

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061088.D
 Acq On : 18 Apr 2020 6:08
 Operator : JC/MD
 Sample : L2338-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 01:43:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	137900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	243256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	226074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	106488	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	89656	50.82	ug/l	0.00
Spiked Amount						
			Recovery	=	101.64%	
35) Dibromofluoromethane	7.56	113	68415	48.16	ug/l	0.00
Spiked Amount						
			Recovery	=	96.32%	
50) Toluene-d8	10.08	98	249652	46.51	ug/l	0.00
Spiked Amount						
			Recovery	=	93.02%	
62) 4-Bromofluorobenzene	12.39	95	100695	47.86	ug/l	0.00
Spiked Amount						
			Recovery	=	95.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	88598	48.619	ug/l	100
3) Chloromethane	2.04	50	125159	51.173	ug/l	99
4) Vinyl Chloride	2.17	62	105779	52.044	ug/l	99
5) Bromomethane	2.54	94	51000	50.036	ug/l	98
6) Chloroethane	2.68	64	63760	54.381	ug/l	100
7) Trichlorofluoromethane	3.00	101	134073	52.985	ug/l	99
8) Diethyl Ether	3.38	74	52872	52.572	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	72241	48.661	ug/l	99
10) Methyl Iodide	3.93	142	70820	54.074	ug/l	99
11) Tert butyl alcohol	4.72	59	81796	261.295	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	78425	51.969	ug/l	99
13) Acrolein	3.57	56	54871	207.598	ug/l	97
14) Allyl chloride	4.29	41	136659	47.862	ug/l	99
15) Acrylonitrile	4.94	53	236224	278.313	ug/l	100
16) Acetone	3.78	43	196953	253.617	ug/l	98
17) Carbon Disulfide	4.03	76	234939	49.753	ug/l	99
18) Methyl Acetate	4.28	43	112463	46.183	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	275968	52.447	ug/l	98
20) Methylene Chloride	4.52	84	88864	52.411	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	85382	52.899	ug/l	97
22) Diisopropyl ether	5.91	45	311942	52.603	ug/l	97
23) Vinyl Acetate	5.86	43	1005111	216.144	ug/l	100
24) 1,1-Dichloroethane	5.82	63	168339	52.560	ug/l	99
25) 2-Butanone	6.80	43	318330	267.504	ug/l	99
26) 2,2-Dichloropropane	6.79	77	100019	37.506	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	96729	52.200	ug/l	97
28) Bromochloromethane	7.17	49	78579	53.449	ug/l	100
29) Tetrahydrofuran	7.18	42	219434	271.618	ug/l	100
30) Chloroform	7.35	83	158485	53.052	ug/l	99
31) Cyclohexane	7.63	56	158148	48.119	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	136236	52.723	ug/l	99
36) 1,1-Dichloropropene	7.77	75	124184	49.472	ug/l	99
37) Ethyl Acetate	6.89	43	116595	42.777	ug/l	100
38) Carbon Tetrachloride	7.75	117	109619	52.464	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	138824	46.258	ug/l	99
40) Benzene	8.02	78	373377	50.139	ug/l	99
41) Methacrylonitrile	7.18	41	197600	173.810	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	131001	51.640	ug/l	99
43) Isopropyl Acetate	8.14	43	205148	46.278	ug/l	99
44) Trichloroethene	8.81	130	91421	48.857	ug/l	100
45) 1,2-Dichloropropane	9.10	63	101249	50.337	ug/l	99
46) Dibromomethane	9.19	93	61042	52.636	ug/l	99
47) Bromodichloromethane	9.38	83	125496	51.225	ug/l	97
48) Methyl methacrylate	9.18	41	102135	52.136	ug/l	98
49) 1,4-Dioxane	9.18	88	25992	956.157	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	679556	265.925	ug/l	100
52) Toluene	10.14	92	224749	50.308	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	138997	48.843	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	146010	47.024	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	87525	51.770	ug/l	97
56) Ethyl methacrylate	10.42	69	139000	52.285	ug/l	98
57) 1,3-Dichloropropane	10.69	76	153988	51.064	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.82	63	695	0.575	ug/l #	51
59) 2-Hexanone	10.74	43	494266	268.195	ug/l	100
60) Dibromochloromethane	10.89	129	92773	53.419	ug/l	99
61) 1,2-Dibromoethane	10.99	107	89646	52.037	ug/l	99
64) Tetrachloroethene	10.62	164	86930	50.250	ug/l	99
65) Chlorobenzene	11.42	112	228401	48.940	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	83047	49.738	ug/l	99
67) Ethyl Benzene	11.50	91	428848	48.850	ug/l	99
68) m/p-Xylenes	11.61	106	313260	98.737	ug/l	99
69) o-Xylene	11.94	106	150079	49.199	ug/l	99
70) Styrene	11.96	104	250426	50.994	ug/l	99
71) Bromoform	12.12	173	65400	52.474	ug/l #	99
73) Isopropylbenzene	12.24	105	402177	47.141	ug/l	100
74) N-amyl acetate	12.06	43	162788	41.032	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	129571	49.754	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	170315	72.713	ug/l #	100
77) Bromobenzene	12.52	156	95756	48.073	ug/l	99
78) n-propylbenzene	12.58	91	478047	47.894	ug/l	100
79) 2-Chlorotoluene	12.67	91	282015	48.174	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	337977	47.928	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	40390	42.533	ug/l	98
82) 4-Chlorotoluene	12.77	91	291908	48.079	ug/l	99
83) tert-Butylbenzene	12.99	119	284686	48.005	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	337221	48.379	ug/l	100
85) sec-Butylbenzene	13.17	105	384435	47.843	ug/l	99
86) p-Isopropyltoluene	13.28	119	336446	47.021	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	169765	47.823	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	168611	47.213	ug/l	100
89) n-Butylbenzene	13.61	91	303472	45.609	ug/l	100
90) Hexachloroethane	13.87	117	53282	48.536	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	165236	48.770	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	26448	52.475	ug/l	98

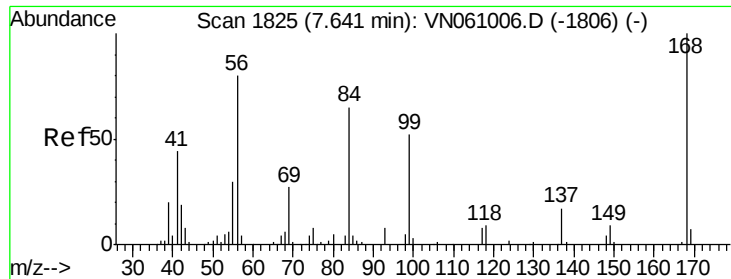
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	96876	48.309	ug/l	100
94) Hexachlorobutadiene	15.00	225	44798	43.425	ug/l	100
95) Naphthalene	15.13	128	296961	50.777	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	95057	49.188	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

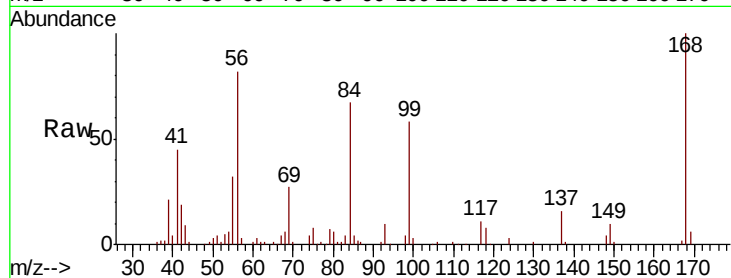
ClientSampled :

Tot Ion:168 Resp: 137900

Ion Ratio Lower Upper

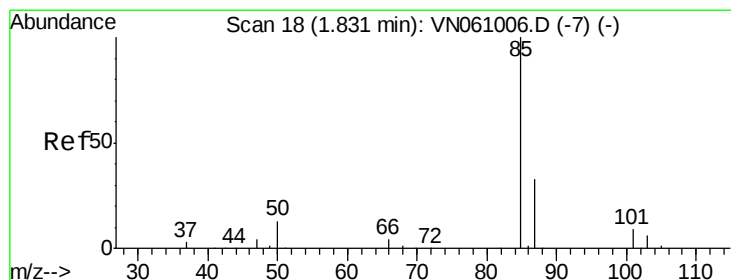
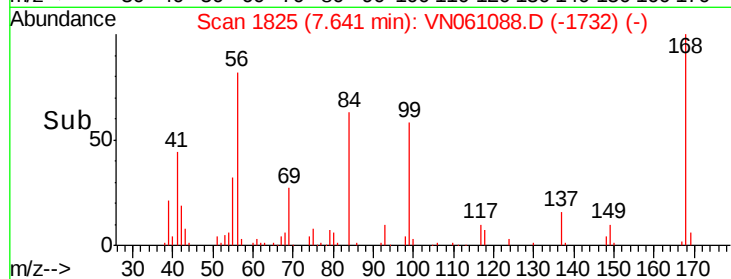
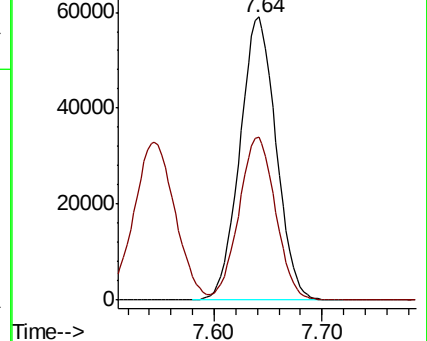
168 100

99 57.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.619 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061088.D

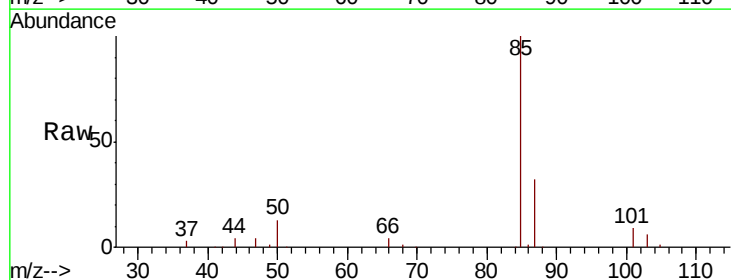
Acq: 18 Apr 2020 6:08

Tgt Ion: 85 Resp: 88598

Ion Ratio Lower Upper

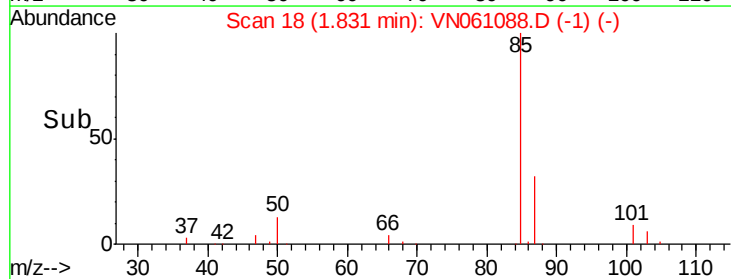
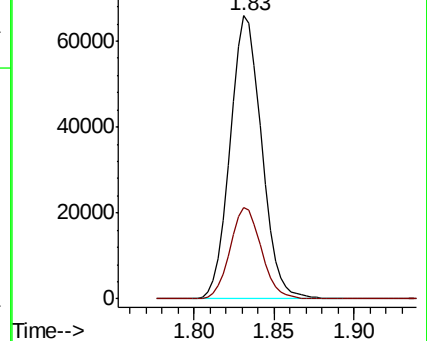
85 100

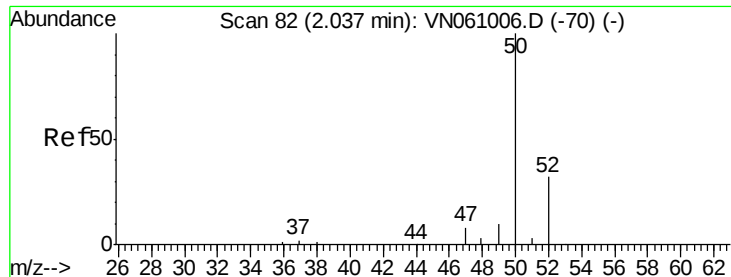
87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

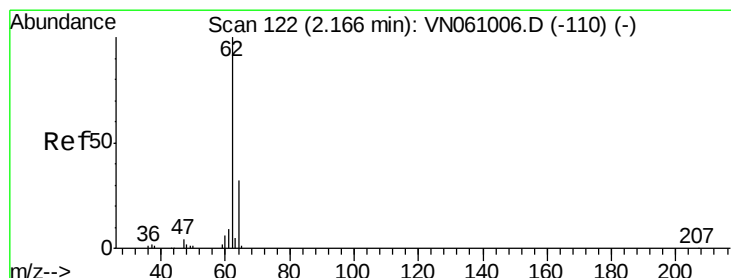
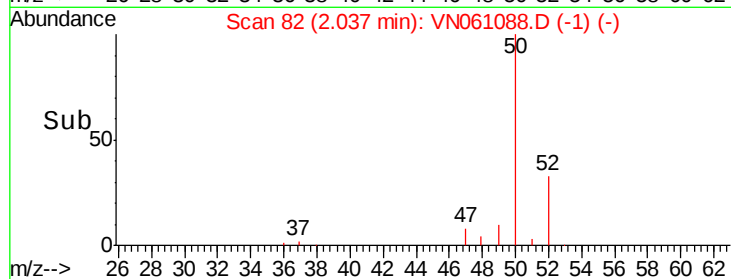
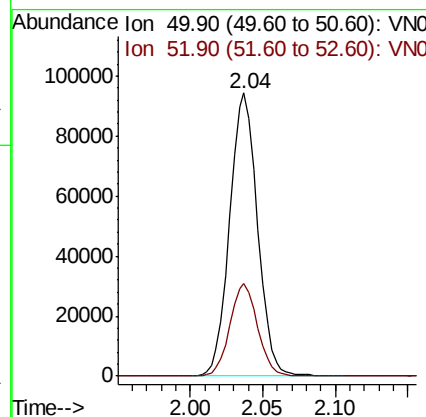
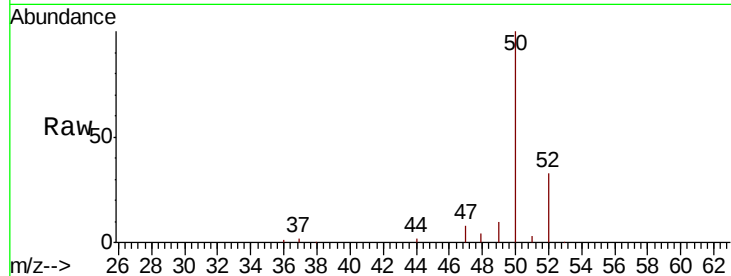




#3
Chloromethane
Concen: 51.173 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

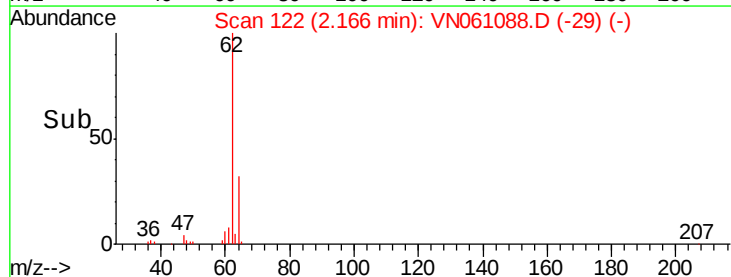
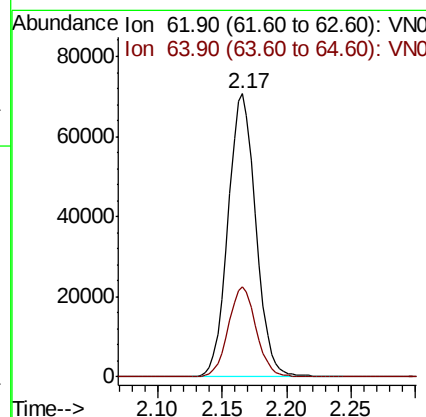
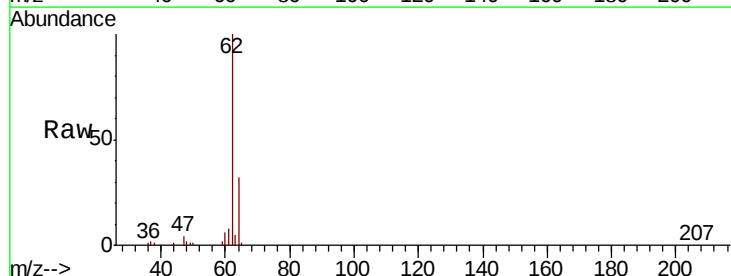
Instrument :
MSVOA_N
ClientSampled :

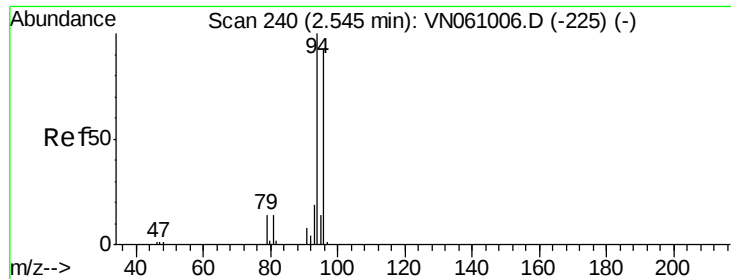
Tot Ion: 50 Resp: 125159
Ion Ratio Lower Upper
50 100
52 32.6 25.6 38.4



#4
Vinyl Chloride
Concen: 52.044 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion: 62 Resp: 105779
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.0





#5

Bromomethane

Concen: 50.036 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

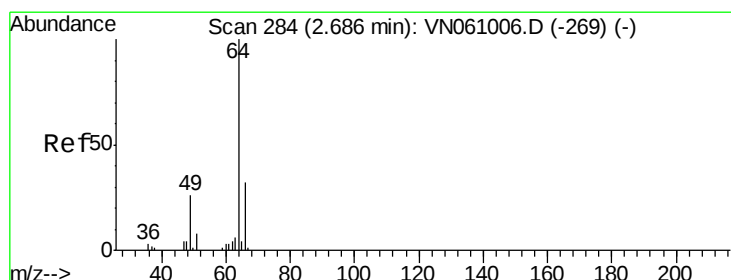
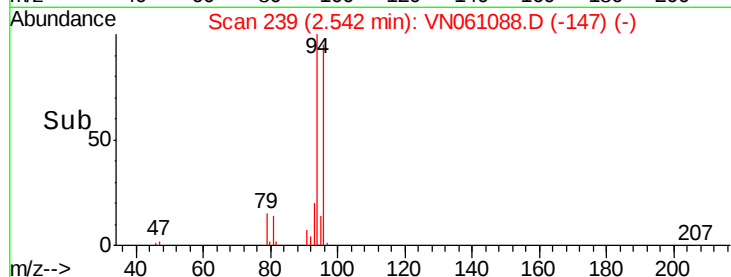
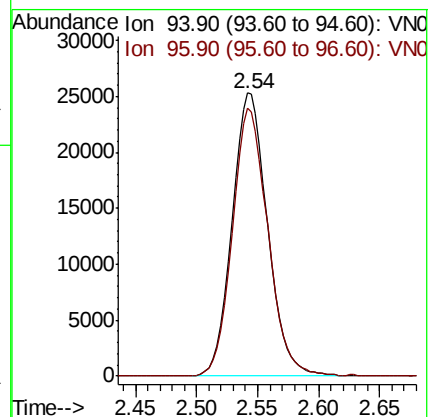
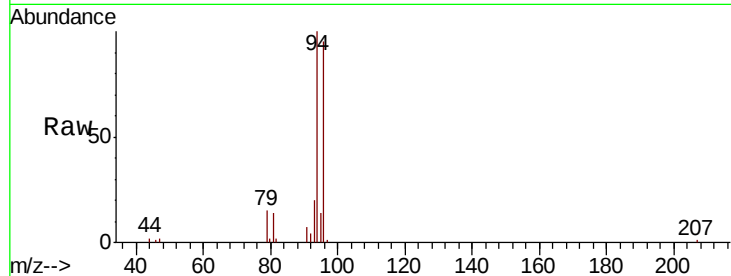
ClientSampleId :

Tot Ion: 94 Resp: 51000

Ion Ratio Lower Upper

94 100

96 94.7 74.3 111.5



#6

Chloroethane

Concen: 54.381 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN061088.D

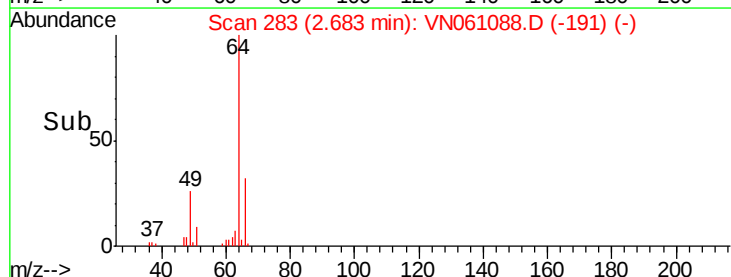
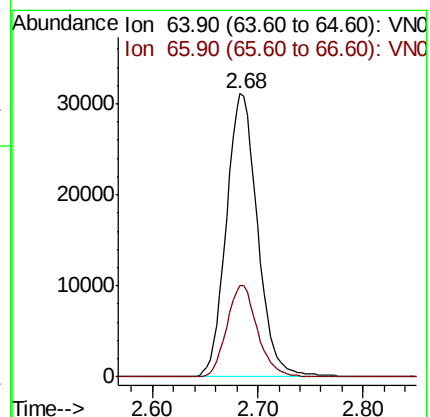
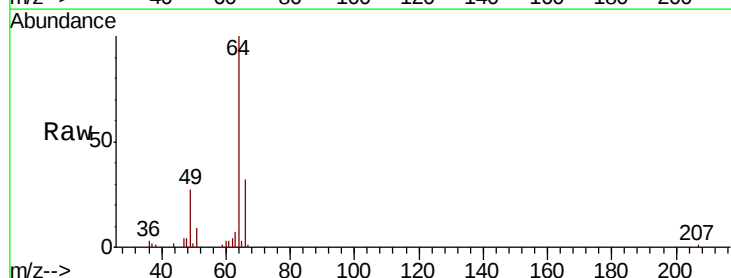
Acq: 18 Apr 2020 6:08

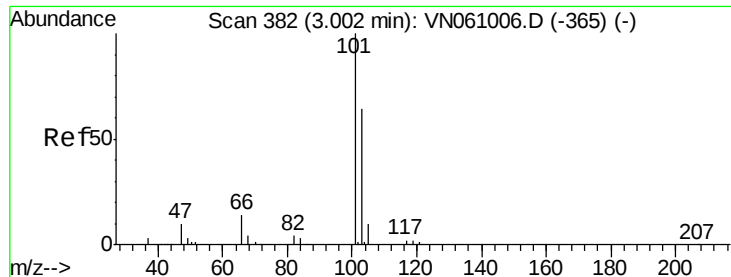
Tgt Ion: 64 Resp: 63760

Ion Ratio Lower Upper

64 100

66 32.1 25.8 38.8



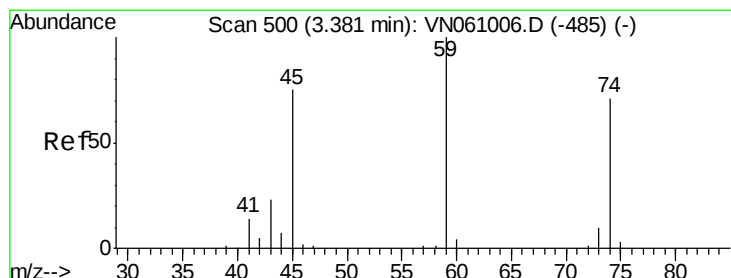
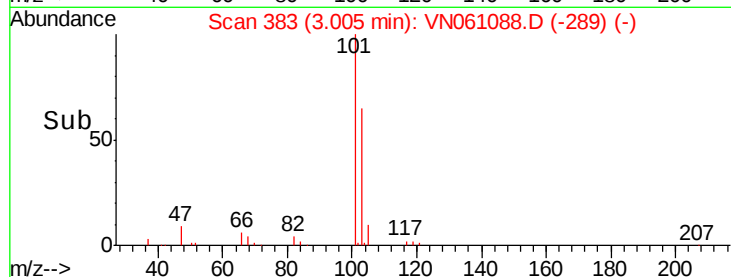
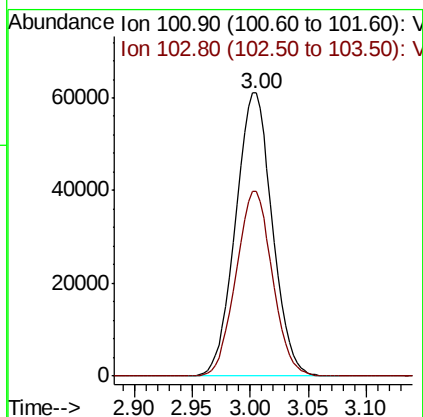
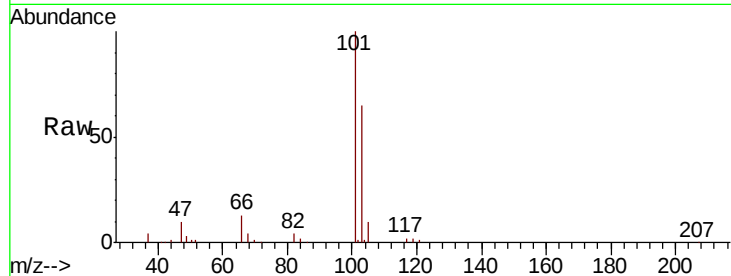


#7

Trichlorofluoromethane
 Concen: 52.985 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :

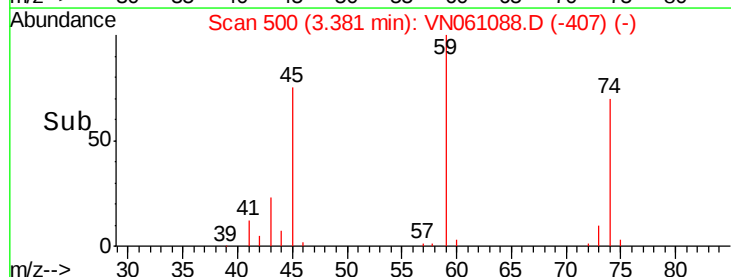
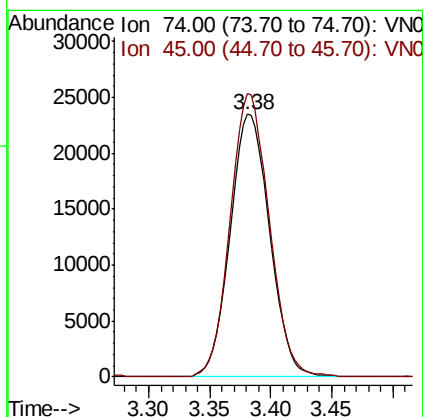
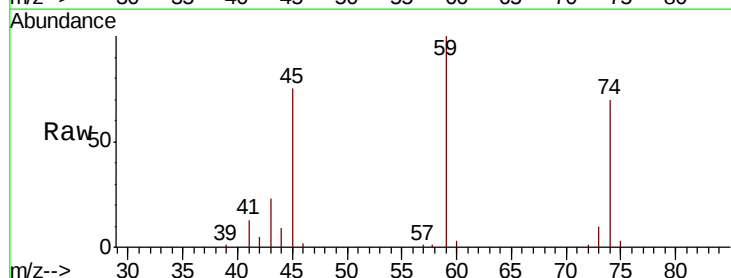
Tot Ion:101 Resp: 134073
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.4 77.2

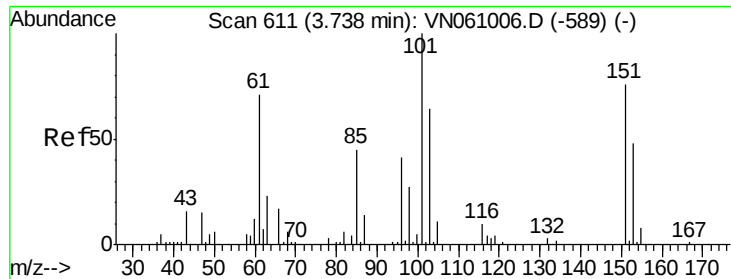


#8

Diethyl Ether
 Concen: 52.572 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion: 74 Resp: 52872
 Ion Ratio Lower Upper
 74 100
 45 106.6 52.9 158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.661 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampleId :

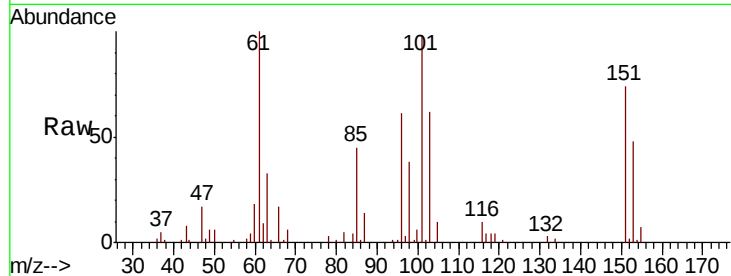
Tot Ion:101 Resp: 72241

Ion Ratio Lower Upper

101 100

85 45.7 35.9 53.9

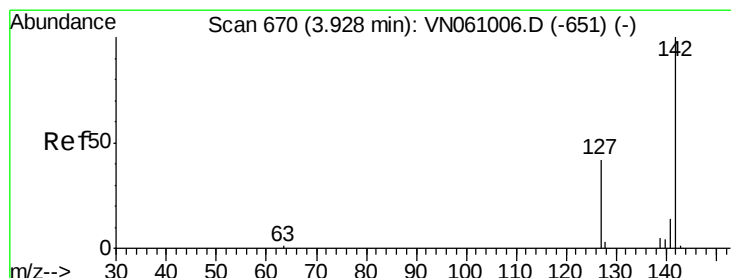
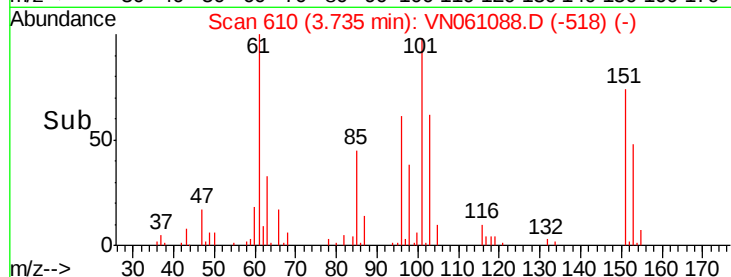
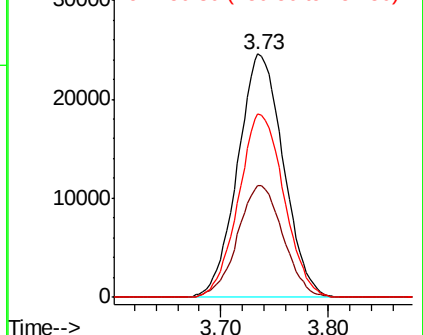
151 75.1 60.8 91.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.074 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

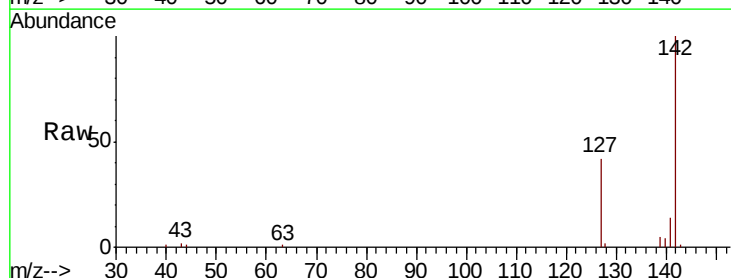
Tgt Ion:142 Resp: 70820

Ion Ratio Lower Upper

142 100

127 42.3 33.4 50.2

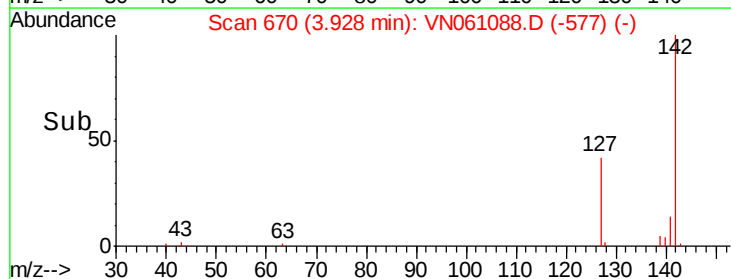
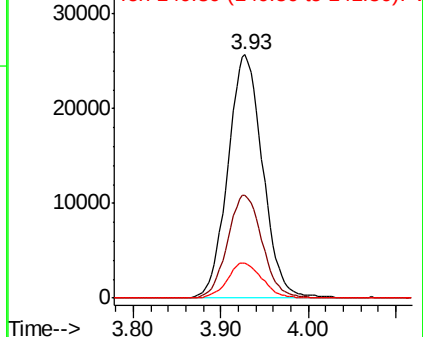
141 14.3 11.0 16.6

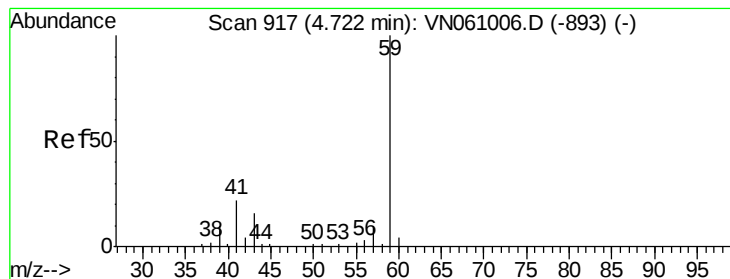


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



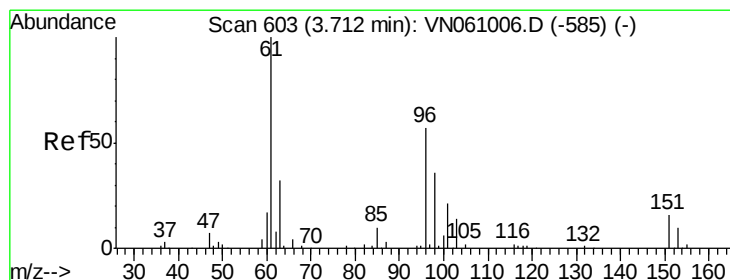
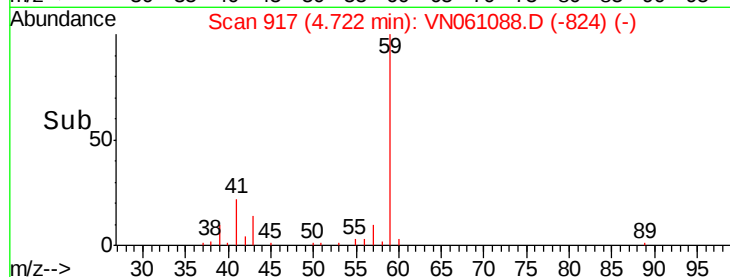
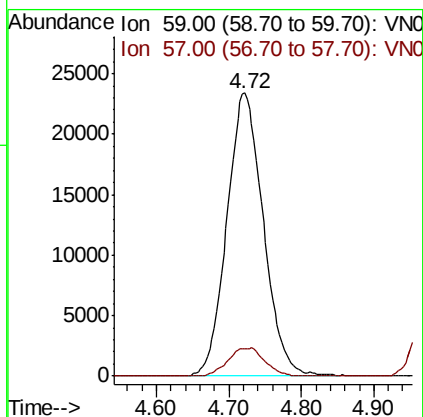
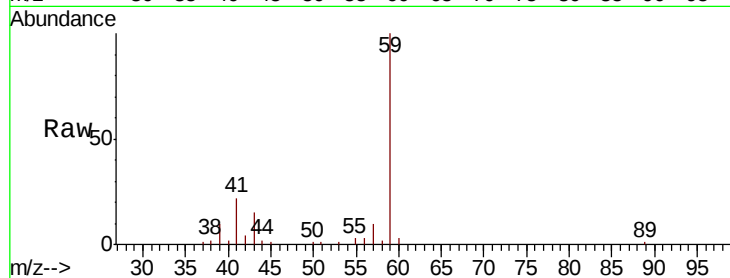


#11

Tert butyl alcohol
Concen: 261.295 ug/l
RT: 4.72 min Scan# 917
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :

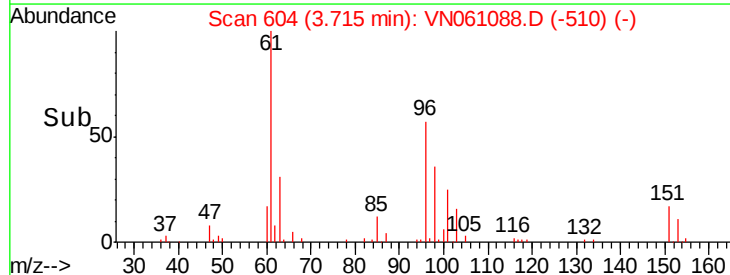
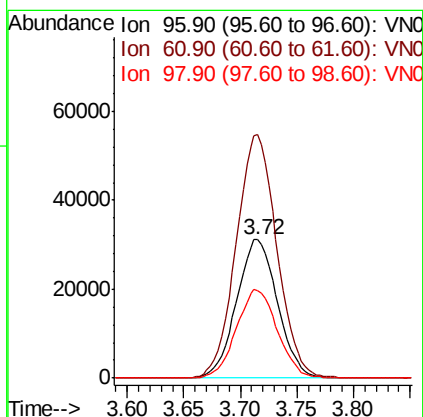
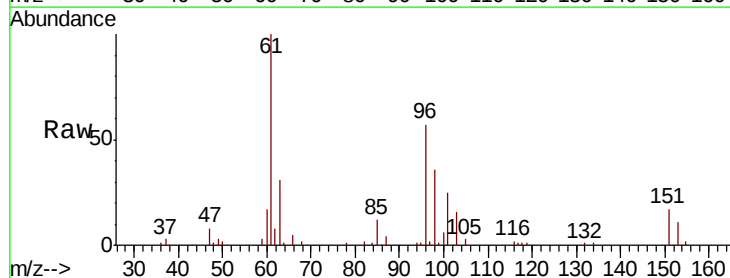
Tot Ion: 59 Resp: 81796
Ion Ratio Lower Upper
59 100
57 5.5 8.1 12.1#



#12

1,1-Dichloroethene
Concen: 51.969 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion: 96 Resp: 78425
Ion Ratio Lower Upper
96 100
61 175.7 139.2 208.8
98 63.2 50.0 75.0





#13

Acrolein

Concen: 207.598 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

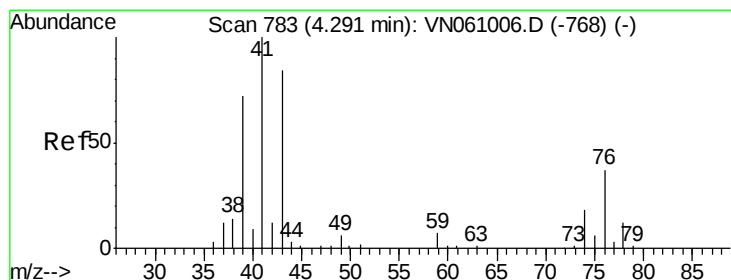
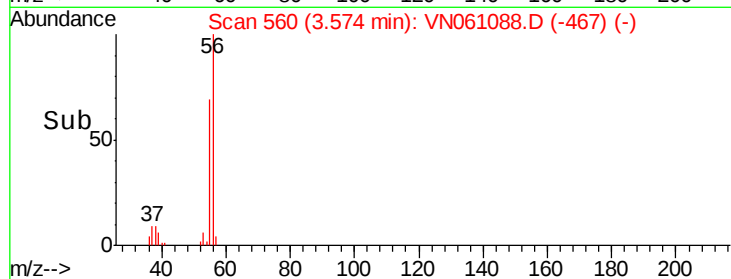
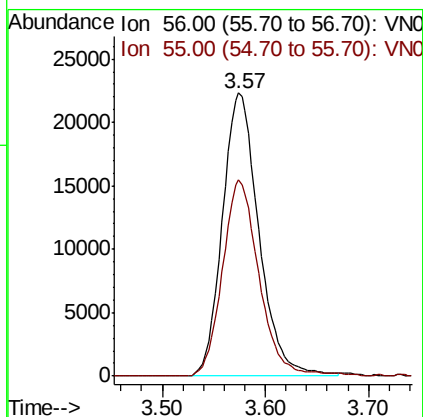
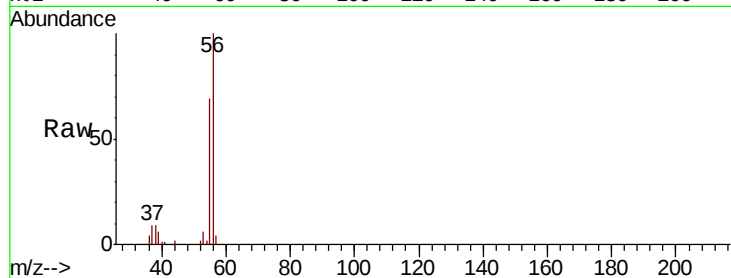
ClientSampled :

Tot Ion: 56 Resp: 54871

Ion Ratio Lower Upper

56 100

55 69.1 57.0 85.6



#14

Allyl chloride

Concen: 47.862 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

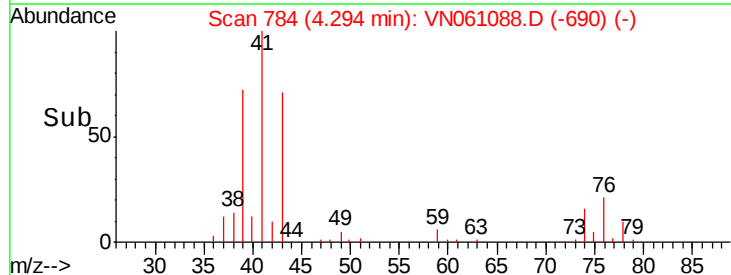
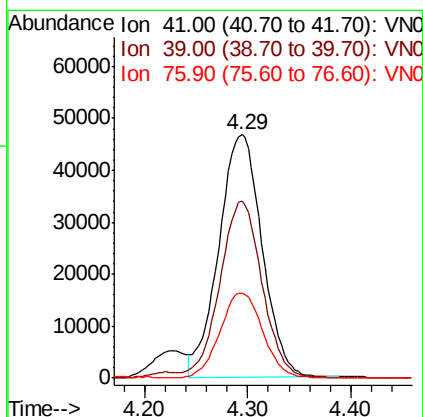
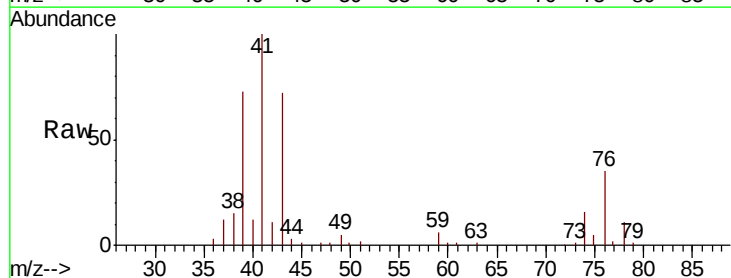
Tgt Ion: 41 Resp: 136659

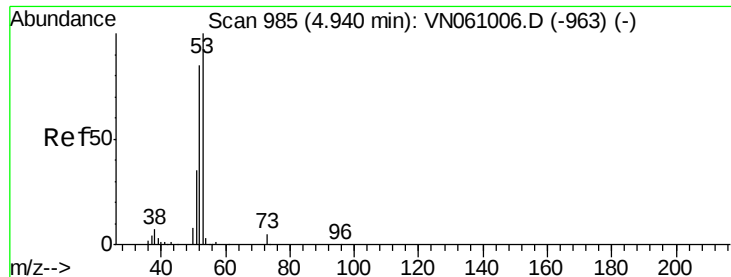
Ion Ratio Lower Upper

41 100

39 71.3 56.3 84.5

76 34.7 27.7 41.5





#15

Acrylonitrile

Concen: 278.313 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampleId :

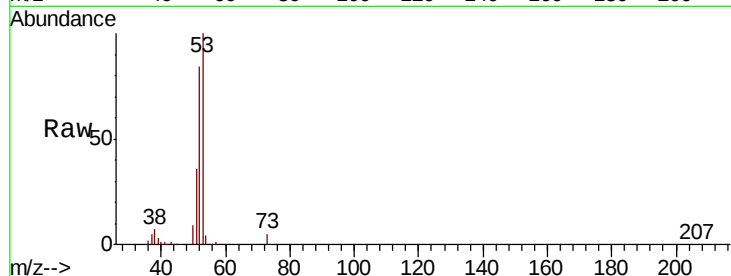
Tot Ion: 53 Resp: 236224

Ion Ratio Lower Upper

53 100

52 83.5 66.8 100.2

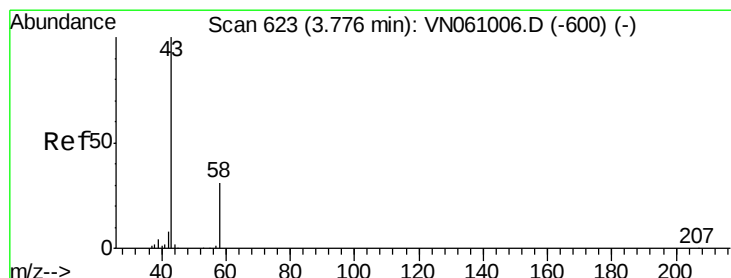
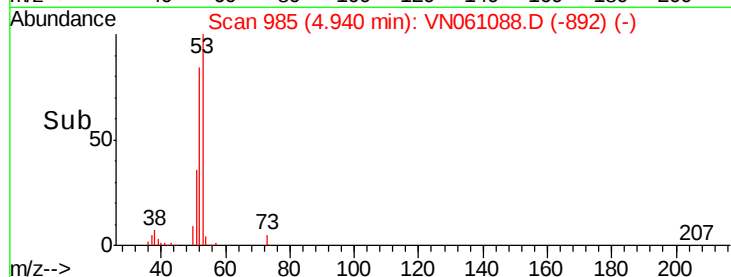
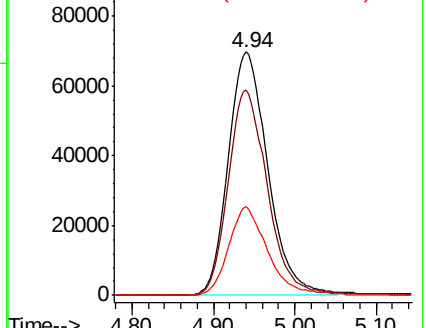
51 36.0 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN061088.D (-963) (-)

Ion 52.00 (51.70 to 52.70): VN061088.D (-963) (-)

Ion 51.00 (50.70 to 51.70): VN061088.D (-963) (-)



#16

Acetone

Concen: 253.617 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061088.D

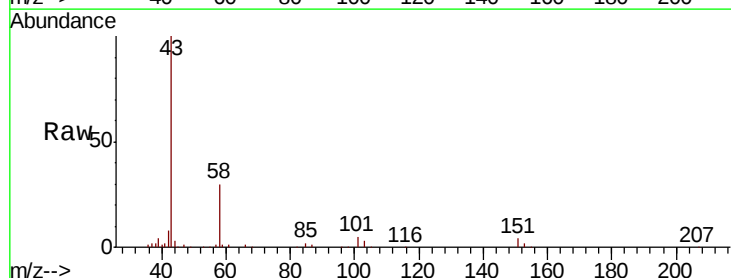
Acq: 18 Apr 2020 6:08

Tgt Ion: 43 Resp: 196953

Ion Ratio Lower Upper

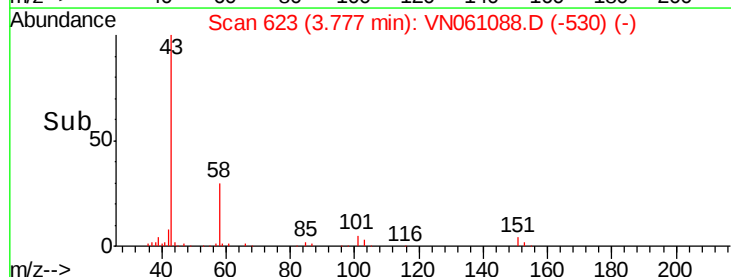
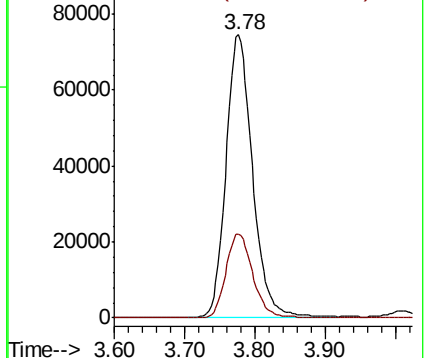
43 100

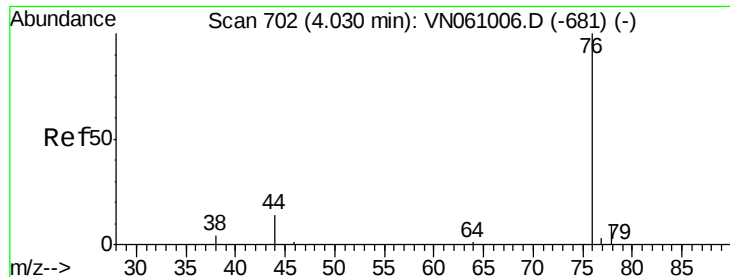
58 29.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061088.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN061088.D (-600) (-)

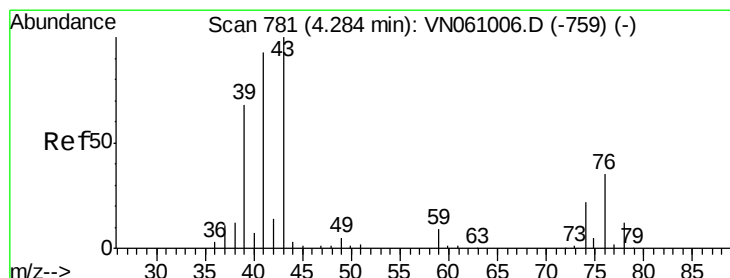
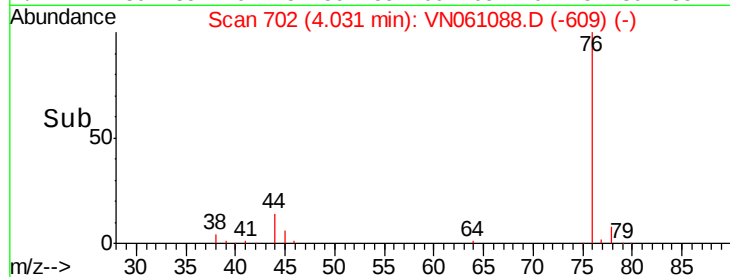
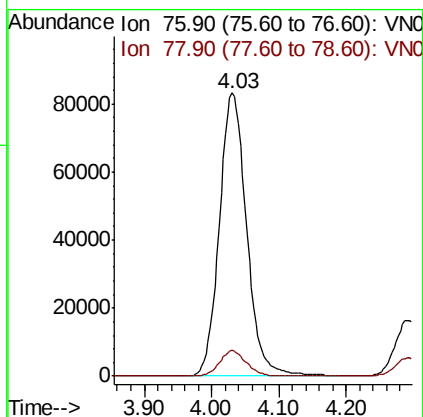
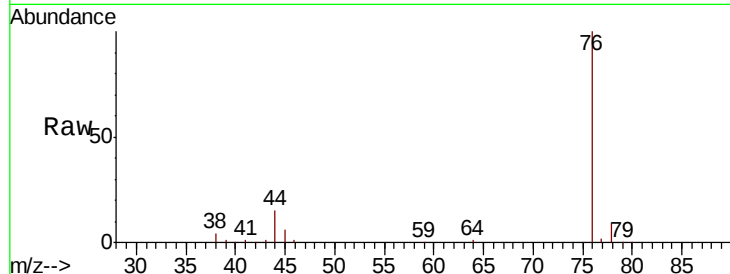




#17
Carbon Disulfide
Concen: 49.753 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

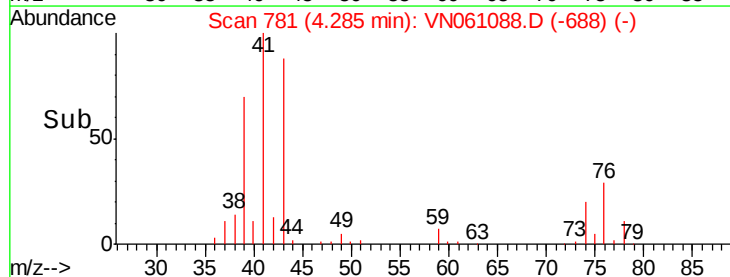
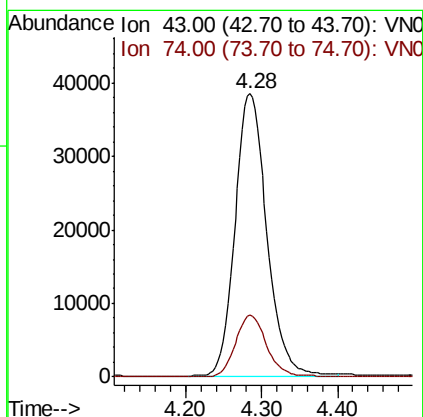
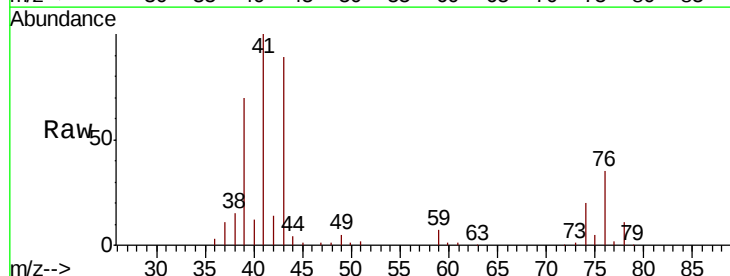
Instrument :
MSVOA_N
ClientSampleId :

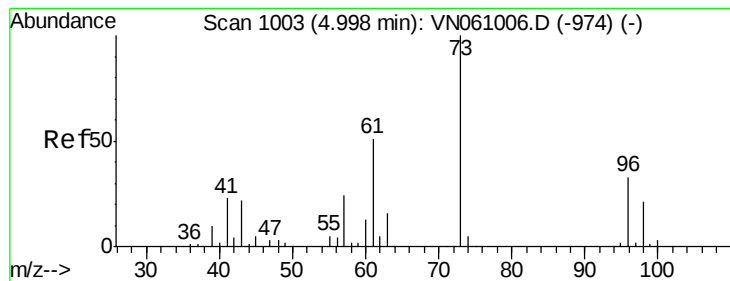
Tot Ion: 76 Resp: 234939
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4



#18
Methyl Acetate
Concen: 46.183 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion: 43 Resp: 112463
Ion Ratio Lower Upper
43 100
74 21.3 17.4 26.0



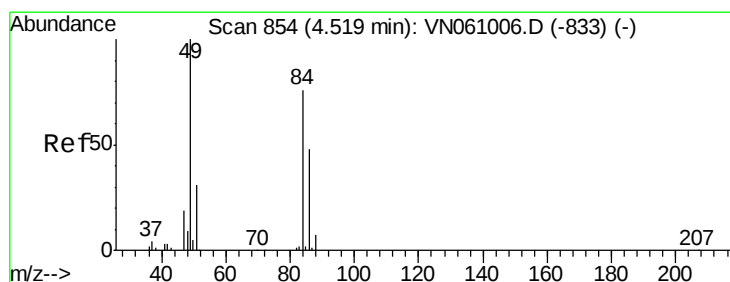
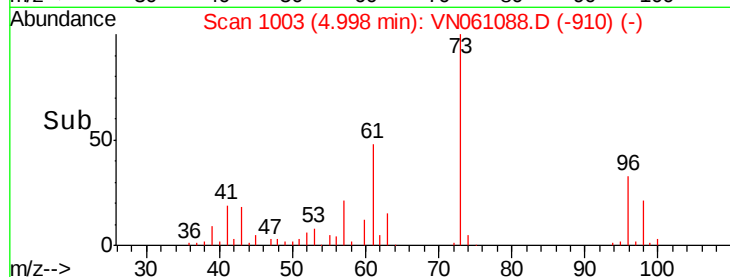
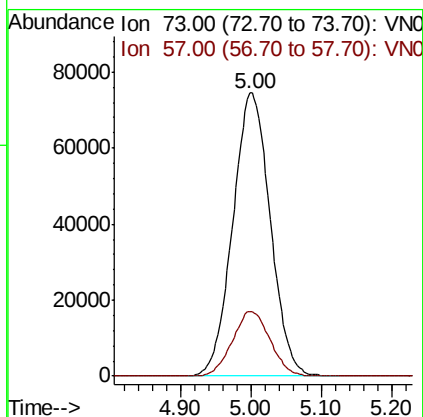
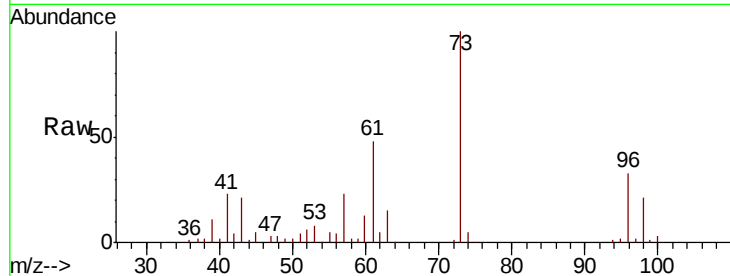


#19

Methyl tert-butyl Ether
 Concen: 52.447 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampled :

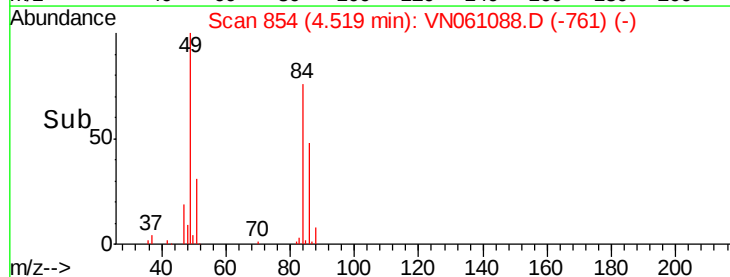
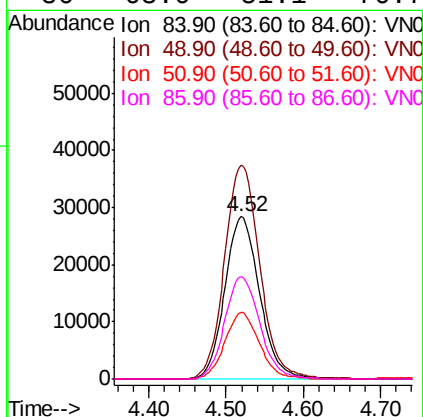
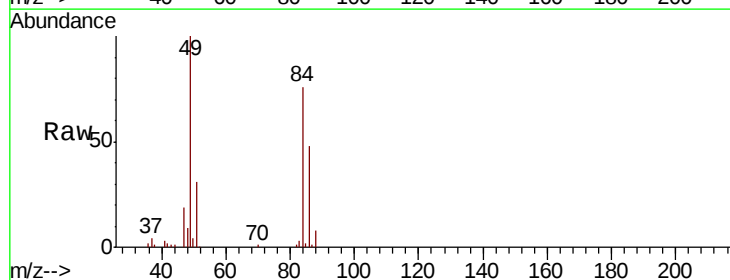
Tot Ion: 73 Resp: 275968
 Ion Ratio Lower Upper
 73 100
 57 22.8 19.0 28.4

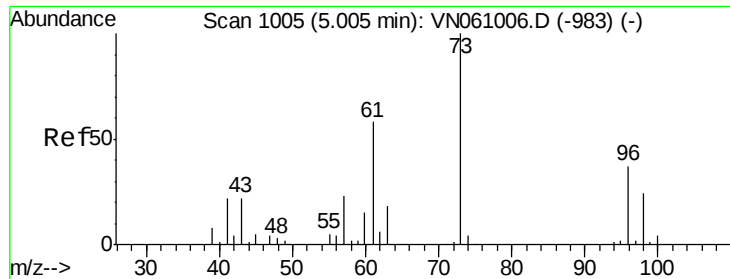


#20

Methylene Chloride
 Concen: 52.411 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion: 84 Resp: 88864
 Ion Ratio Lower Upper
 84 100
 49 131.7 105.8 158.6
 51 41.2 32.4 48.6
 86 63.0 51.1 76.7

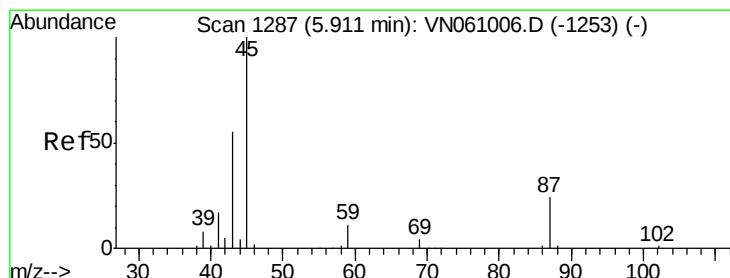
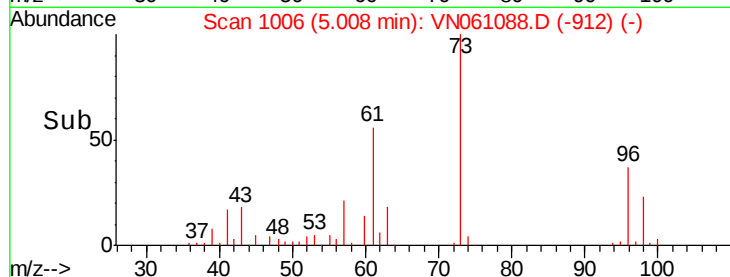
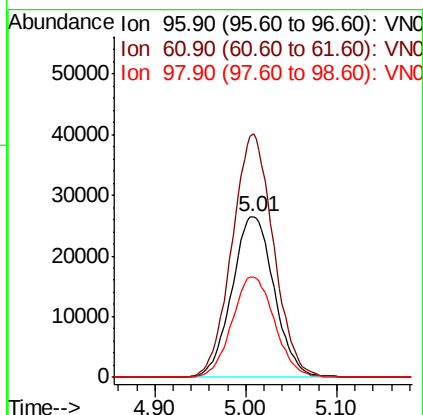
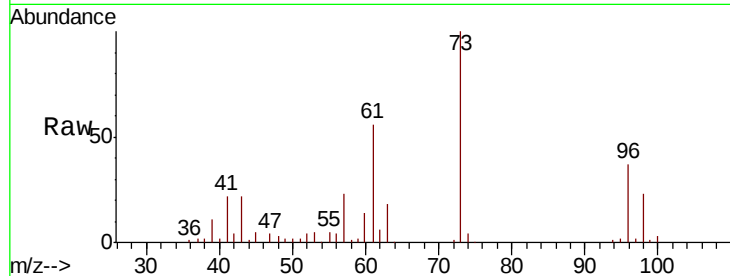




#21
trans-1,2-Dichloroethene
Concen: 52.899 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

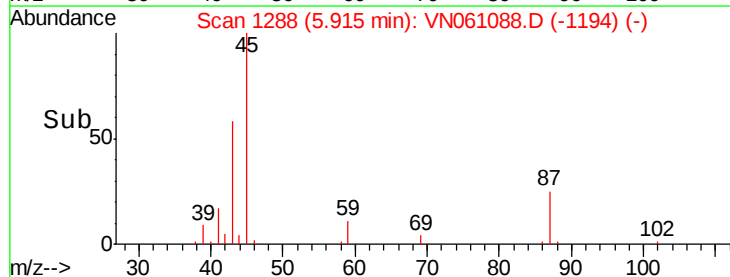
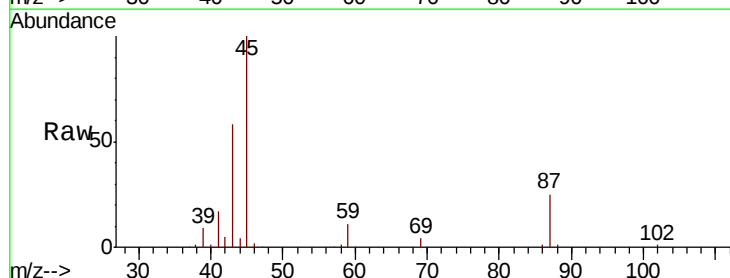
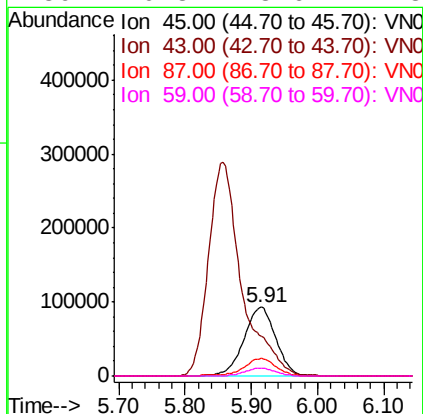
Instrument :
MSVOA_N
ClientSampleId :

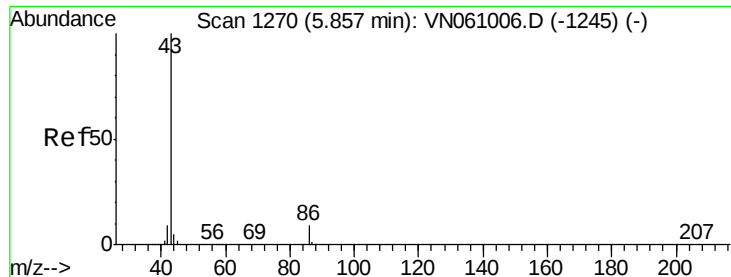
Tot Ion: 96 Resp: 85382
Ion Ratio Lower Upper
96 100
61 151.4 124.8 187.2
98 62.6 51.3 76.9



#22
Diisopropyl ether
Concen: 52.603 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion: 45 Resp: 311942
Ion Ratio Lower Upper
45 100
43 57.4 48.6 72.8
87 25.2 19.4 29.2
59 10.8 8.6 12.8





#23

Vinyl Acetate

Concen: 216.144 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

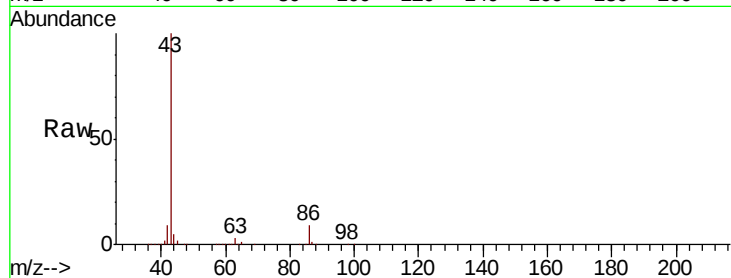
ClientSampleId :

Tot Ion: 43 Resp: 1005111

Ion Ratio Lower Upper

43 100

86 9.2 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-1245) (-)

Ion 86.00 (85.70 to 86.70): VN061006.D (-1245) (-)

5.86

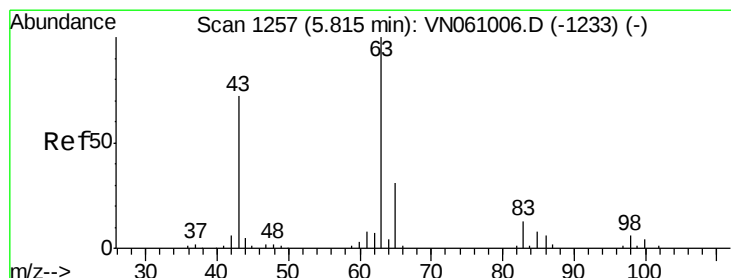
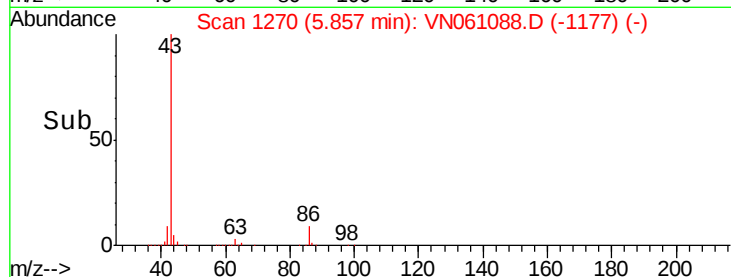
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 52.560 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

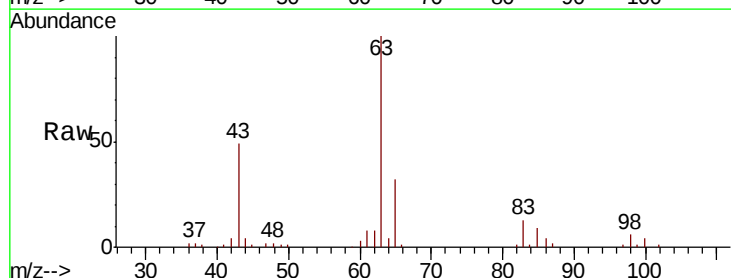
Tgt Ion: 63 Resp: 168339

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN061006.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN061006.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN061006.D (-1233) (-)

5.82

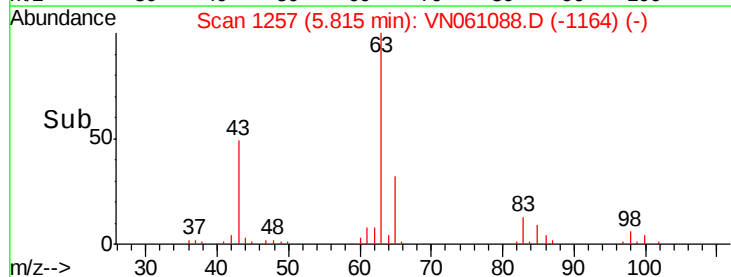
60000

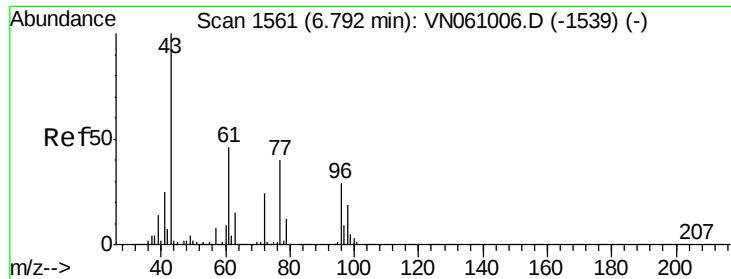
40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 267.504 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

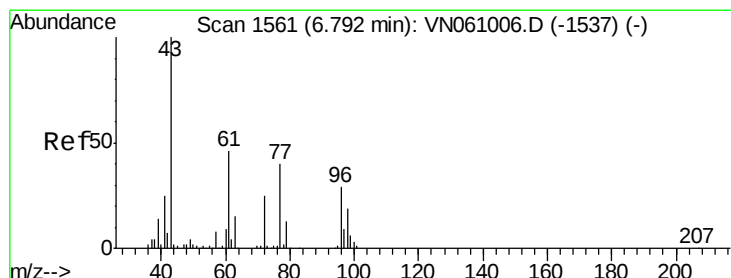
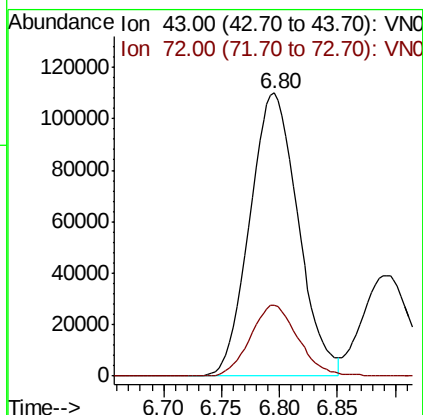
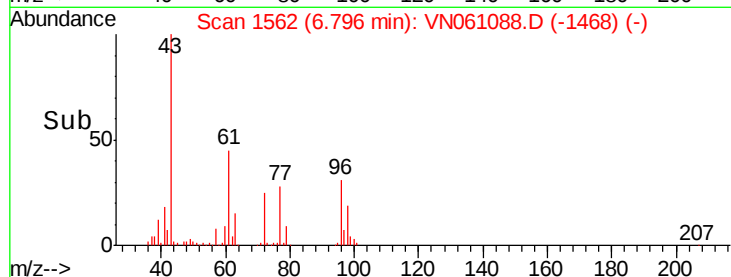
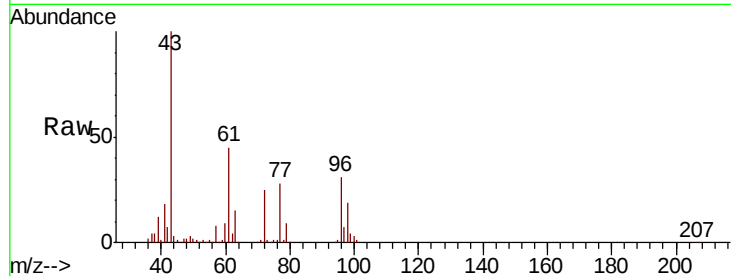
ClientSampled :

Tot Ion: 43 Resp: 318330

Ion Ratio Lower Upper

43 100

72 25.1 19.6 29.4



#26

2,2-Dichloropropane

Concen: 37.506 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VN061088.D

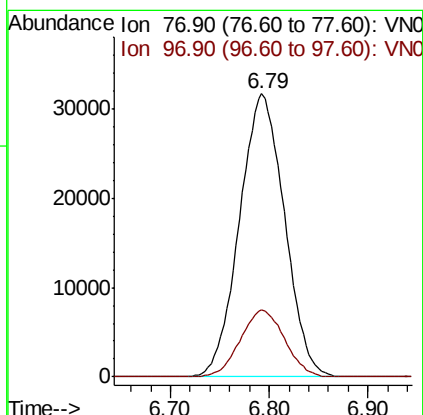
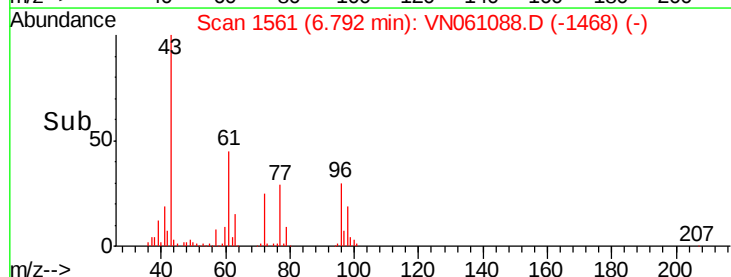
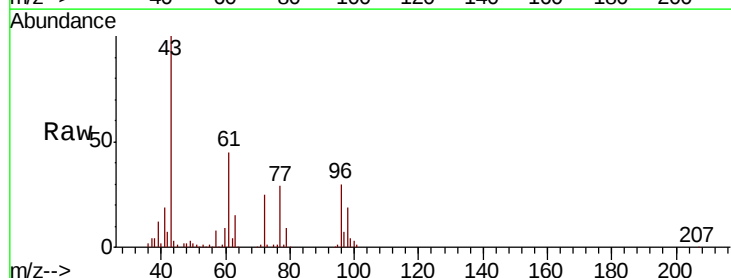
Acq: 18 Apr 2020 6:08

Tgt Ion: 77 Resp: 100019

Ion Ratio Lower Upper

77 100

97 23.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 52.200 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :

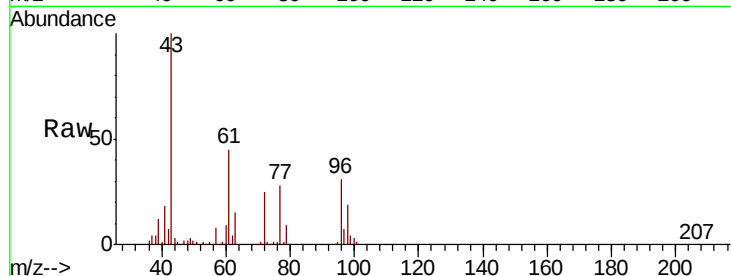
Tot Ion: 96 Resp: 96729

Ion Ratio Lower Upper

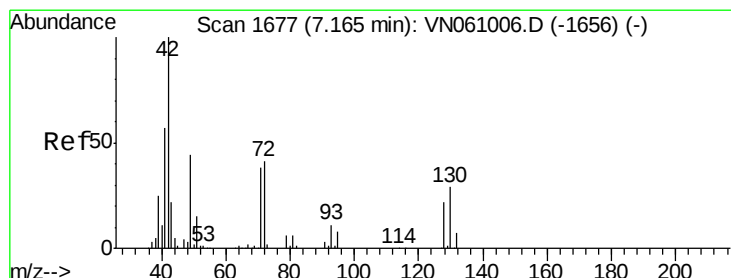
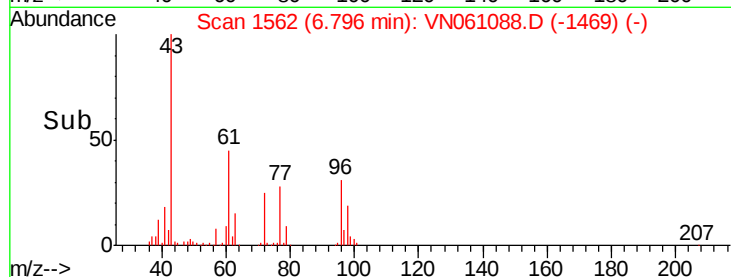
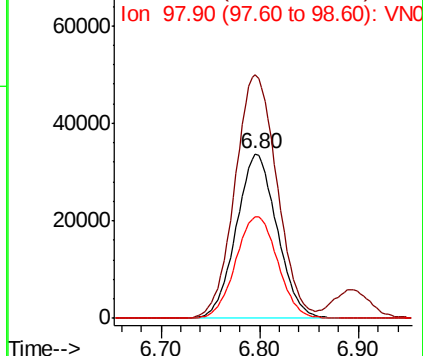
96 100

61 152.8 0.0 317.4

98 63.6 0.0 127.8



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: 53.449 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

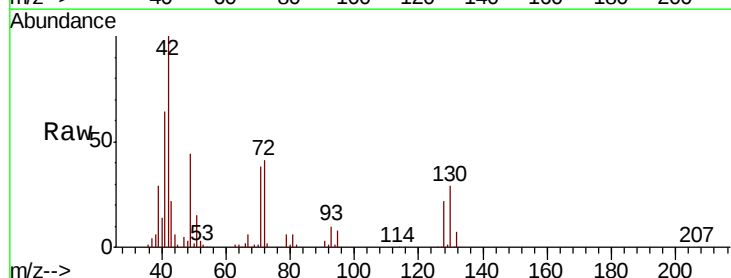
Tgt Ion: 49 Resp: 78579

Ion Ratio Lower Upper

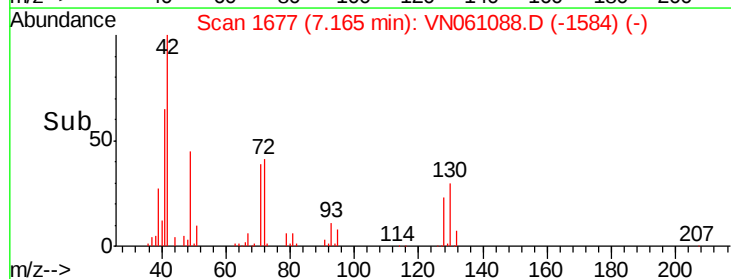
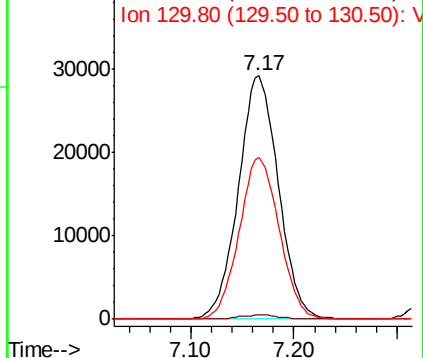
49 100

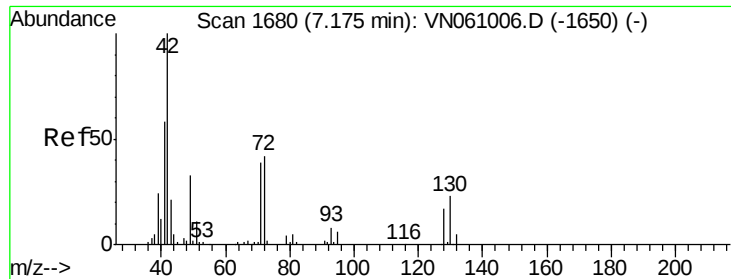
129 1.6 0.0 3.0

130 66.4 52.9 79.3



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

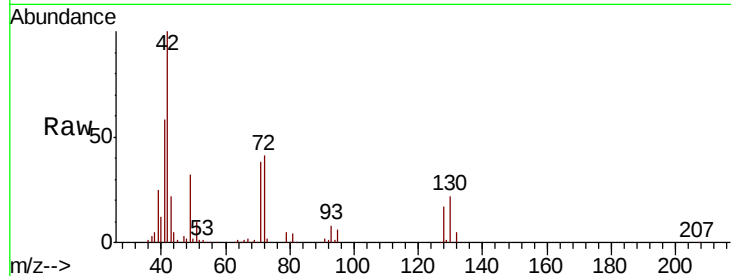




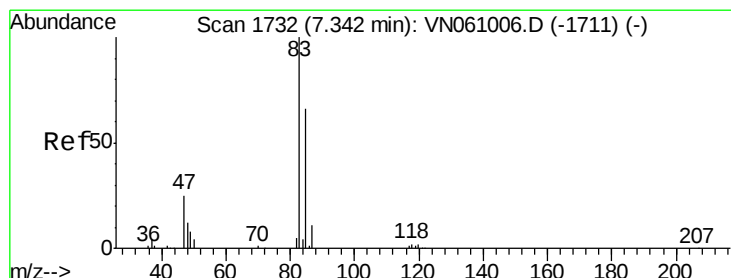
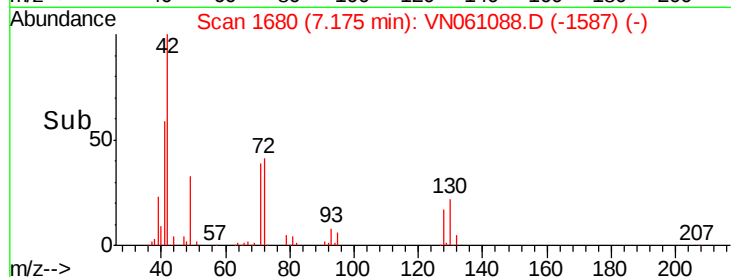
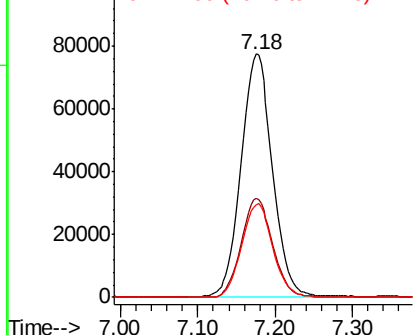
#29
Tetrahydrofuran
Concen: 271.618 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 219434
Ion Ratio Lower Upper
42 100
72 40.6 32.1 48.1
71 38.2 30.5 45.7

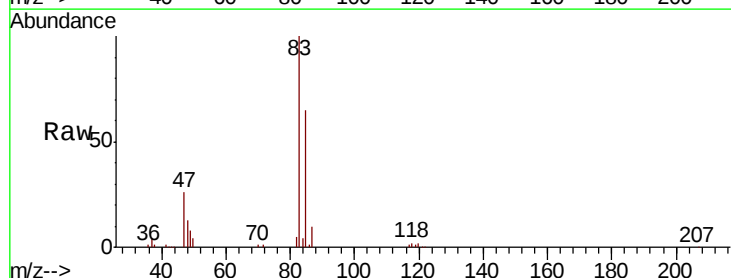


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

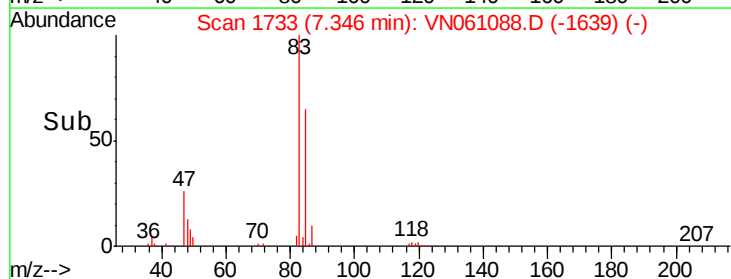
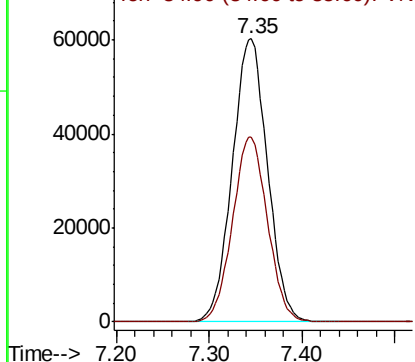


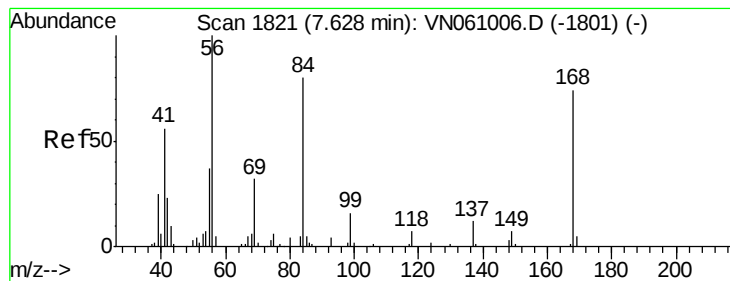
#30
Chloroform
Concen: 53.052 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion: 83 Resp: 158485
Ion Ratio Lower Upper
83 100
85 65.3 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.119 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampled :

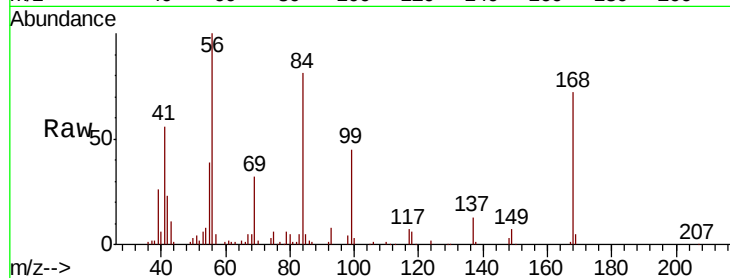
Tot Ion: 56 Resp: 158148

Ion Ratio Lower Upper

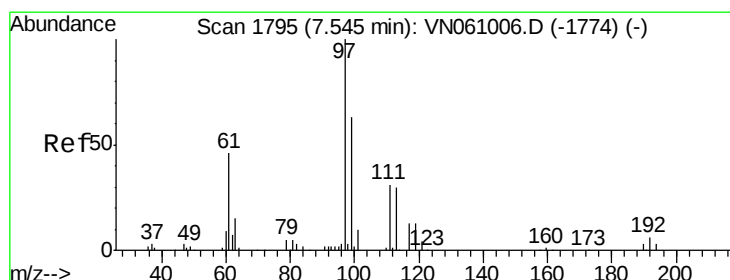
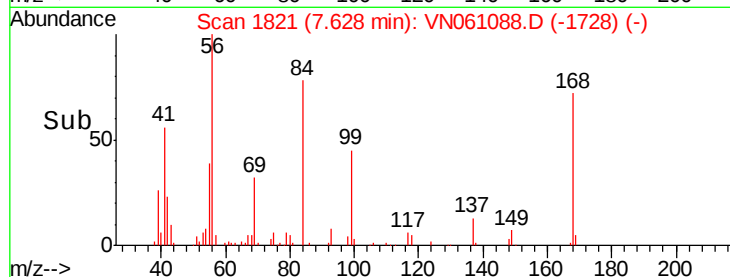
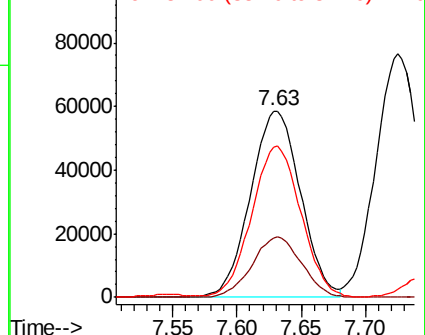
56 100

69 31.7 25.6 38.4

84 80.0 63.4 95.2



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



#32

1,1,1-Trichloroethane

Concen: 52.723 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

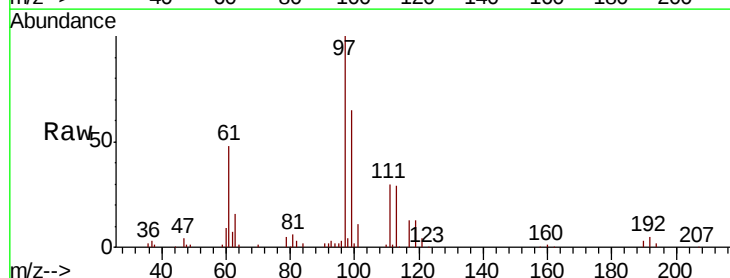
Tgt Ion: 97 Resp: 136236

Ion Ratio Lower Upper

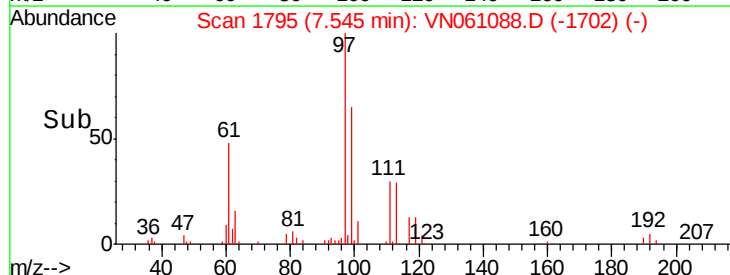
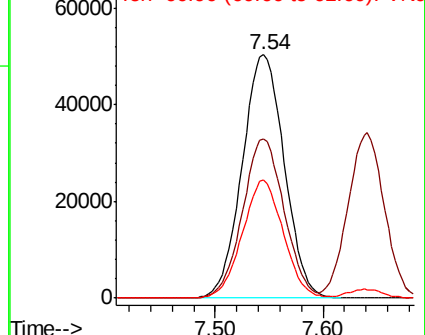
97 100

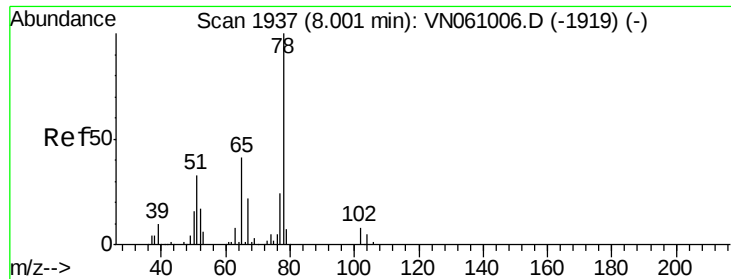
99 64.9 51.0 76.4

61 47.3 37.0 55.6



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





#33

1,2-Dichloroethane-d4

Concen: 50.816 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

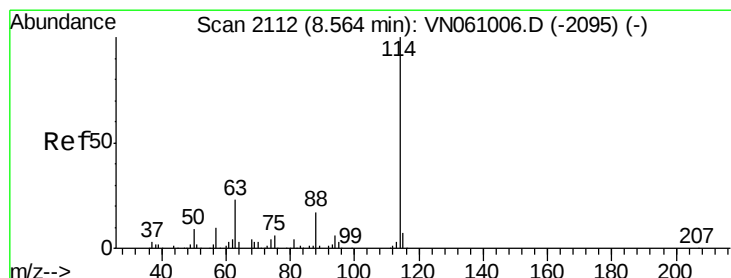
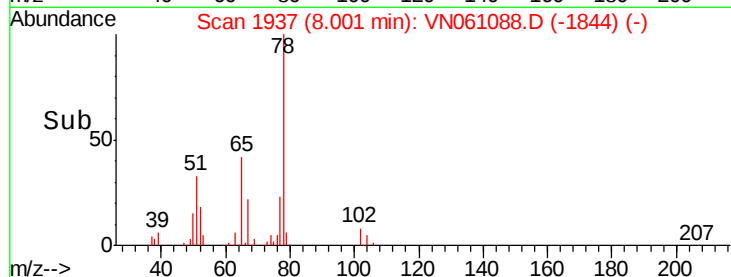
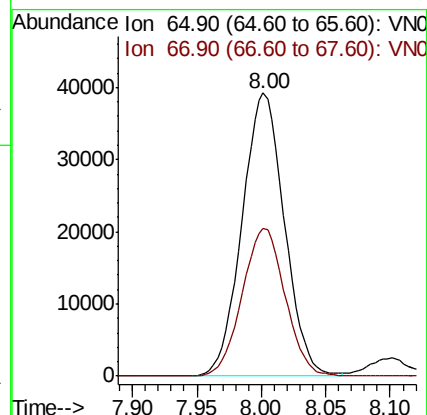
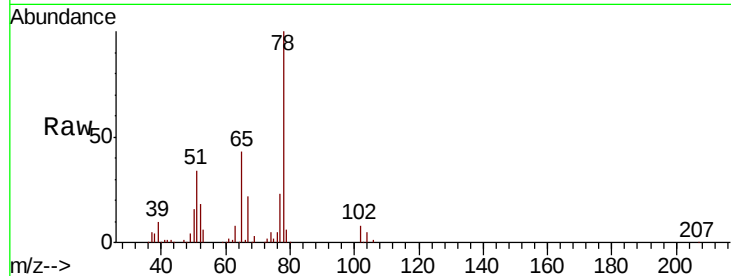
ClientSampleId :

Tot Ion: 65 Resp: 89656

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

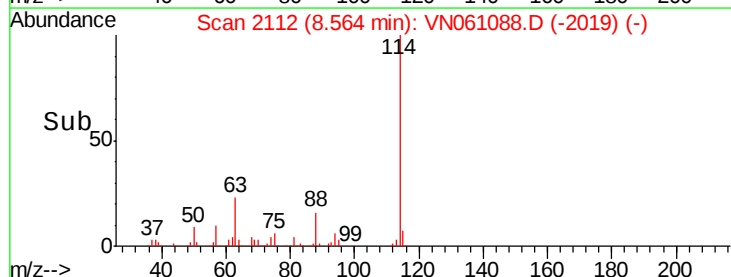
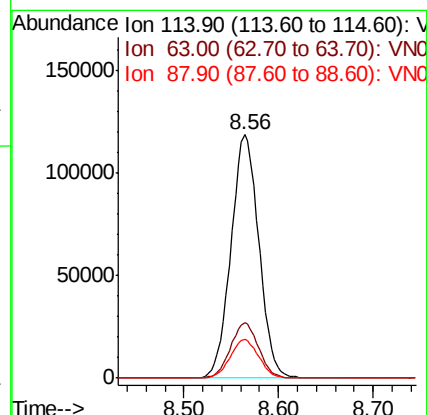
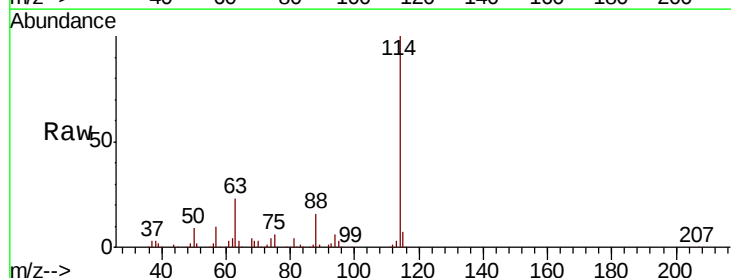
Tgt Ion: 114 Resp: 243256

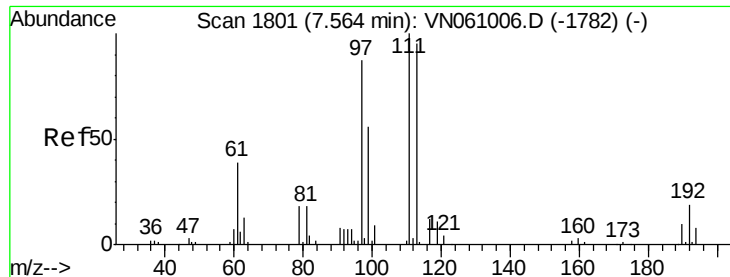
Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.2

88 16.1 0.0 33.4

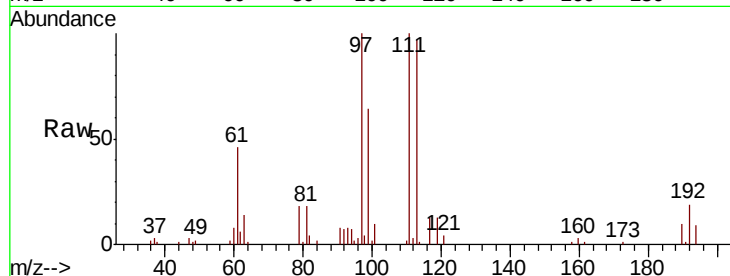




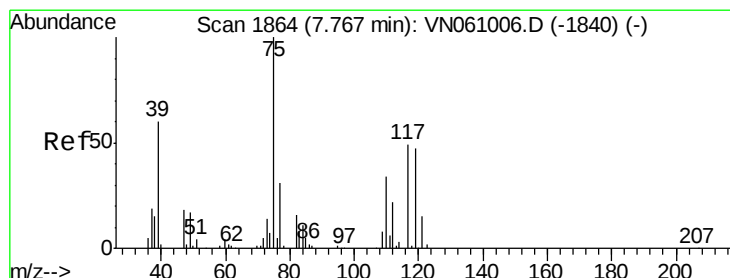
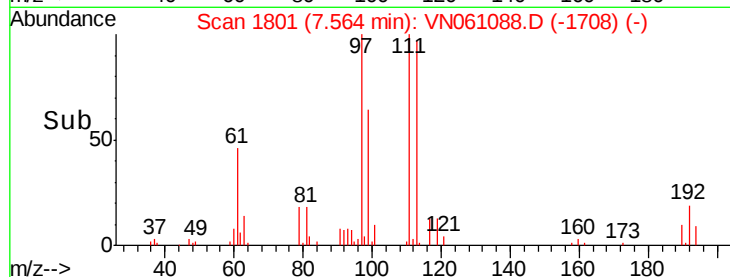
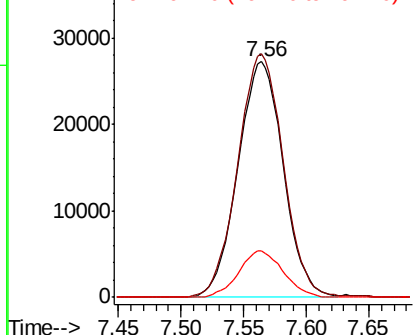
#35
 Dibromofluoromethane
 Concen: 48.160 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 68415
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.4 125.2
 192 19.2 15.5 23.3

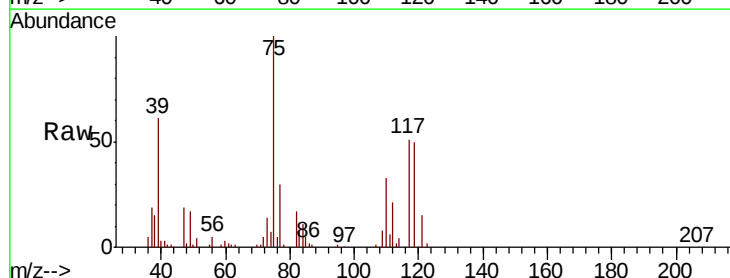


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

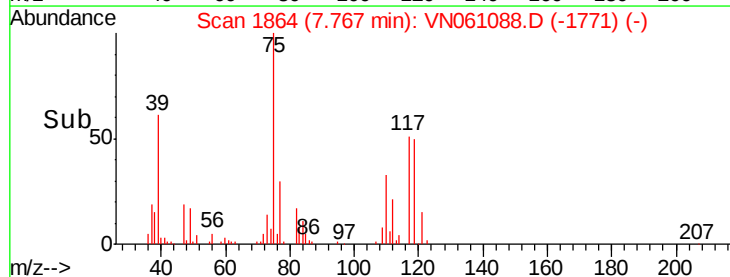
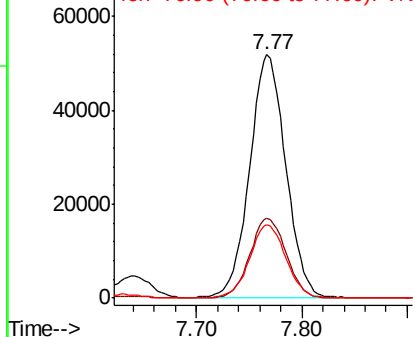


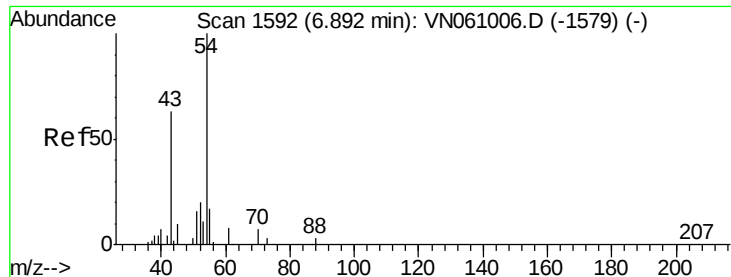
#36
 1,1-Dichloropropene
 Concen: 49.472 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion: 75 Resp: 124184
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.8 50.3
 77 30.3 24.7 37.1



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

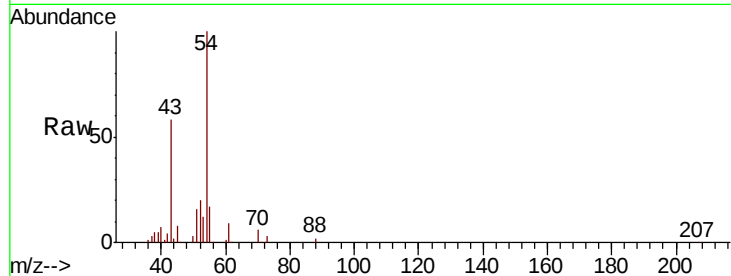




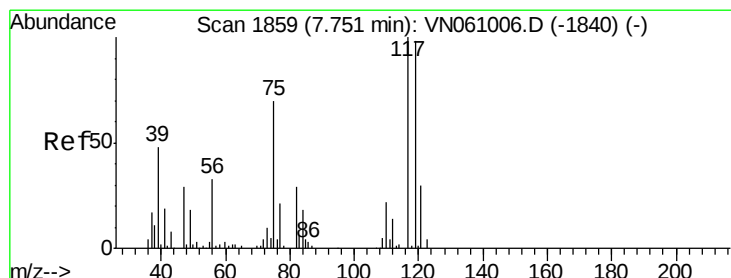
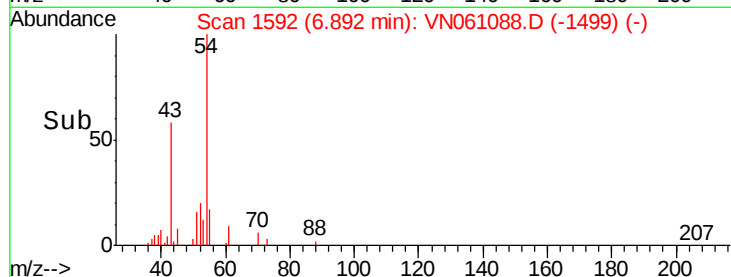
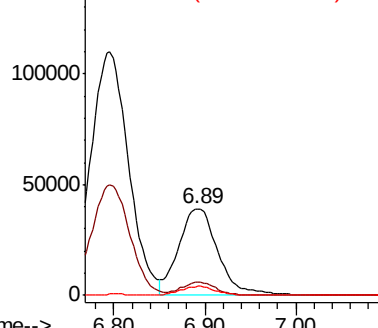
#37
Ethyl Acetate
Concen: 42.777 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	43	Resp	116595
Ion Ratio	100		
Lower	10.9		
Upper	16.3		
61	13.6		
70	9.4		

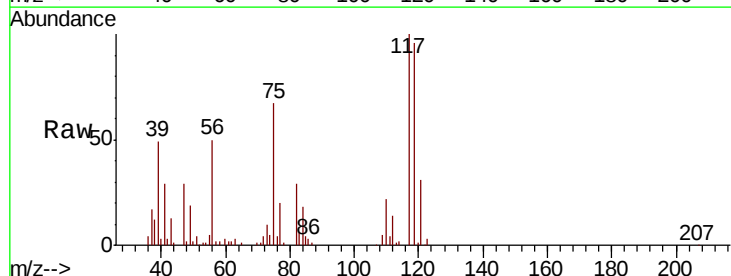


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

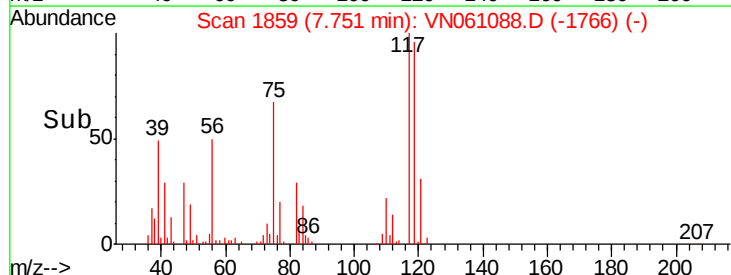
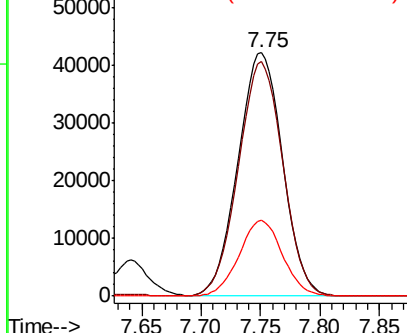


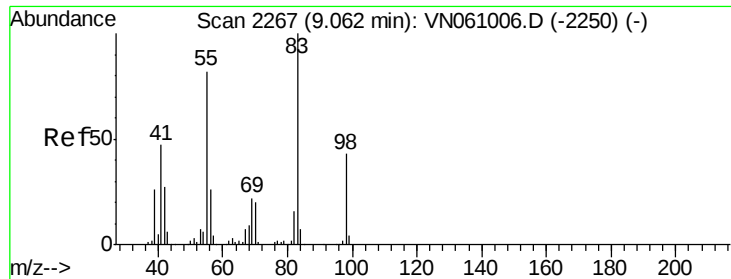
#38
Carbon Tetrachloride
Concen: 52.464 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion	117	Resp	109619
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower	78.1		
Upper	117.1		
119	96.2		
121	30.9		



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

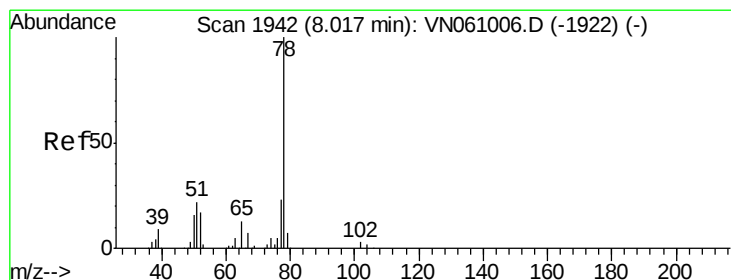
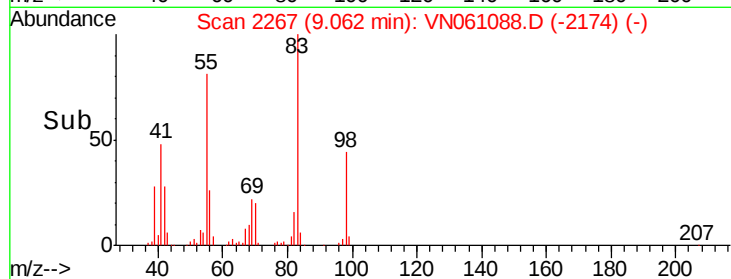
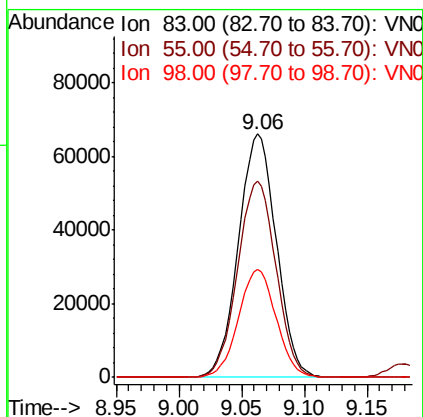
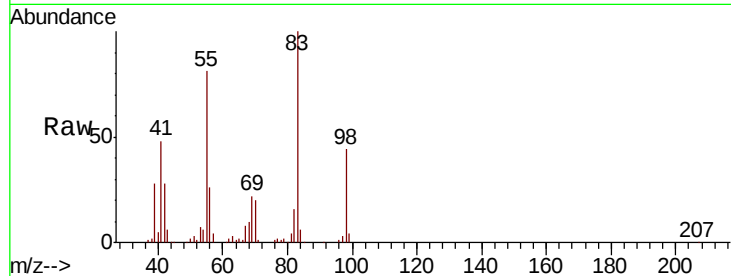




#39
Methvlcvclohexane
Concen: 46.258 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

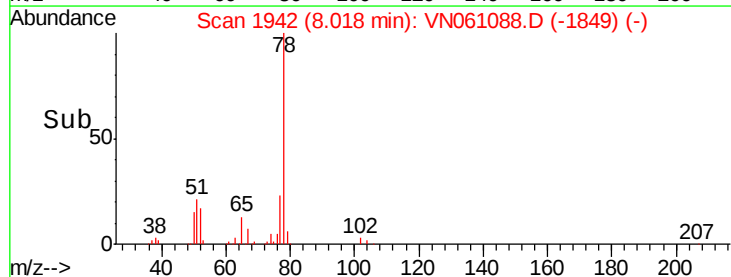
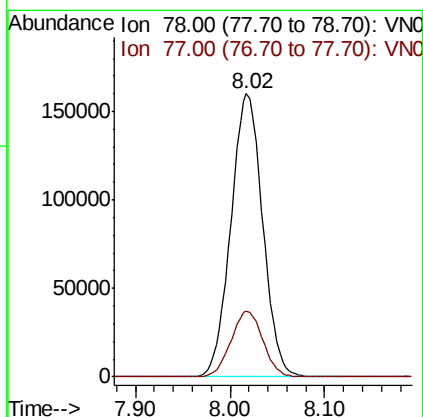
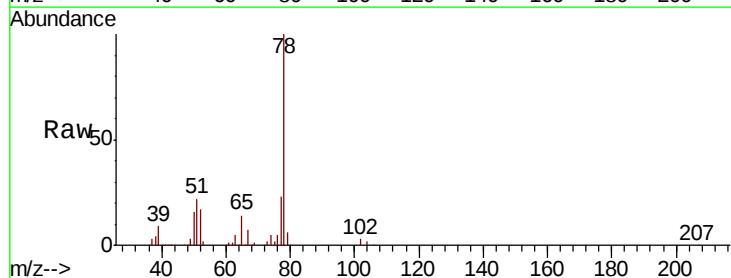
Instrument :
MSVOA_N
ClientSampleId :

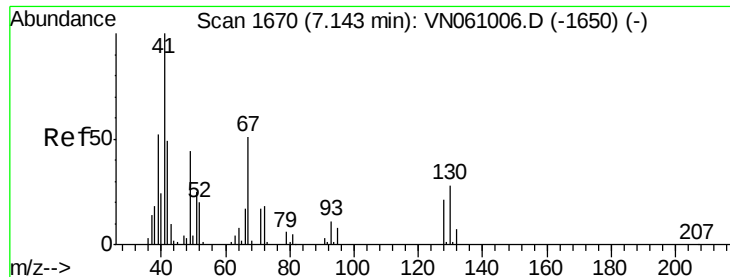
Tot Ion: 83 Resp: 138824
Ion Ratio Lower Upper
83 100
55 80.6 65.4 98.0
98 44.4 34.6 51.8



#40
Benzene
Concen: 50.139 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion: 78 Resp: 373377
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2

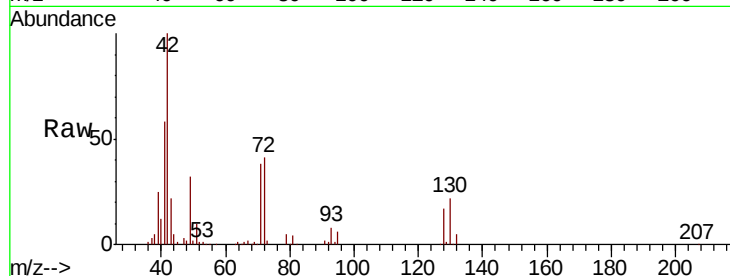




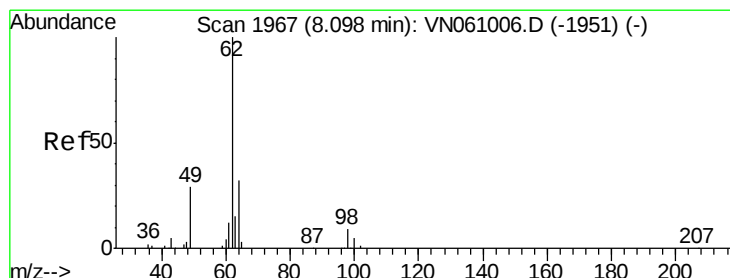
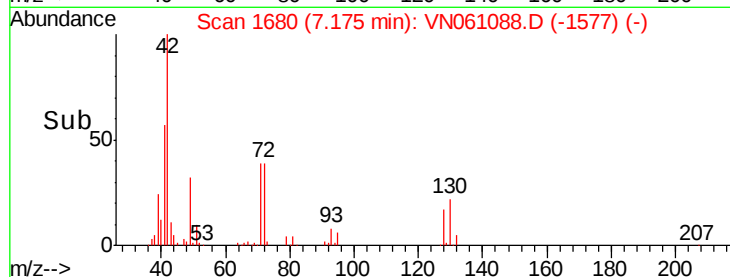
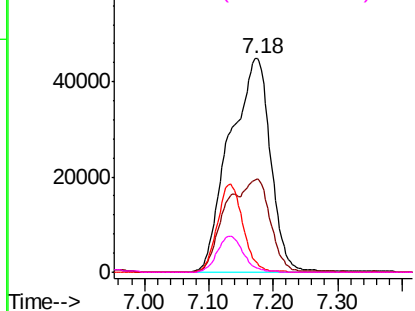
#41
Methacrylonitrile
Concen: 173.810 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	197600
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

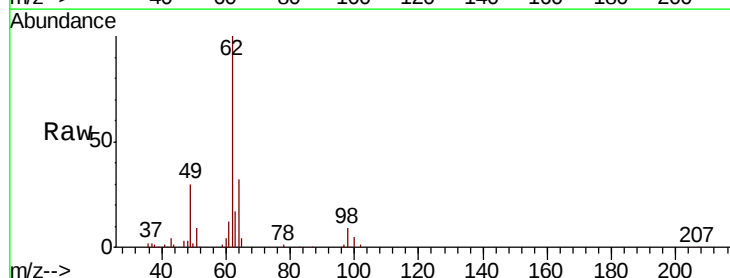


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

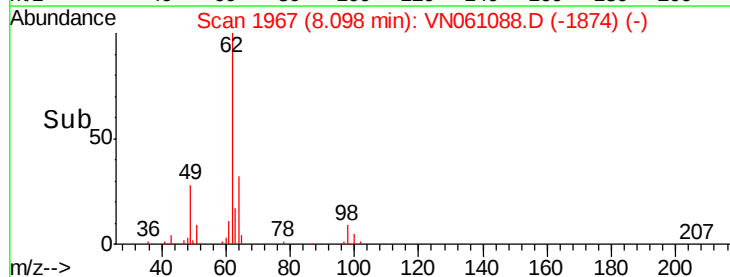
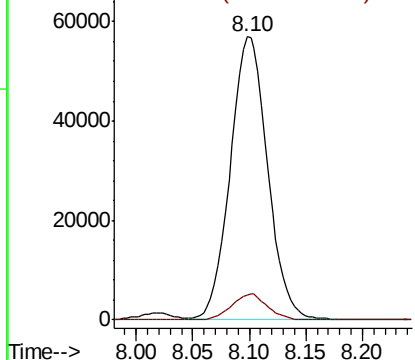


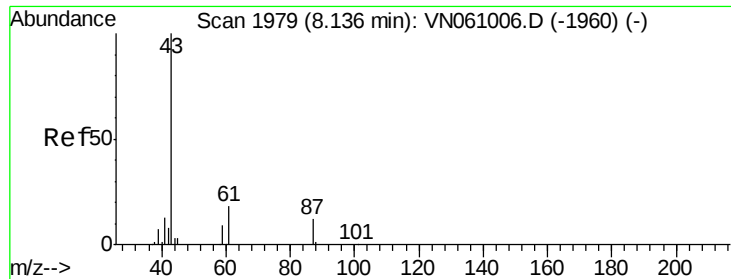
#42
1,2-Dichloroethane
Concen: 51.640 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion:	62	Resp:	131001
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.2



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





#43

Isopropyl Acetate

Concen: 46.278 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampleId :

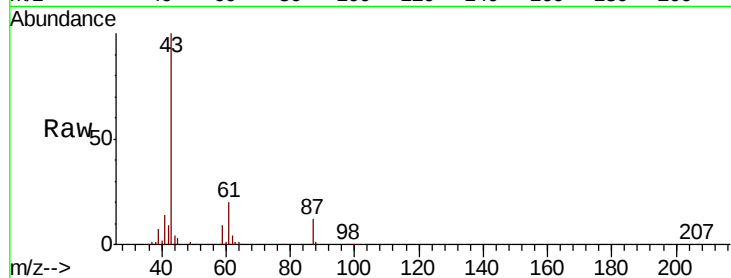
Tot Ion: 43 Resp: 205148

Ion Ratio Lower Upper

43 100

61 26.2 20.3 30.5

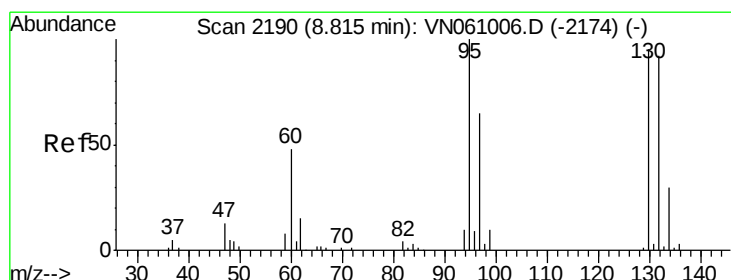
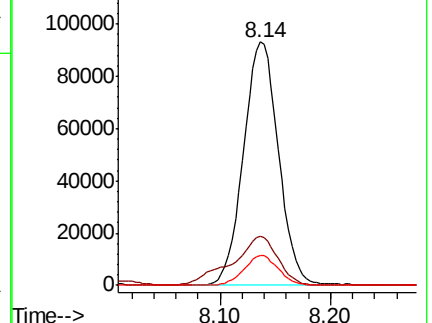
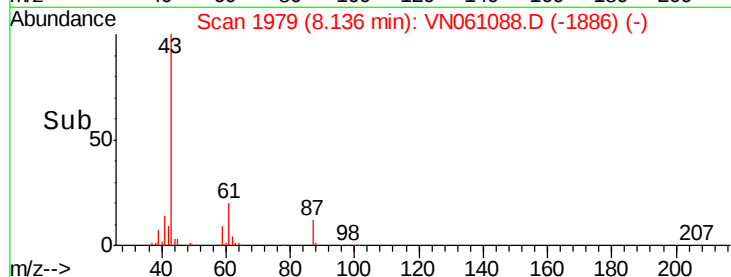
87 11.9 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN061088.D (-1960) (-)

Ion 61.00 (60.70 to 61.70): VN061088.D (-1960) (-)

Ion 87.00 (86.70 to 87.70): VN061088.D (-1960) (-)



#44

Trichloroethene

Concen: 48.857 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VN061088.D

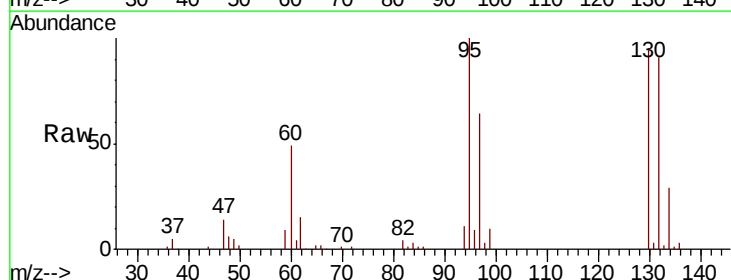
Acq: 18 Apr 2020 6:08

Tgt Ion: 130 Resp: 91421

Ion Ratio Lower Upper

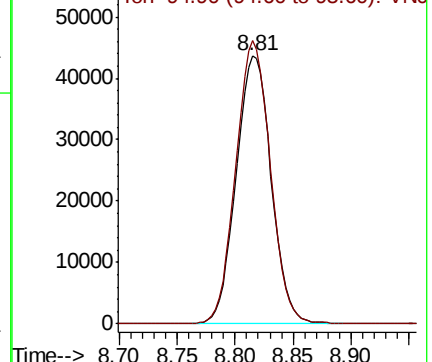
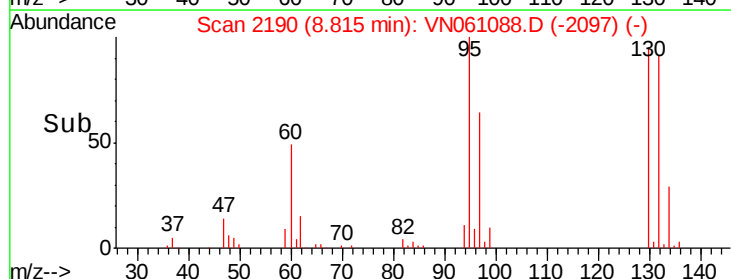
130 100

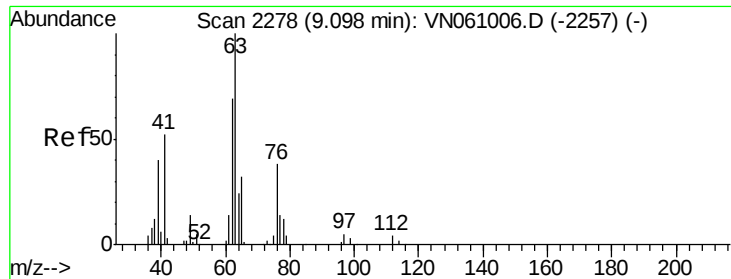
95 105.5 0.0 210.0



Abundance Ion 129.80 (129.50 to 130.50): VN061088.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN061088.D (-2197) (-)

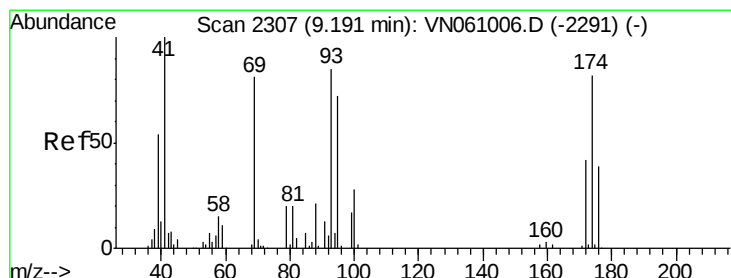
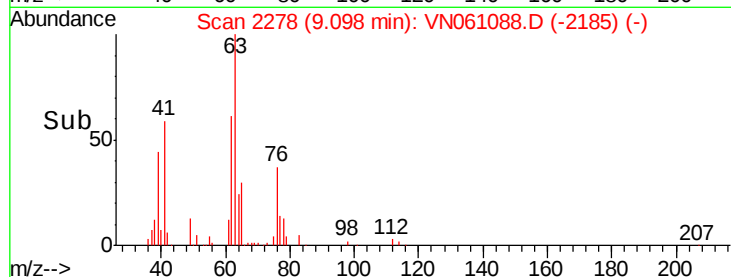
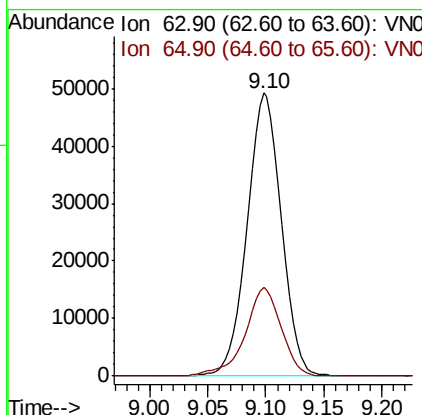
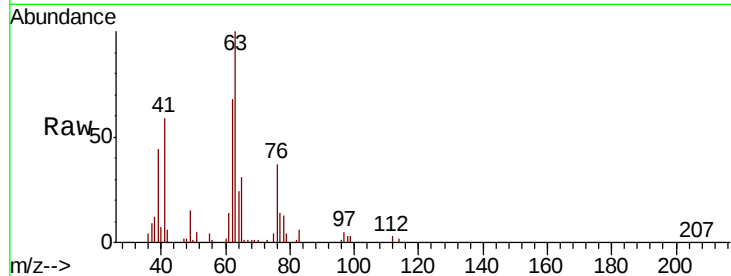




#45
 1,2-Dichloropropane
 Concen: 50.337 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

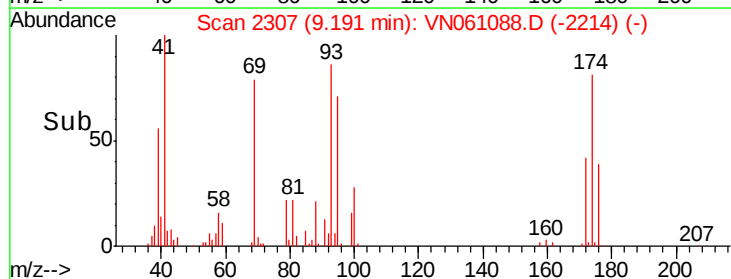
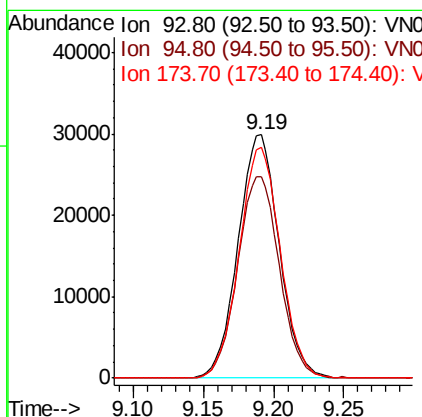
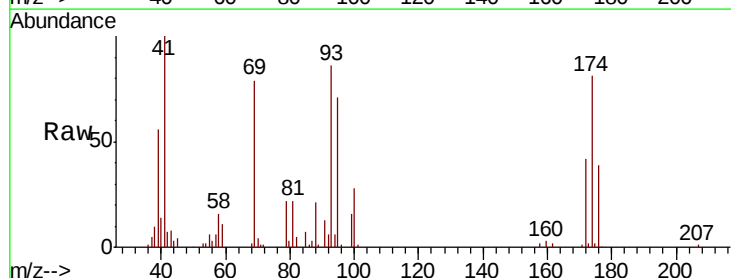
Instrument :
 MSVOA_N
 ClientSampleId :

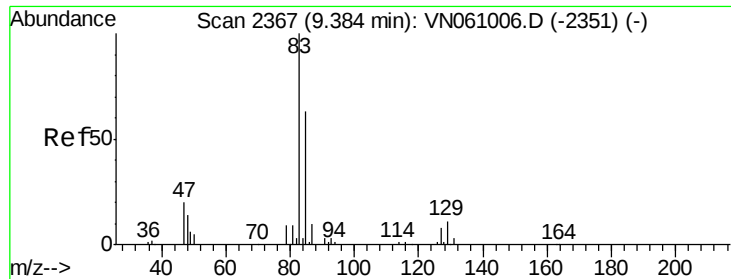
Tot Ion: 63 Resp: 101249
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.2 37.8



#46
 Dibromomethane
 Concen: 52.636 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion: 93 Resp: 61042
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.8 100.2
 174 94.6 76.2 114.4

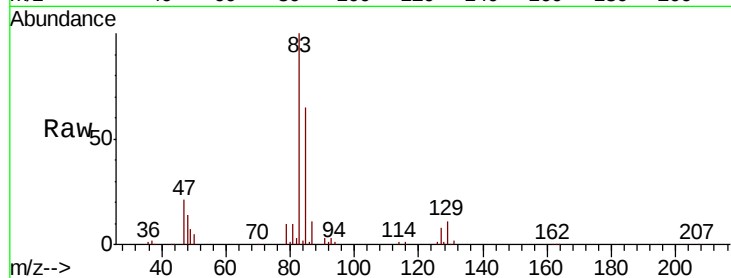




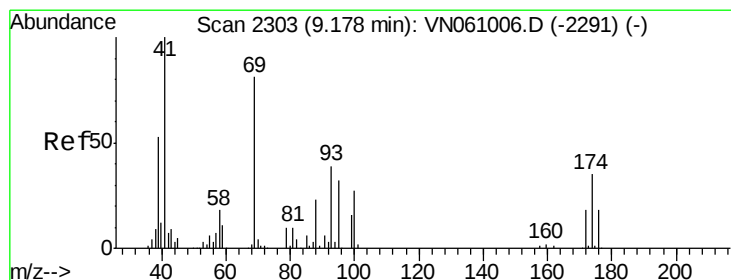
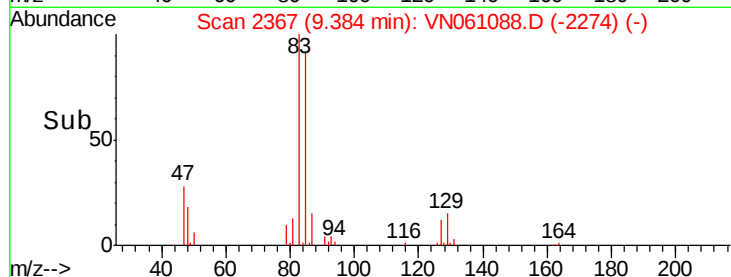
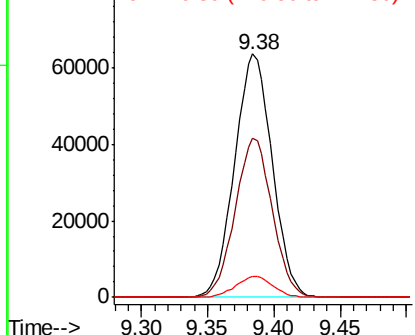
#47
 Bromodichloromethane
 Concen: 51.225 ug/l
 RT: 9.38 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 83 Resp: 125496
 Ion Ratio Lower Upper
 83 100
 85 65.4 50.6 76.0
 127 8.4 6.1 9.1

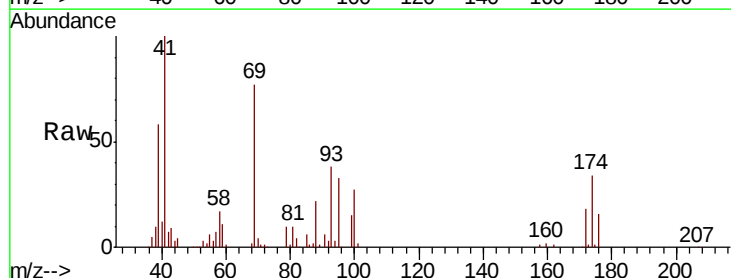


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): VN0

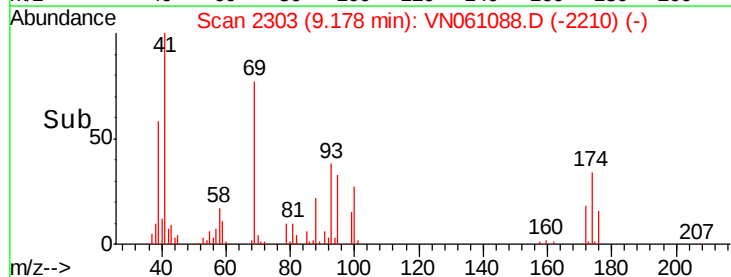
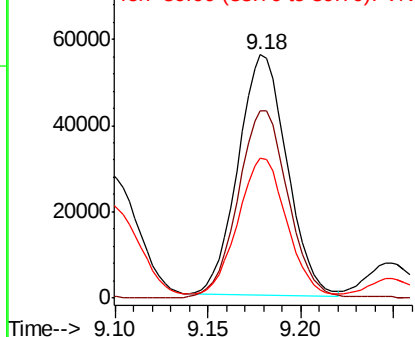


#48
 Methyl methacrylate
 Concen: 52.136 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion: 41 Resp: 102135
 Ion Ratio Lower Upper
 41 100
 69 80.2 65.3 97.9
 39 59.3 45.2 67.8



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

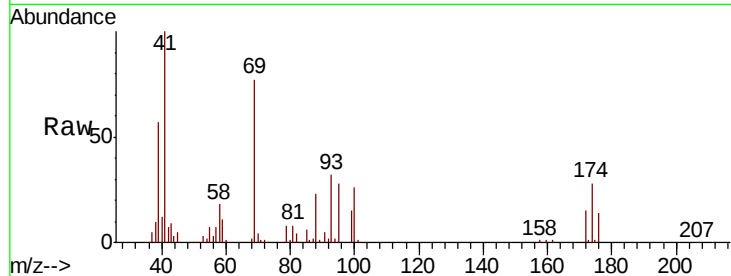




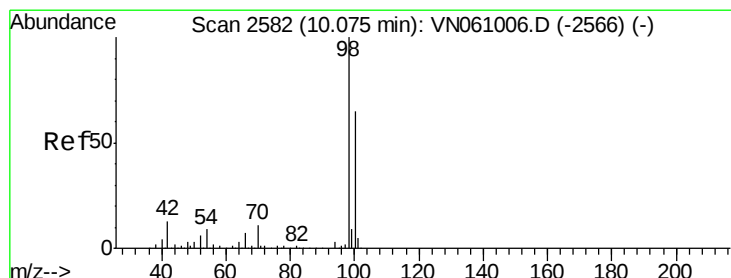
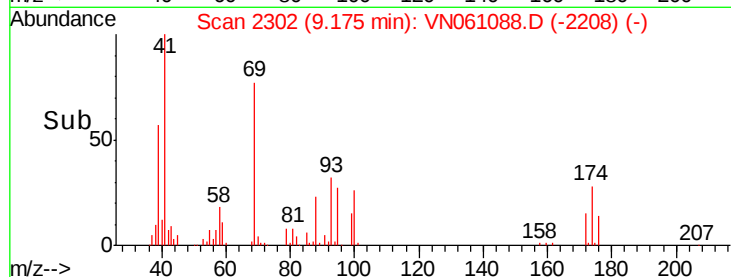
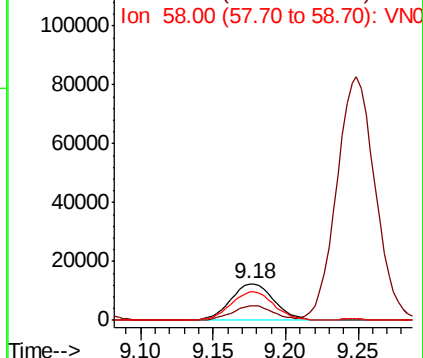
#49
1,4-Dioxane
Concen: 956.157 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 25992
Ion Ratio Lower Upper
88 100
43 38.2 30.9 46.3
58 77.2 59.8 89.8

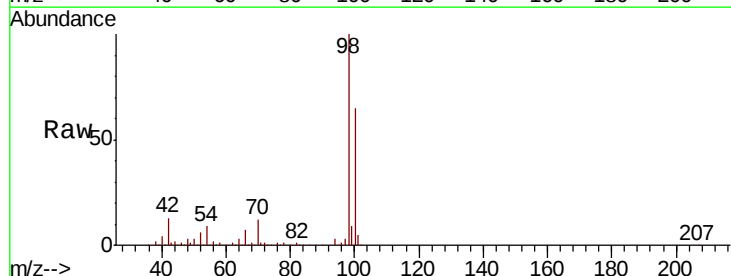


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

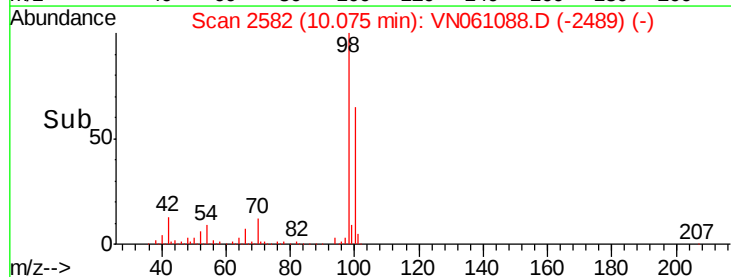
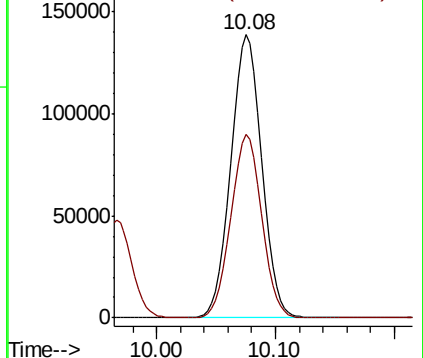


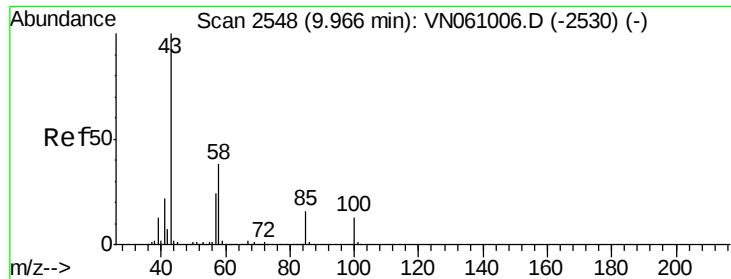
#50
Toluene-d8
Concen: 46.507 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion: 98 Resp: 249652
Ion Ratio Lower Upper
98 100
100 64.8 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: 265.925 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

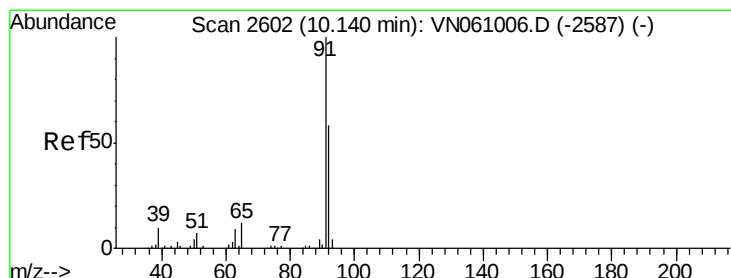
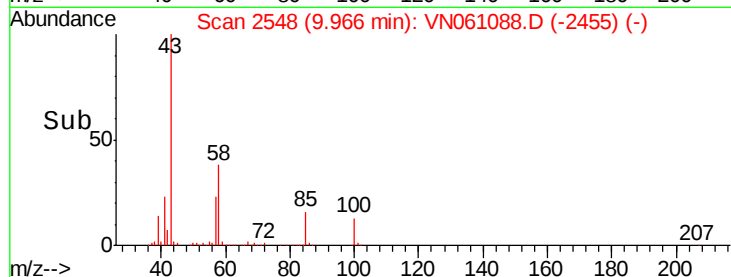
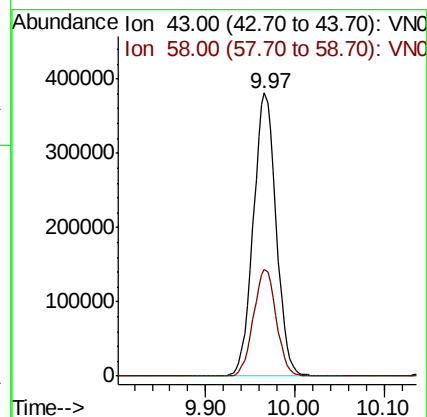
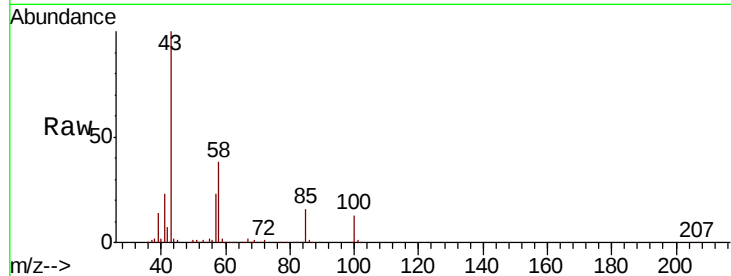
ClientSampleId :

Tot Ion: 43 Resp: 679556

Ion Ratio Lower Upper

43 100

58 37.7 30.3 45.5



#52

Toluene

Concen: 50.308 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061088.D

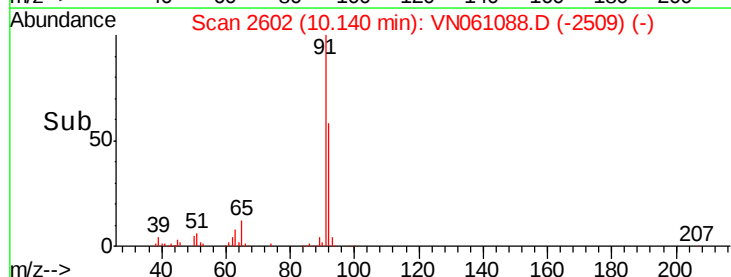
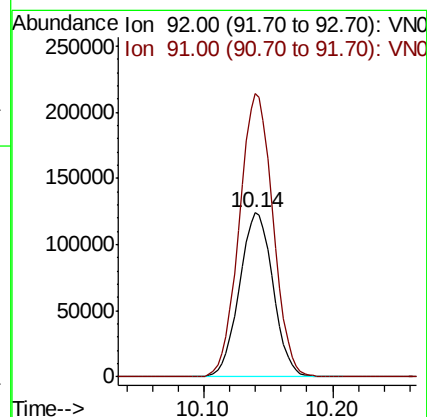
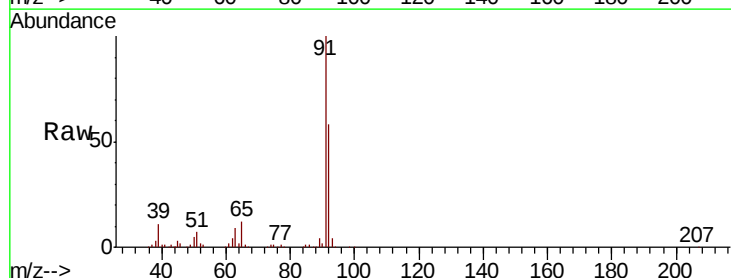
Acq: 18 Apr 2020 6:08

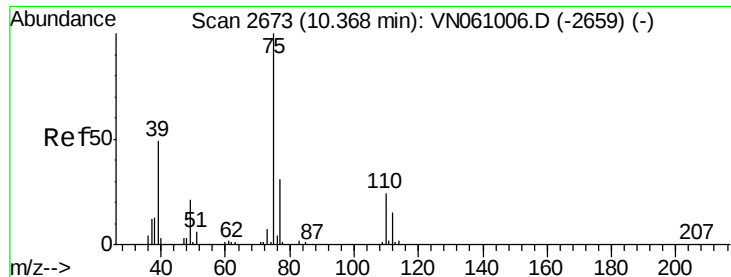
Tgt Ion: 92 Resp: 224749

Ion Ratio Lower Upper

92 100

91 173.1 137.7 206.5





#53

t-1,3-Dichloropropene

Concen: 48.843 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

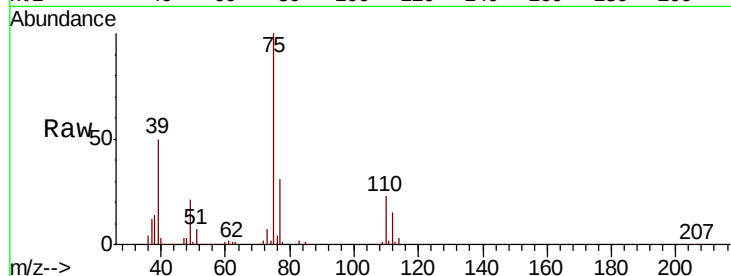
ClientSampleId :

Tot Ion: 75 Resp: 138997

Ion Ratio Lower Upper

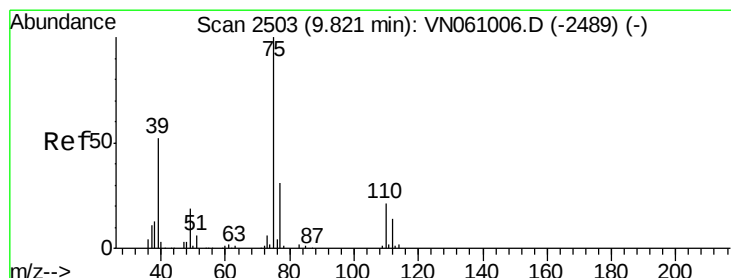
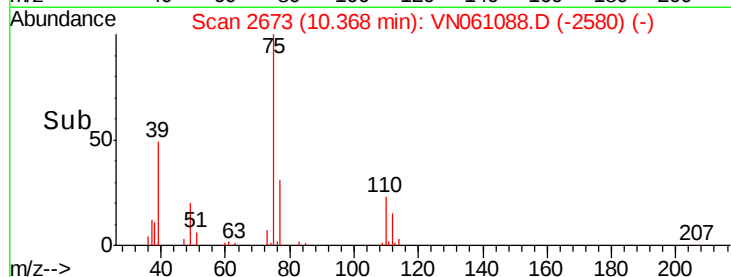
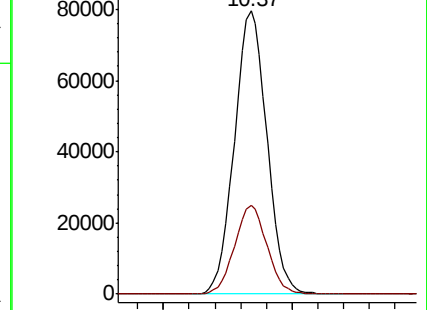
75 100

77 31.3 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN061088.D (-2580) (-)

Ion 76.90 (76.60 to 77.60): VN061088.D (-2580) (-)



#54

cis-1,3-Dichloropropene

Concen: 47.024 ug/l

RT: 9.82 min Scan# 2503

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

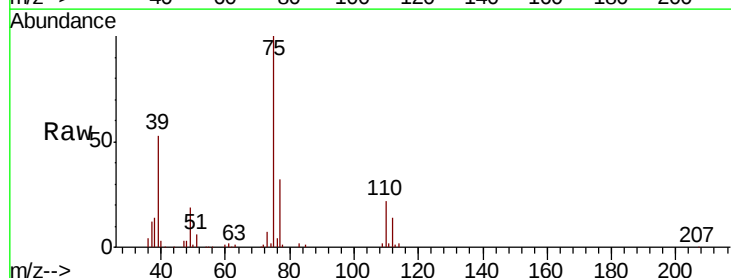
Tgt Ion: 75 Resp: 146010

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6

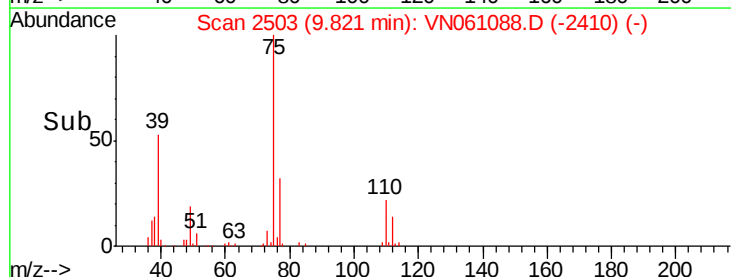
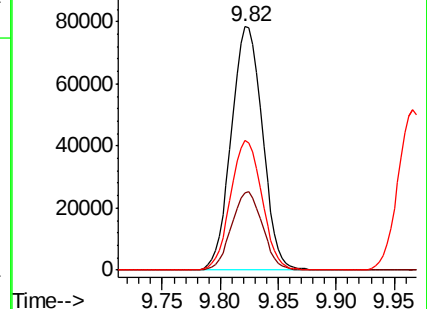
39 53.0 41.4 62.2

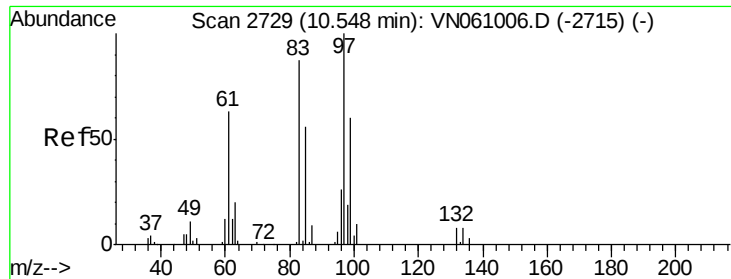


Abundance Ion 74.90 (74.60 to 75.60): VN061088.D (-2410) (-)

Ion 76.90 (76.60 to 77.60): VN061088.D (-2410) (-)

Ion 39.00 (38.70 to 39.70): VN061088.D (-2410) (-)

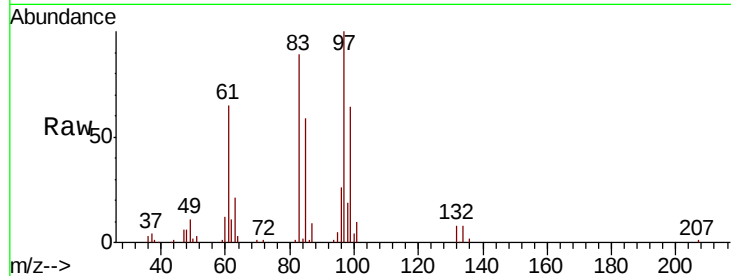




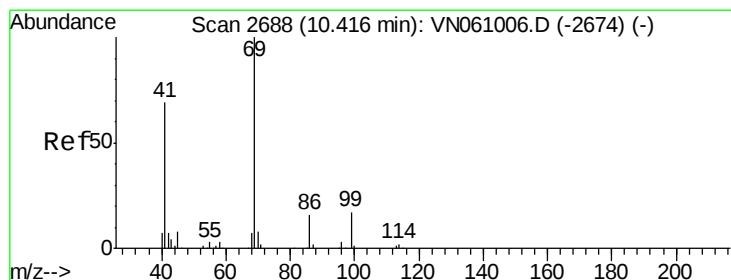
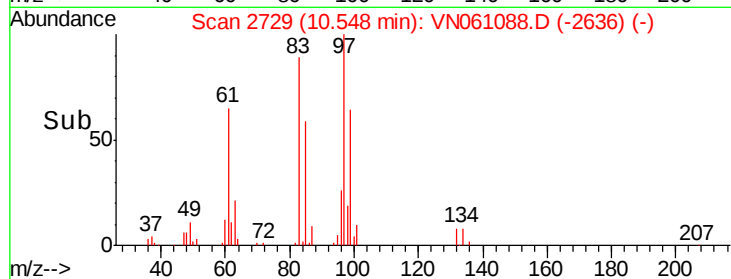
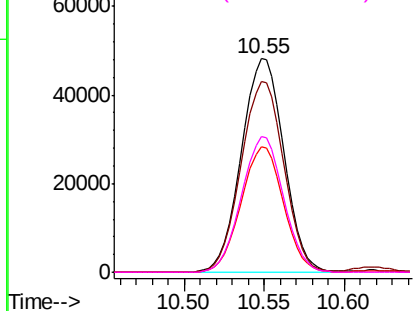
#55
 1,1,2-Trichloroethane
 Concen: 51.770 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	87525
Ion	Ratio	Lower	Upper
97	100		
83	89.1	69.5	104.3
85	58.9	45.0	67.4
99	63.5	47.9	71.9

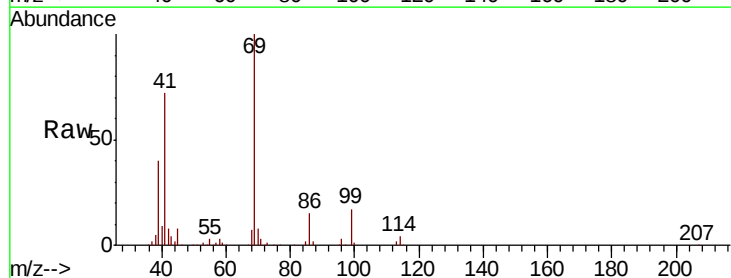


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

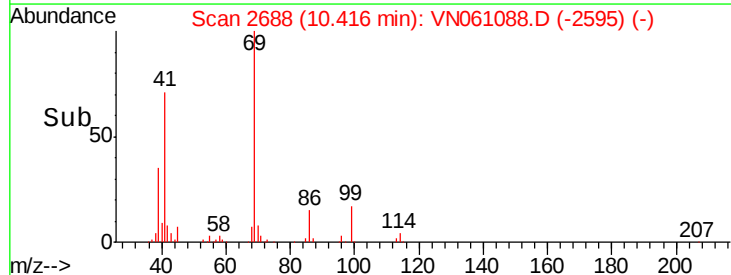
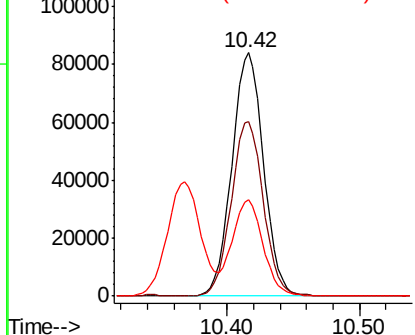


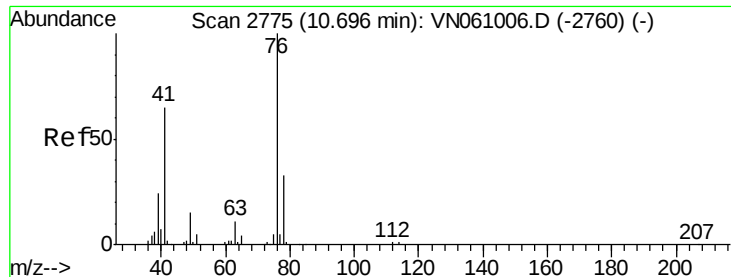
#56
 Ethyl methacrylate
 Concen: 52.285 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion:	69	Resp:	139000
Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.7	85.1
39	38.8	29.4	44.0



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





#57

1,3-Dichloropropane

Concen: 51.064 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

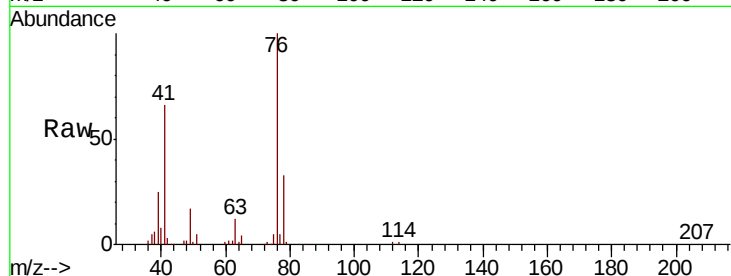
ClientSampleId :

Tot Ion: 76 Resp: 153988

Ion Ratio Lower Upper

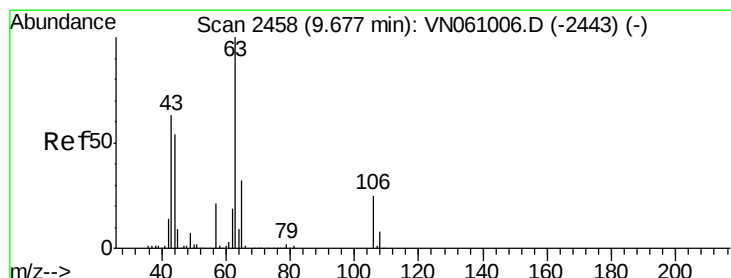
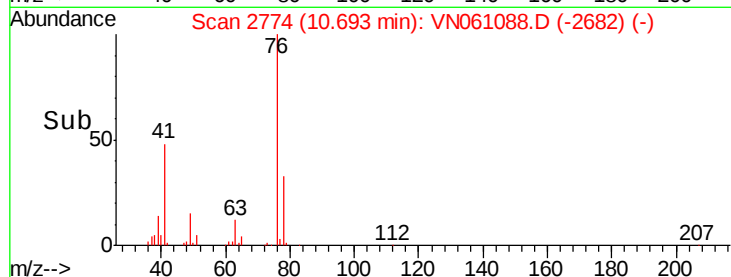
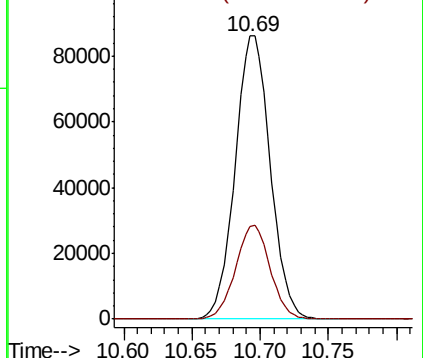
76 100

78 32.5 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN061006.D (-2760) (-)

Ion 77.90 (77.60 to 78.60): VN061006.D (-2760) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 0.575 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.15 min

Lab File: VN061088.D

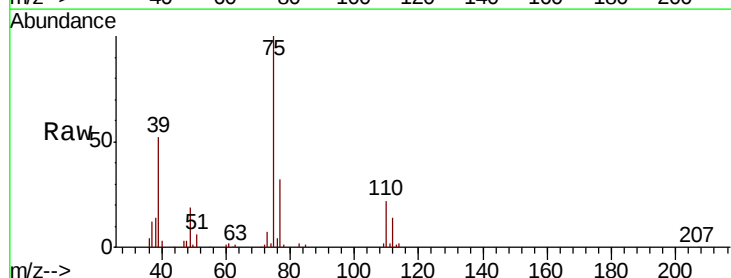
Acq: 18 Apr 2020 6:08

Tgt Ion: 63 Resp: 695

Ion Ratio Lower Upper

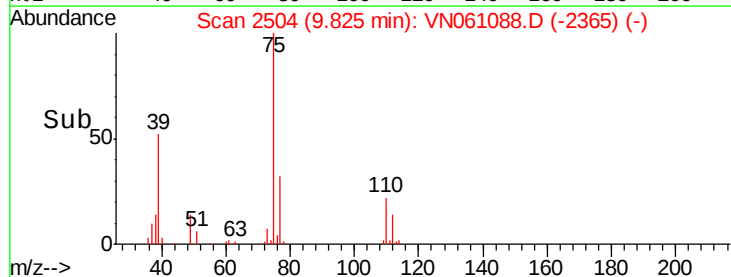
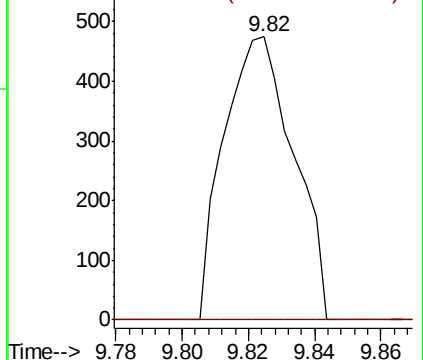
63 100

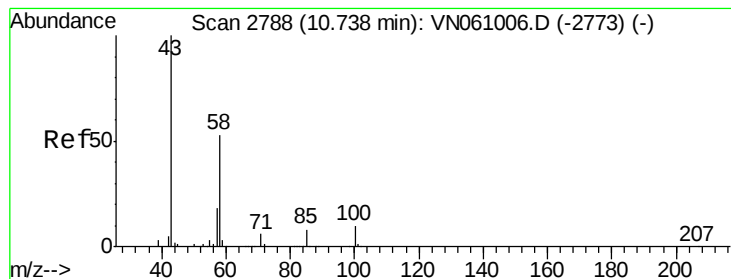
106 0.0 19.5 29.3#



Abundance Ion 62.90 (62.60 to 63.60): VN061006.D (-2443) (-)

Ion 105.90 (105.60 to 106.60): VN061006.D (-2443) (-)





#59

2-Hexanone

Concen: 268.195 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

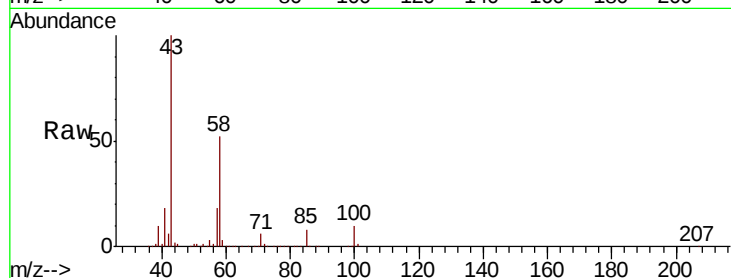
ClientSampleId :

Tot Ion: 43 Resp: 494266

Ion Ratio Lower Upper

43 100

58 52.4 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2773) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-2773) (-)

10.74

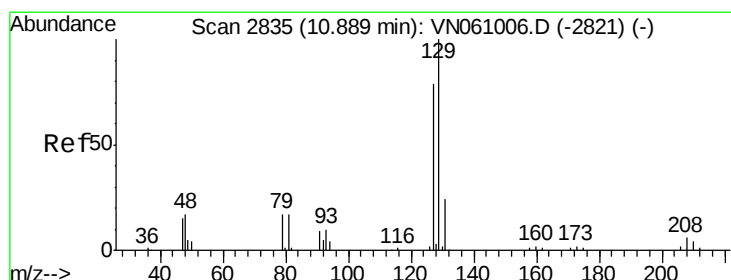
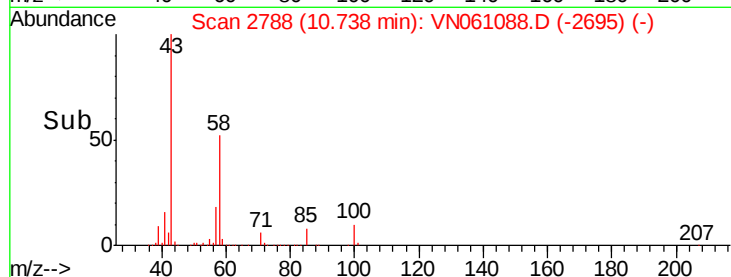
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 53.419 ug/l

RT: 10.89 min Scan# 2835

Delta R.T. 0.00 min

Lab File: VN061088.D

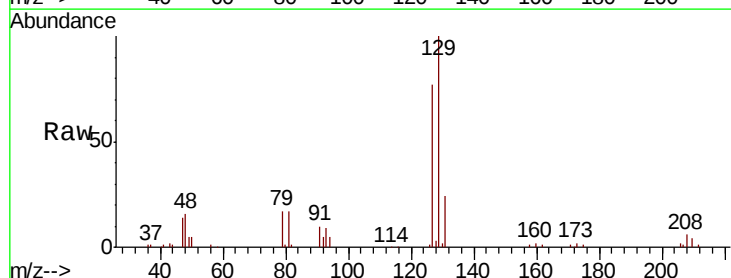
Acq: 18 Apr 2020 6:08

Tgt Ion: 129 Resp: 92773

Ion Ratio Lower Upper

129 100

127 77.0 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): VN061006.D (-2821) (-)

Ion 126.80 (126.50 to 127.50): VN061006.D (-2821) (-)

10.89

60000

50000

40000

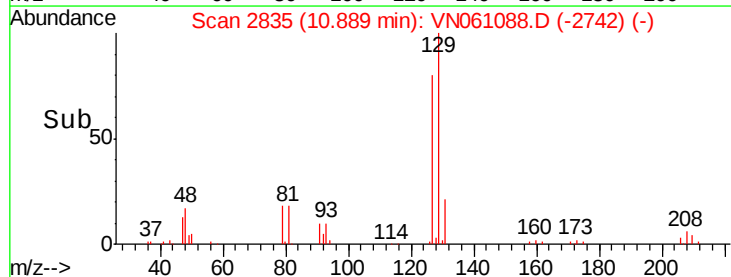
30000

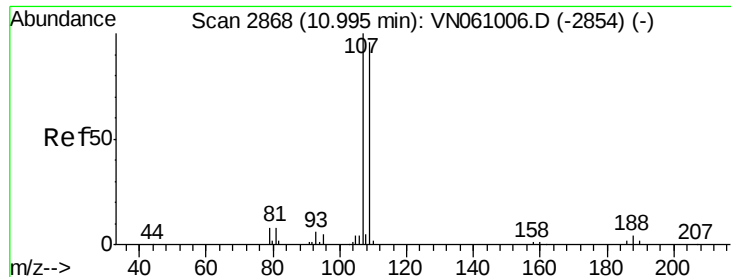
20000

10000

0

Time-->

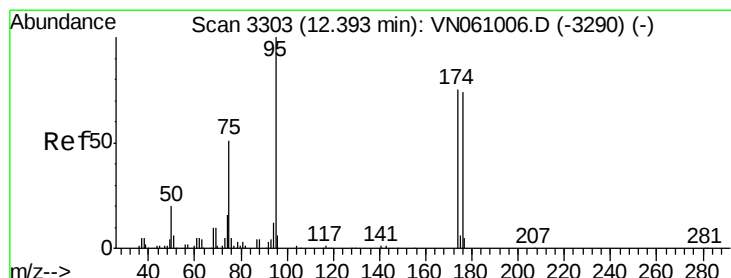
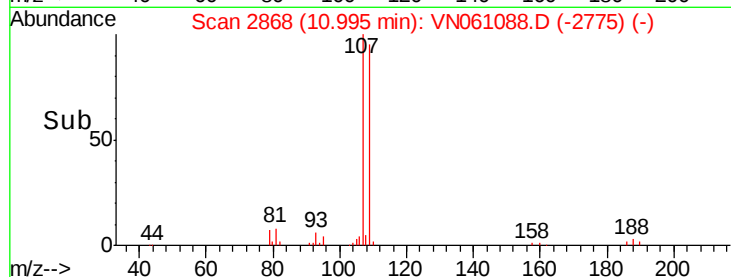
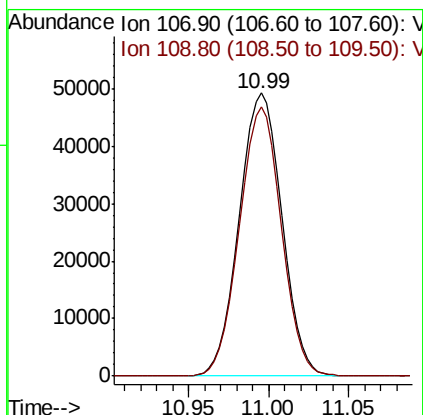
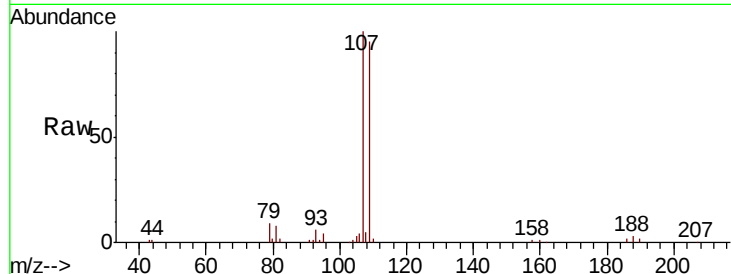




#61
 1,2-Dibromoethane
 Concen: 52.037 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

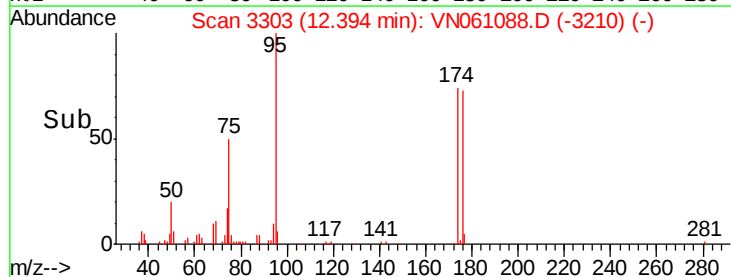
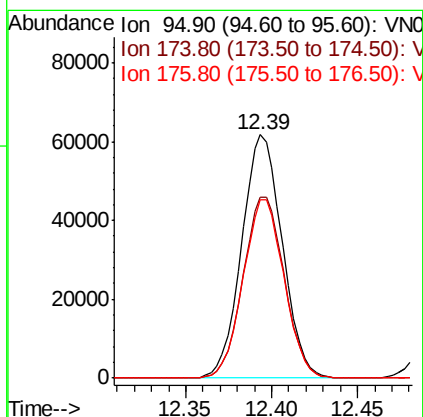
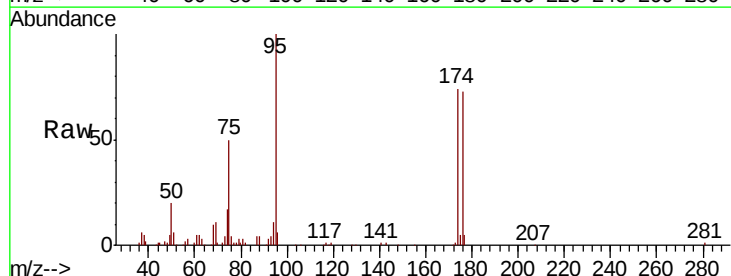
Instrument :
 MSVOA_N
 ClientSampled :

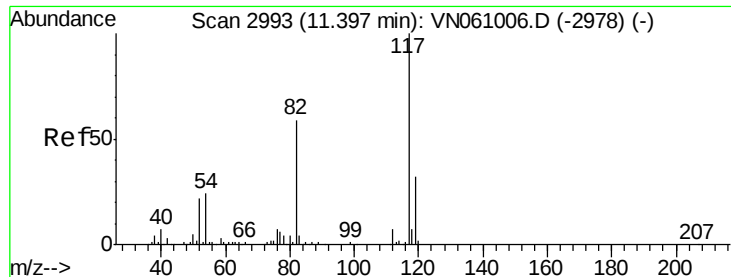
Tot Ion:107 Resp: 89646
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 47.861 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion: 95 Resp: 100695
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 151.2
 176 74.0 0.0 148.2

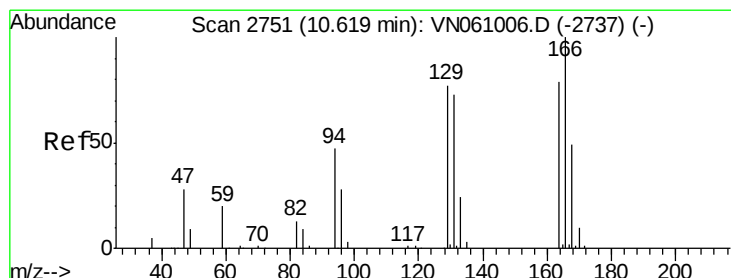
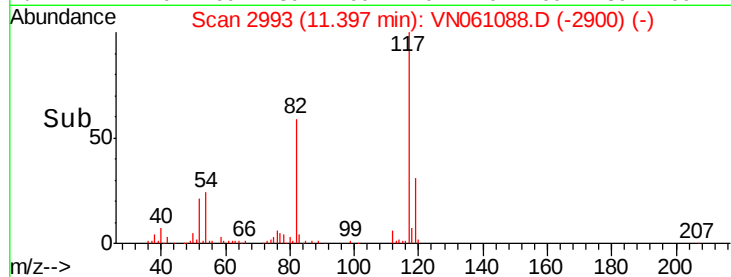
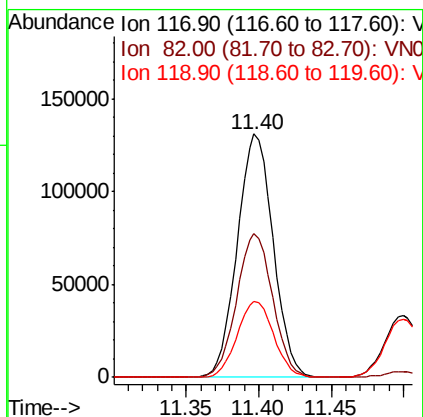
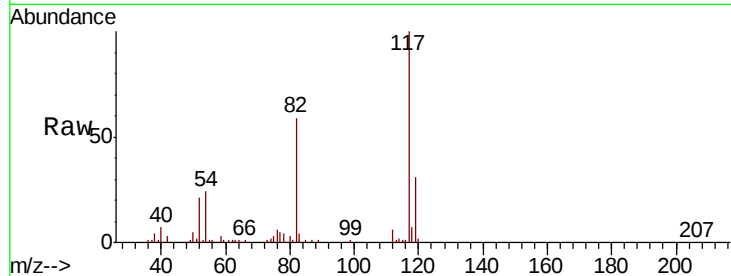




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

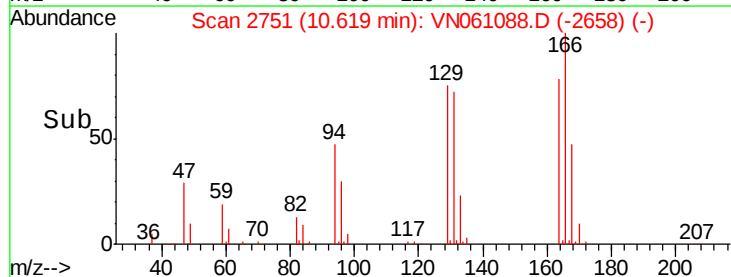
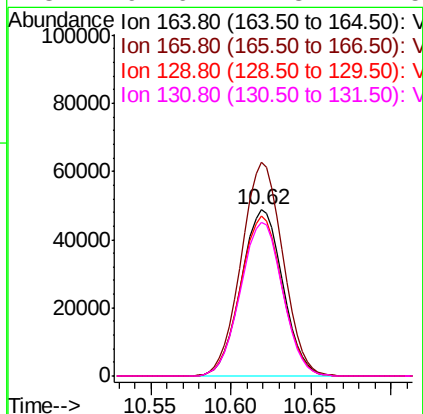
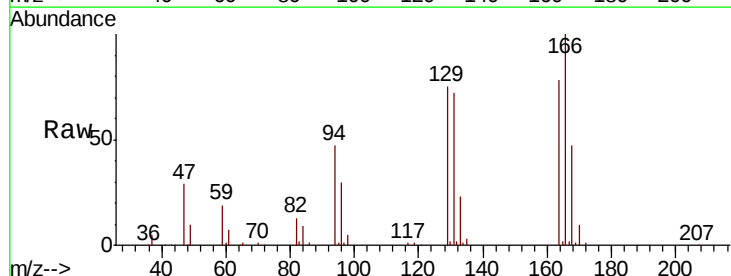
Instrument :
MSVOA_N
ClientSampleId :

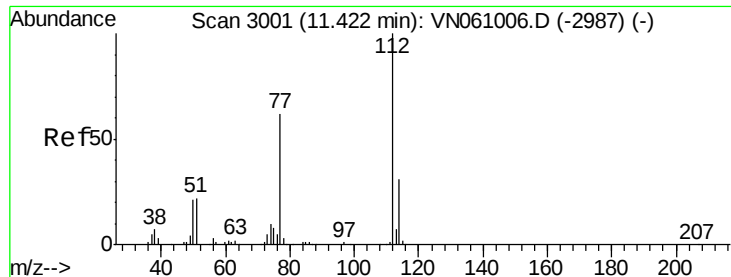
Tot Ion:117 Resp: 226074
Ion Ratio Lower Upper
117 100
82 59.1 47.1 70.7
119 31.2 25.7 38.5



#64
Tetrachloroethene
Concen: 50.250 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion:164 Resp: 86930
Ion Ratio Lower Upper
164 100
166 128.7 101.6 152.4
129 96.2 78.5 117.7
131 92.6 74.3 111.5

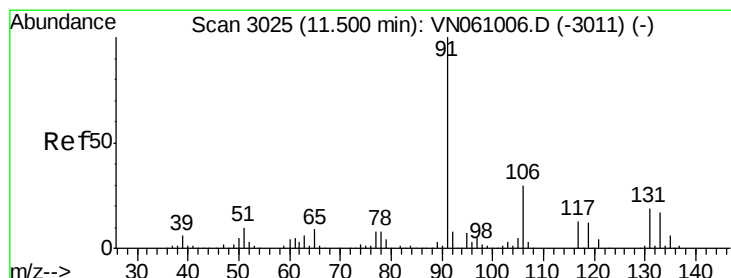
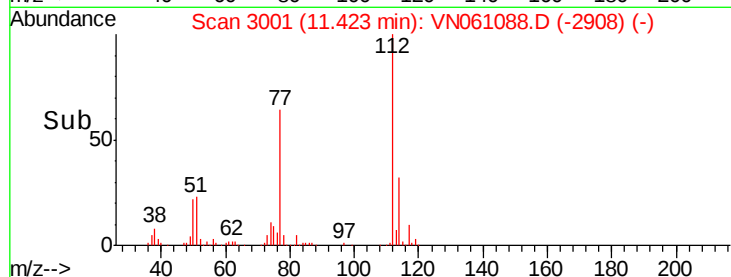
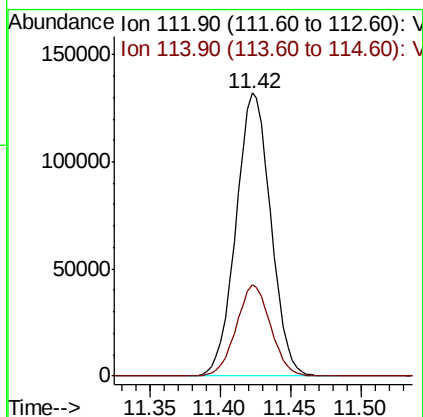
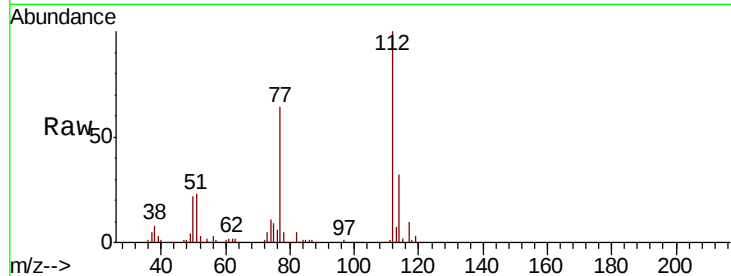




#65
Chlorobenzene
Concen: 48.940 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

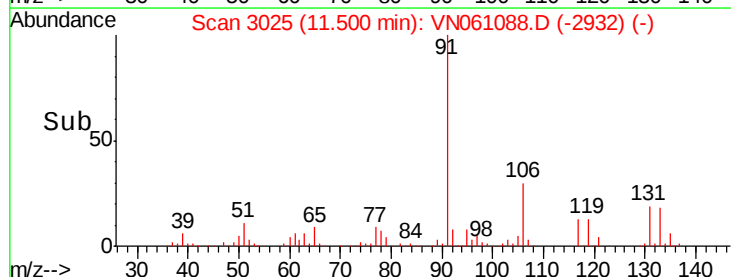
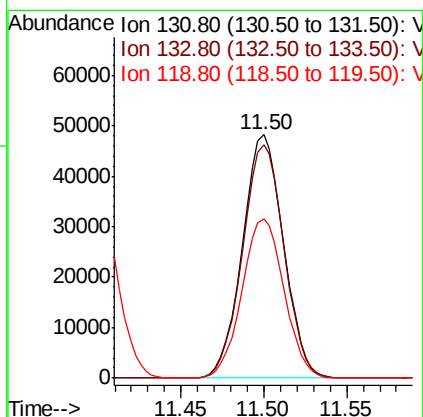
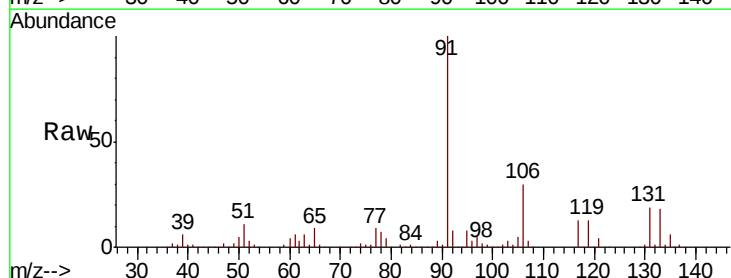
Instrument :
MSVOA_N
ClientSampled :

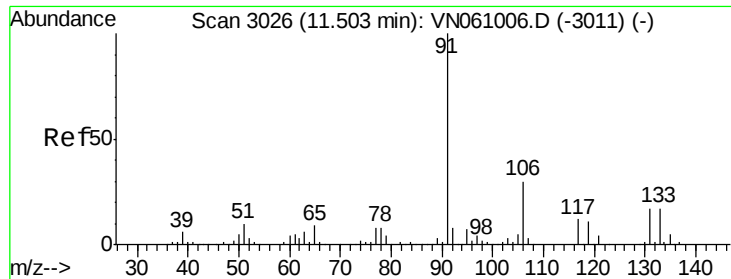
Tot Ion:112 Resp: 228401
Ion Ratio Lower Upper
112 100
114 32.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 49.738 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion:131 Resp: 83047
Ion Ratio Lower Upper
131 100
133 96.9 47.9 143.8
119 67.0 33.3 99.8

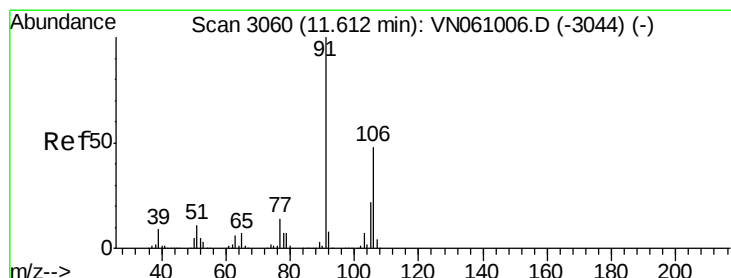
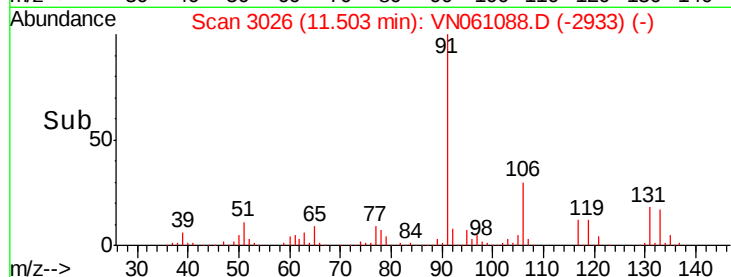
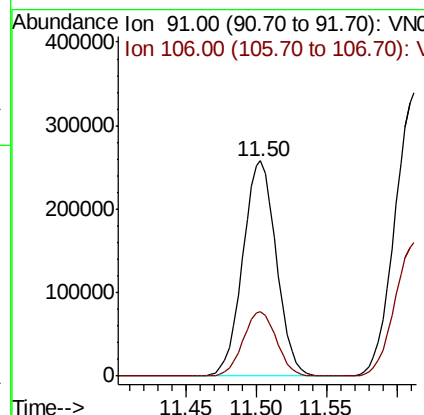
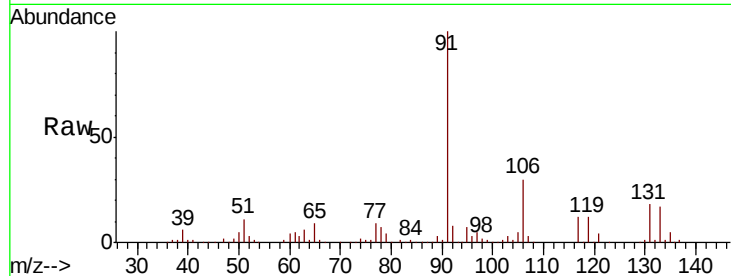




#67
Ethyl Benzene
Concen: 48.850 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

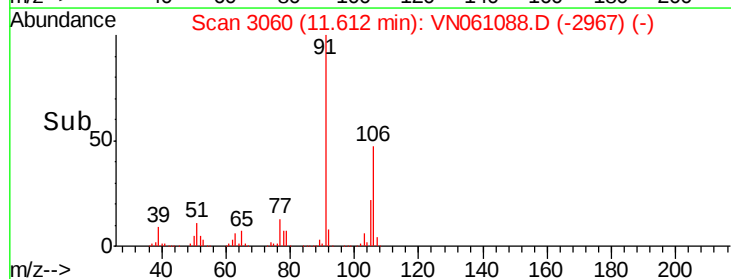
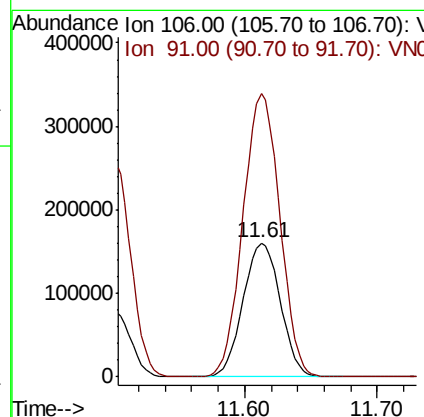
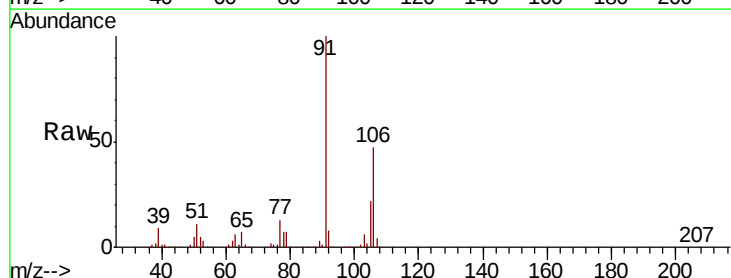
Instrument :
MSVOA_N
ClientSampleId :

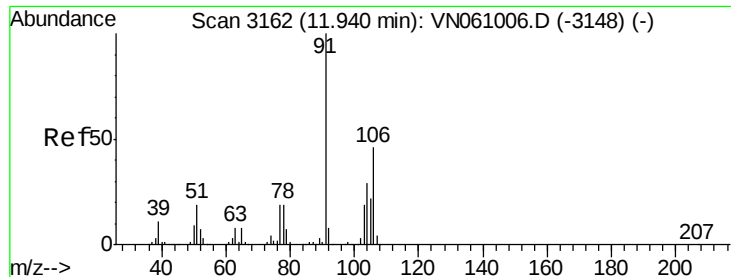
Tot Ion: 91 Resp: 428848
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.8



#68
m/p-Xylenes
Concen: 98.737 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion: 106 Resp: 313260
Ion Ratio Lower Upper
106 100
91 209.0 167.9 251.9

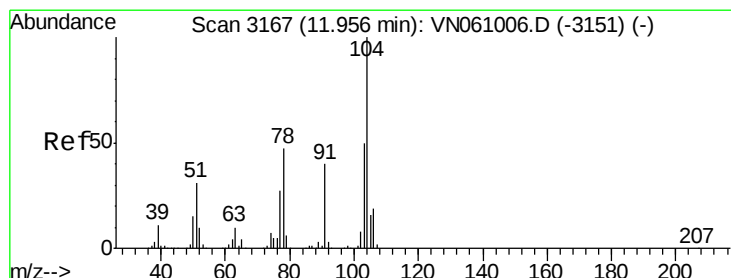
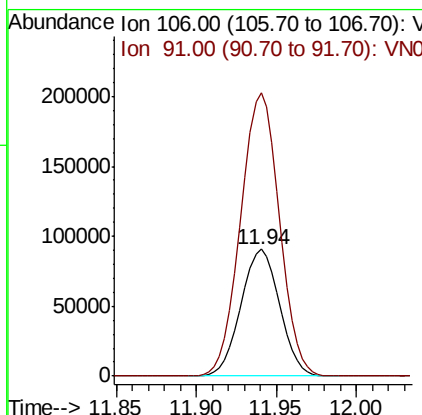
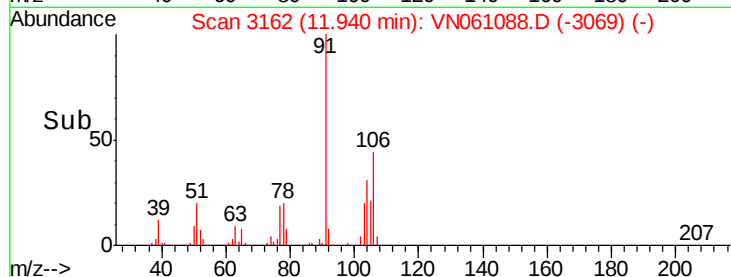
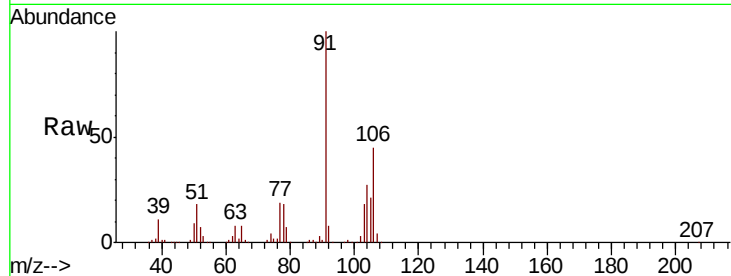




#69
o-Xylene
Concen: 49.199 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

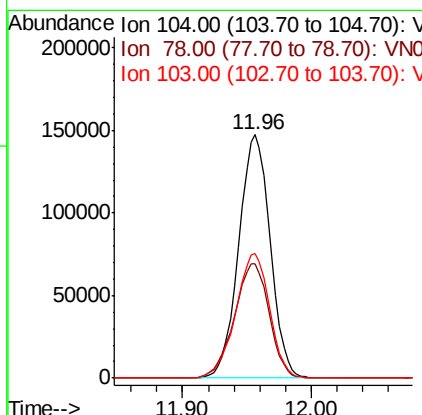
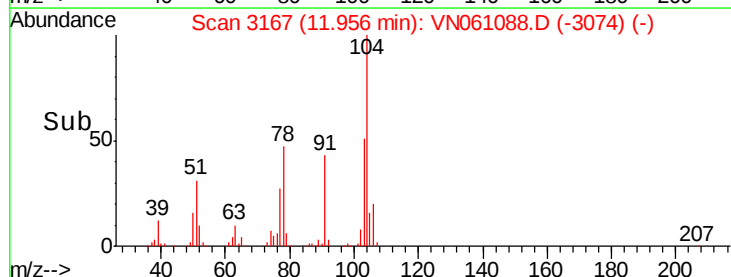
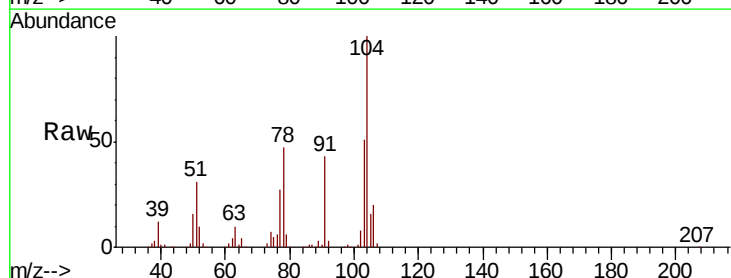
Instrument :
MSVOA_N
ClientSampled :

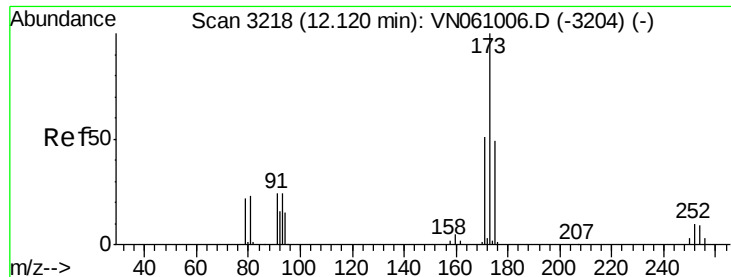
Tot Ion:106 Resp: 150079
Ion Ratio Lower Upper
106 100
91 222.6 110.7 332.1



#70
Styrene
Concen: 50.994 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion:104 Resp: 250426
Ion Ratio Lower Upper
104 100
78 52.2 42.2 63.4
103 55.0 44.4 66.6





#71

Bromoform

Concen: 52.474 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampled :

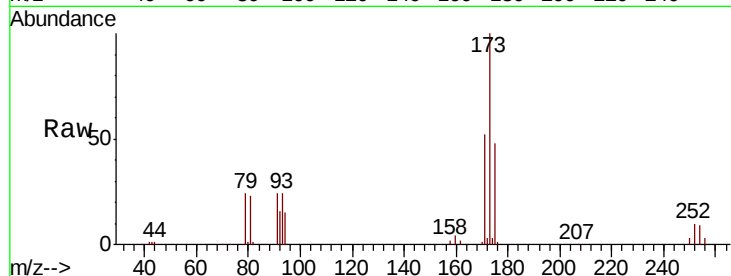
Tot Ion:173 Resp: 65400

Ion Ratio Lower Upper

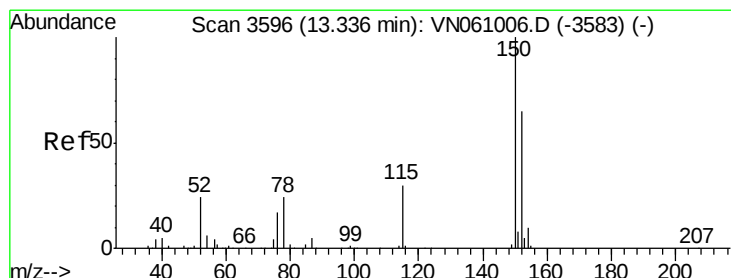
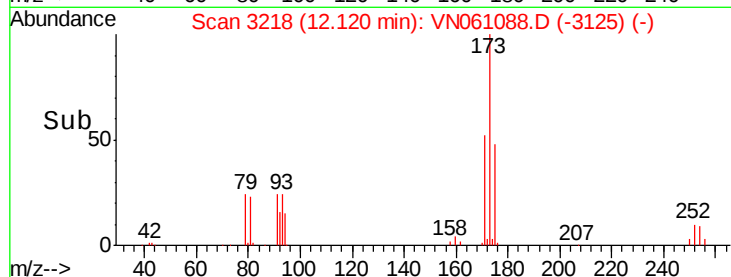
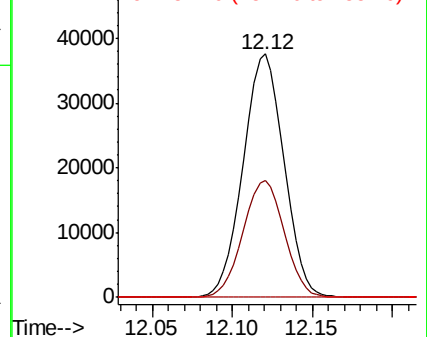
173 100

175 48.5 24.5 73.5

254 0.0 0.0 0.0



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# 3597

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

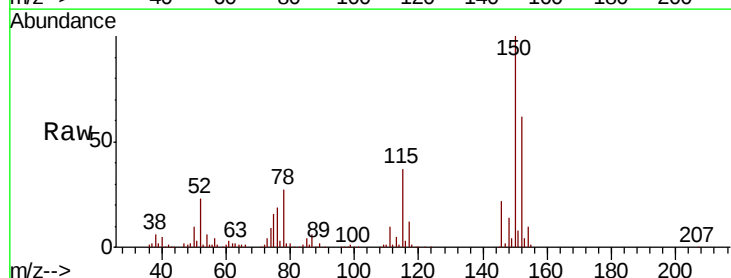
Tgt Ion:152 Resp: 106488

Ion Ratio Lower Upper

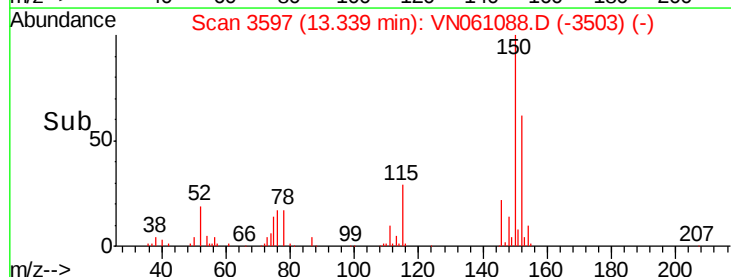
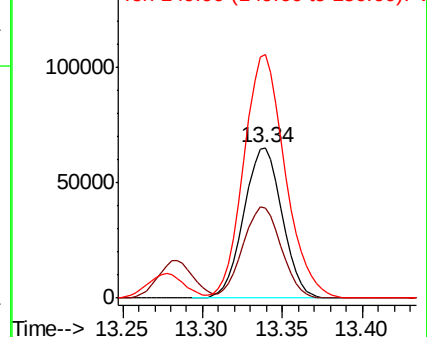
152 100

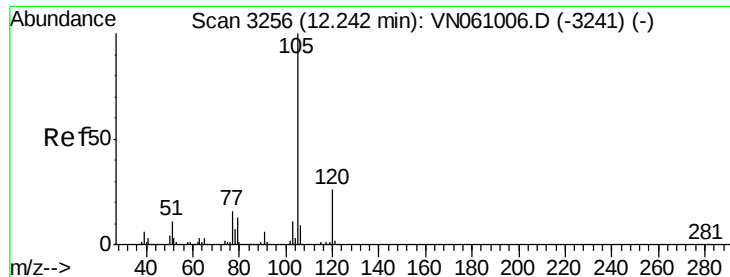
115 60.9 30.8 92.4

150 175.5 0.0 349.0



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: 47.141 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

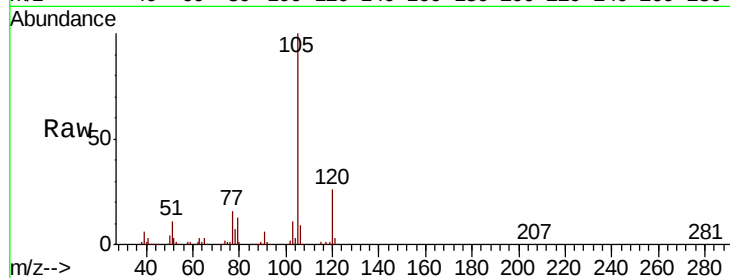
ClientSampled :

Tot Ion:105 Resp: 402177

Ion Ratio Lower Upper

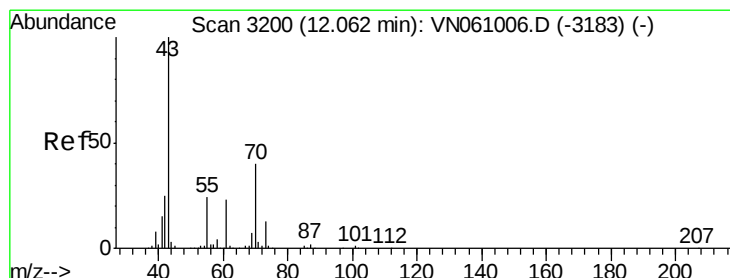
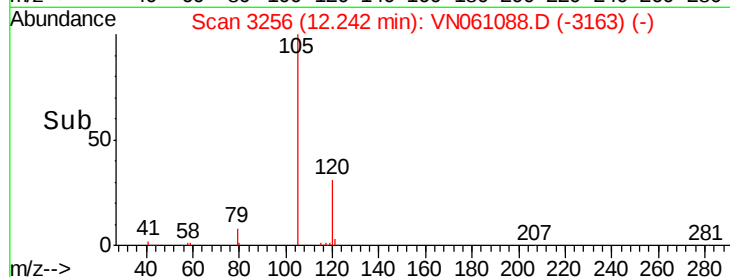
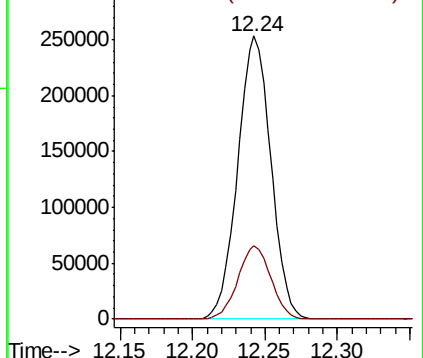
105 100

120 25.8 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 41.032 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Tgt Ion: 43 Resp: 162788

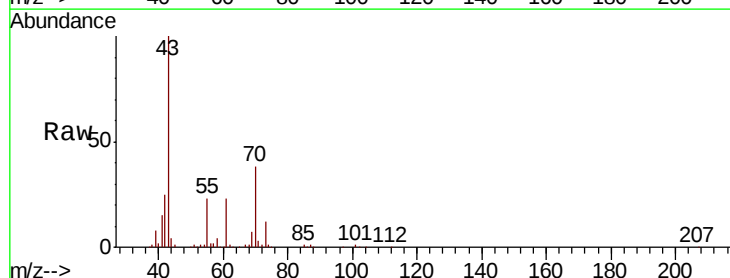
Ion Ratio Lower Upper

43 100

70 37.7 31.0 46.6

55 23.3 18.6 27.8

61 22.8 18.2 27.4

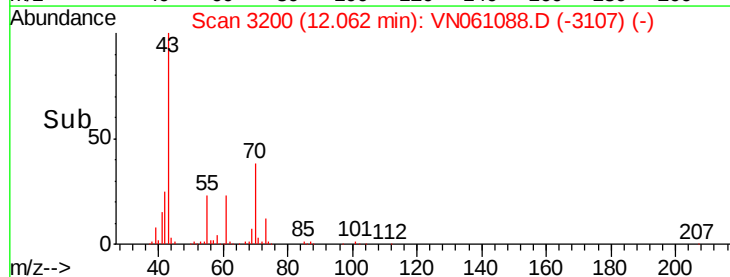
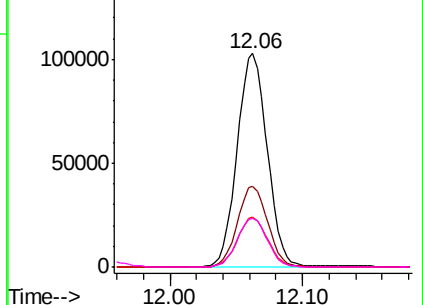


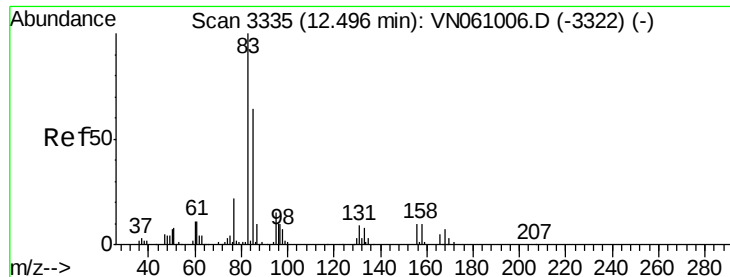
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.754 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampled :

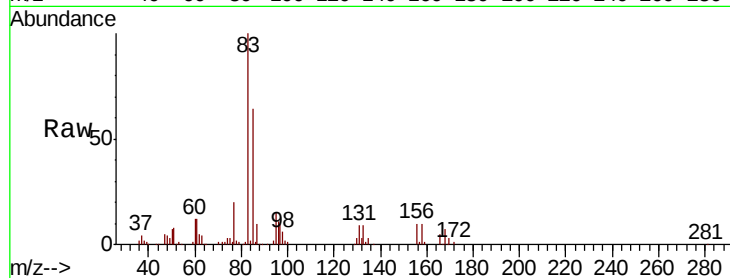
Tot Ion: 83 Resp: 129571

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

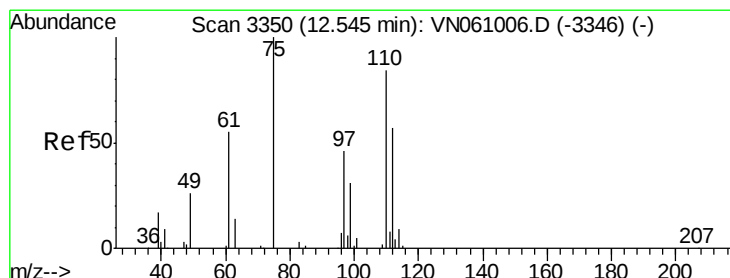
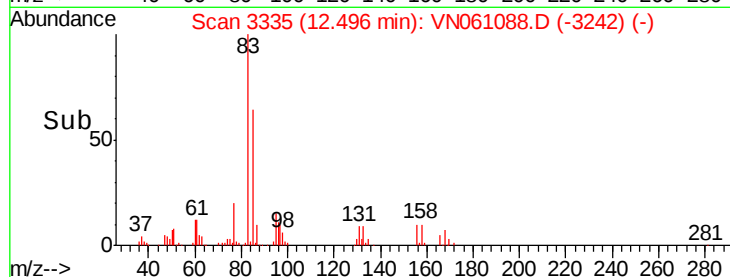
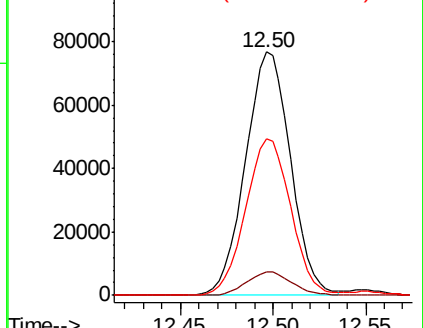
85 64.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN061088.D (-3242) (-)

Ion 130.80 (130.50 to 131.50): VN061088.D (-3242) (-)

Ion 84.90 (84.60 to 85.60): VN061088.D (-3242) (-)



#76

1,2,3-Trichloropropane

Concen: 72.713 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061088.D

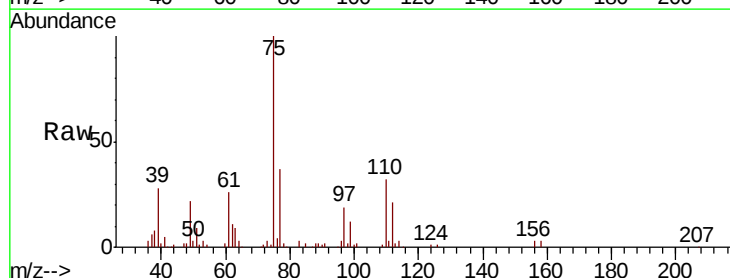
Acq: 18 Apr 2020 6:08

Tgt Ion: 75 Resp: 170315

Ion Ratio Lower Upper

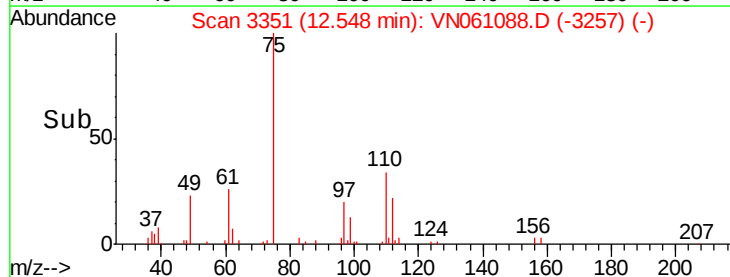
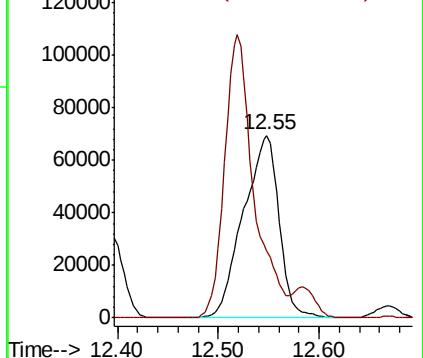
75 100

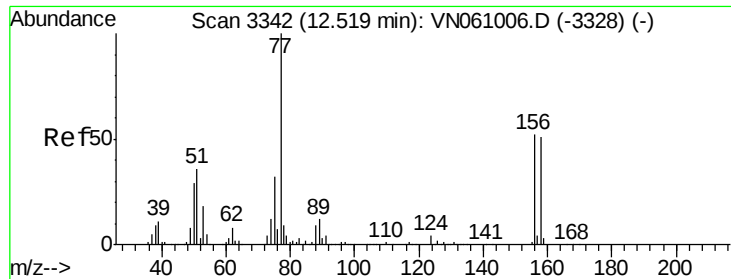
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061088.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN061088.D (-3257) (-)





#77

Bromobenzene

Concen: 48.073 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampled :

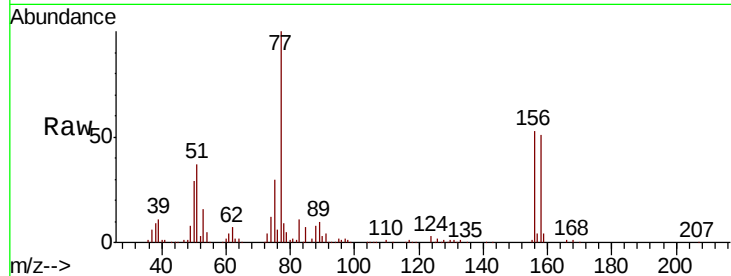
Tot Ion:156 Resp: 95756

Ion Ratio Lower Upper

156 100

77 229.1 115.6 346.8

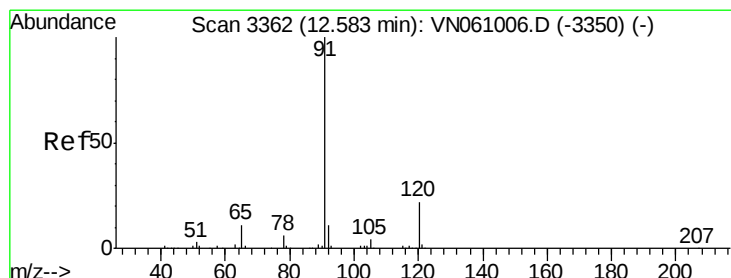
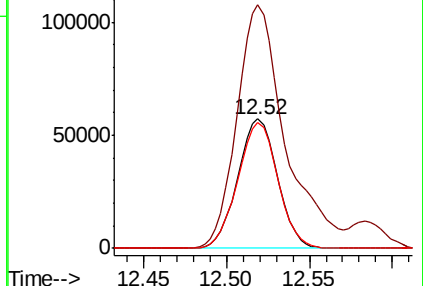
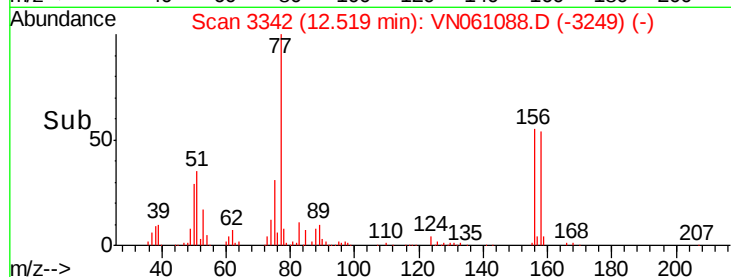
158 97.3 48.9 146.6



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: 47.894 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN061088.D

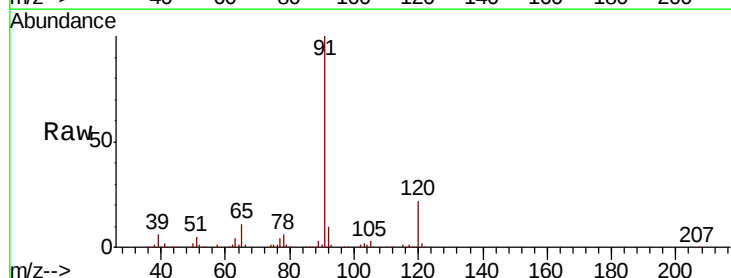
Acq: 18 Apr 2020 6:08

Tgt Ion: 91 Resp: 478047

Ion Ratio Lower Upper

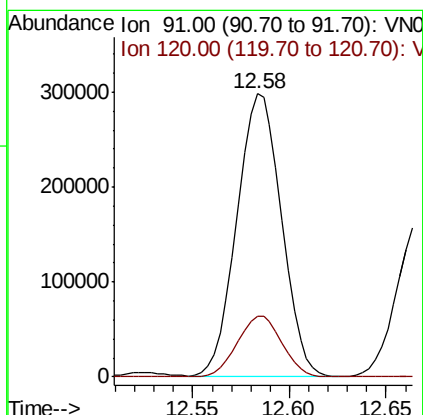
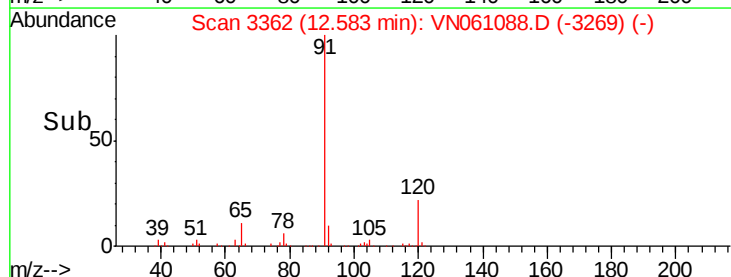
91 100

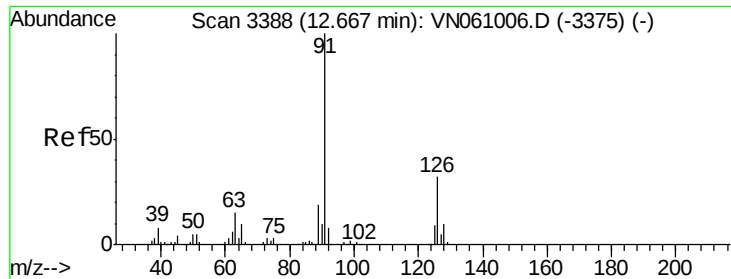
120 21.6 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.174 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

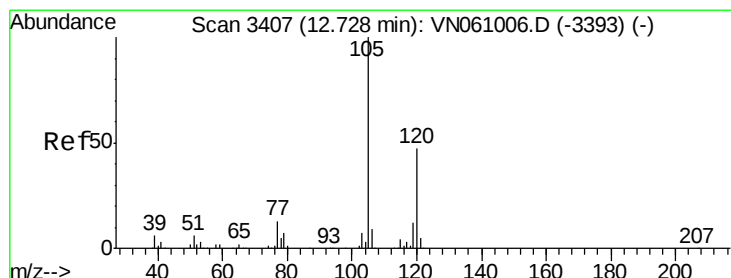
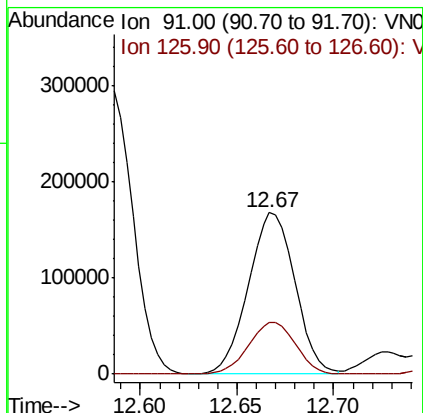
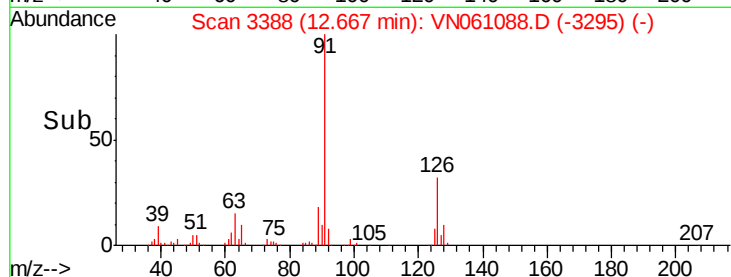
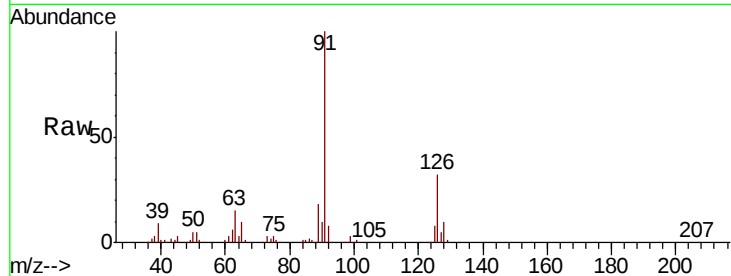
ClientSampled :

Tot Ion: 91 Resp: 282015

Ion Ratio Lower Upper

91 100

126 32.4 16.1 48.2



#80

1,3,5-Trimethylbenzene

Concen: 47.928 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061088.D

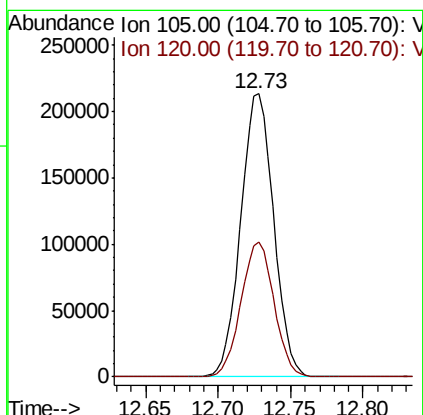
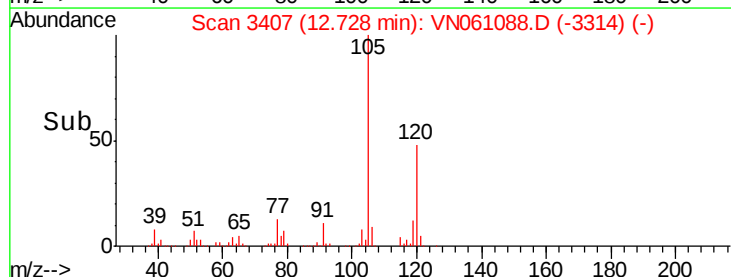
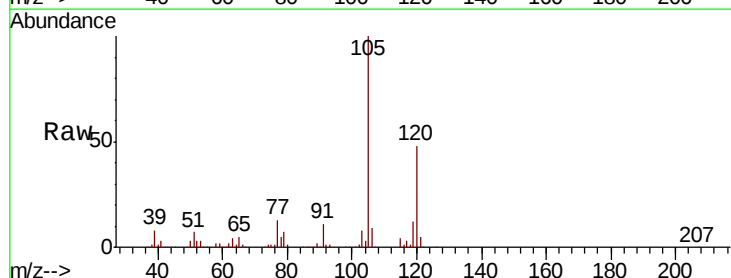
Acq: 18 Apr 2020 6:08

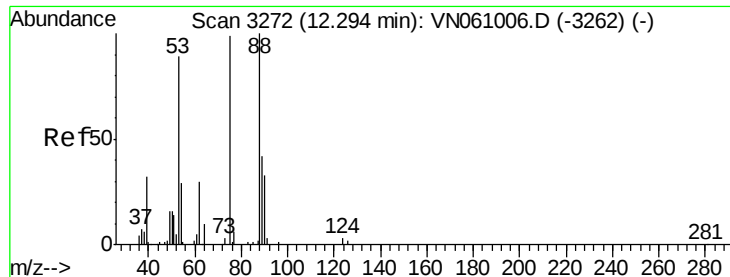
Tgt Ion: 105 Resp: 337977

Ion Ratio Lower Upper

105 100

120 47.6 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 42.533 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

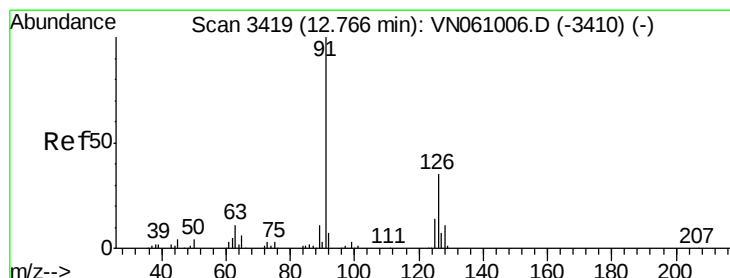
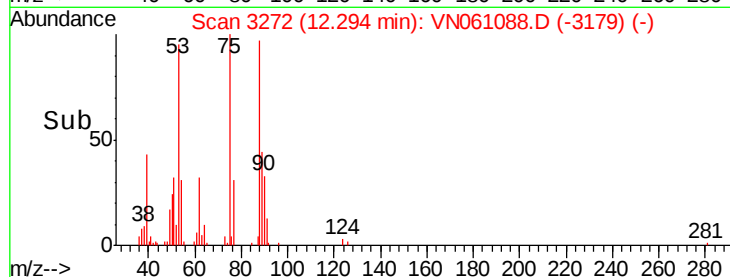
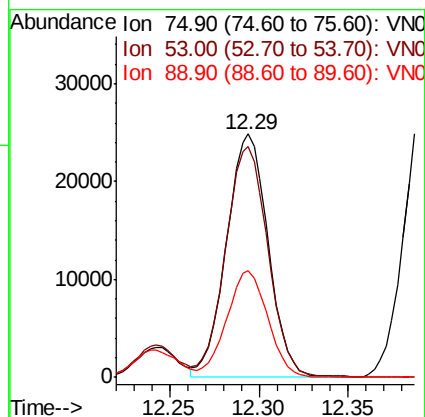
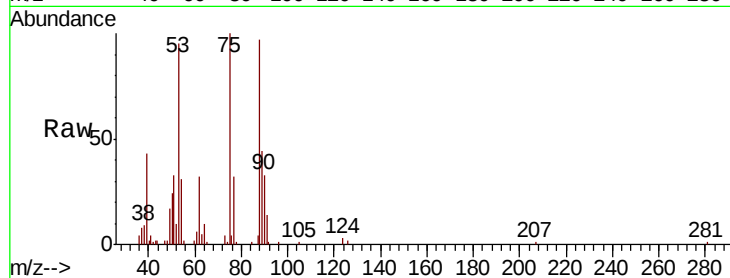
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 40390

Ion	Ratio	Lower	Upper
75	100		
53	95.5	74.7	112.1
89	43.1	34.6	52.0



#82

4-Chlorotoluene

Concen: 48.079 ug/l

RT: 12.77 min Scan# 3419

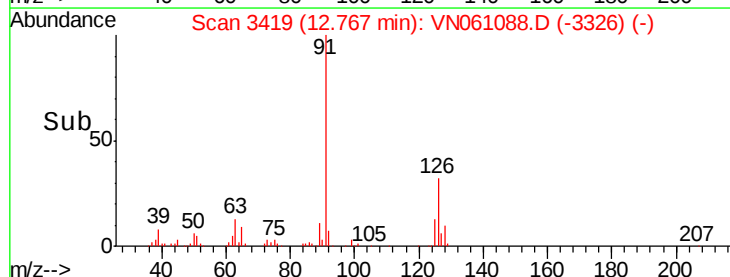
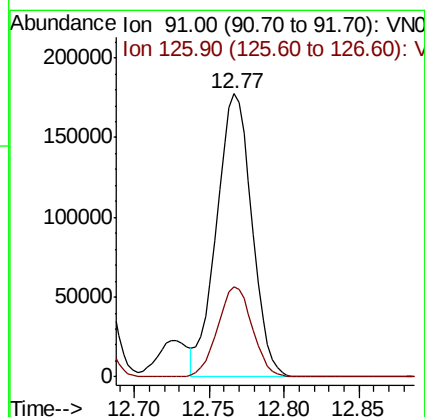
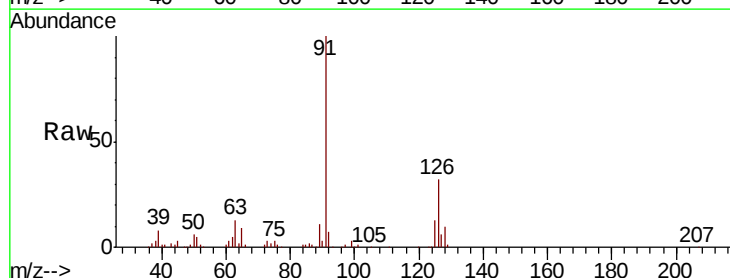
Delta R.T. 0.00 min

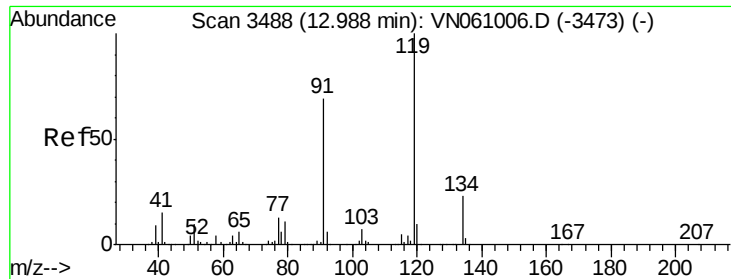
Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Tgt Ion: 91 Resp: 291908

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.6

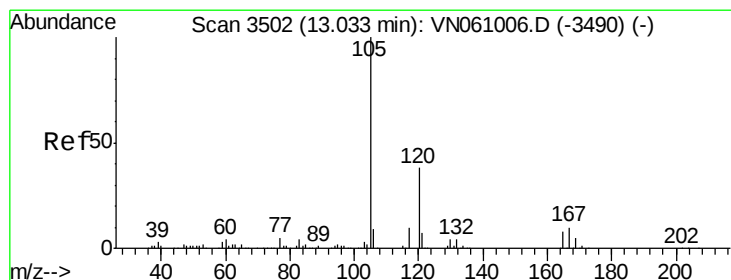
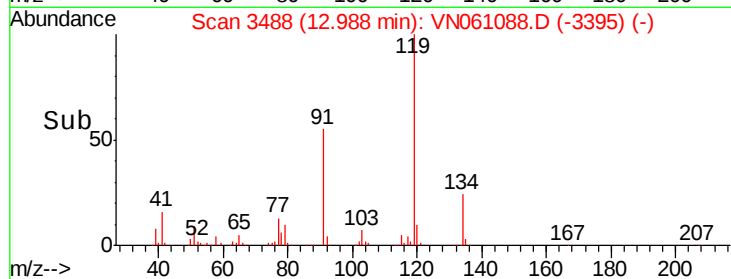
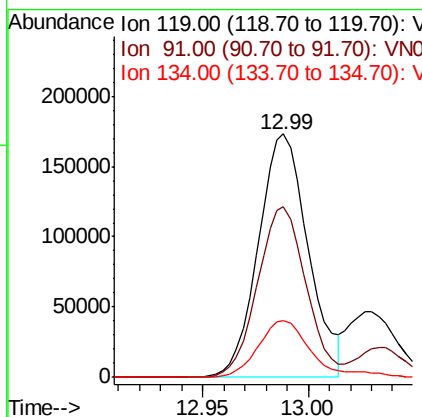
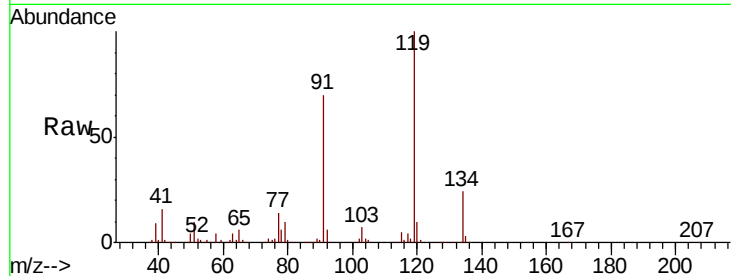




#83
 tert-Butylbenzene
 Concen: 48.005 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

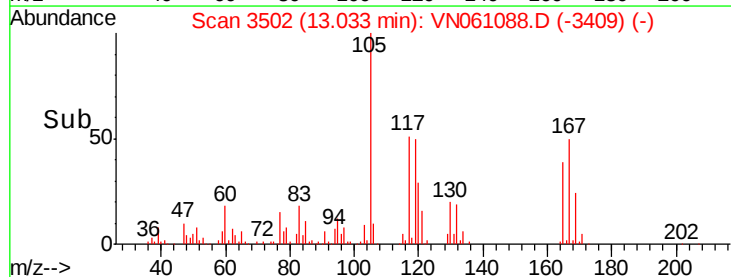
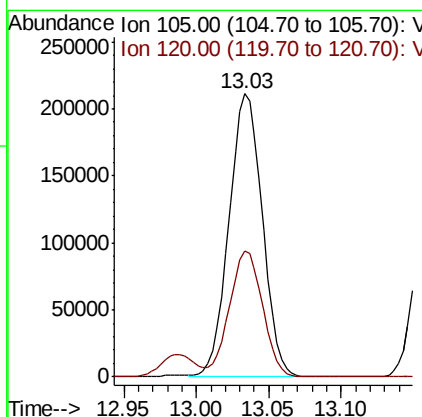
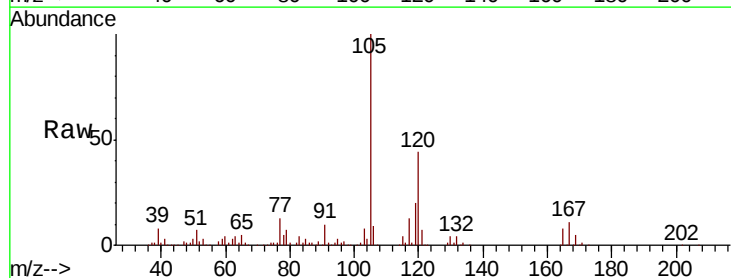
Instrument :
 MSVOA_N
 ClientSampled :

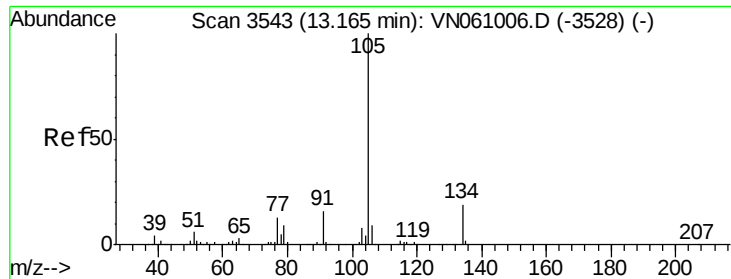
Tot Ion:119 Resp: 284686
 Ion Ratio Lower Upper
 119 100
 91 68.5 34.1 102.3
 134 24.9 12.4 37.2



#84
 1,2,4-Trimethylbenzene
 Concen: 48.379 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion:105 Resp: 337221
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 47.843 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

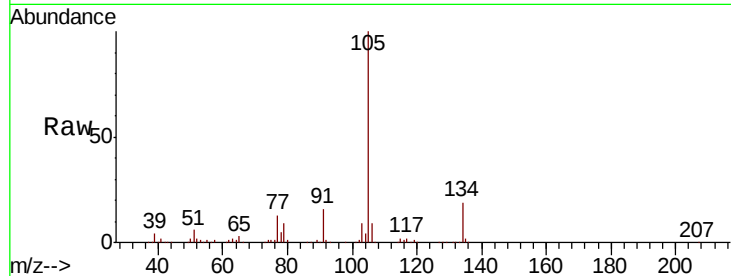
ClientSampled :

Tot Ion:105 Resp: 384435

Ion Ratio Lower Upper

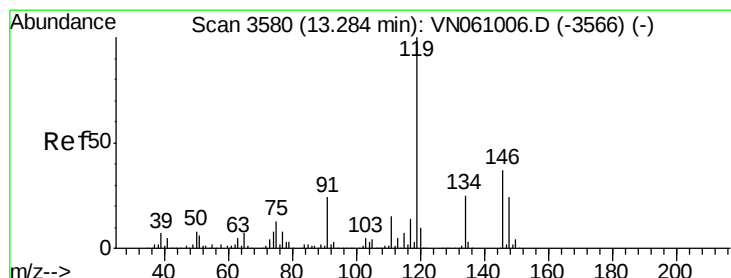
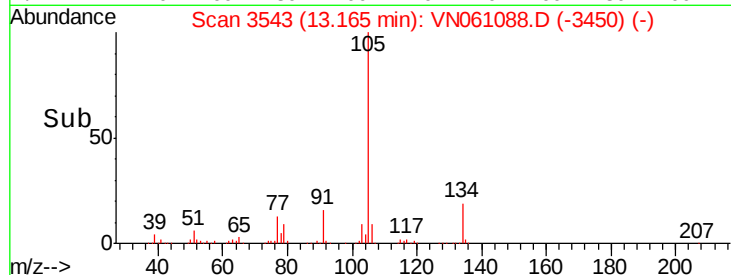
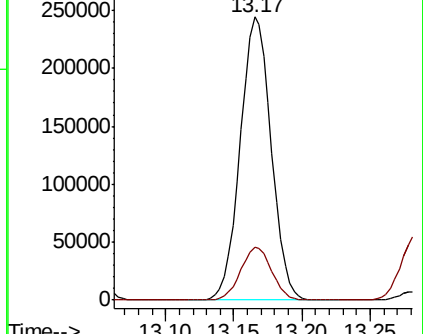
105 100

134 18.7 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.021 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

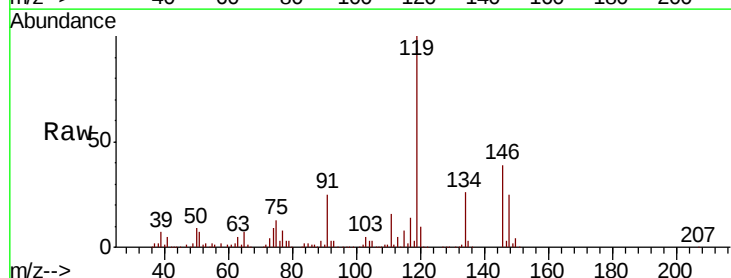
Tgt Ion:119 Resp: 336446

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

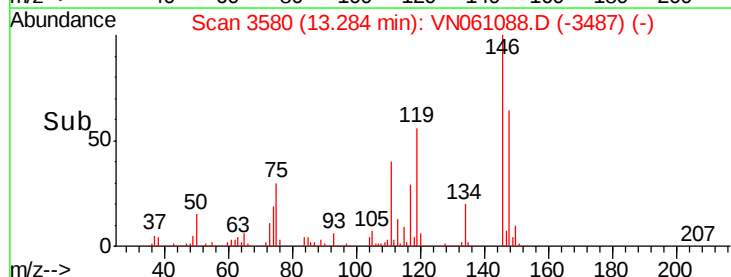
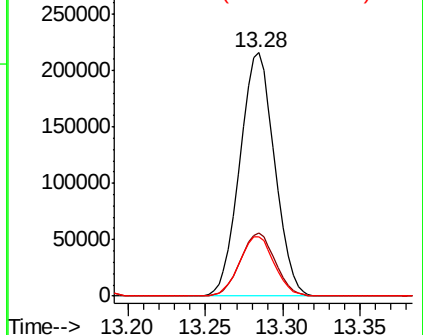
91 24.7 12.3 36.8

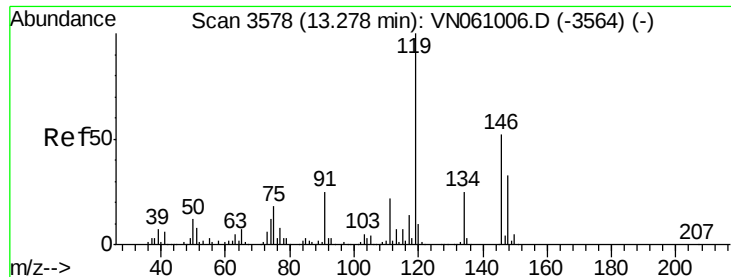


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.823 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampled :

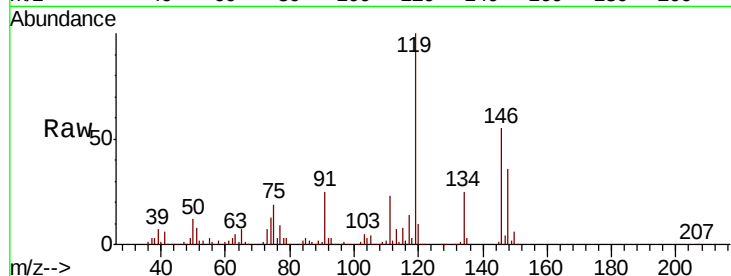
Tot Ion:146 Resp: 169765

Ion Ratio Lower Upper

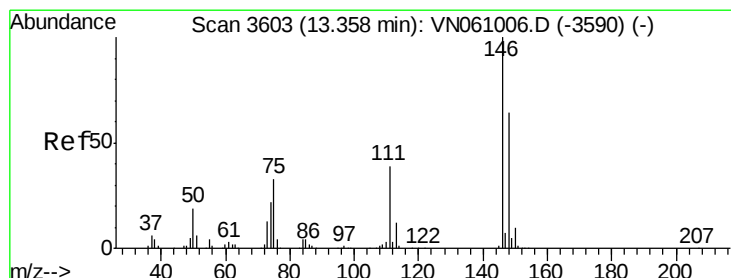
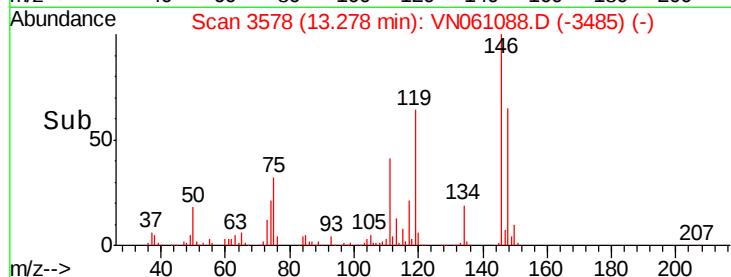
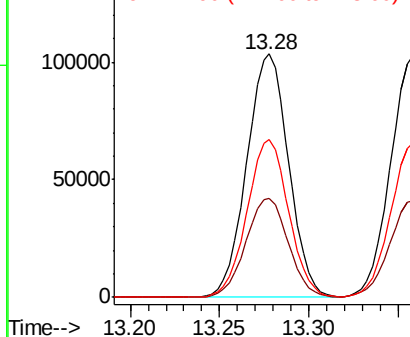
146 100

111 41.0 20.6 61.8

148 64.3 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 47.213 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

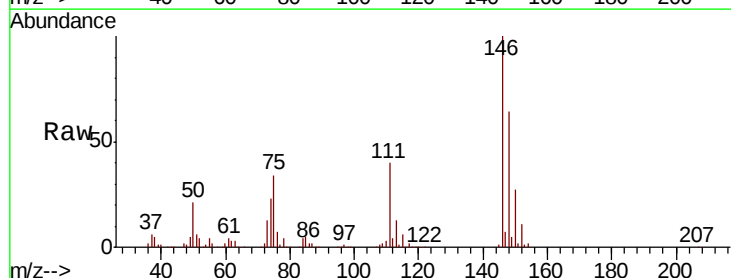
Tgt Ion:146 Resp: 168611

Ion Ratio Lower Upper

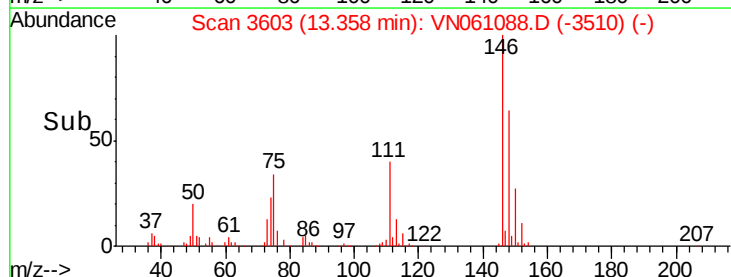
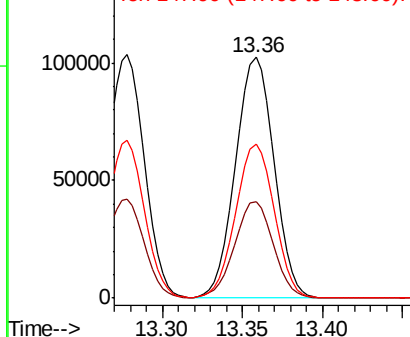
146 100

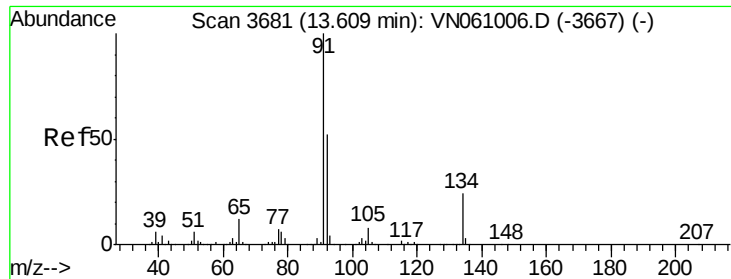
111 40.3 20.1 60.3

148 63.9 32.1 96.3



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





#89

n-Butylbenzene

Concen: 45.609 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampled :

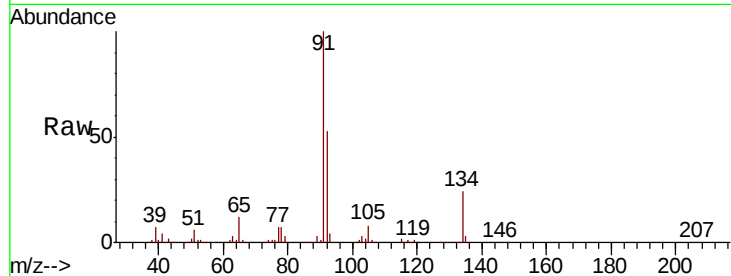
Tot Ion: 91 Resp: 303472

Ion Ratio Lower Upper

91 100

92 52.2 26.1 78.2

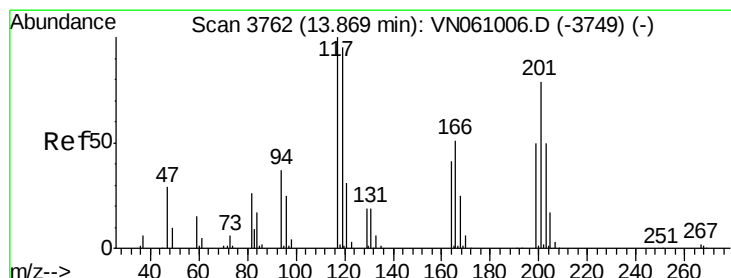
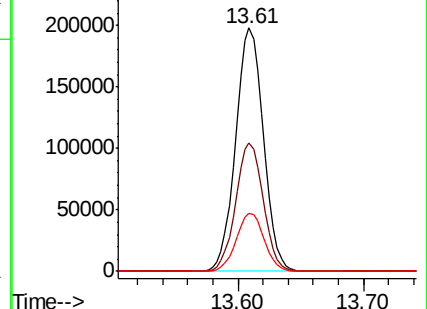
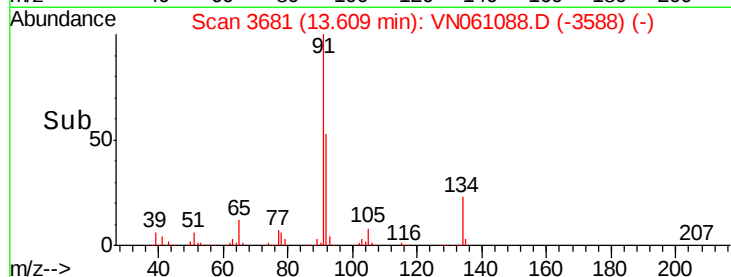
134 23.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN061088.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN061088.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN061088.D (-3669) (-)



#90

Hexachloroethane

Concen: 48.536 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN061088.D

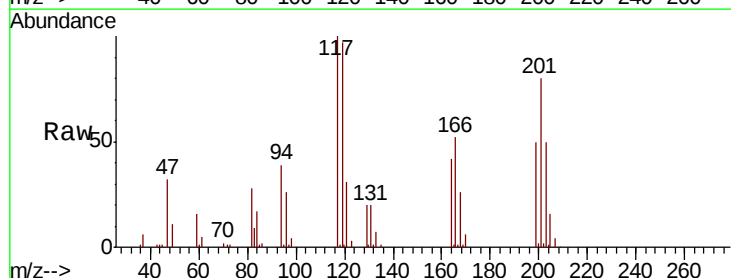
Acq: 18 Apr 2020 6:08

Tgt Ion: 117 Resp: 53282

Ion Ratio Lower Upper

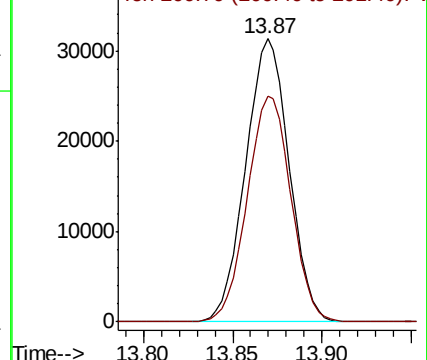
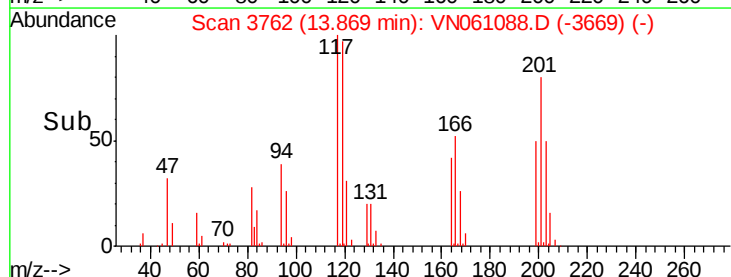
117 100

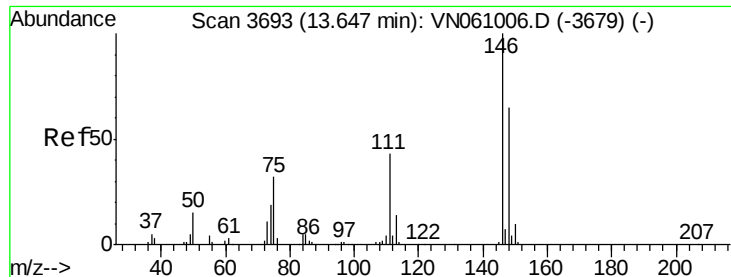
201 80.2 39.3 117.9



Abundance Ion 116.80 (116.50 to 117.50): VN061088.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN061088.D (-3669) (-)





#91

1,2-Dichlorobenzene

Concen: 48.770 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

Instrument :

MSVOA_N

ClientSampled :

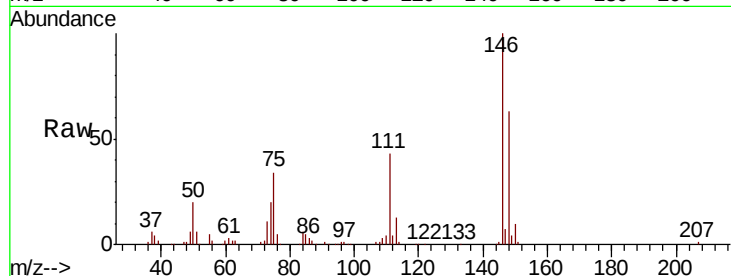
Tot Ion:146 Resp: 165236

Ion Ratio Lower Upper

146 100

111 42.5 21.3 64.0

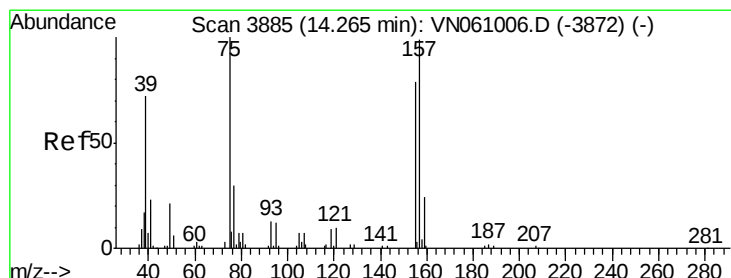
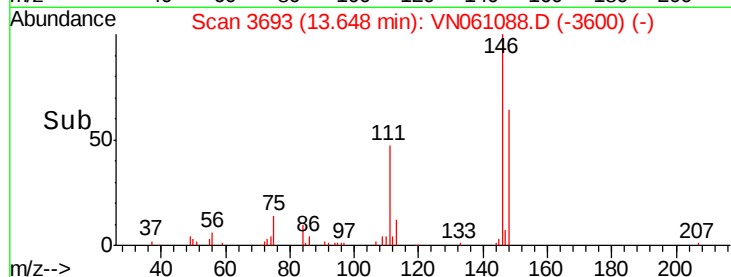
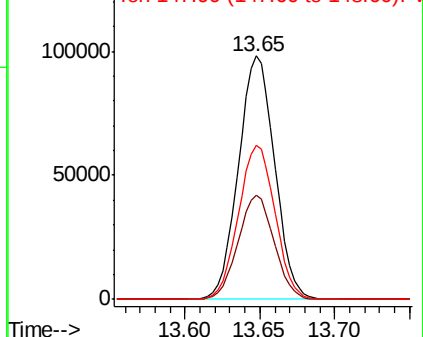
148 63.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.475 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN061088.D

Acq: 18 Apr 2020 6:08

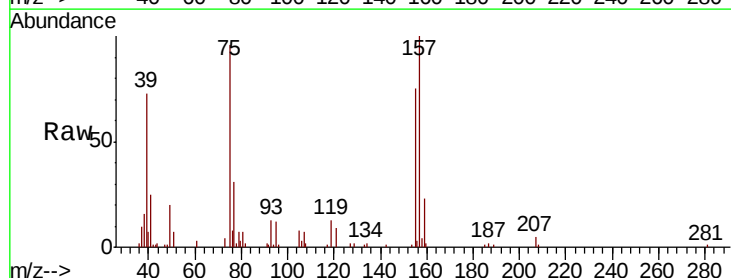
Tgt Ion: 75 Resp: 26448

Ion Ratio Lower Upper

75 100

155 77.4 39.5 118.5

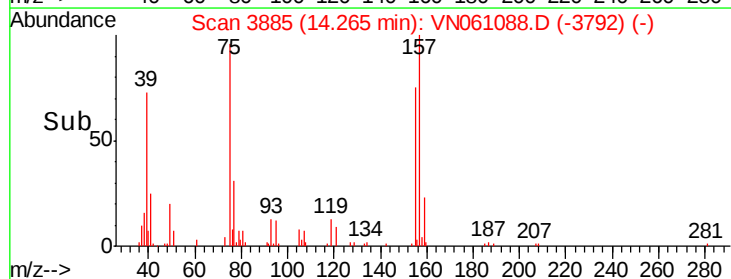
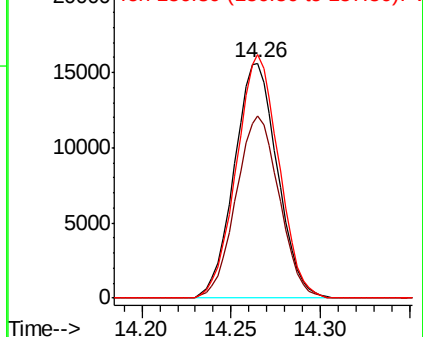
157 101.7 50.1 150.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

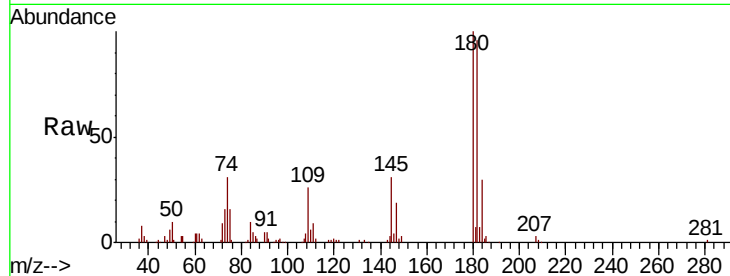




#93
 1,2,4-Trichlorobenzene
 Concen: 48.309 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	30.7	15.3	45.8

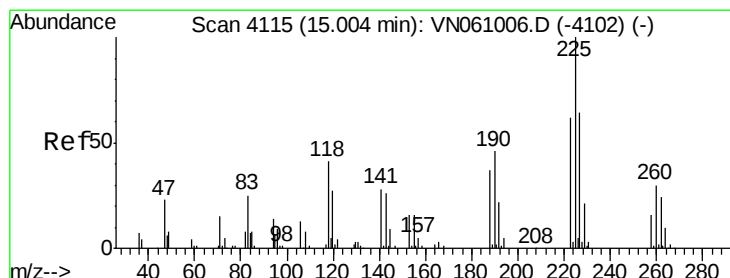
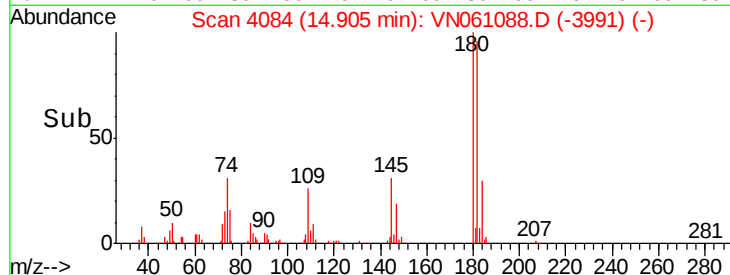
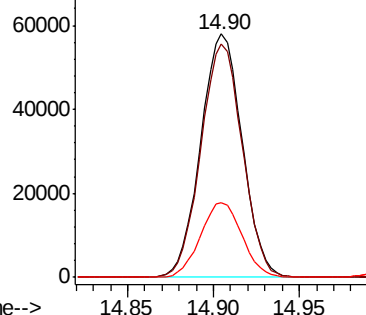


Abundance

Ion 179.80 (179.50 to 180.50): V

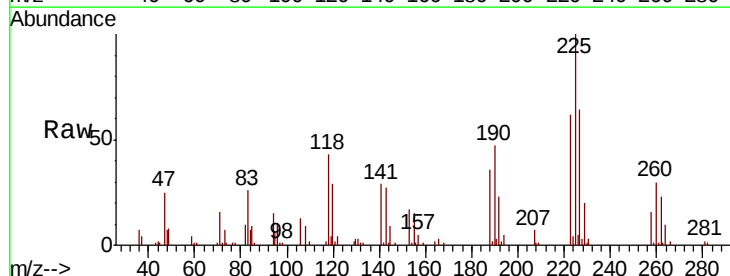
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 43.425 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN061088.D
 Acq: 18 Apr 2020 6:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.3	93.8
227	63.6	31.9	95.5

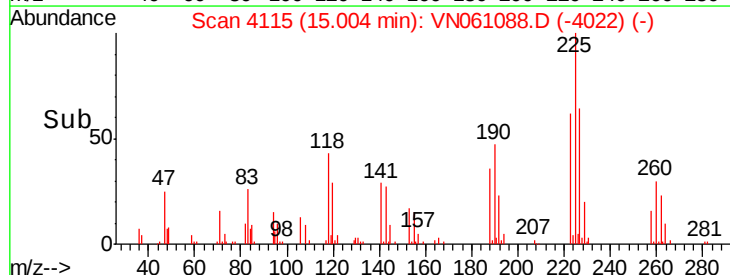
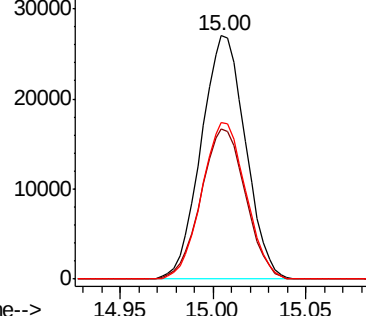


Abundance

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

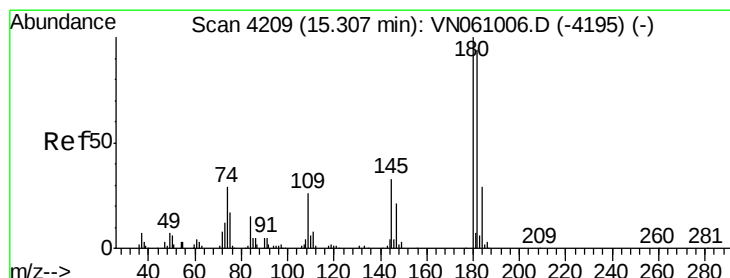
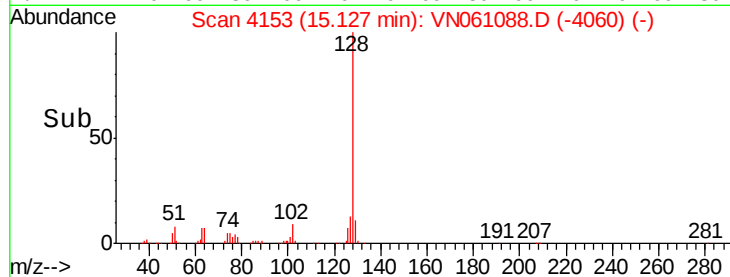
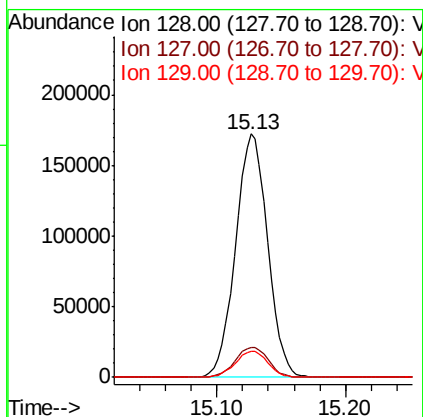
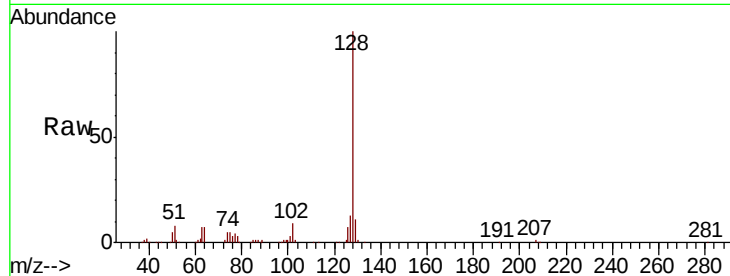




#95
Naphthalene
Concen: 50.777 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 296961
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.188 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. 0.00 min
Lab File: VN061088.D
Acq: 18 Apr 2020 6:08

Tgt Ion:180 Resp: 95057
Ion Ratio Lower Upper
180 100
182 94.7 47.6 142.8
145 32.5 16.4 49.2

