

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055632.D
 Acq On : 17 May 2019 23:50
 Operator : JC/SP
 Sample : K2902-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 03:14:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	335792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	509566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	444917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	206773	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	182659	49.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.24%	
35) Dibromofluoromethane	7.59	113	165284	51.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.12%	
50) Toluene-d8	10.09	98	613211	50.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.40	95	212758	50.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	119500	46.253	ug/l	98
3) Chloromethane	2.06	50	156563	45.432	ug/l	99
4) Vinyl Chloride	2.18	62	176618	47.331	ug/l	99
5) Bromomethane	2.56	94	115107	48.402	ug/l	100
6) Chloroethane	2.71	64	101556	49.015	ug/l	100
7) Trichlorofluoromethane	3.03	101	231966	48.509	ug/l	98
8) Diethyl Ether	3.41	74	95588	49.760	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	141658	48.592	ug/l	99
10) Methyl Iodide	3.96	142	203126	48.331	ug/l	99
11) Tert butyl alcohol	4.77	59	178203	259.607	ug/l	98
12) 1,1-Dichloroethene	3.74	96	147875	48.220	ug/l	98
13) Acrolein	3.61	56	84446	241.223	ug/l	99
14) Allyl chloride	4.33	41	210240	42.467	ug/l	93
15) Acrylonitrile	4.99	53	392245	256.839	ug/l	100
16) Acetone	3.82	43	319313	212.567	ug/l	99
17) Carbon Disulfide	4.06	76	402317	47.192	ug/l	100
18) Methyl Acetate	4.33	43	142894	44.371	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	493709	48.664	ug/l	98
20) Methylene Chloride	4.56	84	161705	47.169	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	157386	48.177	ug/l	98
22) Diisopropyl ether	5.95	45	467224	47.627	ug/l	97
23) Vinyl Acetate	5.90	43	1802910	216.591	ug/l	99
24) 1,1-Dichloroethane	5.85	63	277441	48.233	ug/l	99
25) 2-Butanone	6.84	43	512347	243.932	ug/l	99
26) 2,2-Dichloropropane	6.83	77	166878	32.689	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	182290	47.920	ug/l	96
28) Bromochloromethane	7.20	49	126291	50.467	ug/l	98
29) Tetrahydrofuran	7.21	42	345158	248.045	ug/l	99
30) Chloroform	7.37	83	283701	48.049	ug/l	99
31) Cyclohexane	7.66	56	249539	45.710	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	252167	47.616	ug/l	99
36) 1,1-Dichloropropene	7.80	75	216508	47.657	ug/l	99
37) Ethyl Acetate	6.93	43	191950	46.822	ug/l	100
38) Carbon Tetrachloride	7.78	117	225411	46.431	ug/l	99

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

39) Methylcyclohexane	9.08	83	251947	46.004	ug/l	100
40) Benzene	8.04	78	649923	48.637	ug/l	100
41) Methacrylonitrile	7.21	41	306033	174.604	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	216823	50.108	ug/l	100
43) Isopropyl Acetate	8.16	43	327433	45.916	ug/l	98
44) Trichloroethene	8.84	130	189259	50.194	ug/l	97
45) 1,2-Dichloropropane	9.12	63	170948	48.561	ug/l	100
46) Dibromomethane	9.21	93	113676	49.338	ug/l	99
47) Bromodichloromethane	9.40	83	230715	47.778	ug/l	98
48) Methyl methacrylate	9.20	41	159630	50.081	ug/l	97
49) 1,4-Dioxane	9.20	88	68156	1076.099	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1038240	248.202	ug/l	100
52) Toluene	10.16	92	408391	48.727	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	244702	47.083	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	267206	46.931	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	167037	48.411	ug/l	99
56) Ethyl methacrylate	10.43	69	258889	48.065	ug/l	98
57) 1,3-Dichloropropane	10.71	76	268669	49.164	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.72	63	2131	0.931	ug/l #	46
59) 2-Hexanone	10.75	43	737404	250.386	ug/l	98
60) Dibromochloromethane	10.90	129	196352	50.210	ug/l	100
61) 1,2-Dibromoethane	11.01	107	172930	50.090	ug/l	100
64) Tetrachloroethene	10.63	164	165286	47.101	ug/l	99
65) Chlorobenzene	11.43	112	439818	48.874	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	176592	48.779	ug/l	99
67) Ethyl Benzene	11.51	91	767335	47.866	ug/l	98
68) m/p-Xylenes	11.62	106	579446	95.715	ug/l	99
69) o-Xylene	11.95	106	281110	47.476	ug/l	98
70) Styrene	11.96	104	480133	48.768	ug/l	99
71) Bromoform	12.13	173	155672	50.741	ug/l	99
73) Isopropylbenzene	12.25	105	743513	51.304	ug/l	100
74) N-amyl acetate	12.07	43	248717	42.837	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	234309	51.652	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	283392	67.167	ug/l #	100
77) Bromobenzene	12.53	156	201987	47.565	ug/l	96
78) n-propylbenzene	12.59	91	814086	44.335	ug/l	99
79) 2-Chlorotoluene	12.67	91	491462	50.012	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	618707	49.909	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	68794	41.913	ug/l	99
82) 4-Chlorotoluene	12.77	91	491532	45.433	ug/l	99
83) tert-Butylbenzene	12.99	119	529851	50.371	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	616310	49.788	ug/l	99
85) sec-Butylbenzene	13.17	105	684052	49.461	ug/l	100
86) p-Isopropyltoluene	13.29	119	630400	48.943	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	332835	47.404	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	323178	48.206	ug/l	99
89) n-Butylbenzene	13.61	91	514290	45.326	ug/l	100
90) Hexachloroethane	13.87	117	123896	50.401	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	328239	46.897	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45328	48.304	ug/l	95

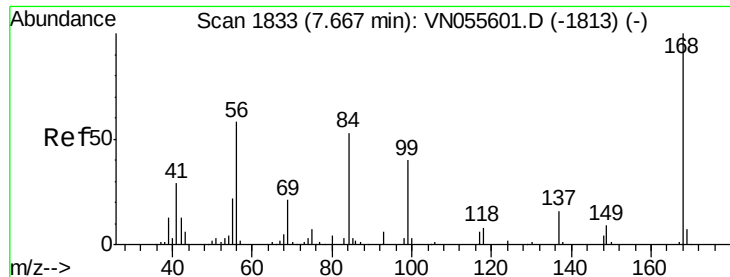
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	192347	53.989	ug/l	100
94) Hexachlorobutadiene	15.01	225	101873	47.214	ug/l	99
95) Naphthalene	15.13	128	544013	50.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	192056	51.557	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

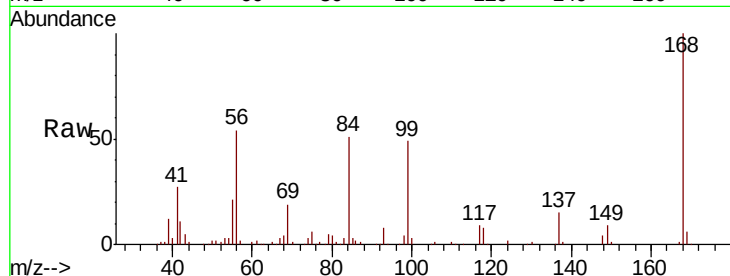
ClientSampled :

Tot Ion:168 Resp: 335792

Ion Ratio Lower Upper

168 100

99 48.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

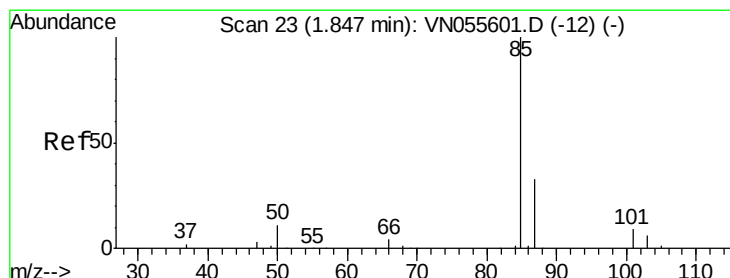
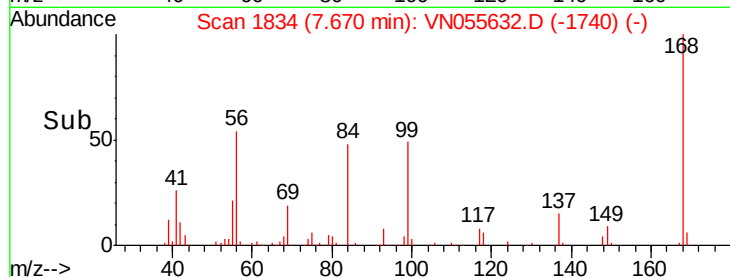
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.253 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055632.D

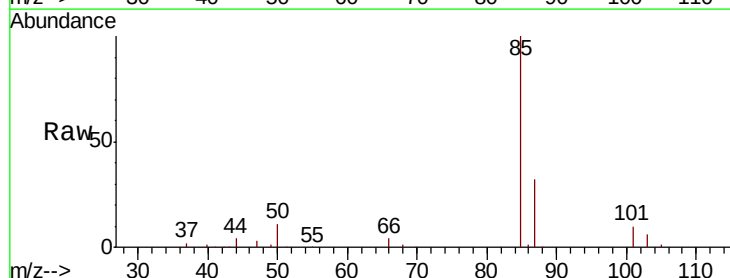
Acq: 17 May 2019 23:50

Tgt Ion: 85 Resp: 119500

Ion Ratio Lower Upper

85 100

87 32.2 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

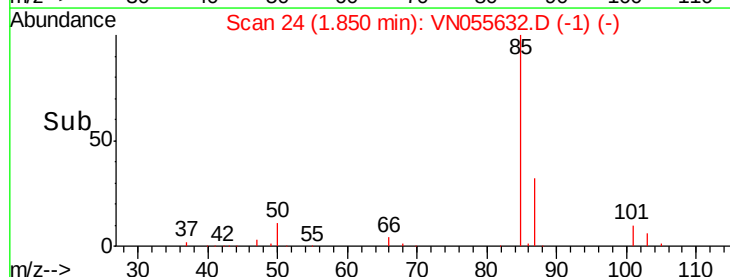
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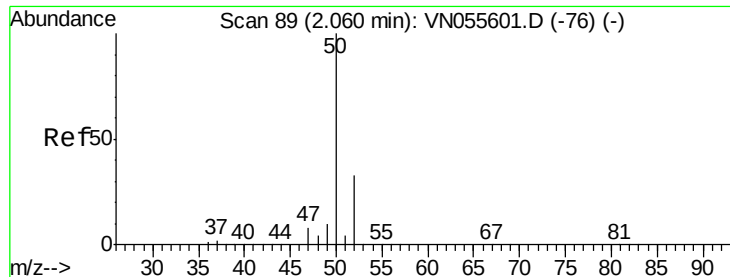
40000

20000

0

Time-->





#3

Chloromethane

Concen: 45.432 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

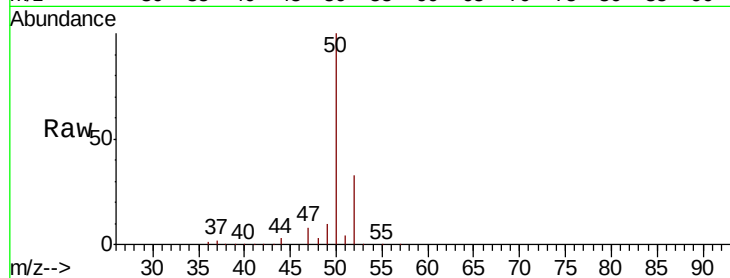
ClientSampleId :

Tot Ion: 50 Resp: 156563

Ion Ratio Lower Upper

50 100

52 32.6 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

120000

100000

80000

60000

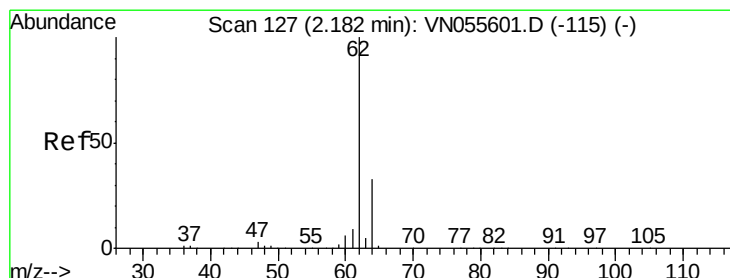
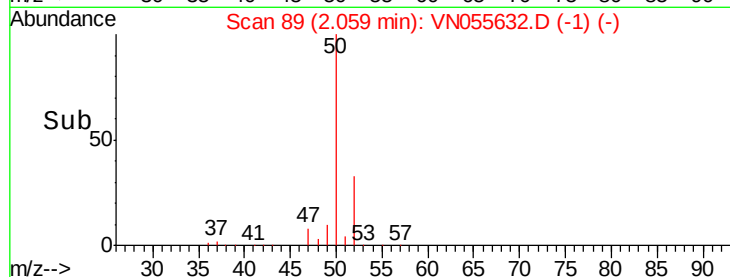
40000

20000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 47.331 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055632.D

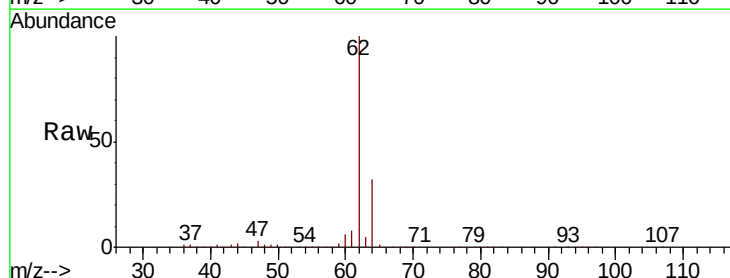
Acq: 17 May 2019 23:50

Tgt Ion: 62 Resp: 176618

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

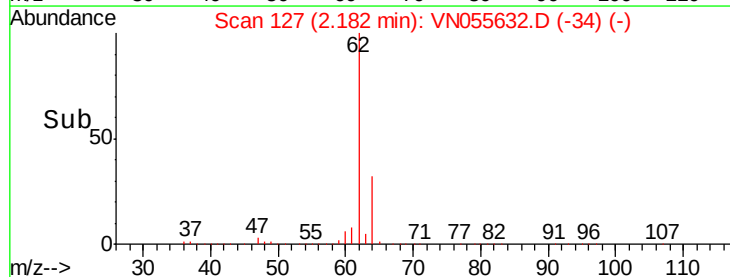
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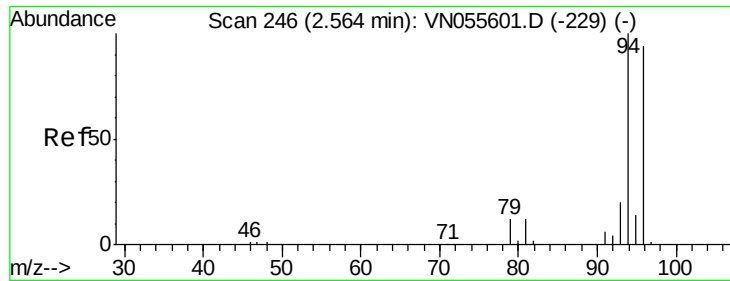
50000

0

Time-->

2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 48.402 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

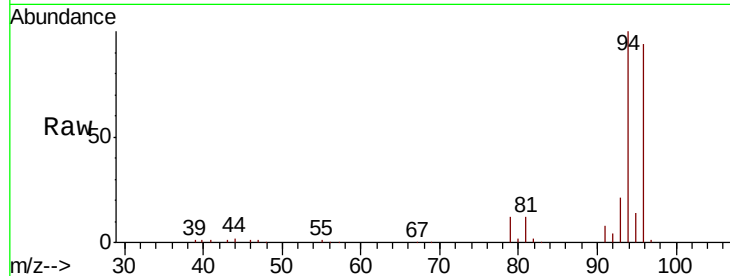
ClientSampled :

Tot Ion: 94 Resp: 115107

Ion Ratio Lower Upper

94 100

96 93.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

60000

50000

40000

30000

20000

10000

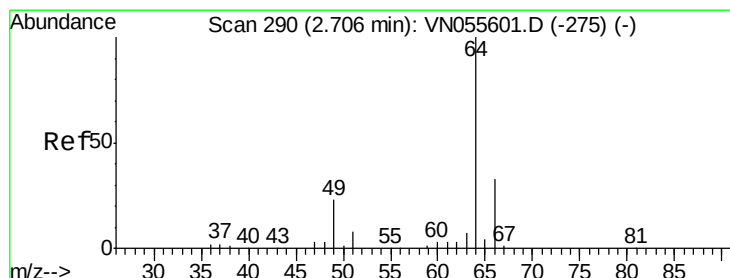
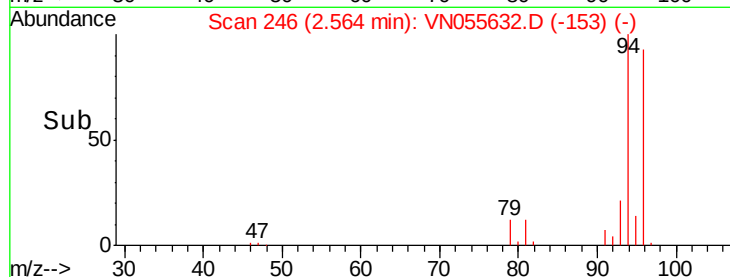
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Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 49.015 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN055632.D

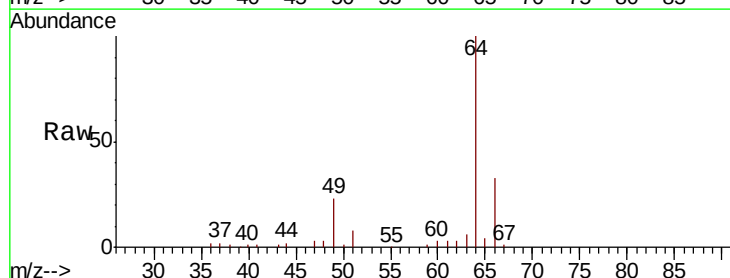
Acq: 17 May 2019 23:50

Tgt Ion: 64 Resp: 101556

Ion Ratio Lower Upper

64 100

66 32.8 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

60000

50000

40000

30000

20000

10000

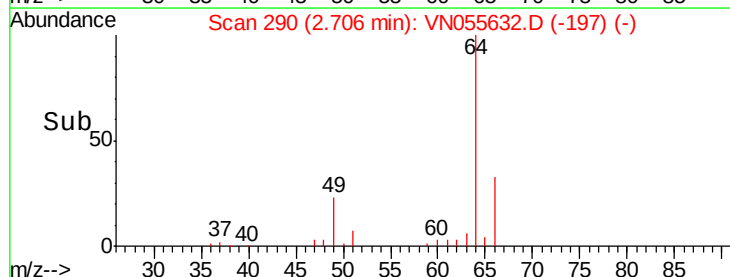
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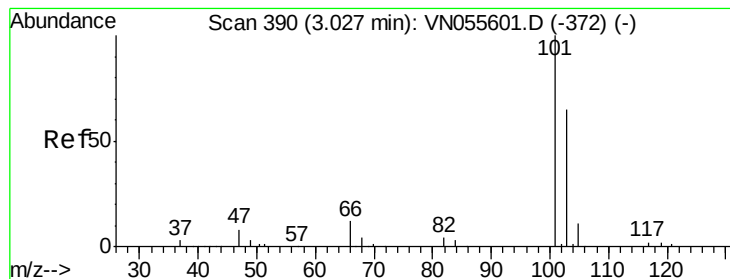
Time-->

2.60

2.70

2.80



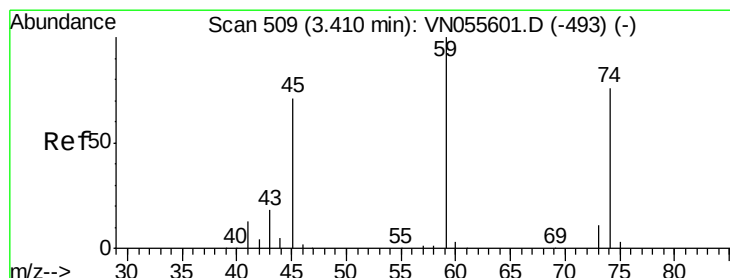
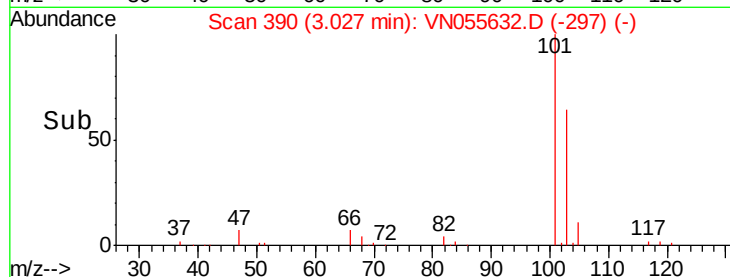
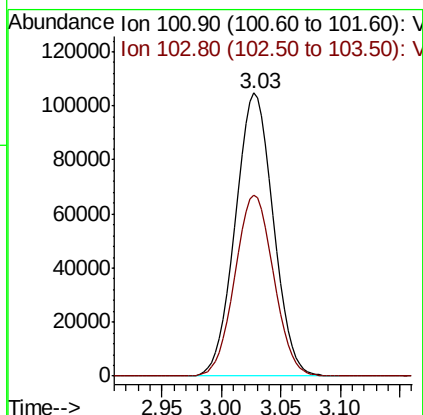
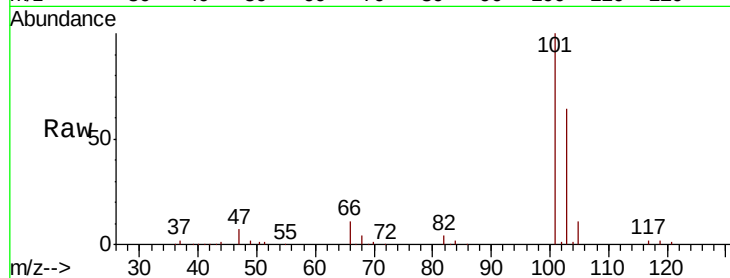


#7

Trichlorofluoromethane
 Concen: 48.509 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

Instrument :
 MSVOA_N
 ClientSampled :

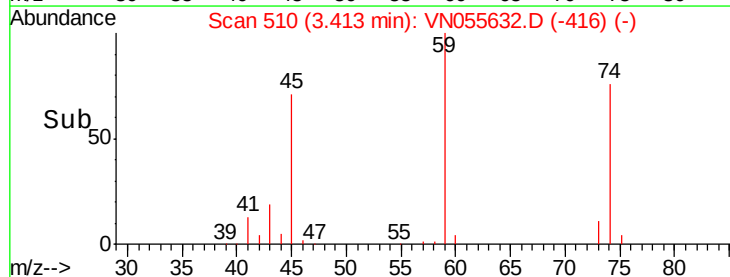
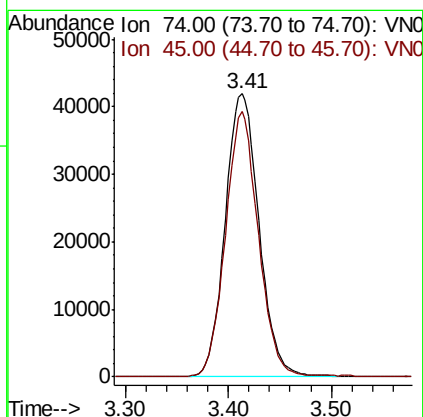
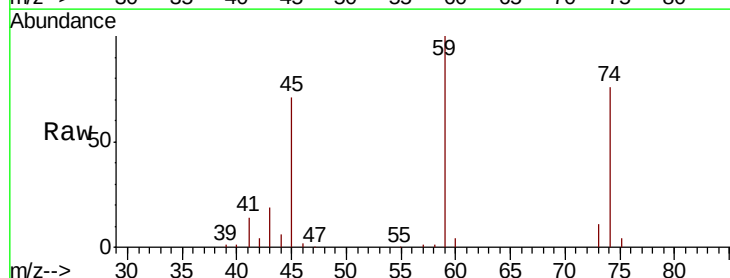
Tot Ion:101 Resp: 231966
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.3 78.5

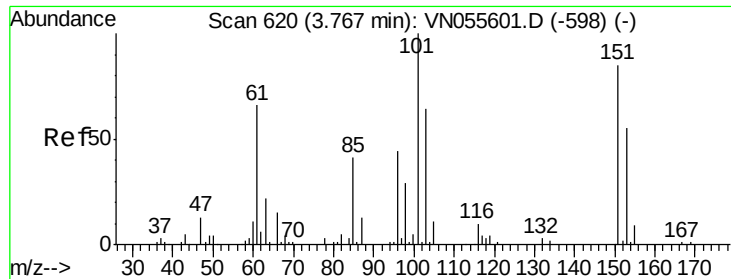


#8

Diethyl Ether
 Concen: 49.760 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

Tgt Ion: 74 Resp: 95588
 Ion Ratio Lower Upper
 74 100
 45 91.5 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.592 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

ClientSampleId :

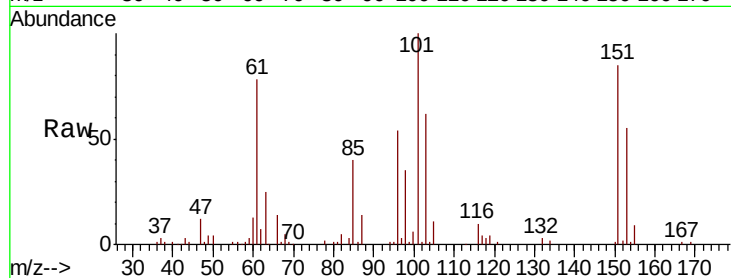
Tot Ion:101 Resp: 141658

Ion Ratio Lower Upper

101 100

85 40.3 33.4 50.0

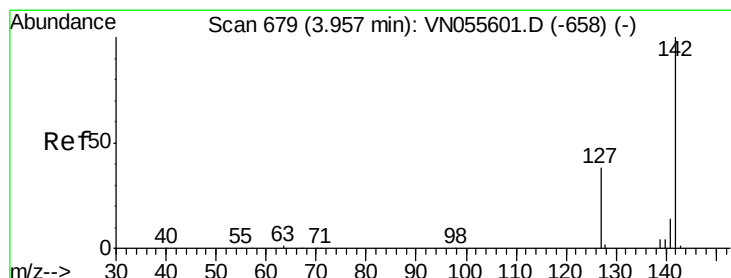
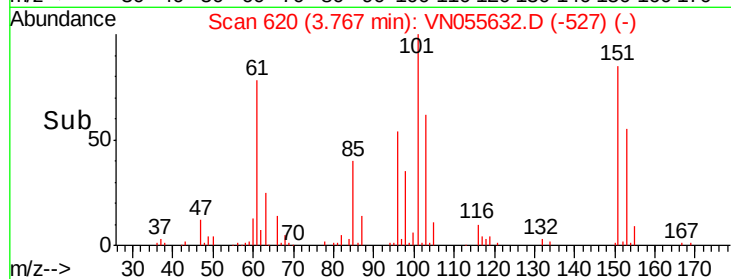
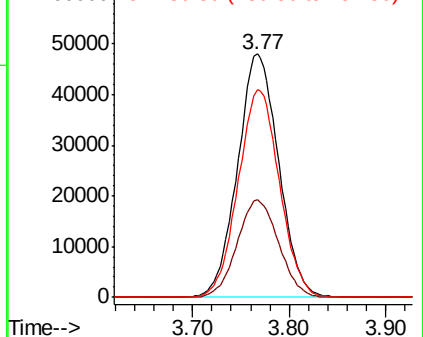
151 85.6 69.3 103.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.331 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

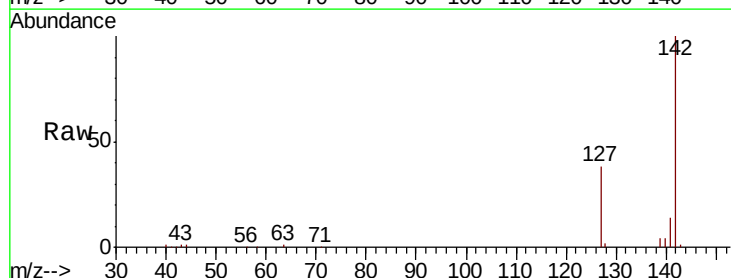
Tgt Ion:142 Resp: 203126

Ion Ratio Lower Upper

142 100

127 37.9 31.0 46.4

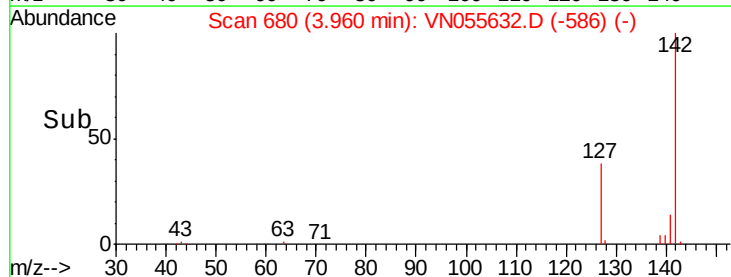
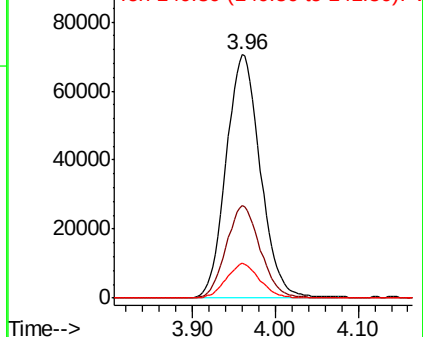
141 14.0 11.5 17.3

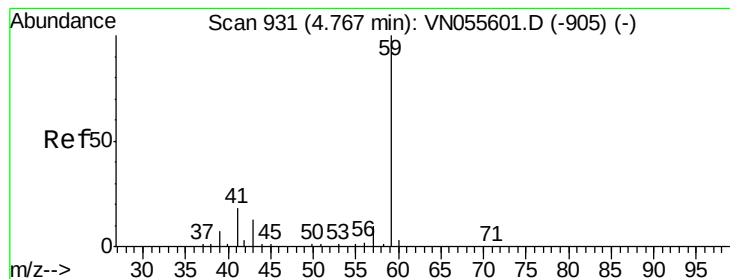


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



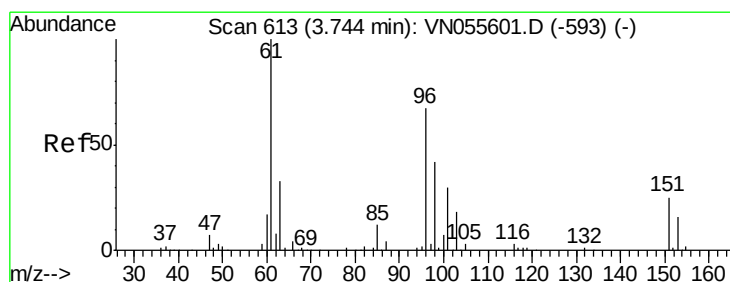
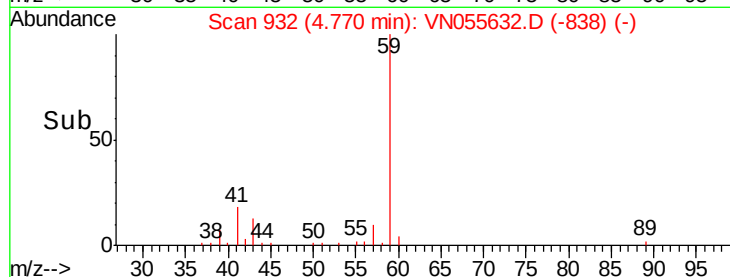
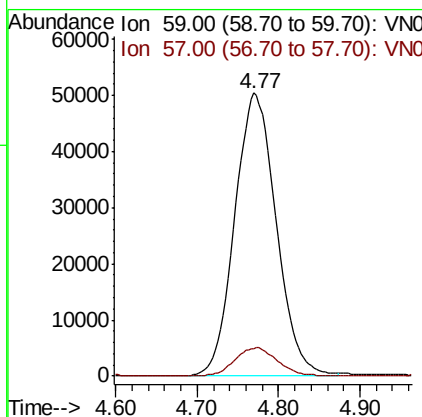
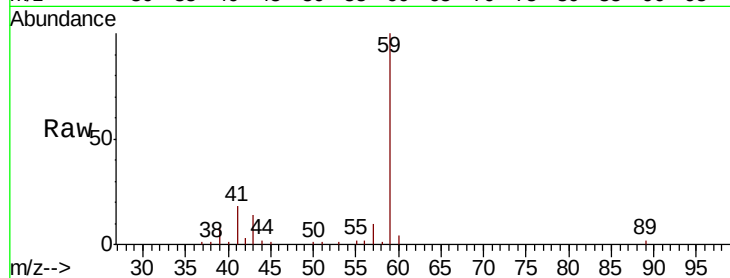


#11

Tert butyl alcohol
 Concen: 259.607 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

Instrument :
 MSVOA_N
 ClientSampleId :

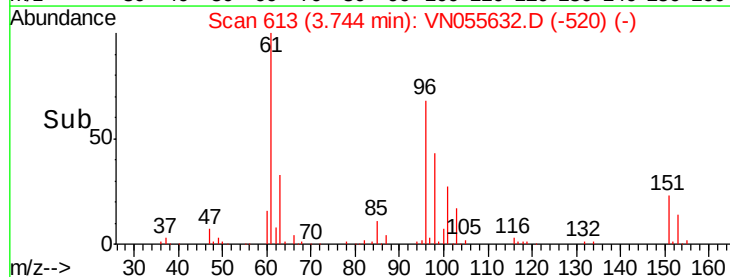
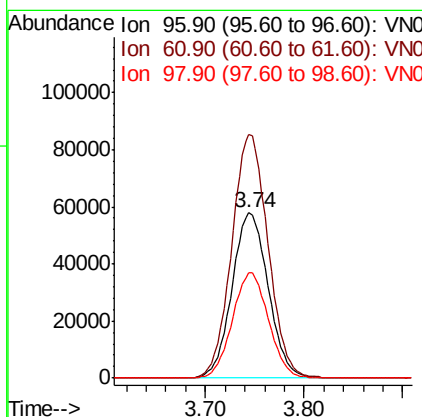
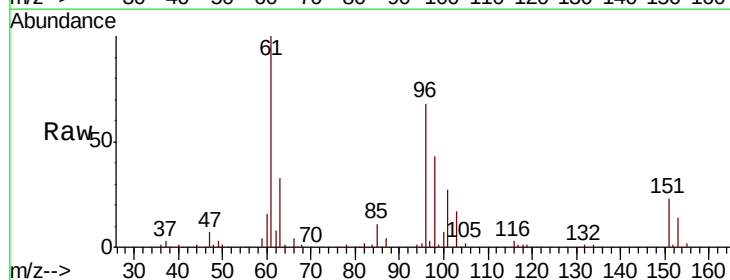
Tot Ion: 59 Resp: 178203
 Ion Ratio Lower Upper
 59 100
 57 10.3 7.8 11.6

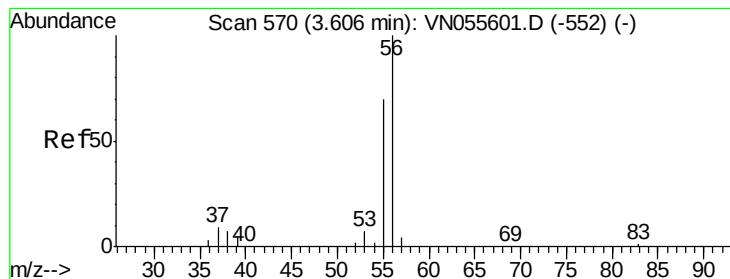


#12

1,1-Dichloroethene
 Concen: 48.220 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

Tgt Ion: 96 Resp: 147875
 Ion Ratio Lower Upper
 96 100
 61 147.4 120.2 180.2
 98 63.8 50.6 75.8





#13

Acrolein

Concen: 241.223 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

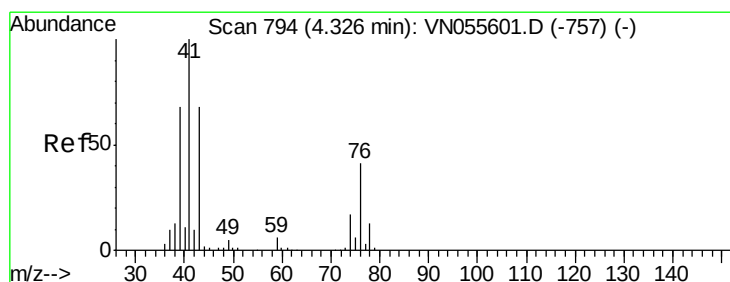
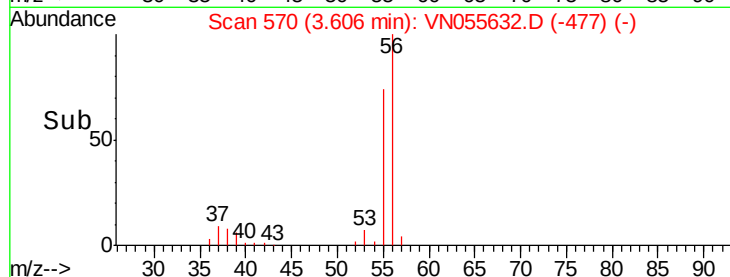
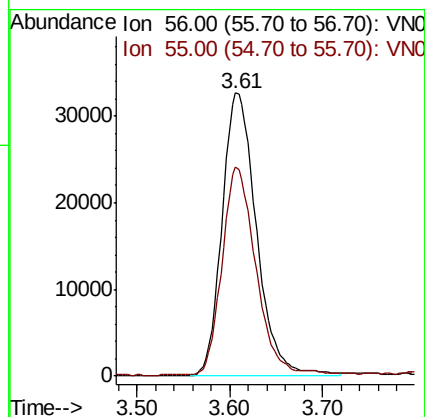
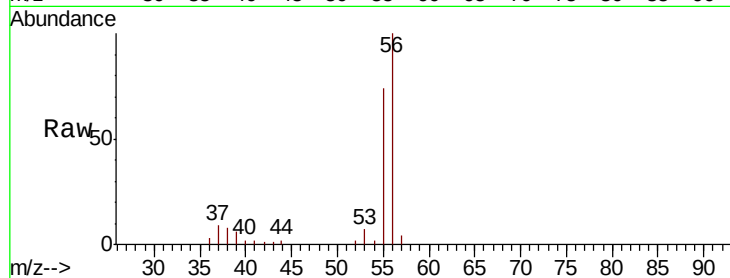
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 84446

Ion Ratio Lower Upper

56 100

55 71.4 56.5 84.7



#14

Allyl chloride

Concen: 42.467 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

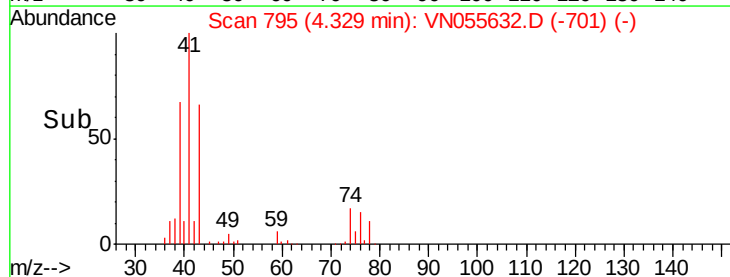
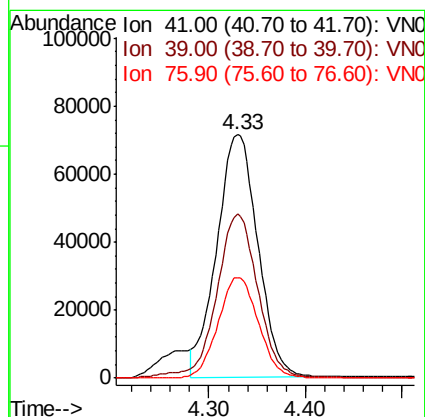
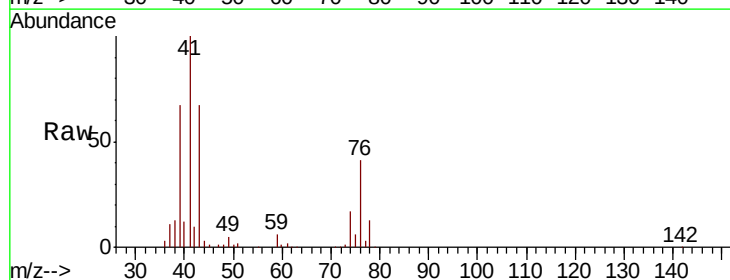
Tgt Ion: 41 Resp: 210240

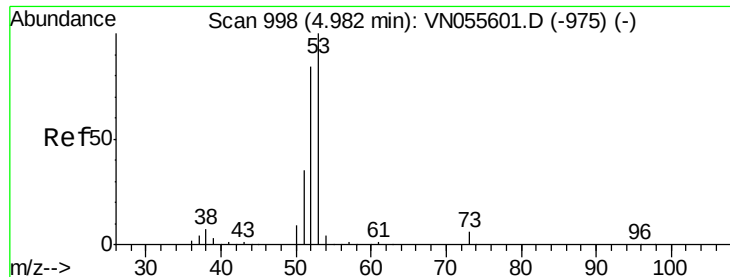
Ion Ratio Lower Upper

41 100

39 68.3 50.5 75.7

76 40.9 29.2 43.8





#15

Acrylonitrile

Concen: 256.839 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

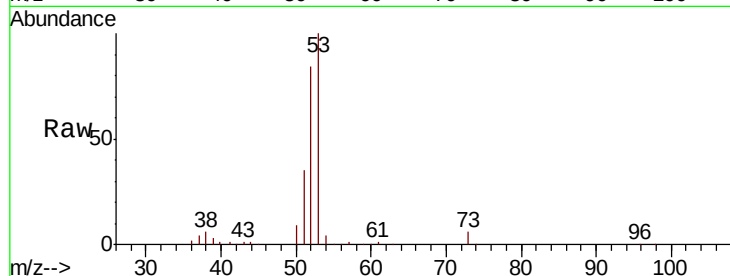
Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 392245

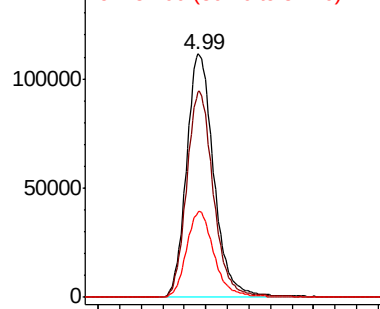
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.4
51	35.6	28.5	42.7



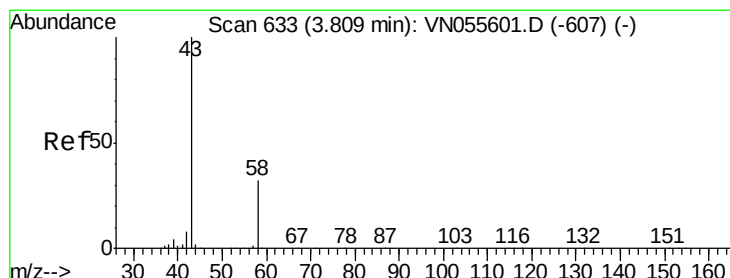
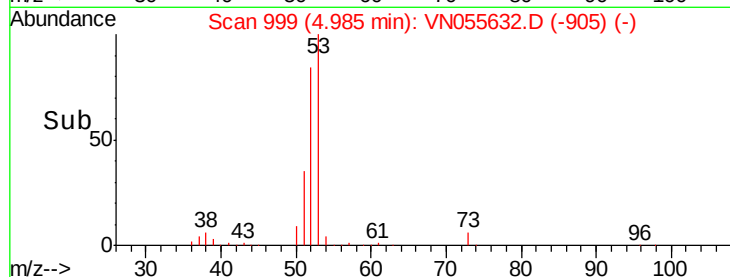
Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time--> 4.80 5.00 5.20



#16

Acetone

Concen: 212.567 ug/l

RT: 3.82 min Scan# 635

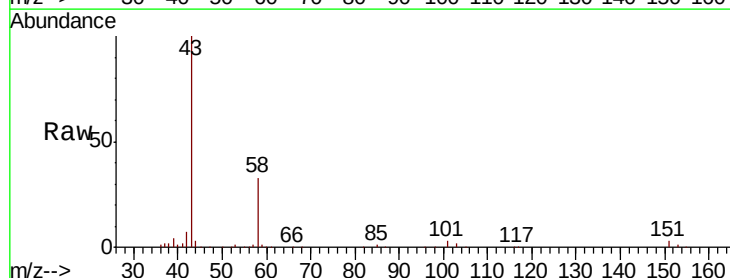
Delta R.T. 0.01 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

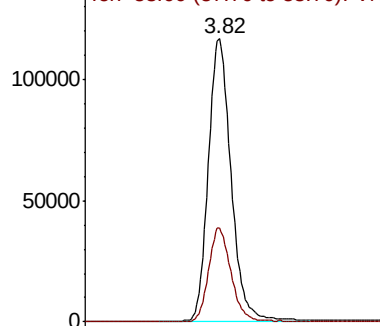
Tgt Ion: 43 Resp: 319313

Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.0	39.0

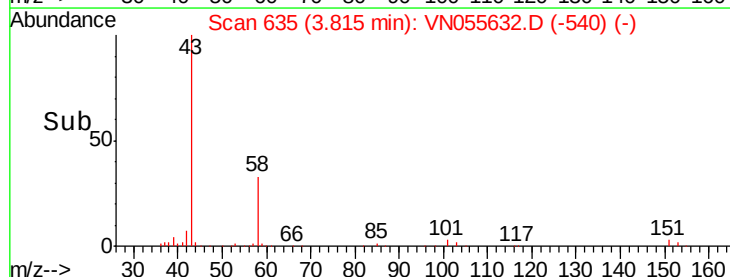


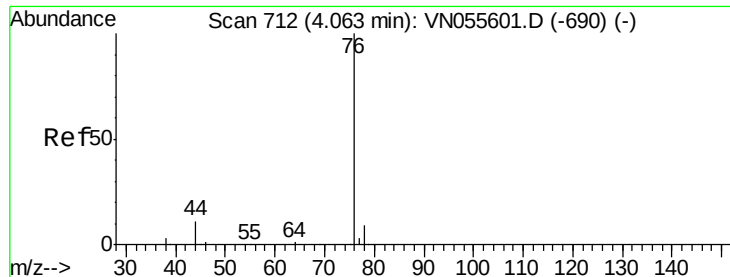
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 3.60 3.70 3.80 3.90 4.00

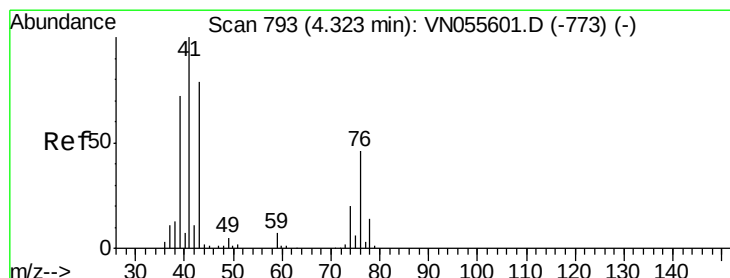
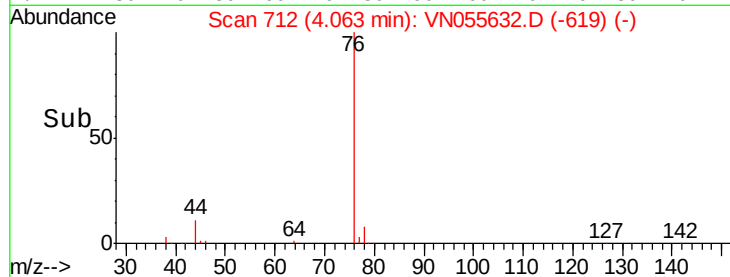
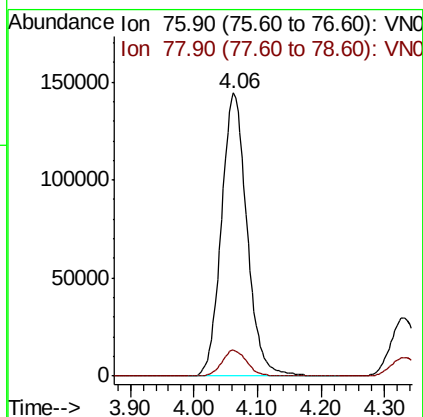
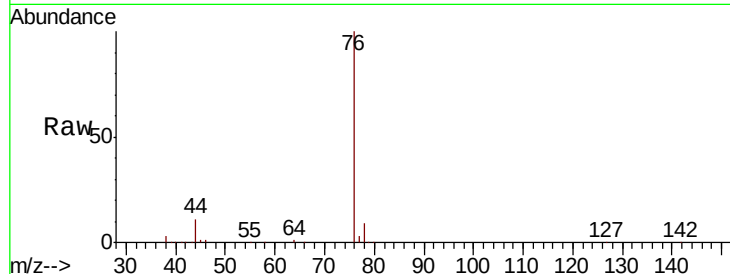




#17
Carbon Disulfide
Concen: 47.192 ug/l
RT: 4.06 min Scan# 712
Delta R.T. -0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

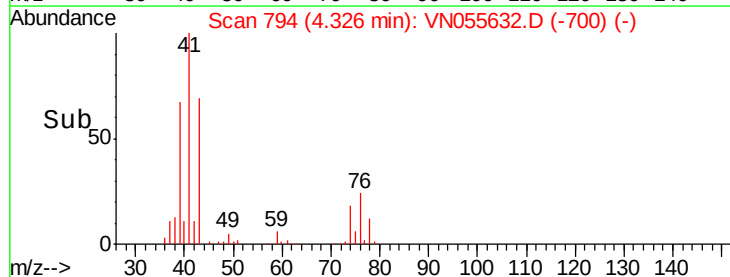
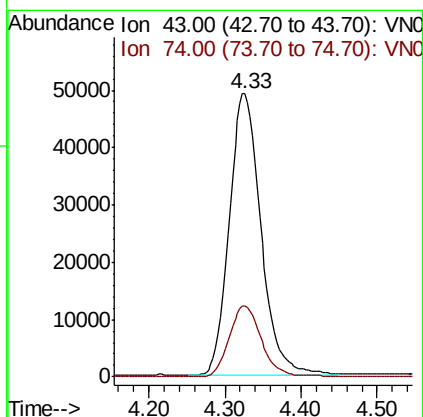
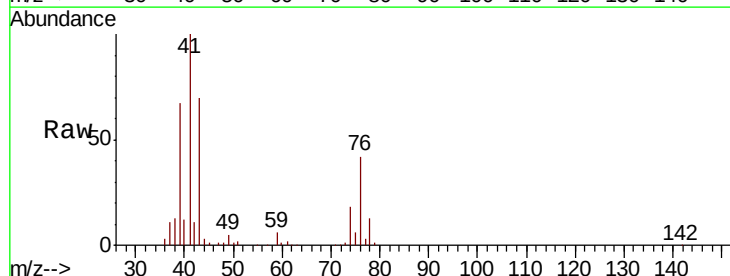
Instrument :
MSVOA_N
ClientSampled :

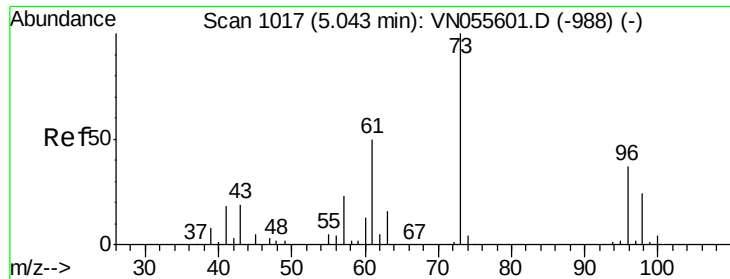
Tot Ion: 76 Resp: 402317
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 44.371 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

Tgt Ion: 43 Resp: 142894
Ion Ratio Lower Upper
43 100
74 25.7 19.9 29.9



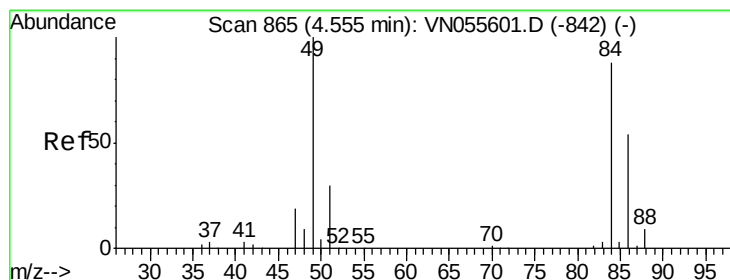
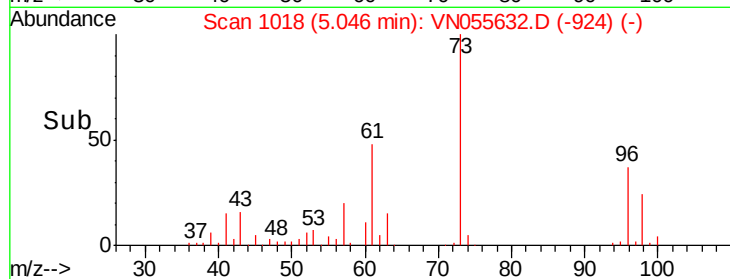
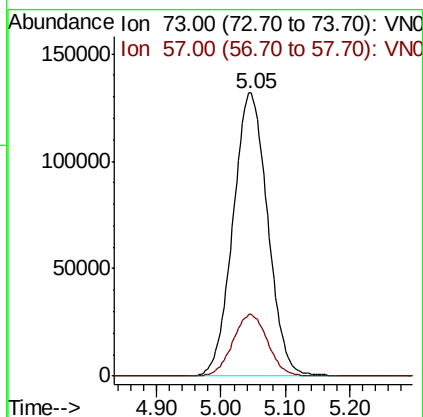
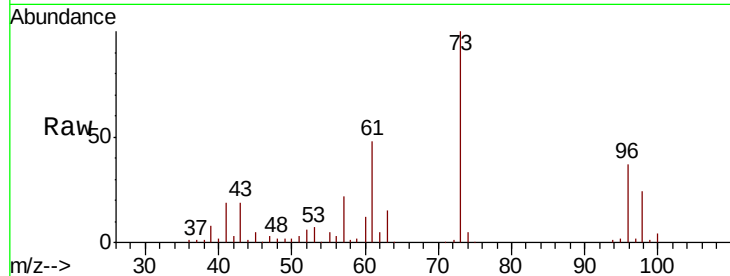


#19

Methyl tert-butyl Ether
 Concen: 48.664 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

Instrument :
 MSVOA_N
 ClientSampled :

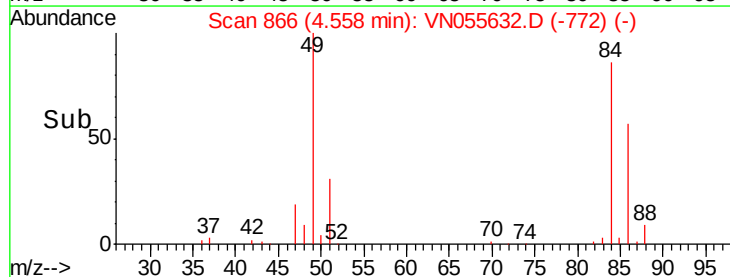
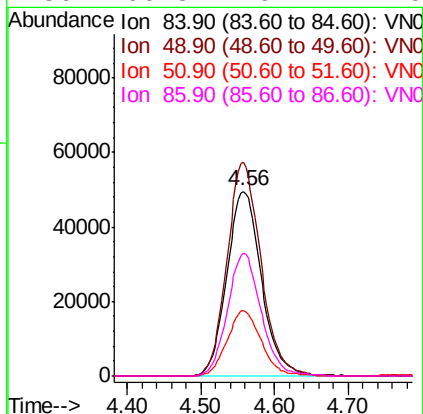
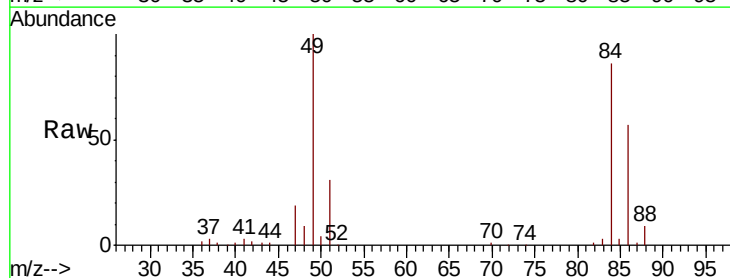
Tot Ion: 73 Resp: 493709
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.2 27.2

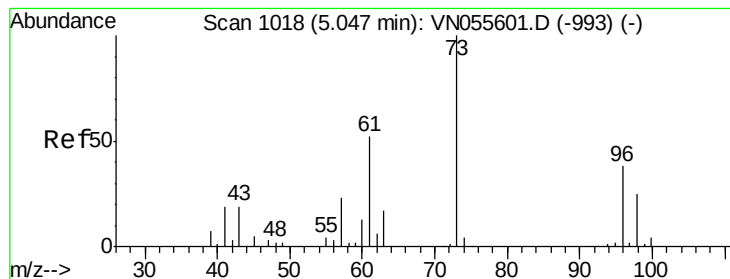


#20

Methylene Chloride
 Concen: 47.169 ug/l
 RT: 4.56 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

Tgt Ion: 84 Resp: 161705
 Ion Ratio Lower Upper
 84 100
 49 115.7 91.0 136.4
 51 35.5 27.5 41.3
 86 66.3 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 48.177 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :
MSVOA_N
ClientSampled :

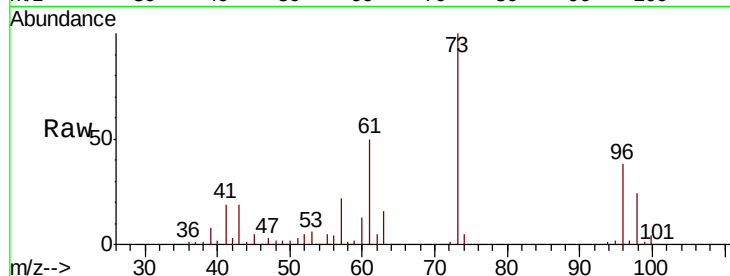
Tot Ion: 96 Resp: 157386

Ion Ratio Lower Upper

96 100

61 131.9 108.6 162.8

98 64.0 51.4 77.0

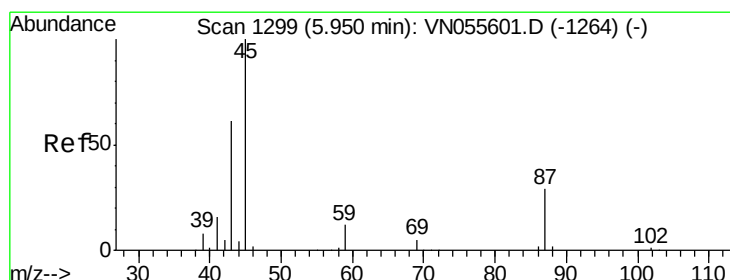
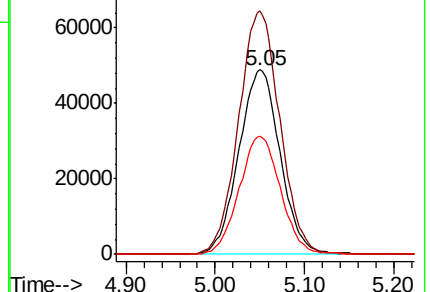
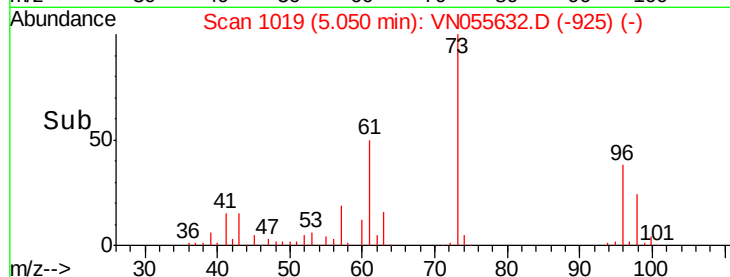


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 47.627 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Tgt Ion: 45 Resp: 467224

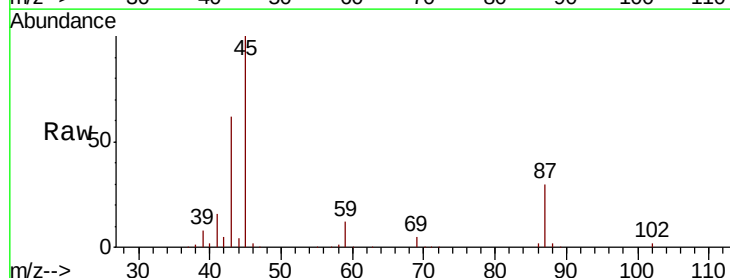
Ion Ratio Lower Upper

45 100

43 60.0 50.4 75.6

87 29.9 23.8 35.6

59 12.2 9.5 14.3



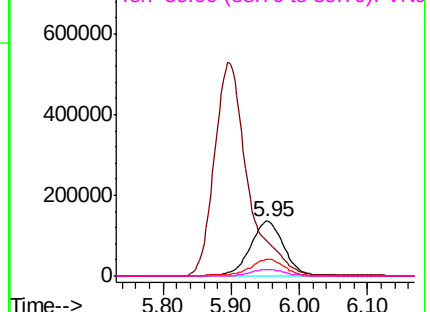
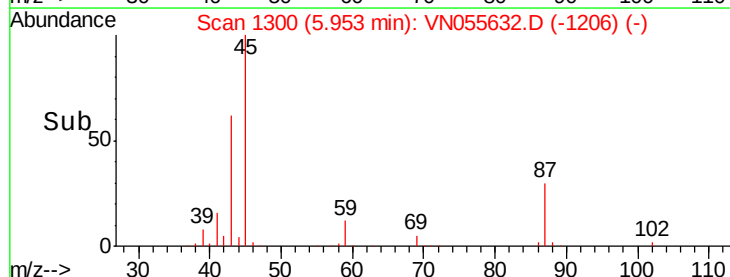
Abundance

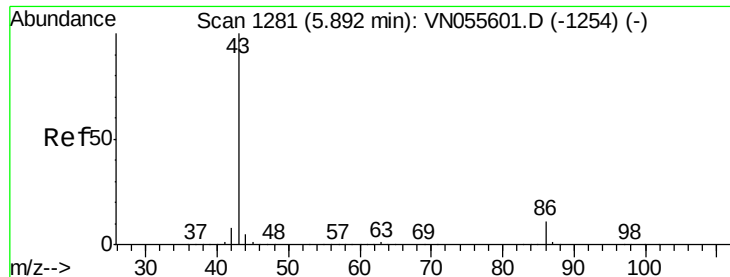
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 216.591 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

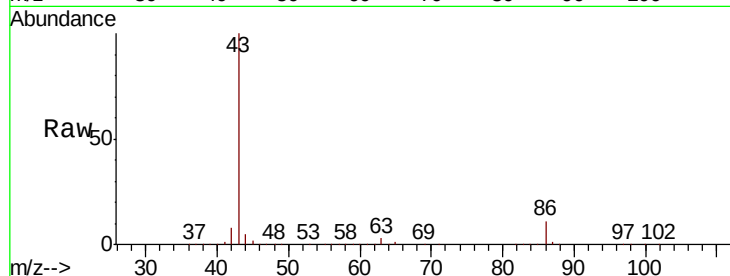
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1802910

Ion Ratio Lower Upper

43 100

86 11.2 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN055601.D (-1254) (-)

5.90

600000

500000

400000

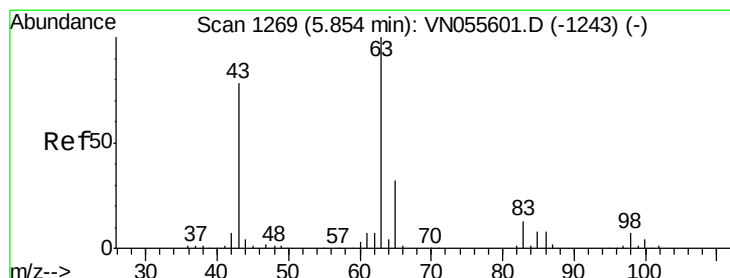
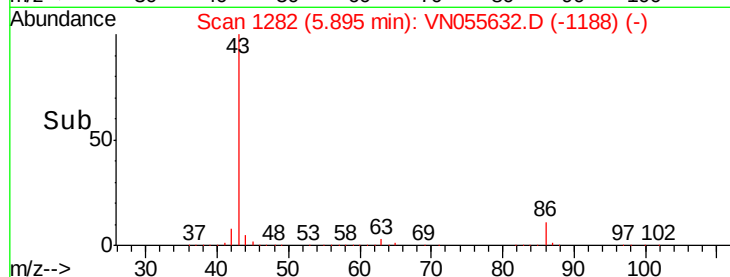
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 48.233 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

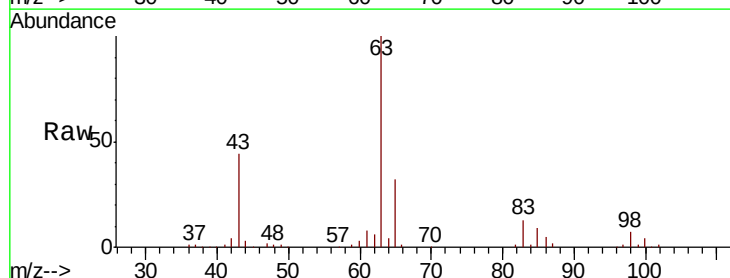
Tgt Ion: 63 Resp: 277441

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

100 4.5 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055601.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN055601.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN055601.D (-1243) (-)

5.85

120000

100000

80000

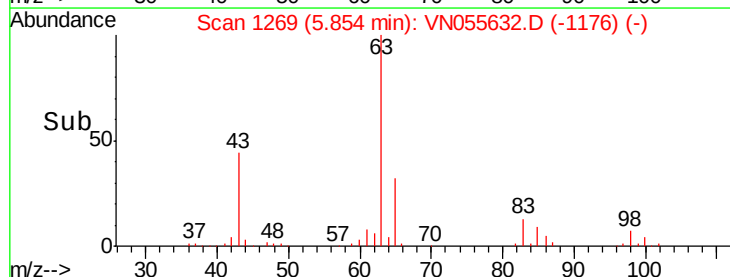
60000

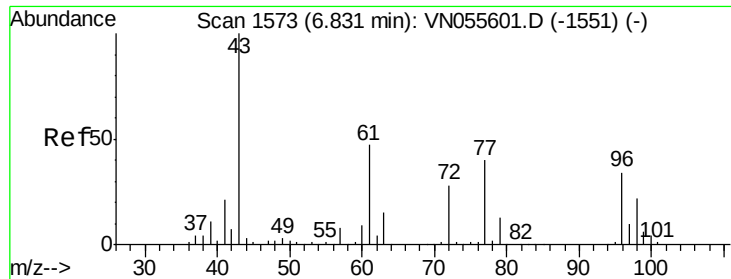
40000

20000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 243.932 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

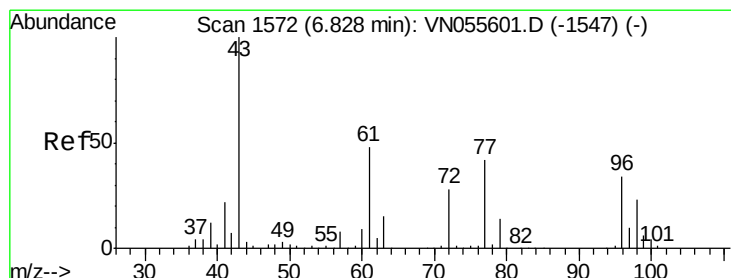
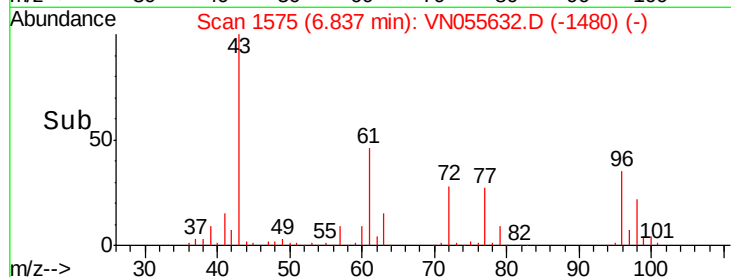
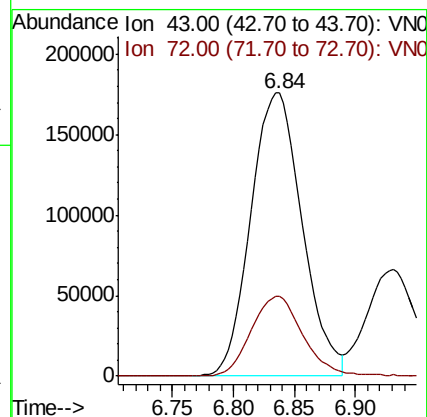
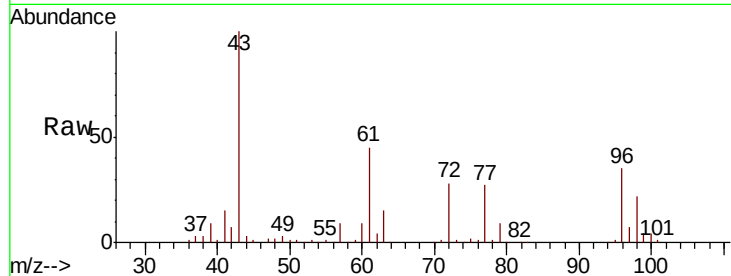
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 512347

Ion Ratio Lower Upper

43 100

72 28.4 22.3 33.5



#26

2,2-Dichloropropane

Concen: 32.689 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055632.D

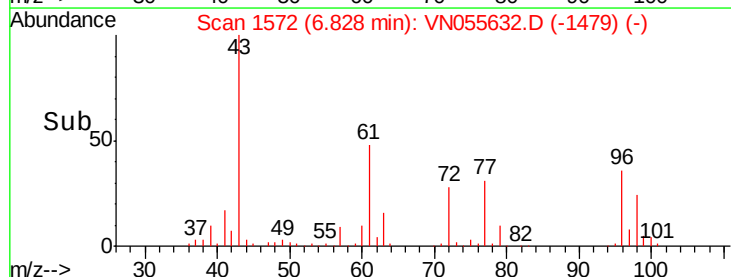
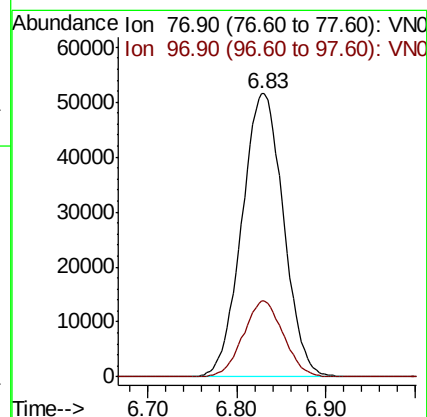
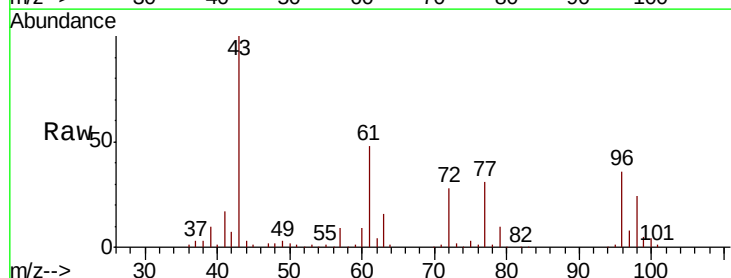
Acq: 17 May 2019 23:50

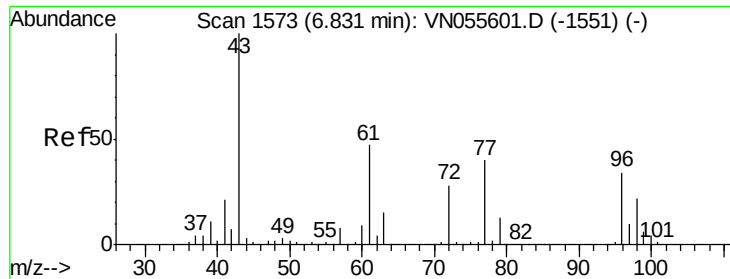
Tgt Ion: 77 Resp: 166878

Ion Ratio Lower Upper

77 100

97 25.9 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 47.920 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :
MSVOA_N
ClientSampled :

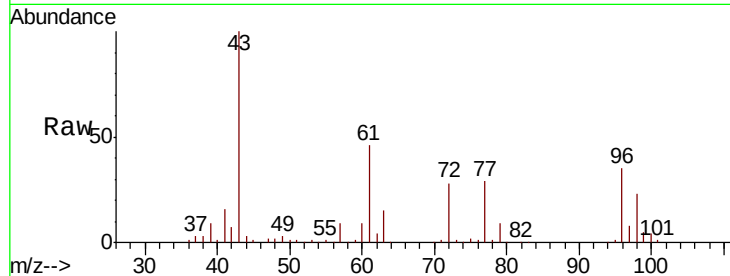
Tot Ion: 96 Resp: 182290

Ion Ratio Lower Upper

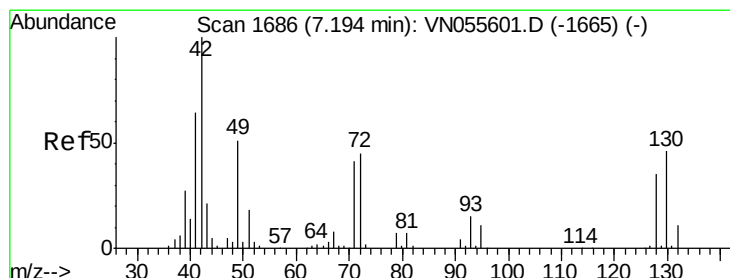
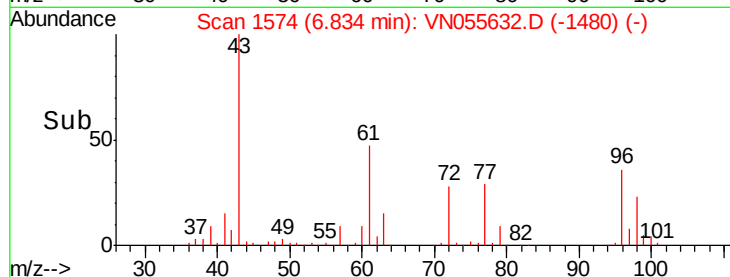
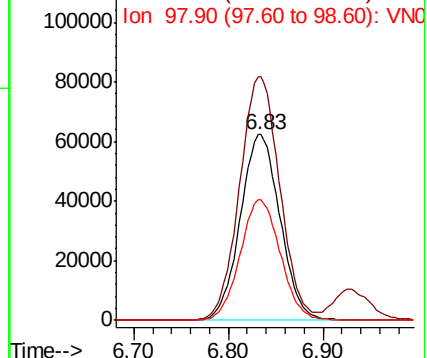
96 100

61 132.3 0.0 279.0

98 65.5 0.0 131.6



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: 50.467 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

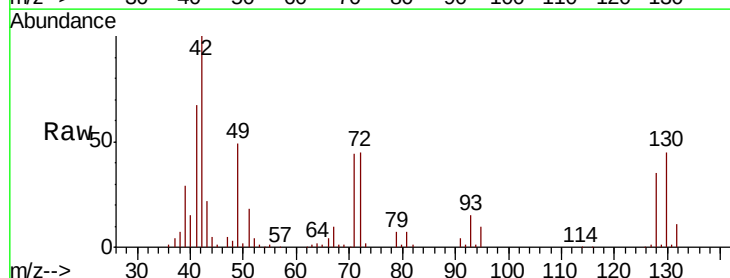
Tgt Ion: 49 Resp: 126291

Ion Ratio Lower Upper

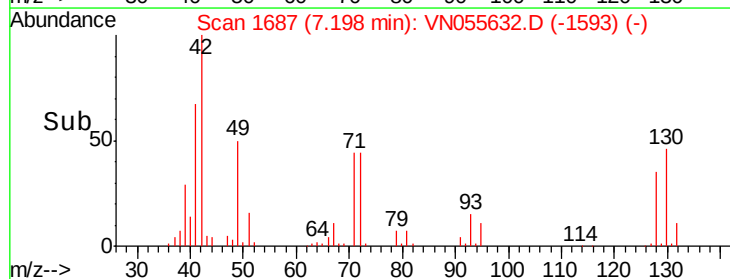
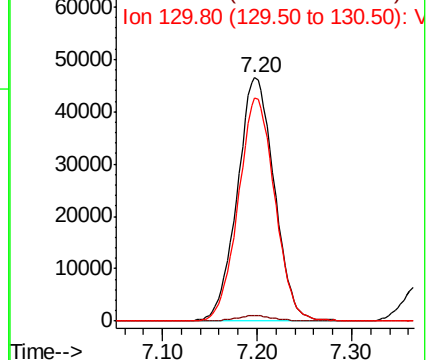
49 100

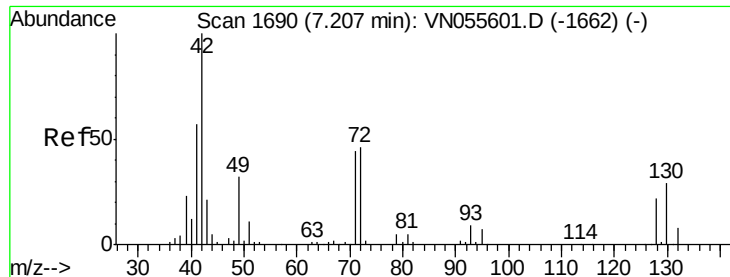
129 2.2 0.0 4.4

130 90.5 71.0 106.6



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

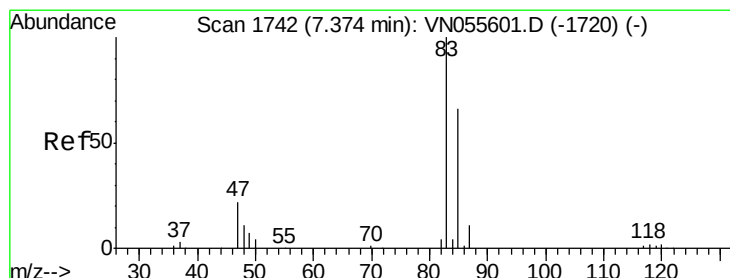
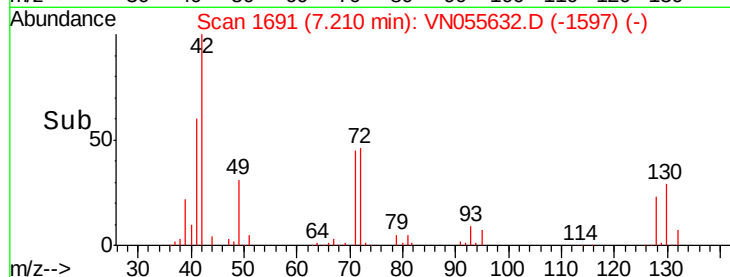
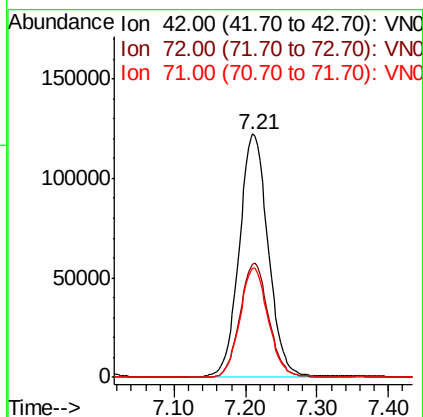
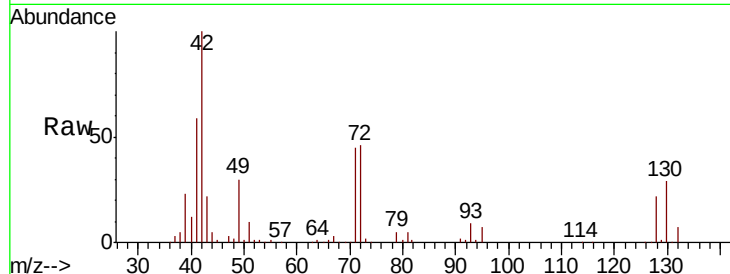




#29
Tetrahydrofuran
Concen: 248.045 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

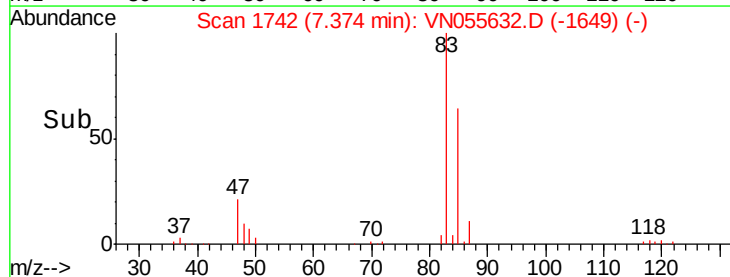
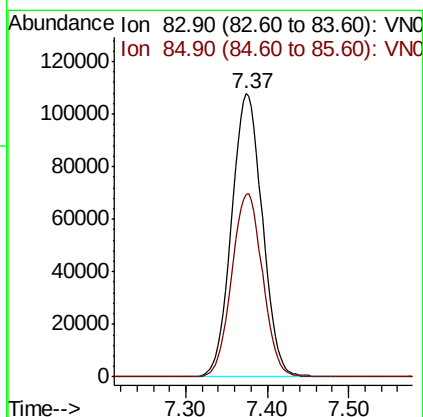
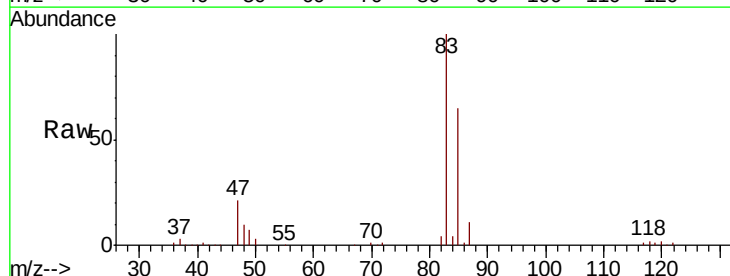
Instrument :
MSVOA_N
ClientSampleId :

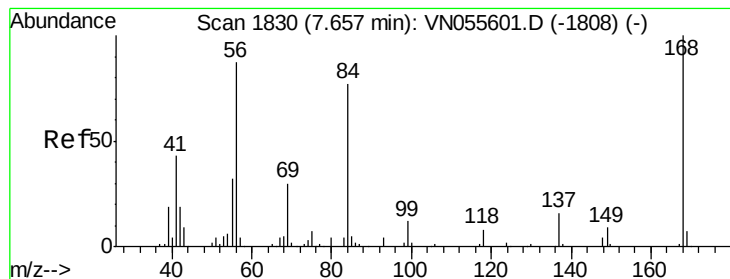
Tot Ion: 42 Resp: 345158
Ion Ratio Lower Upper
42 100
72 46.7 36.5 54.7
71 44.2 34.9 52.3



#30
Chloroform
Concen: 48.049 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

Tgt Ion: 83 Resp: 283701
Ion Ratio Lower Upper
83 100
85 64.5 52.6 78.8





#31

Cyclohexane

Concen: 45.710 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

ClientSampleId :

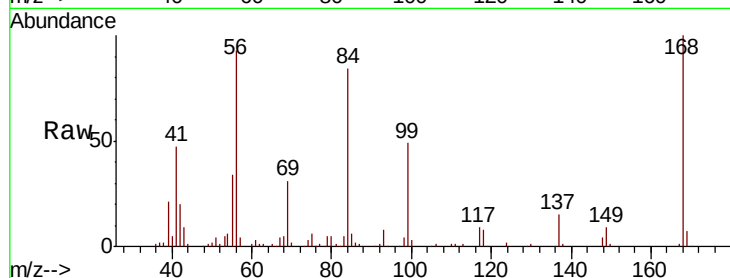
Tot Ion: 56 Resp: 249539

Ion Ratio Lower Upper

56 100

69 33.9 27.2 40.8

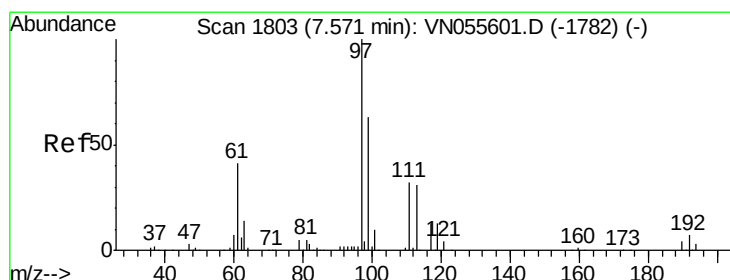
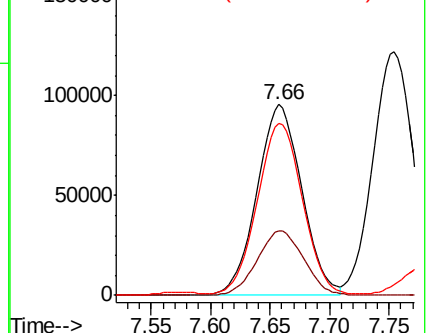
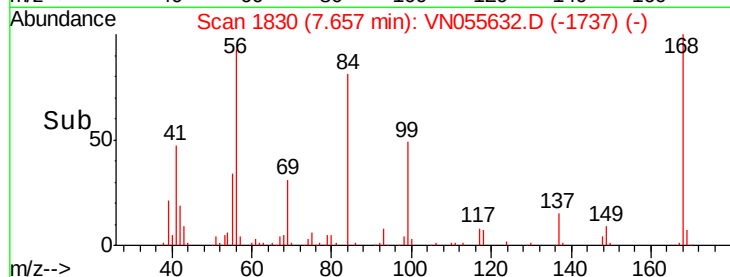
84 88.9 71.3 106.9



Abundance Ion 56.00 (55.70 to 56.70): VN055632.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN055632.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN055632.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 47.616 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

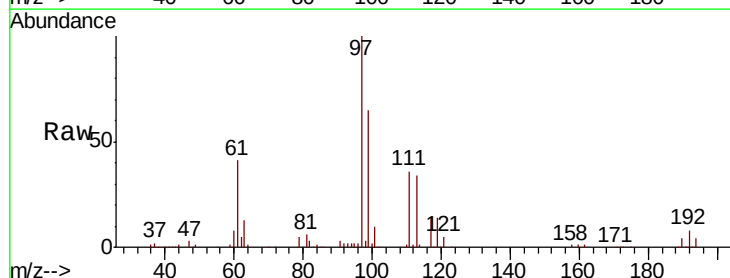
Tgt Ion: 97 Resp: 252167

Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.2

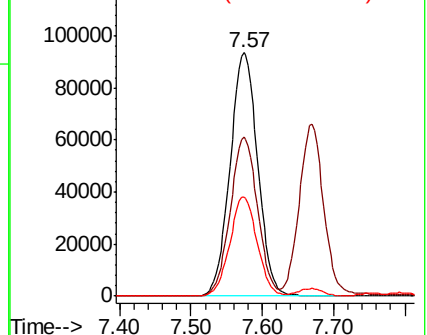
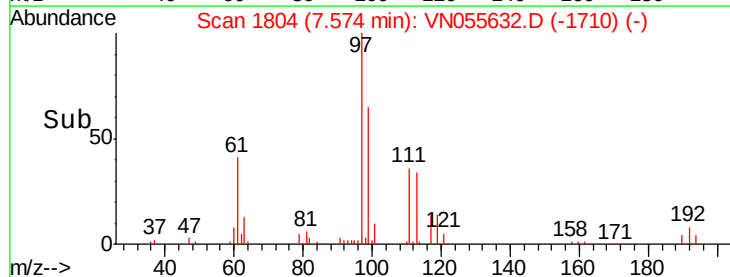
61 40.3 32.9 49.3

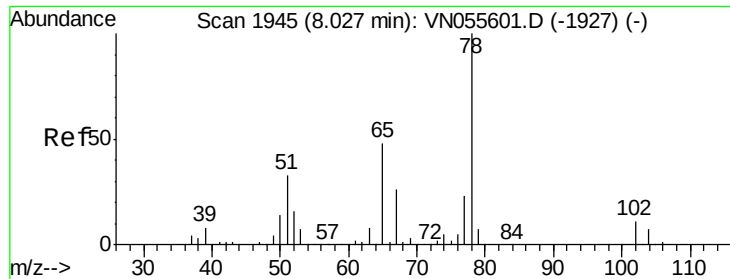


Abundance Ion 96.90 (96.60 to 97.60): VN055632.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN055632.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN055632.D (-1710) (-)

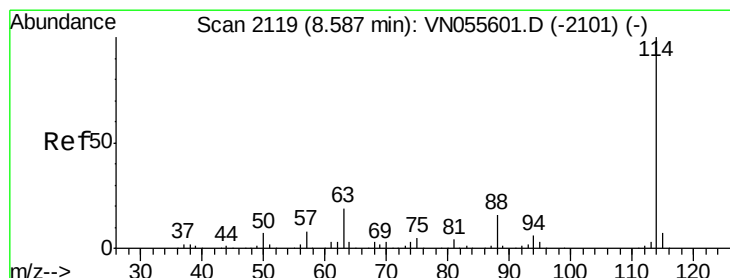
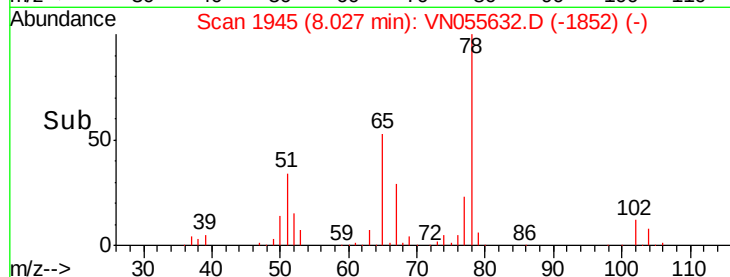
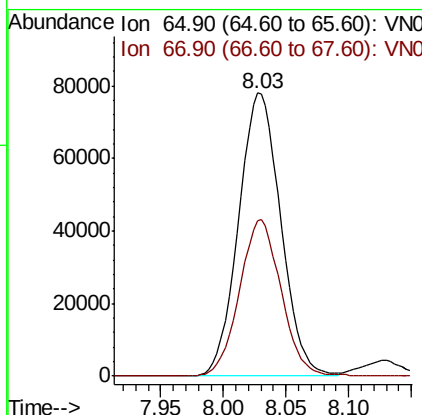
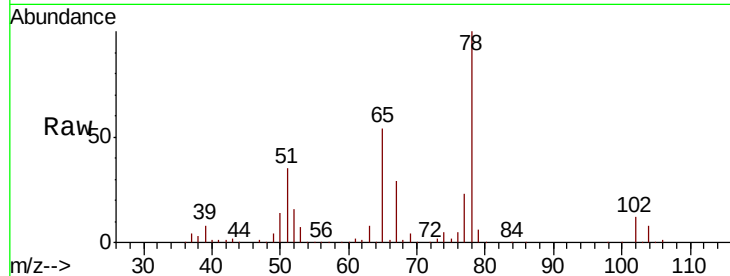




#33
 1,2-Dichloroethane-d4
 Concen: 49.623 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

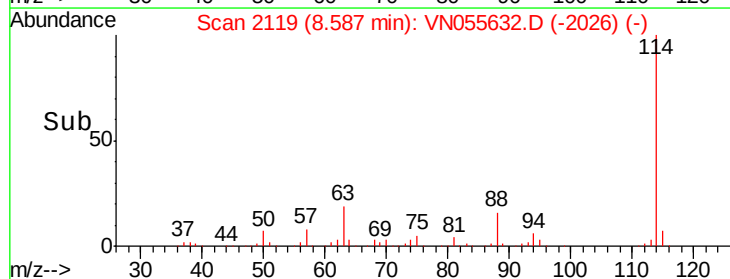
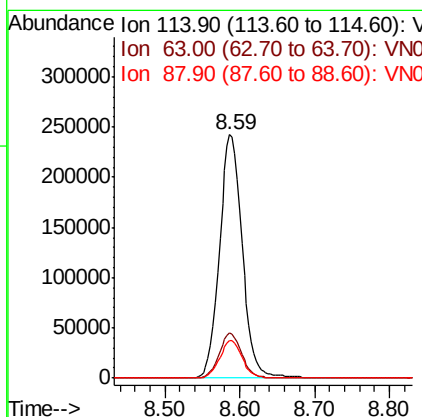
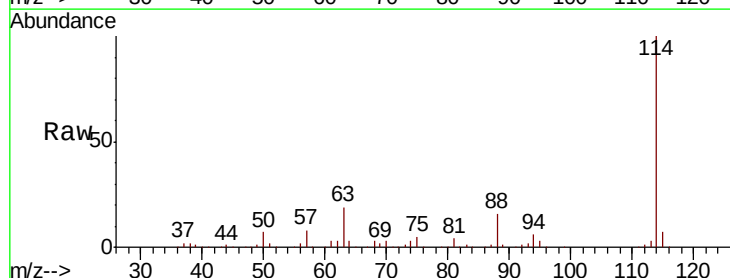
Instrument :
 MSVOA_N
 ClientSampled :

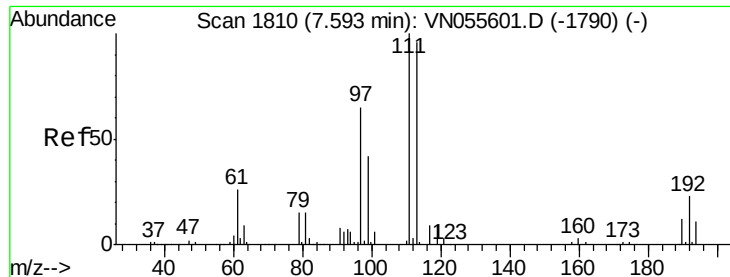
Tot Ion: 65 Resp: 182659
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

Tgt Ion: 114 Resp: 509566
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.2
 88 15.5 0.0 31.0

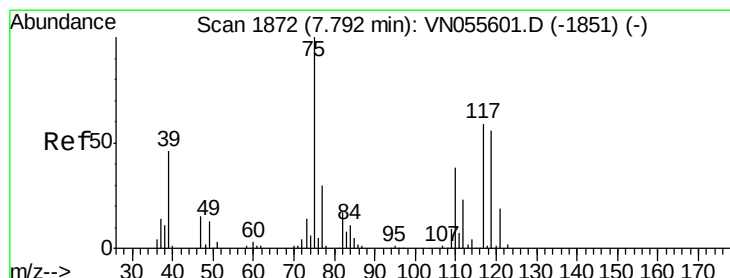
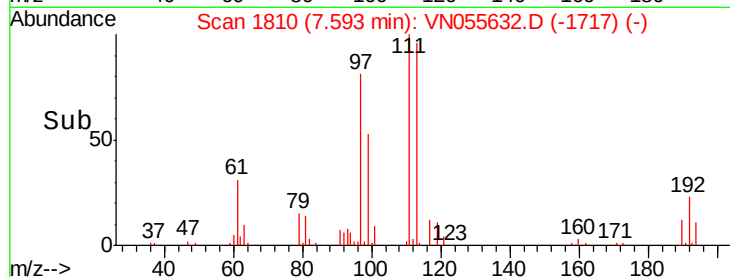
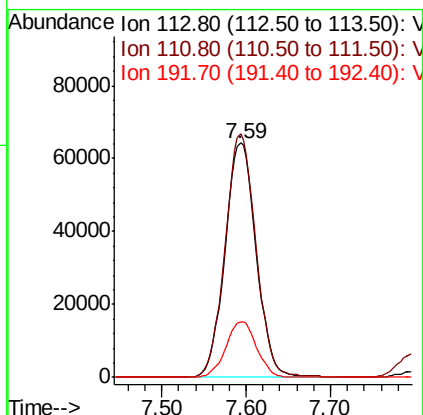
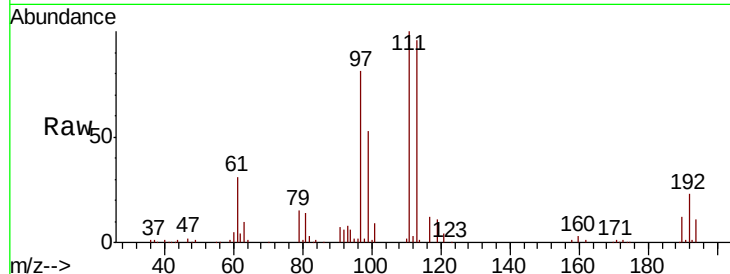




#35
 Dibromofluoromethane
 Concen: 51.061 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

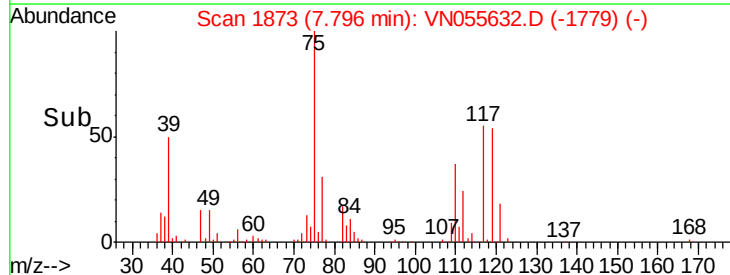
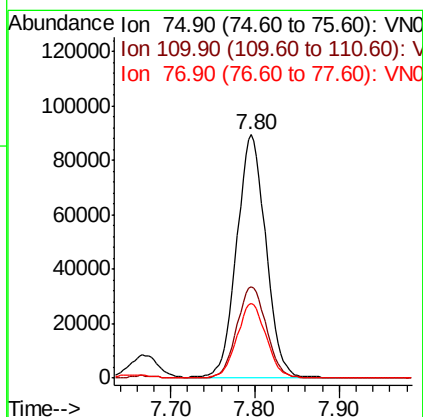
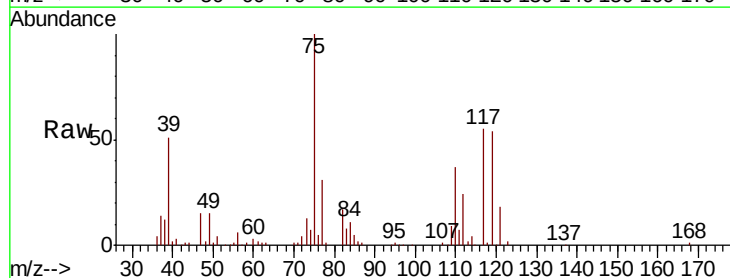
Instrument :
 MSVOA_N
 ClientSampleId :

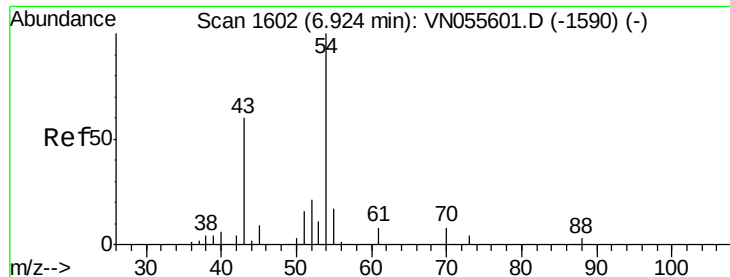
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.5	123.7
192	23.4	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 47.657 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	18.6	55.6
77	30.9	24.9	37.3

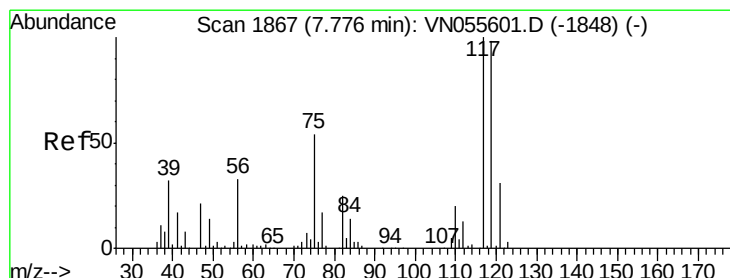
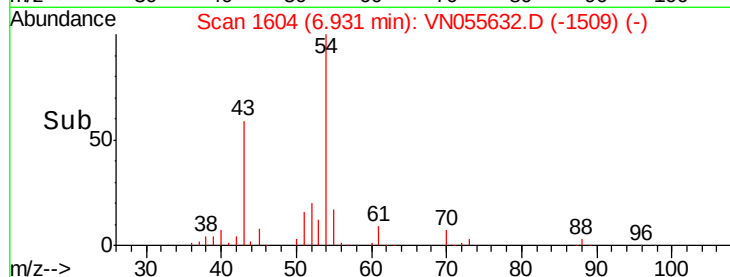
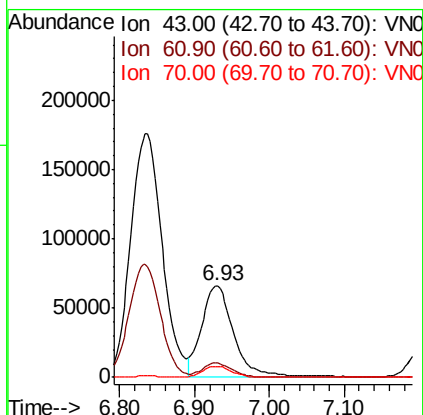
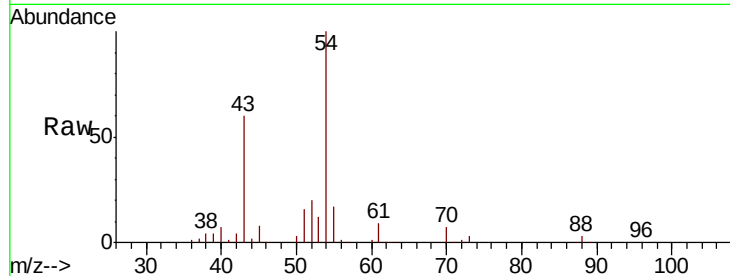




#37
Ethyl Acetate
Concen: 46.822 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

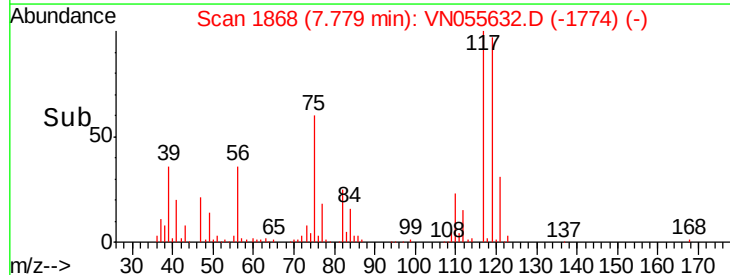
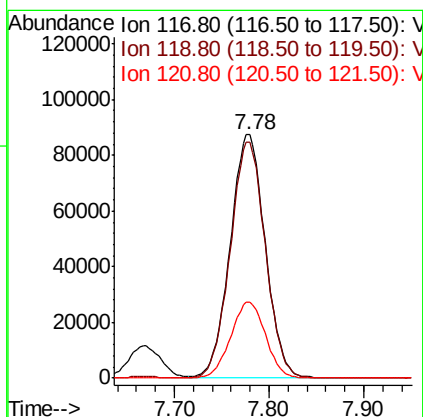
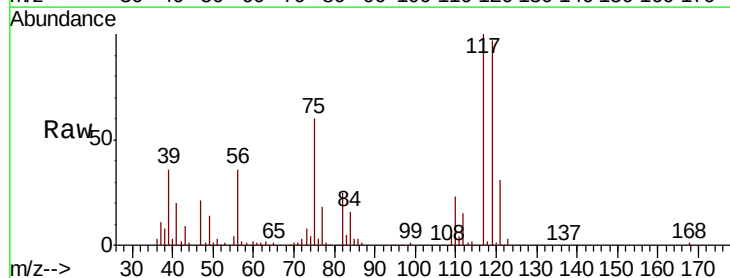
Instrument :
MSVOA_N
ClientSampled :

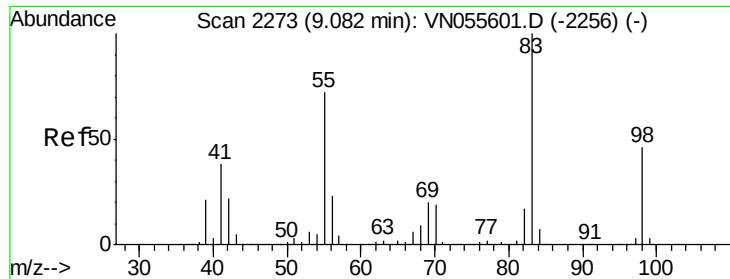
Tot Ion: 43 Resp: 191950
Ion Ratio Lower Upper
43 100
61 14.2 11.4 17.0
70 11.6 9.2 13.8



#38
Carbon Tetrachloride
Concen: 46.431 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

Tgt Ion: 117 Resp: 225411
Ion Ratio Lower Upper
117 100
119 96.7 77.8 116.8
121 31.1 24.6 37.0

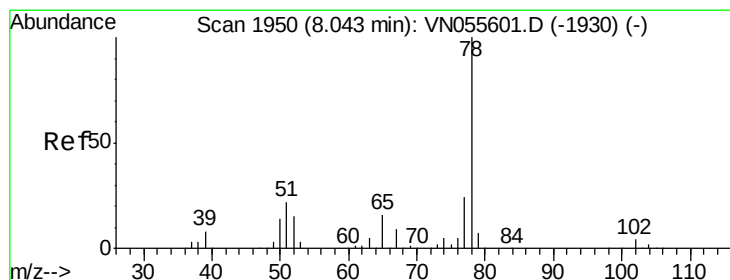
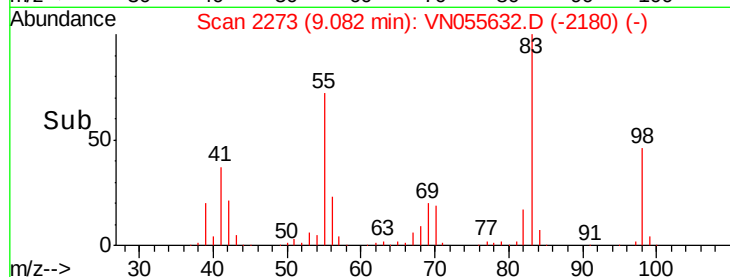
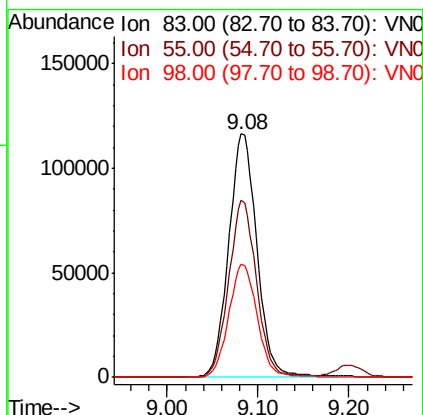
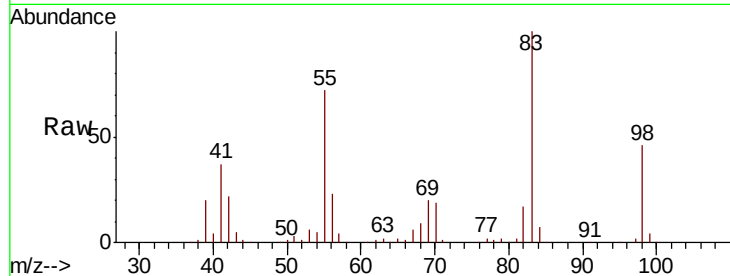




#39
Methylvlcyclohexane
Concen: 46.004 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

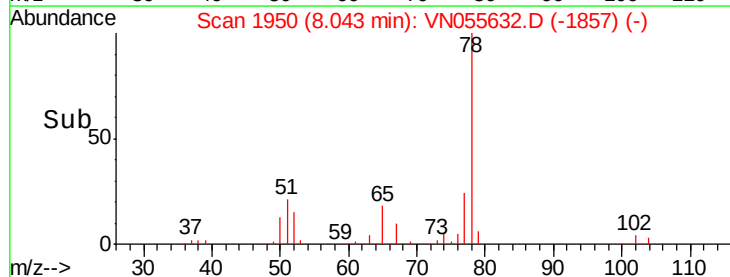
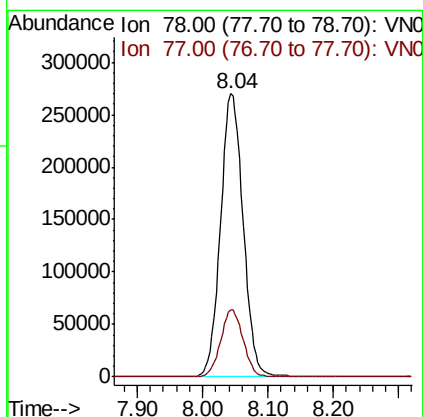
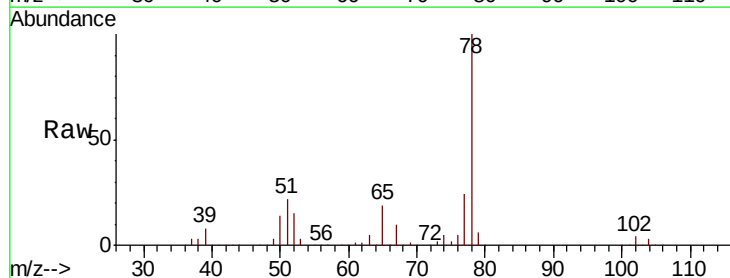
Instrument :
MSVOA_N
ClientSampled :

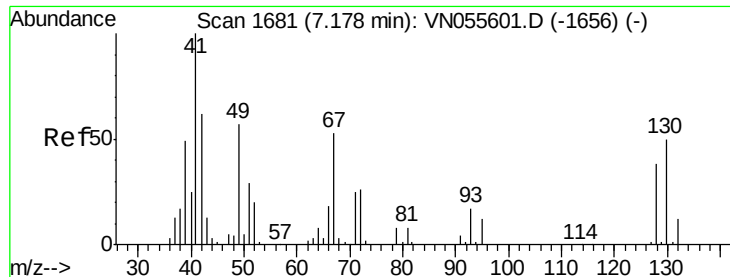
Tot Ion: 83 Resp: 251947
Ion Ratio Lower Upper
83 100
55 72.3 57.8 86.6
98 46.4 36.7 55.1



#40
Benzene
Concen: 48.637 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

Tgt Ion: 78 Resp: 649923
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3

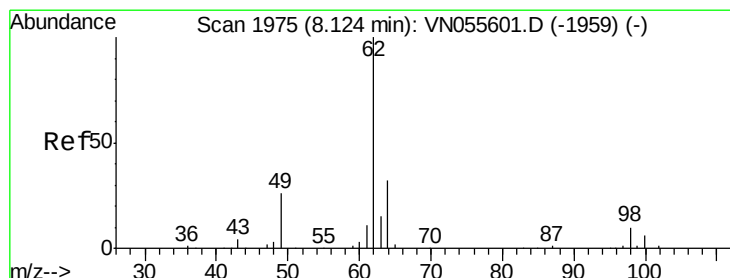
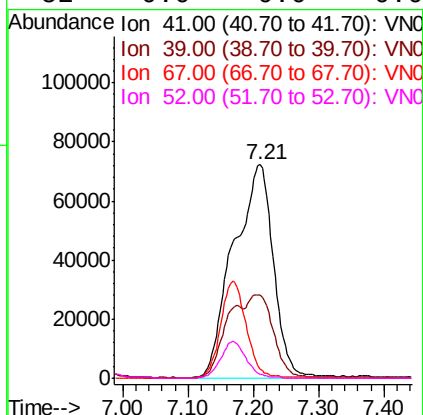
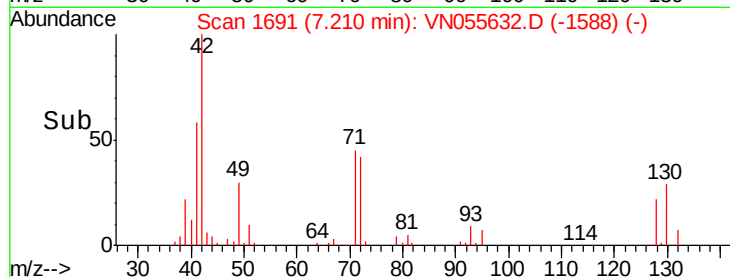
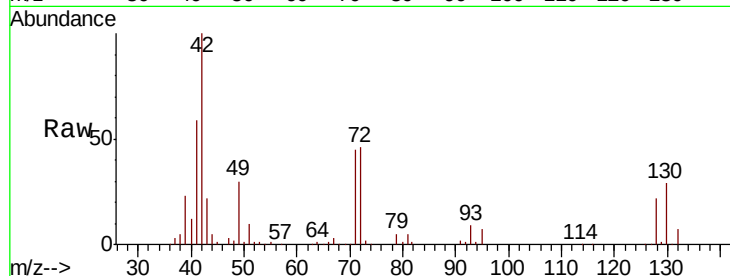




#41
Methacrylonitrile
Concen: 174.604 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.03 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

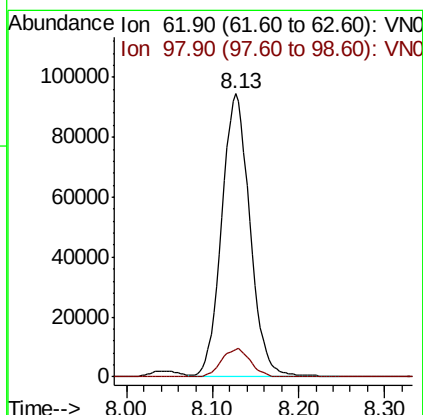
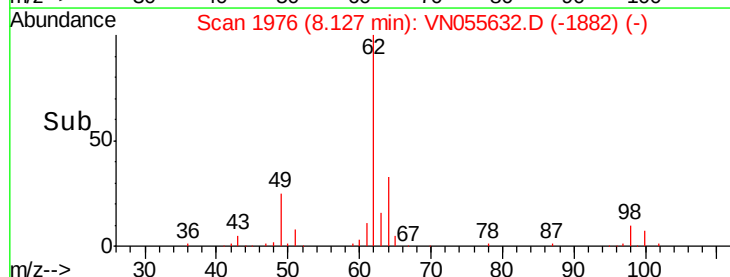
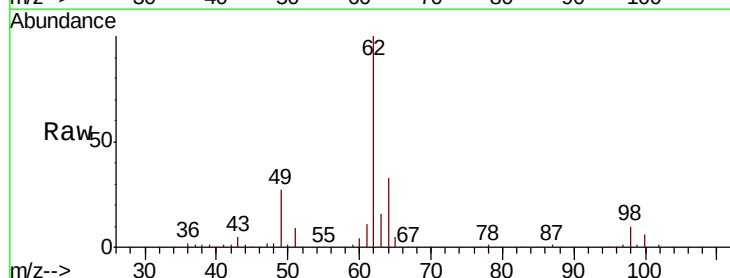
Instrument :
MSVOA_N
ClientSampled :

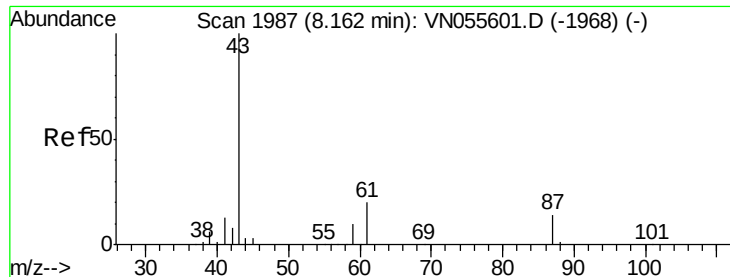
Tot Ion:	41	Resp:	306033
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 50.108 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

Tgt Ion:	62	Resp:	216823
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 45.916 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

ClientSampleId :

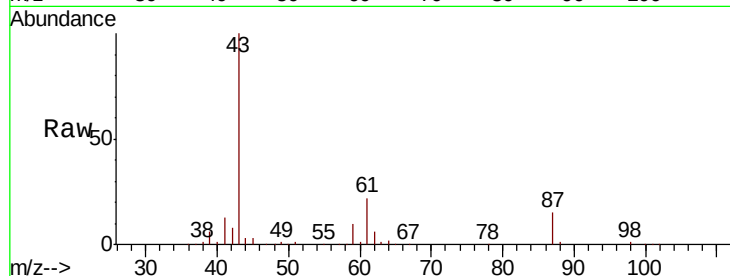
Tot Ion: 43 Resp: 327433

Ion Ratio Lower Upper

43 100

61 28.7 22.1 33.1

87 15.2 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055601.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055601.D (-1968) (-)

8.16

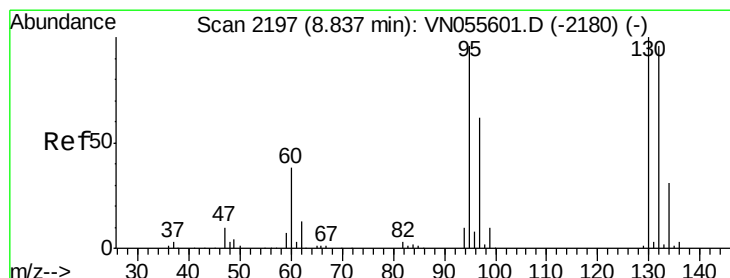
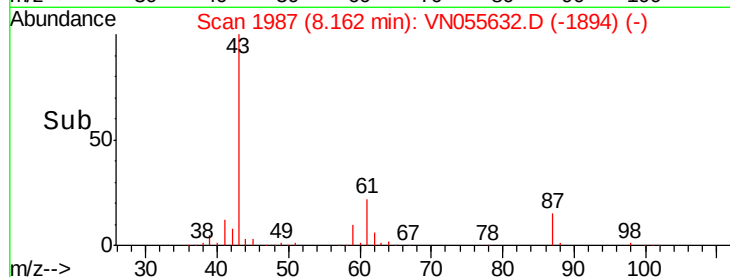
150000

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 50.194 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN055632.D

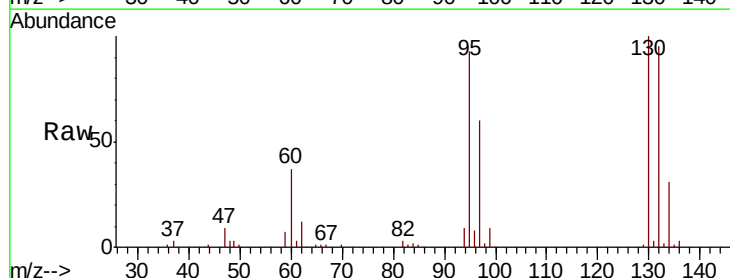
Acq: 17 May 2019 23:50

Tgt Ion:130 Resp: 189259

Ion Ratio Lower Upper

130 100

95 92.7 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN055601.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055601.D (-2180) (-)

8.84

100000

80000

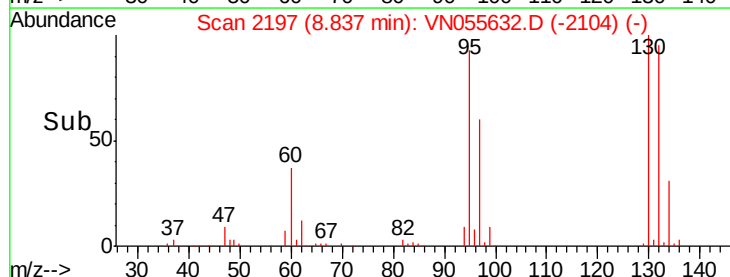
60000

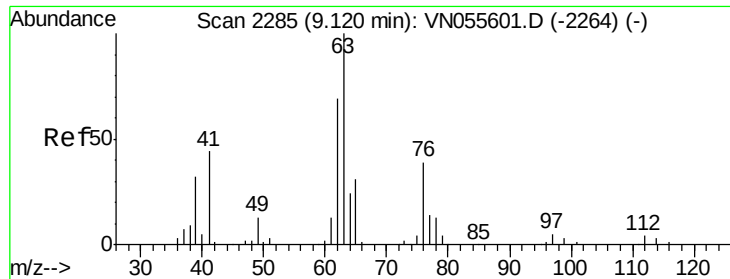
40000

20000

0

Time-->

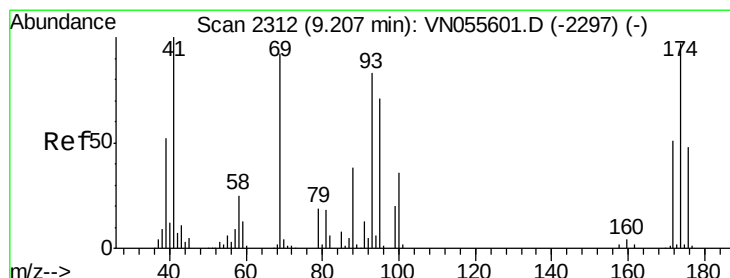
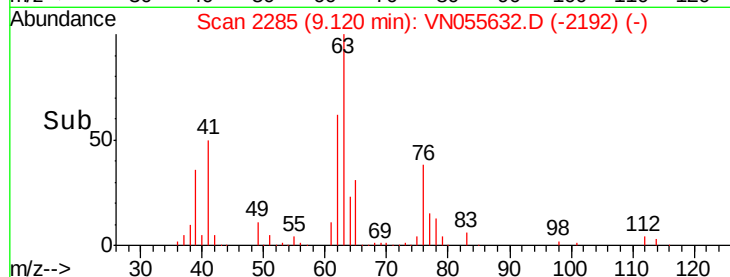
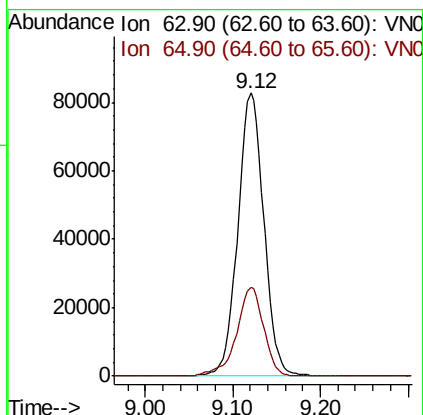
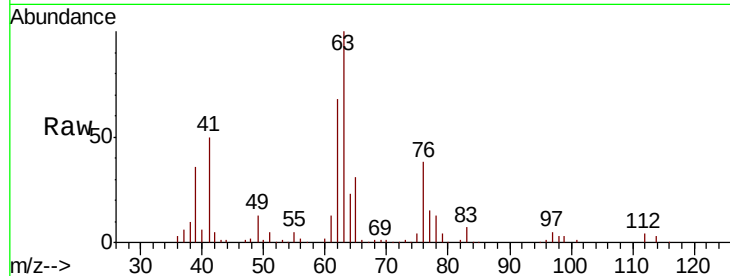




#45
 1,2-Dichloropropane
 Concen: 48.561 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

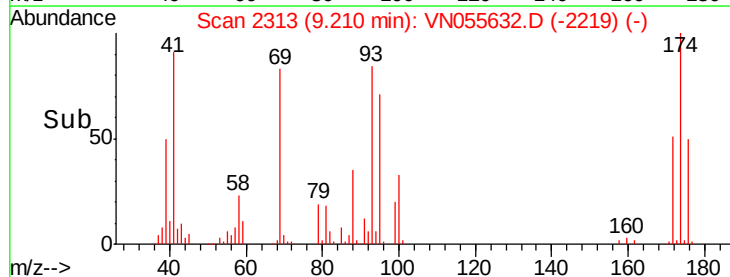
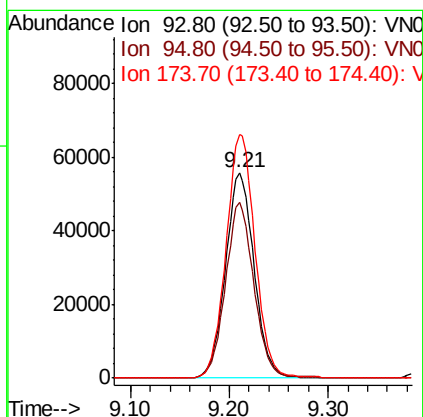
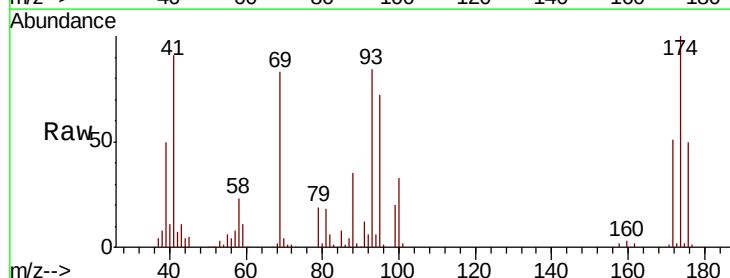
Instrument :
 MSVOA_N
 ClientSampleId :

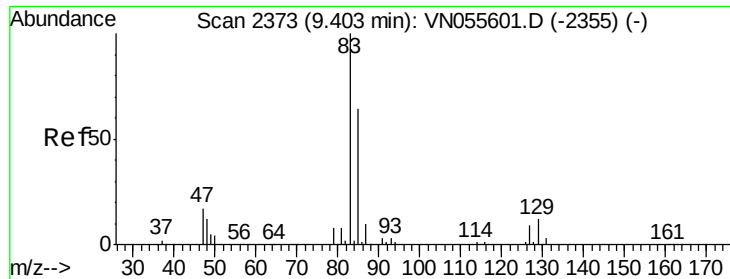
Tot Ion: 63 Resp: 170948
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.2 37.8



#46
 Dibromomethane
 Concen: 49.338 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

Tgt Ion: 93 Resp: 113676
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.9 101.9
 174 119.6 93.8 140.6

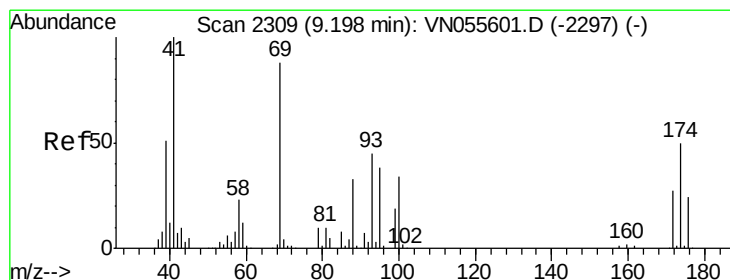
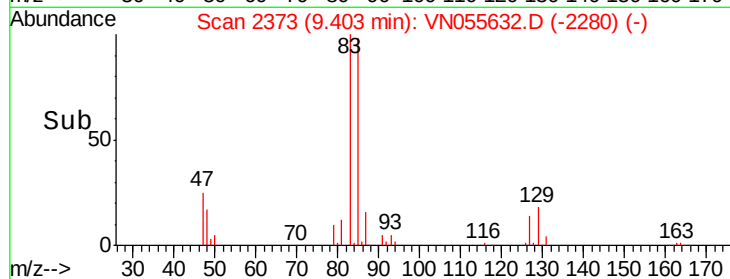
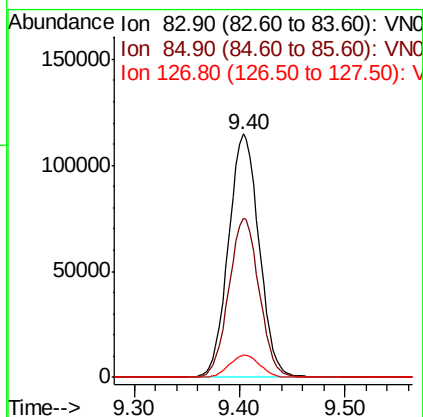
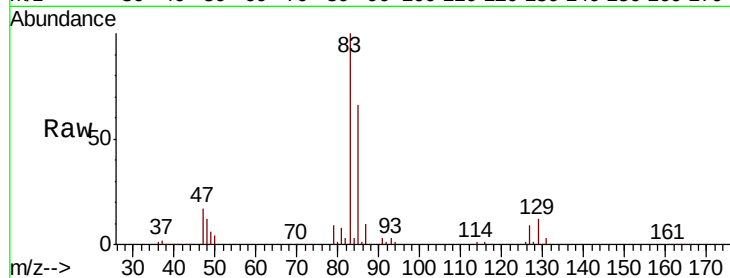




#47
Bromodichloromethane
Concen: 47.778 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

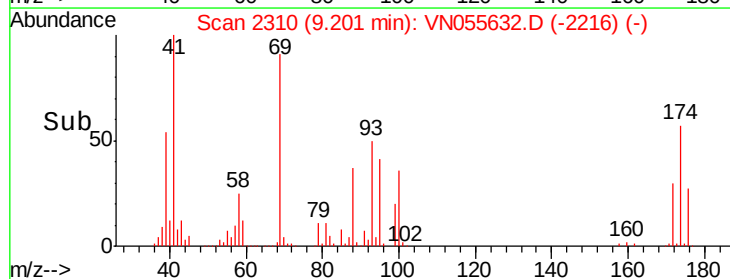
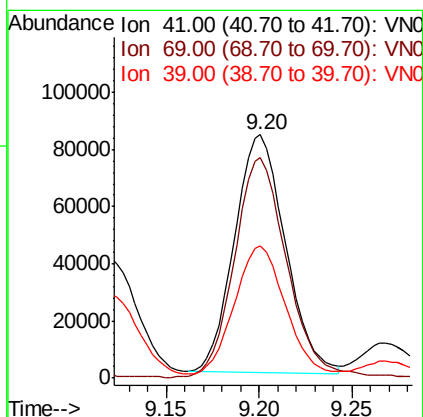
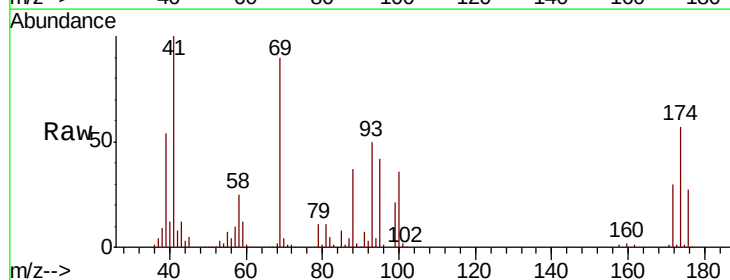
Instrument :
MSVOA_N
ClientSampleId :

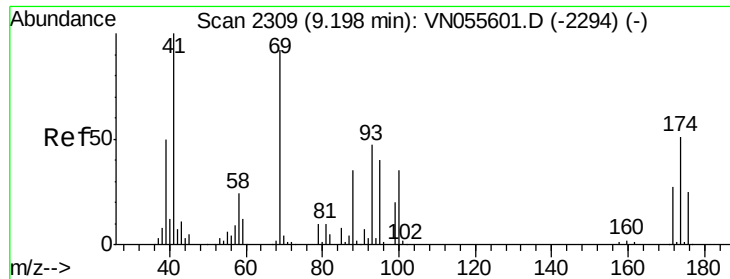
Tot Ion: 83 Resp: 230715
Ion Ratio Lower Upper
83 100
85 65.5 51.4 77.0
127 9.2 7.1 10.7



#48
Methyl methacrylate
Concen: 50.081 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

Tgt Ion: 41 Resp: 159630
Ion Ratio Lower Upper
41 100
69 96.2 74.2 111.2
39 57.0 43.8 65.8

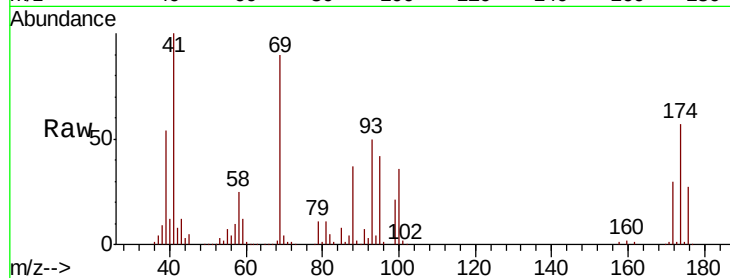




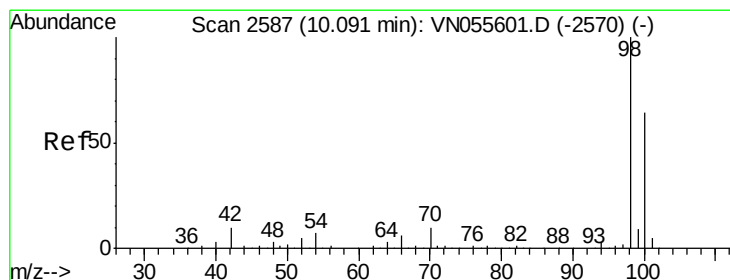
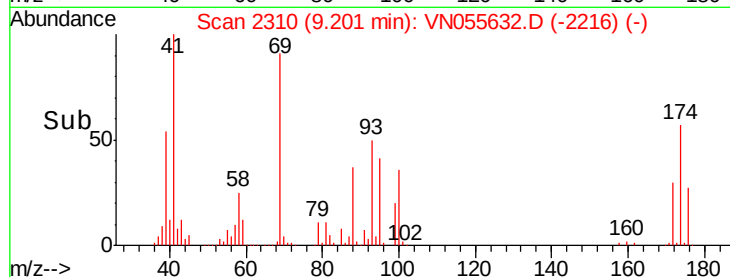
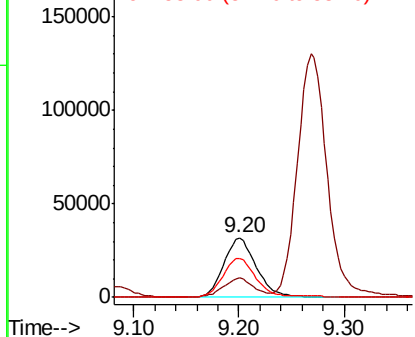
#49
1,4-Dioxane
Concen: 1076.099 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 68156
Ion Ratio Lower Upper
88 100
43 28.4 22.4 33.6
58 65.8 53.4 80.2

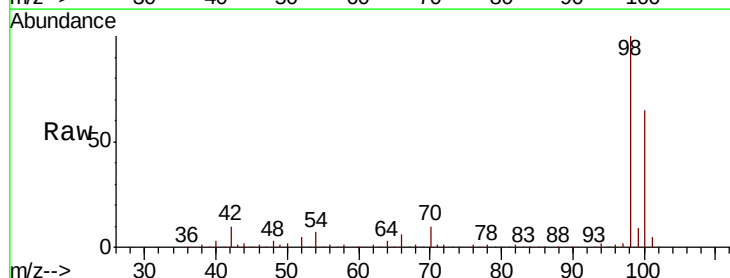


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

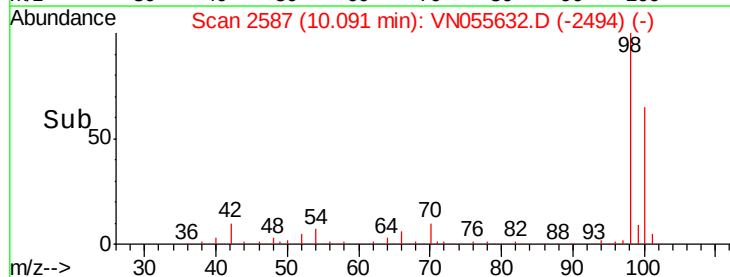
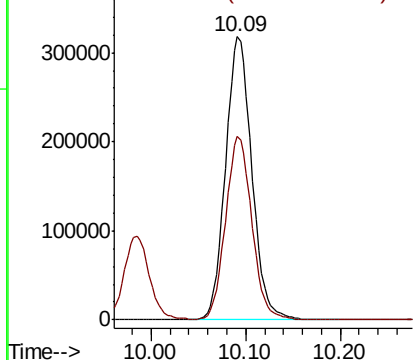


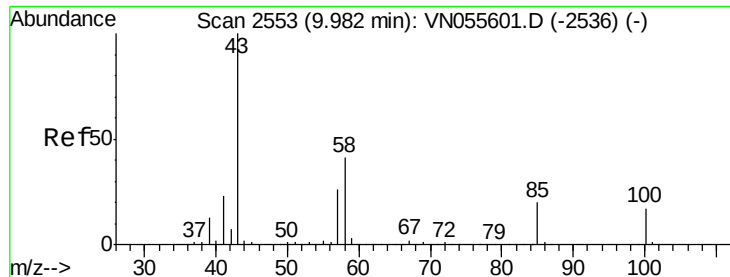
#50
Toluene-d8
Concen: 50.101 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

Tgt Ion: 98 Resp: 613211
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



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: 248.202 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

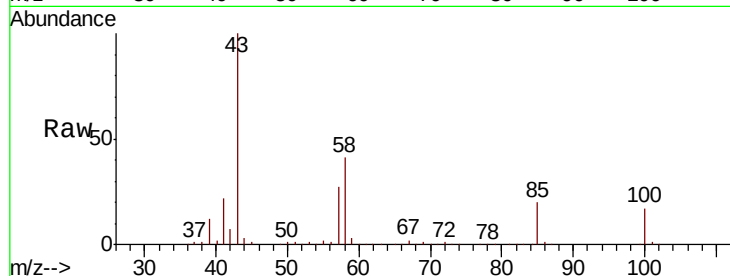
ClientSampleId :

Tot Ion: 43 Resp: 1038240

Ion Ratio Lower Upper

43 100

58 41.1 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN055601.D (-2536) (-)

9.99

600000

500000

400000

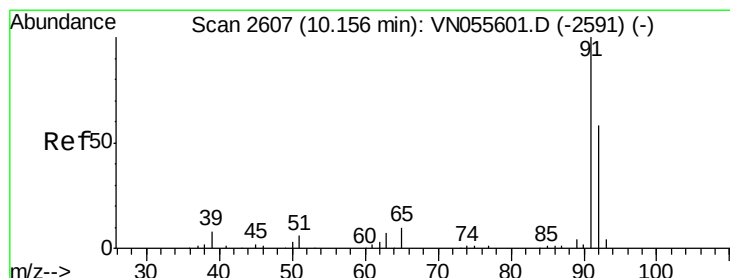
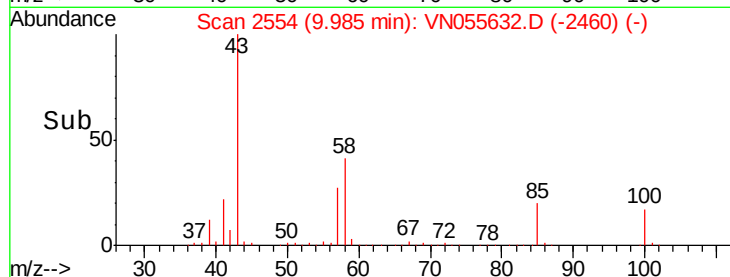
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.727 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055632.D

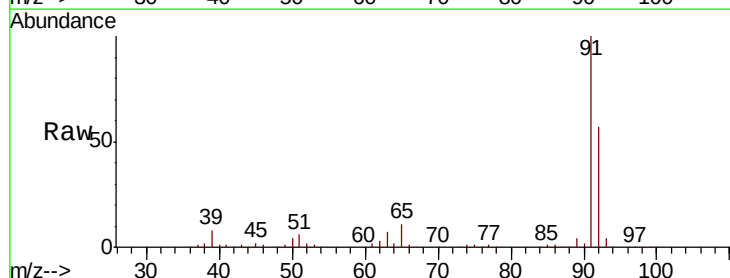
Acq: 17 May 2019 23:50

Tgt Ion: 92 Resp: 408391

Ion Ratio Lower Upper

92 100

91 173.3 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN055601.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055601.D (-2591) (-)

10.16

400000

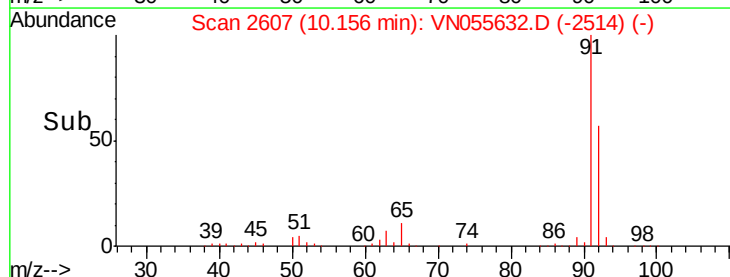
300000

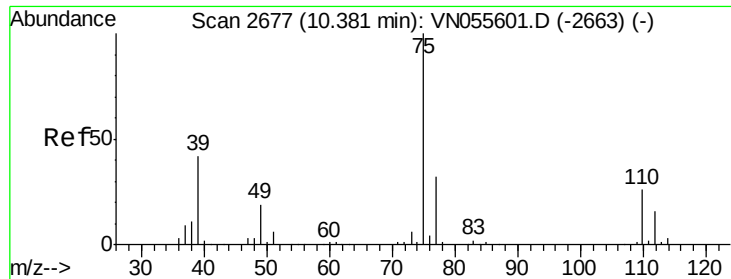
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.083 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

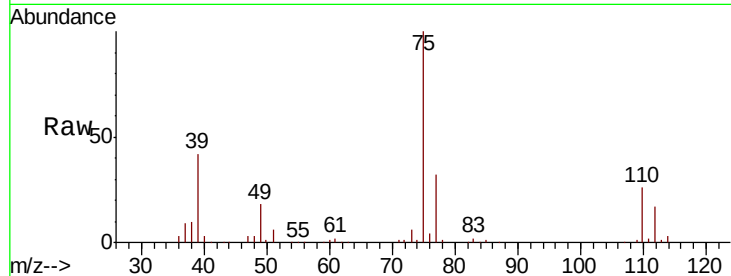
ClientSampled :

Tot Ion: 75 Resp: 244702

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

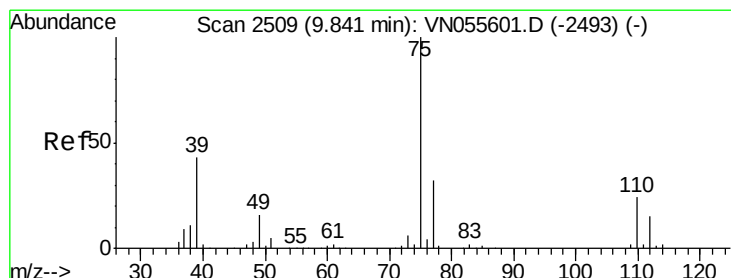
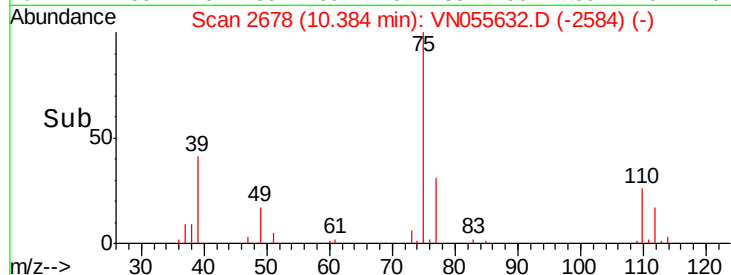
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 46.931 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

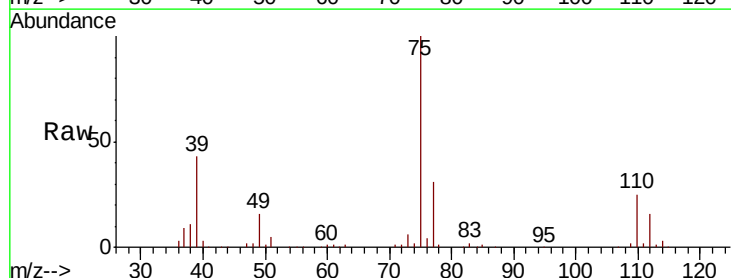
Tgt Ion: 75 Resp: 267206

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5

39 42.9 34.7 52.1



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

200000

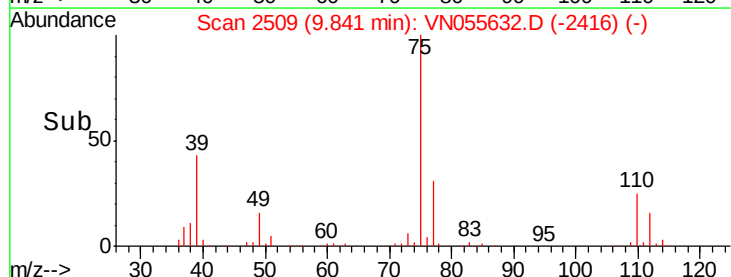
150000

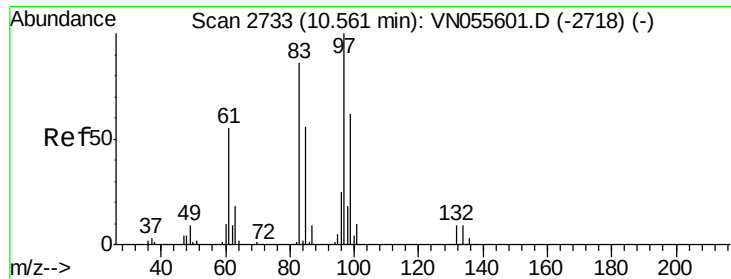
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.411 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 167037

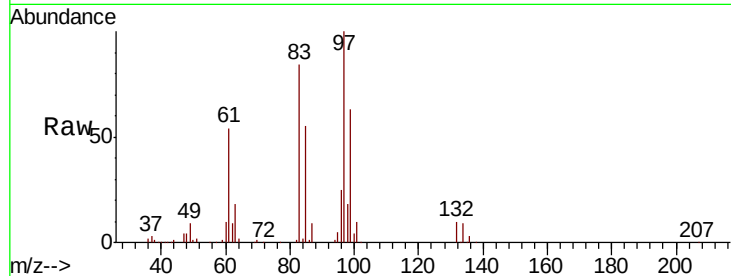
Ion Ratio Lower Upper

97 100

83 84.5 68.4 102.6

85 54.7 44.8 67.2

99 63.3 49.9 74.9

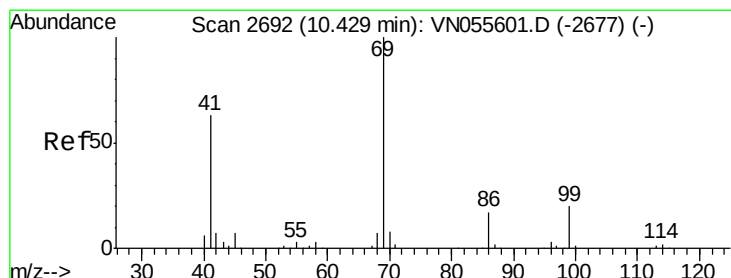
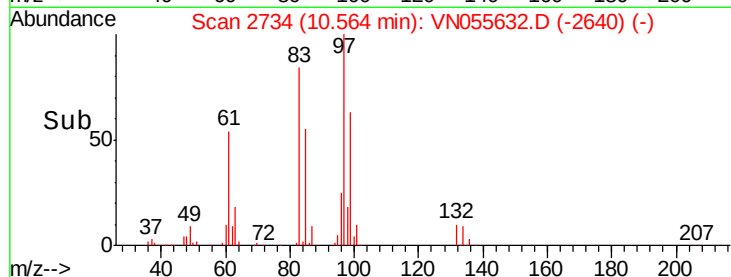
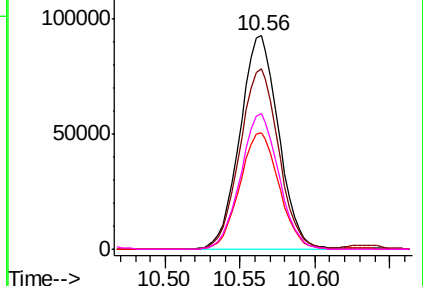


Abundance Ion 96.90 (96.60 to 97.60): VN0

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



#56

Ethyl methacrylate

Concen: 48.065 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

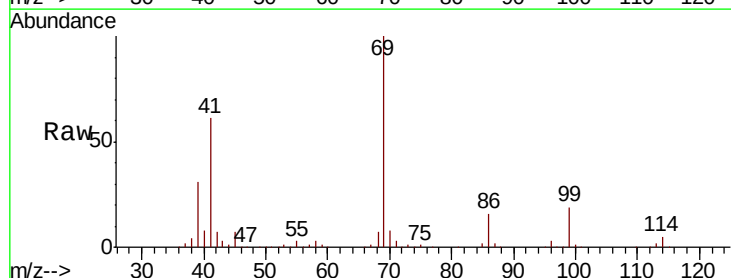
Tgt Ion: 69 Resp: 258889

Ion Ratio Lower Upper

69 100

41 60.9 50.3 75.5

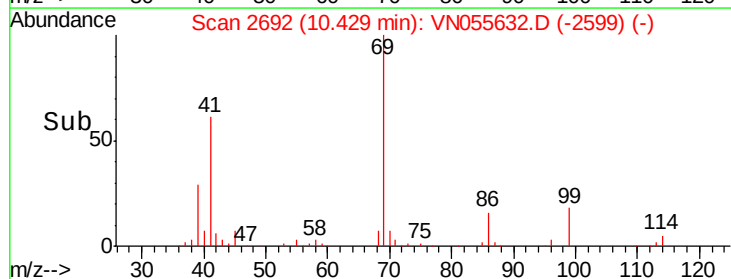
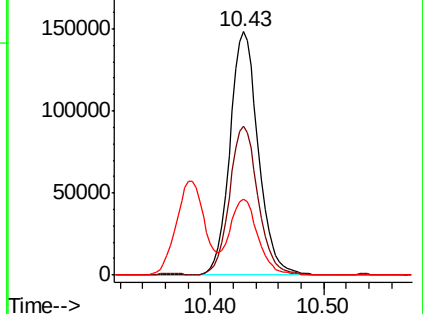
39 31.1 25.4 38.2

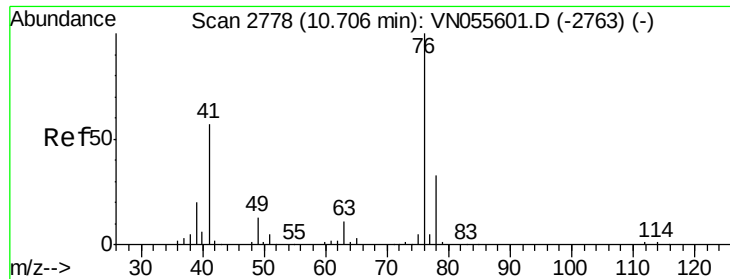


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

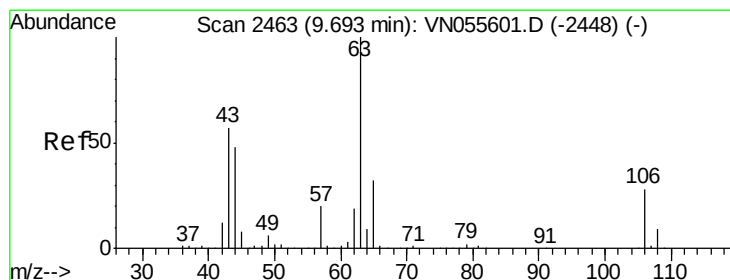
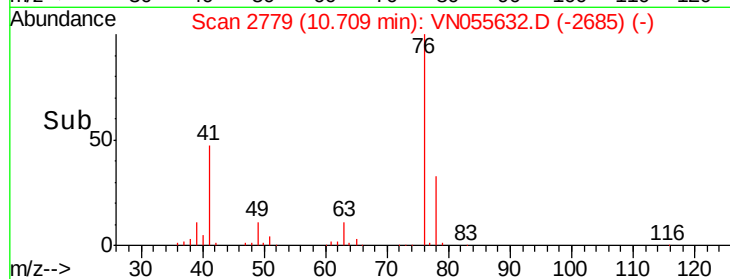
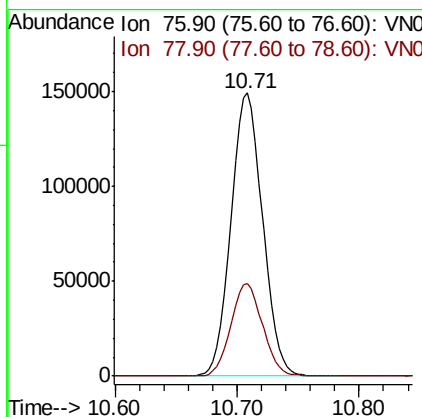
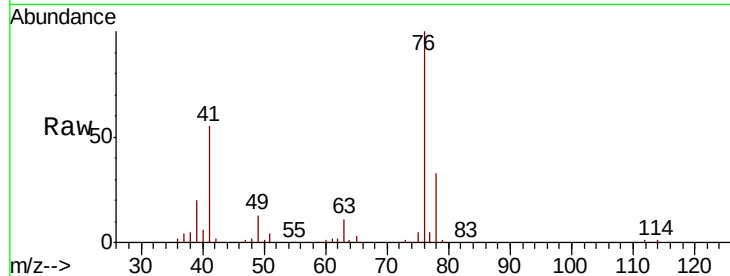




#57
 1,3-Dichloropropane
 Concen: 49.164 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

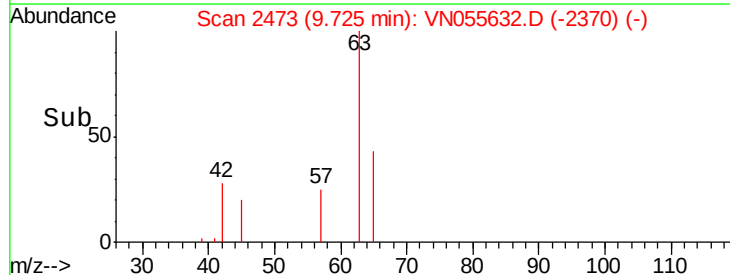
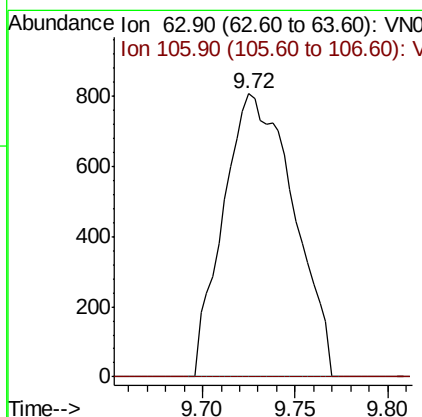
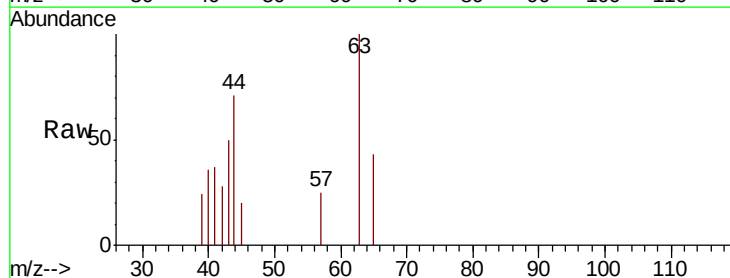
Instrument :
 MSVOA_N
 ClientSampleId :

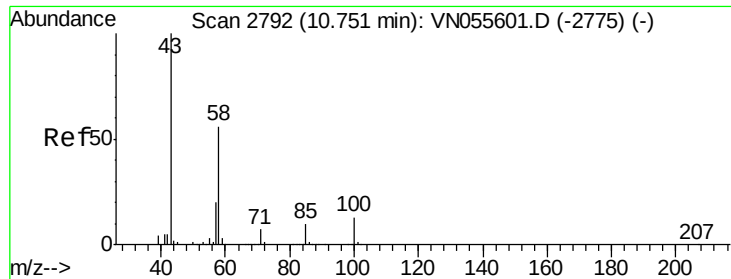
Tot Ion: 76 Resp: 268669
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.5 39.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.931 ug/l
 RT: 9.72 min Scan# 2473
 Delta R.T. 0.03 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

Tgt Ion: 63 Resp: 2131
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.0 34.6#

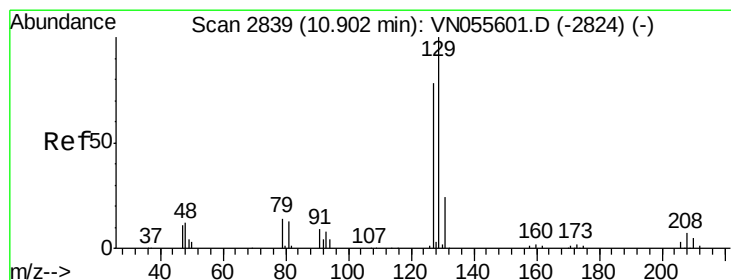
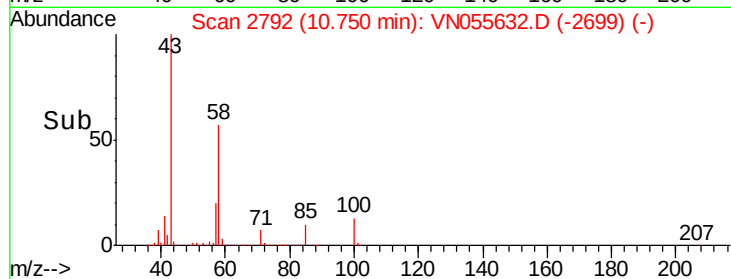
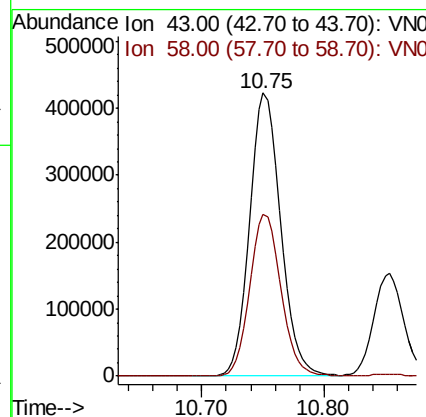
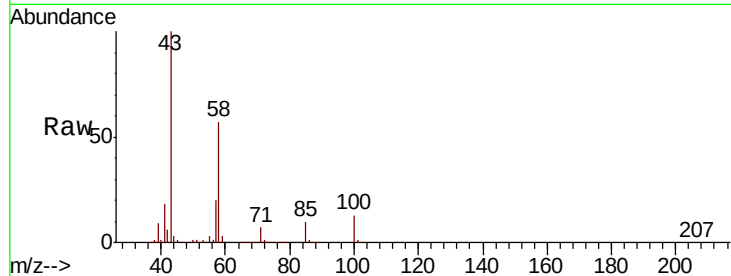




#59
2-Hexanone
Concen: 250.386 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

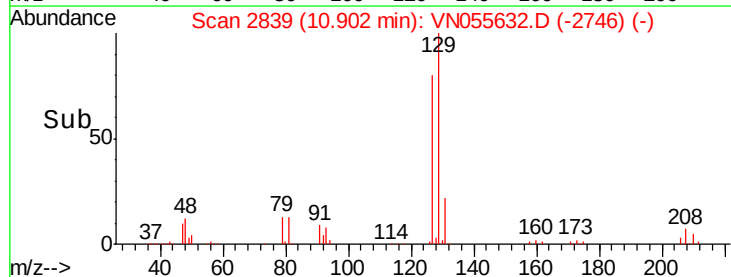
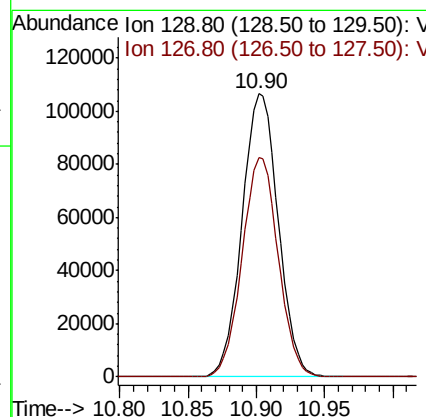
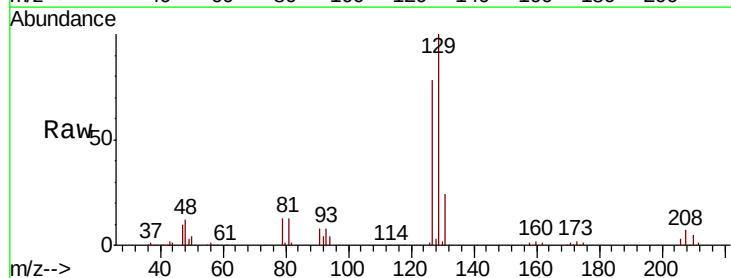
Instrument :
MSVOA_N
ClientSampled :

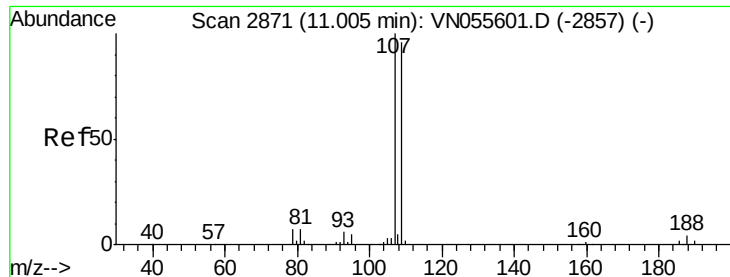
Tot Ion: 43 Resp: 737404
Ion Ratio Lower Upper
43 100
58 57.6 28.1 84.4



#60
Dibromochloromethane
Concen: 50.210 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

Tgt Ion: 129 Resp: 196352
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.090 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

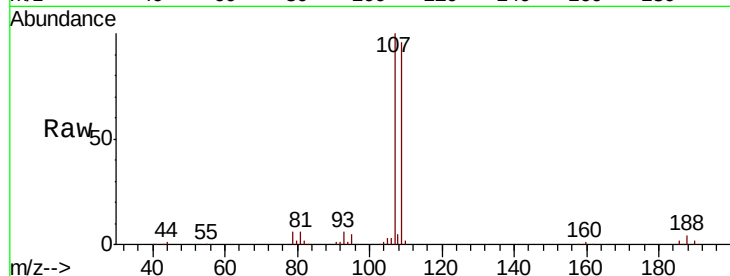
ClientSampled :

Tot Ion:107 Resp: 172930

Ion Ratio Lower Upper

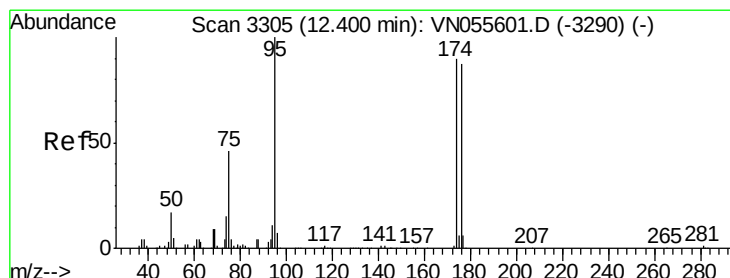
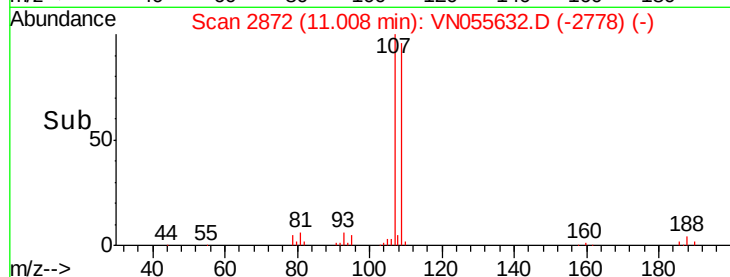
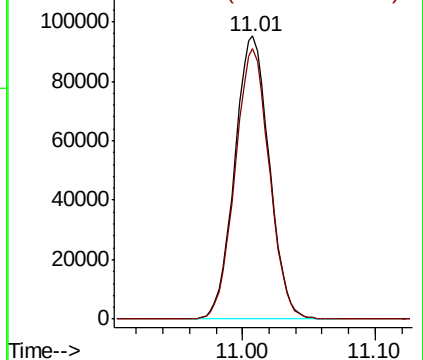
107 100

109 94.7 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.339 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

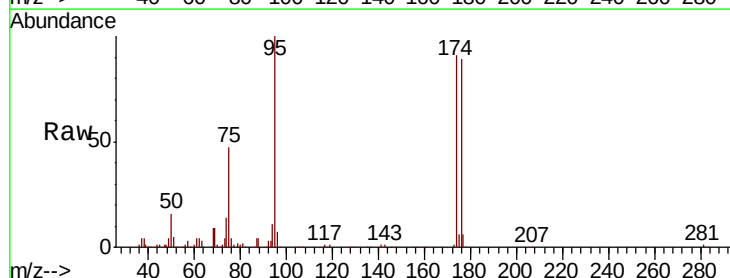
Tgt Ion: 95 Resp: 212758

Ion Ratio Lower Upper

95 100

174 92.1 0.0 180.6

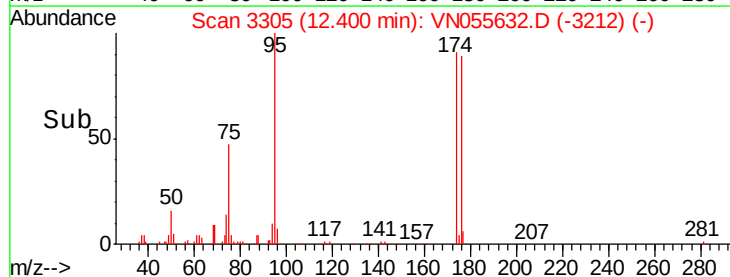
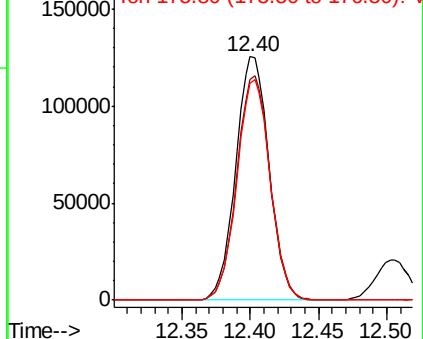
176 90.1 0.0 177.4

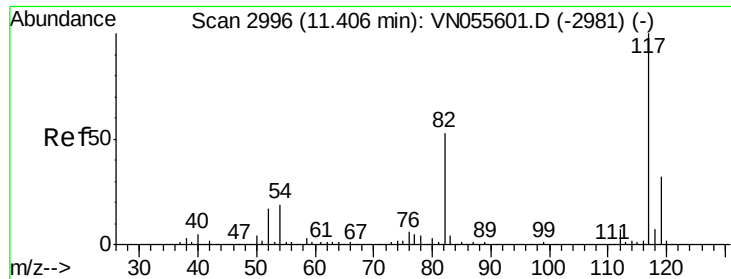


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

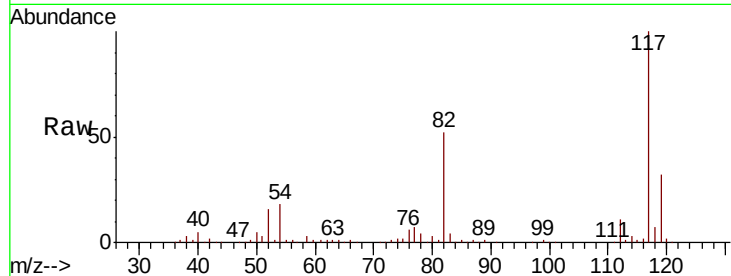




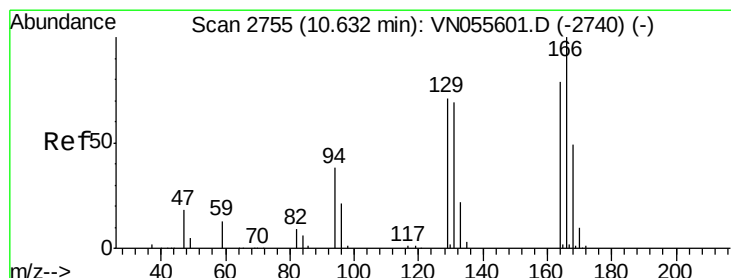
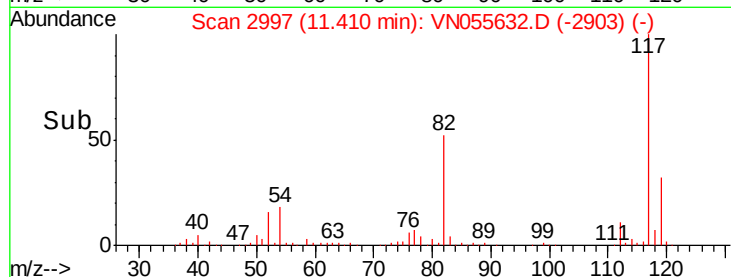
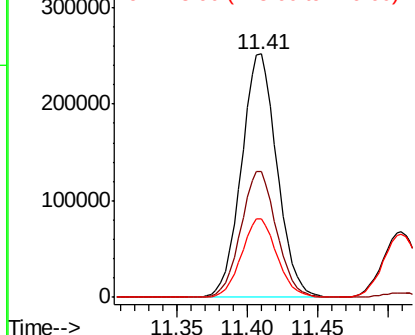
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 444917
Ion Ratio Lower Upper
117 100
82 51.6 42.3 63.5
119 32.3 25.4 38.2

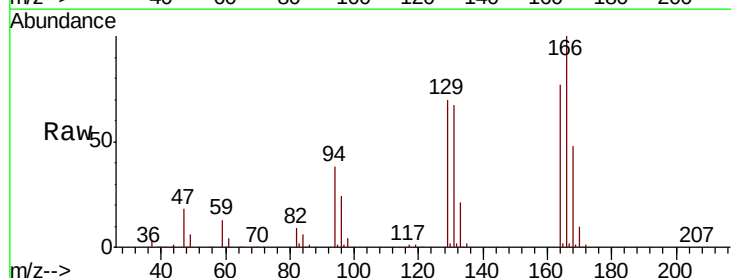


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

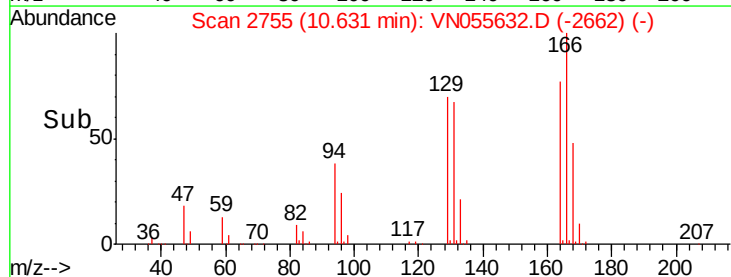
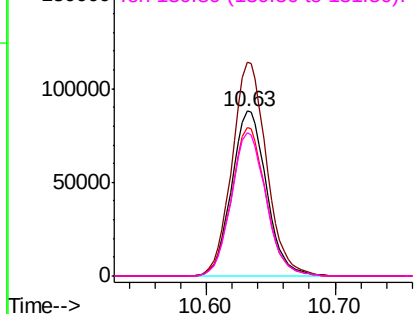


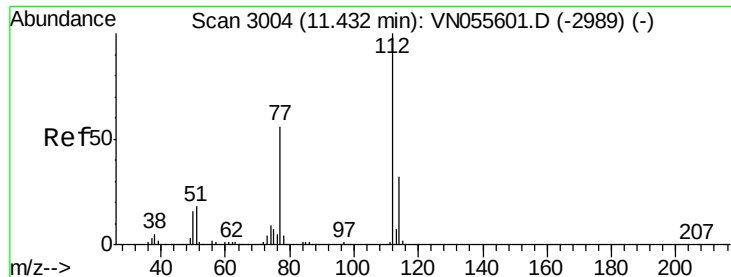
#64
Tetrachloroethene
Concen: 47.101 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

Tgt Ion:164 Resp: 165286
Ion Ratio Lower Upper
164 100
166 129.7 101.0 151.6
129 90.2 71.7 107.5
131 87.0 69.6 104.4



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: 48.874 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

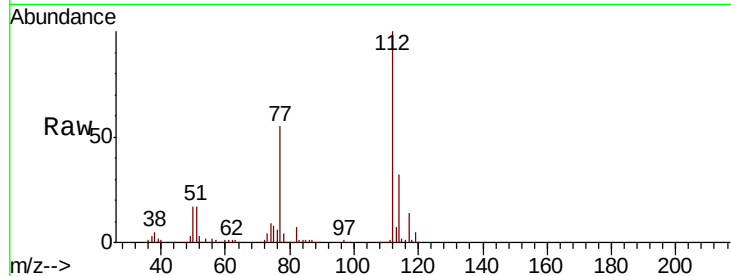
ClientSampled :

Tot Ion:112 Resp: 439818

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

250000

200000

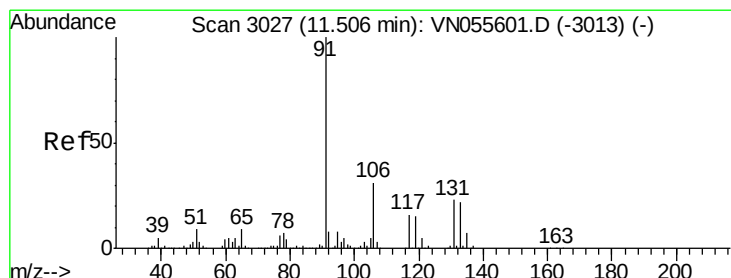
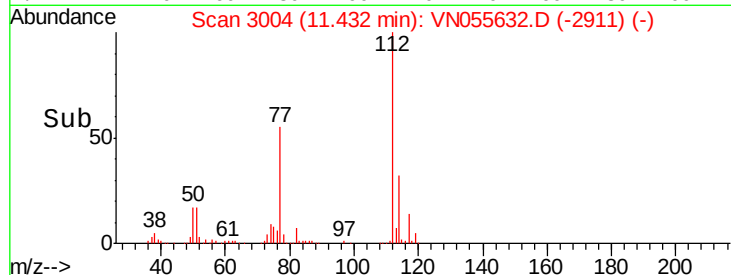
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.779 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

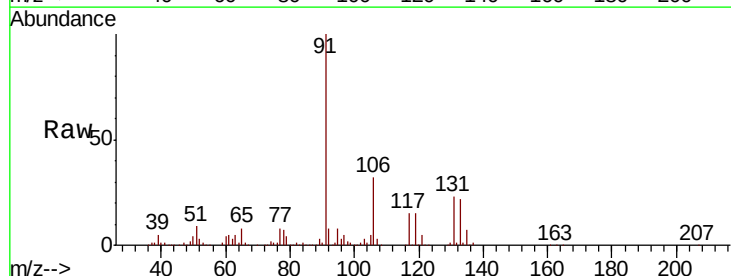
Tgt Ion:131 Resp: 176592

Ion Ratio Lower Upper

131 100

133 94.9 47.8 143.4

119 64.9 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

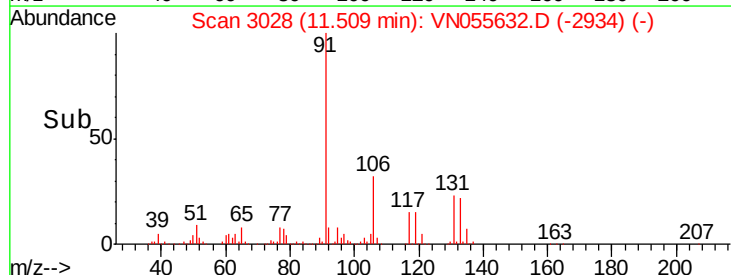
11.51

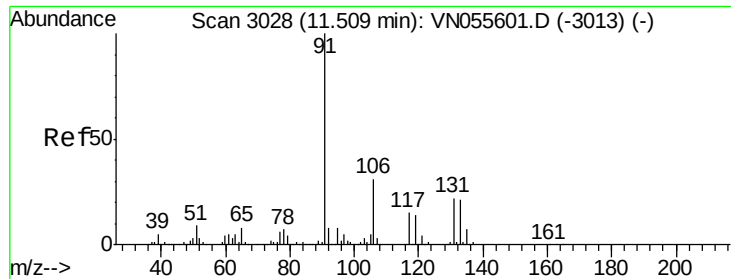
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 47.866 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

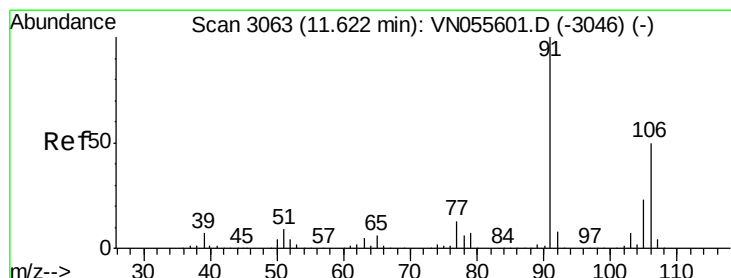
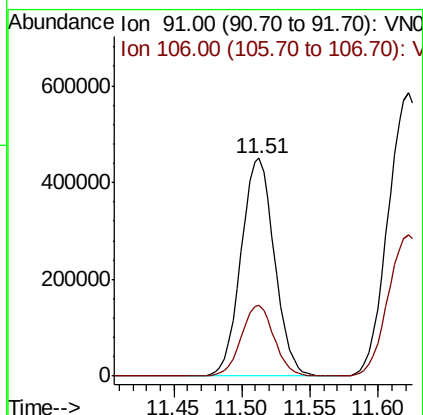
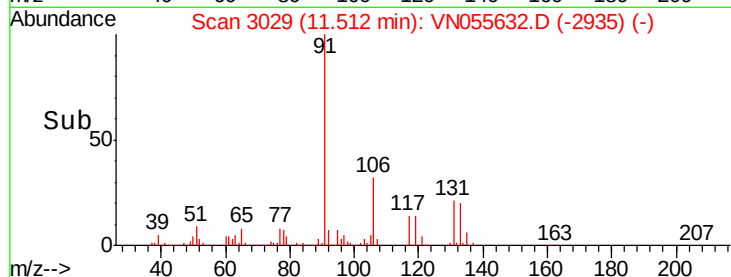
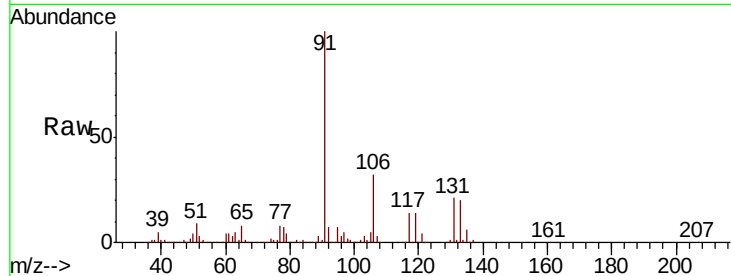
ClientSampled :

Tot Ion: 91 Resp: 767335

Ion Ratio Lower Upper

91 100

106 32.5 25.2 37.8



#68

m/p-Xylenes

Concen: 95.715 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055632.D

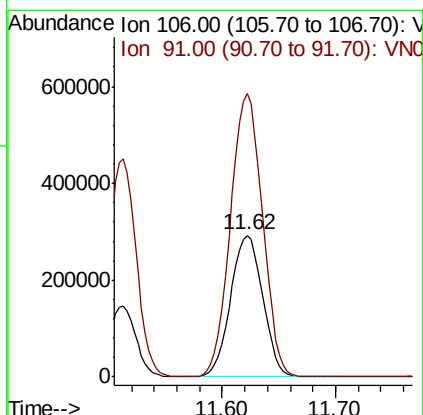
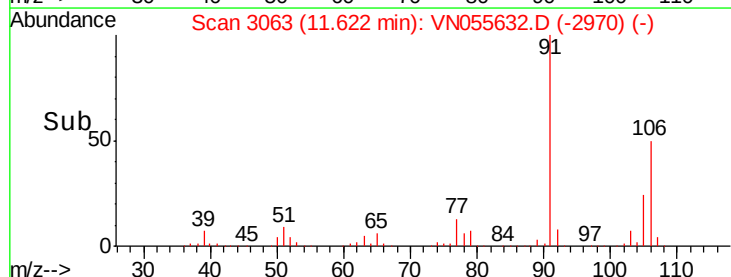
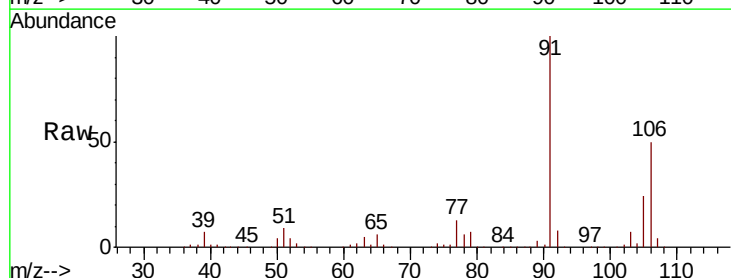
Acq: 17 May 2019 23:50

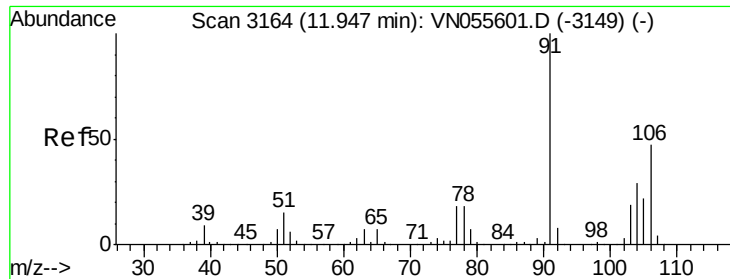
Tgt Ion: 106 Resp: 579446

Ion Ratio Lower Upper

106 100

91 199.3 160.5 240.7

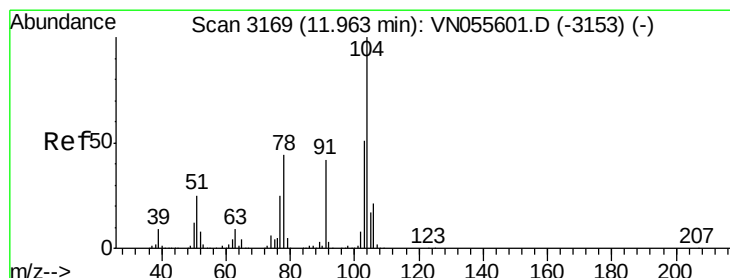
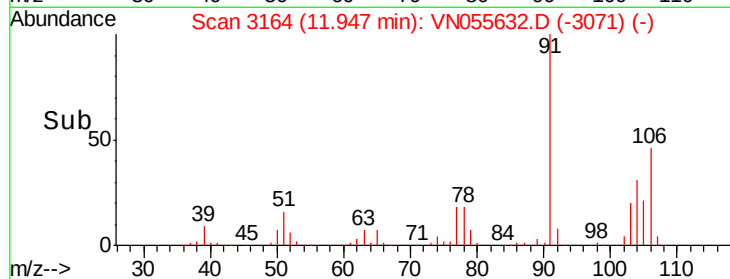
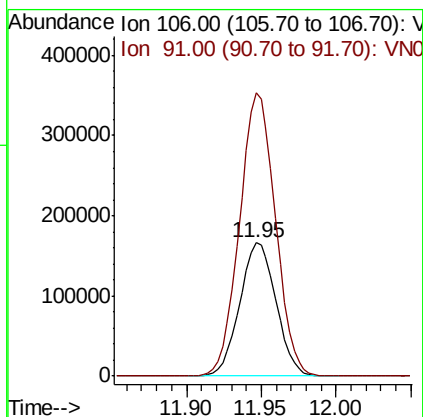
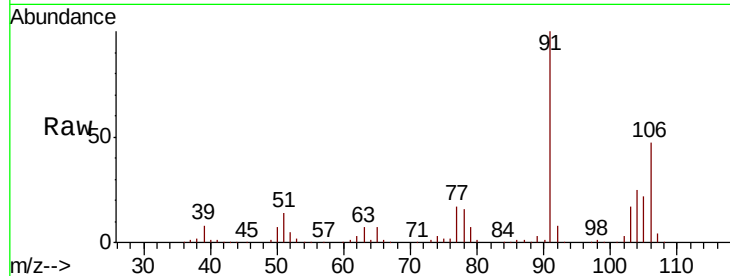




#69
o-Xylene
Concen: 47.476 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

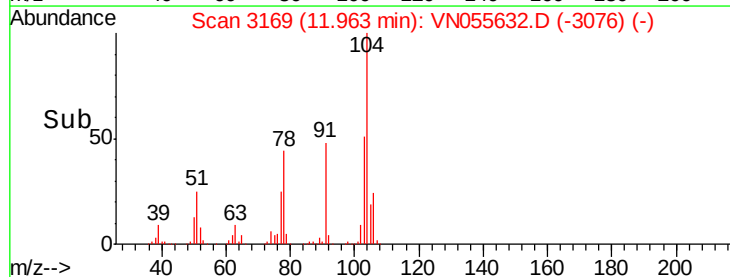
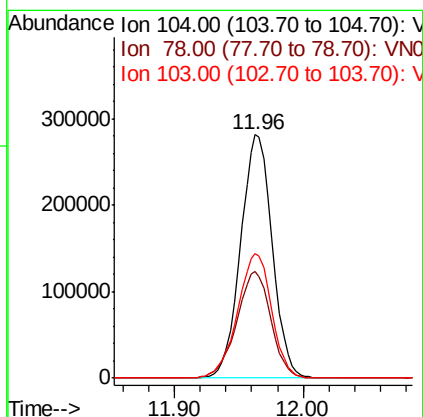
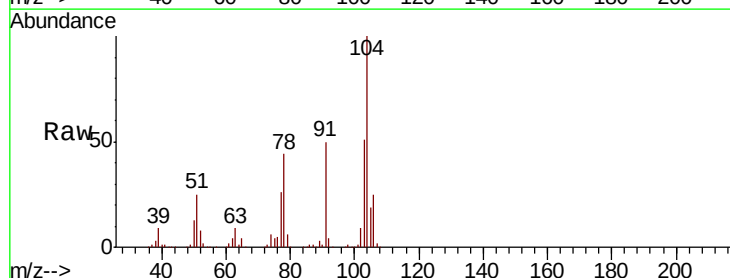
Instrument :
MSVOA_N
ClientSampled :

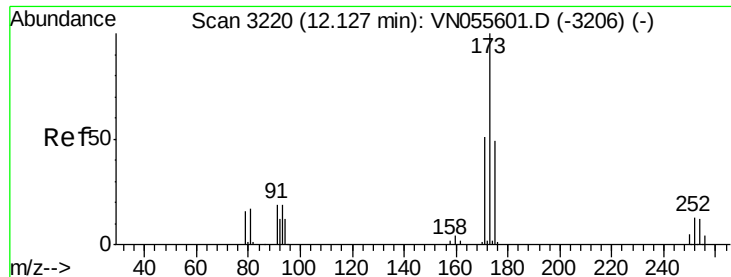
Tot Ion:106 Resp: 281110
Ion Ratio Lower Upper
106 100
91 209.9 106.7 320.2



#70
Styrene
Concen: 48.768 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

Tgt Ion:104 Resp: 480133
Ion Ratio Lower Upper
104 100
78 47.3 38.6 58.0
103 55.0 44.4 66.6





#71

Bromoform

Concen: 50.741 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

ClientSampled :

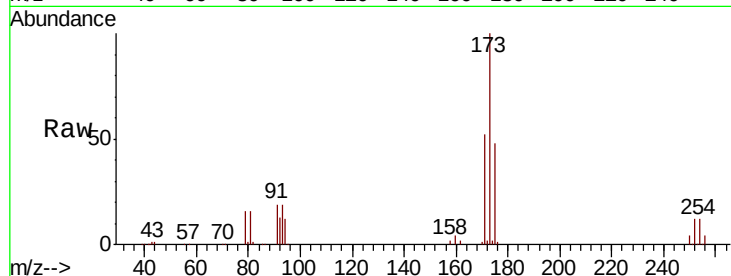
Tot Ion:173 Resp: 155672

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.9

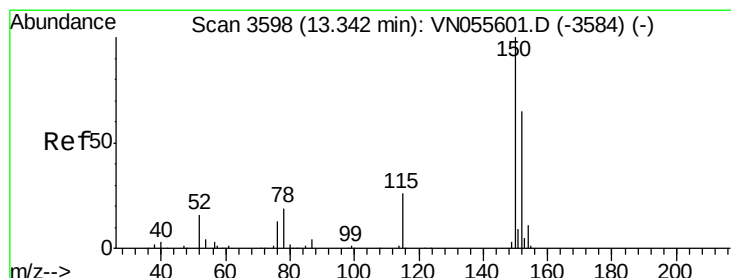
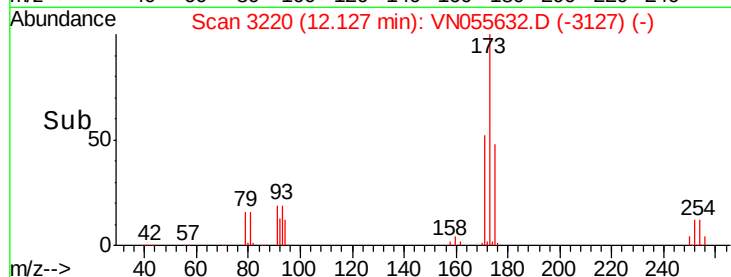
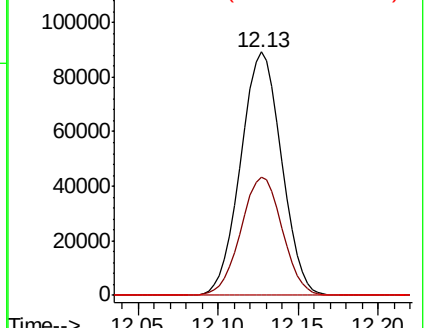
254 0.1 0.1 0.1



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: VN055632.D

Acq: 17 May 2019 23:50

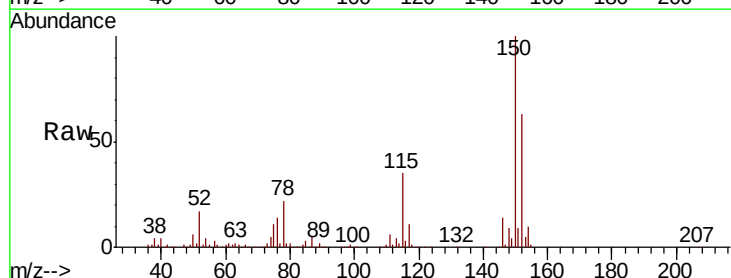
Tgt Ion:152 Resp: 206773

Ion Ratio Lower Upper

152 100

115 55.2 28.1 84.2

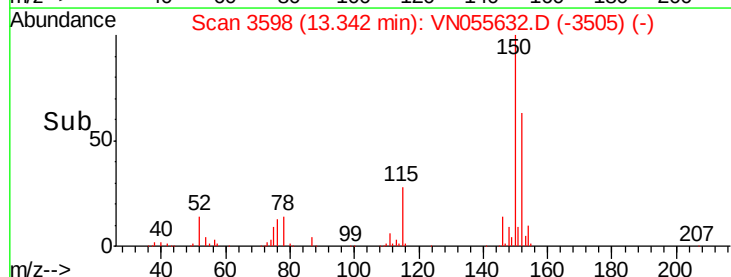
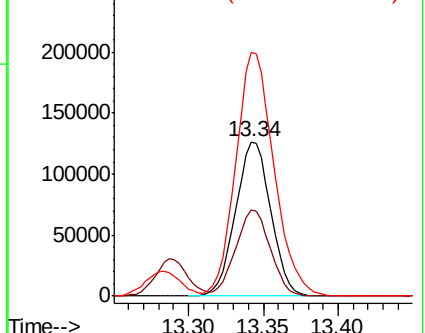
150 171.8 0.0 348.0

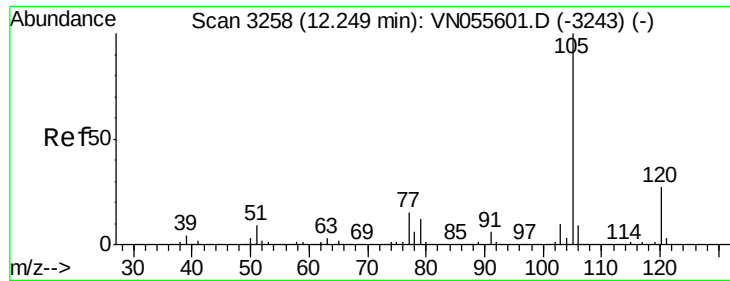


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.304 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

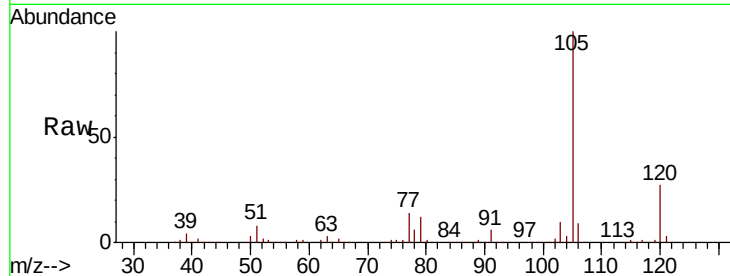
ClientSampleId :

Tot Ion:105 Resp: 743513

Ion Ratio Lower Upper

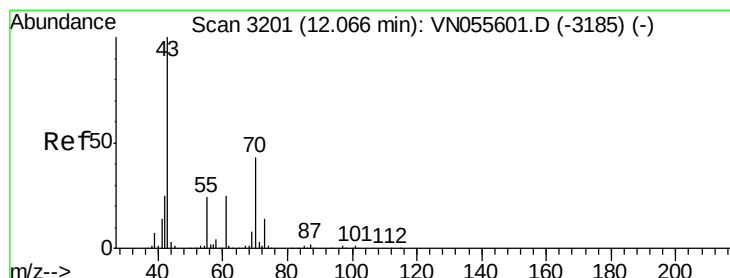
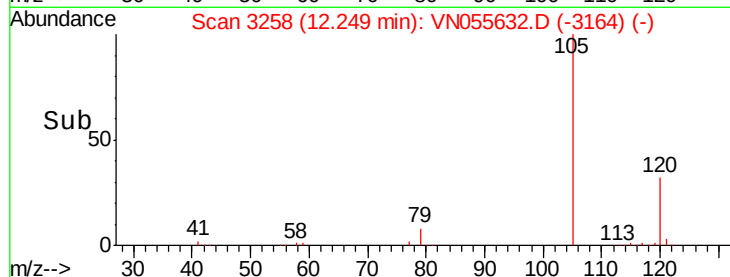
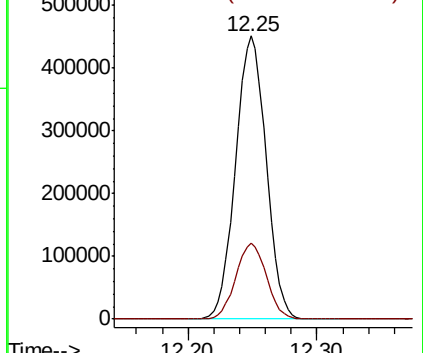
105 100

120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.837 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Tgt Ion: 43 Resp: 248717

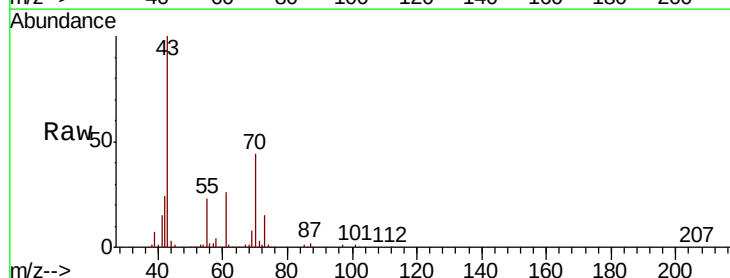
Ion Ratio Lower Upper

43 100

70 44.8 35.0 52.6

55 23.6 18.9 28.3

61 25.9 20.1 30.1

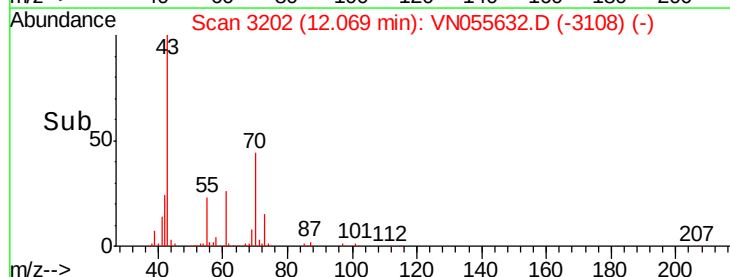
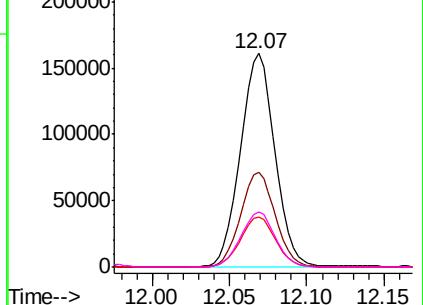


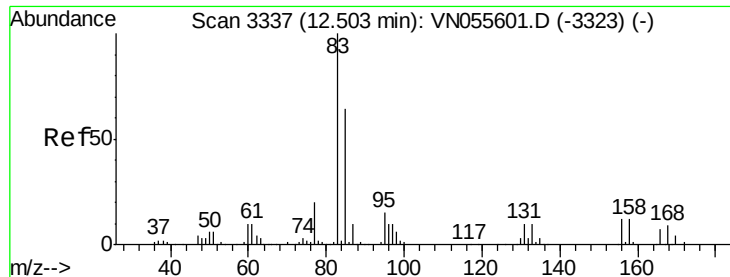
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.652 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

ClientSampled :

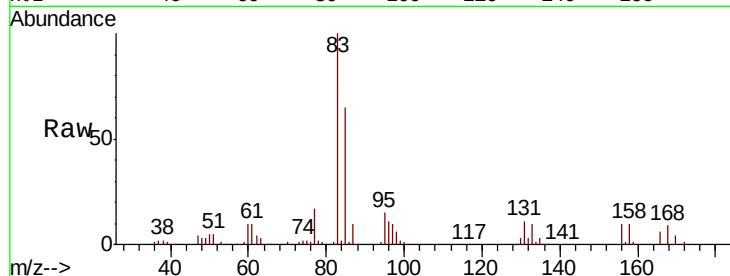
Tot Ion: 83 Resp: 234309

Ion Ratio Lower Upper

83 100

131 11.2 5.3 16.1

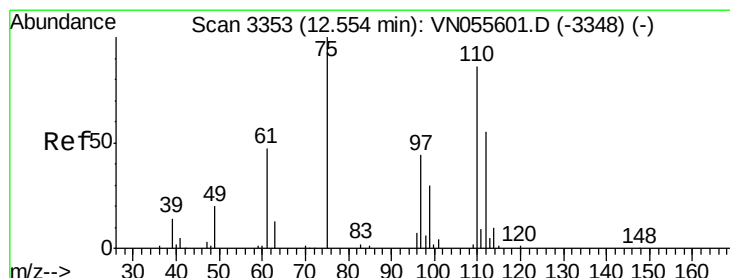
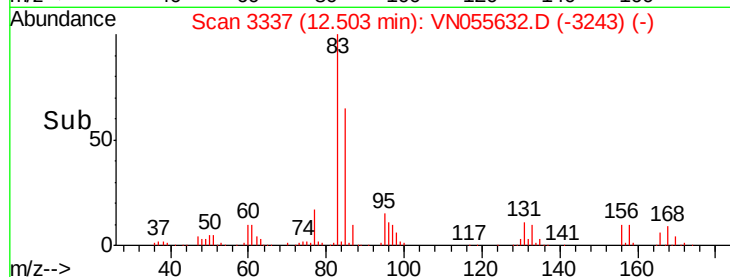
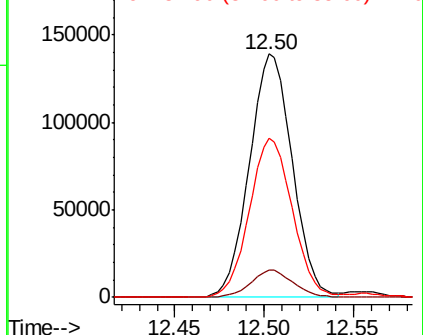
85 65.4 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VN055601.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055601.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055601.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 67.167 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055632.D

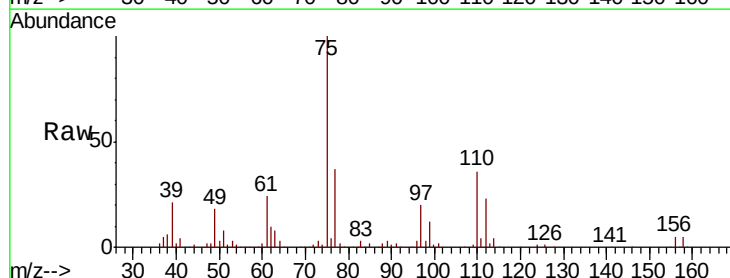
Acq: 17 May 2019 23:50

Tgt Ion: 75 Resp: 283392

Ion Ratio Lower Upper

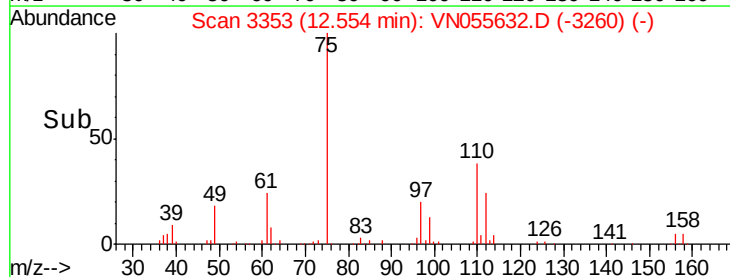
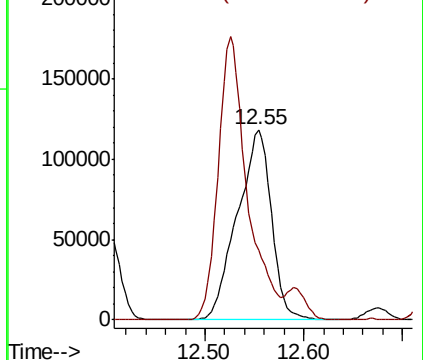
75 100

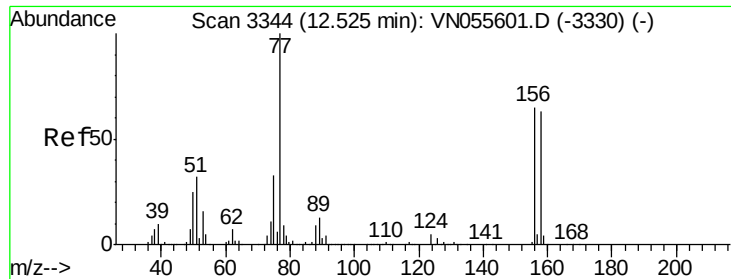
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055601.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055601.D (-3348) (-)





#77

Bromobenzene

Concen: 47.565 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

ClientSampleId :

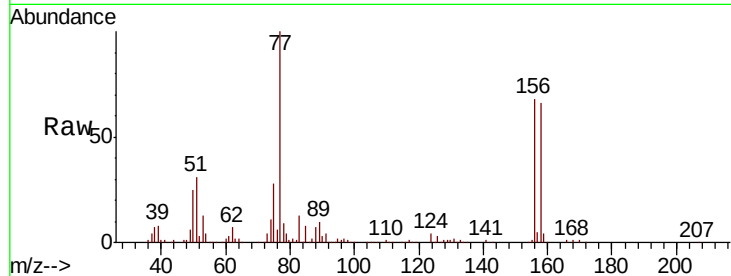
Tot Ion:156 Resp: 201987

Ion Ratio Lower Upper

156 100

77 179.7 94.5 283.5

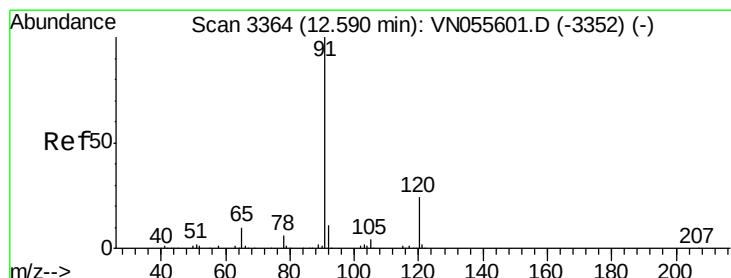
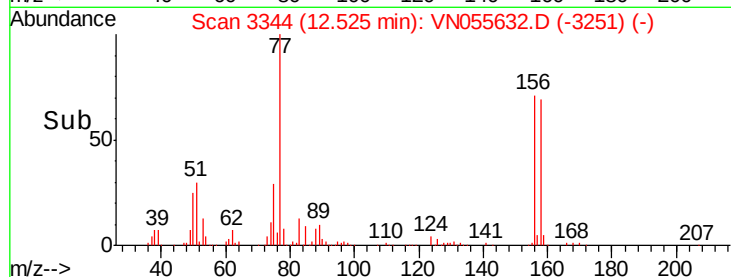
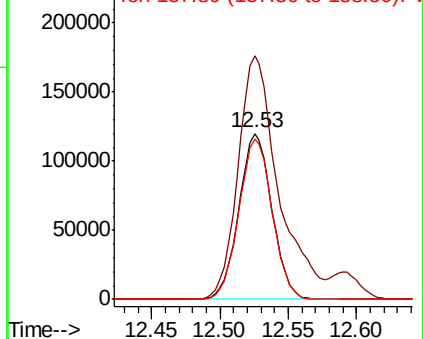
158 97.2 49.0 147.2



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: 44.335 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055632.D

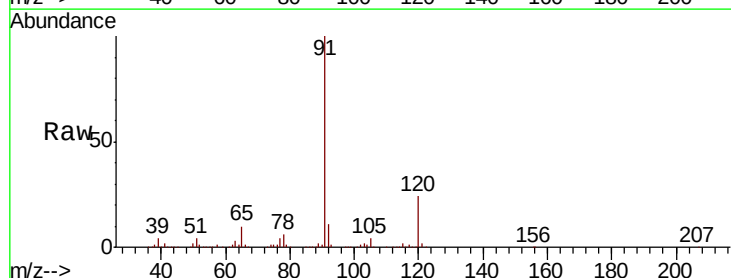
Acq: 17 May 2019 23:50

Tgt Ion: 91 Resp: 814086

Ion Ratio Lower Upper

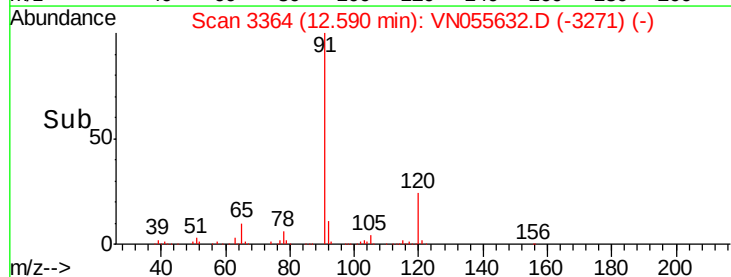
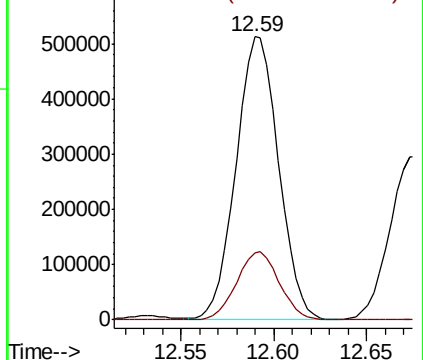
91 100

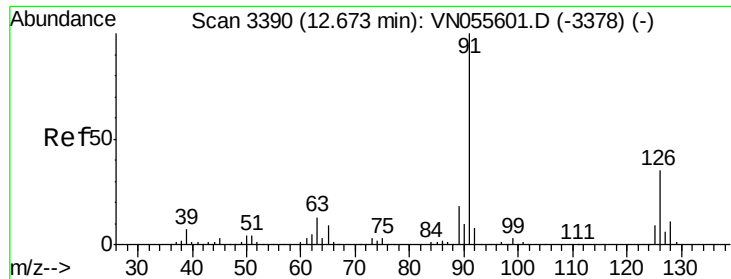
120 24.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.012 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

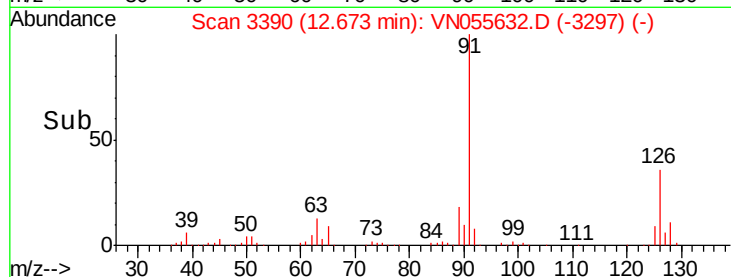
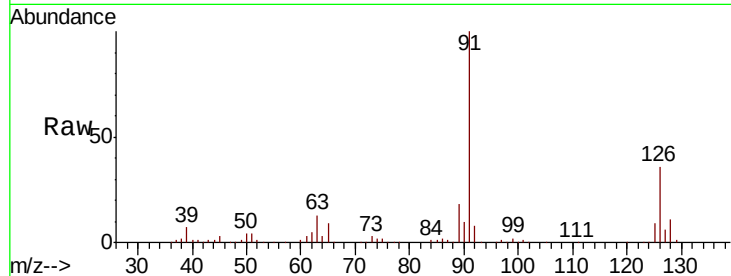
ClientSampleId :

Tot Ion: 91 Resp: 491462

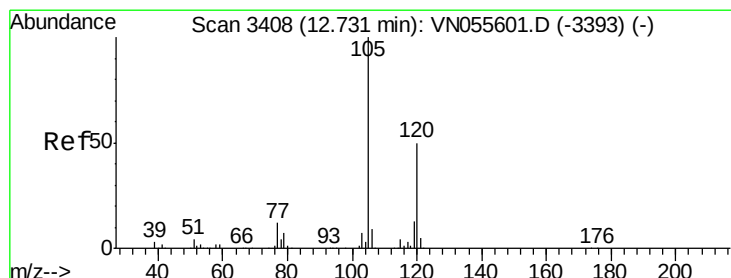
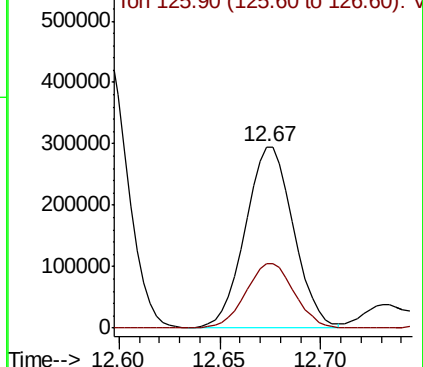
Ion Ratio Lower Upper

91 100

126 36.1 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.909 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055632.D

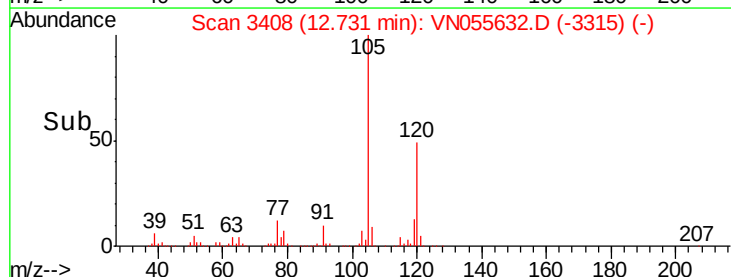
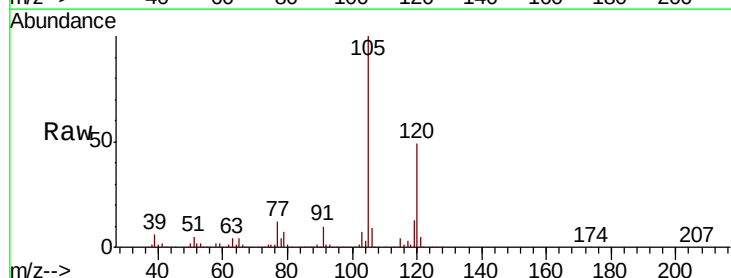
Acq: 17 May 2019 23:50

Tgt Ion: 105 Resp: 618707

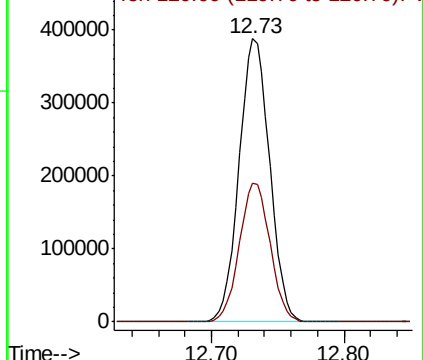
Ion Ratio Lower Upper

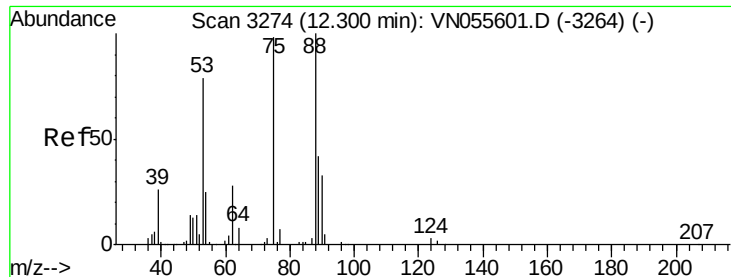
105 100

120 49.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN055601.D (-3393) (-)

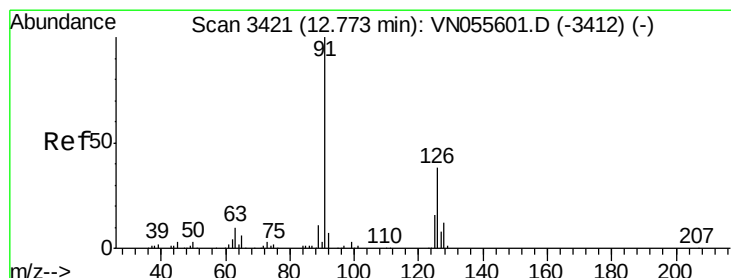
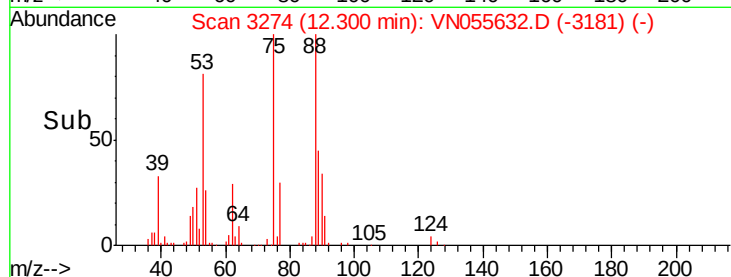
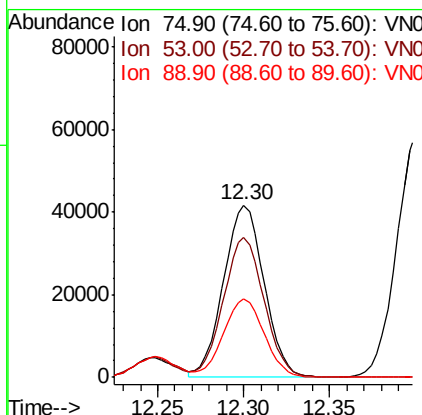
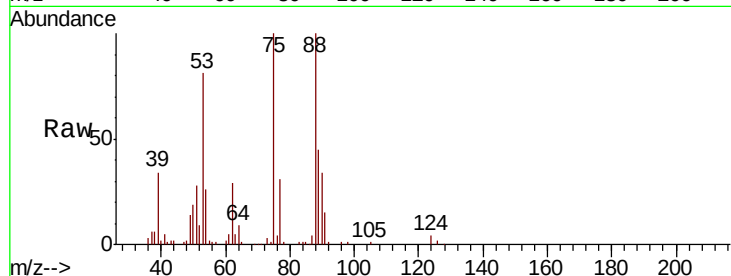




#81
trans-1,4-Dichloro-2-butene
Concen: 41.913 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

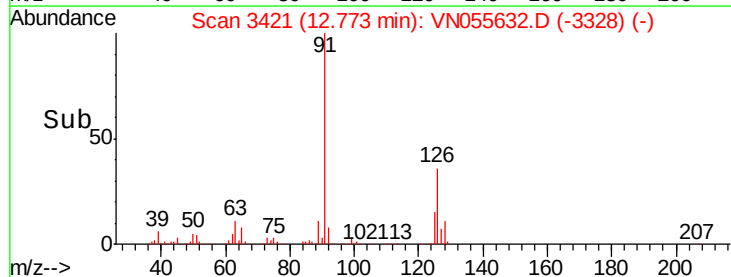
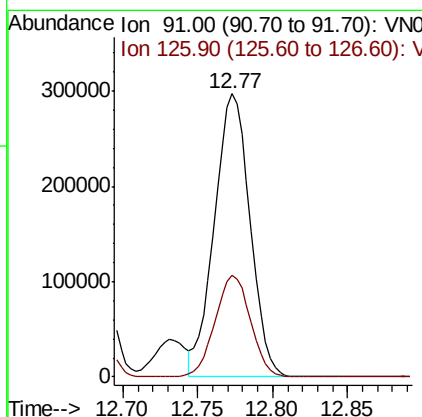
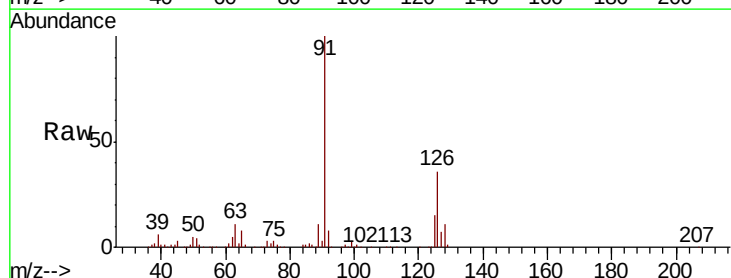
Instrument :
MSVOA_N
ClientSampleId :

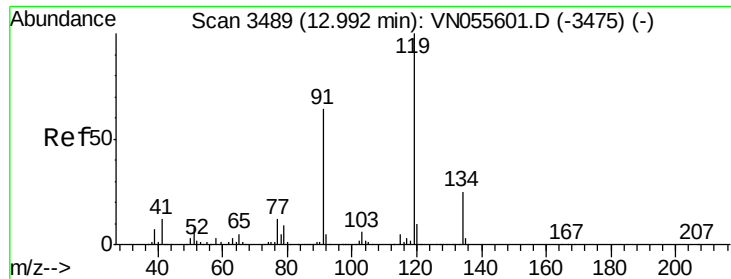
Tot Ion: 75 Resp: 68794
Ion Ratio Lower Upper
75 100
53 82.0 65.1 97.7
89 45.8 36.4 54.6



#82
4-Chlorotoluene
Concen: 45.433 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055632.D
Acq: 17 May 2019 23:50

Tgt Ion: 91 Resp: 491532
Ion Ratio Lower Upper
91 100
126 35.6 17.5 52.6

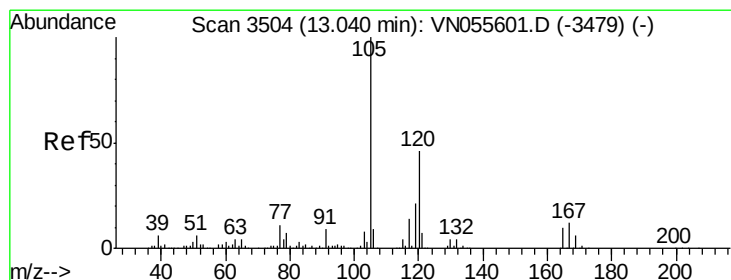
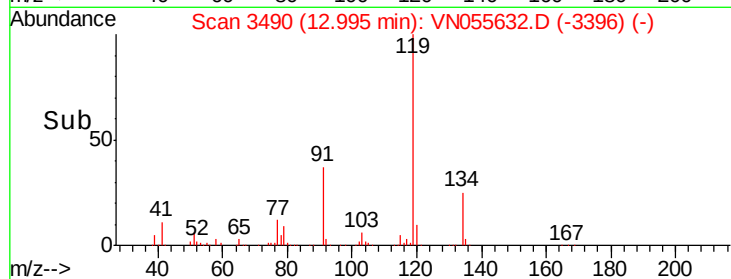
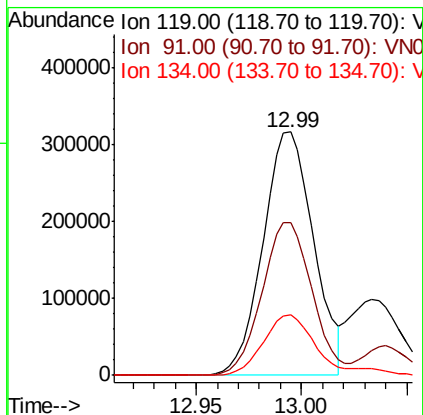
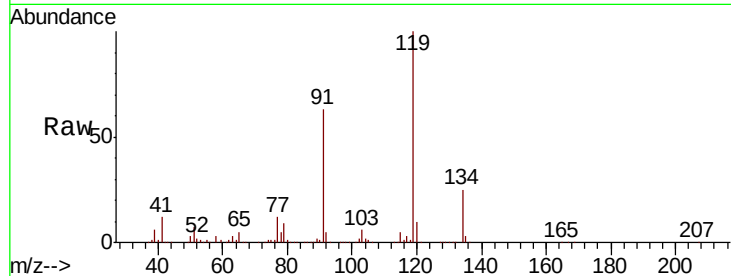




#83
 tert-Butylbenzene
 Concen: 50.371 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

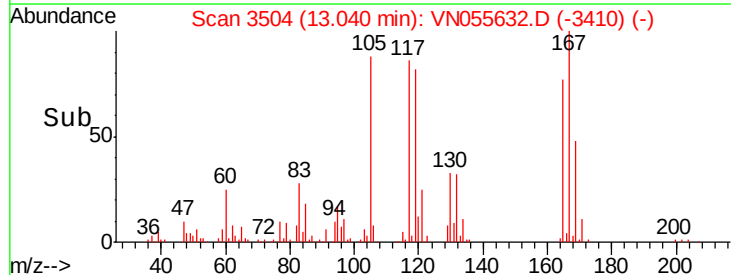
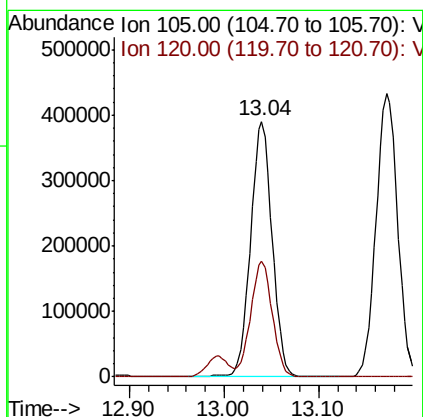
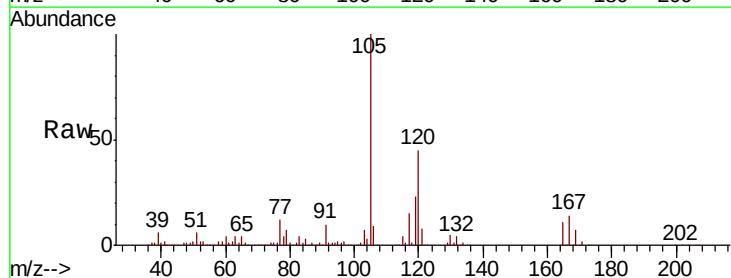
Instrument :
 MSVOA_N
 ClientSampleId :

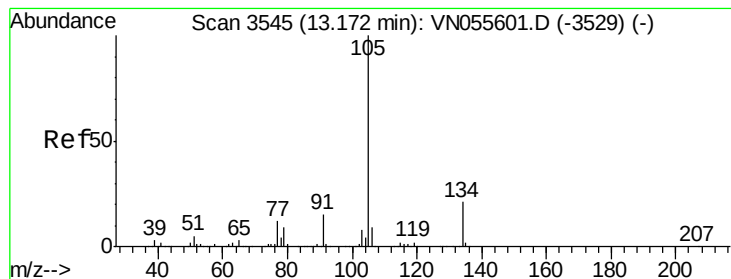
Tot Ion:119 Resp: 529851
 Ion Ratio Lower Upper
 119 100
 91 61.7 31.3 93.8
 134 24.7 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 49.788 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

Tgt Ion:105 Resp: 616310
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 49.461 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

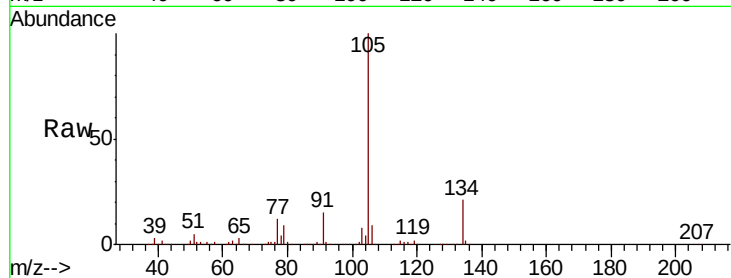
ClientSampleId :

Tot Ion:105 Resp: 684052

Ion Ratio Lower Upper

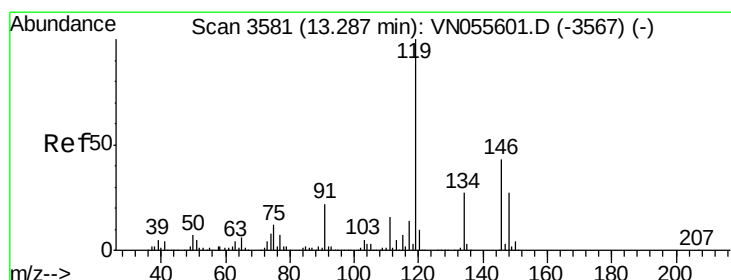
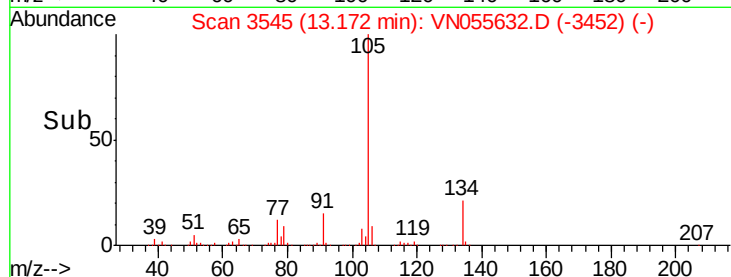
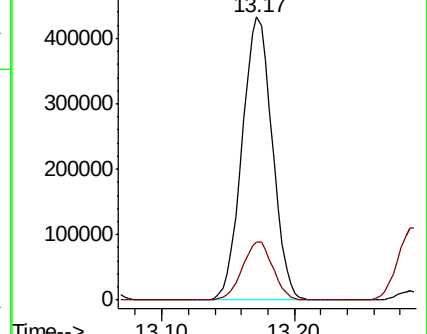
105 100

134 20.8 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.943 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

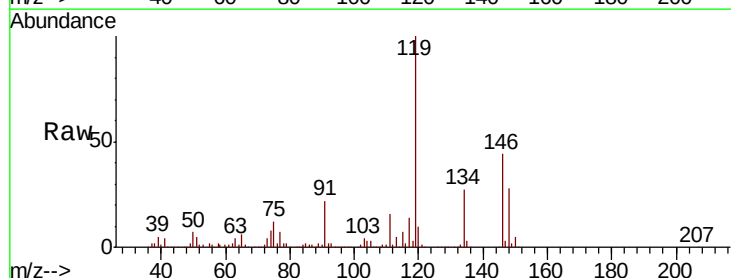
Tgt Ion:119 Resp: 630400

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

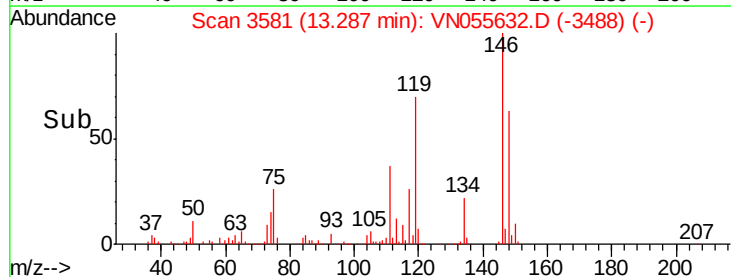
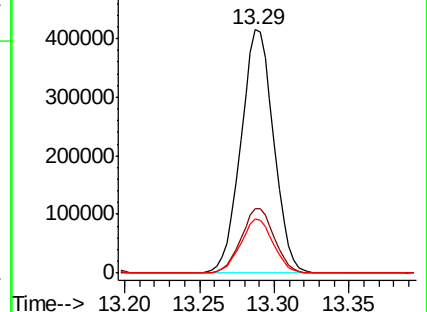
91 22.0 11.0 33.0

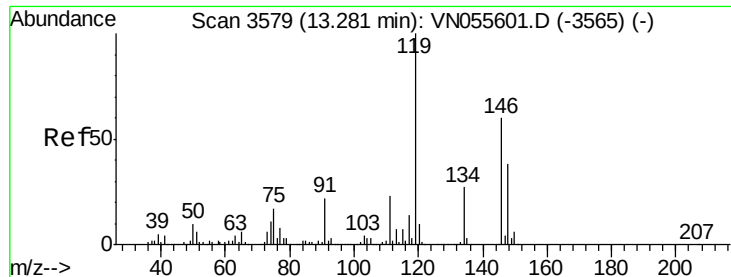


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.404 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

ClientSampled :

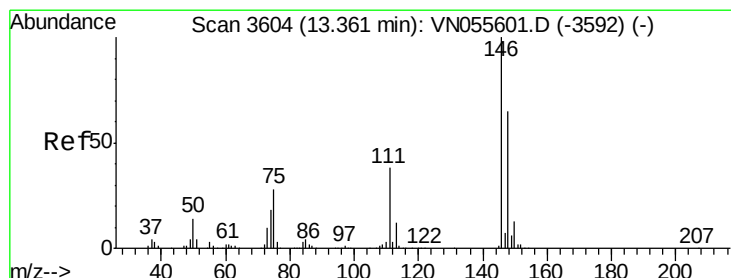
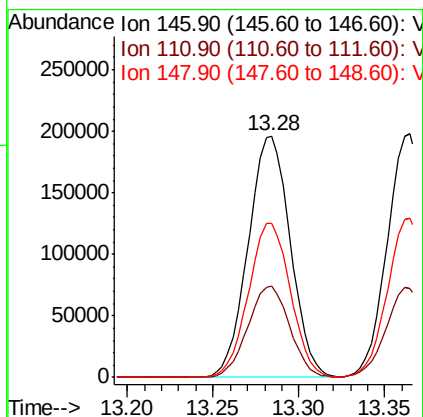
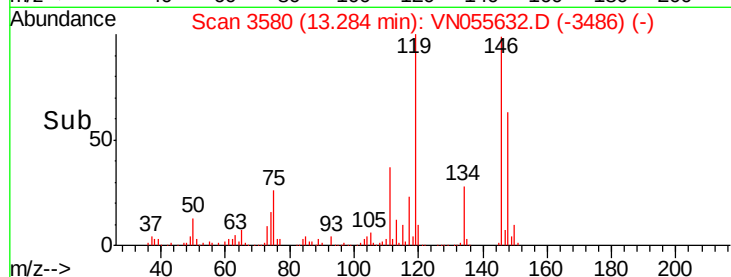
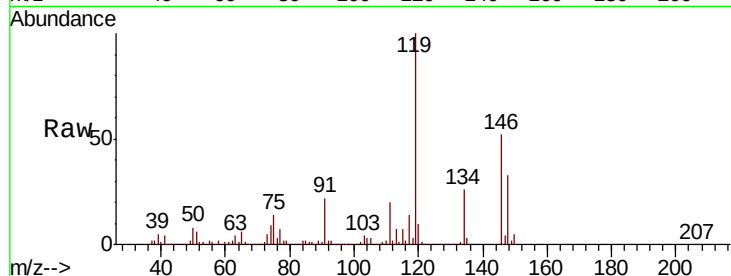
Tot Ion:146 Resp: 332835

Ion Ratio Lower Upper

146 100

111 37.6 18.9 56.9

148 63.7 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 48.206 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

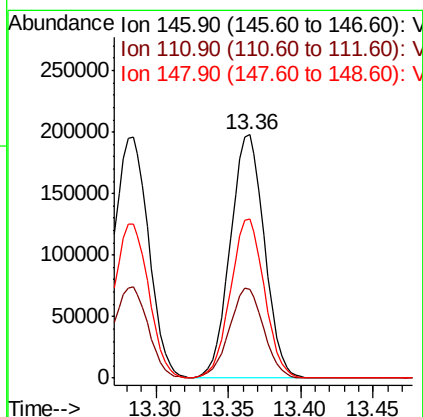
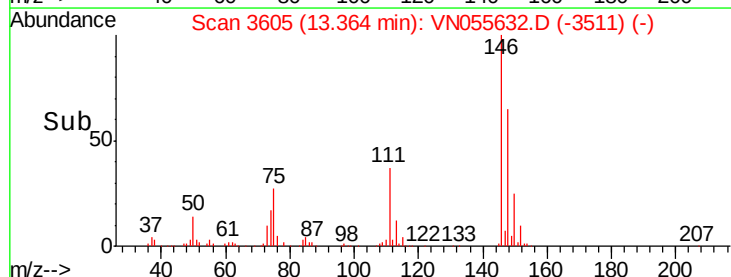
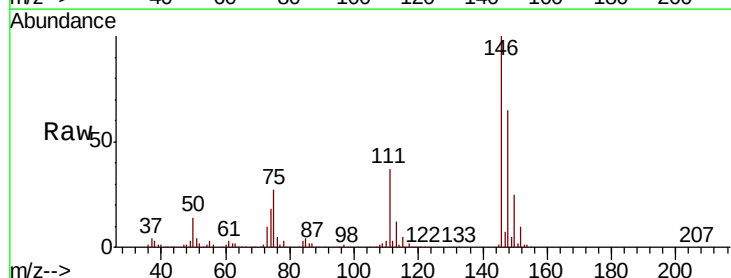
Tgt Ion:146 Resp: 323178

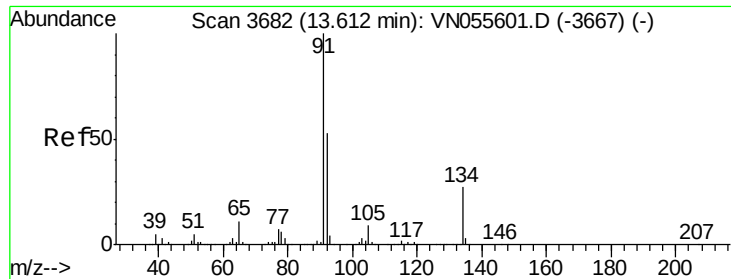
Ion Ratio Lower Upper

146 100

111 36.9 18.8 56.4

148 64.9 32.4 97.0





#89

n-Butylbenzene

Concen: 45.326 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

ClientSampled :

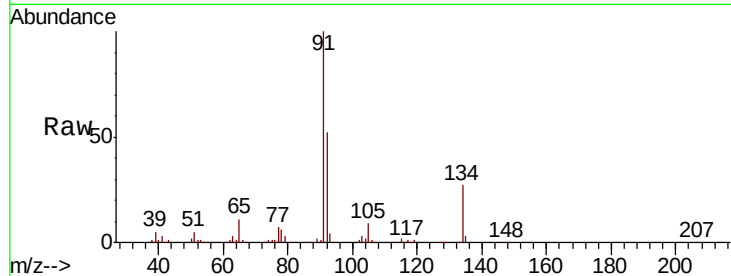
Tot Ion: 91 Resp: 514290

Ion Ratio Lower Upper

91 100

92 52.4 26.4 79.0

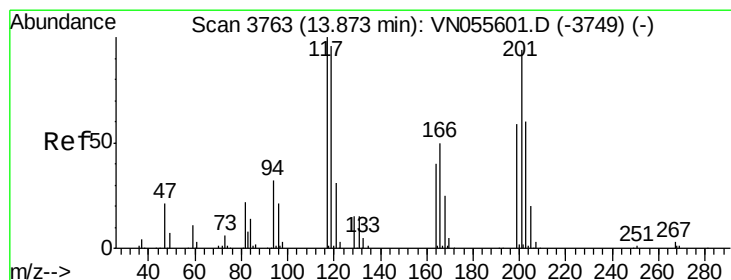
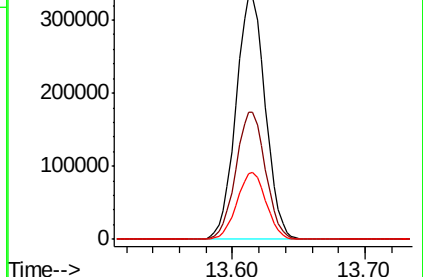
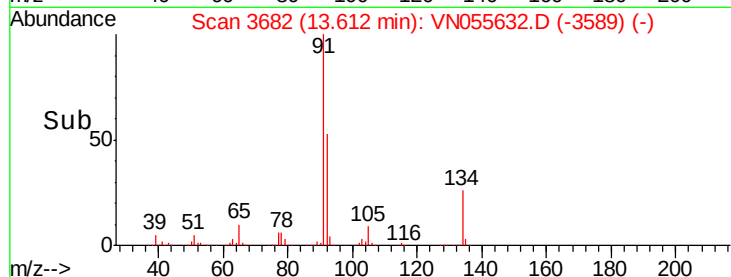
134 27.4 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN055601.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN055601.D (-3667) (-)



#90

Hexachloroethane

Concen: 50.401 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055632.D

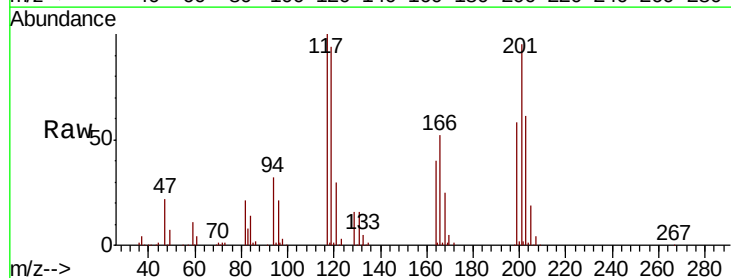
Acq: 17 May 2019 23:50

Tgt Ion: 117 Resp: 123896

Ion Ratio Lower Upper

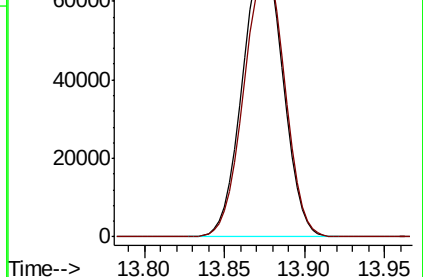
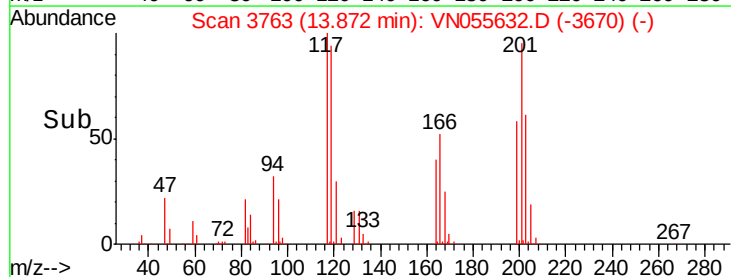
117 100

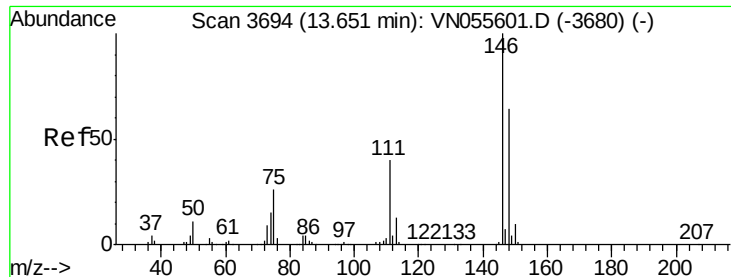
201 96.5 47.1 141.3



Abundance Ion 116.80 (116.50 to 117.50): VN055601.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055601.D (-3749) (-)

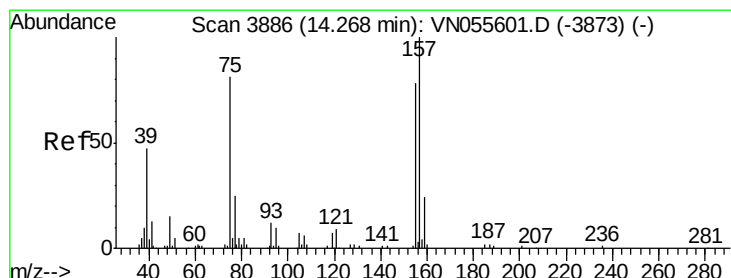
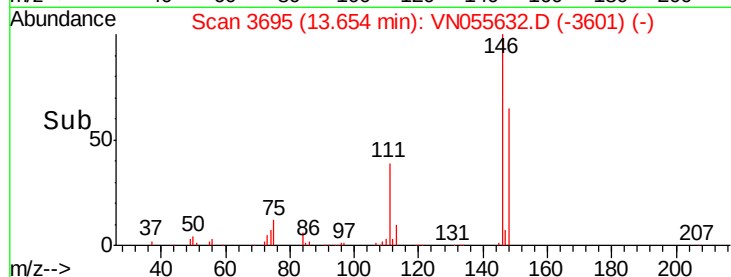
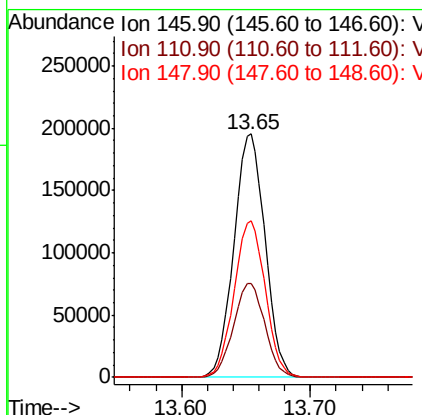
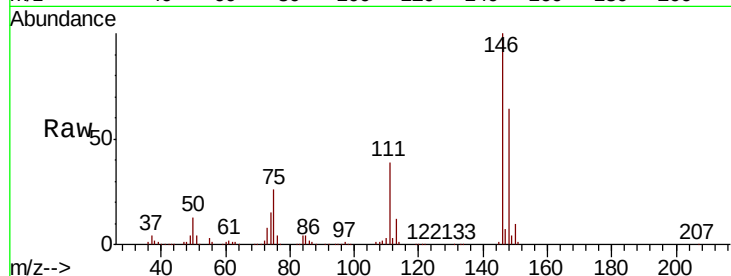




#91
 1,2-Dichlorobenzene
 Concen: 46.897 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

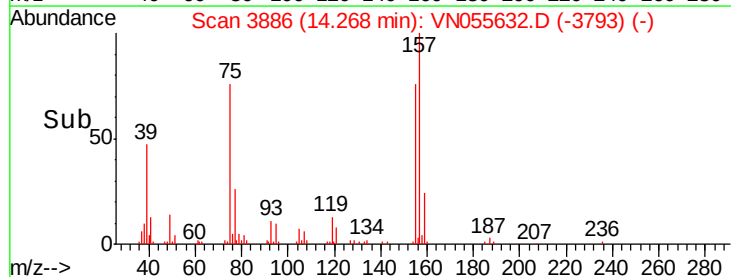
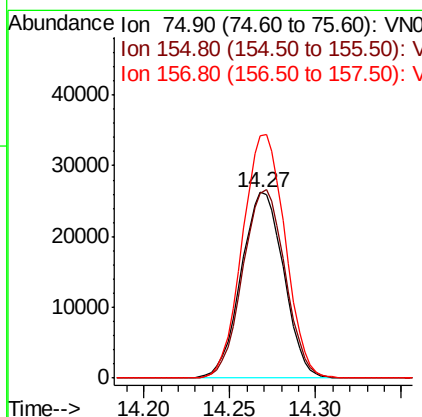
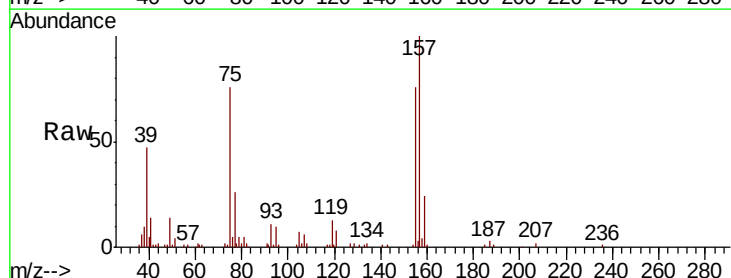
Instrument :
 MSVOA_N
 ClientSampled :

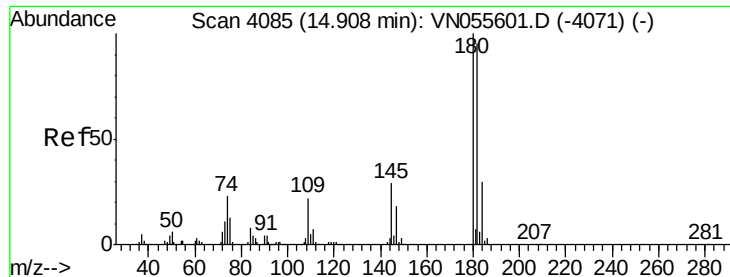
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	64.0	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.304 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	48.4	145.0
157	130.8	62.3	186.8

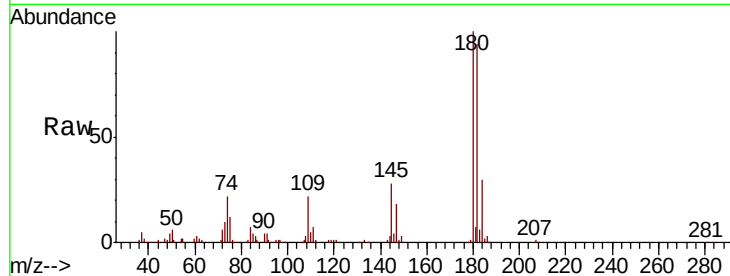




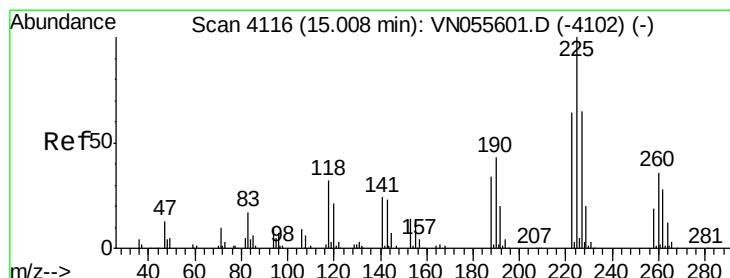
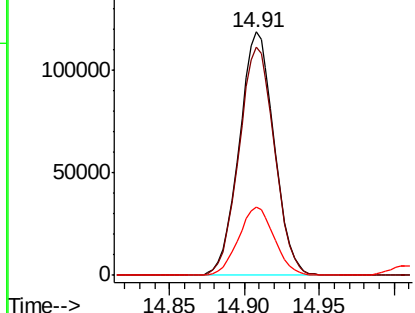
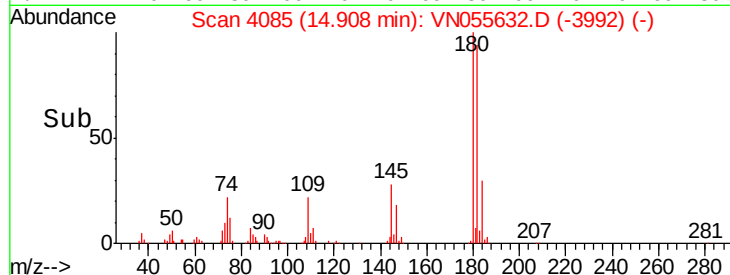
#93
 1,2,4-Trichlorobenzene
 Concen: 53.989 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 192347
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.6
 145 28.6 14.3 42.9

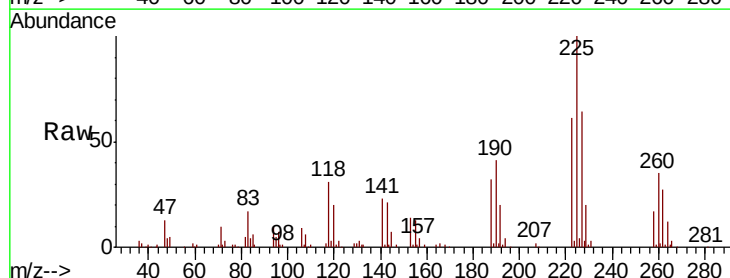


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

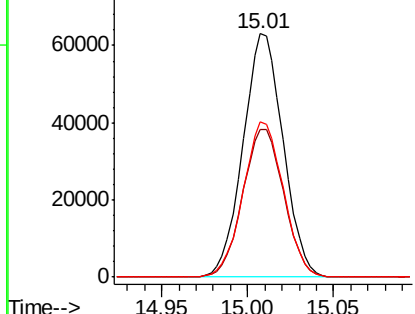
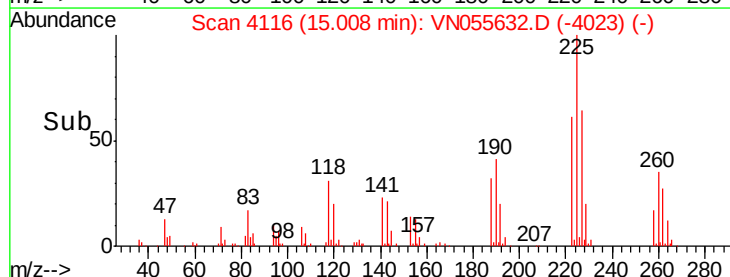


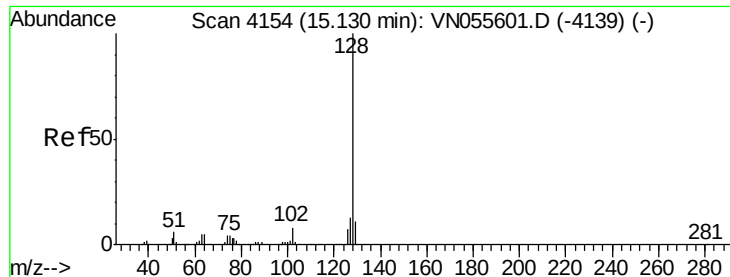
#94
 Hexachlorobutadiene
 Concen: 47.214 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055632.D
 Acq: 17 May 2019 23:50

Tgt Ion:225 Resp: 101873
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.6 94.7
 227 64.1 32.4 97.0



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: 50.574 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

Instrument :

MSVOA_N

ClientSampleId :

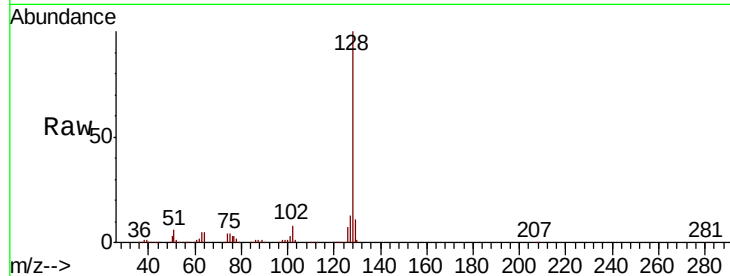
Tot Ion:128 Resp: 544013

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.9 8.6 12.8

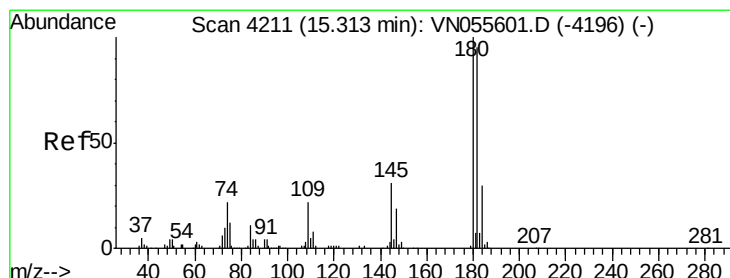
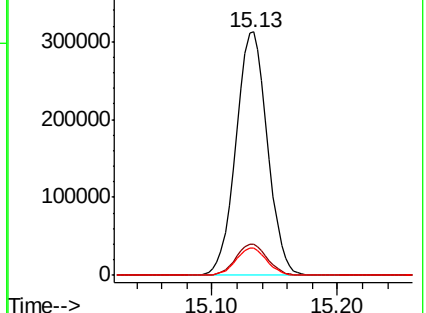
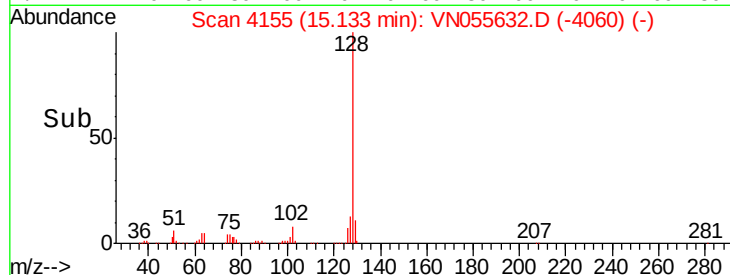


Abundance

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: 51.557 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055632.D

Acq: 17 May 2019 23:50

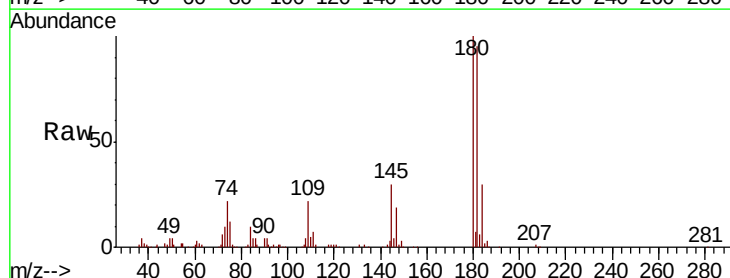
Tgt Ion:180 Resp: 192056

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.6

145 30.2 15.4 46.1



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

