

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061223.D
 Acq On : 1 May 2020 12:15
 Operator : JC/MD
 Sample : VN0501WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Quant Time: May 04 00:51:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	125358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	212809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	193941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	90498	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	94242	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
35) Dibromofluoromethane	7.54	113	60927	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	10.06	98	261407	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.38	95	95395	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	23797	17.902	ug/l	98
3) Chloromethane	2.03	50	33310	20.690	ug/l	99
4) Vinyl Chloride	2.16	62	32307	17.667	ug/l	100
5) Bromomethane	2.54	94	13674	15.128	ug/l	99
6) Chloroethane	2.67	64	19050	16.436	ug/l	98
7) Trichlorofluoromethane	2.98	101	39568	19.179	ug/l	95
8) Diethyl Ether	3.37	74	17773	20.654	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.71	101	25319	19.050	ug/l	99
10) Methyl Iodide	3.91	142	30031	17.582	ug/l	97
11) Tert butyl alcohol	4.72	59	22917	86.248	ug/l	97
12) 1,1-Dichloroethene	3.70	96	24667	18.650	ug/l	95
13) Acrolein	3.56	56	13295	75.083	ug/l	96
14) Allyl chloride	4.27	41	54930	22.399	ug/l	91
15) Acrylonitrile	4.92	53	80153	98.267	ug/l	98
16) Acetone	3.77	43	69792	87.384	ug/l	96
17) Carbon Disulfide	4.01	76	66301	18.147	ug/l	99
18) Methyl Acetate	4.27	43	43790	17.930	ug/l	95
19) Methyl tert-butyl Ether	4.99	73	89902	17.789	ug/l	99
20) Methylene Chloride	4.50	84	29093	18.810	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	26390	18.324	ug/l	94
22) Diisopropyl ether	5.90	45	112144	19.720	ug/l	99
23) Vinyl Acetate	5.84	43	431212	94.172	ug/l	99
24) 1,1-Dichloroethane	5.79	63	55687	18.742	ug/l	99
25) 2-Butanone	6.78	43	105754	90.101	ug/l	100
26) 2,2-Dichloropropane	6.78	77	45956	18.363	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	30390	17.981	ug/l	98
28) Bromochloromethane	7.15	49	30047	21.335	ug/l	94
29) Tetrahydrofuran	7.16	42	72272	91.408	ug/l	97
30) Chloroform	7.33	83	52638	17.481	ug/l	99
31) Cyclohexane	7.61	56	51344	17.793	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	43576	16.619	ug/l	99
36) 1,1-Dichloropropene	7.75	75	39202	18.402	ug/l	99
37) Ethyl Acetate	6.88	43	46808	18.742	ug/l	100
38) Carbon Tetrachloride	7.73	117	31018	17.515	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	43411	18.171	ug/l	97
40) Benzene	8.00	78	118345	18.647	ug/l	100
41) Methacrylonitrile	7.12	41	20617	19.883	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	43413	18.056	ug/l	100
43) Isopropyl Acetate	8.12	43	75652	18.252	ug/l	99
44) Trichloroethene	8.80	130	29294	17.074	ug/l	99
45) 1,2-Dichloropropane	9.08	63	32585	19.217	ug/l	99
46) Dibromomethane	9.17	93	18963	18.062	ug/l	97
47) Bromodichloromethane	9.37	83	40396	17.927	ug/l	99
48) Methyl methacrylate	9.17	41	33025	17.657	ug/l	99
49) 1,4-Dioxane	9.17	88	7389	348.034	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	223528	91.622	ug/l	99
52) Toluene	10.12	92	70211	18.366	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	45754	18.020	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	49044	18.270	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	27173	17.820	ug/l	98
56) Ethyl methacrylate	10.40	69	41419	17.465	ug/l	96
57) 1,3-Dichloropropane	10.68	76	50144	18.709	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	115638	93.690	ug/l	97
59) 2-Hexanone	10.72	43	157922	88.974	ug/l	100
60) Dibromochloromethane	10.87	129	27422	17.171	ug/l	98
61) 1,2-Dibromoethane	10.98	107	27626	18.076	ug/l	99
64) Tetrachloroethene	10.60	164	29528	17.579	ug/l	98
65) Chlorobenzene	11.41	112	70456	18.314	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	25182	18.289	ug/l	98
67) Ethyl Benzene	11.49	91	132682	18.423	ug/l	98
68) m/p-Xylenes	11.60	106	96225	36.503	ug/l	97
69) o-Xylene	11.92	106	45317	17.897	ug/l	97
70) Styrene	11.94	104	75606	17.840	ug/l	99
71) Bromoform	12.10	173	17999	17.786	ug/l #	97
73) Isopropylbenzene	12.22	105	123696	18.593	ug/l	99
74) N-amyl acetate	12.05	43	60079	17.833	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	39210	18.901	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	52736	27.640	ug/l #	100
77) Bromobenzene	12.50	156	28414	18.501	ug/l	98
78) n-propylbenzene	12.57	91	148463	18.814	ug/l	100
79) 2-Chlorotoluene	12.65	91	87953	18.963	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	105216	19.108	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	13397	17.831	ug/l	100
82) 4-Chlorotoluene	12.75	91	90431	18.499	ug/l	99
83) tert-Butylbenzene	12.97	119	84993	18.306	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	104532	18.426	ug/l	99
85) sec-Butylbenzene	13.15	105	118382	18.701	ug/l	99
86) p-Isopropyltoluene	13.26	119	105648	18.524	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	51686	18.281	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	52179	18.063	ug/l	98
89) n-Butylbenzene	13.59	91	96038	18.368	ug/l	99
90) Hexachloroethane	13.85	117	10709	22.882	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	50349	18.573	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7686	17.543	ug/l	97

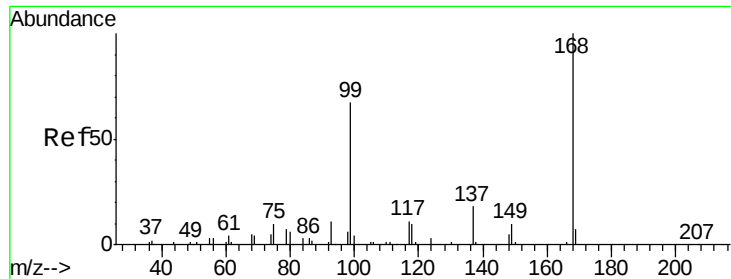
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	29214	17.697	ug/l	98
94) Hexachlorobutadiene	14.98	225	13638	19.775	ug/l	98
95) Naphthalene	15.11	128	86697	16.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	28920	17.744	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

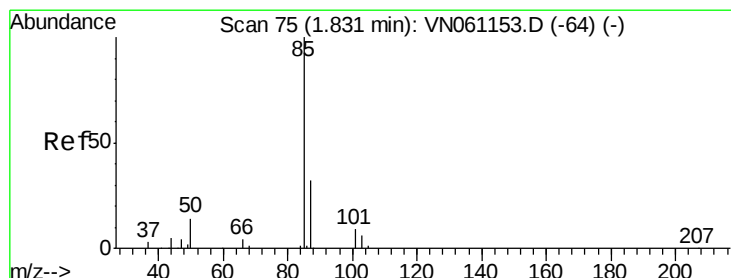
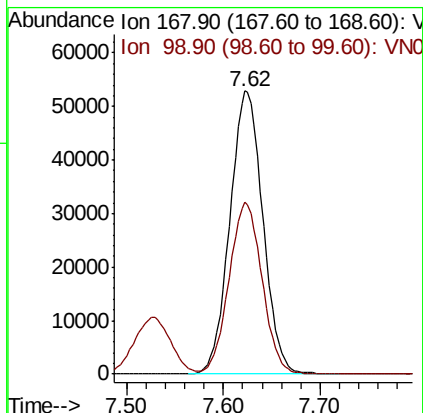
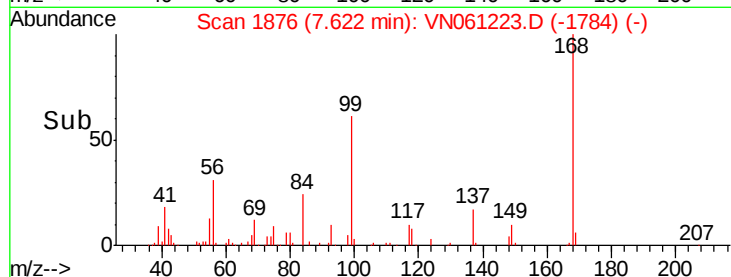
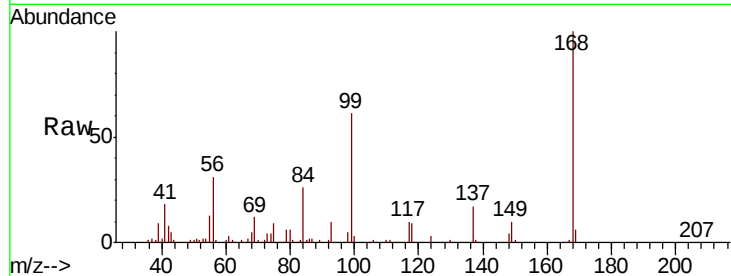
VN0501WBS01

Tot Ion:168 Resp: 125358

Ion Ratio Lower Upper

168 100

99 60.6 51.2 76.8



#2

Dichlorodifluoromethane

Concen: 17.902 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061223.D

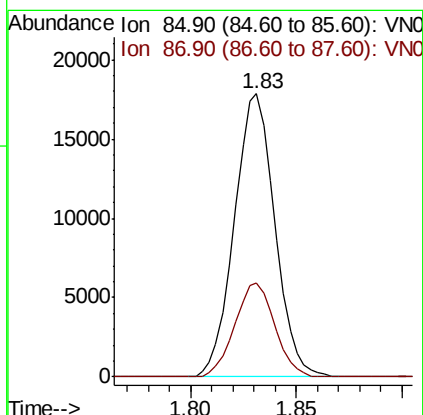
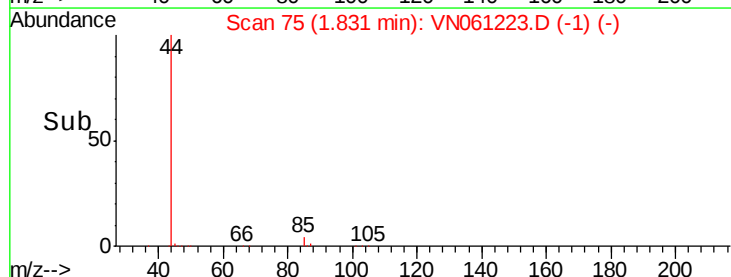
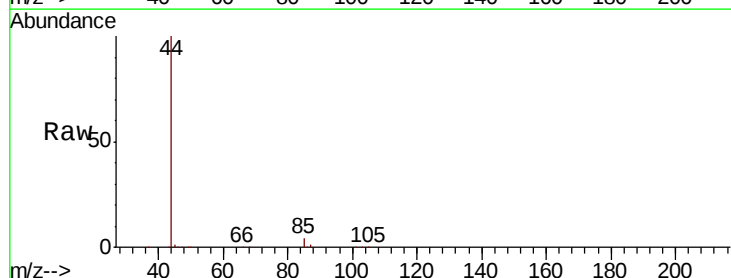
Acq: 1 May 2020 12:15

Tgt Ion: 85 Resp: 23797

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.2





#3

Chloromethane

Concen: 20.690 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

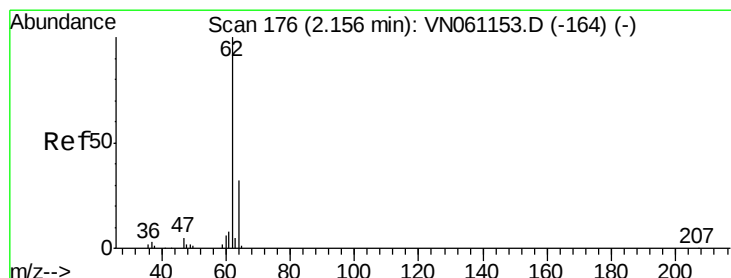
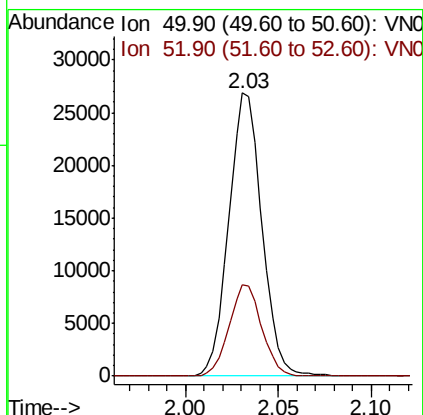
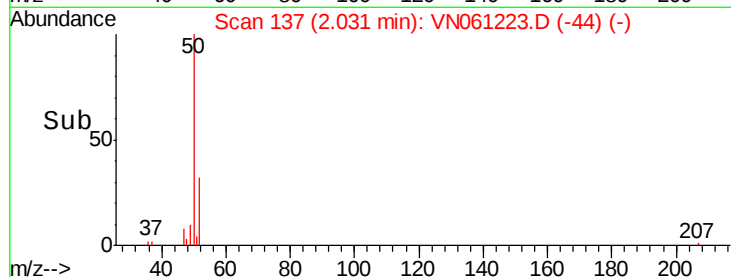
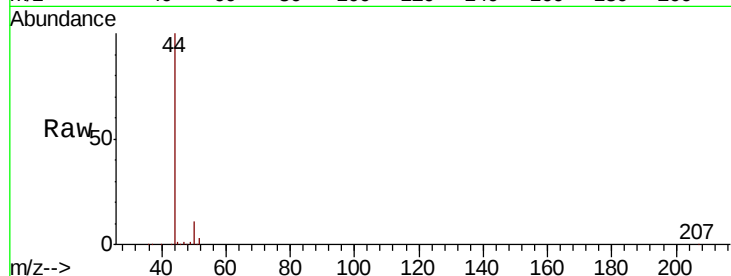
VN0501WBS01

Tot Ion: 50 Resp: 33310

Ion Ratio Lower Upper

50 100

52 32.2 26.0 39.0



#4

Vinyl Chloride

Concen: 17.667 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061223.D

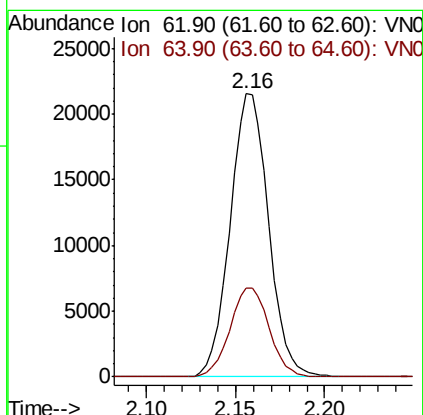
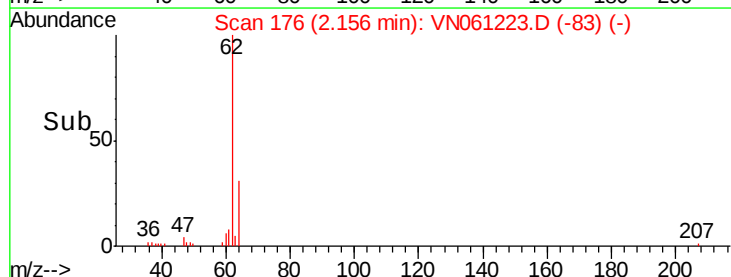
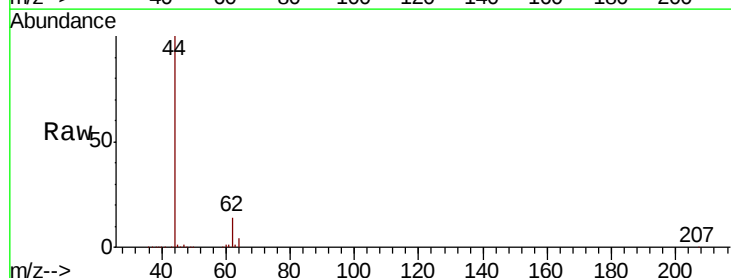
Acq: 1 May 2020 12:15

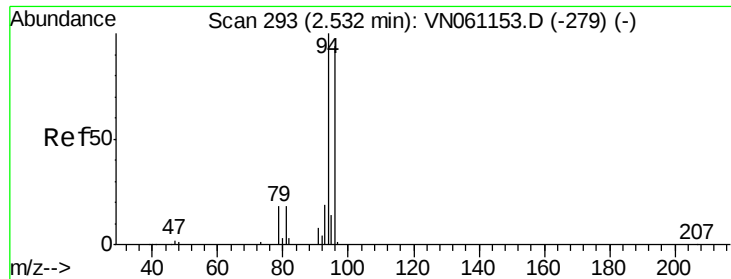
Tgt Ion: 62 Resp: 32307

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 15.128 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.01 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

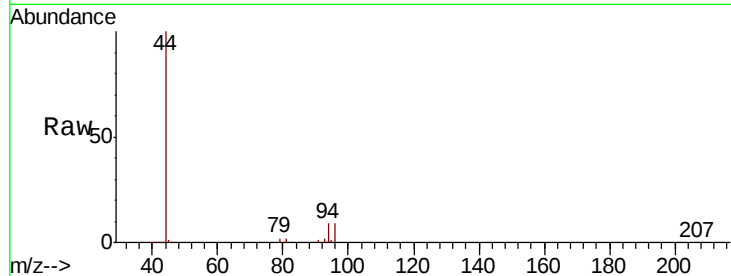
VN0501WBS01

Tot Ion: 94 Resp: 13674

Ion Ratio Lower Upper

94 100

96 95.3 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

8000

6000

4000

2000

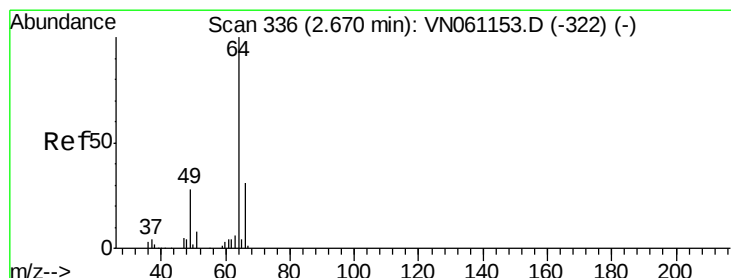
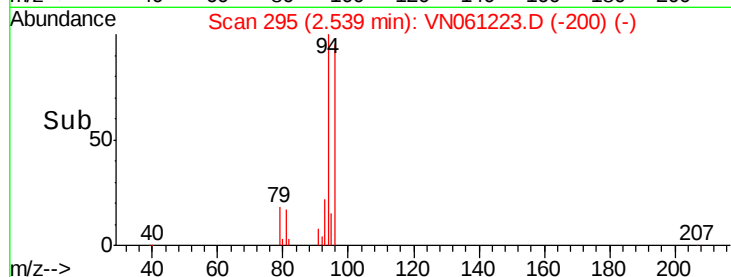
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Time-->

2.50

2.55

2.60



#6

Chloroethane

Concen: 16.436 ug/l

RT: 2.67 min Scan# 337

Delta R.T. 0.00 min

Lab File: VN061223.D

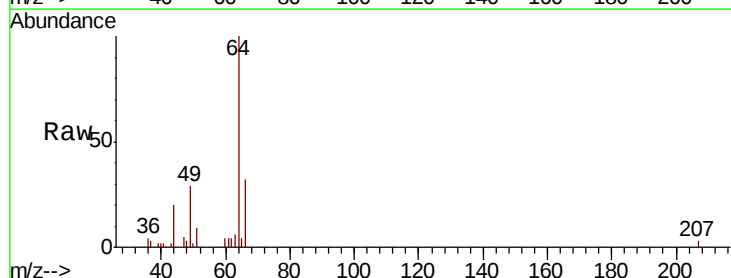
Acq: 1 May 2020 12:15

Tgt Ion: 64 Resp: 19050

Ion Ratio Lower Upper

64 100

66 32.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

12000

10000

8000

6000

4000

2000

0

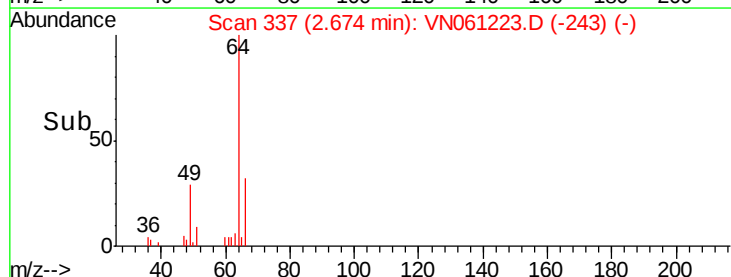
Time-->

2.60

2.65

2.70

2.75



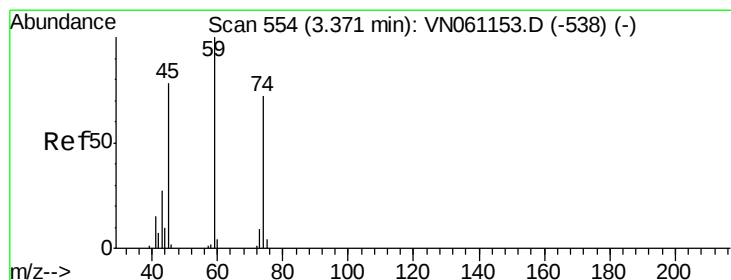
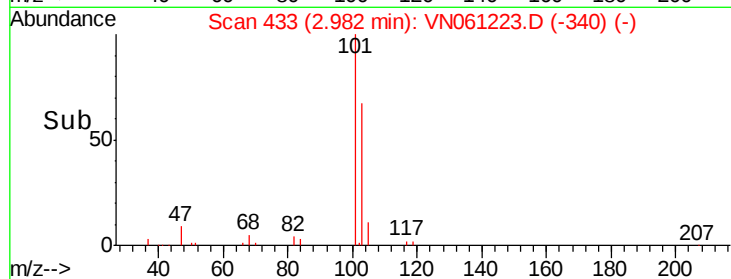
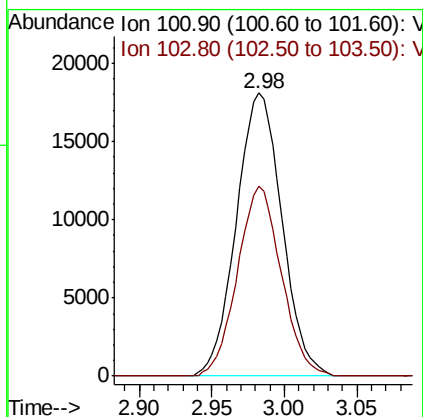
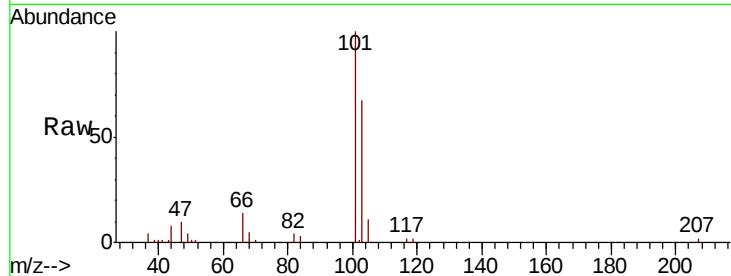


#7

Trichlorofluoromethane
 Concen: 19.179 ug/l
 RT: 2.98 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
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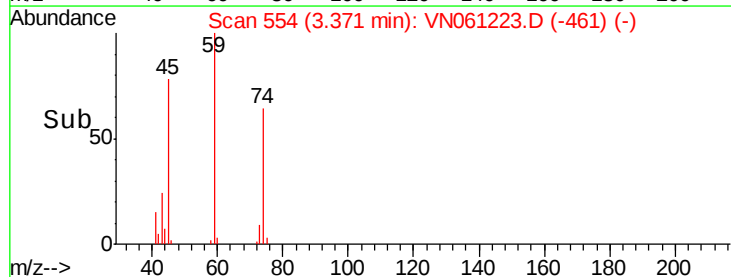
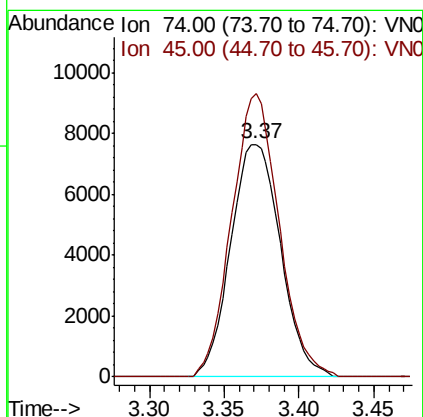
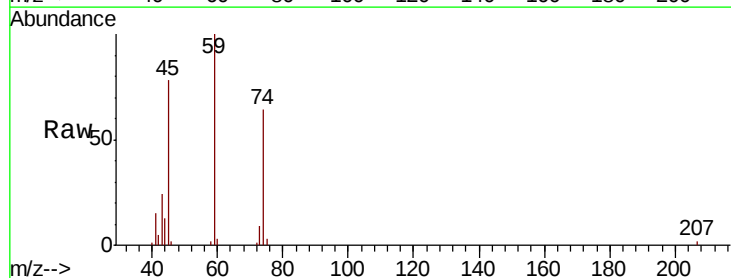
Tot Ion:101 Resp: 39568
 Ion Ratio Lower Upper
 101 100
 103 67.1 50.6 76.0



#8

Diethyl Ether
 Concen: 20.654 ug/l
 RT: 3.37 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion: 74 Resp: 17773
 Ion Ratio Lower Upper
 74 100
 45 115.4 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.050 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

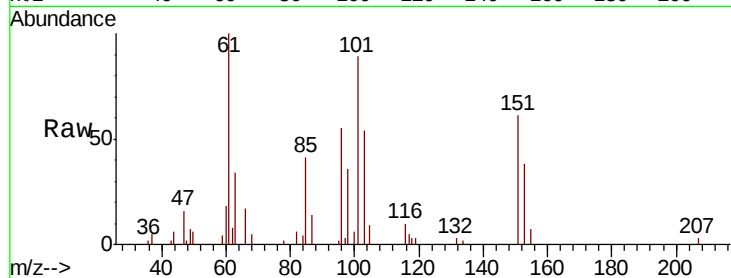
Tot Ion:101 Resp: 25319

Ion Ratio Lower Upper

101 100

85 45.2 37.2 55.8

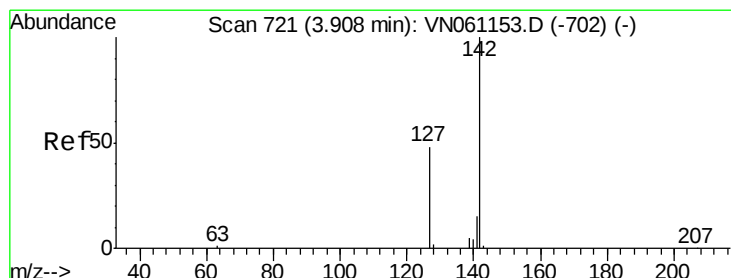
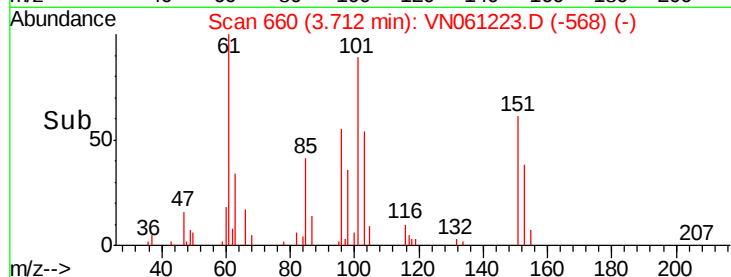
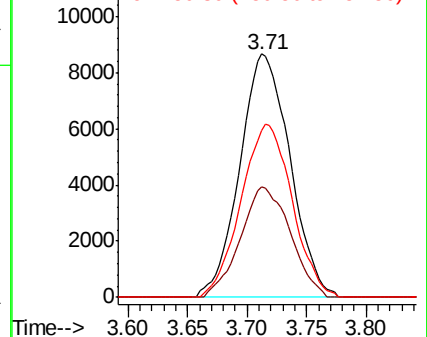
151 72.4 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.582 ug/l

RT: 3.91 min Scan# 721

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

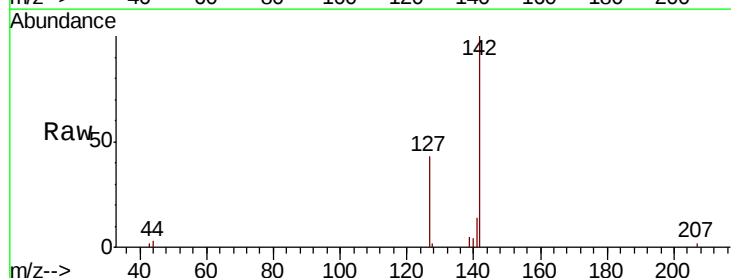
Tgt Ion:142 Resp: 30031

Ion Ratio Lower Upper

142 100

127 44.9 38.0 57.0

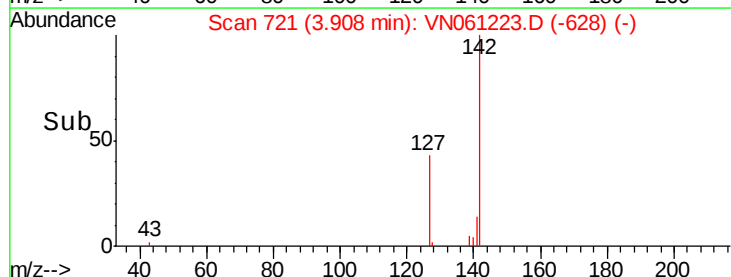
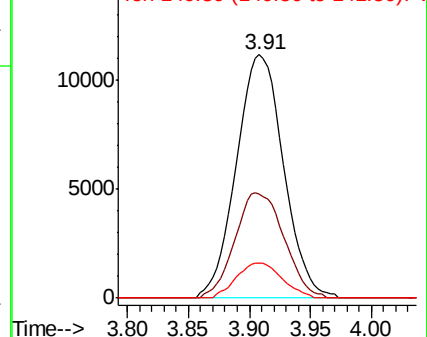
141 14.0 11.7 17.5

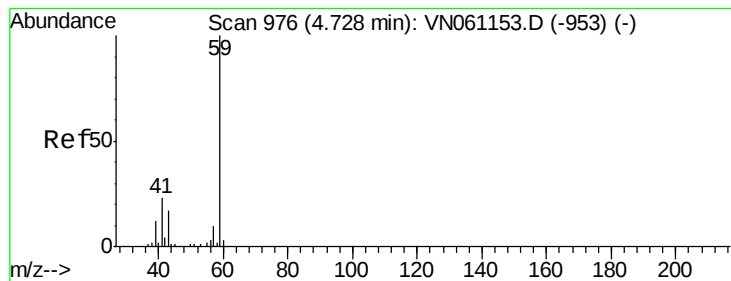


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



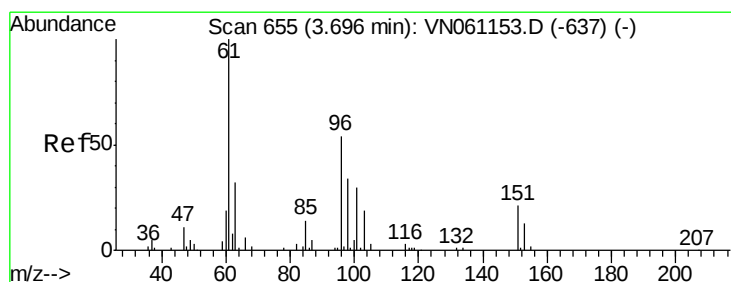
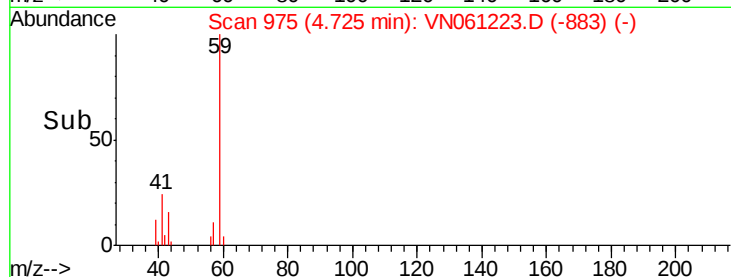
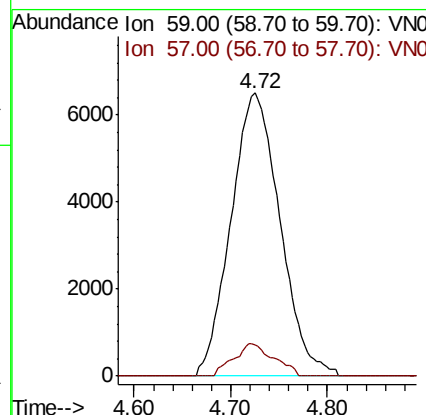
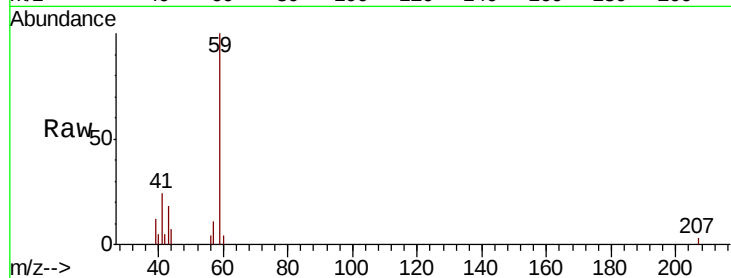


#11

Tert butyl alcohol
 Concen: 86.248 ug/l
 RT: 4.72 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

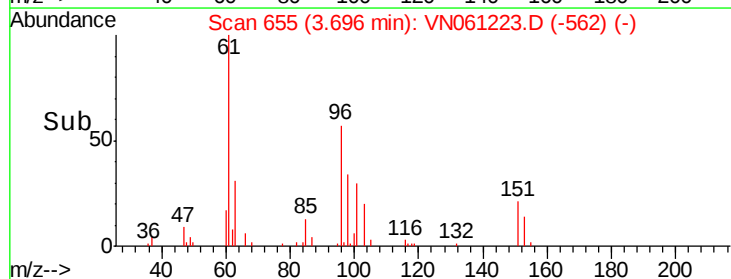
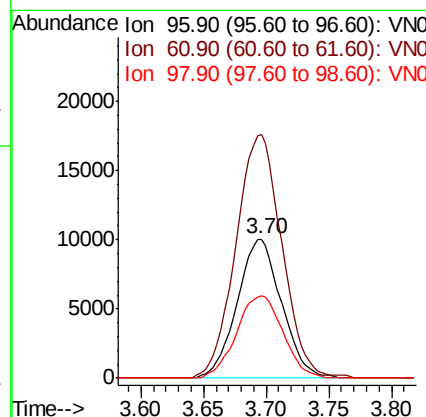
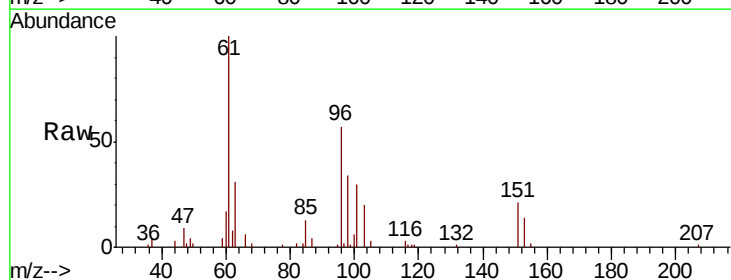
Tot Ion: 59 Resp: 22917
 Ion Ratio Lower Upper
 59 100
 57 9.4 8.3 12.5

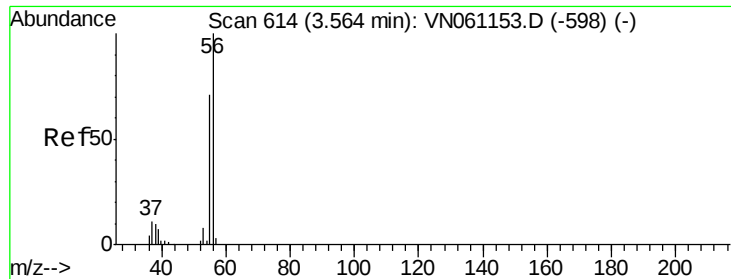


#12

1,1-Dichloroethene
 Concen: 18.650 ug/l
 RT: 3.70 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion: 96 Resp: 24667
 Ion Ratio Lower Upper
 96 100
 61 175.2 147.0 220.6
 98 59.6 49.8 74.6





#13

Acrolein

Concen: 75.083 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

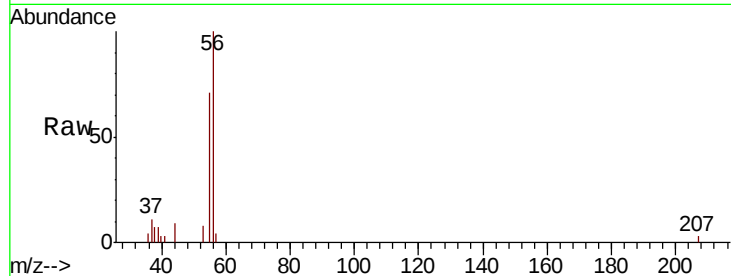
VN0501WBS01

Tot Ion: 56 Resp: 13295

Ion Ratio Lower Upper

56 100

55 69.9 58.5 87.7

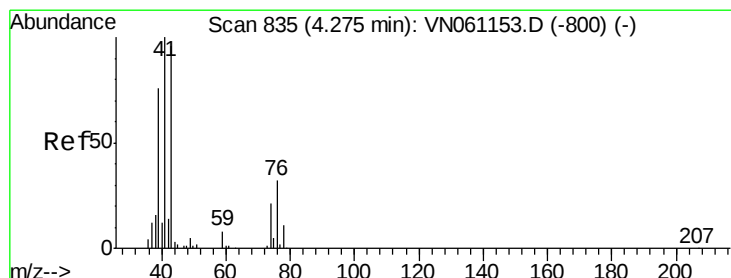
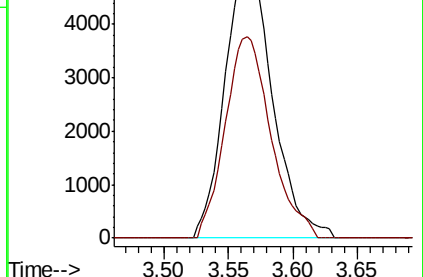
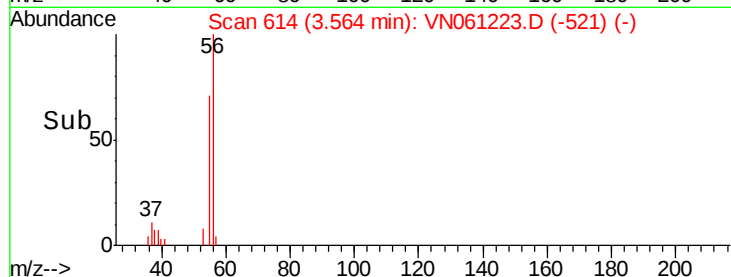


Abundance Ion 56.00 (55.70 to 56.70): VN061153.D (-598) (-)

Ion 55.00 (54.70 to 55.70): VN061153.D (-598) (-)

3.56

Time-->



#14

Allyl chloride

Concen: 22.399 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

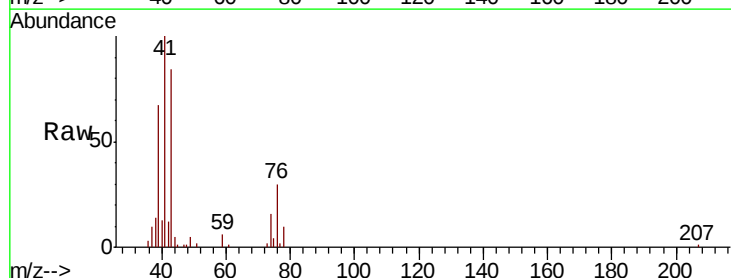
Tgt Ion: 41 Resp: 54930

Ion Ratio Lower Upper

41 100

39 62.7 57.1 85.7

76 27.7 24.3 36.5



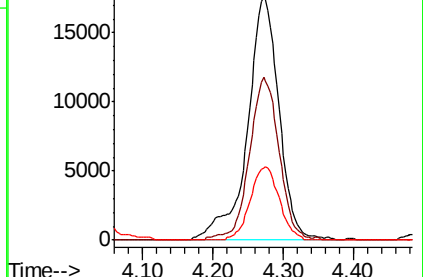
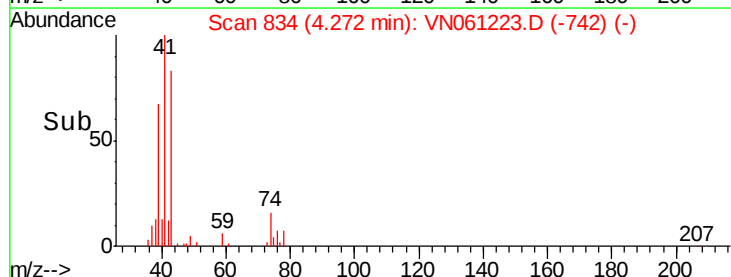
Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-800) (-)

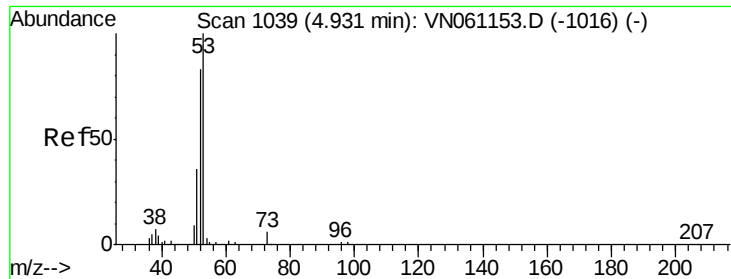
Ion 39.00 (38.70 to 39.70): VN061153.D (-800) (-)

Ion 75.90 (75.60 to 76.60): VN061153.D (-800) (-)

4.27

Time-->





#15

Acrylonitrile

Concen: 98.267 ug/l

RT: 4.92 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

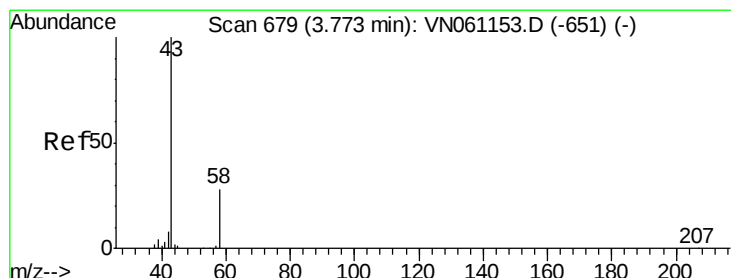
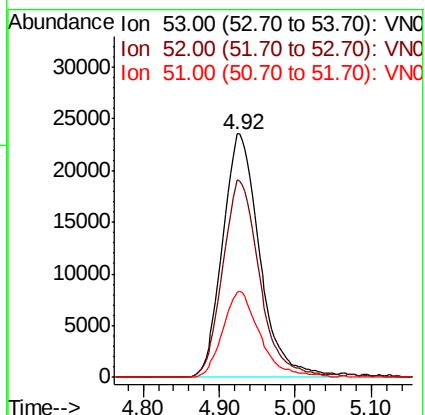
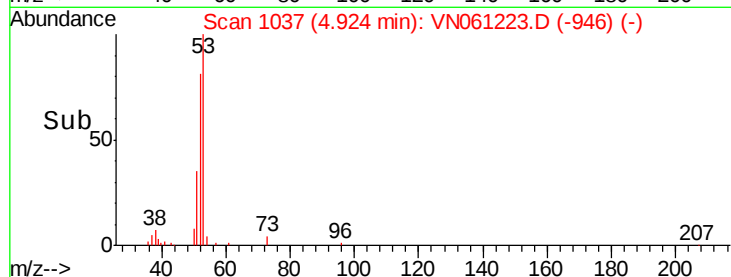
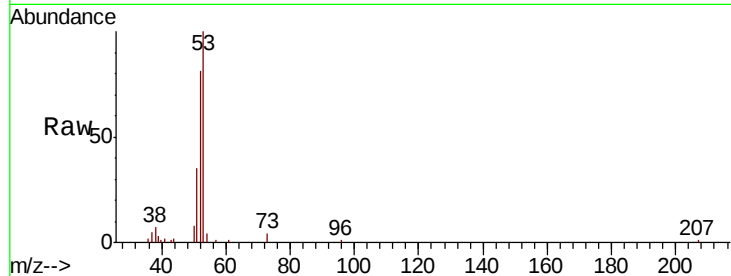
Tot Ion: 53 Resp: 80153

Ion Ratio Lower Upper

53 100

52 80.2 65.4 98.0

51 35.5 29.5 44.3



#16

Acetone

Concen: 87.384 ug/l

RT: 3.77 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN061223.D

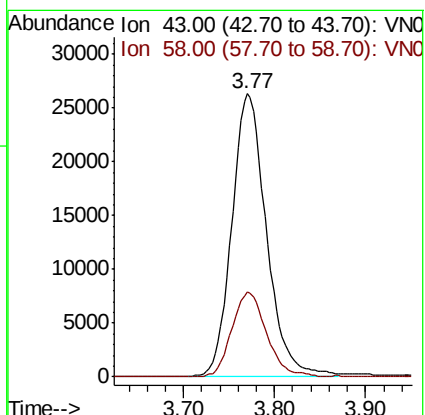
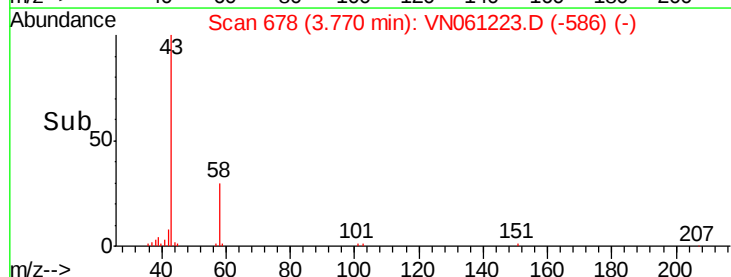
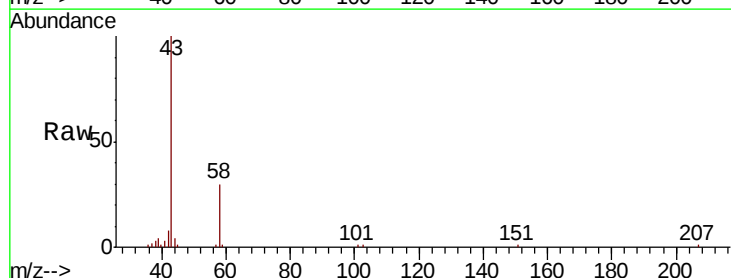
Acq: 1 May 2020 12:15

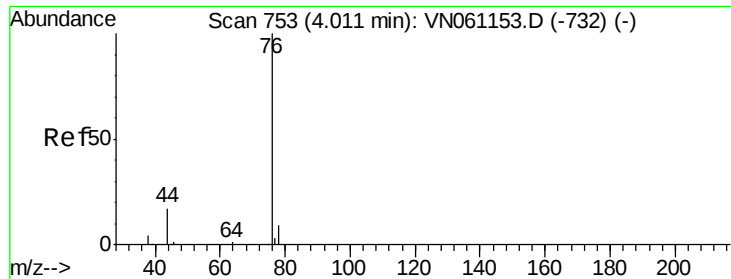
Tgt Ion: 43 Resp: 69792

Ion Ratio Lower Upper

43 100

58 29.8 22.2 33.2

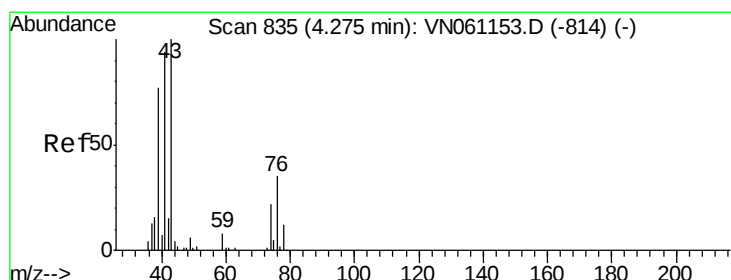
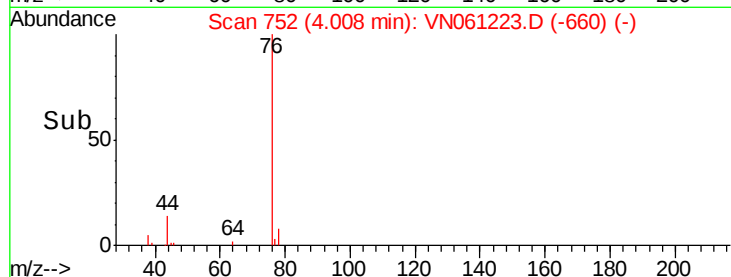
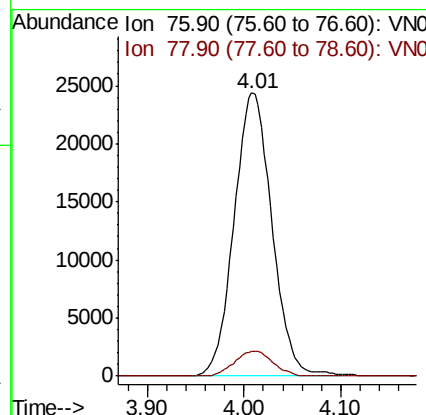
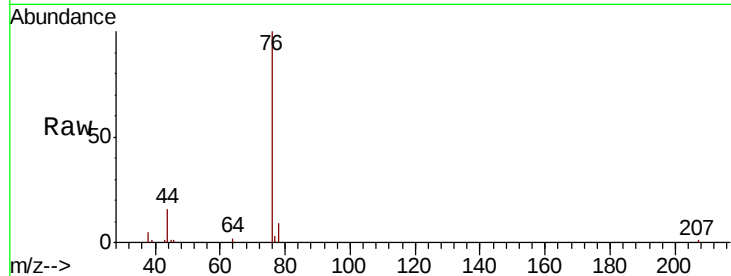




#17
Carbon Disulfide
Concen: 18.147 ug/l
RT: 4.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

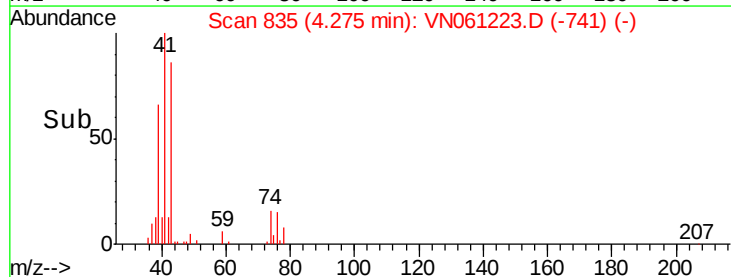
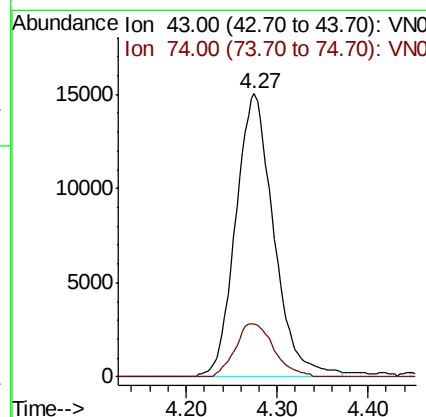
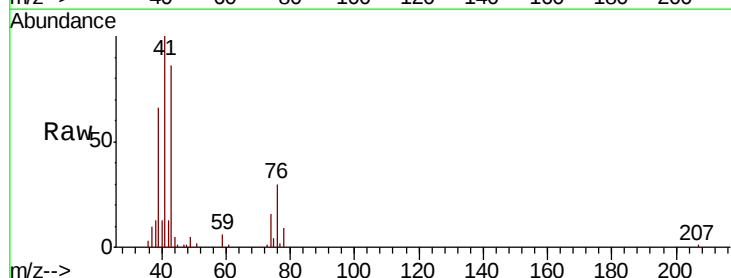
Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

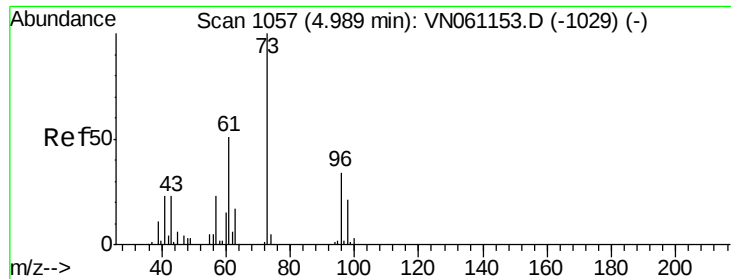
Tot Ion: 76 Resp: 66301
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#18
Methyl Acetate
Concen: 17.930 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 43 Resp: 43790
Ion Ratio Lower Upper
43 100
74 19.0 17.0 25.4

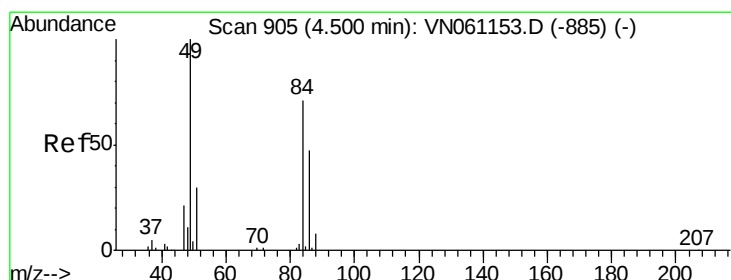
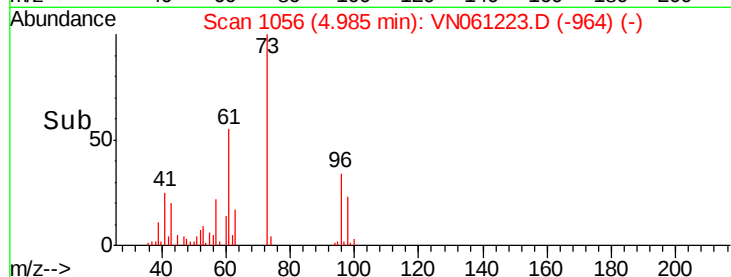
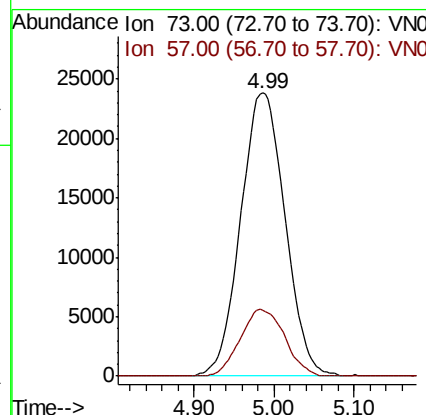
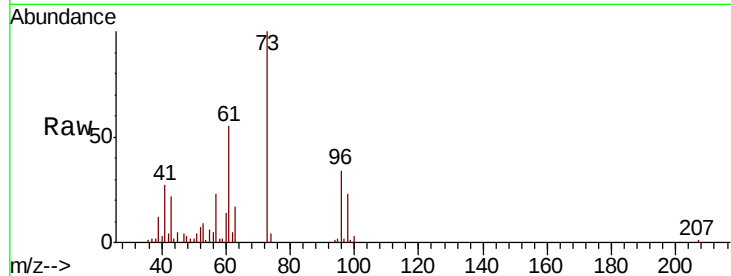




#19
Methvl tert-butvl Ether
Concen: 17.789 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

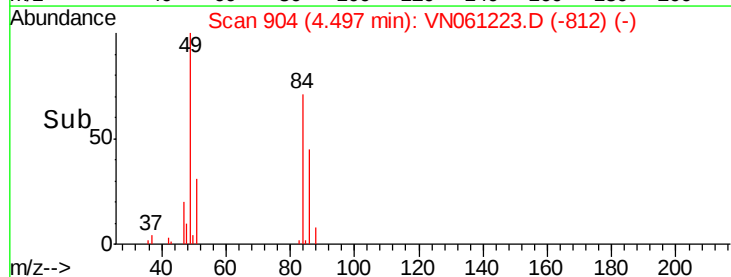
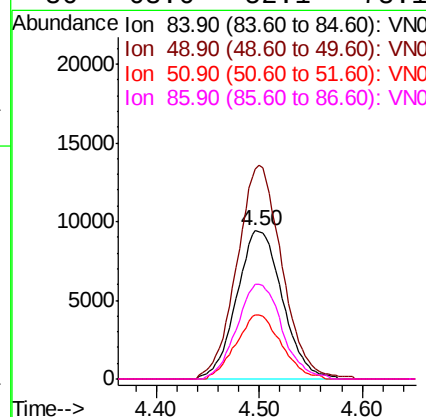
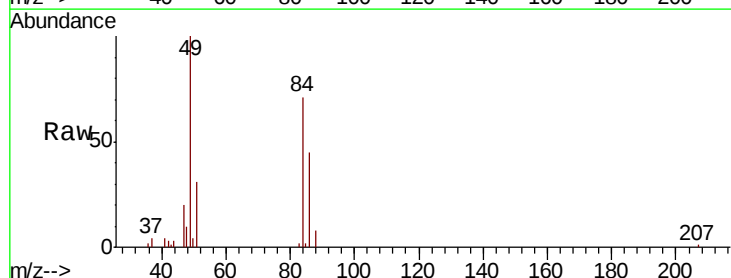
Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

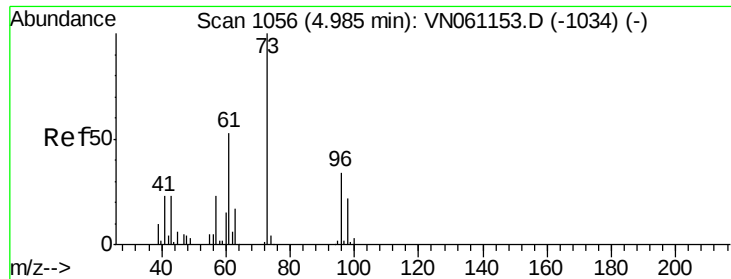
Tot Ion: 73 Resp: 89902
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5



#20
Methylene Chloride
Concen: 18.810 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 84 Resp: 29093
Ion Ratio Lower Upper
84 100
49 141.4 112.0 168.0
51 43.4 33.6 50.4
86 63.6 52.1 78.1

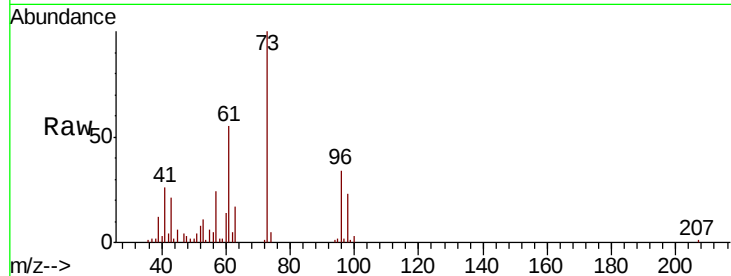




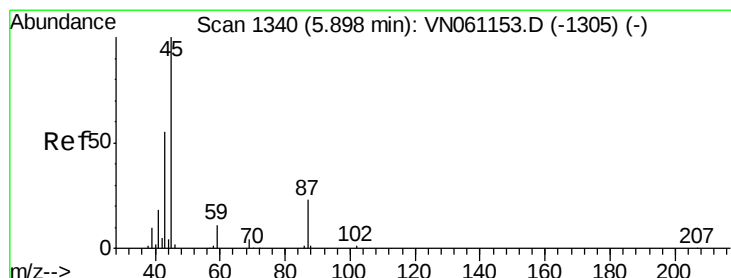
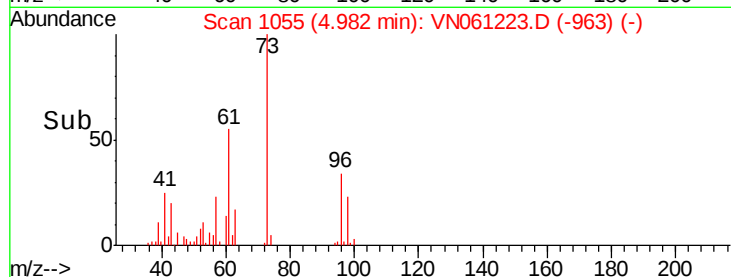
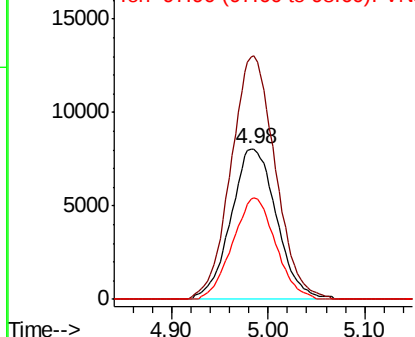
#21
trans-1,2-Dichloroethene
Concen: 18.324 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion: 96 Resp: 26390
Ion Ratio Lower Upper
96 100
61 161.7 123.0 184.4
98 66.6 50.1 75.1

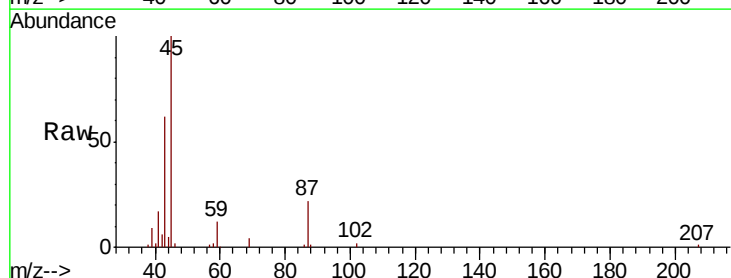


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

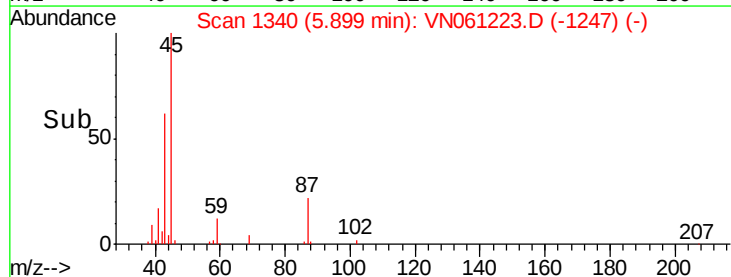
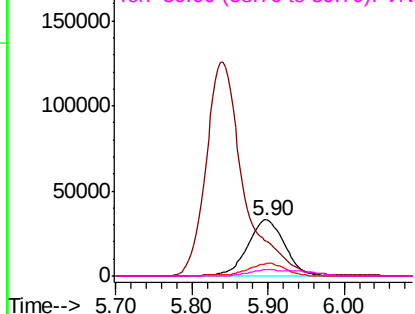


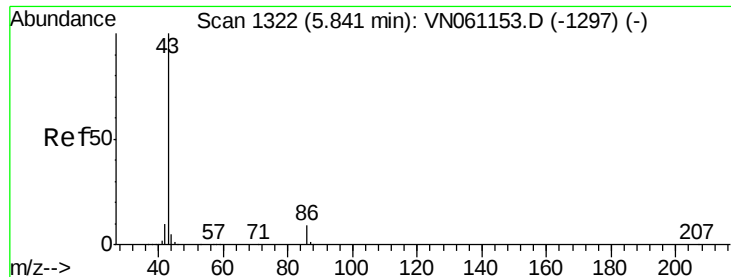
#22
Diisopropyl ether
Concen: 19.720 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 45 Resp: 112144
Ion Ratio Lower Upper
45 100
43 59.8 47.9 71.9
87 21.9 19.2 28.8
59 11.5 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 94.172 ug/l

RT: 5.84 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleID :

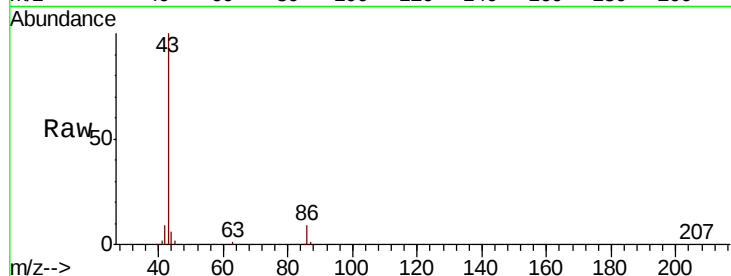
VN0501WBS01

Tot Ion: 43 Resp: 431212

Ion Ratio Lower Upper

43 100

86 8.7 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1297) (-)

Ion 86.00 (85.70 to 86.70): VN061153.D (-1297) (-)

5.84

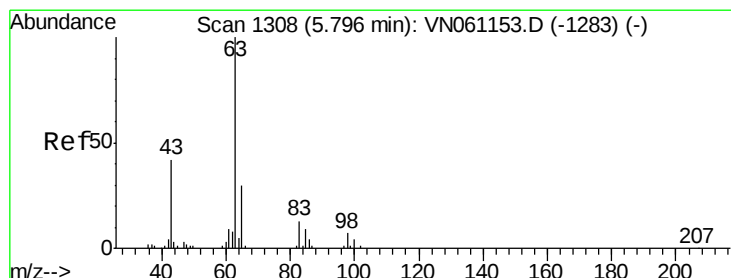
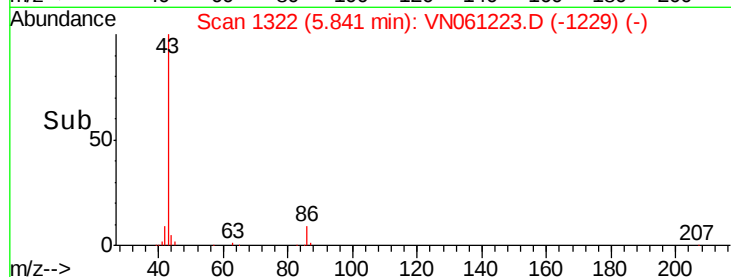
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.742 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

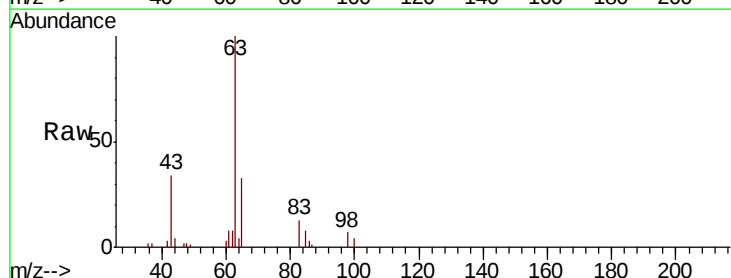
Tgt Ion: 63 Resp: 55687

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN061153.D (-1283) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1283) (-)

Ion 99.90 (99.60 to 100.60): VN061153.D (-1283) (-)

20000

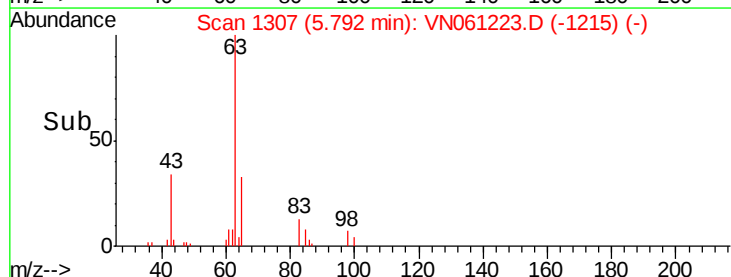
15000

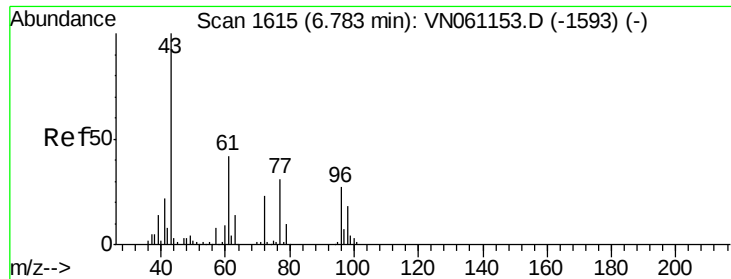
10000

5000

0

Time-->

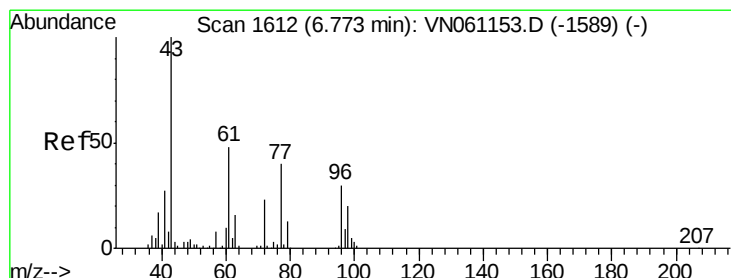
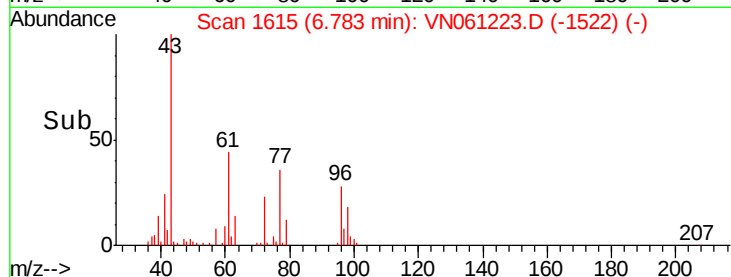
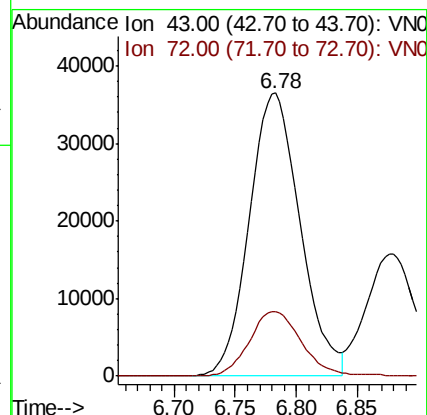
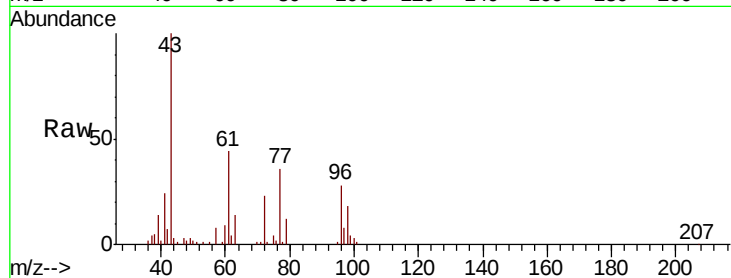




#25
2-Butanone
Concen: 90.101 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

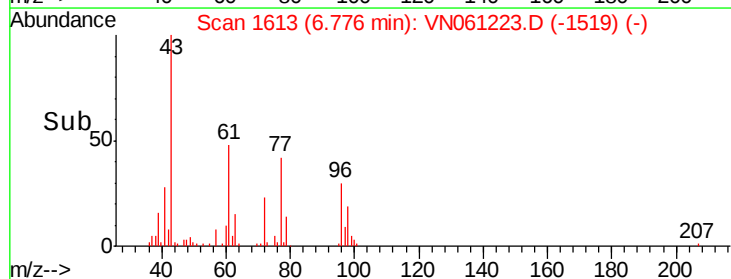
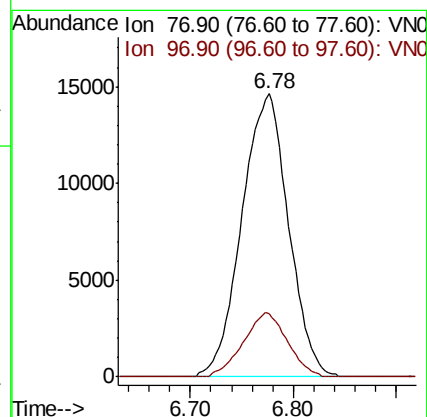
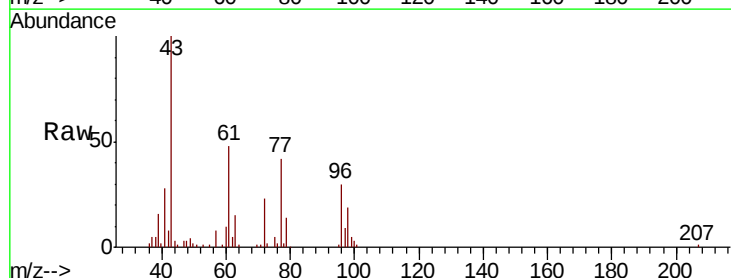
Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

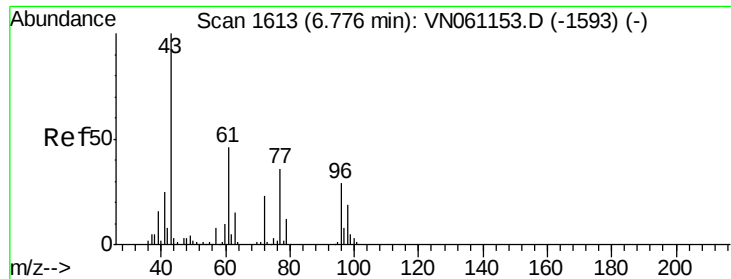
Tot Ion: 43 Resp: 105754
Ion Ratio Lower Upper
43 100
72 22.9 18.2 27.4



#26
2,2-Dichloropropane
Concen: 18.363 ug/l
RT: 6.78 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 77 Resp: 45956
Ion Ratio Lower Upper
77 100
97 21.4 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 17.981 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

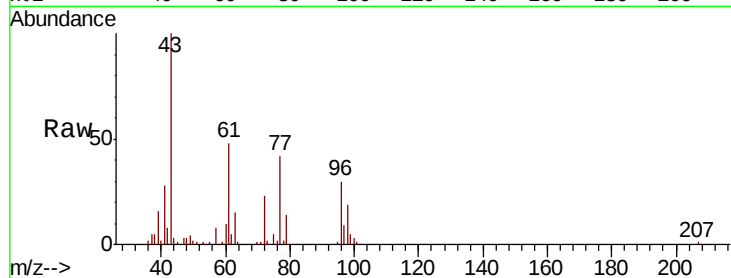
Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion: 96 Resp: 30390

Ion	Ratio	Lower	Upper
96	100		
61	164.8	0.0	322.0
98	64.3	0.0	129.6

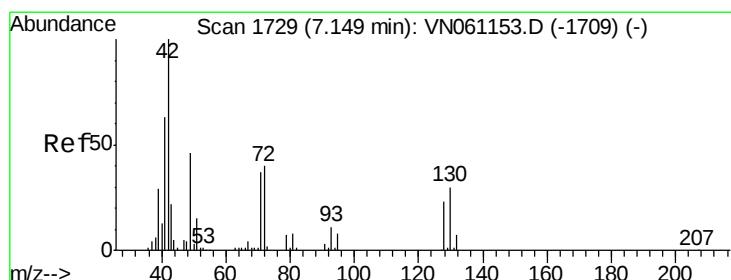
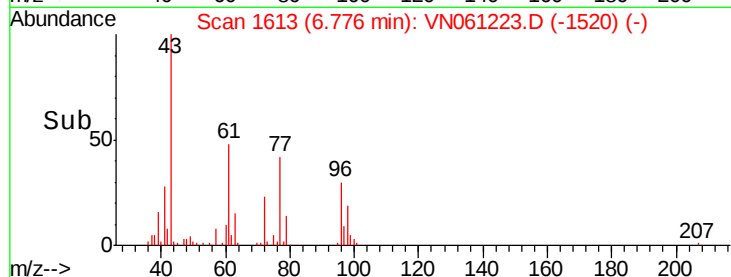
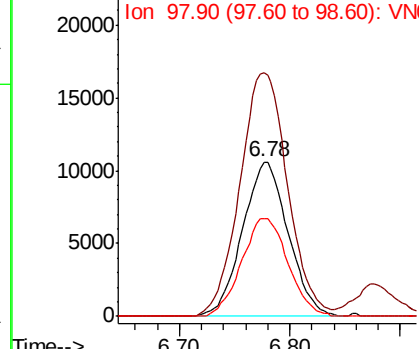


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.335 ug/l

RT: 7.15 min Scan# 1729

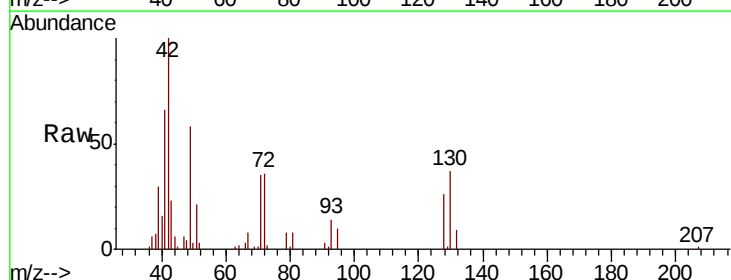
Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Tgt Ion: 49 Resp: 30047

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.0
130	59.8	51.4	77.2

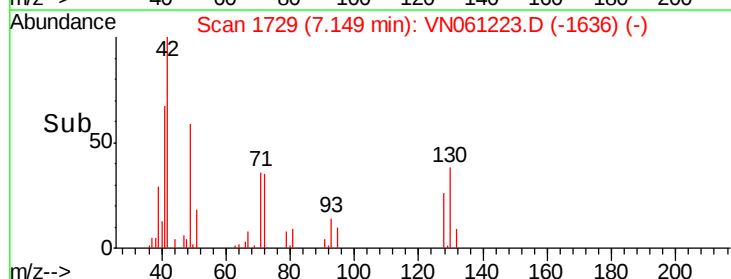
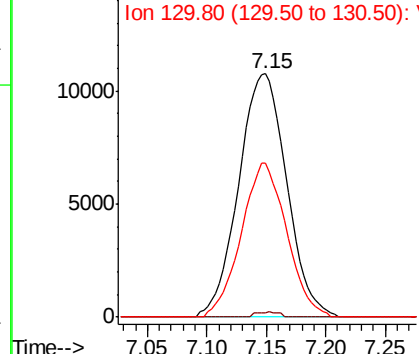


Abundance

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

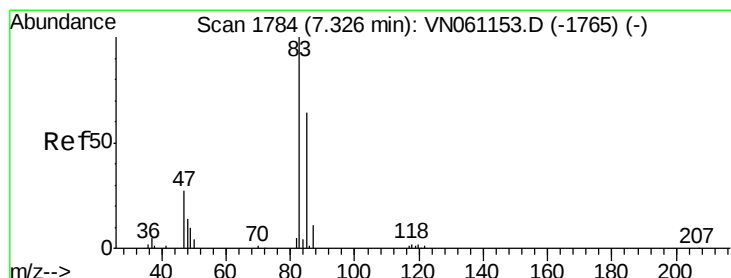
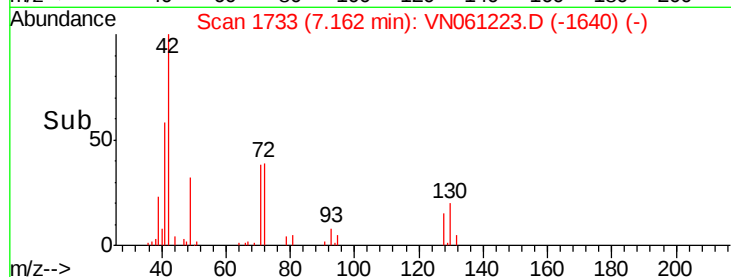
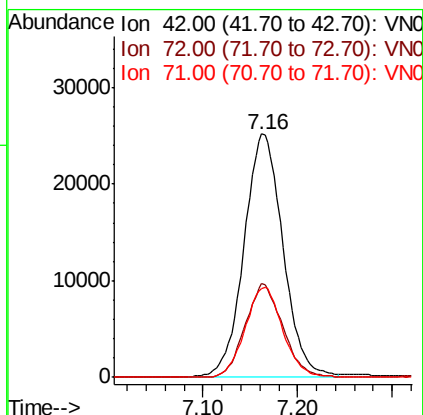
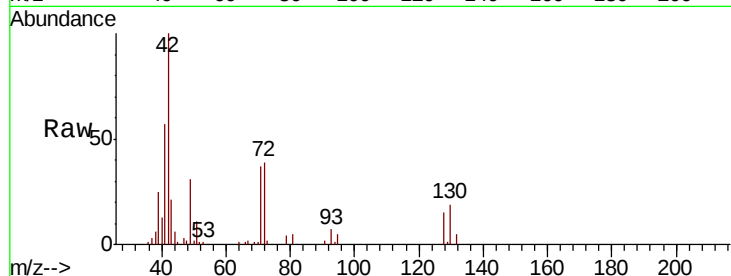




#29
Tetrahydrofuran
Concen: 91.408 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

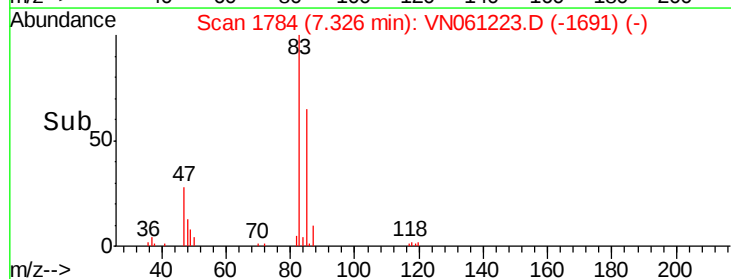
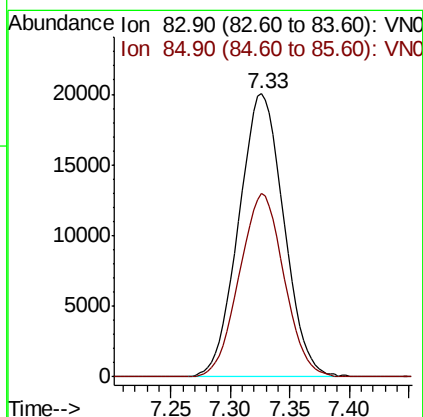
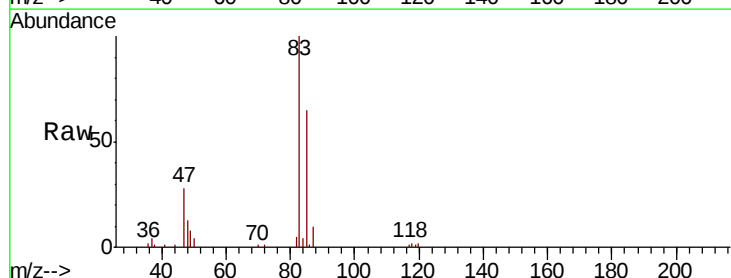
Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

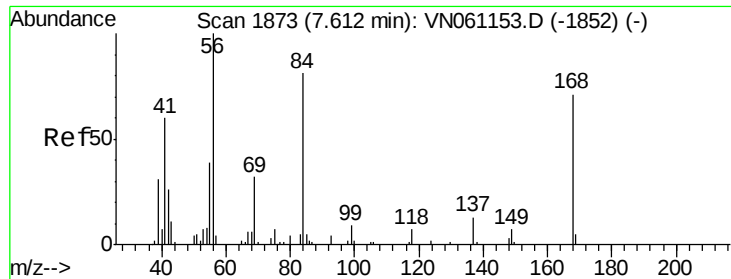
Tot Ion: 42 Resp: 72272
Ion Ratio Lower Upper
42 100
72 37.0 31.4 47.0
71 35.6 29.5 44.3



#30
Chloroform
Concen: 17.481 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 83 Resp: 52638
Ion Ratio Lower Upper
83 100
85 64.6 51.1 76.7

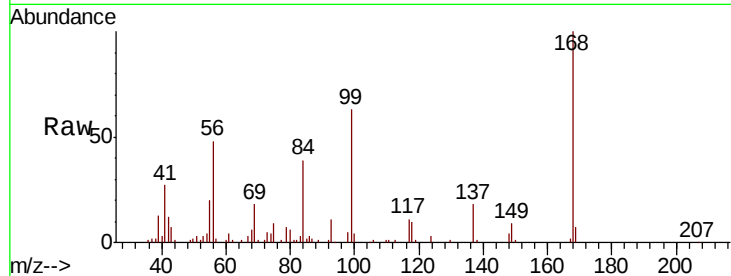




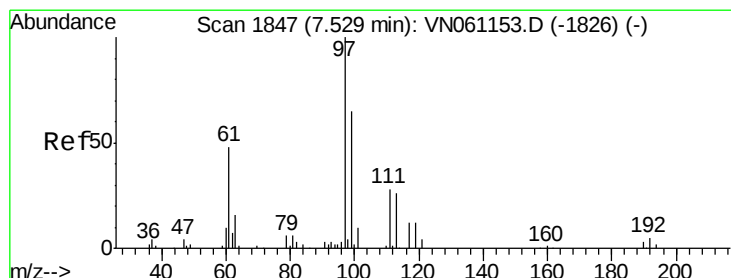
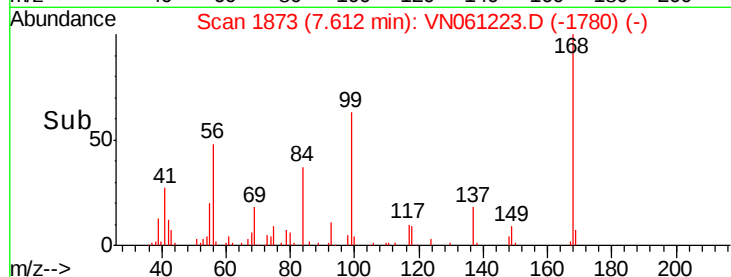
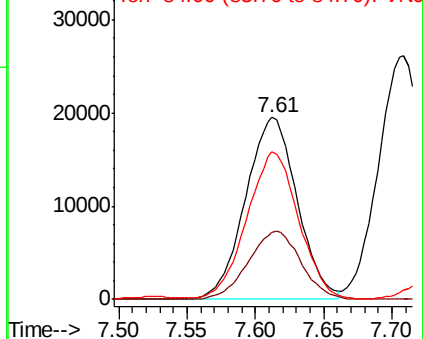
#31
Cyclohexane
Concen: 17.793 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0501WBS01

Tot Ion: 56 Resp: 51344
Ion Ratio Lower Upper
56 100
69 36.9 25.7 38.5
84 80.1 64.6 97.0

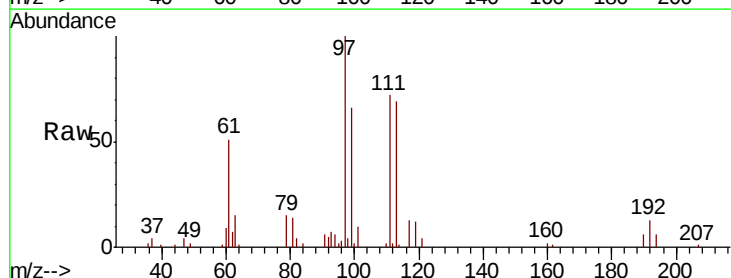


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

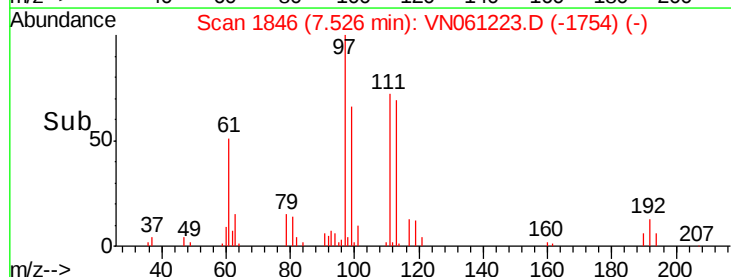
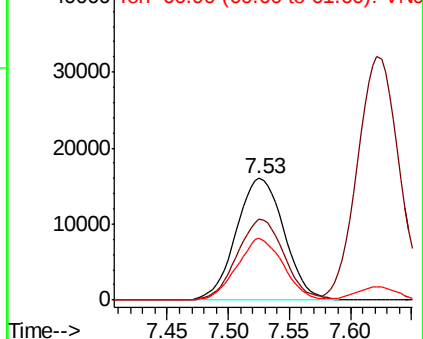


#32
1,1,1-Trichloroethane
Concen: 16.619 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 97 Resp: 43576
Ion Ratio Lower Upper
97 100
99 64.7 51.3 76.9
61 49.2 38.6 57.8



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

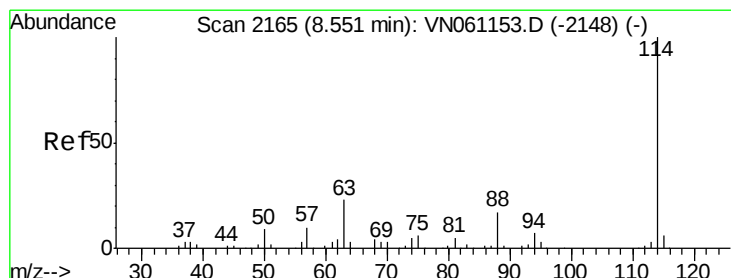
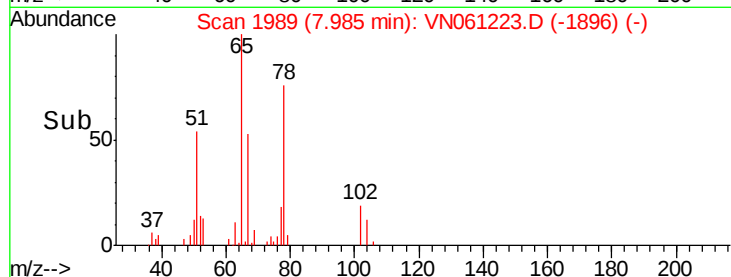
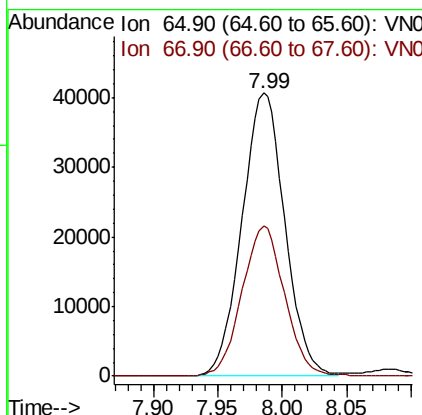
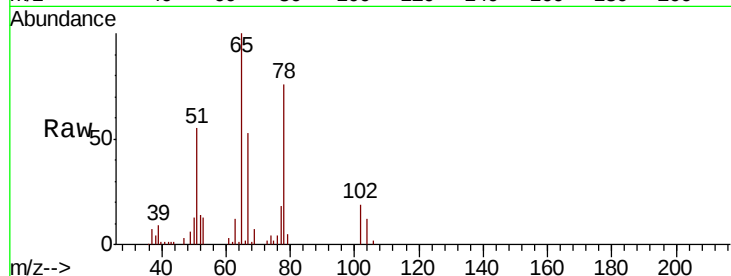




#33
 1,2-Dichloroethane-d4
 Concen: 47.512 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

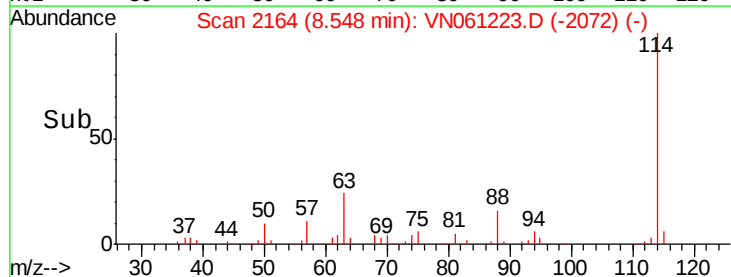
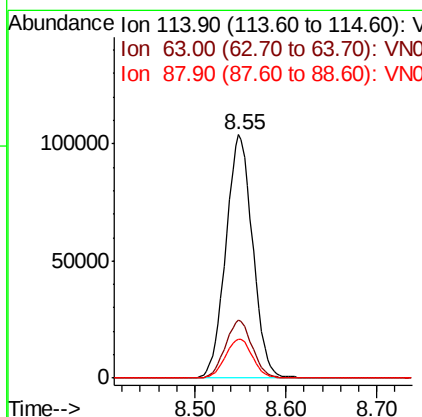
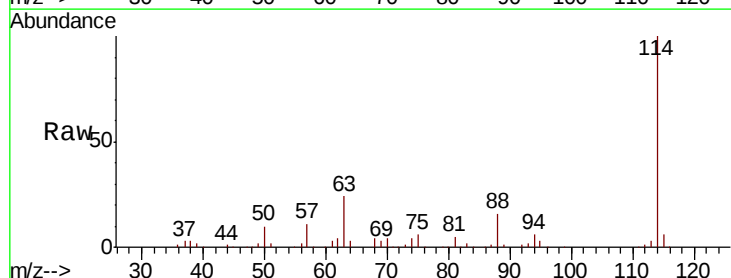
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion: 65 Resp: 94242
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion: 114 Resp: 212809
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 46.6
 88 16.2 0.0 33.4

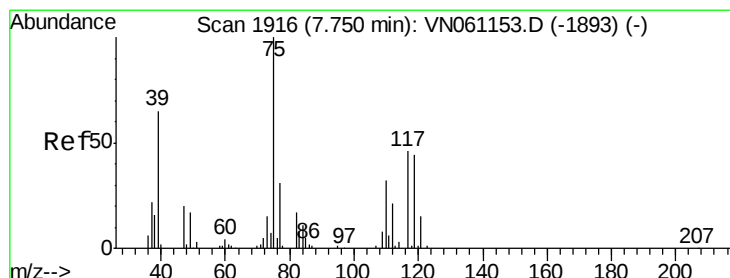
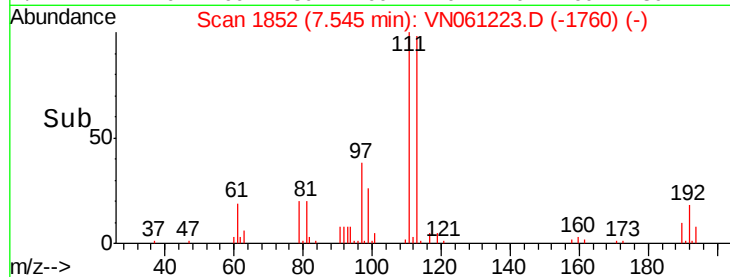
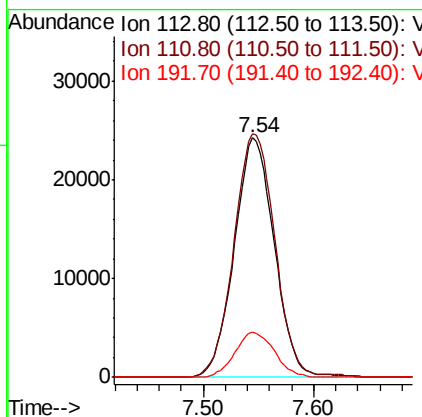
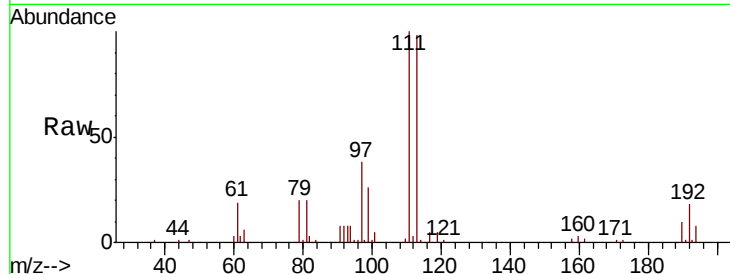




#35
 Dibromofluoromethane
 Concen: 48.417 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

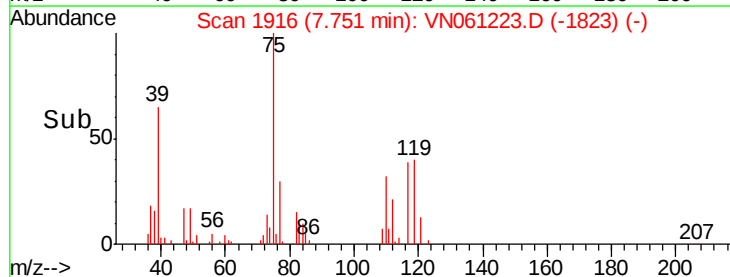
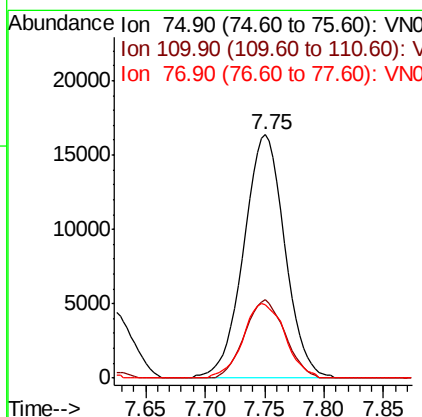
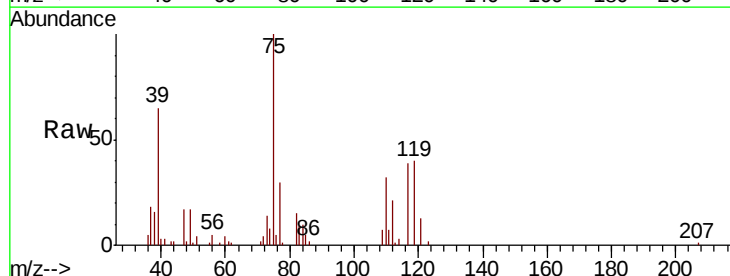
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

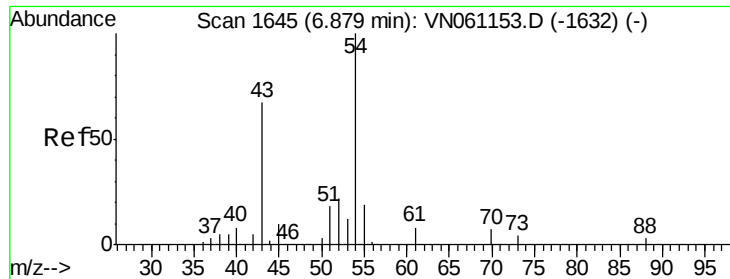
Tot Ion:113 Resp: 60927
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.9 124.3
 192 18.7 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 18.402 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion: 75 Resp: 39202
 Ion Ratio Lower Upper
 75 100
 110 31.4 16.0 48.0
 77 31.2 24.6 37.0

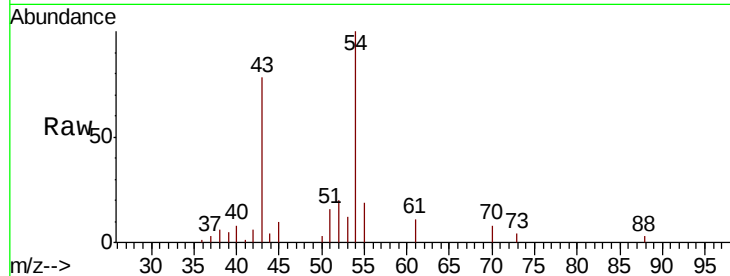




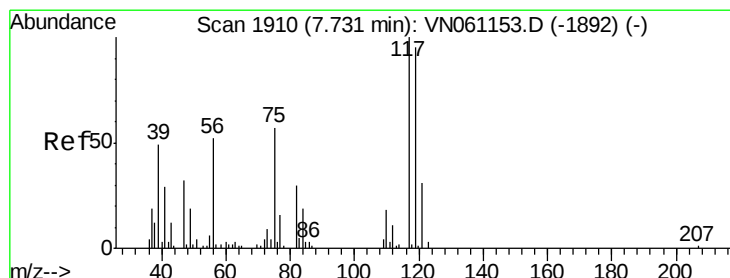
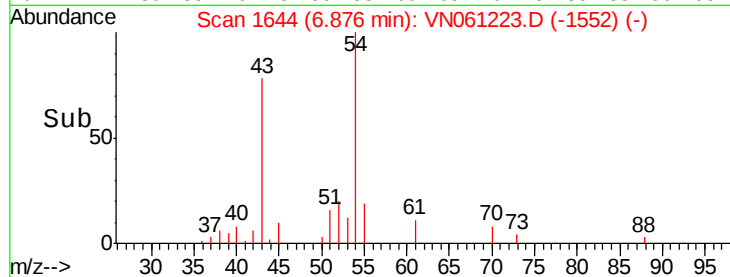
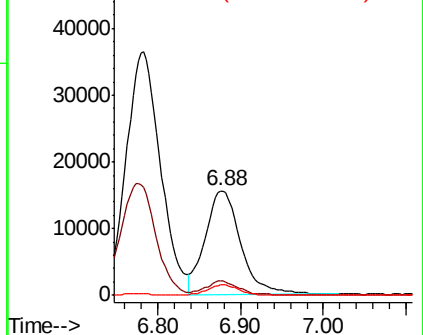
#37
Ethyl Acetate
Concen: 18.742 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion: 43 Resp: 46808
Ion Ratio Lower Upper
43 100
61 12.8 10.2 15.2
70 8.8 7.2 10.8

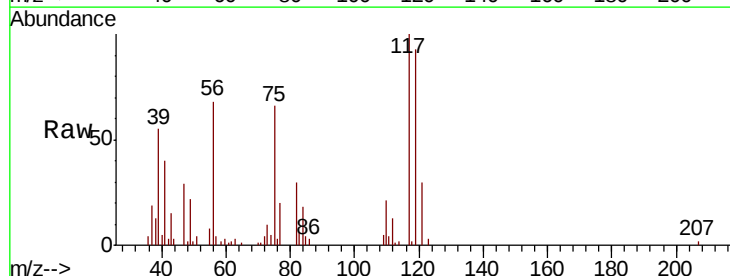


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

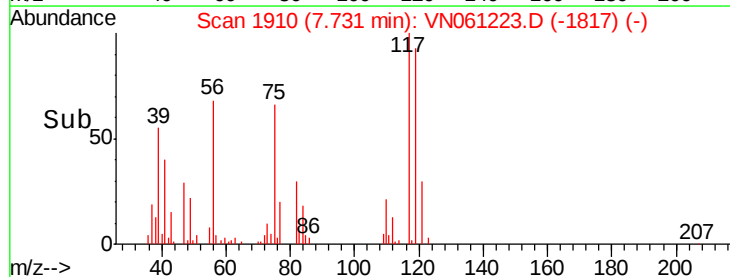
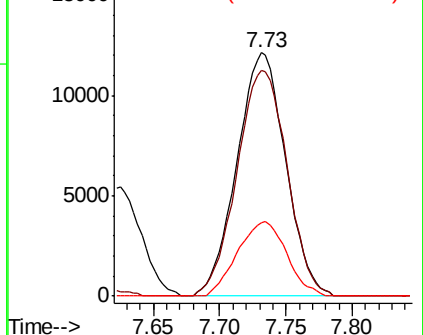


#38
Carbon Tetrachloride
Concen: 17.515 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 117 Resp: 31018
Ion Ratio Lower Upper
117 100
119 92.8 75.8 113.6
121 30.2 24.7 37.1



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

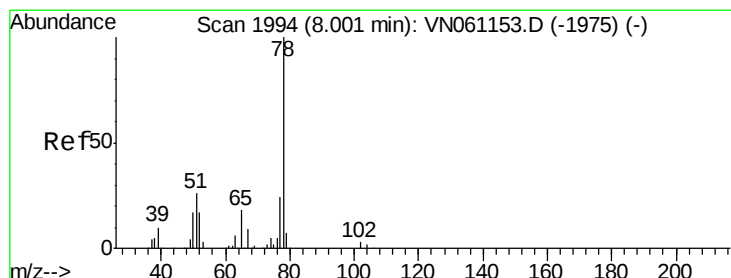
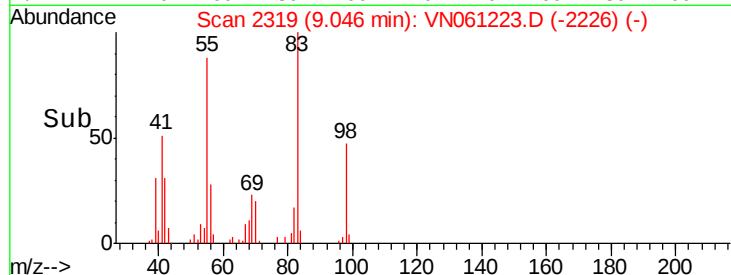
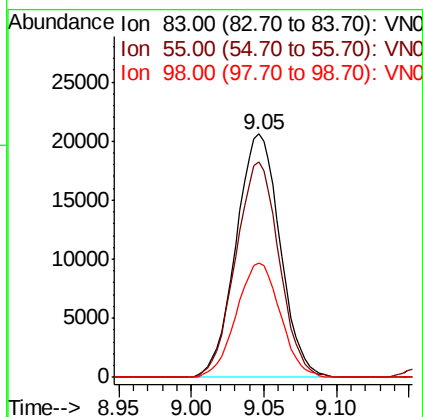
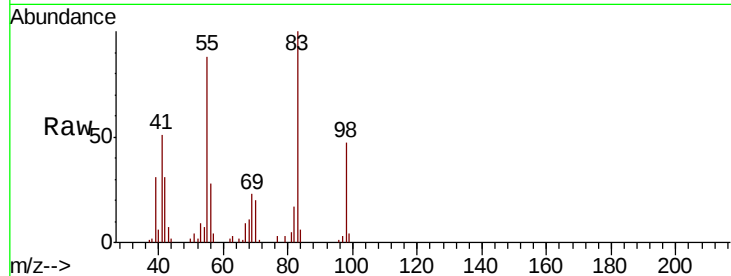




#39
Methvlcvclohexane
Concen: 18.171 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

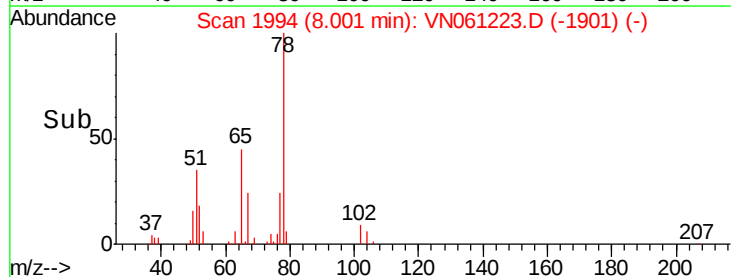
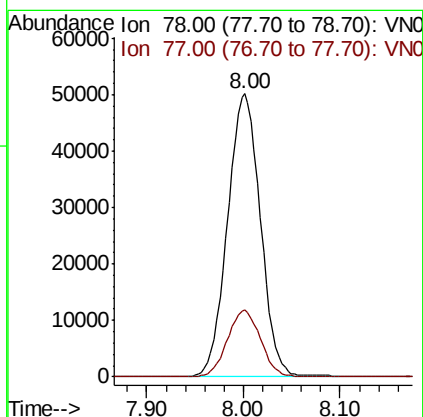
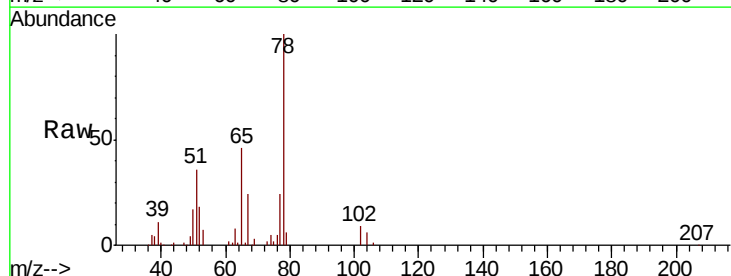
Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

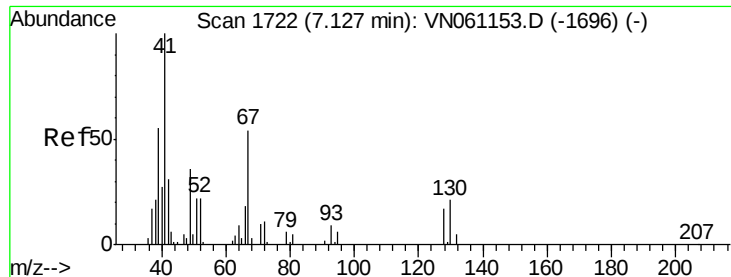
Tot Ion: 83 Resp: 43411
Ion Ratio Lower Upper
83 100
55 88.4 67.3 100.9
98 47.1 37.7 56.5



#40
Benzene
Concen: 18.647 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 78 Resp: 118345
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

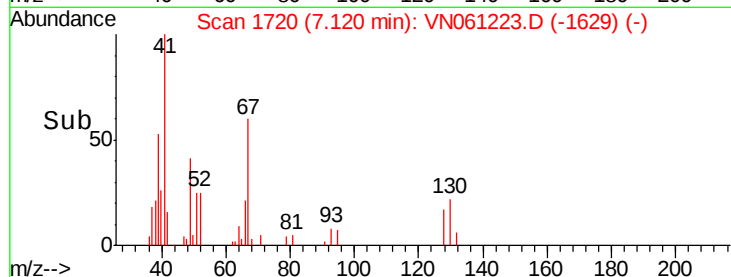
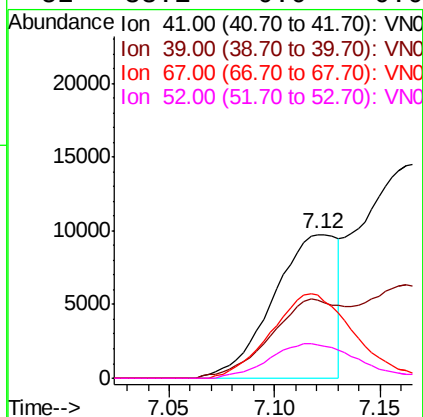
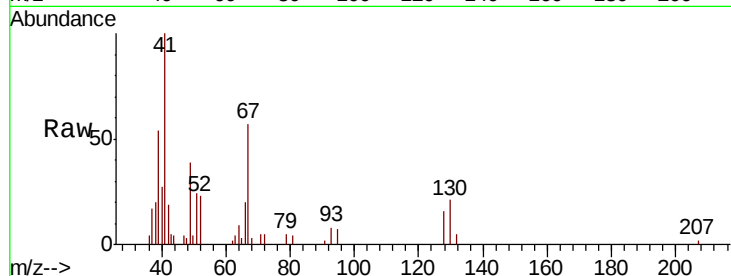




#41
Methacrylonitrile
Concen: 19.883 ug/l
RT: 7.12 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

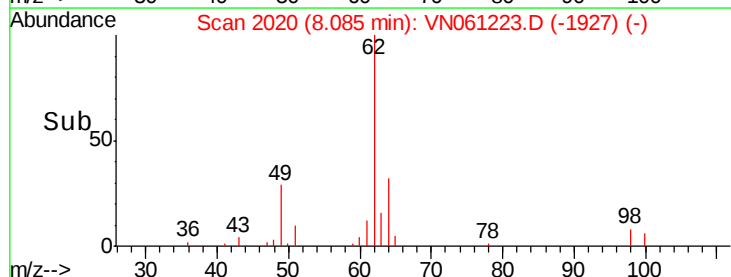
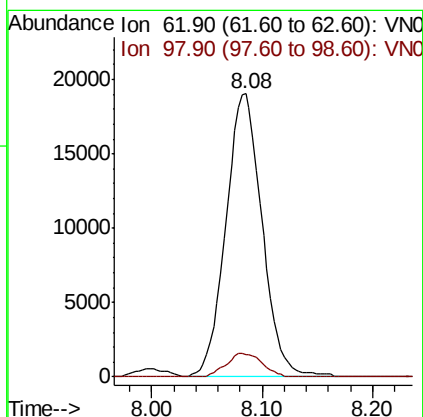
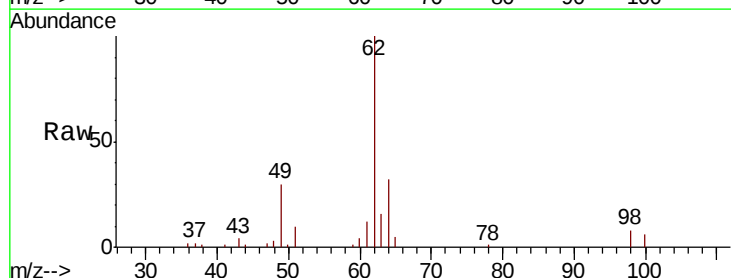
Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion:	41	Resp:	20617
Ion	Ratio	Lower	Upper
41	100		
39	64.8	0.0	0.0#
67	75.2	0.0	0.0#
52	33.1	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 18.056 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion:	62	Resp:	43413
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 18.252 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

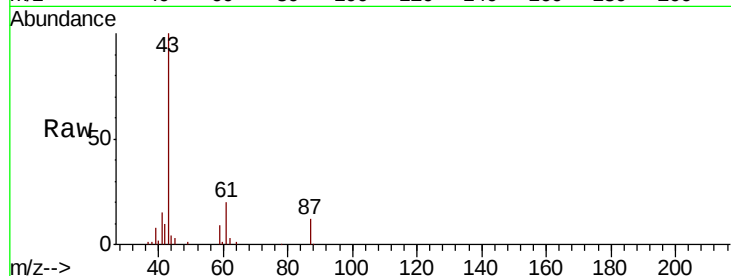
Tot Ion: 43 Resp: 75652

Ion Ratio Lower Upper

43 100

61 24.9 19.5 29.3

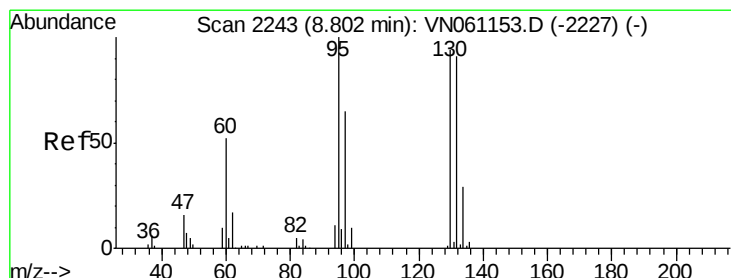
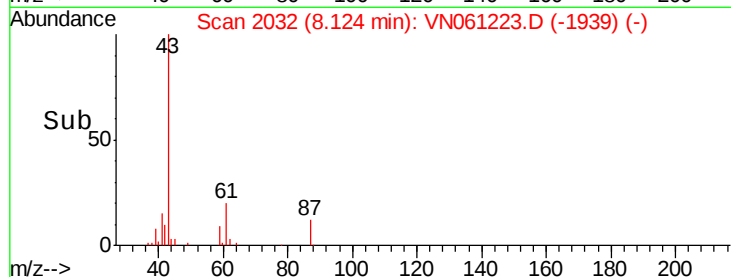
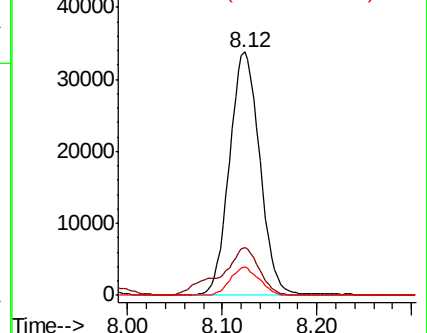
87 10.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2014) (-)

Ion 61.00 (60.70 to 61.70): VN061153.D (-2014) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-2014) (-)



#44

Trichloroethene

Concen: 17.074 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061223.D

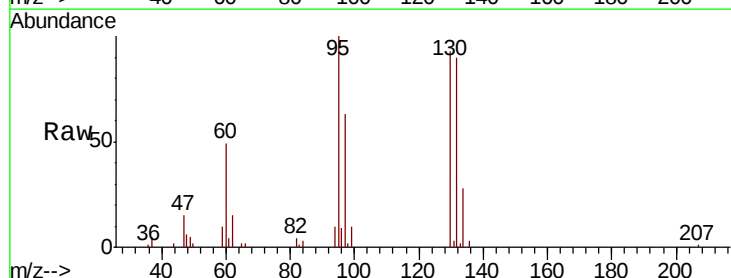
Acq: 1 May 2020 12:15

Tgt Ion:130 Resp: 29294

Ion Ratio Lower Upper

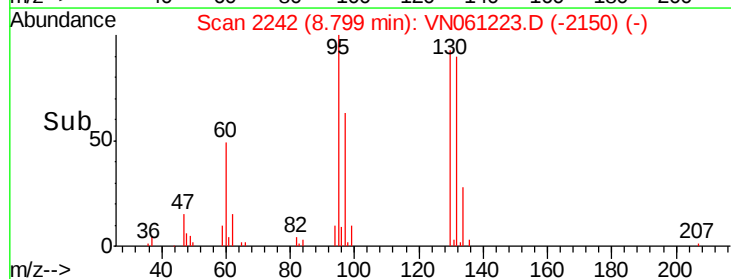
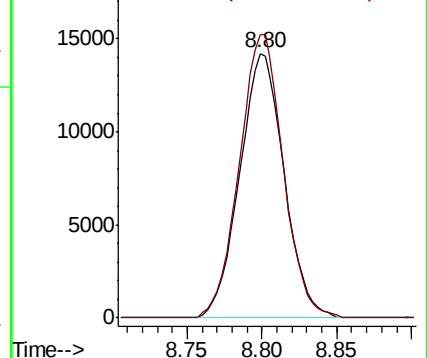
130 100

95 107.1 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061153.D (-2227) (-)

Ion 94.90 (94.60 to 95.60): VN061153.D (-2227) (-)

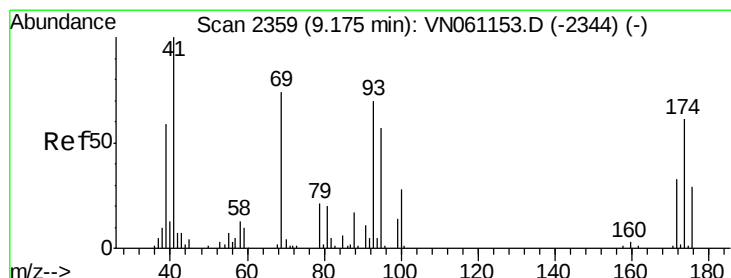
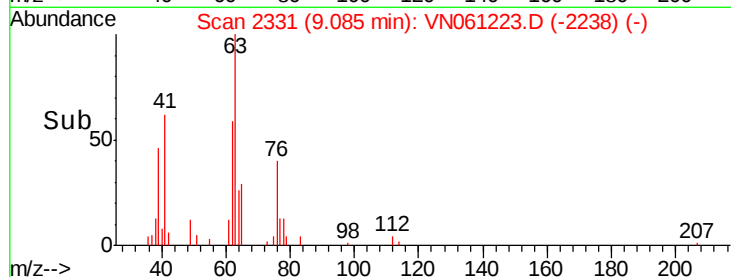
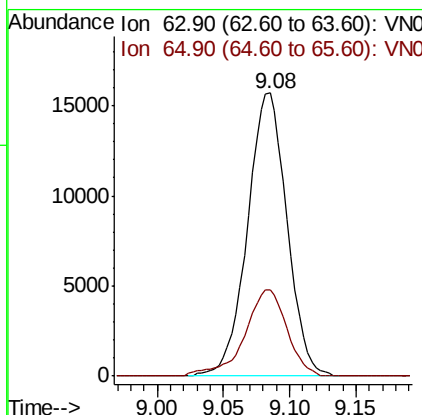
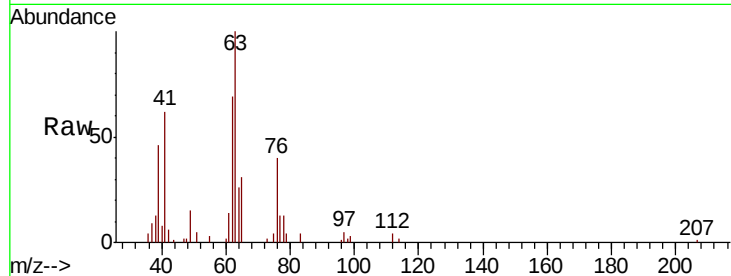




#45
 1,2-Dichloropropane
 Concen: 19.217 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

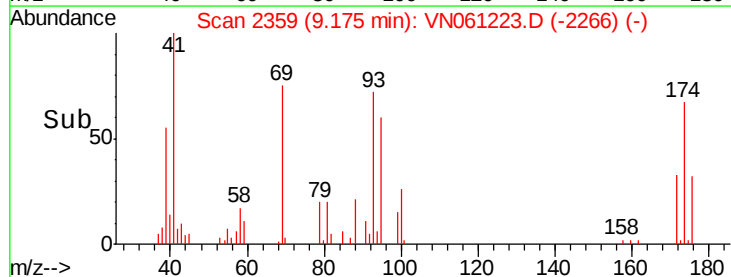
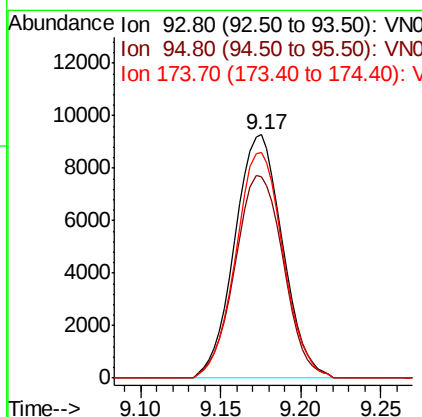
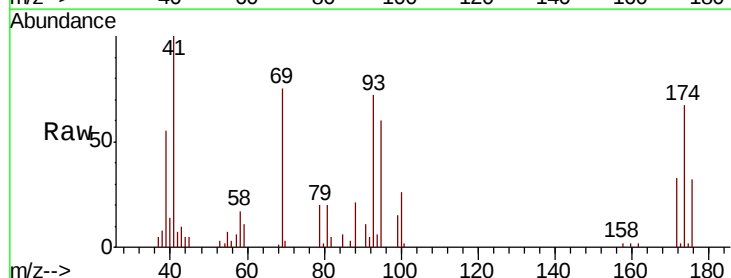
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion: 63 Resp: 32585
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1



#46
 Dibromomethane
 Concen: 18.062 ug/l
 RT: 9.17 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion: 93 Resp: 18963
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.6 99.8
 174 91.8 70.2 105.2





#47

Bromodichloromethane

Concen: 17.927 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

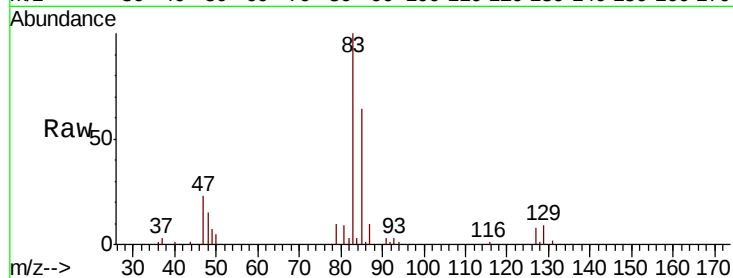
Tot Ion: 83 Resp: 40396

Ion Ratio Lower Upper

83 100

85 63.6 50.4 75.6

127 7.5 6.2 9.2

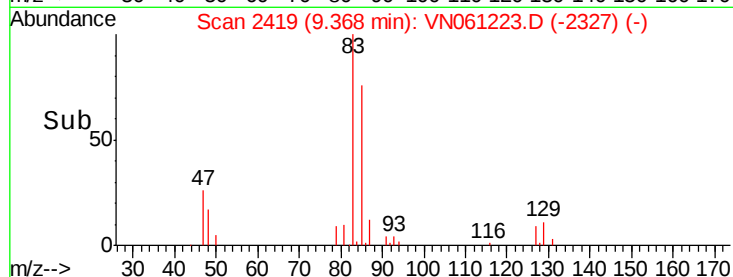


Abundance Ion 82.90 (82.60 to 83.60): VN061153.D (-2404) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-2404) (-)

Ion 126.80 (126.50 to 127.50): VN061153.D (-2404) (-)

Time-->

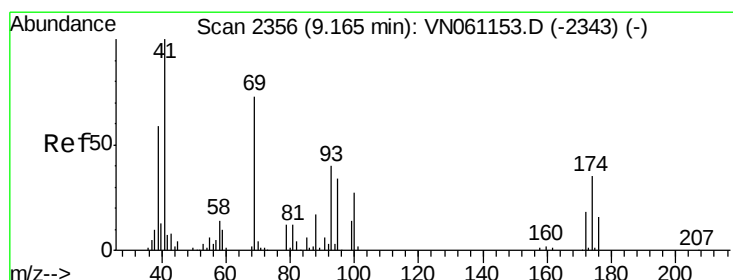


Abundance Ion 82.90 (82.60 to 83.60): VN061223.D (-2327) (-)

Ion 84.90 (84.60 to 85.60): VN061223.D (-2327) (-)

Ion 126.80 (126.50 to 127.50): VN061223.D (-2327) (-)

Time-->



#48

Methyl methacrylate

Concen: 17.657 ug/l

RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

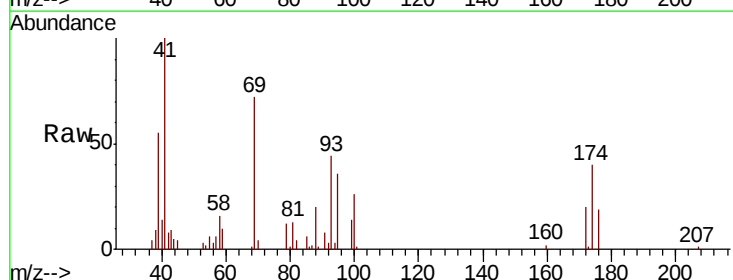
Tgt Ion: 41 Resp: 33025

Ion Ratio Lower Upper

41 100

69 74.6 60.3 90.5

39 58.1 47.4 71.0

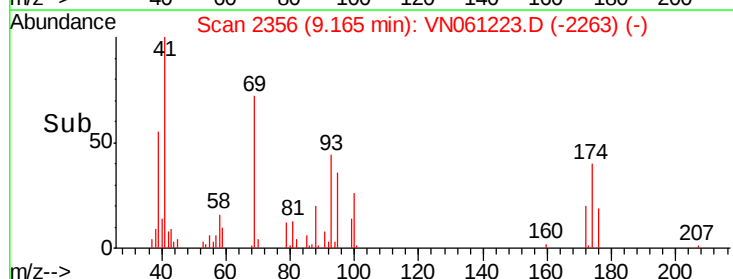


Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-2343) (-)

Ion 69.00 (68.70 to 69.70): VN061153.D (-2343) (-)

Ion 39.00 (38.70 to 39.70): VN061153.D (-2343) (-)

Time-->

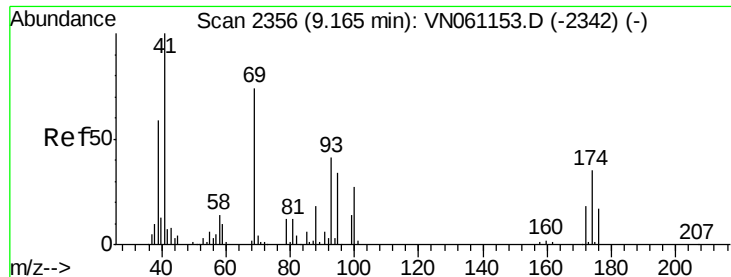


Abundance Ion 41.00 (40.70 to 41.70): VN061223.D (-2263) (-)

Ion 69.00 (68.70 to 69.70): VN061223.D (-2263) (-)

Ion 39.00 (38.70 to 39.70): VN061223.D (-2263) (-)

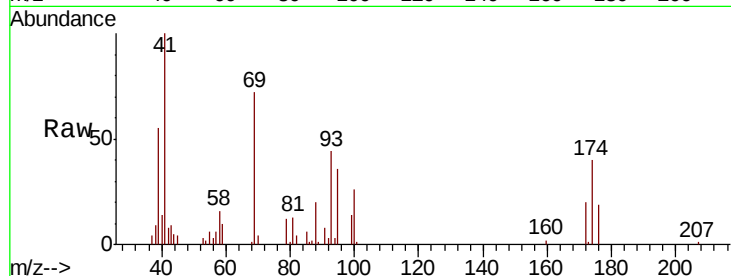
Time-->



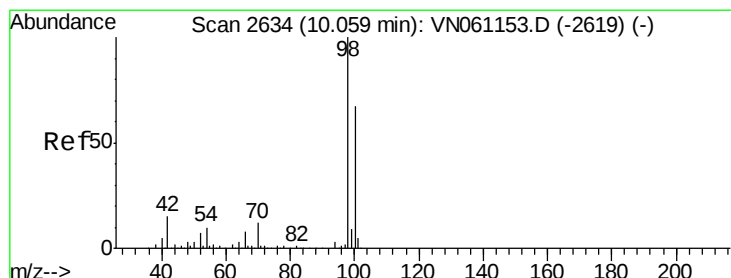
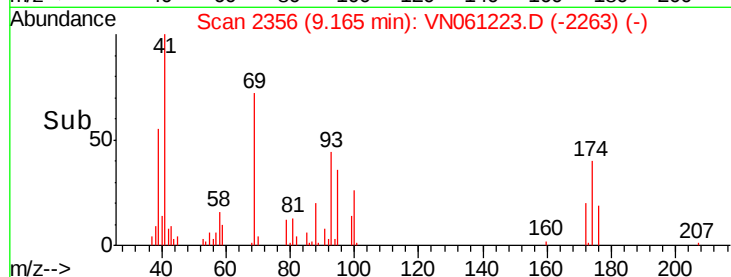
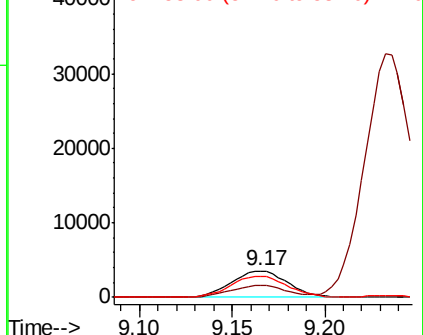
#49
1,4-Dioxane
Concen: 348.034 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Tot Ion: 88 Resp: 7389
Ion Ratio Lower Upper
88 100
43 43.5 35.3 52.9
58 79.8 61.5 92.3

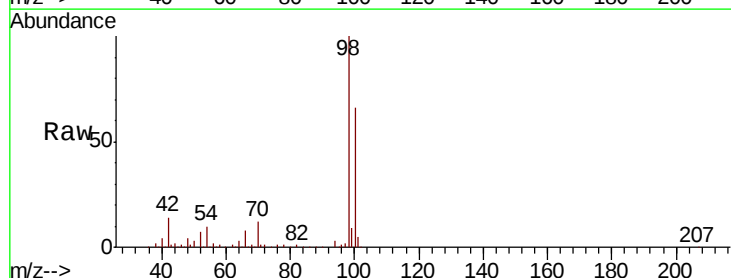


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

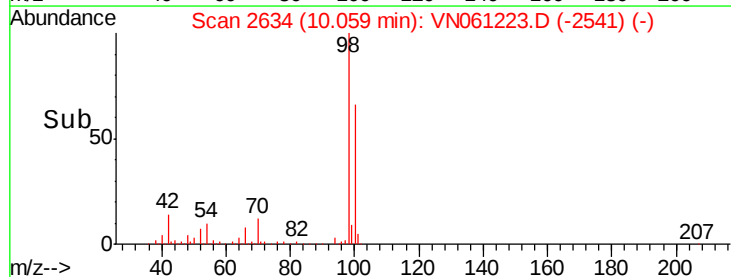
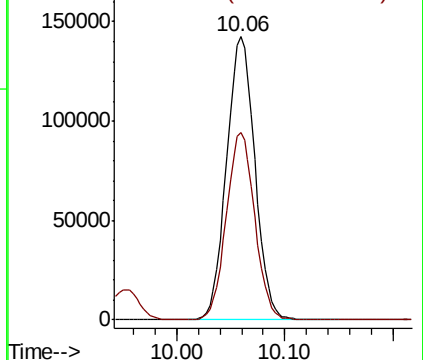


#50
Toluene-d8
Concen: 50.958 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 98 Resp: 261407
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



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: 91.622 ug/l

RT: 9.95 min Scan# 2601

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

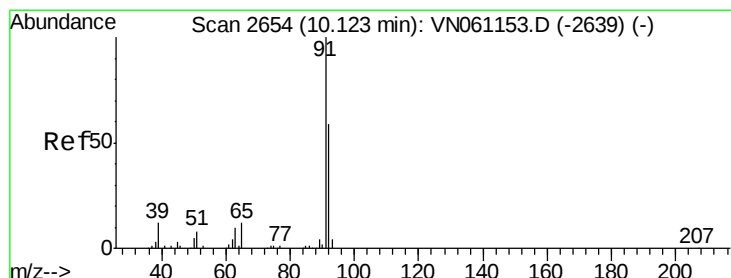
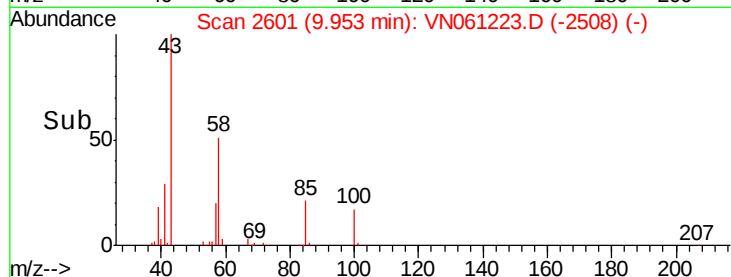
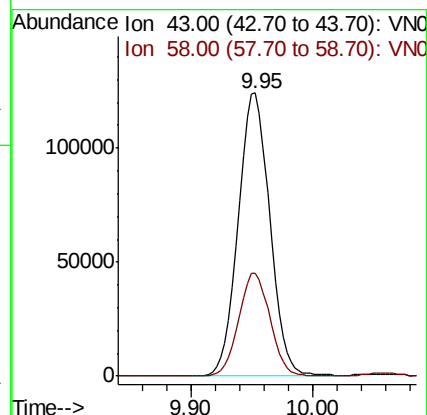
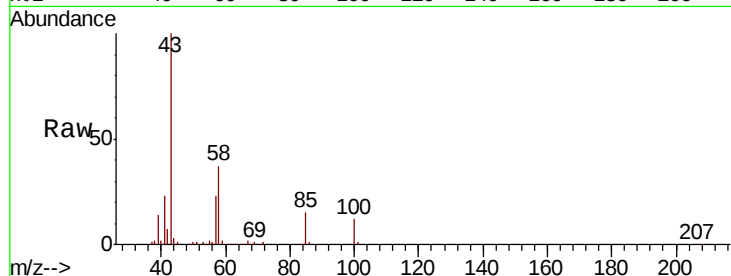
VN0501WBS01

Tot Ion: 43 Resp: 223528

Ion Ratio Lower Upper

43 100

58 36.0 29.1 43.7



#52

Toluene

Concen: 18.366 ug/l

RT: 10.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VN061223.D

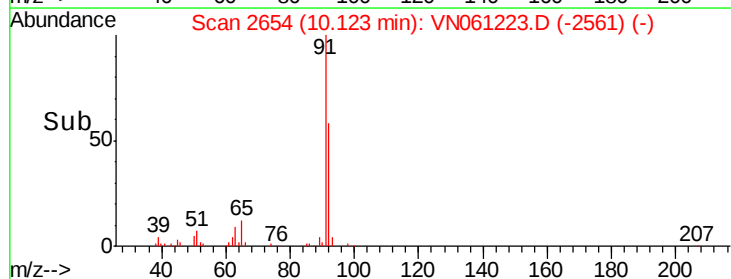
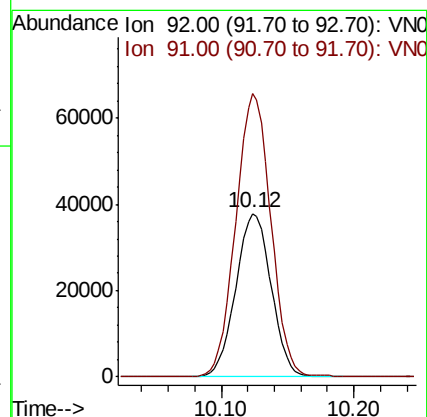
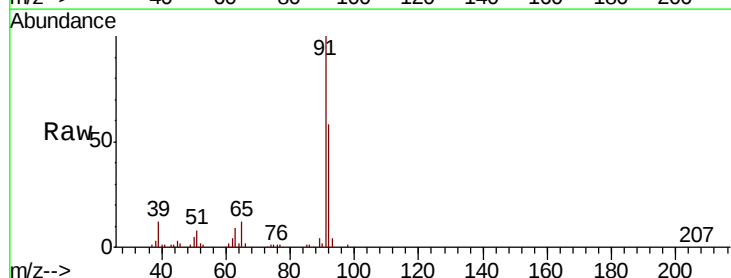
Acq: 1 May 2020 12:15

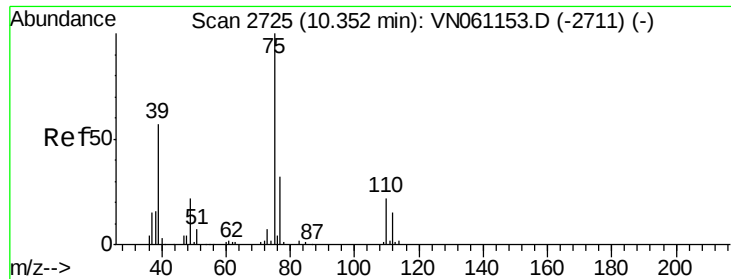
Tgt Ion: 92 Resp: 70211

Ion Ratio Lower Upper

92 100

91 172.0 136.2 204.2

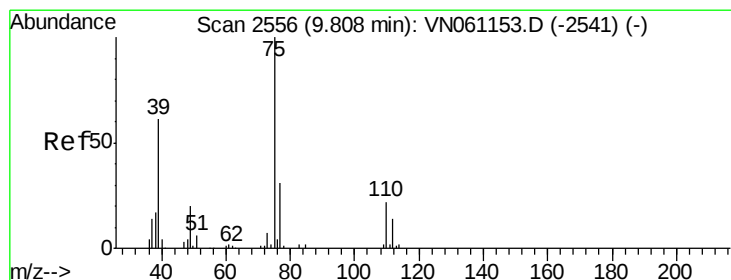
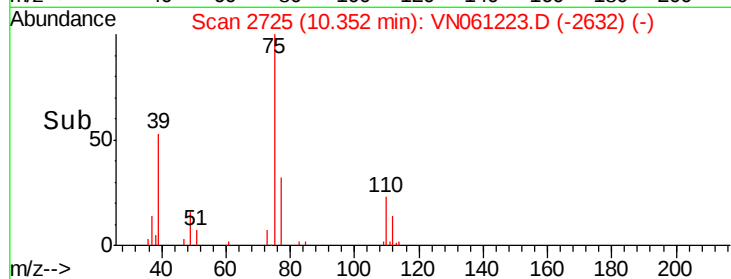
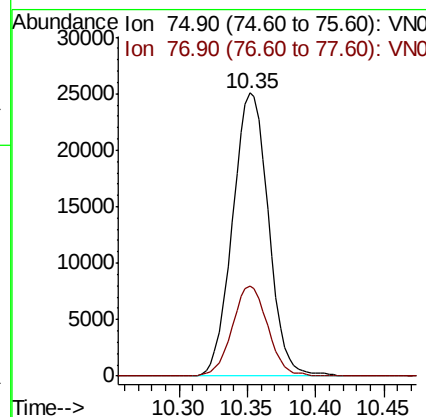
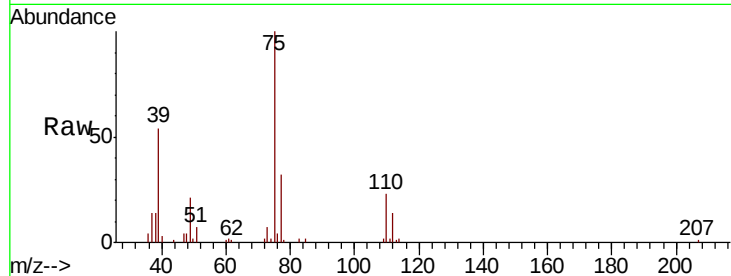




#53
t-1,3-Dichloropropene
Concen: 18.020 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

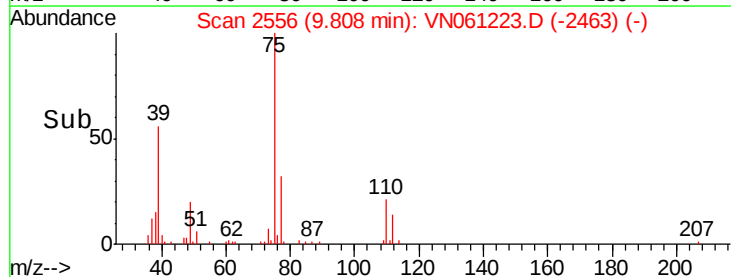
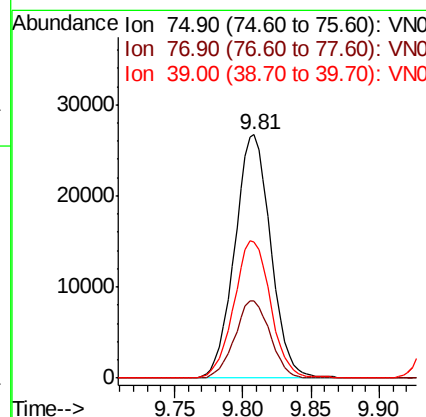
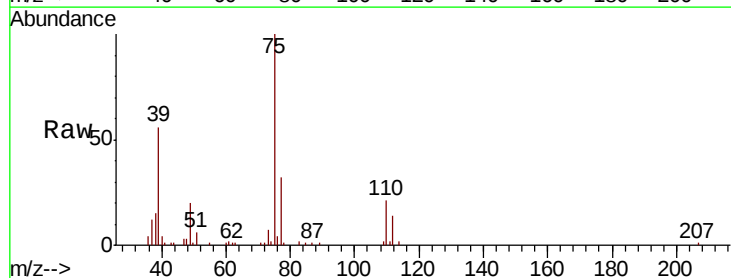
Instrument :
MSVOA_N
ClientSampled :
VN0501WBS01

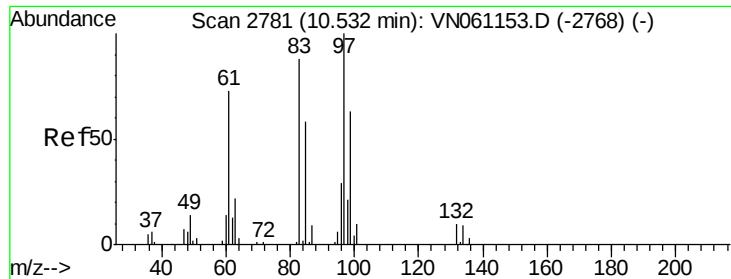
Tot Ion: 75 Resp: 45754
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 18.270 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 75 Resp: 49044
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.4
39 56.2 48.7 73.1

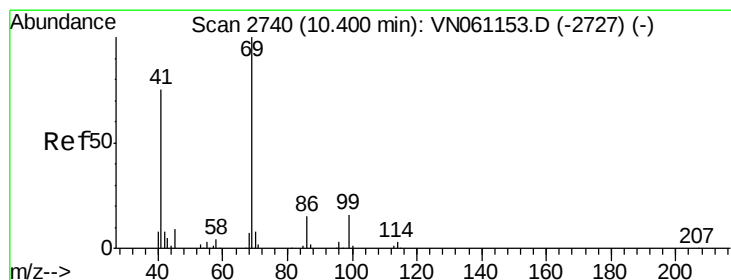
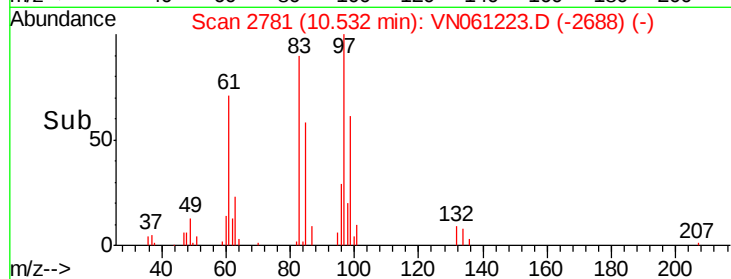
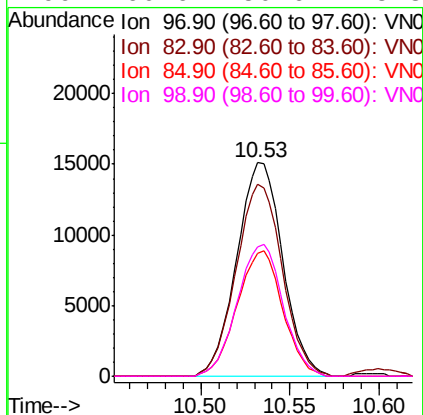
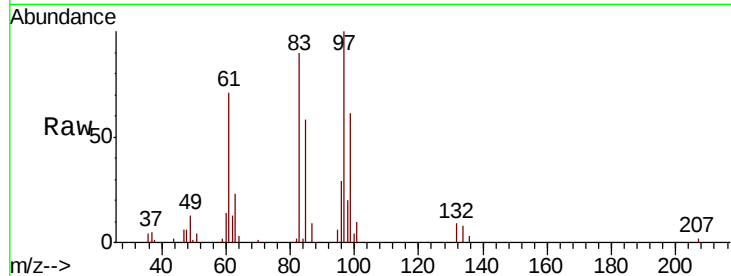




#55
 1,1,2-Trichloroethane
 Concen: 17.820 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

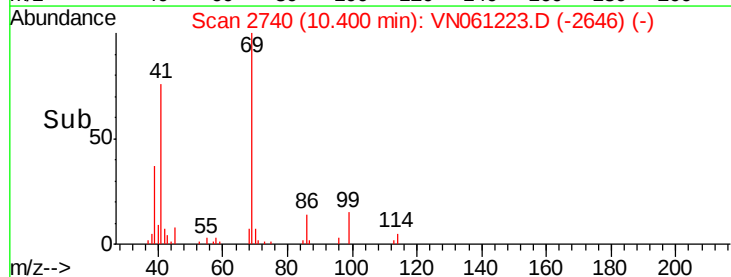
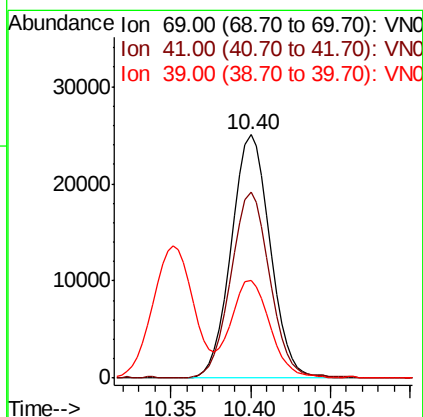
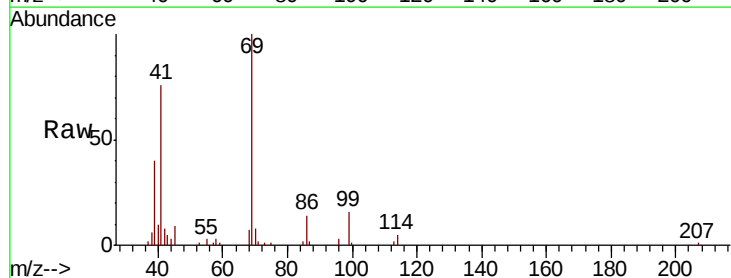
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

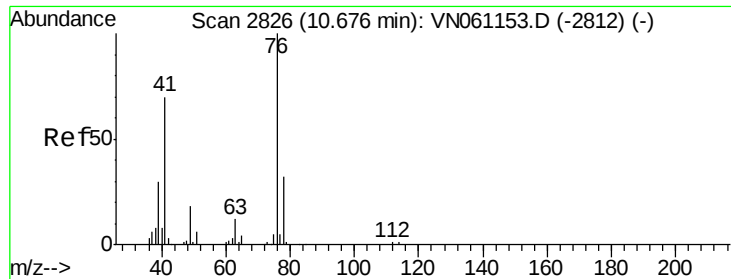
Tot Ion:	97	Resp:	27173
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.6	106.0
85	57.8	46.4	69.6
99	60.6	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 17.465 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion:	69	Resp:	41419
Ion	Ratio	Lower	Upper
69	100		
41	77.1	60.3	90.5
39	40.5	35.9	53.9

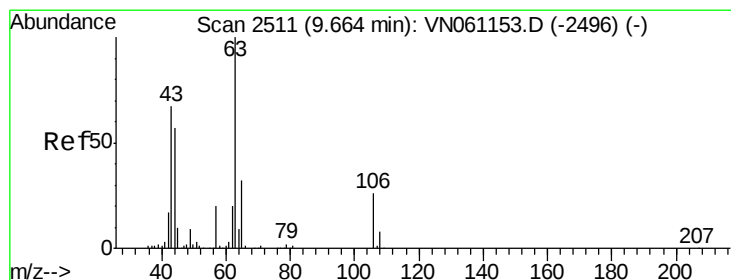
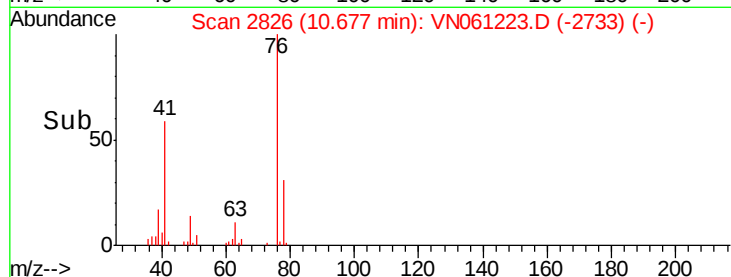
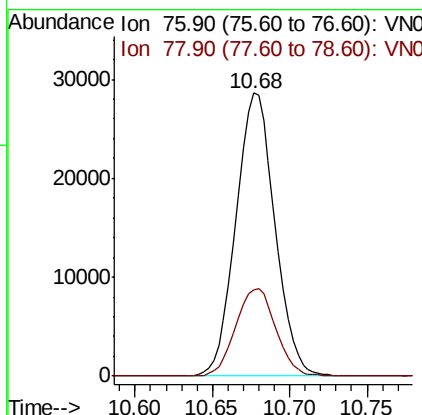
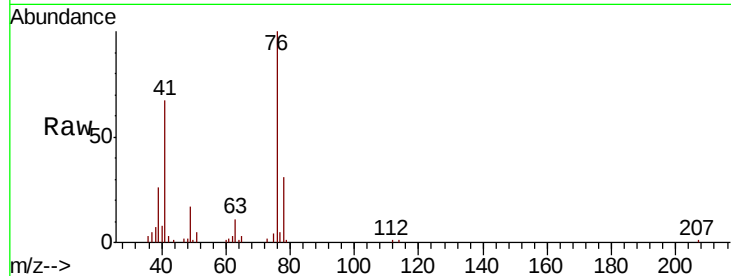




#57
 1,3-Dichloropropane
 Concen: 18.709 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

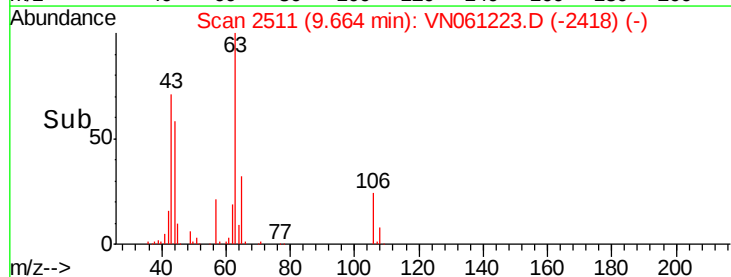
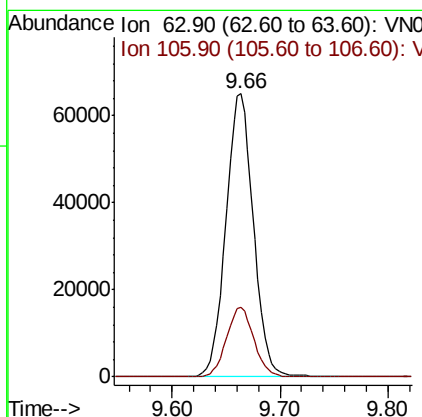
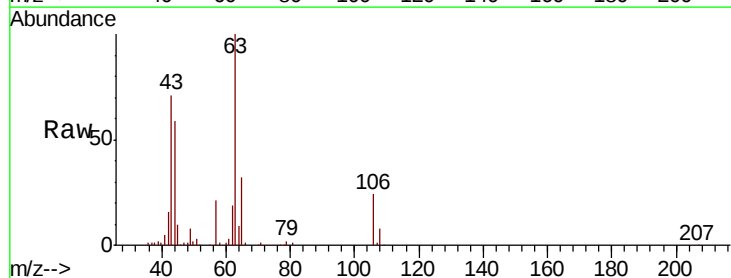
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

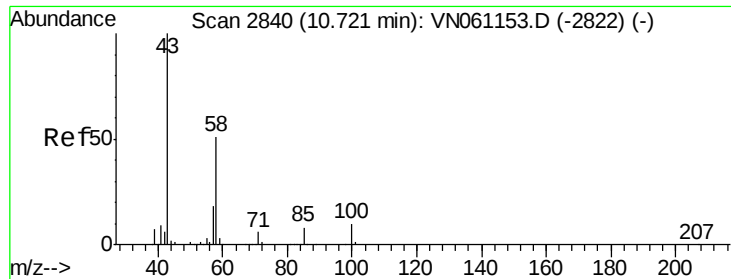
Tot Ion: 76 Resp: 50144
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.690 ug/l
 RT: 9.66 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion: 63 Resp: 115638
 Ion Ratio Lower Upper
 63 100
 106 24.4 20.6 30.8

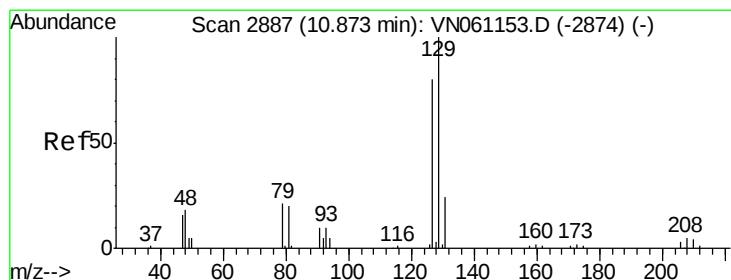
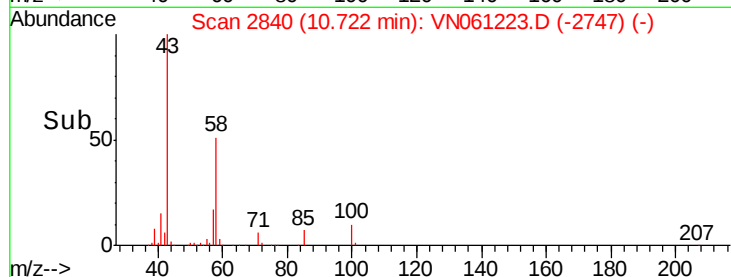
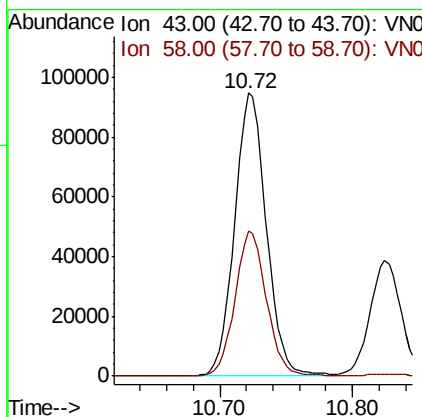
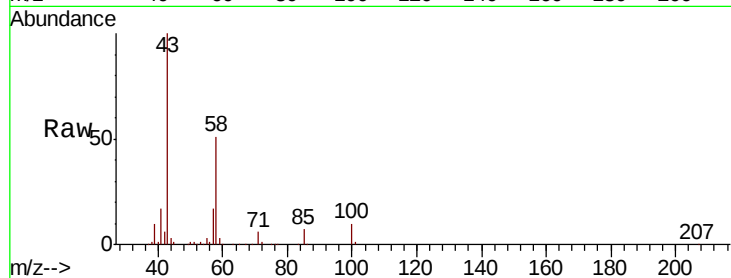




#59
2-Hexanone
Concen: 88.974 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

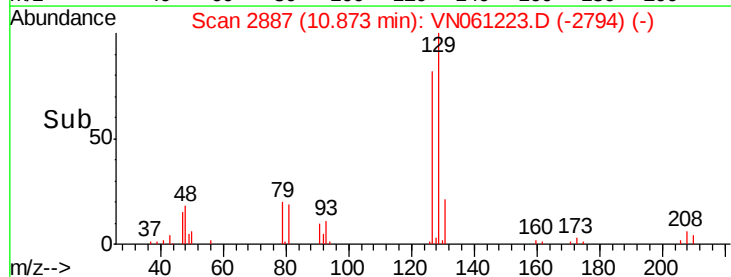
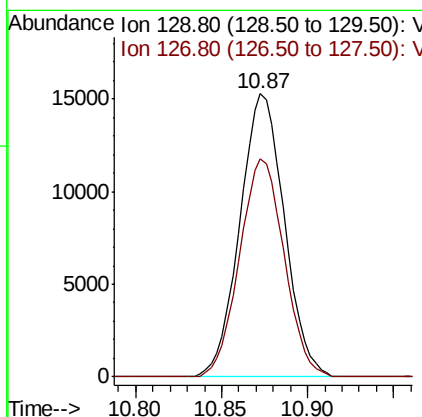
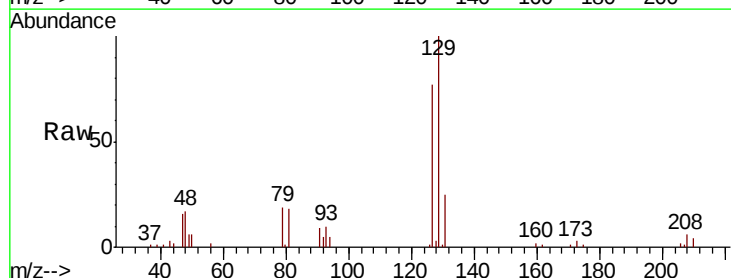
Instrument :
MSVOA_N
ClientSampled :
VN0501WBS01

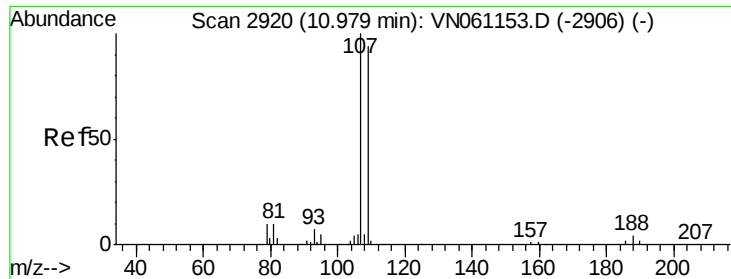
Tot Ion: 43 Resp: 157922
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.4



#60
Dibromochloromethane
Concen: 17.171 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 129 Resp: 27422
Ion Ratio Lower Upper
129 100
127 77.1 39.3 117.8

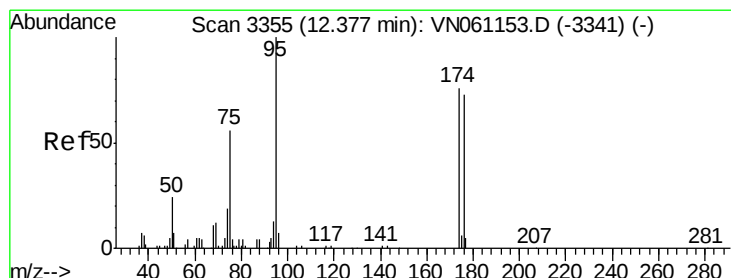
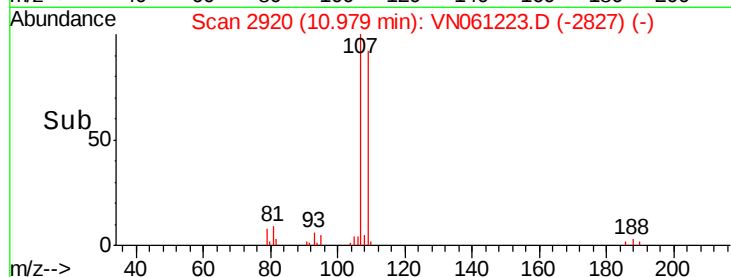
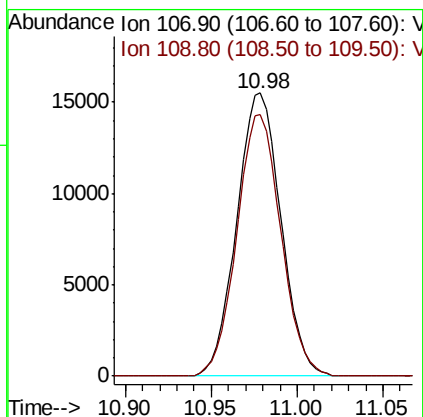
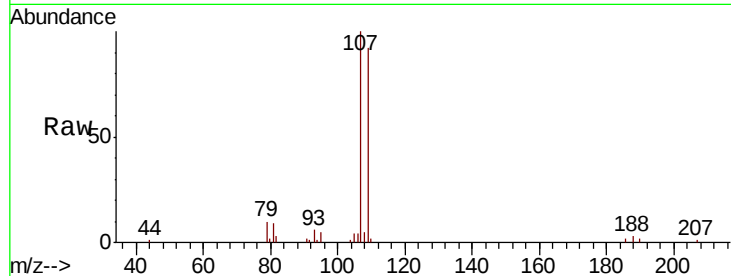




#61
 1,2-Dibromoethane
 Concen: 18.076 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

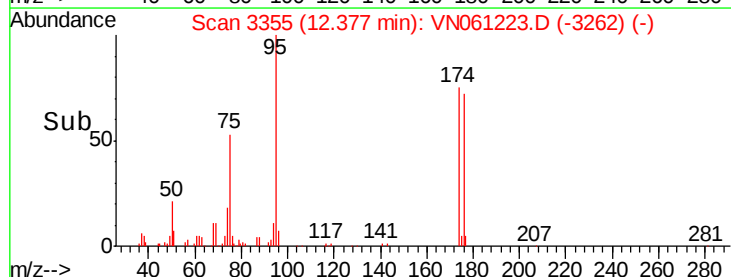
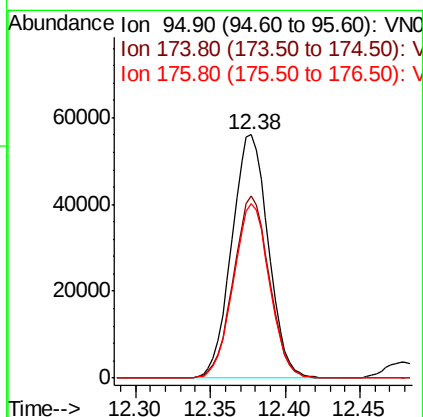
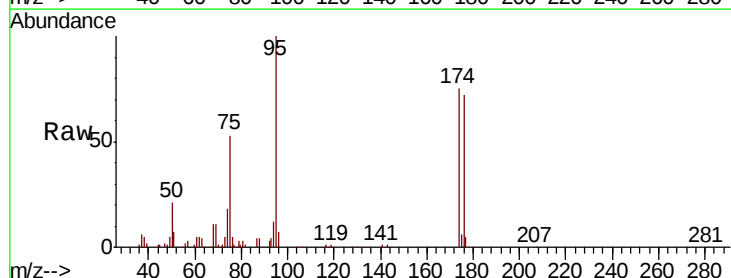
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

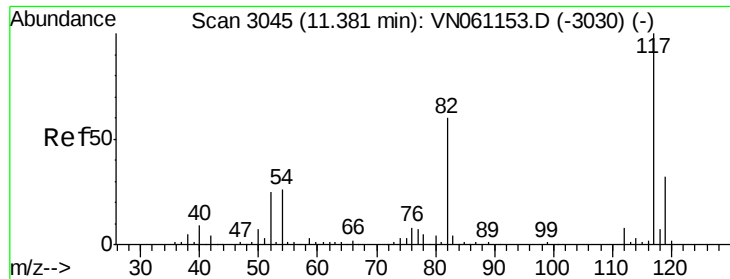
Tot Ion:107 Resp: 27626
 Ion Ratio Lower Upper
 107 100
 109 92.2 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 49.416 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion: 95 Resp: 95395
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 149.4
 176 70.7 0.0 144.8

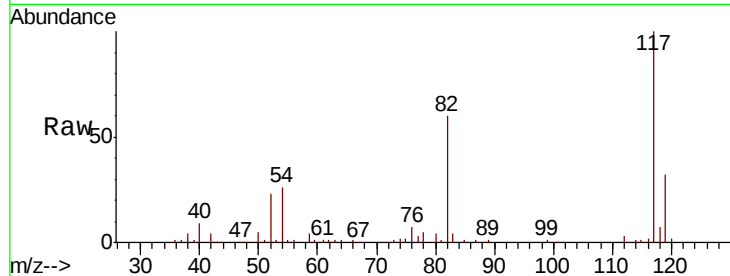




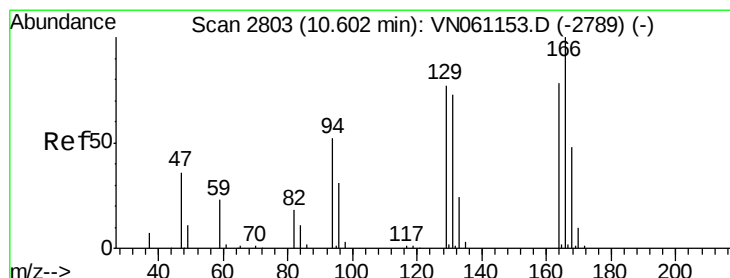
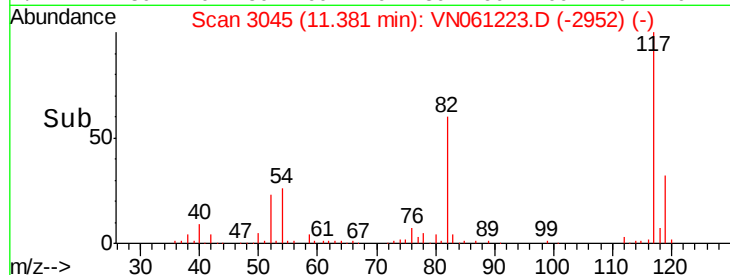
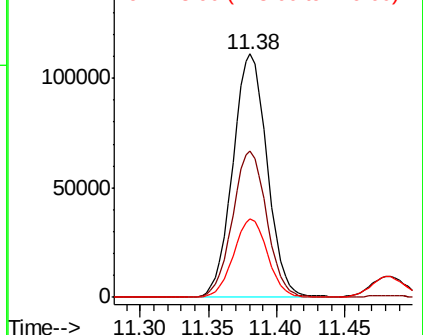
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0501WBS01

Tot Ion:117 Resp: 193941
Ion Ratio Lower Upper
117 100
82 60.0 47.8 71.8
119 32.2 25.8 38.6

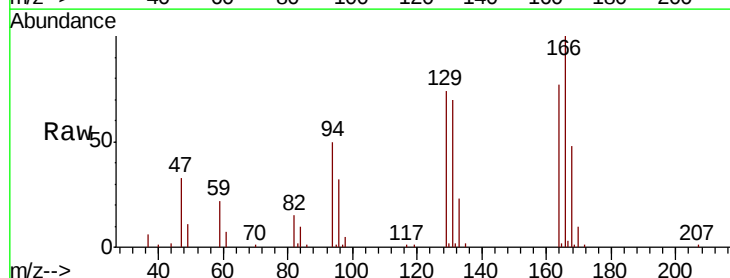


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

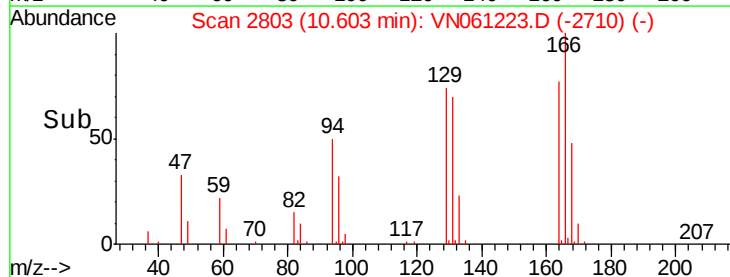
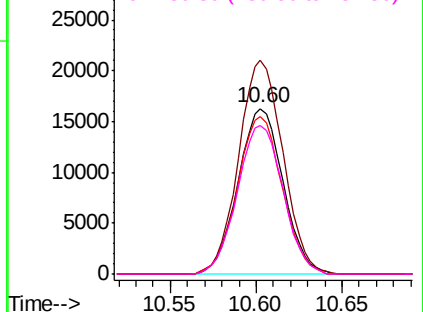


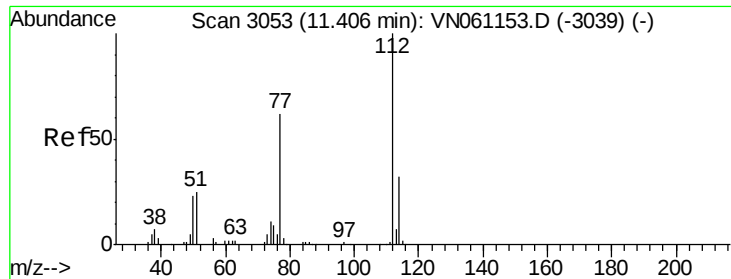
#64
Tetrachloroethene
Concen: 17.579 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion:164 Resp: 29528
Ion Ratio Lower Upper
164 100
166 129.1 102.0 153.0
129 95.2 78.2 117.2
131 90.1 74.5 111.7



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





#65

Chlorobenzene

Concen: 18.314 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

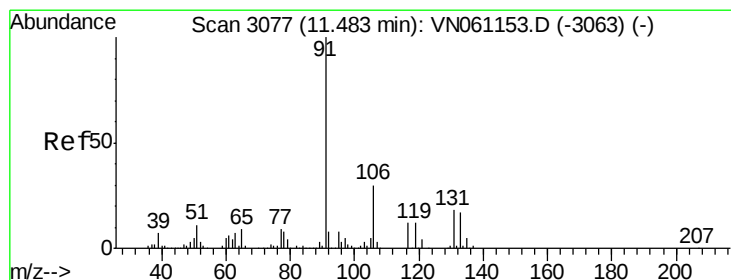
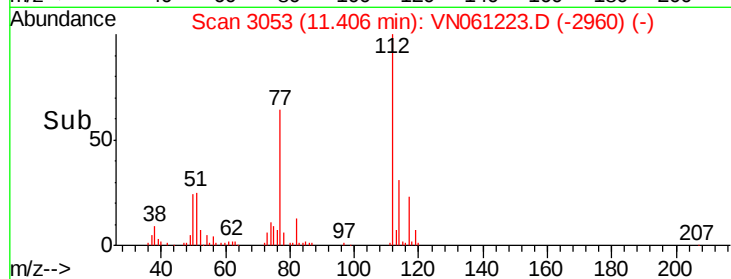
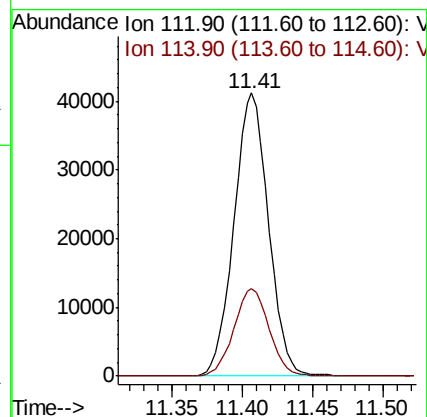
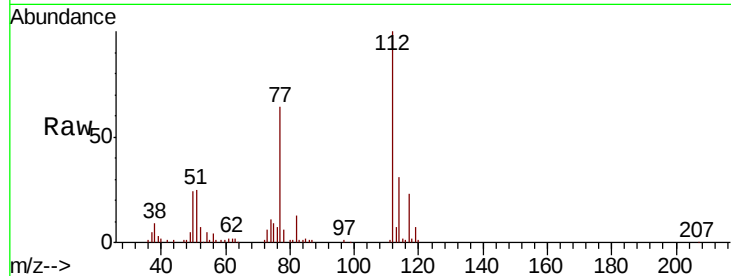
VN0501WBS01

Tot Ion:112 Resp: 70456

Ion Ratio Lower Upper

112 100

114 30.8 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 18.289 ug/l

RT: 11.48 min Scan# 3076

Delta R.T. -0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

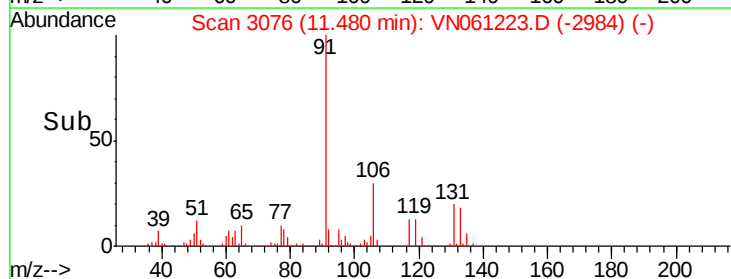
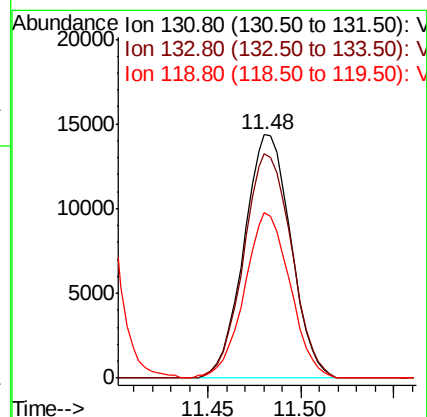
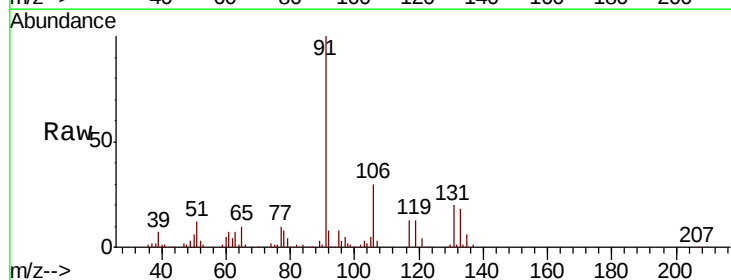
Tgt Ion:131 Resp: 25182

Ion Ratio Lower Upper

131 100

133 94.3 48.0 144.2

119 66.1 32.6 97.8





#67

Ethyl Benzene

Concen: 18.423 ug/l

RT: 11.49 min Scan# 3078

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

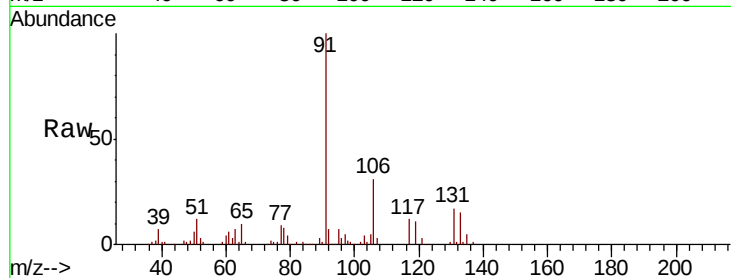
VN0501WBS01

Tot Ion: 91 Resp: 132682

Ion Ratio Lower Upper

91 100

106 30.5 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3063) (-)

Ion 106.00 (105.70 to 106.70): VN061153.D (-3063) (-)

120000

100000

80000

60000

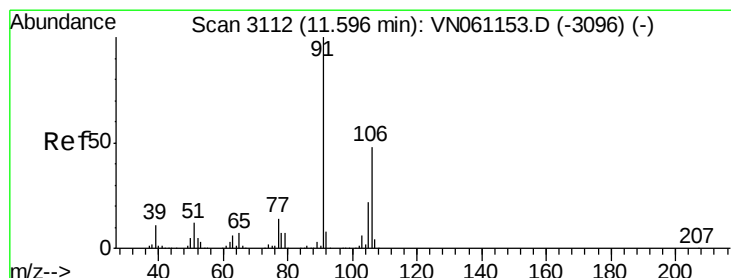
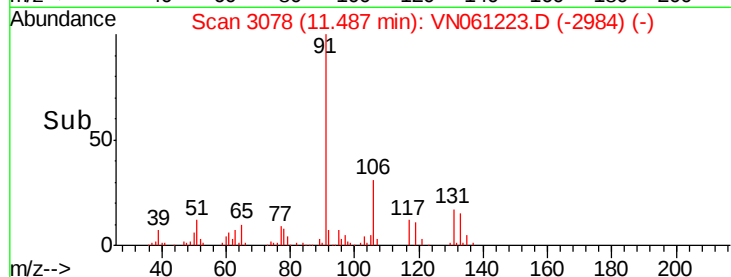
40000

20000

0

11.40 11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 36.503 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061223.D

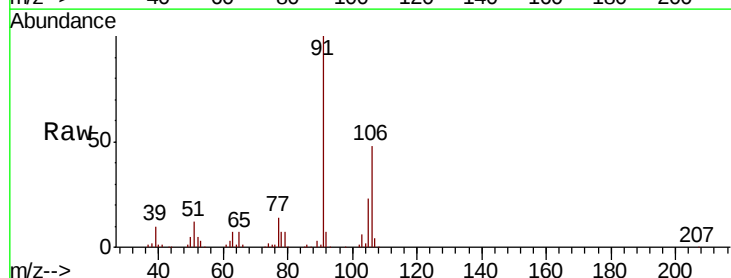
Acq: 1 May 2020 12:15

Tgt Ion: 106 Resp: 96225

Ion Ratio Lower Upper

106 100

91 212.2 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061153.D (-3096) (-)

Ion 91.00 (90.70 to 91.70): VN061153.D (-3096) (-)

120000

100000

80000

60000

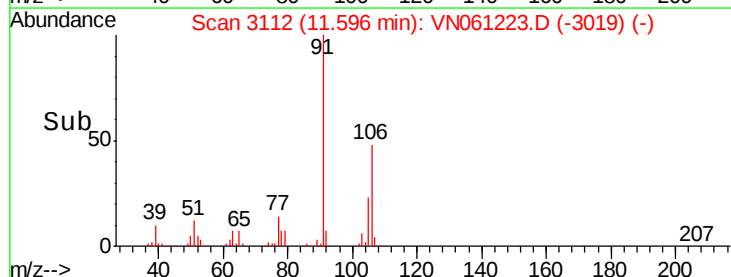
40000

20000

0

11.50 11.55 11.60 11.65

Time-->

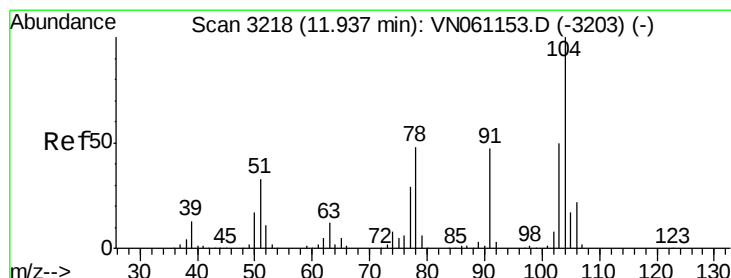
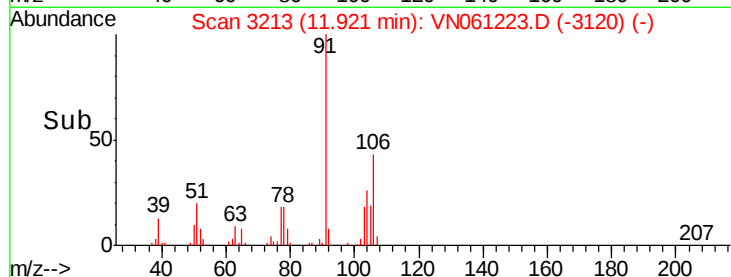
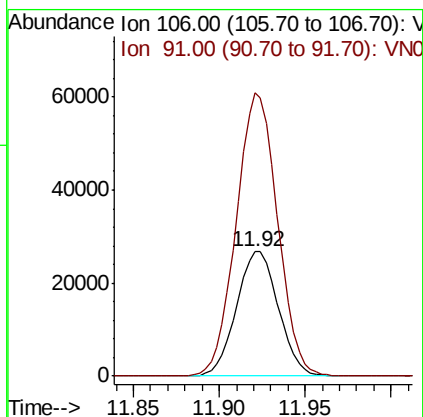
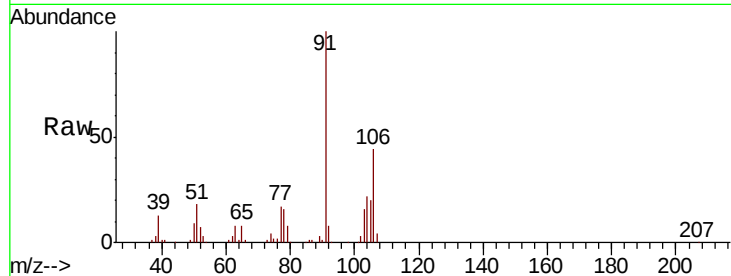




#69
o-Xylene
Concen: 17.897 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

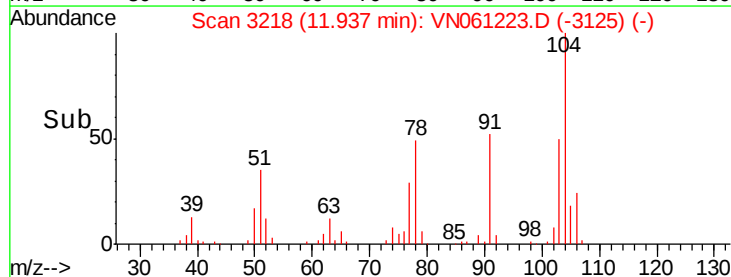
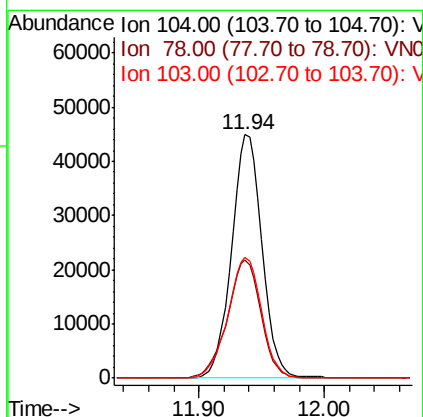
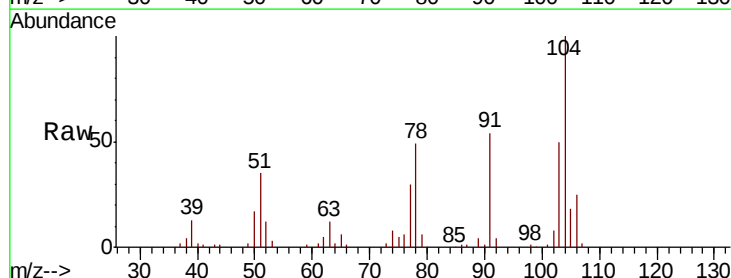
Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

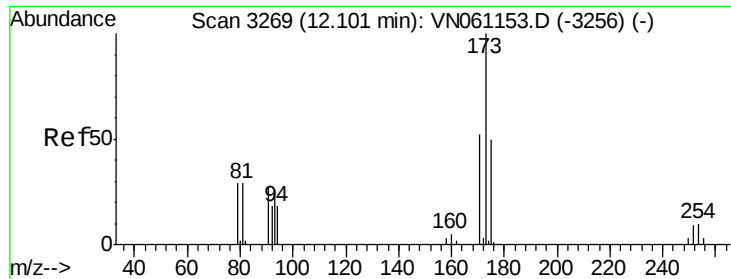
Tot Ion:106 Resp: 45317
Ion Ratio Lower Upper
106 100
91 224.0 109.7 329.0



#70
Styrene
Concen: 17.840 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion:104 Resp: 75606
Ion Ratio Lower Upper
104 100
78 53.4 42.1 63.1
103 54.5 43.3 64.9





#71

Bromoform

Concen: 17.786 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0501WBS01

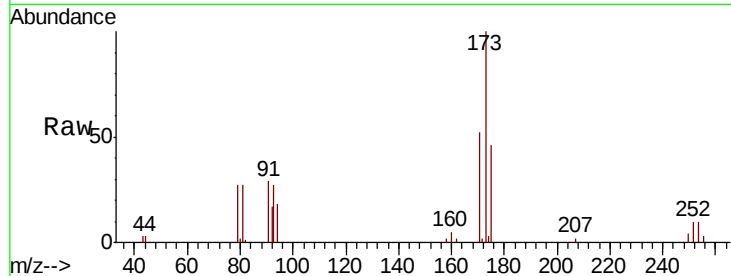
Tot Ion:173 Resp: 17999

Ion Ratio Lower Upper

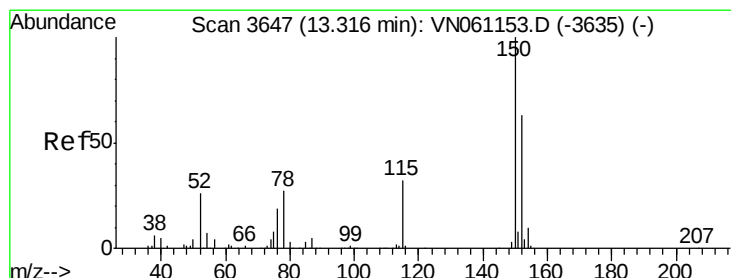
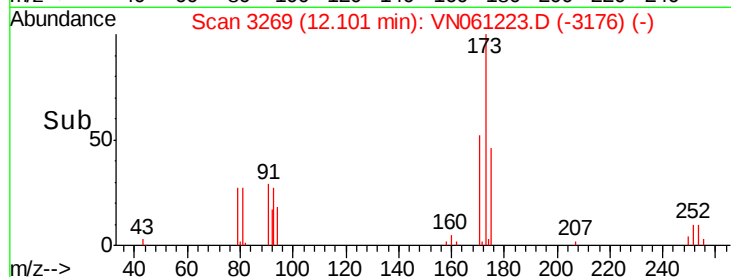
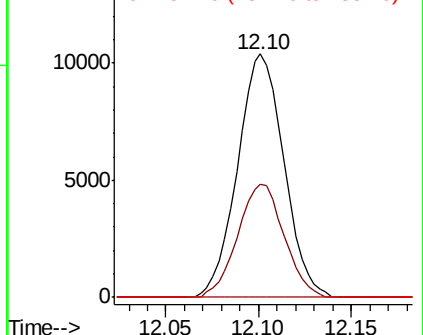
173 100

175 46.4 24.1 72.4

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: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

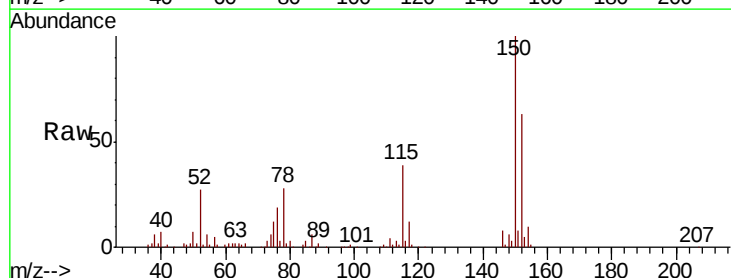
Tgt Ion:152 Resp: 90498

Ion Ratio Lower Upper

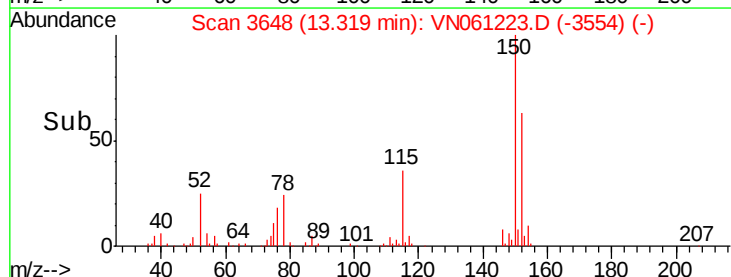
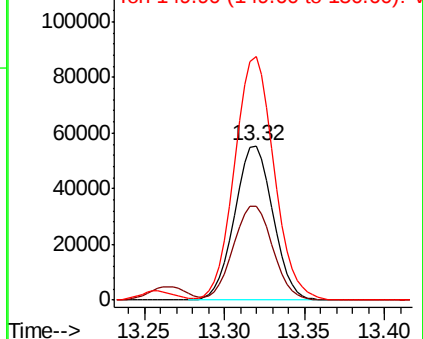
152 100

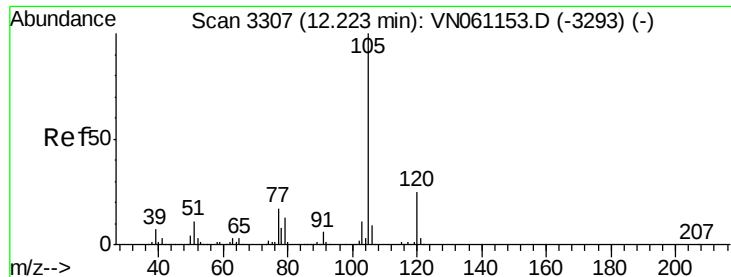
115 62.9 31.0 93.0

150 162.7 0.0 351.8



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: 18.593 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

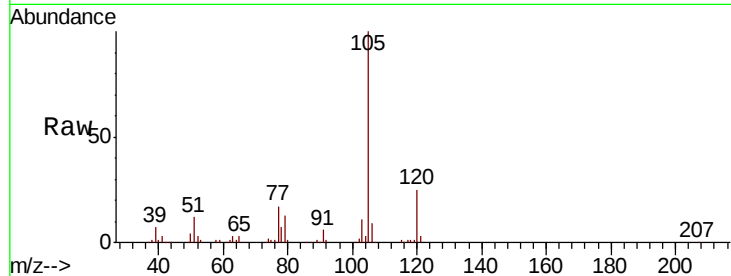
VN0501WBS01

Tot Ion:105 Resp: 123696

Ion Ratio Lower Upper

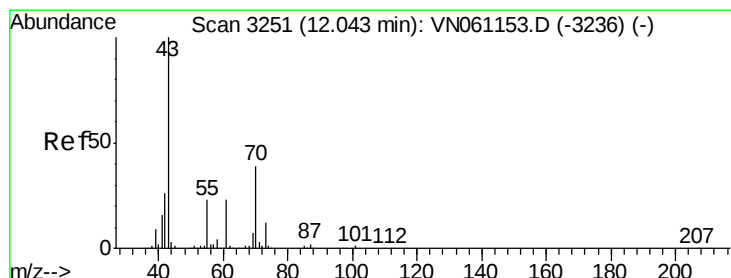
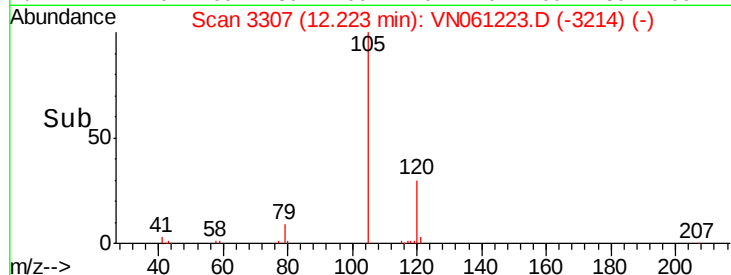
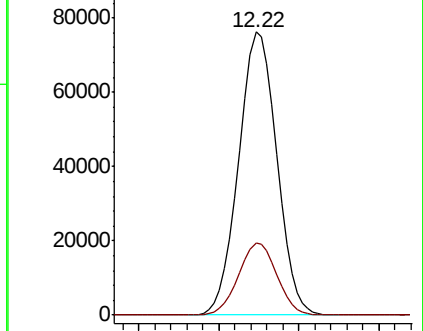
105 100

120 25.5 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.833 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Tgt Ion: 43 Resp: 60079

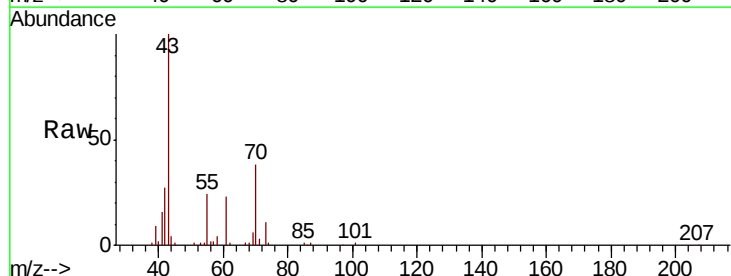
Ion Ratio Lower Upper

43 100

70 37.8 30.6 46.0

55 24.5 18.5 27.7

61 22.6 17.9 26.9

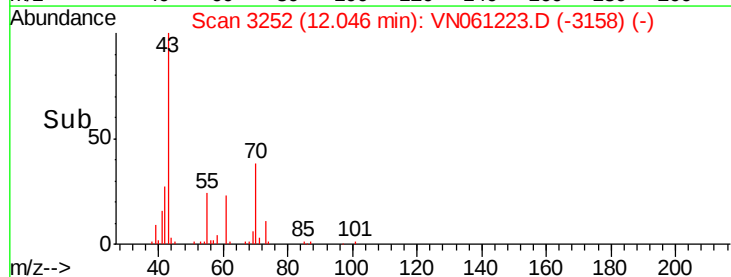
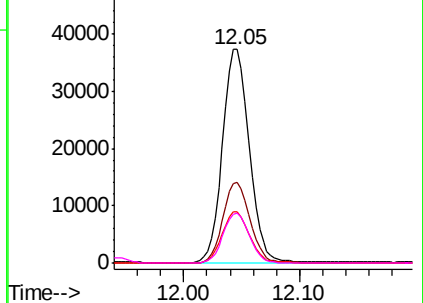


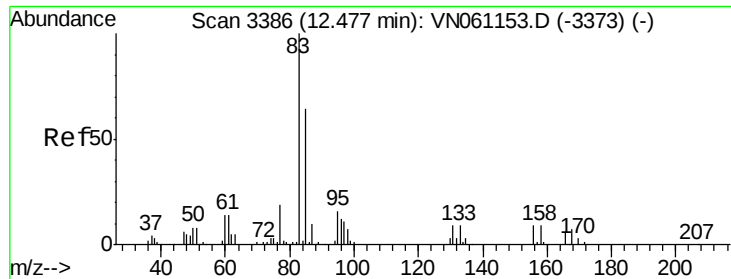
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 18.901 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

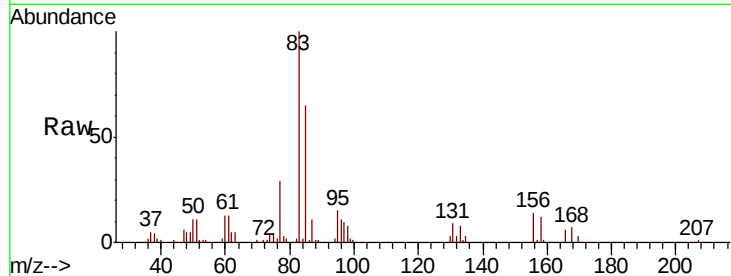
Tot Ion: 83 Resp: 39210

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

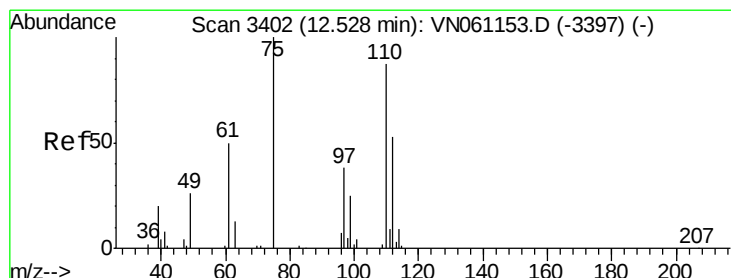
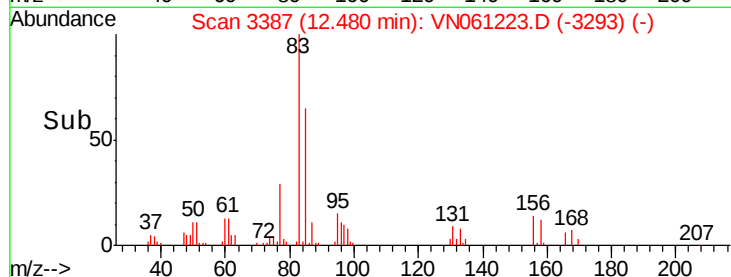
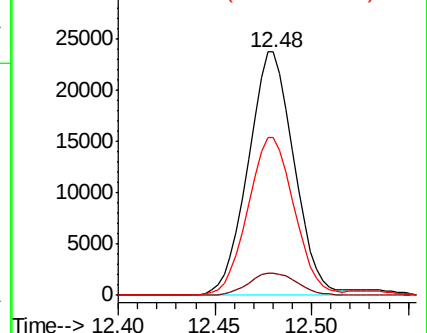
85 65.5 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.640 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061223.D

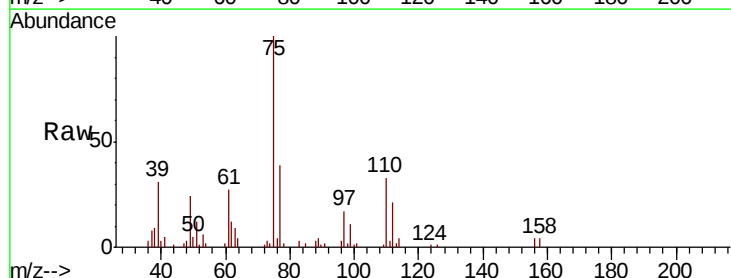
Acq: 1 May 2020 12:15

Tgt Ion: 75 Resp: 52736

Ion Ratio Lower Upper

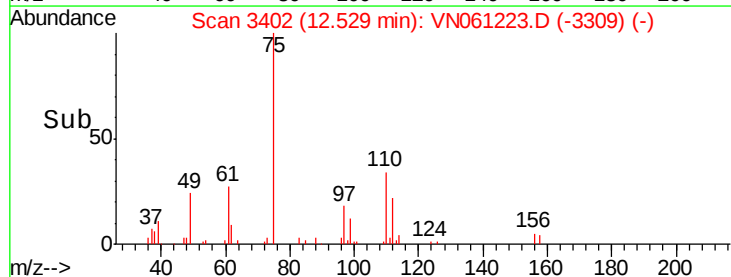
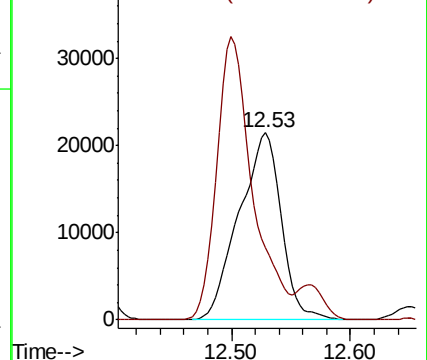
75 100

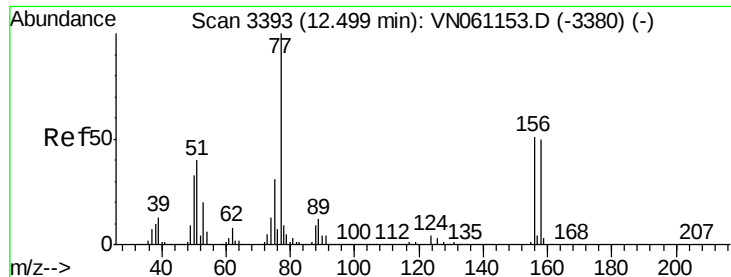
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.501 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

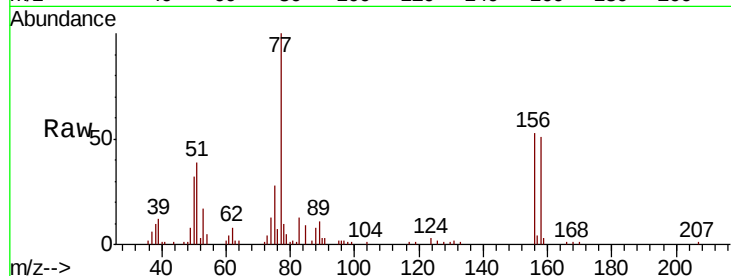
Tot Ion:156 Resp: 28414

Ion Ratio Lower Upper

156 100

77 238.8 117.4 352.2

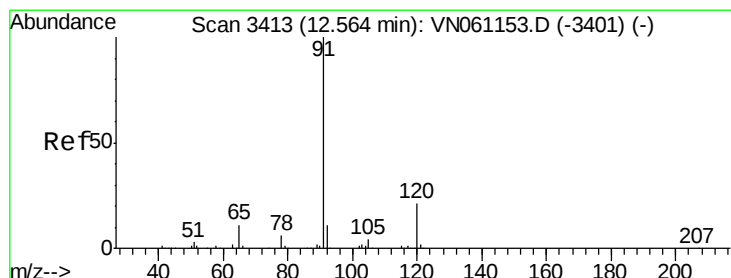
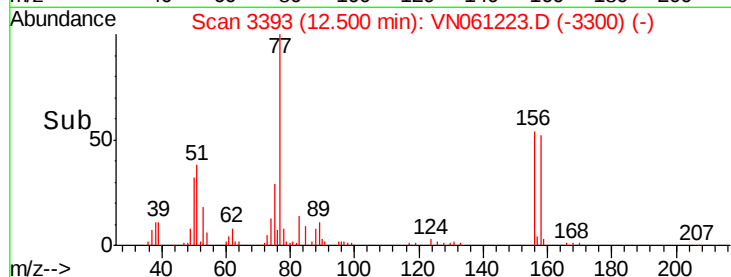
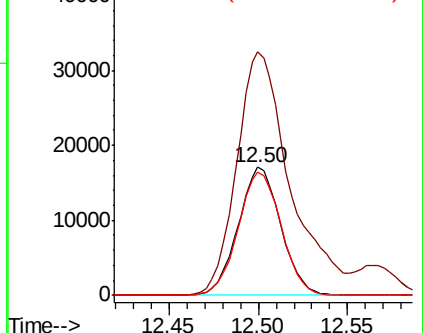
158 97.0 48.4 145.0



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: 18.814 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061223.D

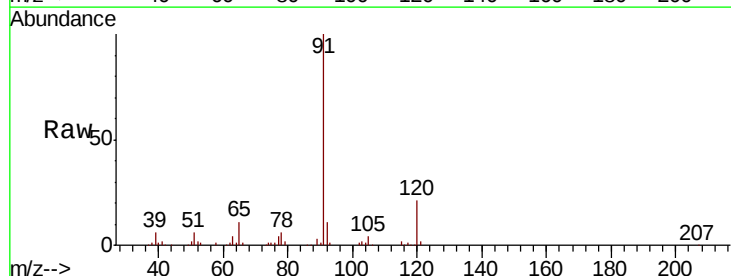
Acq: 1 May 2020 12:15

Tgt Ion: 91 Resp: 148463

Ion Ratio Lower Upper

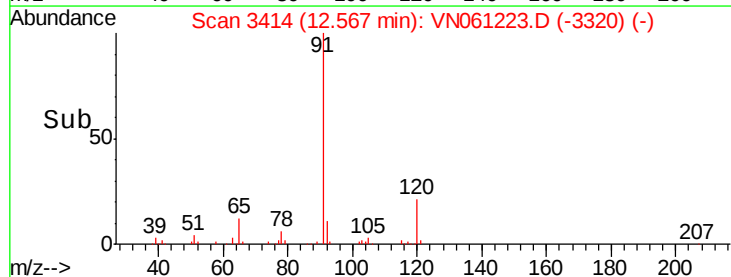
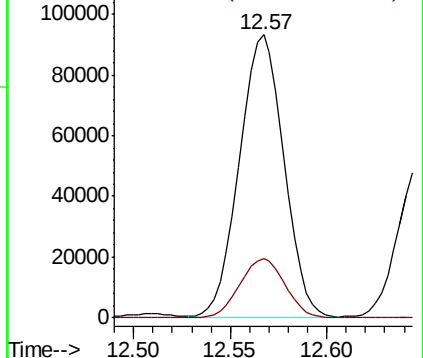
91 100

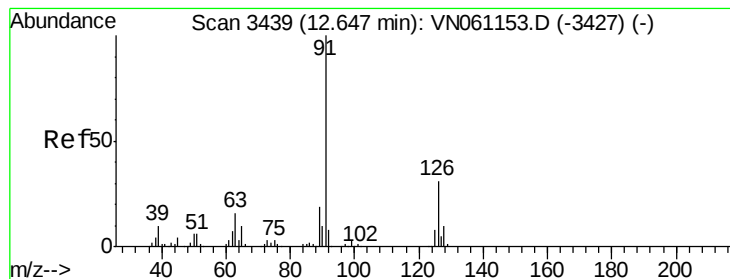
120 21.4 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.963 ug/l

RT: 12.65 min Scan# 3440

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

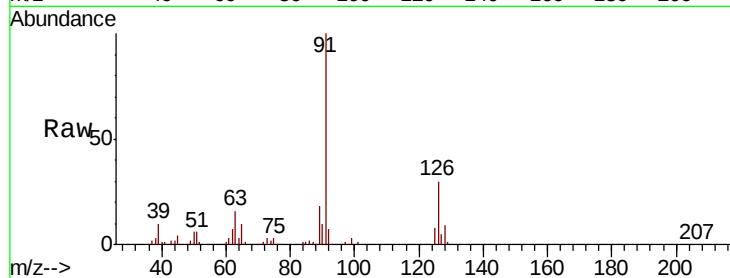
VN0501WBS01

Tot Ion: 91 Resp: 87953

Ion Ratio Lower Upper

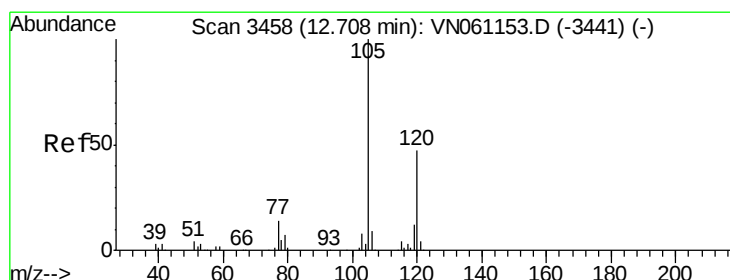
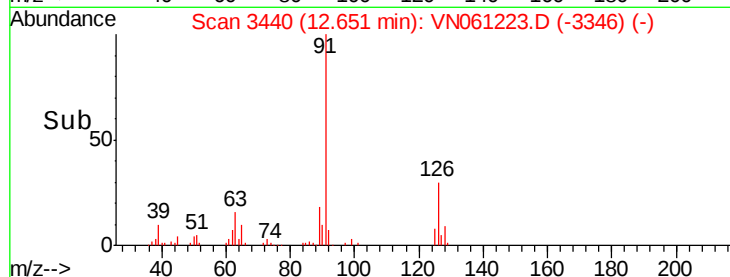
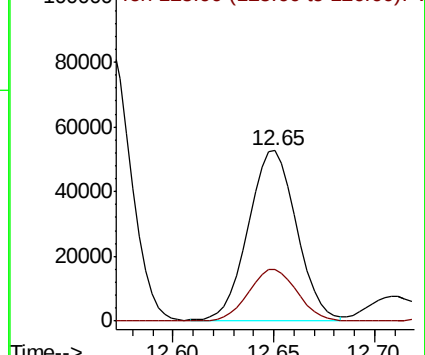
91 100

126 30.8 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)

Ion 125.90 (125.60 to 126.60): VN061153.D (-3427) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.108 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061223.D

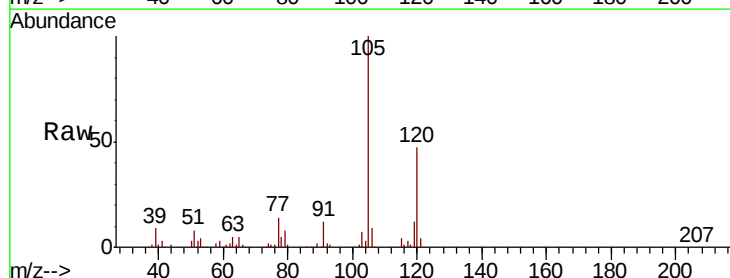
Acq: 1 May 2020 12:15

Tgt Ion: 105 Resp: 105216

Ion Ratio Lower Upper

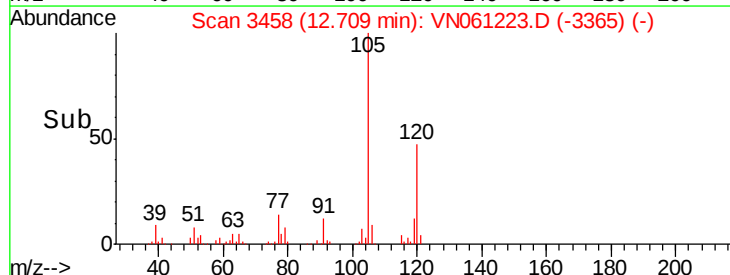
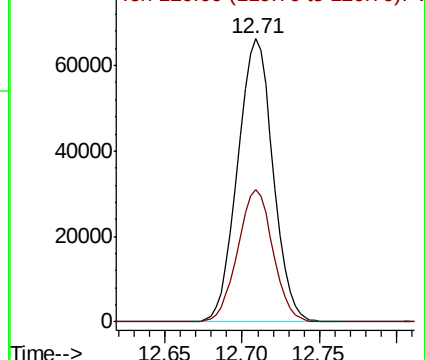
105 100

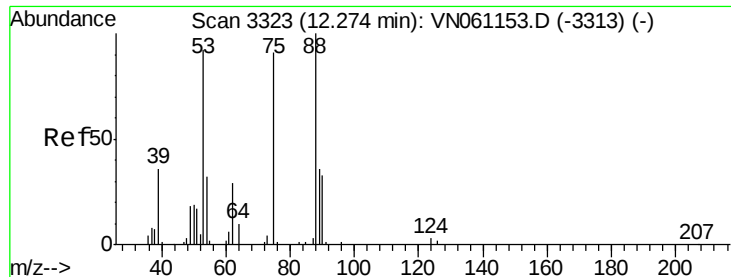
120 46.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)

Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.831 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

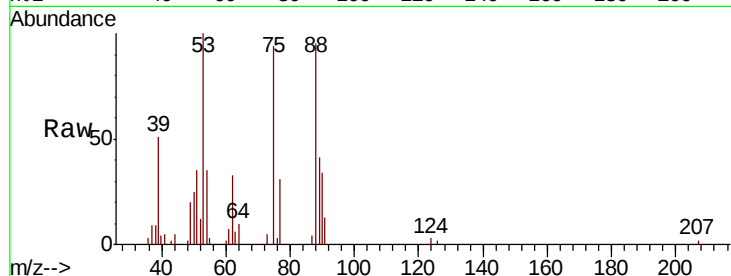
Tot Ion: 75 Resp: 13397

Ion Ratio Lower Upper

75 100

53 104.7 84.1 126.1

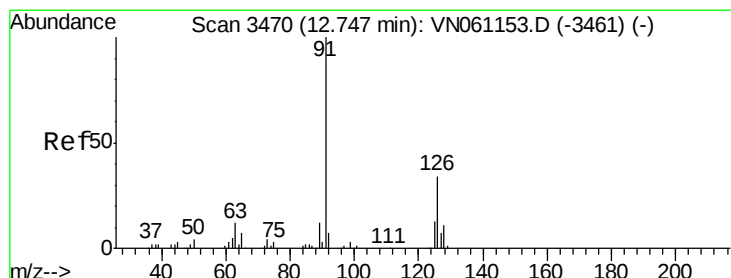
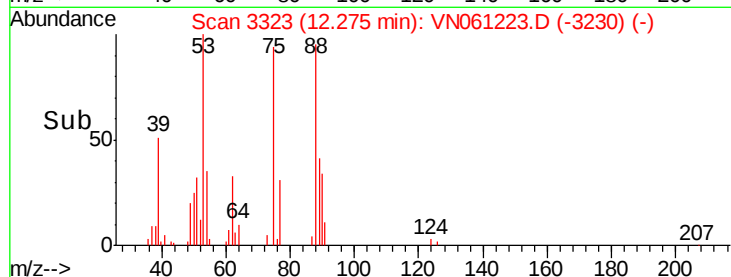
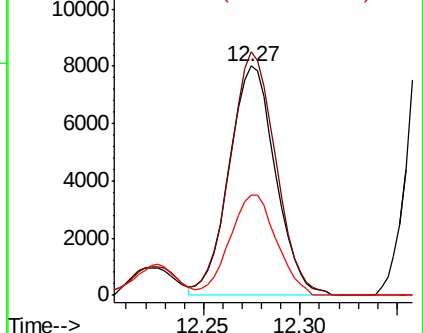
89 44.0 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.499 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061223.D

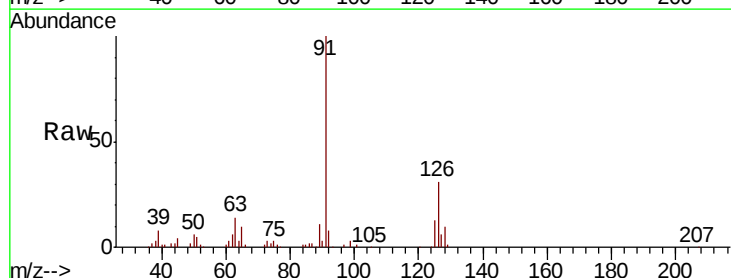
Acq: 1 May 2020 12:15

Tgt Ion: 91 Resp: 90431

Ion Ratio Lower Upper

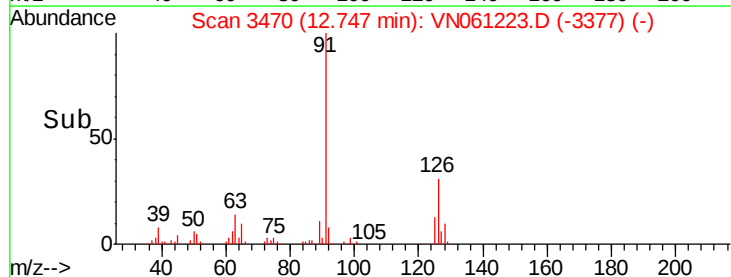
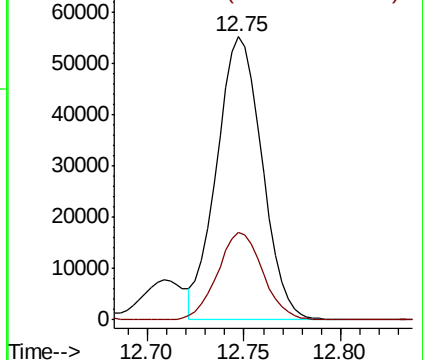
91 100

126 30.7 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

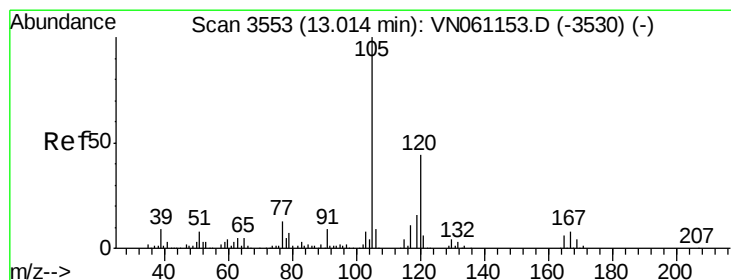
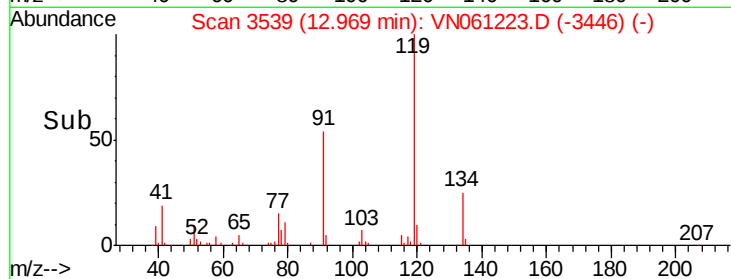
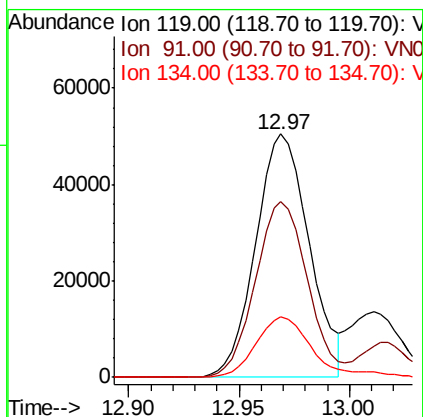
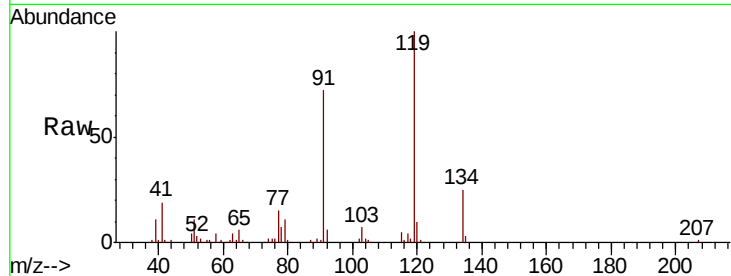




#83
 tert-Butylbenzene
 Concen: 18.306 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

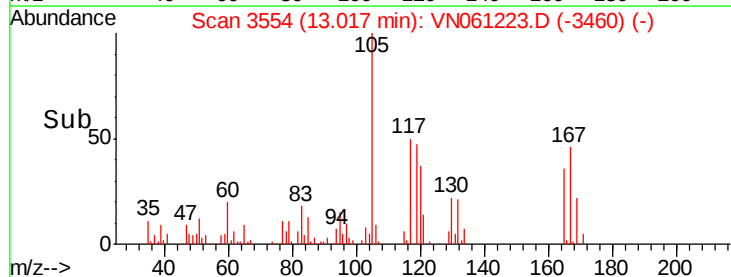
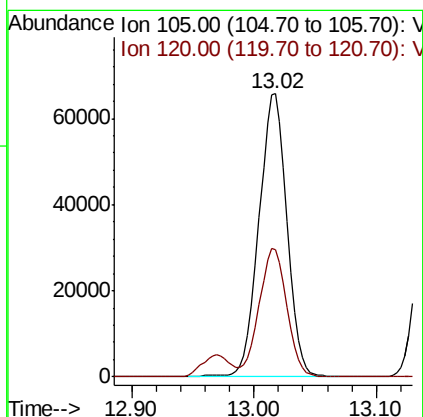
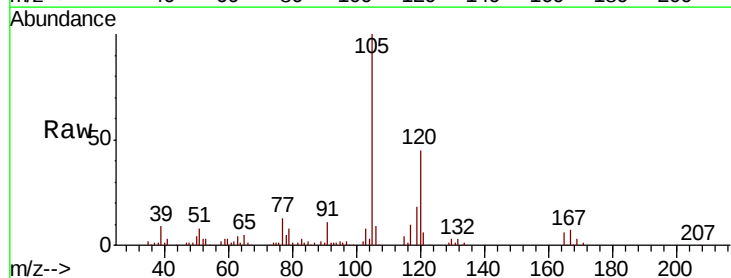
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion:119 Resp: 84993
 Ion Ratio Lower Upper
 119 100
 91 70.4 34.8 104.4
 134 26.2 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 18.426 ug/l
 RT: 13.02 min Scan# 3554
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion:105 Resp: 104532
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.2 66.6





#85

sec-Butylbenzene

Concen: 18.701 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

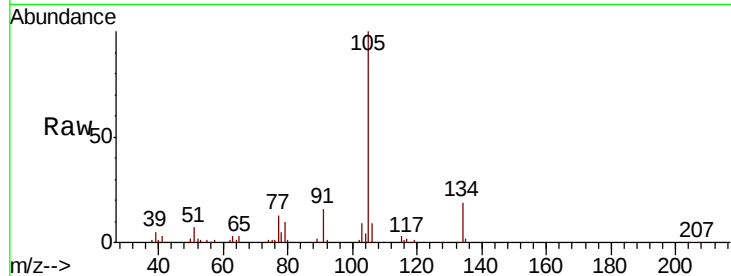
VN0501WBS01

Tot Ion:105 Resp: 118382

Ion Ratio Lower Upper

105 100

134 18.9 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

80000

60000

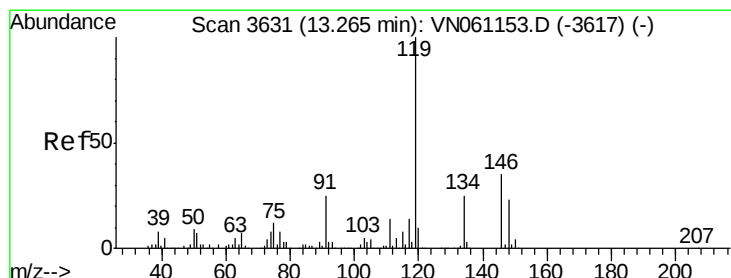
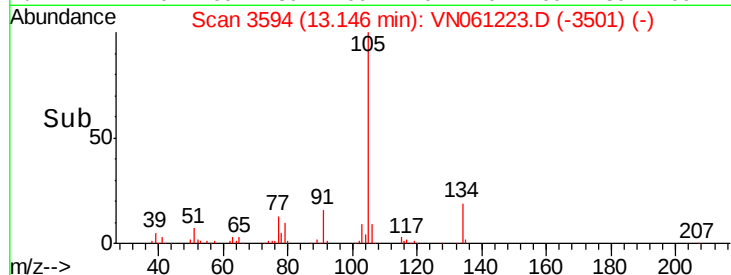
40000

20000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 18.524 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

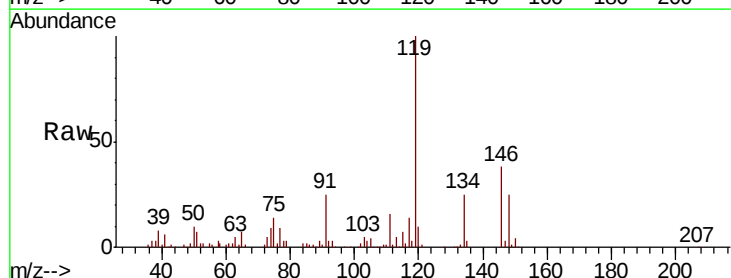
Tgt Ion:119 Resp: 105648

Ion Ratio Lower Upper

119 100

134 24.7 12.6 37.6

91 24.4 12.7 38.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

80000

60000

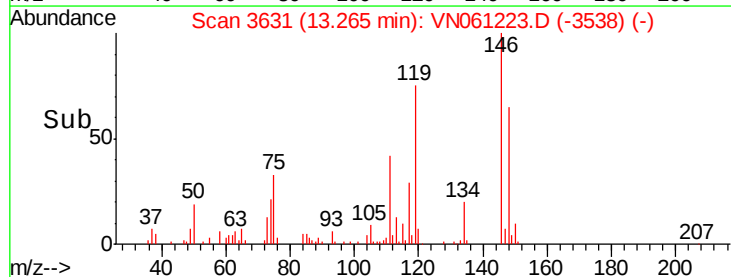
40000

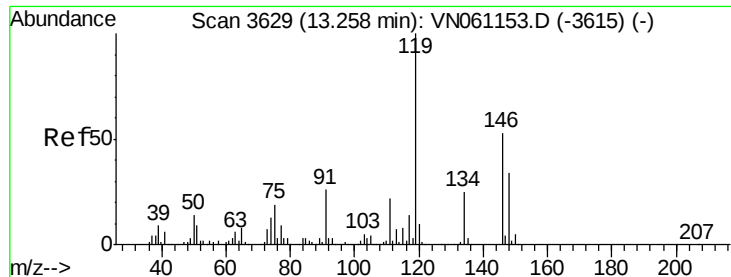
20000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.281 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0501WBS01

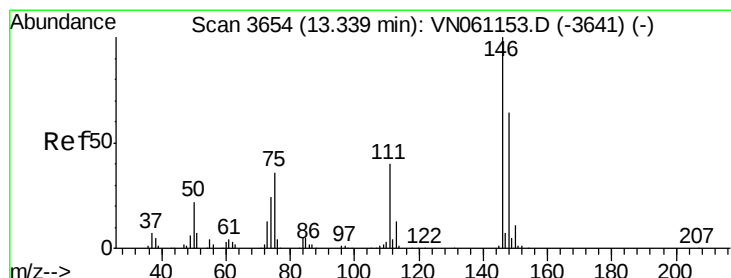
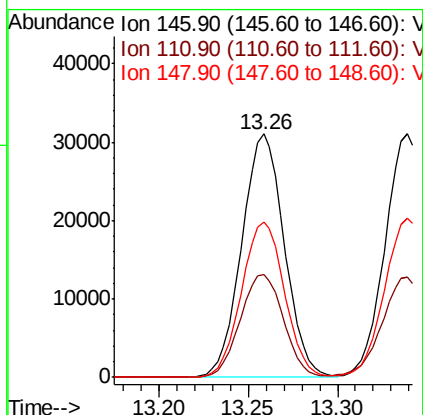
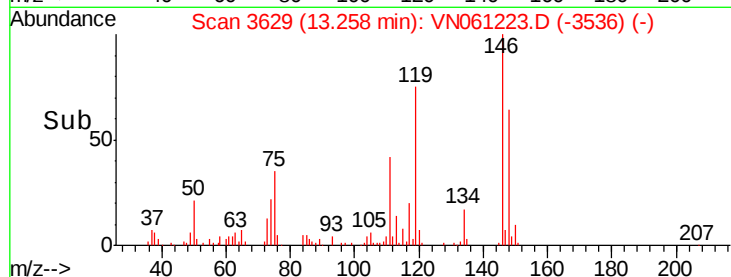
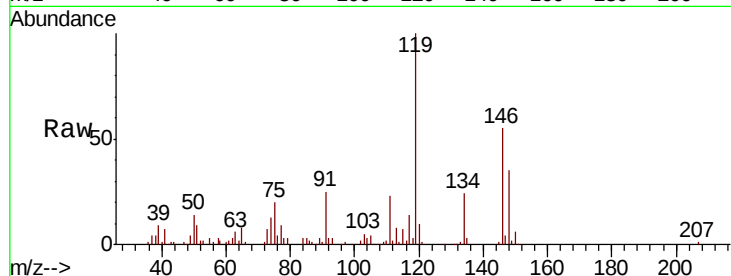
Tot Ion:146 Resp: 51686

Ion Ratio Lower Upper

146 100

111 42.8 20.7 62.1

148 64.2 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 18.063 ug/l

RT: 13.34 min Scan# 3654

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

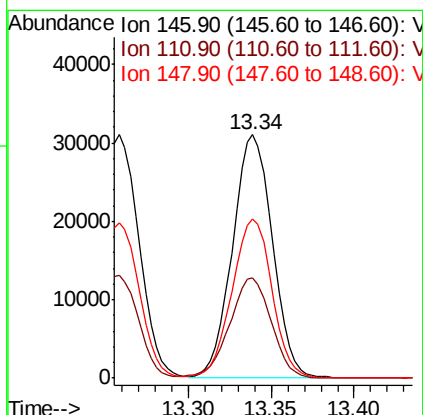
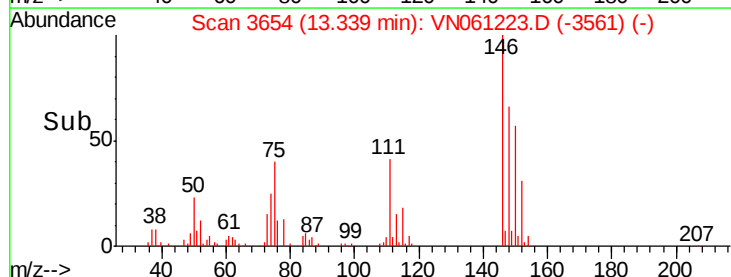
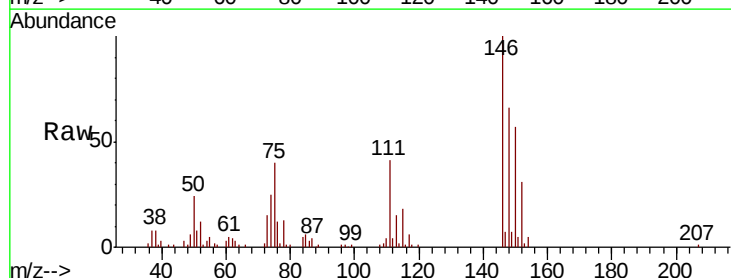
Tgt Ion:146 Resp: 52179

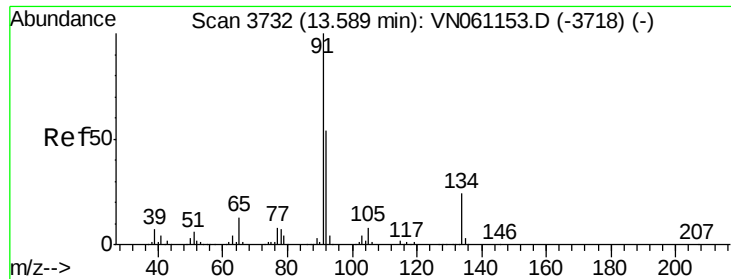
Ion Ratio Lower Upper

146 100

111 42.9 20.4 61.3

148 65.3 31.9 95.7

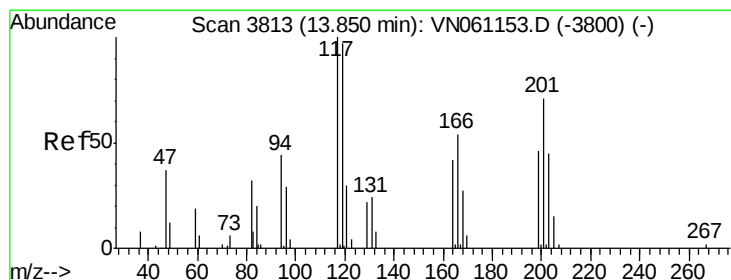
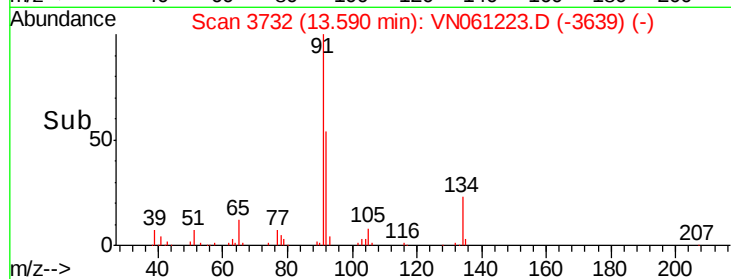
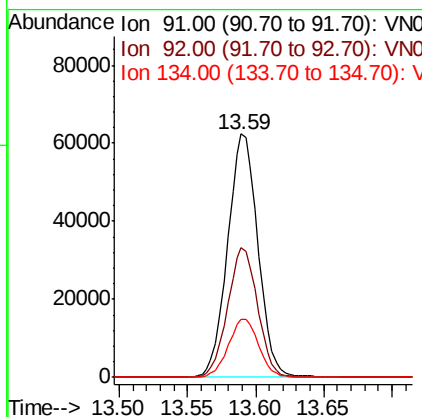
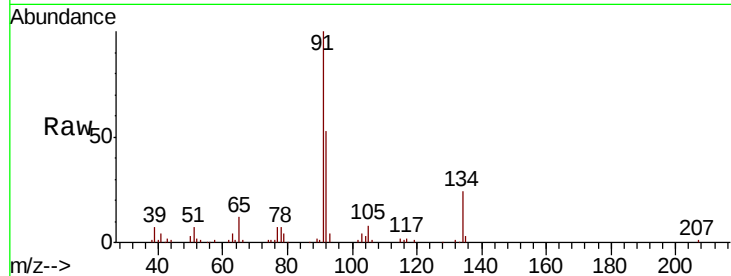




#89
n-Butylbenzene
Concen: 18.368 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

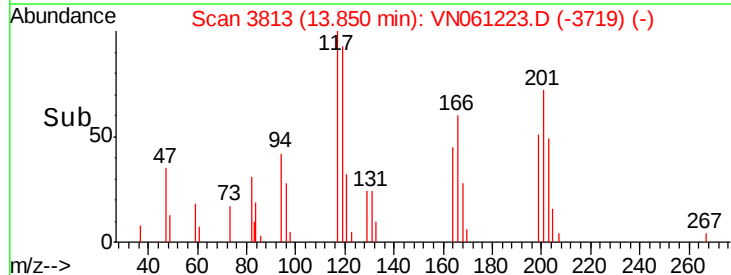
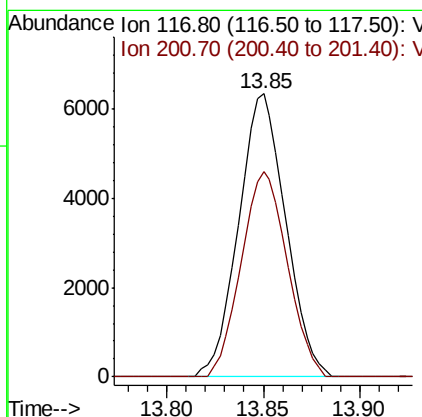
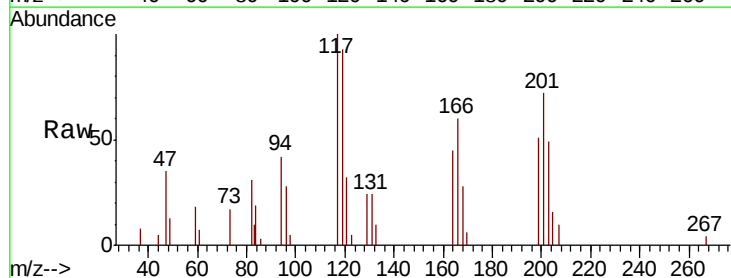
Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

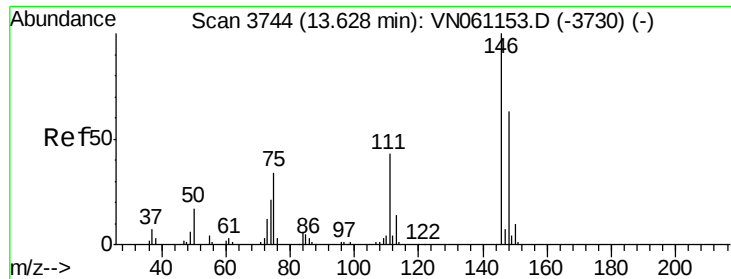
Tot Ion: 91 Resp: 96038
Ion Ratio Lower Upper
91 100
92 52.8 26.8 80.3
134 23.9 11.9 35.5



#90
Hexachloroethane
Concen: 22.882 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061223.D
Acq: 1 May 2020 12:15

Tgt Ion: 117 Resp: 10709
Ion Ratio Lower Upper
117 100
201 71.0 35.5 106.7





#91

1,2-Dichlorobenzene

Concen: 18.573 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

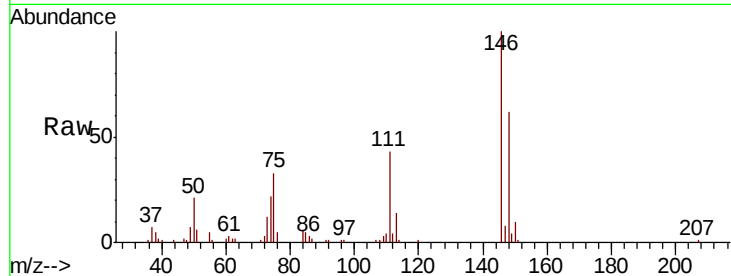
Tot Ion:146 Resp: 50349

Ion Ratio Lower Upper

146 100

111 43.3 21.8 65.3

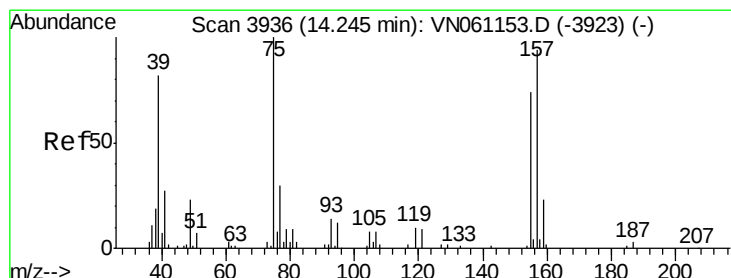
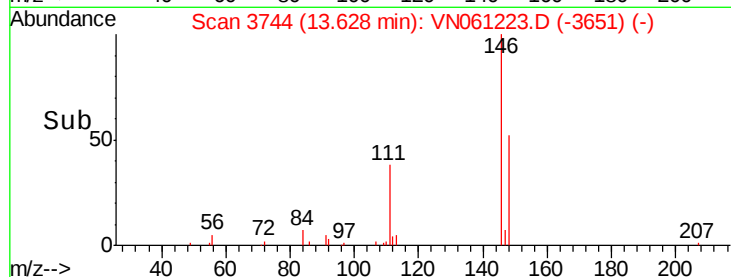
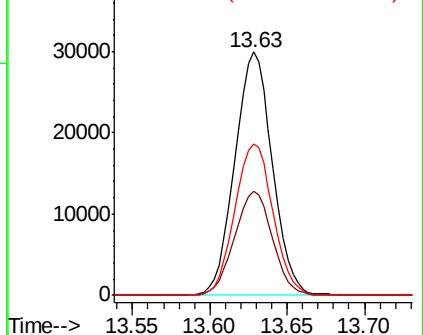
148 63.4 31.6 95.0



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: 17.543 ug/l

RT: 14.25 min Scan# 3936

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

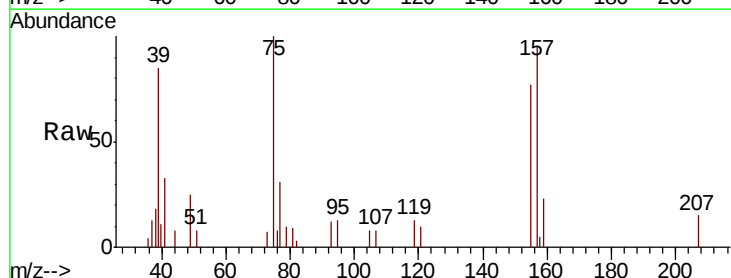
Tgt Ion: 75 Resp: 7686

Ion Ratio Lower Upper

75 100

155 69.9 36.5 109.7

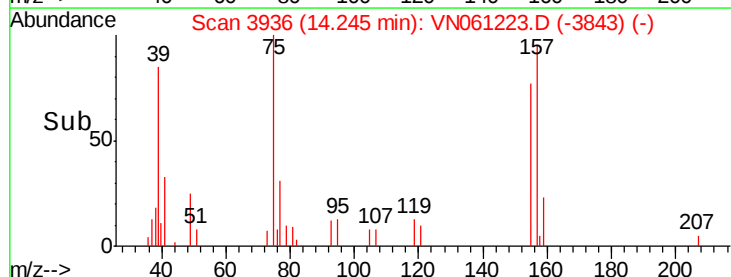
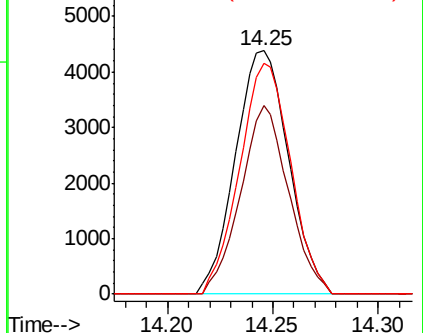
157 91.0 46.6 139.7



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

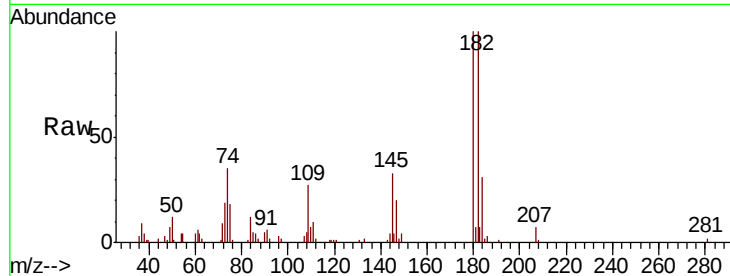




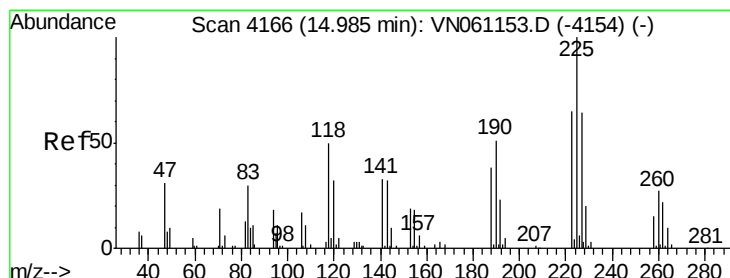
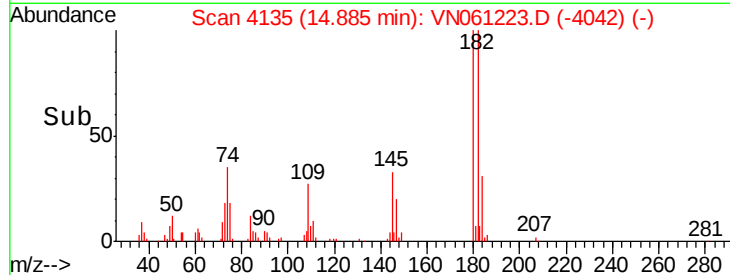
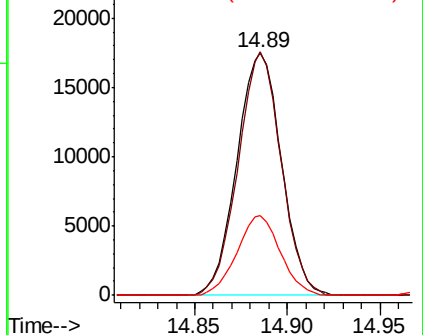
#93
 1,2,4-Trichlorobenzene
 Concen: 17.697 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.9
145	31.9	16.0	47.9

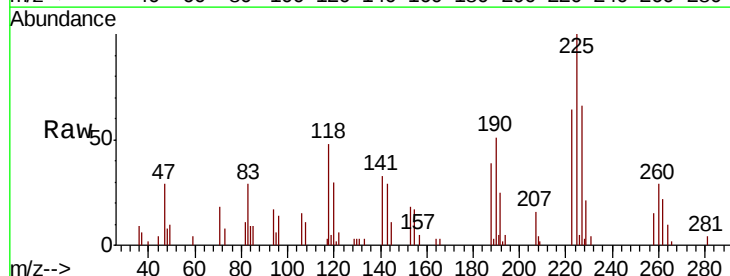


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

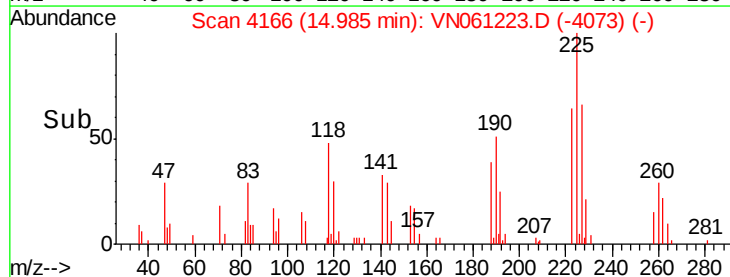
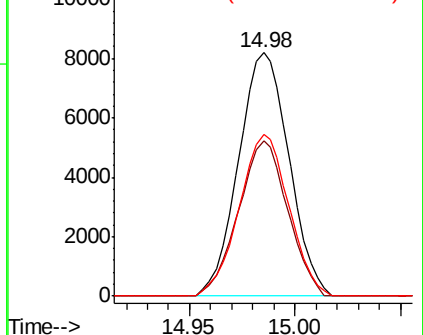


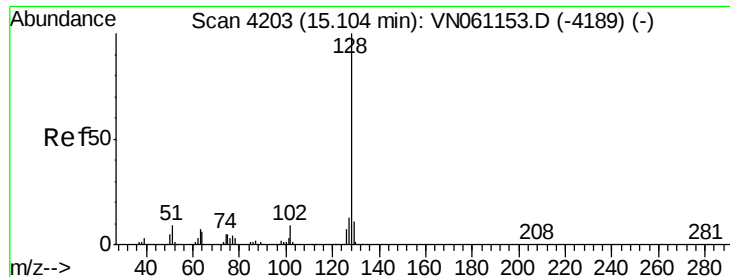
#94
 Hexachlorobutadiene
 Concen: 19.775 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061223.D
 Acq: 1 May 2020 12:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.4	97.0
227	65.4	32.4	97.0



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





#95

Naphthalene

Concen: 16.126 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBS01

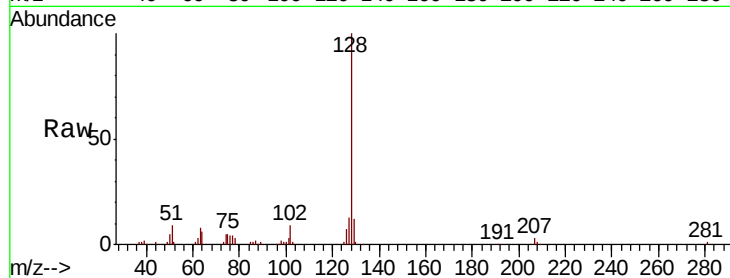
Tot Ion:128 Resp: 86697

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

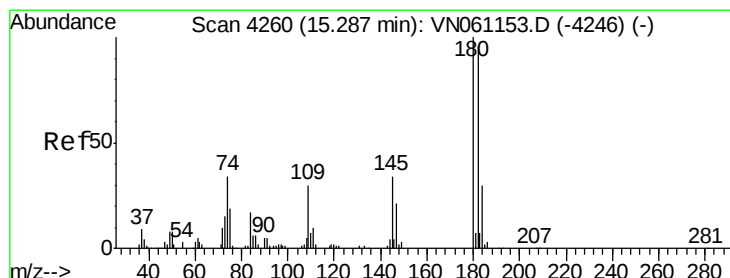
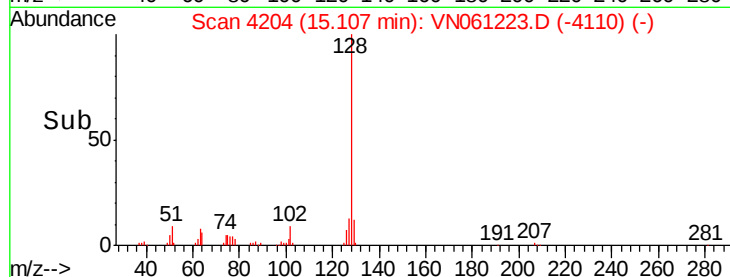
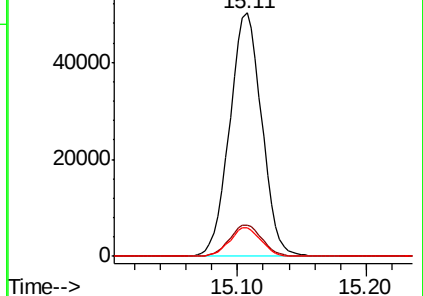
129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.744 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061223.D

Acq: 1 May 2020 12:15

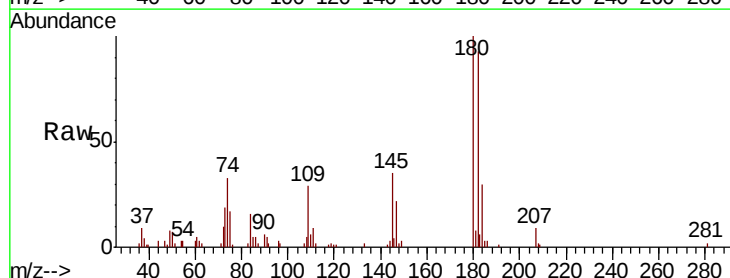
Tgt Ion:180 Resp: 28920

Ion Ratio Lower Upper

180 100

182 94.5 47.5 142.5

145 33.5 16.9 50.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

