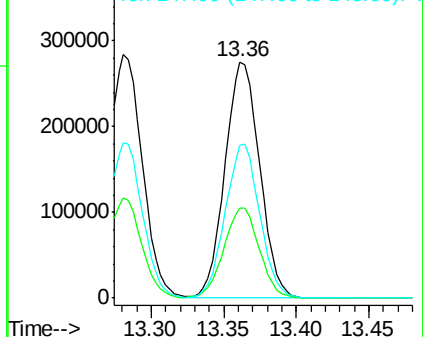
146 100

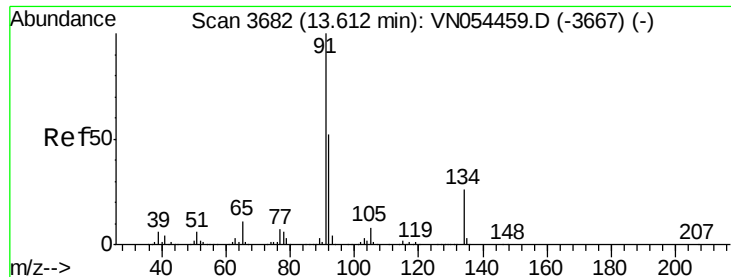
111 38.9 18.1 54.1

148 64.6 32.0 96.0



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

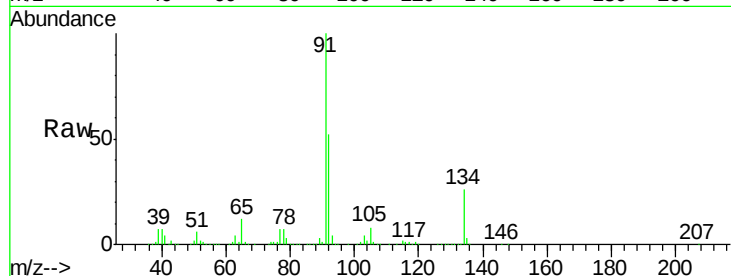




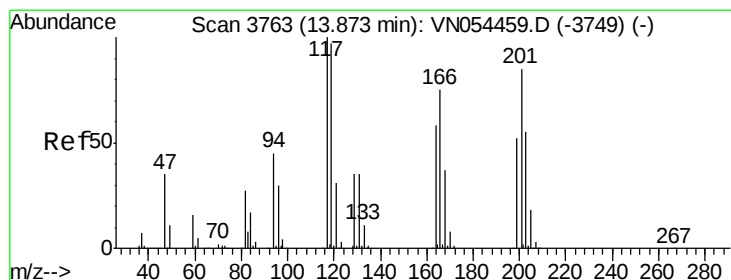
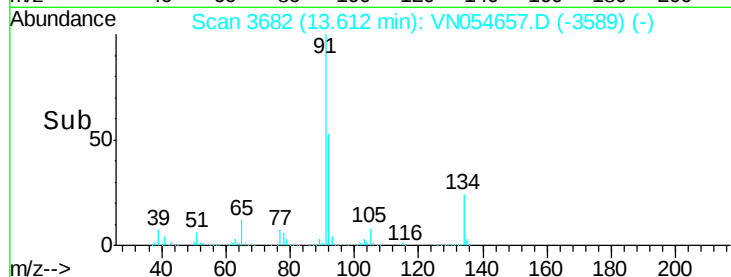
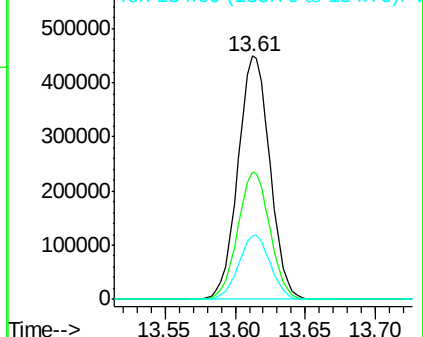
#89
n-Butylbenzene
Concen: 49.947 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 711671
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.6
134 26.1 14.3 42.9

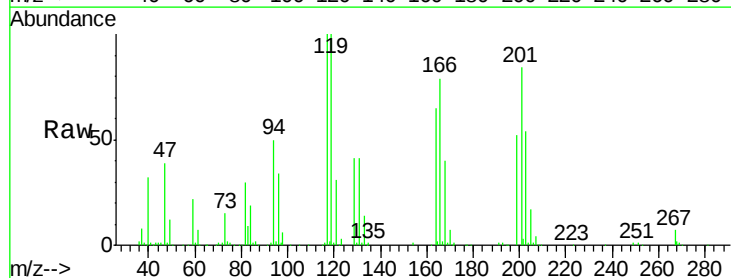


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

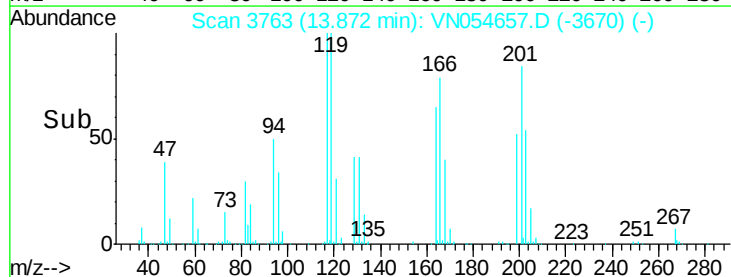
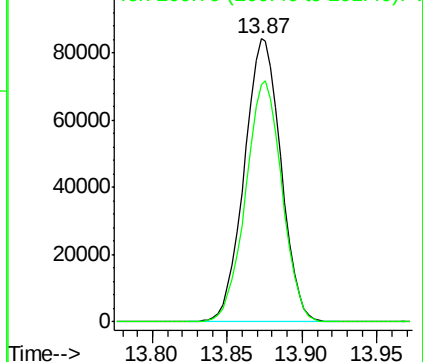


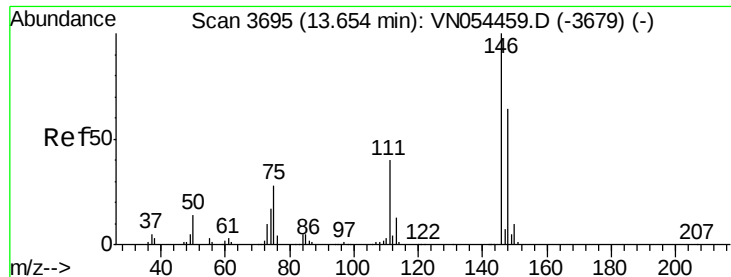
#90
Hexachloroethane
Concen: 50.691 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion: 117 Resp: 143381
Ion Ratio Lower Upper
117 100
201 84.1 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 51.025 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampled :

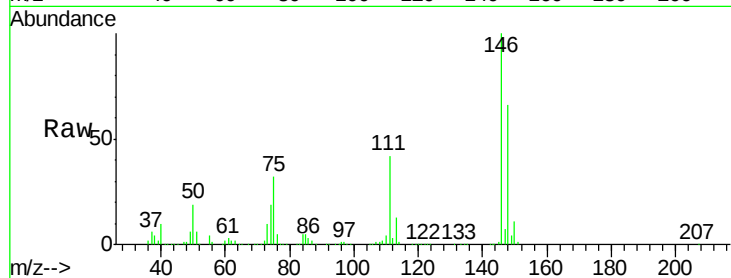
Tot Ion:146 Resp: 465213

Ion Ratio Lower Upper

146 100

111 41.3 19.1 57.3

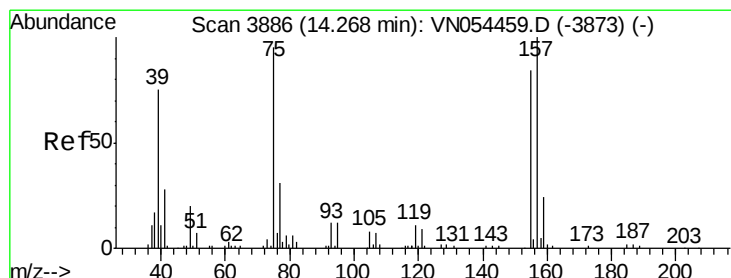
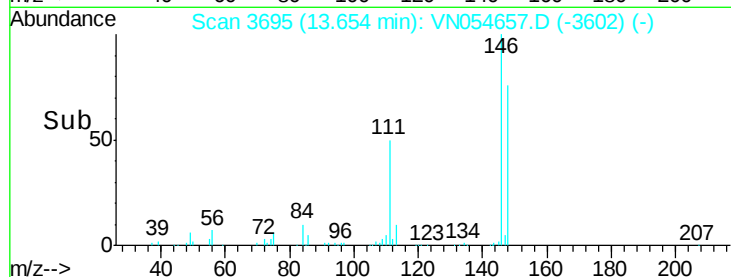
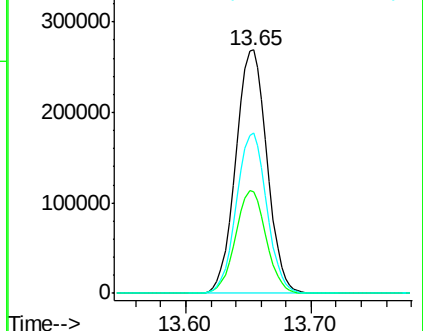
148 64.2 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.551 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

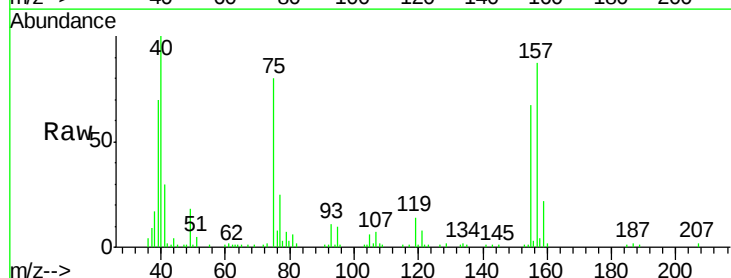
Tgt Ion: 75 Resp: 41065

Ion Ratio Lower Upper

75 100

155 80.5 50.1 150.3

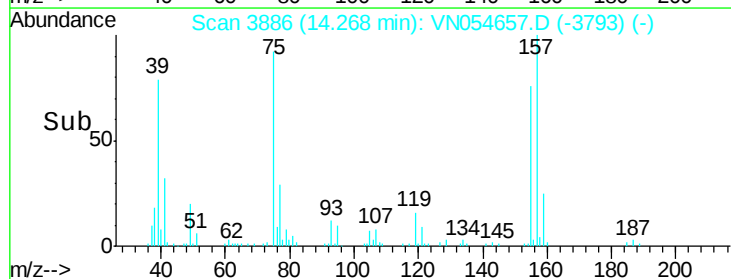
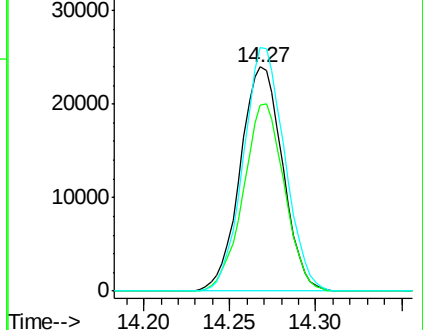
157 105.6 63.1 189.3

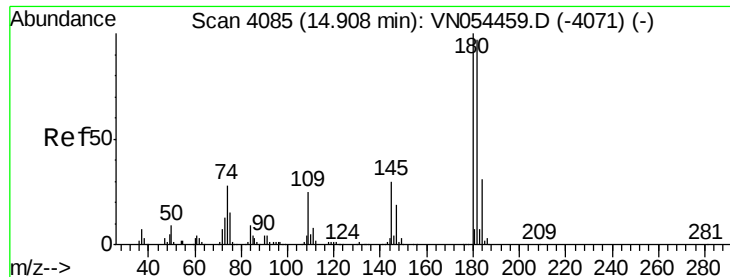


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

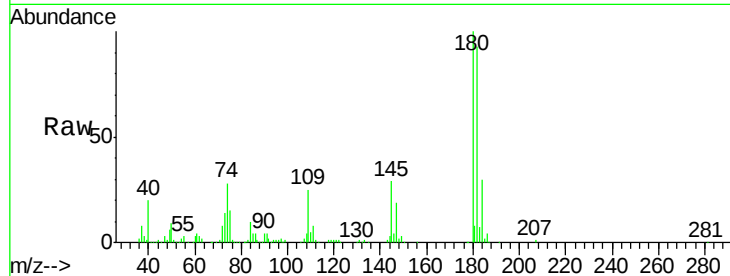




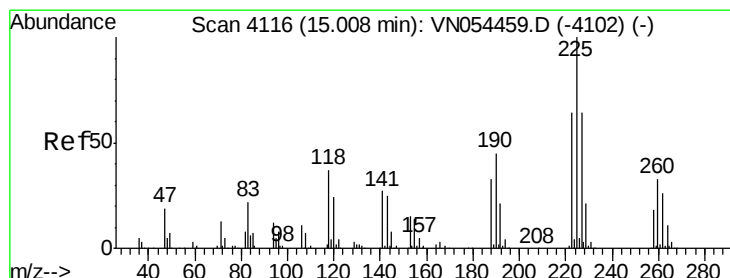
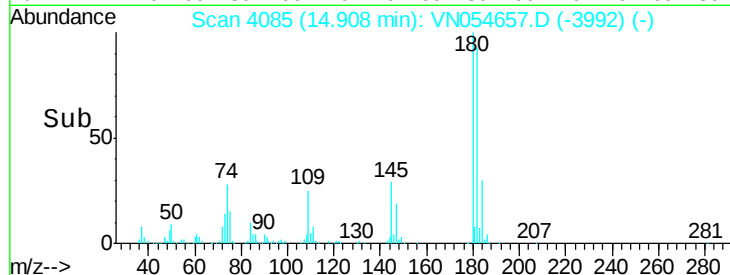
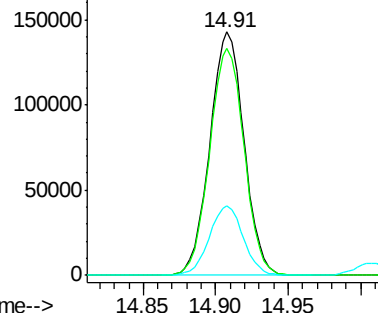
#93
 1,2,4-Trichlorobenzene
 Concen: 51.387 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.0	144.2
145	28.5	14.2	42.8

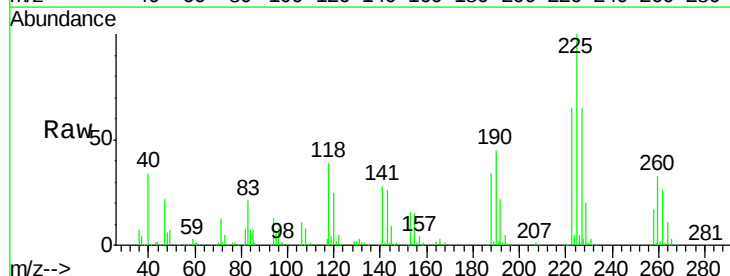


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

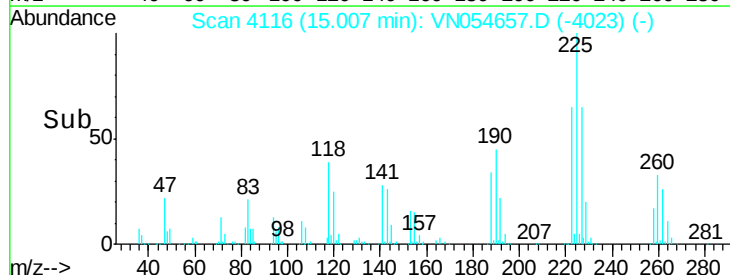
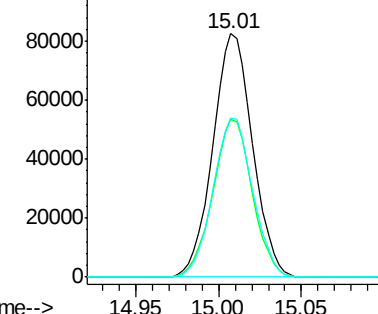


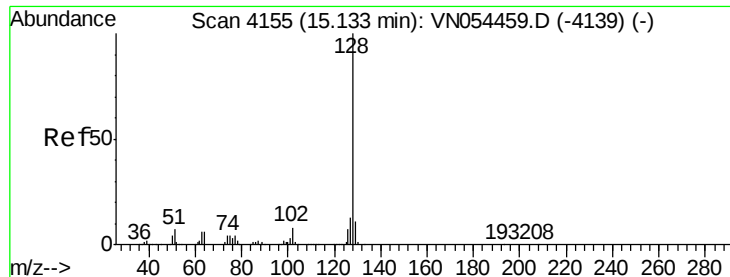
#94
 Hexachlorobutadiene
 Concen: 53.977 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.1	93.5
227	65.1	31.9	95.9



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





#95

Naphthalene

Concen: 51.459 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

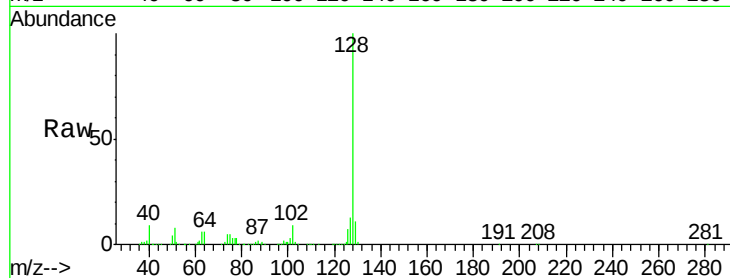
Tot Ion:128 Resp: 521685

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

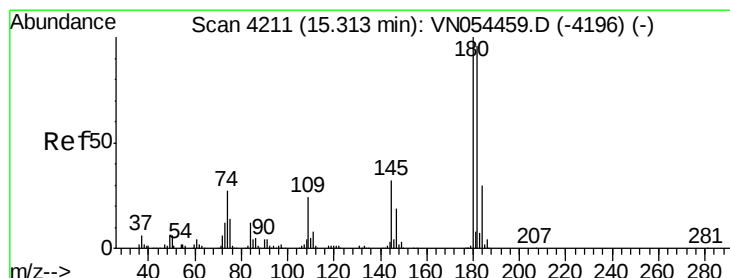
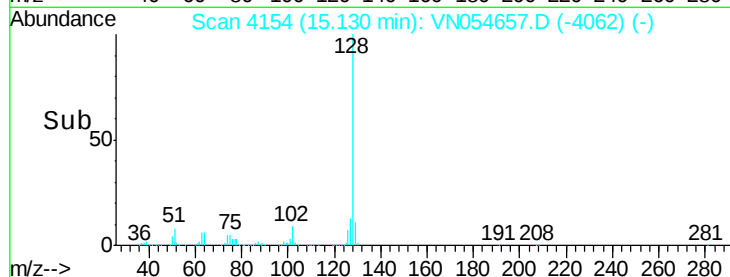
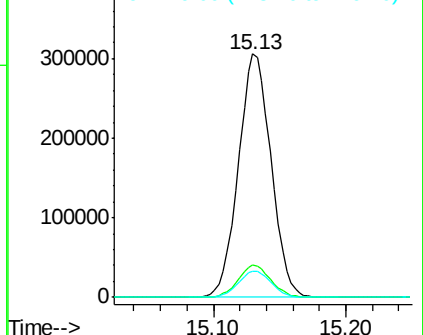
129 10.8 8.7 13.1



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: 50.869 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

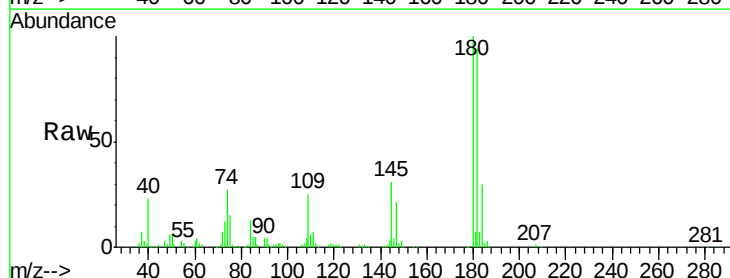
Tgt Ion:180 Resp: 230106

Ion Ratio Lower Upper

180 100

182 96.6 47.5 142.6

145 30.9 14.8 44.3



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

