

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061396.D
 Acq On : 14 May 2020 15:46
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 14 16:06:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 15:40:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	22587	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	130754	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	120353	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	59127	29.05	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.83%
60) 4-Bromofluorobenzene	12.38	95	63932	31.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.70%
63) Toluene-d8	10.06	98	166334	29.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	159232	156.089	ug/l 99
3) Chloromethane	2.03	50	257599	134.090	ug/l 99
4) Vinyl Chloride	2.16	62	351551	137.067	ug/l 98
5) Bromomethane	2.53	94	169586	128.697	ug/l 98
6) Chloroethane	2.67	64	227323	129.685	ug/l 99
7) Trichlorofluoromethane	2.98	101	374666	136.357	ug/l 100
8) Diethyl Ether	3.37	74	126864	147.337	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	171367	148.391	ug/l 94
10) 1,1-Dichloroethene	3.70	96	180311	148.280	ug/l 99
11) Methyl Iodide	3.91	142	206032	158.738	ug/l 99
12) Methyl Acetate	4.27	43	218517	147.882	ug/l 99
13) Acrolein	3.56	56	164203	642.970	ug/l 99
14) Acrylonitrile	4.93	53	511954	737.802	ug/l 97
15) Acetone	3.77	58	113230	666.587	ug/l 99
16) Carbon Disulfide	4.01	76	423079	118.909	ug/l 100
17) Allyl chloride	4.27	41	358034	145.787	ug/l 100
18) Methylene Chloride	4.50	84	220254	150.538	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	218773	151.898	ug/l 93
20) Diisopropyl ether	5.90	45	829437	144.914	ug/l 92
21) 1,1-Dichloroethane	5.80	63	437367	146.685	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	252648	149.035	ug/l 98
23) tert-Butyl Alcohol	4.73	59	156437	695.336	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	736673	149.519	ug/l 100
25) Chloroform	7.33	83	424557	146.939	ug/l 97
26) Cyclohexane	7.61	56	402323	140.052	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	336159	145.658	ug/l 99
30) 2-Butanone	6.78	43	700099	714.470	ug/l 99
31) 2,2-Dichloropropane	6.78	77	387622	143.311	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	381191	148.110	ug/l 100
33) Carbon Tetrachloride	7.73	117	306954	157.277	ug/l 99
34) Benzene	8.00	78	953756	146.180	ug/l # 91
35) Methacrylonitrile	7.12	41	140149	142.527	ug/l 87
36) 1,2-Dichloroethane	8.09	62	363584	144.923	ug/l 100
37) Trichloroethene	8.80	130	241689	151.521	ug/l 99
38) Methylcyclohexane	9.05	83	400453	144.276	ug/l 97
39) 1,2-Dichloropropane	9.08	63	255876	141.819	ug/l 98
40) Dibromomethane	9.18	93	164661	149.236	ug/l 92

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

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

41) Bromodichloromethane	9.37	83	354966	148.065	ug/l	99
42) Vinyl Acetate	5.84	43	3388555	731.544	ug/l	98
43) Ethyl Acetate	6.88	43	315533	152.754	ug/l #	94
44) Isopropyl Acetate	8.13	43	576093	141.496	ug/l	99
45) 1,4-Dioxane	9.17	88	47292	2971.441	ug/l	95
46) Methyl methacrylate	9.17	41	271279	141.732	ug/l	96
47) n-amyl Acetate	12.04	43	541981	151.198	ug/l	95
48) t-1,3-Dichloropropene	10.35	75	425749	151.100	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	439589	146.612	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	226665	148.409	ug/l	99
51) Ethyl methacrylate	10.40	69	391643	148.951	ug/l	95
52) 1,3-Dichloropropane	10.68	76	411035	147.137	ug/l	99
53) Dibromochloromethane	10.87	129	257189	155.050	ug/l	100
54) 1,2-Dibromoethane	10.98	107	236273	150.311	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	898933	779.709	ug/l	99
56) Bromoform	12.10	173	169668	164.733	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	1612267	731.519	ug/l	99
59) 2-Hexanone	10.72	43	1153301	741.825	ug/l	99
61) Tetrachloroethene	10.60	164	231193	154.544	ug/l	96
62) Toluene	10.12	91	1056652	151.775	ug/l	97
64) Chlorobenzene	11.41	112	635568	154.875	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	233159	155.651	ug/l	98
66) Ethyl Benzene	11.48	91	1220018	152.933	ug/l	99
67) m/p-Xylenes	11.60	106	921722	314.728	ug/l	99
68) o-Xylene	11.92	106	440427	157.628	ug/l	99
69) Styrene	11.94	104	783639	164.465	ug/l	98
70) Isopropylbenzene	12.22	105	1186125	156.425	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	312010	147.116	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	458873	231.166	ug/l	66
73) Bromobenzene	12.50	156	252019	160.978	ug/l	95
74) n-propylbenzene	12.57	91	1397796	154.687	ug/l	100
75) 2-Chlorotoluene	12.65	91	802700	154.958	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	998502	157.046	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	134296	162.880	ug/l	95
78) 4-Chlorotoluene	12.75	91	861895	159.942	ug/l	99
79) tert-butylbenzene	12.97	119	823524	155.635	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	1001144	157.940	ug/l	99
81) sec-Butylbenzene	13.15	105	1146670	157.741	ug/l	99
82) p-Isopropyltoluene	13.26	119	1043432	159.845	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	479367	165.795	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	473040	165.173	ug/l	99
85) n-Butylbenzene	13.59	91	966816	160.018	ug/l	98
86) Hexachloroethane	13.85	117	147669	162.942	ug/l	84
87) 1,2-Dichlorobenzene	13.63	146	446255	161.875	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	67278	149.265	ug/l	98
89) 1,2,4-Trichlorobenzene	14.89	180	269145	172.242	ug/l	98
90) Hexachlorobutadiene	14.99	225	102360	157.792	ug/l	98
91) Naphthalene	15.10	128	850173	173.189	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	255574	167.323	ug/l	98

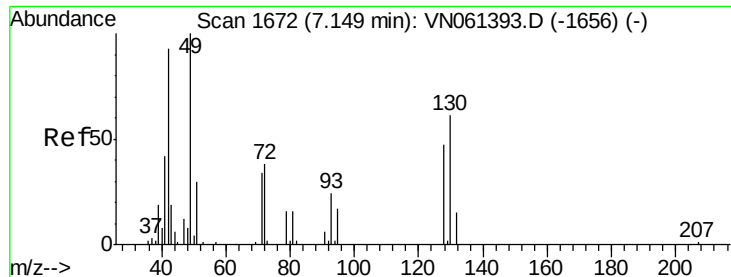
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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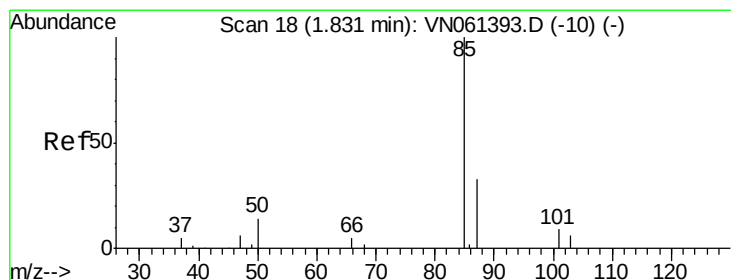
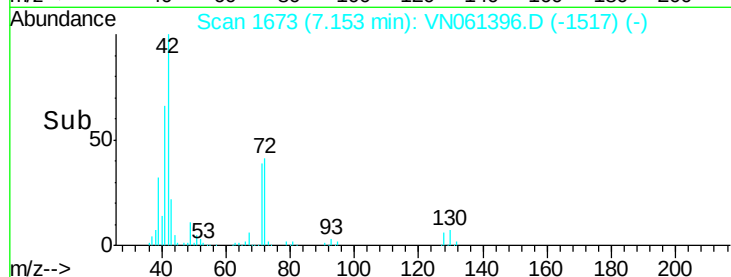
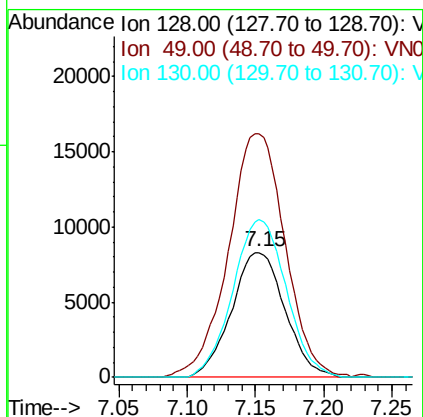
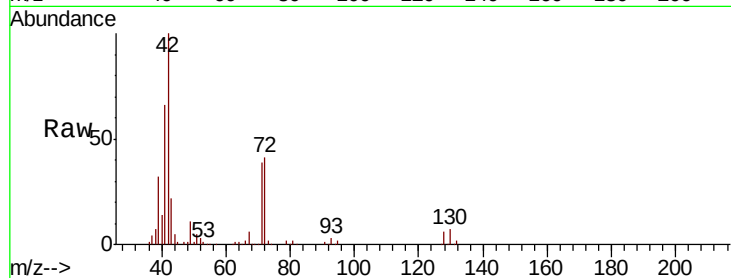
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

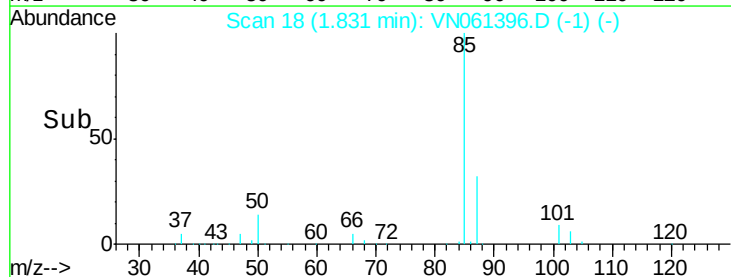
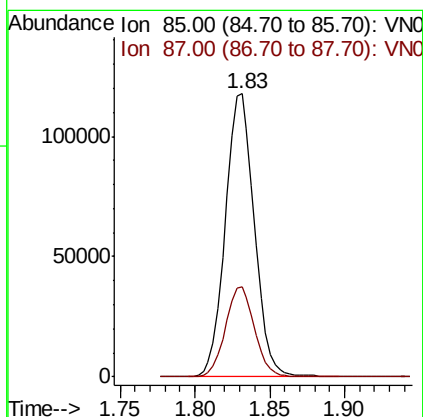
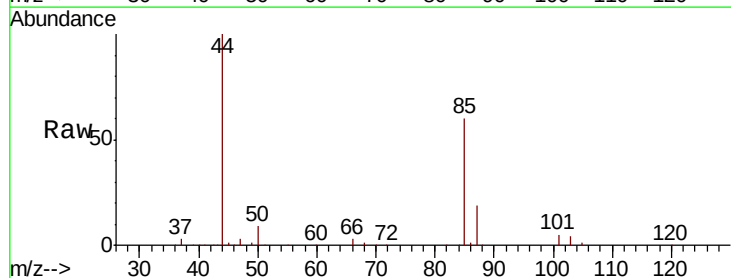
Instrument :
MSVOA_N
ClientSampled :

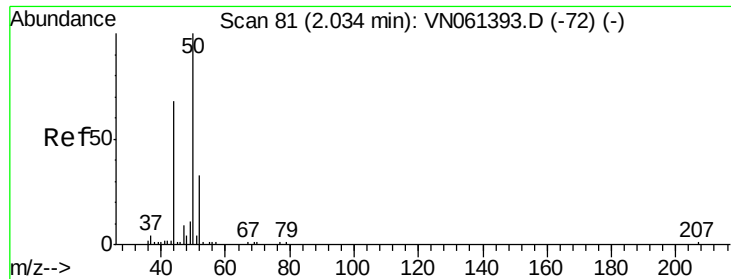
Tot Ion:128 Resp: 22587
Ion Ratio Lower Upper
128 100
49 207.1 0.0 453.5
130 126.7 0.0 314.2



#2
Dichlorodifluoromethane
Concen: 156.089 ug/l
RT: 1.83 min Scan# 18
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion: 85 Resp: 159232
Ion Ratio Lower Upper
85 100
87 31.9 15.7 47.0





#3

Chloromethane

Concen: 134.090 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

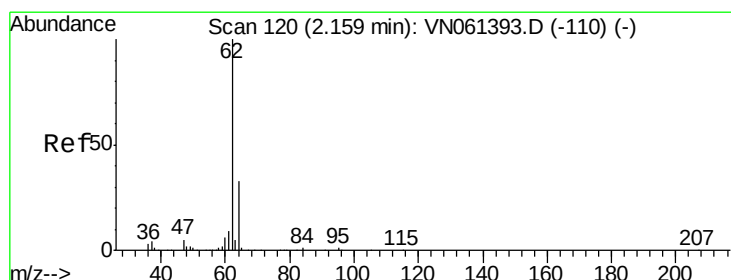
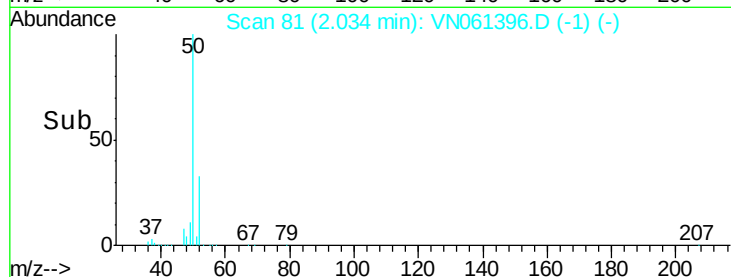
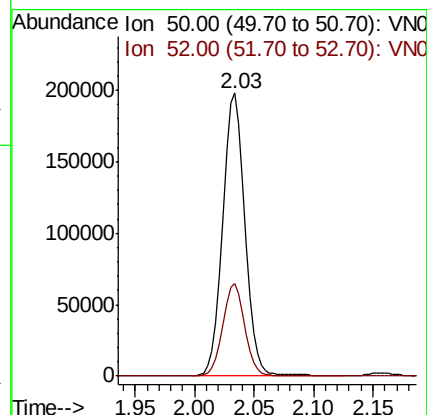
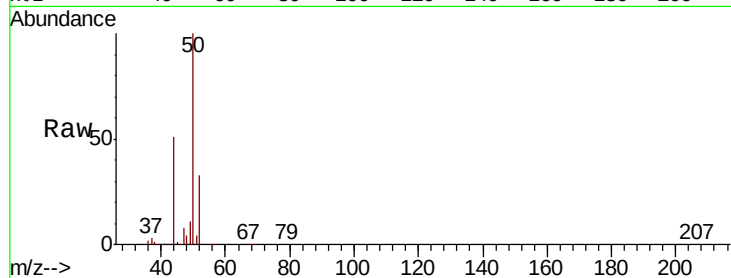
ClientSampleId :

Tot Ion: 50 Resp: 257599

Ion Ratio Lower Upper

50 100

52 32.9 25.8 38.8



#4

Vinyl Chloride

Concen: 137.067 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061396.D

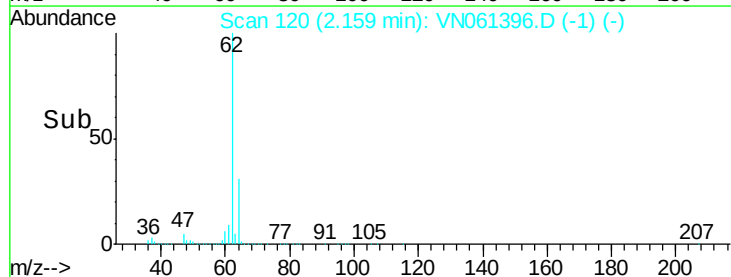
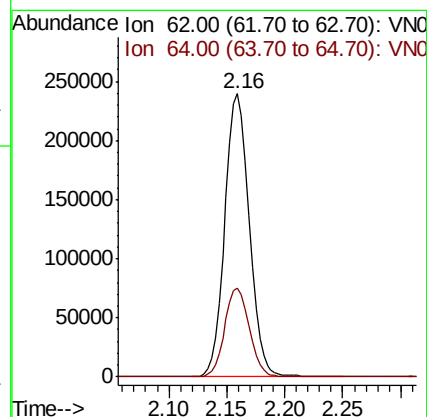
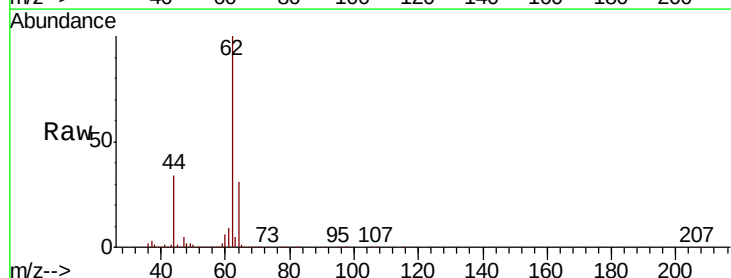
Acq: 14 May 2020 15:46

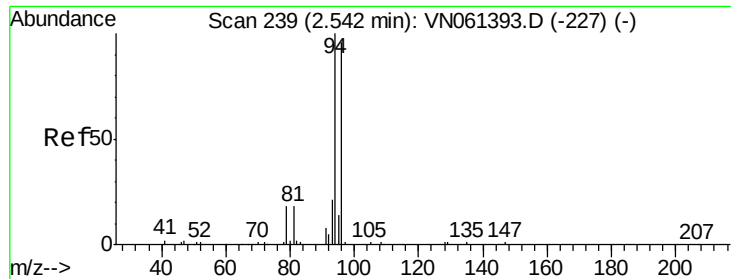
Tgt Ion: 62 Resp: 351551

Ion Ratio Lower Upper

62 100

64 31.4 26.1 39.1





#5

Bromomethane

Concen: 128.697 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.02 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

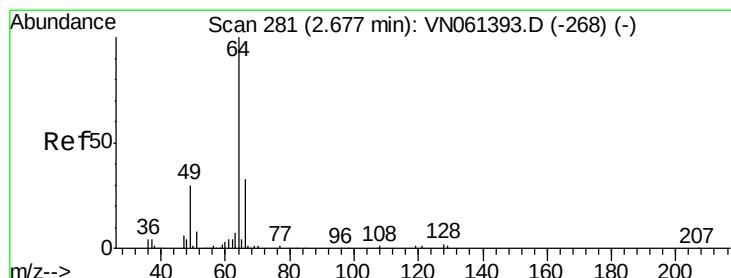
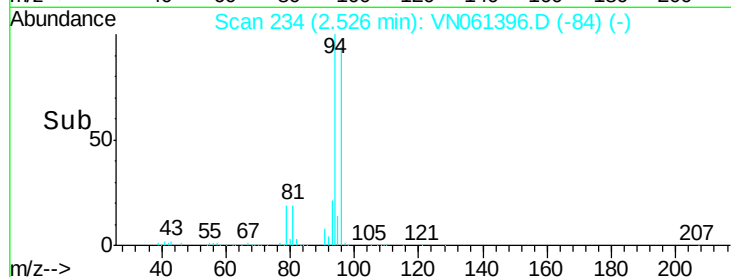
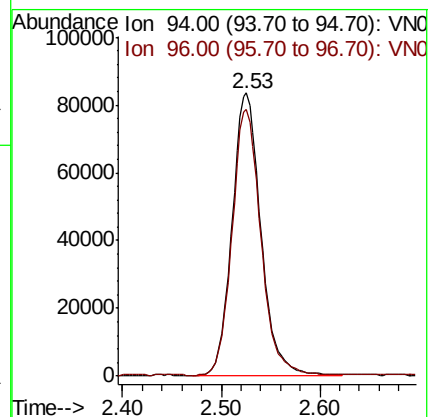
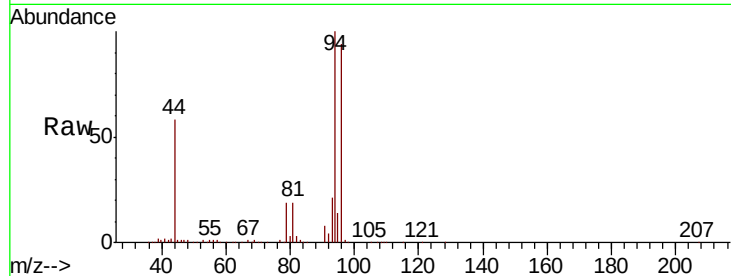
ClientSampleId :

Tot Ion: 94 Resp: 169586

Ion Ratio Lower Upper

94 100

96 94.0 73.7 110.5



#6

Chloroethane

Concen: 129.685 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN061396.D

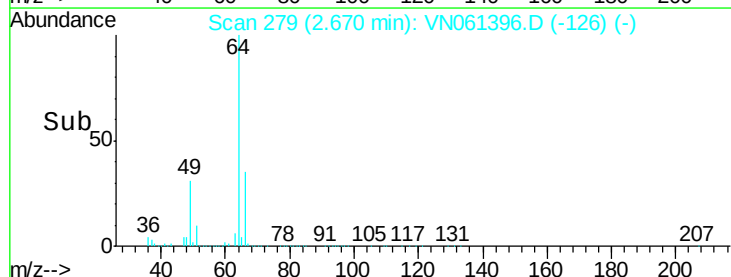
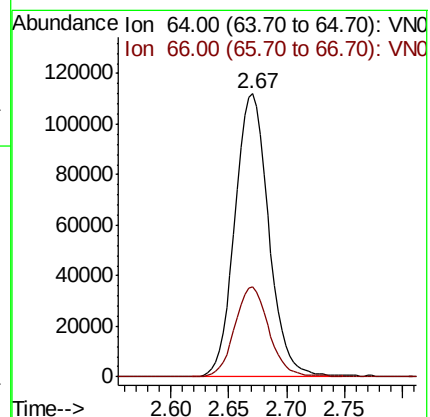
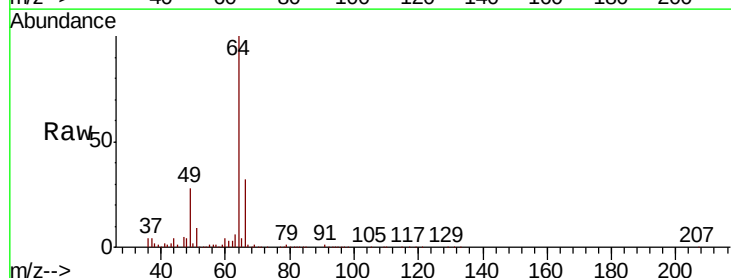
Acq: 14 May 2020 15:46

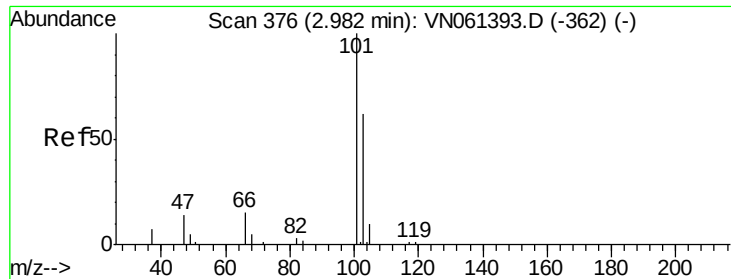
Tgt Ion: 64 Resp: 227323

Ion Ratio Lower Upper

64 100

66 31.4 24.6 36.8



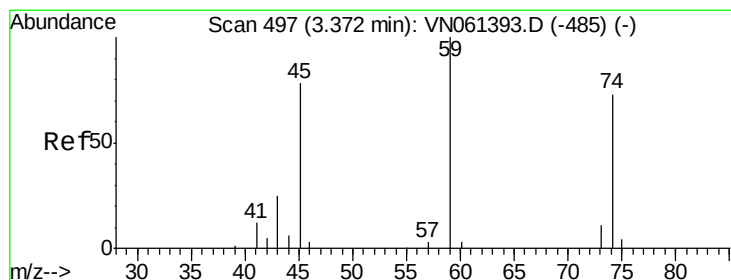
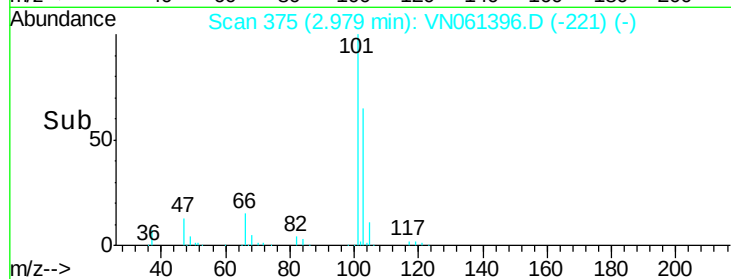
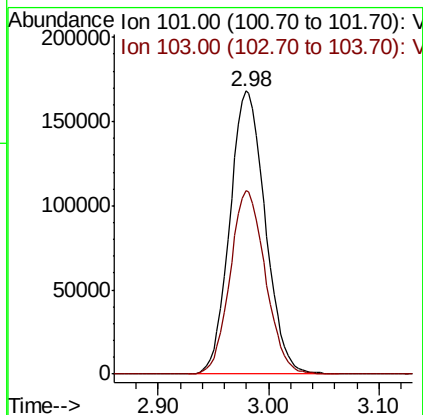
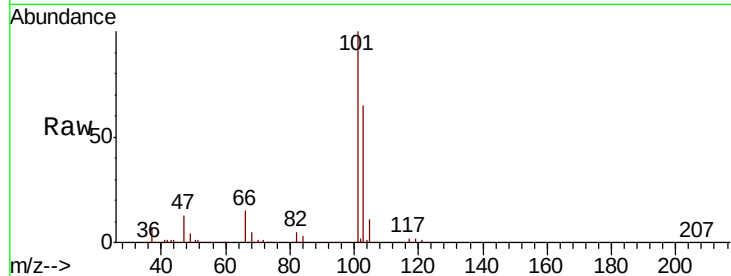


#7

Trichlorofluoromethane
 Concen: 136.357 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampleId :

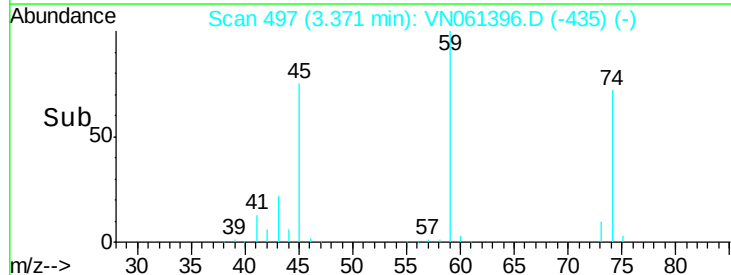
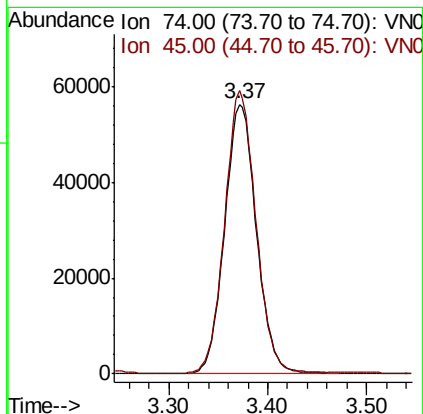
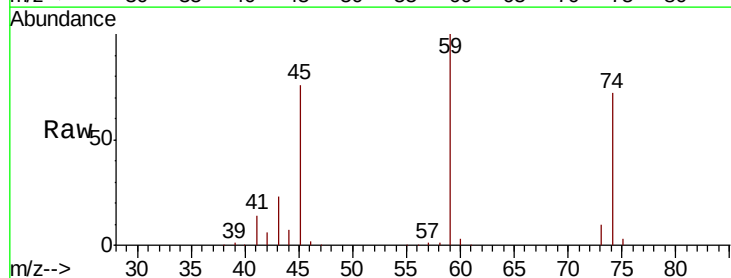
Tot Ion:101 Resp: 374666
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.5 77.3

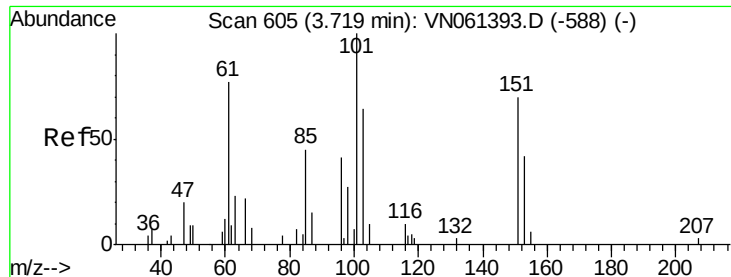


#8

Diethyl Ether
 Concen: 147.337 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion: 74 Resp: 126864
 Ion Ratio Lower Upper
 74 100
 45 103.6 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 148.391 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

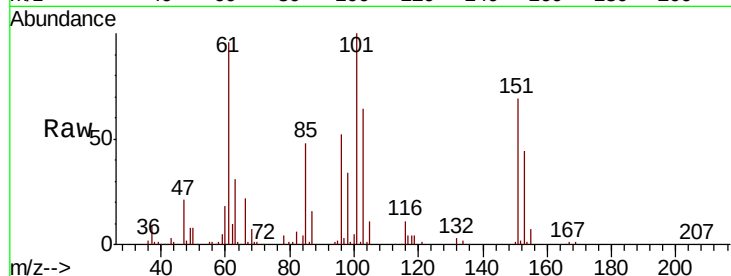
Tot Ion:101 Resp: 171367

Ion Ratio Lower Upper

101 100

85 48.7 0.0 93.8

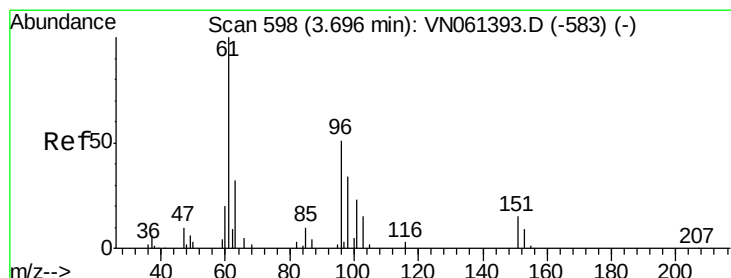
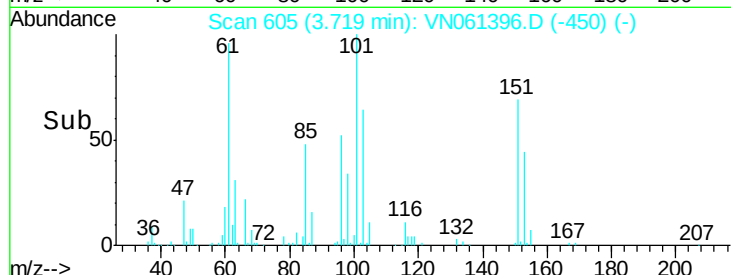
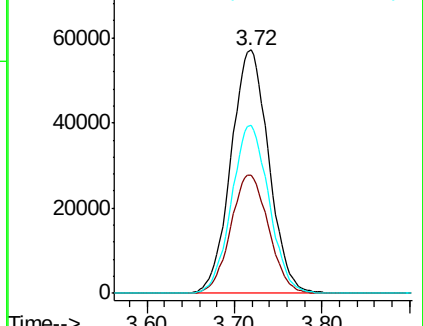
151 68.4 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 148.280 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

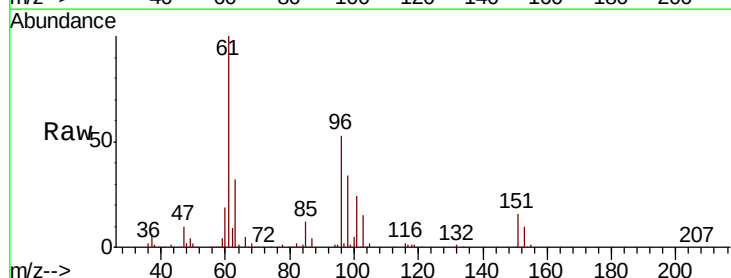
Tgt Ion: 96 Resp: 180311

Ion Ratio Lower Upper

96 100

61 188.0 148.5 222.7

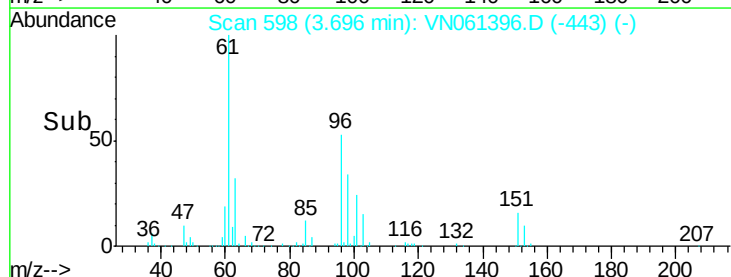
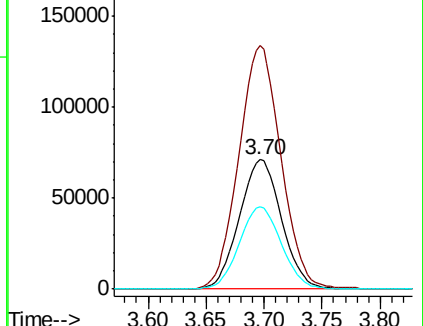
98 63.9 51.0 76.6

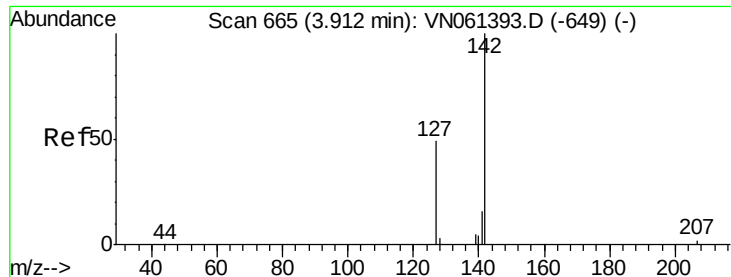


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

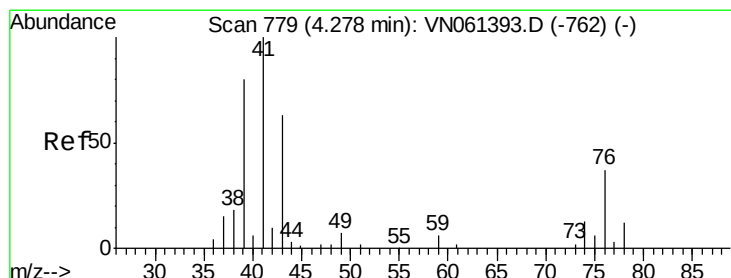
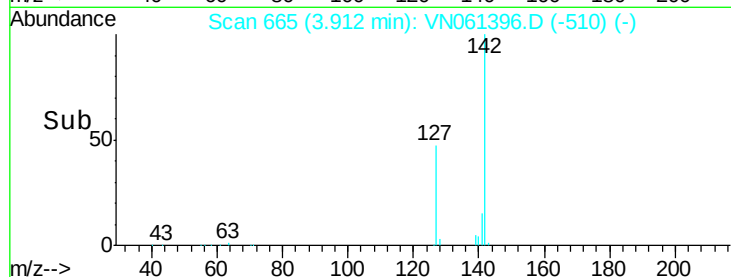
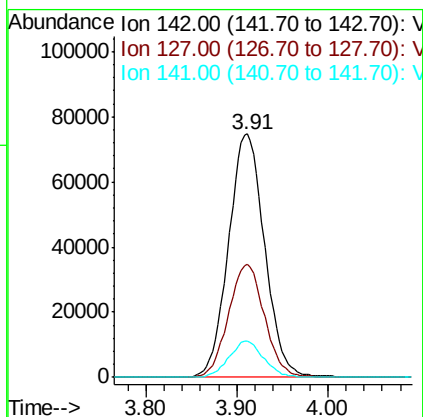
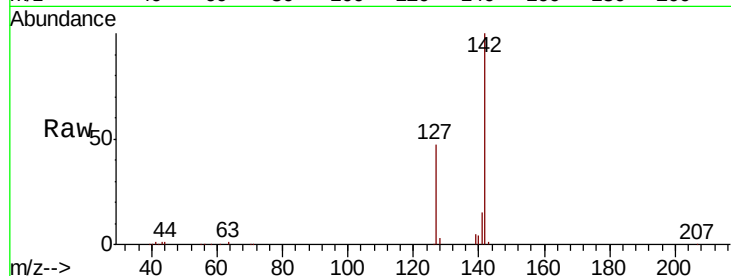




#11
Methvl Iodide
Concen: 158.738 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

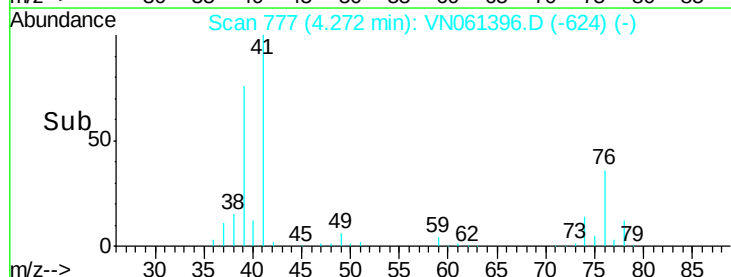
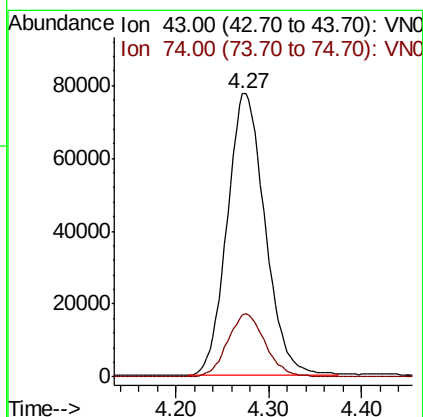
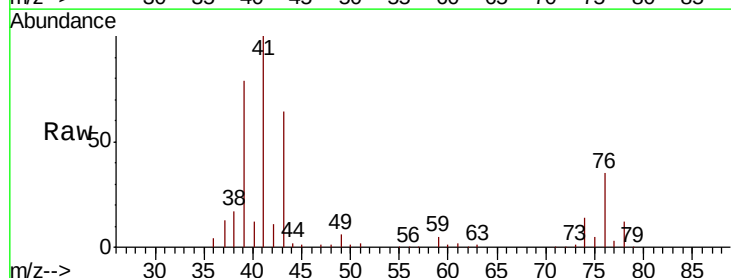
Instrument :
MSVOA_N
ClientSampled :

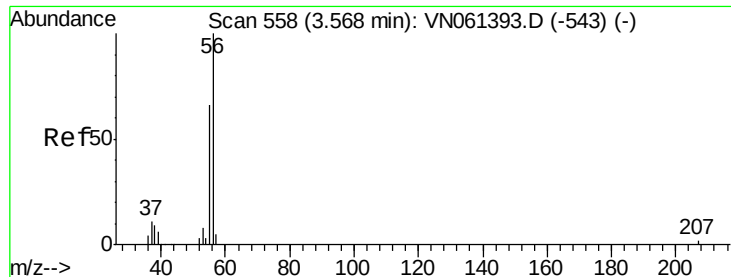
Tot Ion:142 Resp: 206032
Ion Ratio Lower Upper
142 100
127 46.6 23.5 70.6
141 14.8 7.4 22.2



#12
Methyl Acetate
Concen: 147.882 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion: 43 Resp: 218517
Ion Ratio Lower Upper
43 100
74 22.0 18.1 27.1





#13

Acrolein

Concen: 642.970 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

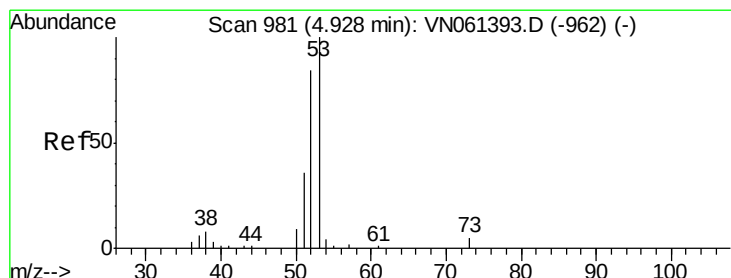
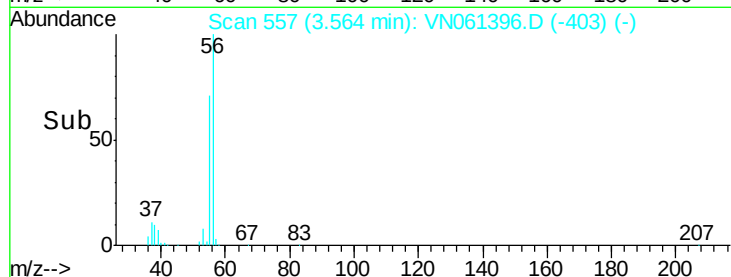
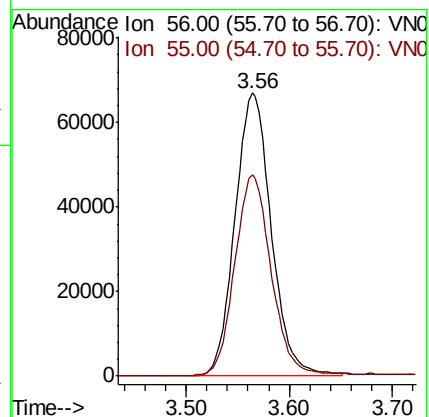
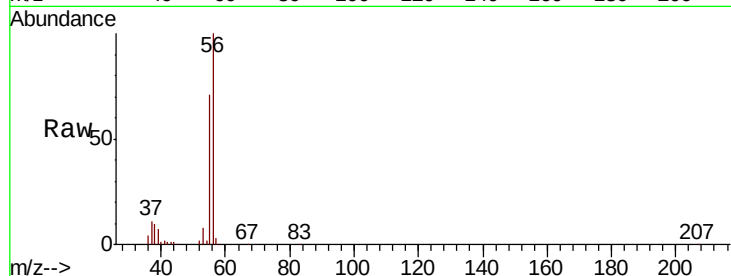
ClientSampleId :

Tot Ion: 56 Resp: 164203

Ion Ratio Lower Upper

56 100

55 70.9 55.9 83.9



#14

Acrylonitrile

Concen: 737.802 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

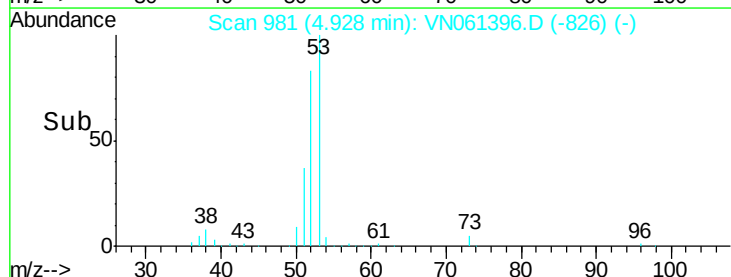
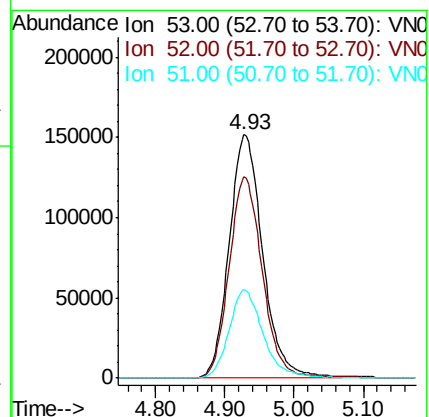
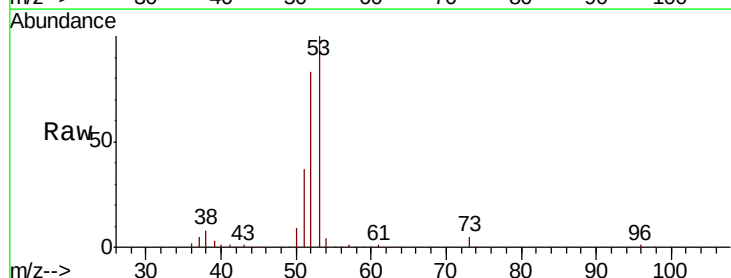
Tgt Ion: 53 Resp: 511954

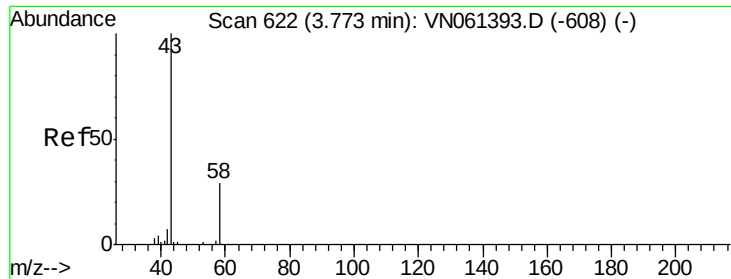
Ion Ratio Lower Upper

53 100

52 81.6 42.2 126.6

51 36.8 18.8 56.4

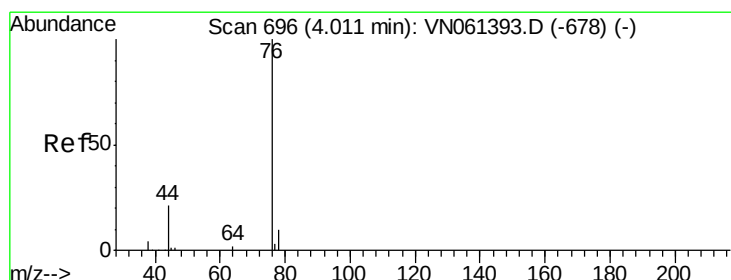
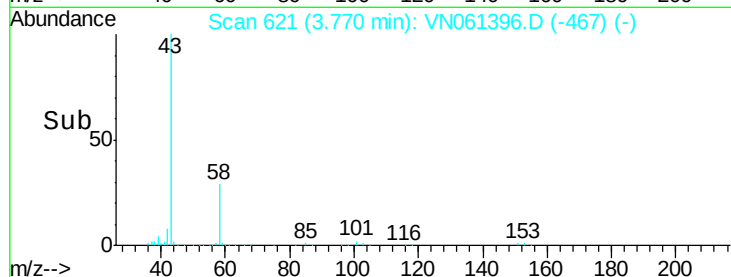
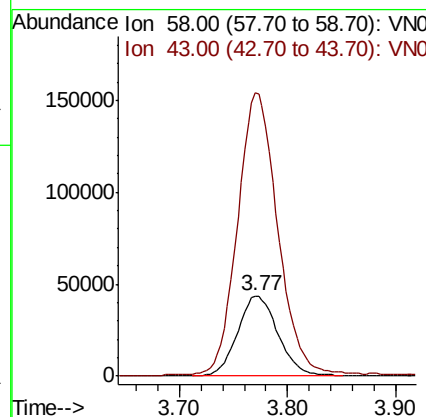
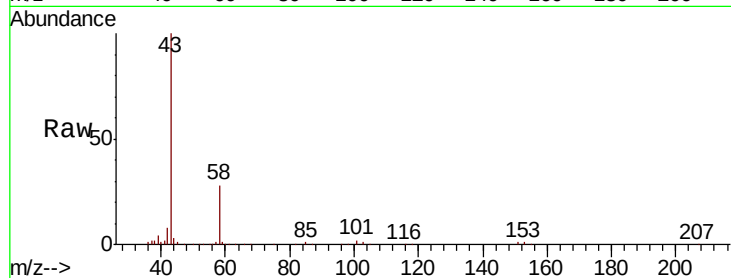




#15
Acetone
Concen: 666.587 ug/l
RT: 3.77 min Scan# 621
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

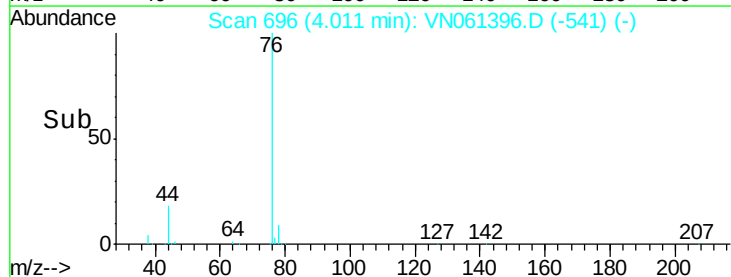
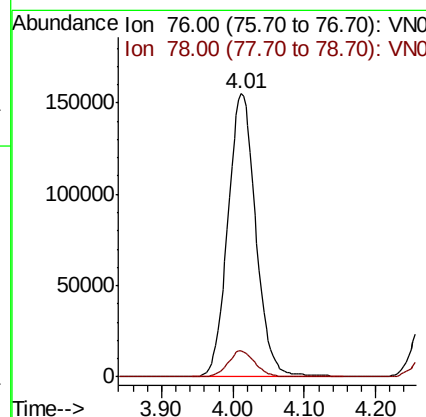
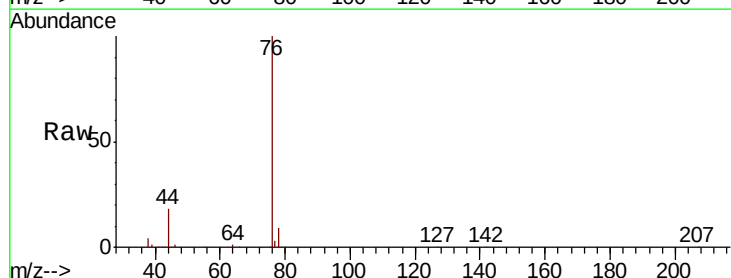
Instrument :
MSVOA_N
ClientSampleId :

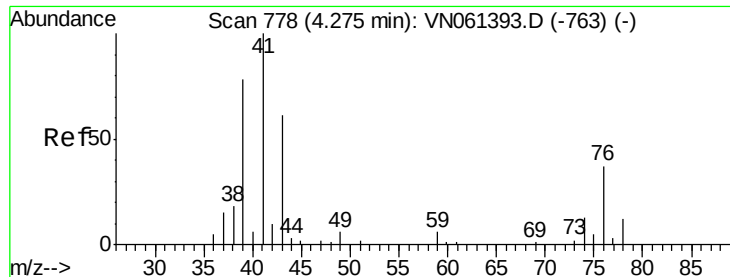
Tot Ion: 58 Resp: 113230
Ion Ratio Lower Upper
58 100
43 351.0 281.7 422.5



#16
Carbon Disulfide
Concen: 118.909 ug/l
RT: 4.01 min Scan# 696
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion: 76 Resp: 423079
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

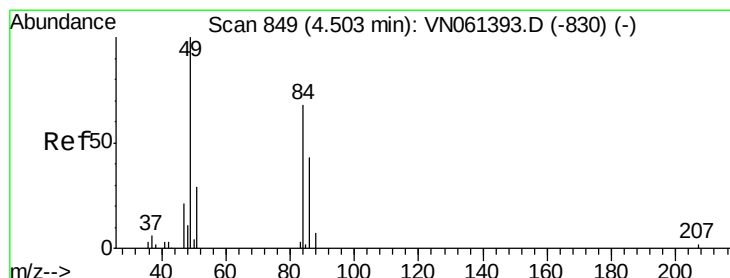
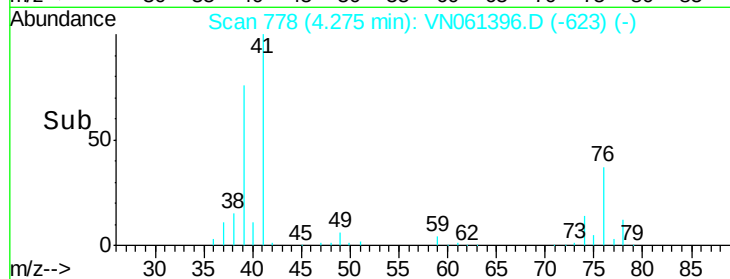
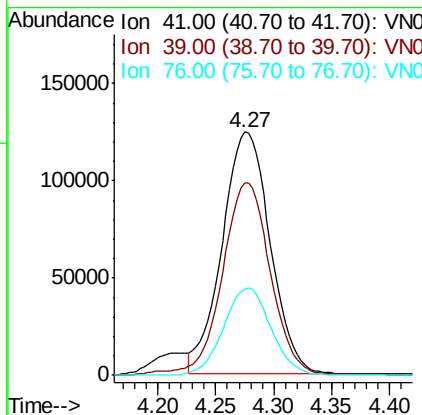
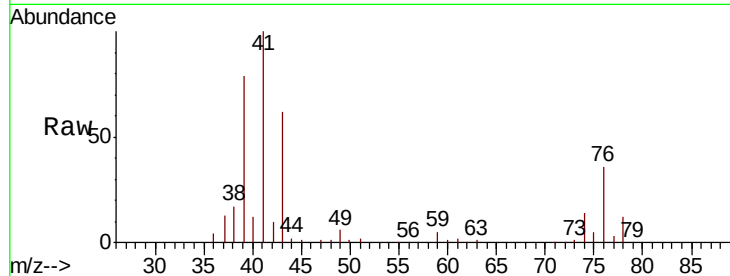




#17
Allvl chloride
Concen: 145.787 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

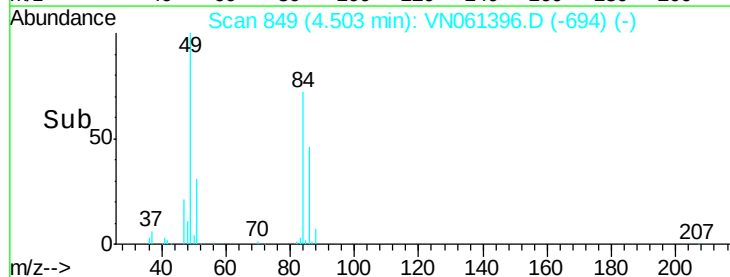
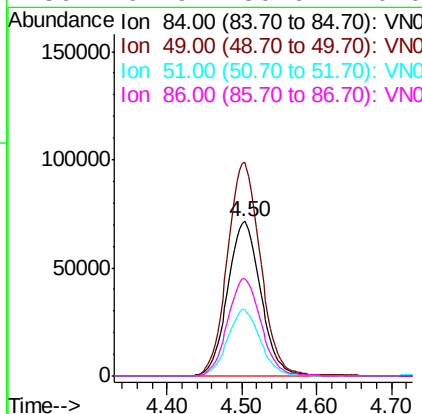
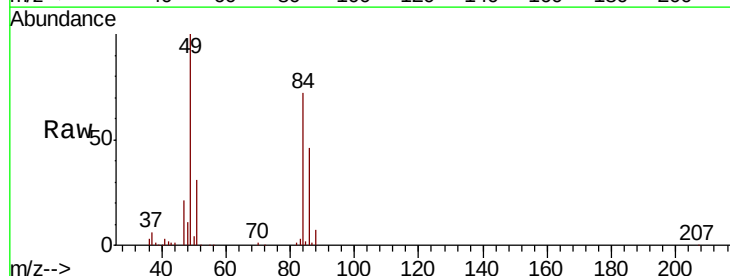
Instrument :
MSVOA_N
ClientSampleId :

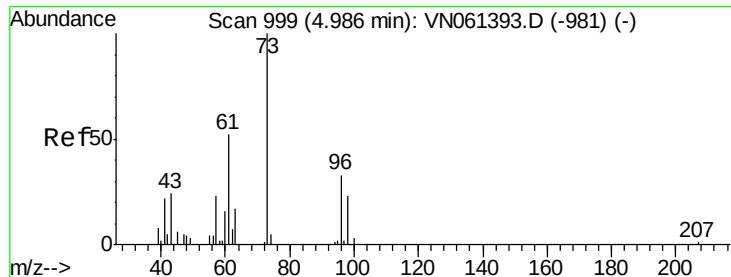
Tot Ion: 41 Resp: 358034
Ion Ratio Lower Upper
41 100
39 79.1 39.6 118.8
76 35.6 17.6 52.9



#18
Methylene Chloride
Concen: 150.538 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion: 84 Resp: 220254
Ion Ratio Lower Upper
84 100
49 137.9 106.6 160.0
51 42.7 32.4 48.6
86 62.9 50.6 76.0





#19

trans-1,2-Dichloroethene

Concen: 151.898 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampled :

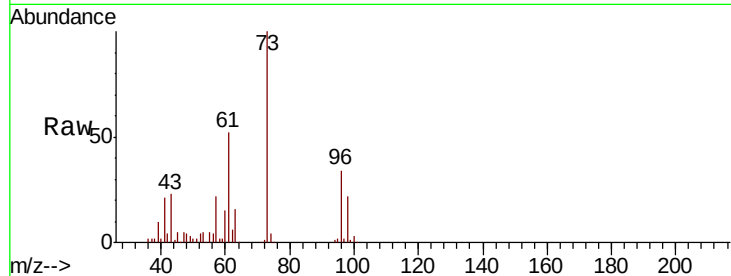
Tot Ion: 96 Resp: 218773

Ion Ratio Lower Upper

96 100

61 152.8 131.8 197.6

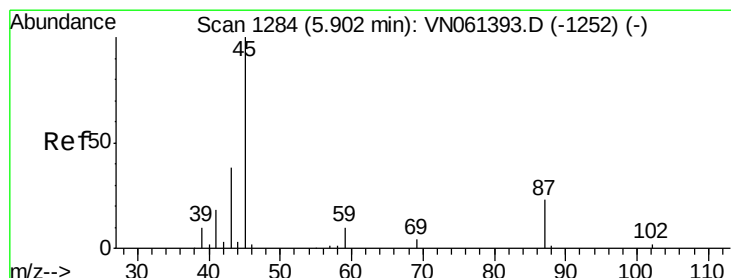
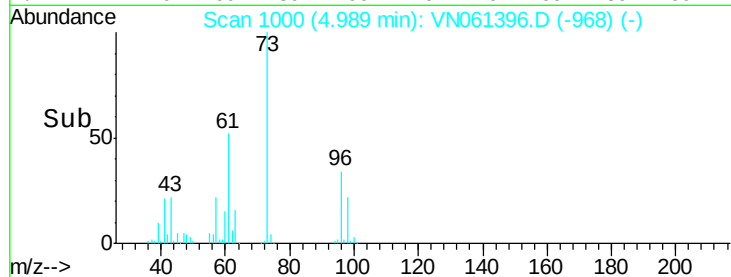
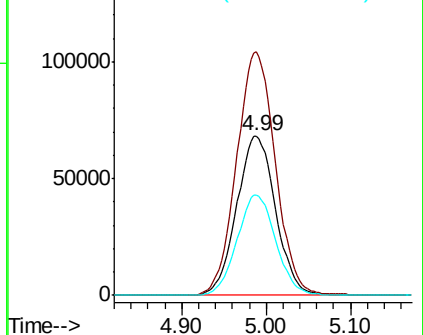
98 63.3 52.6 79.0



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 144.914 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Tgt Ion: 45 Resp: 829437

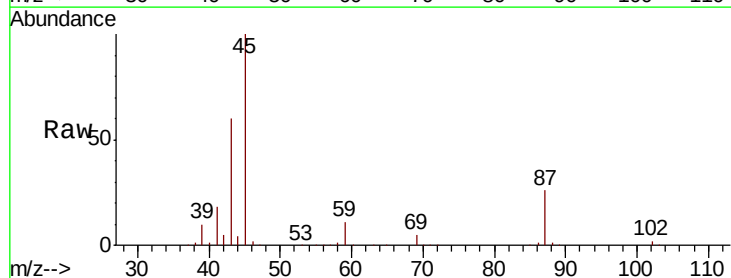
Ion Ratio Lower Upper

45 100

43 59.1 54.7 82.1

87 25.7 21.5 32.3

59 11.1 8.7 13.1

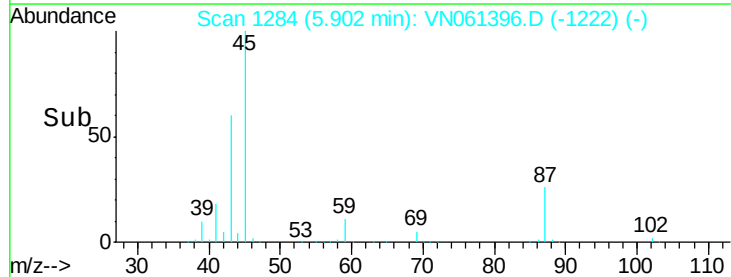
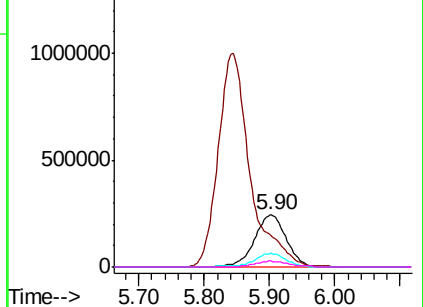


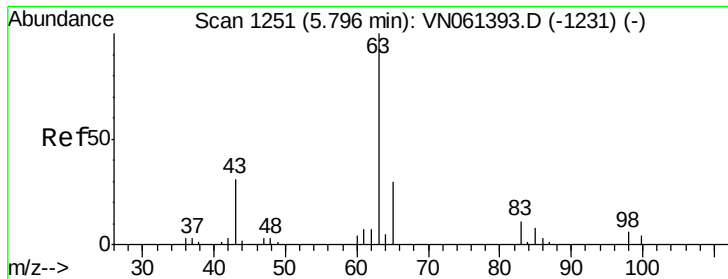
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

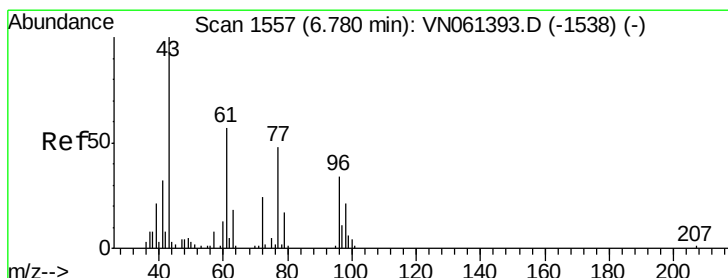
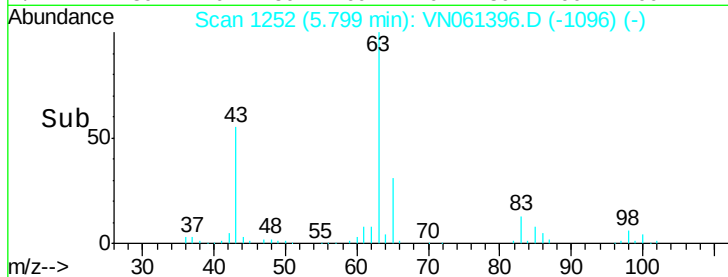
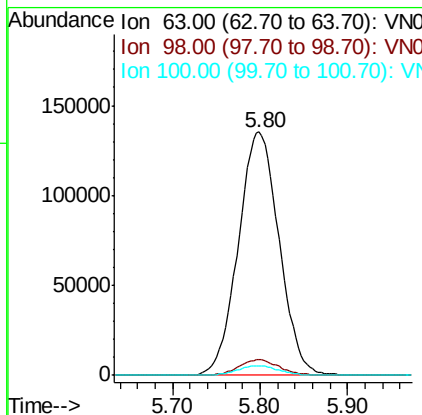
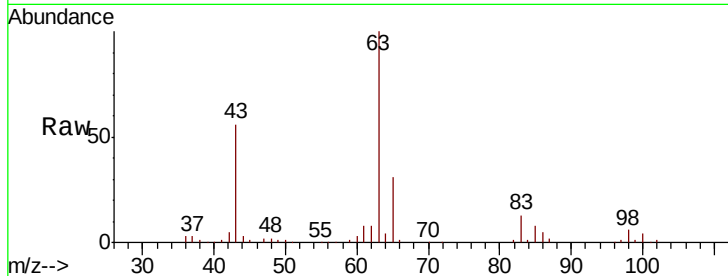




#21
 1,1-Dichloroethane
 Concen: 146.685 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

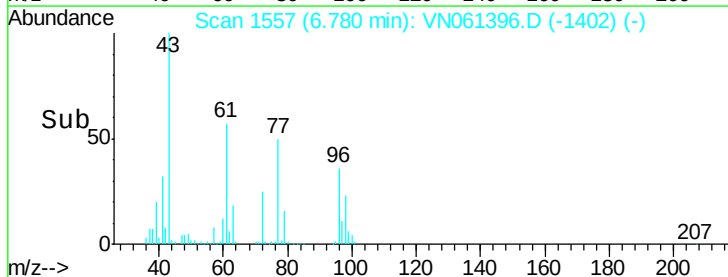
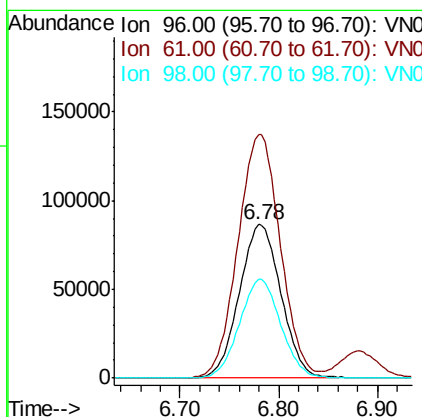
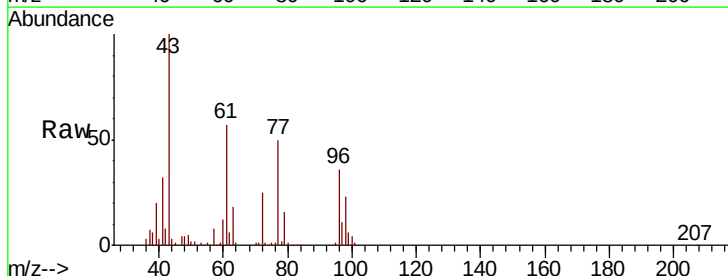
Instrument :
 MSVOA_N
 ClientSampled :

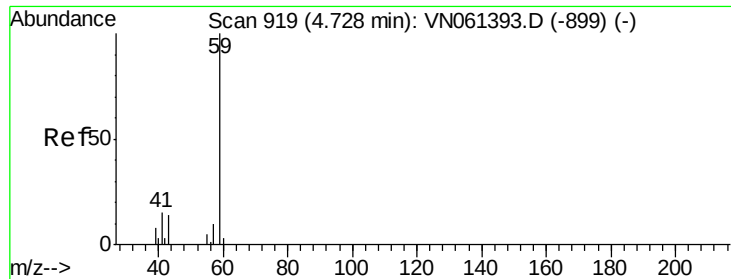
Tot Ion	63	Resp	437367
Ion Ratio	Lower	Upper	
63	100		
98	6.4	2.9	8.6
100	4.0	1.8	5.5



#22
 cis-1,2-Dichloroethene
 Concen: 149.035 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion	96	Resp	252648
Ion Ratio	Lower	Upper	
96	100		
61	161.8	127.2	190.8
98	64.0	50.5	75.7

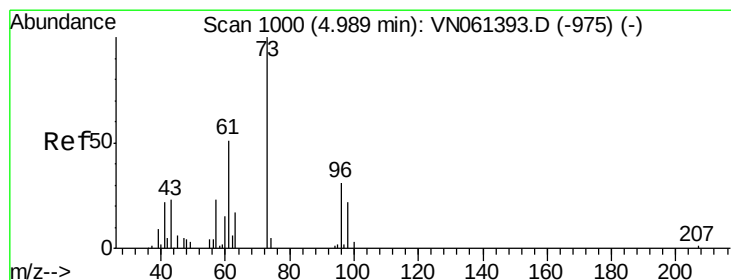
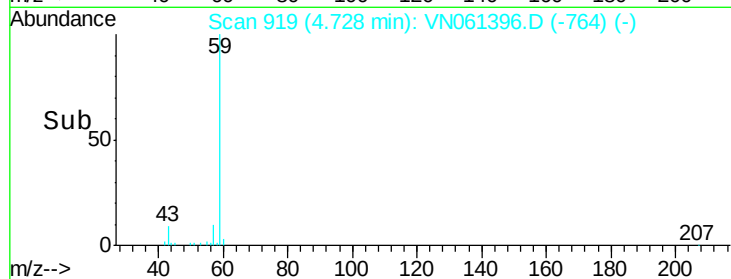
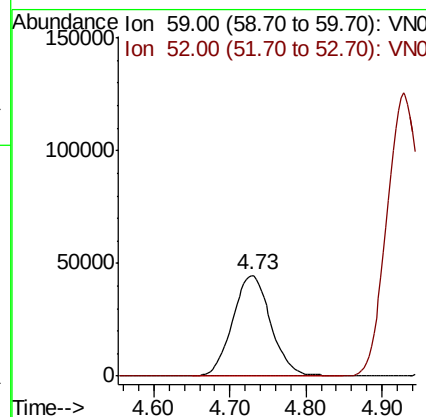
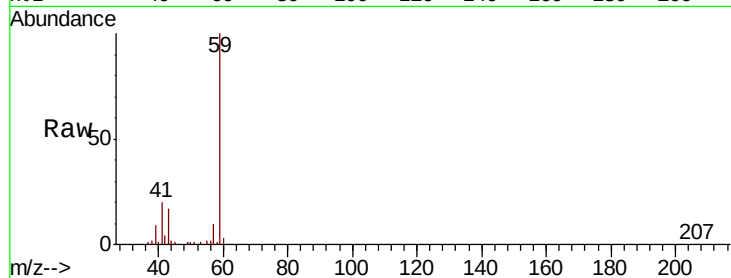




#23
tert-Butyl Alcohol
Concen: 695.336 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

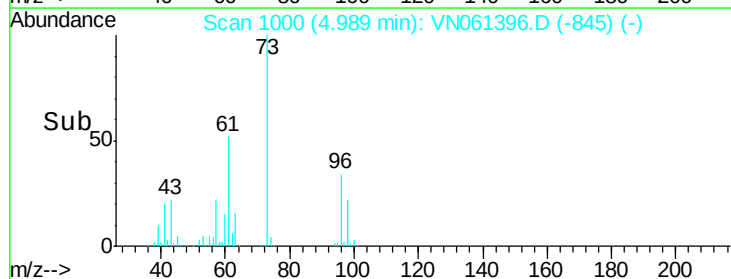
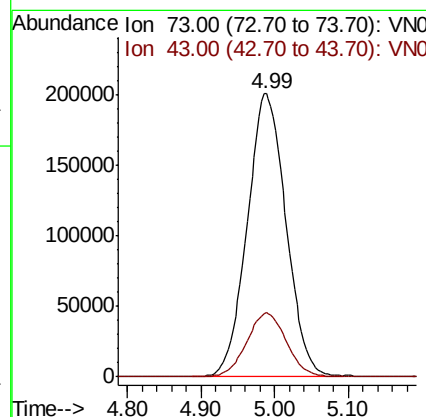
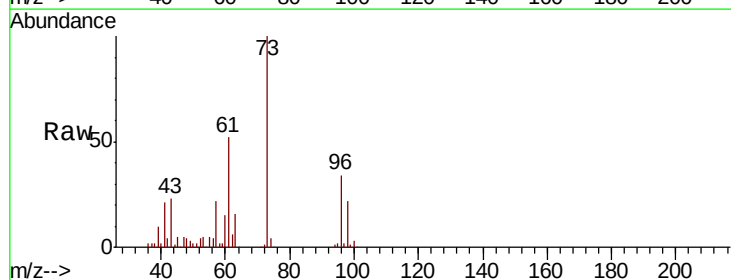
Instrument :
MSVOA_N
ClientSampleId :

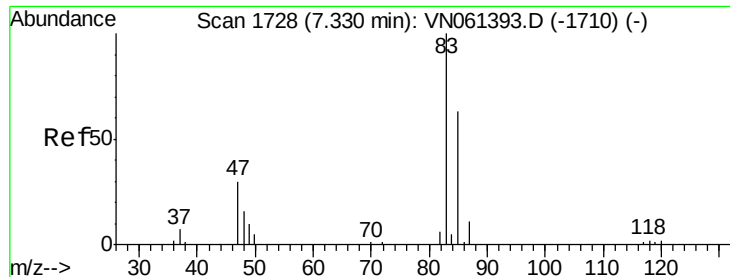
Tot Ion: 59 Resp: 156437
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 149.519 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion: 73 Resp: 736673
Ion Ratio Lower Upper
73 100
43 22.6 17.9 26.9

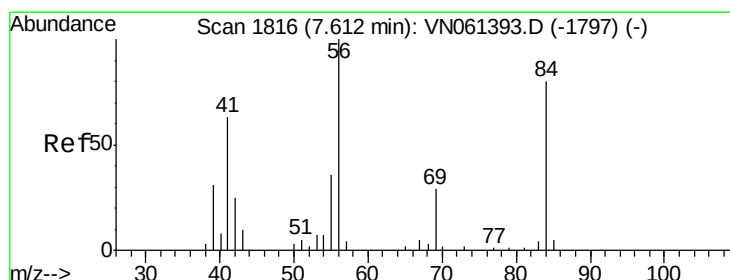
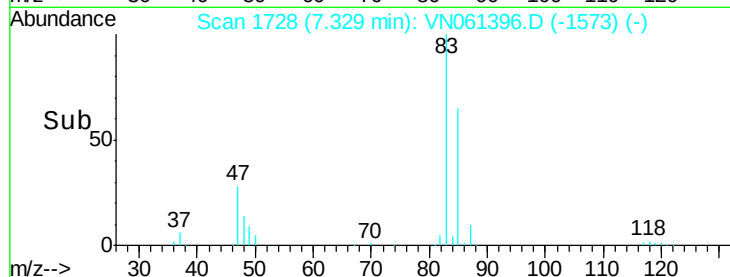
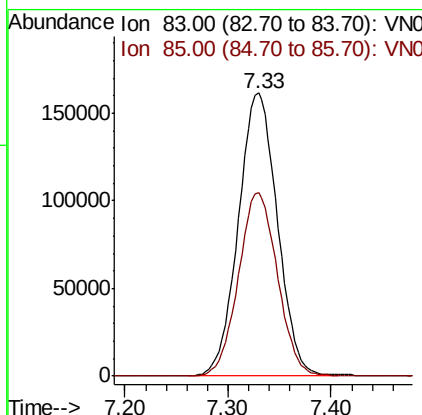
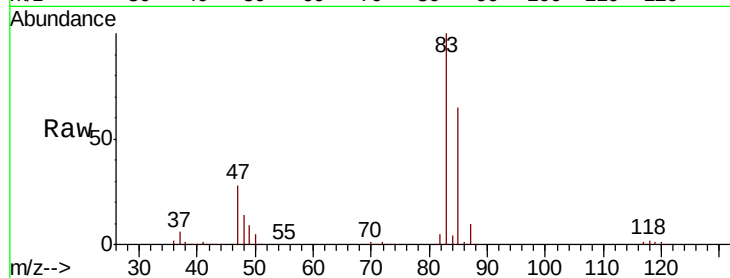




#25
Chloroform
Concen: 146.939 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

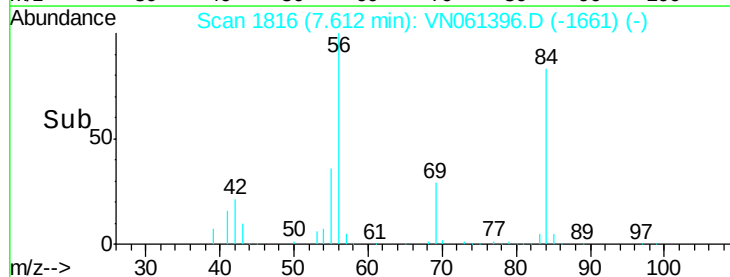
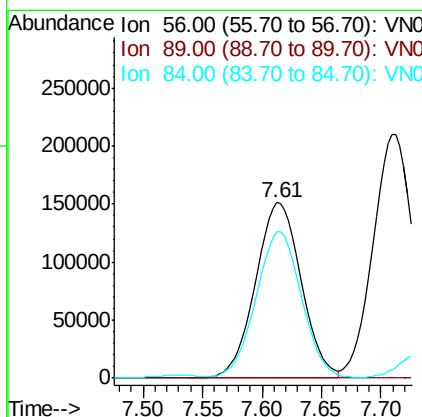
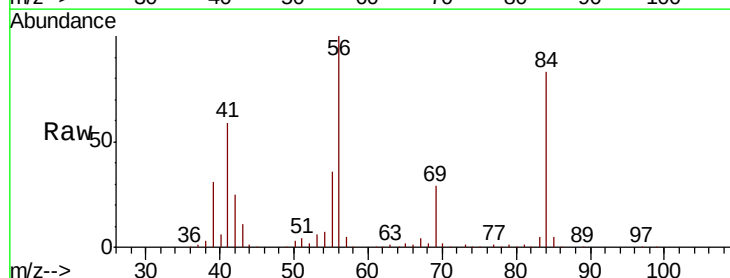
Instrument :
MSVOA_N
ClientSampleId :

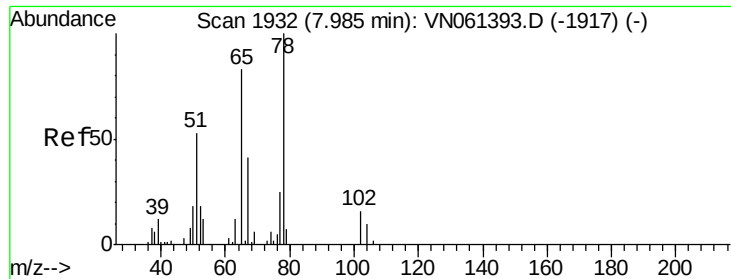
Tot Ion: 83 Resp: 424557
Ion Ratio Lower Upper
83 100
85 64.8 53.8 80.8



#26
Cyclohexane
Concen: 140.052 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion: 56 Resp: 402323
Ion Ratio Lower Upper
56 100
89 0.1 6.2 9.2#
84 83.3 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 29.045 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

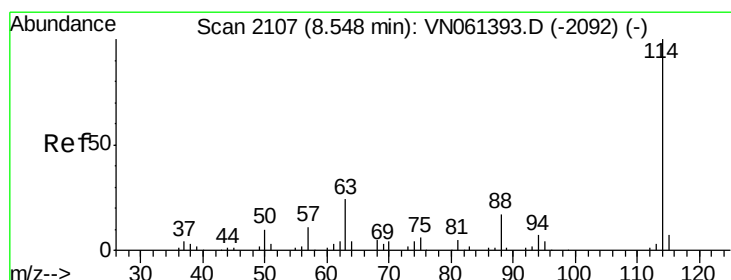
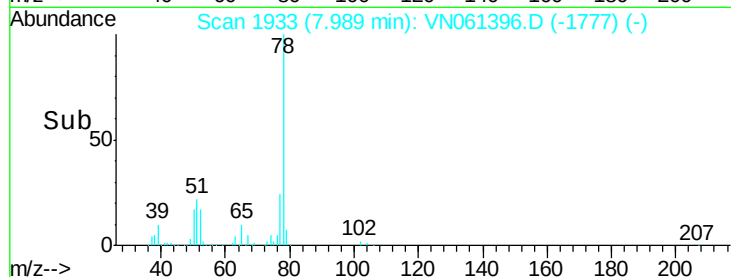
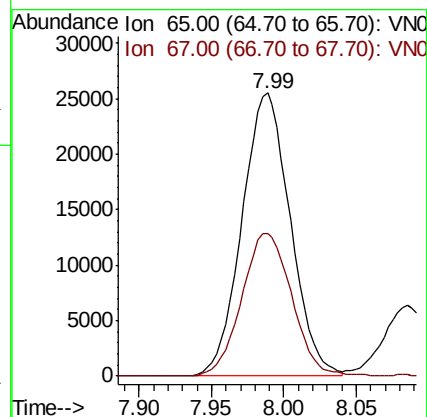
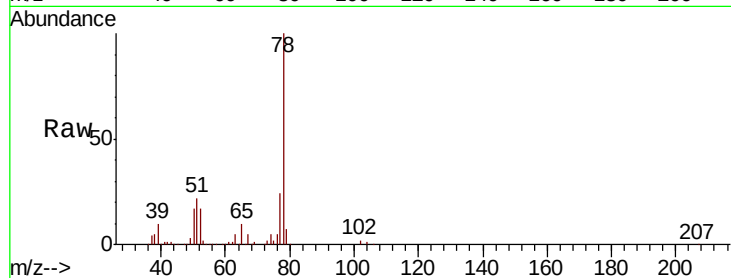
ClientSampleId :

Tot Ion: 65 Resp: 59127

Ion Ratio Lower Upper

65 100

67 52.1 41.5 62.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

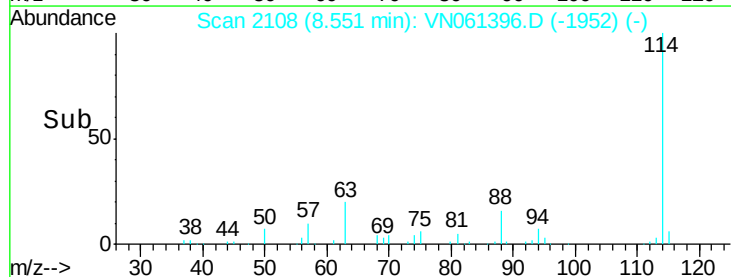
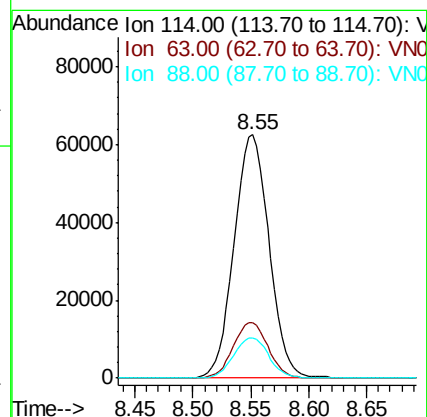
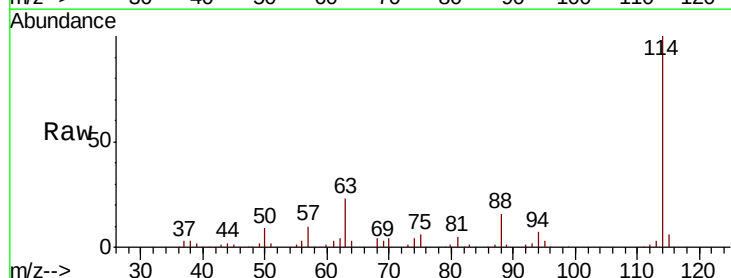
Tgt Ion: 114 Resp: 130754

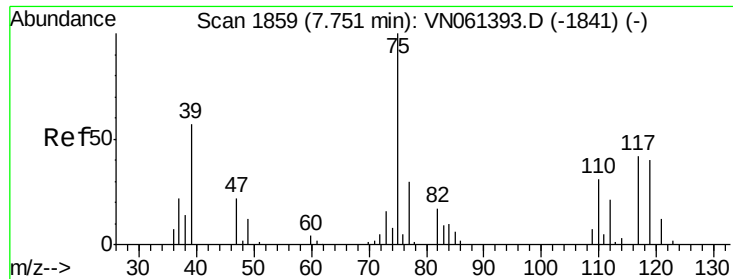
Ion Ratio Lower Upper

114 100

63 22.7 18.1 27.1

88 16.6 13.0 19.4

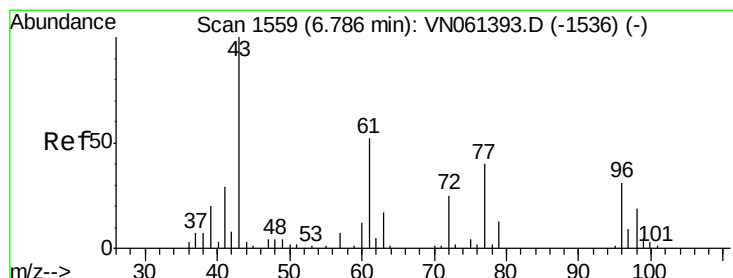
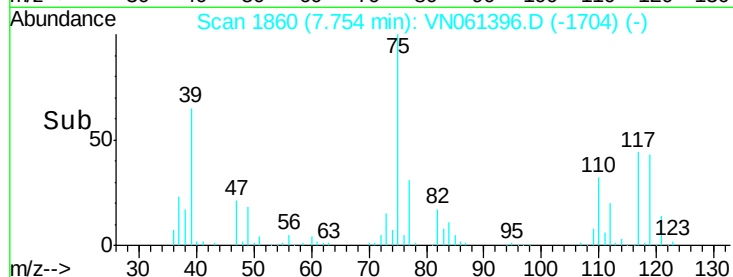
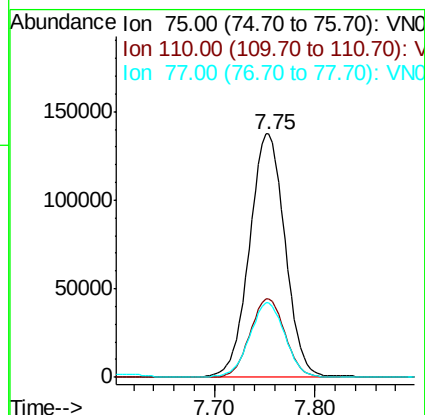
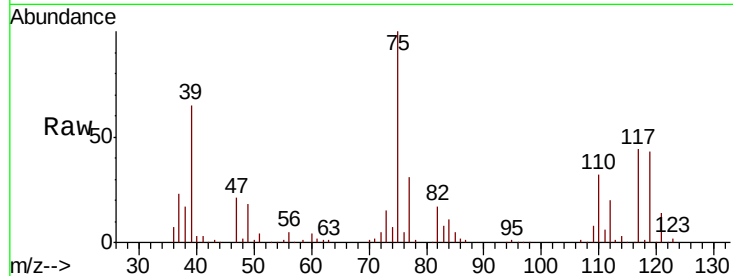




#29
 1,1-Dichloropropene
 Concen: 145.658 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

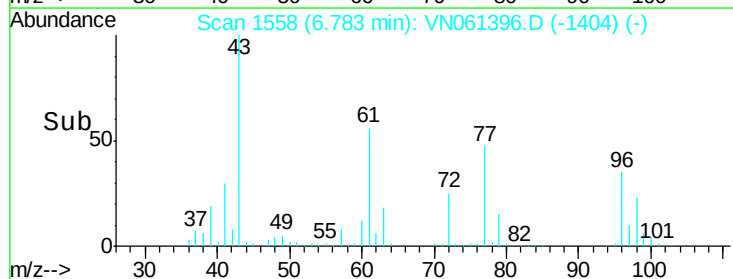
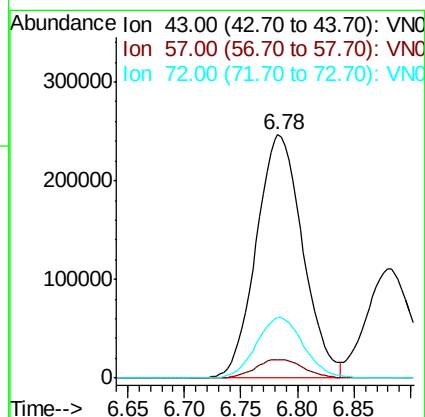
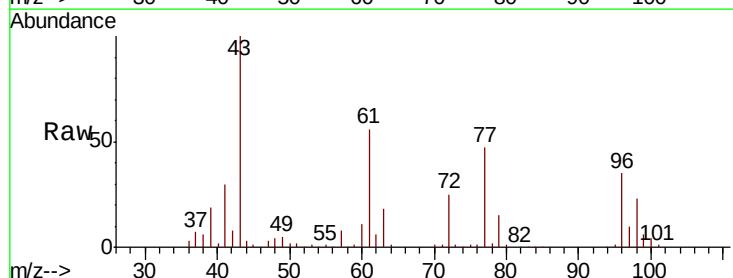
Instrument :
 MSVOA_N
 ClientSampled :

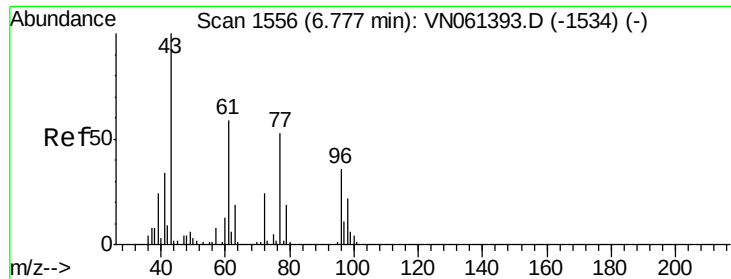
Tot Ion	Ratio	Lower	Upper
75	100		
110	31.8	0.0	64.6
77	30.7	0.0	60.8



#30
 2-Butanone
 Concen: 714.470 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.5	9.7
72	25.5	20.1	30.1

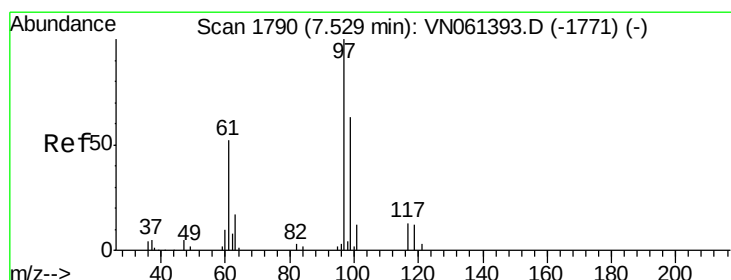
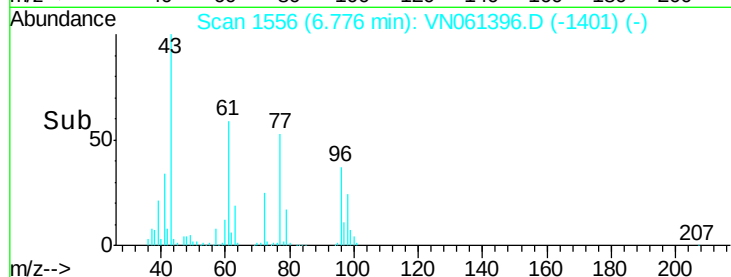
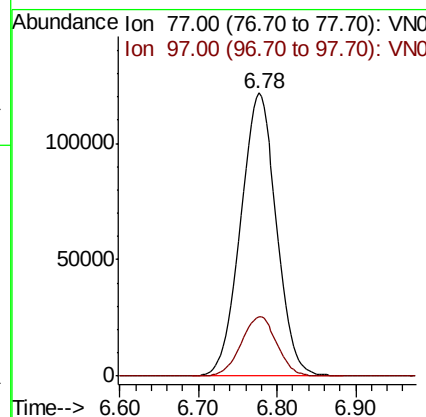
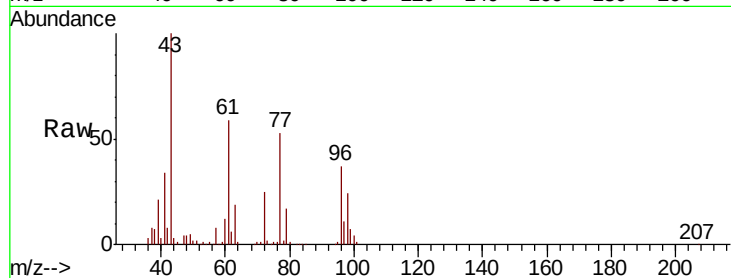




#31
 2,2-Dichloropropane
 Concen: 143.311 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

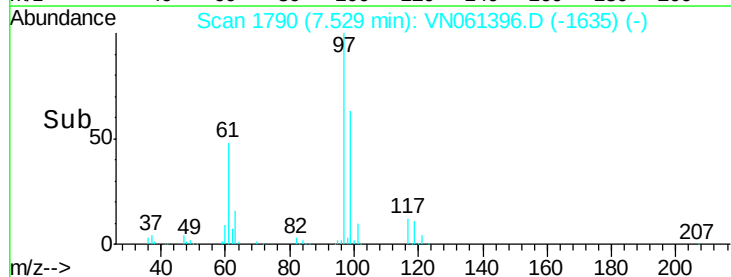
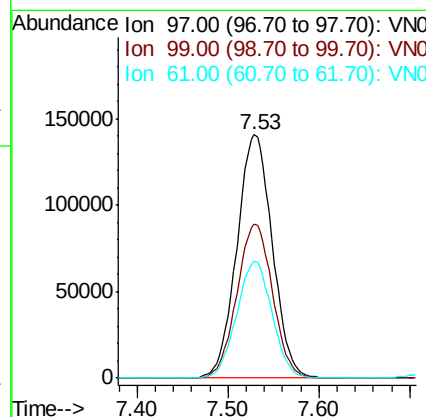
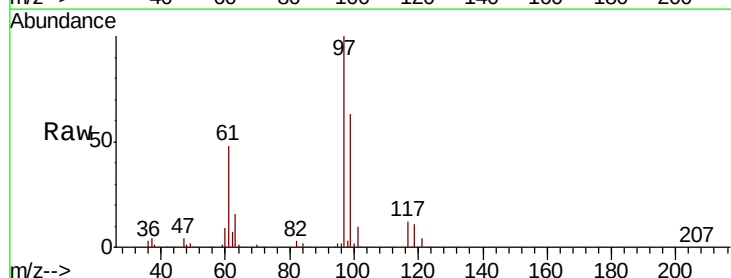
Instrument :
 MSVOA_N
 ClientSampled :

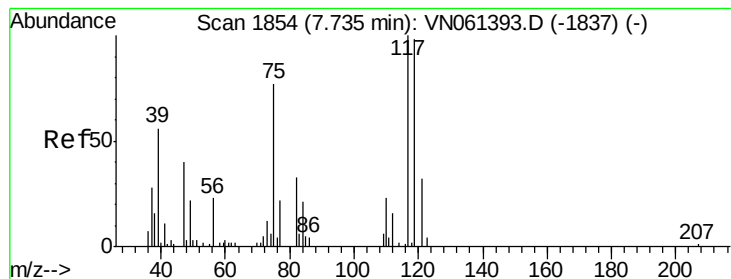
Tot Ion: 77 Resp: 387622
 Ion Ratio Lower Upper
 77 100
 97 21.1 17.9 26.9



#32
 1,1,1-Trichloroethane
 Concen: 148.110 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion: 97 Resp: 381191
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.3 76.9
 61 48.2 38.4 57.6





#33

Carbon Tetrachloride

Concen: 157.277 ug/l

RT: 7.73 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

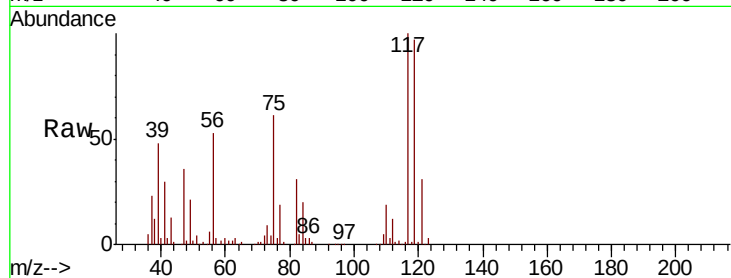
Tot Ion:117 Resp: 306954

Ion Ratio Lower Upper

117 100

119 97.0 76.9 115.3

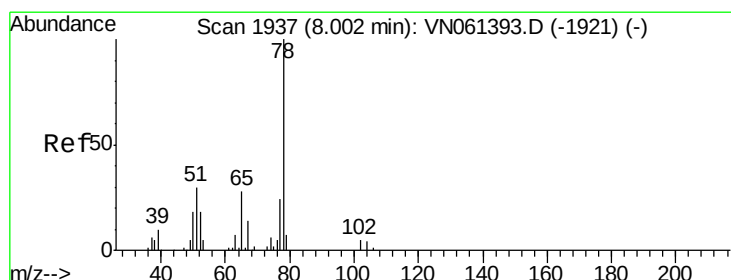
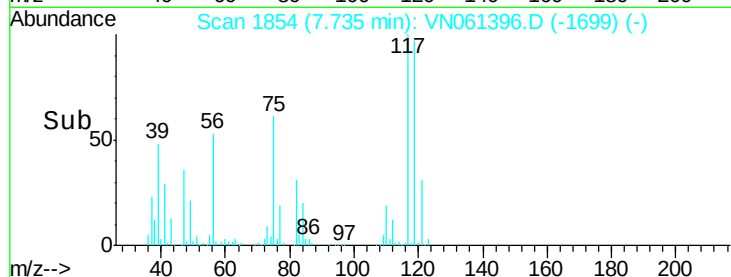
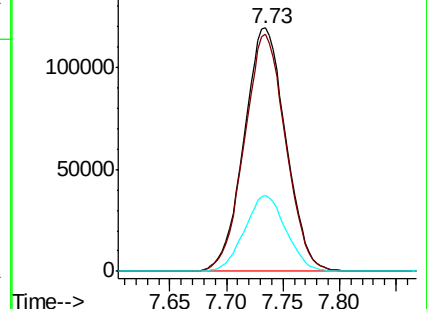
121 31.0 23.8 35.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 146.180 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

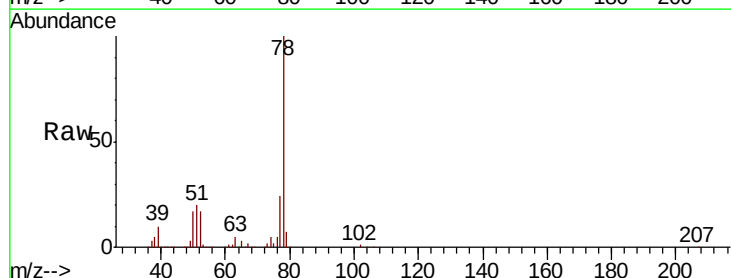
Tgt Ion: 78 Resp: 953756

Ion Ratio Lower Upper

78 100

77 23.6 19.2 28.8

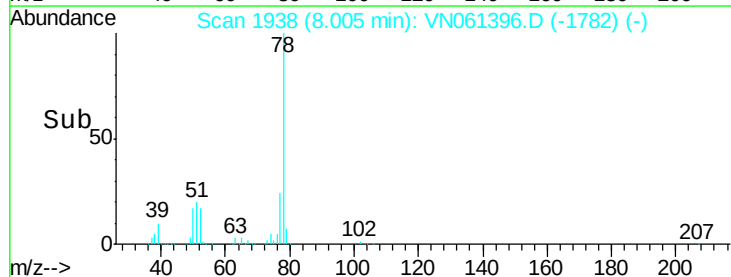
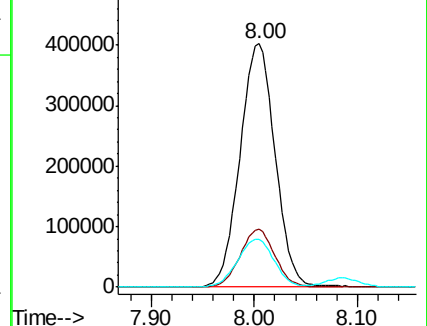
51 19.5 22.1 33.1#

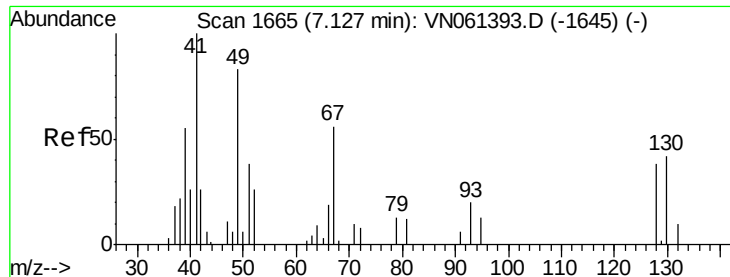


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

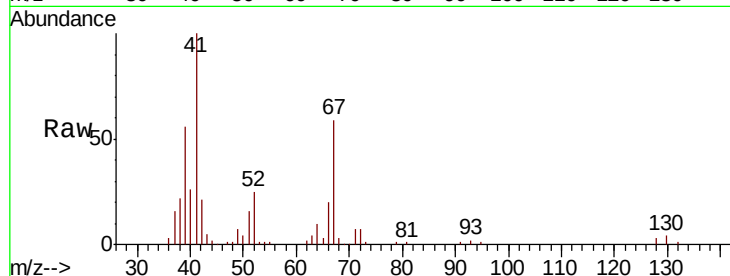




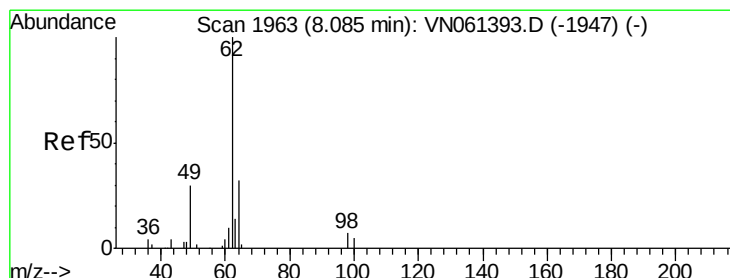
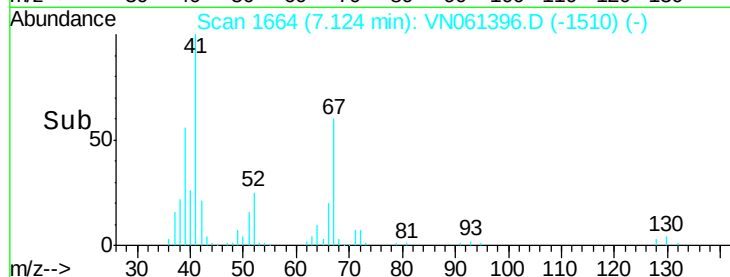
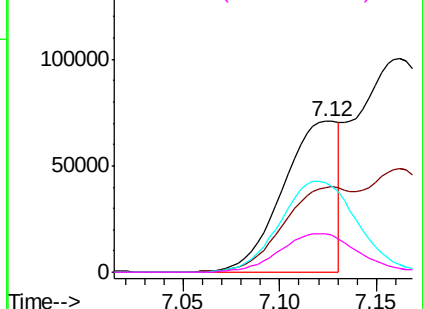
#35
Methacrylonitrile
Concen: 142.527 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 140149
Ion Ratio Lower Upper
41 100
39 55.8 25.8 77.4
67 59.5 23.0 69.0
52 25.4 10.1 30.1

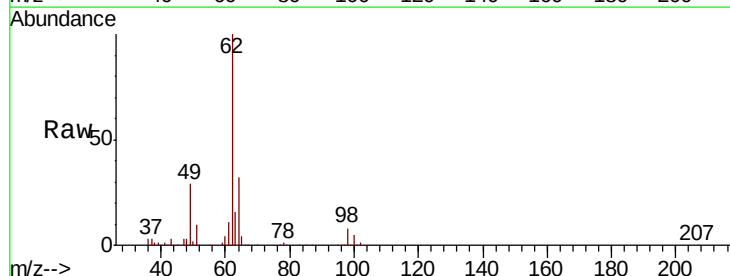


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

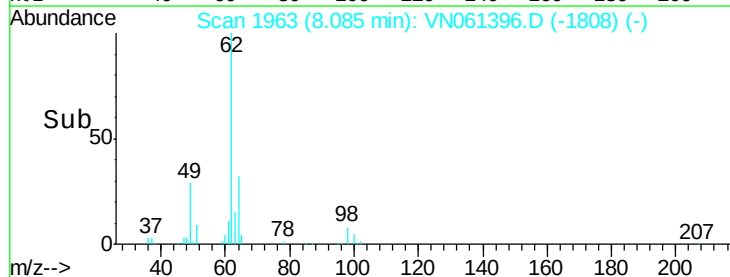
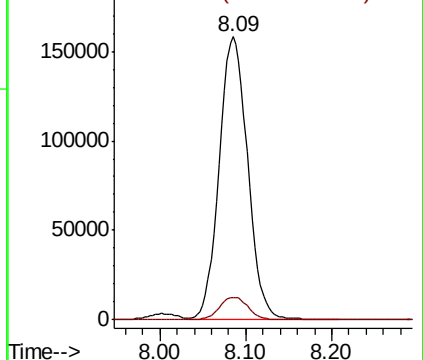


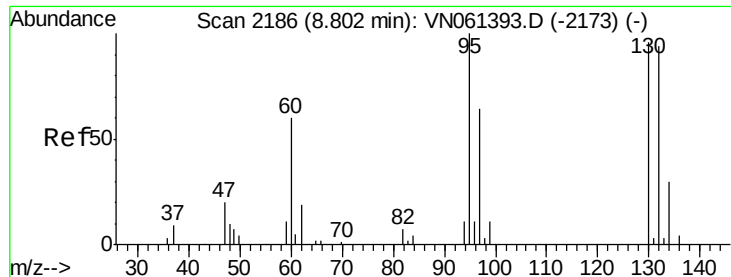
#36
1,2-Dichloroethane
Concen: 144.923 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion: 62 Resp: 363584
Ion Ratio Lower Upper
62 100
98 8.1 6.4 9.6



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

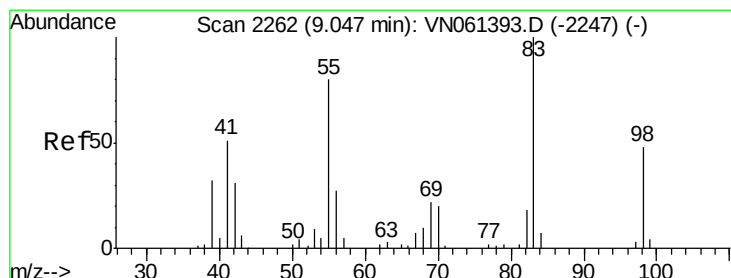
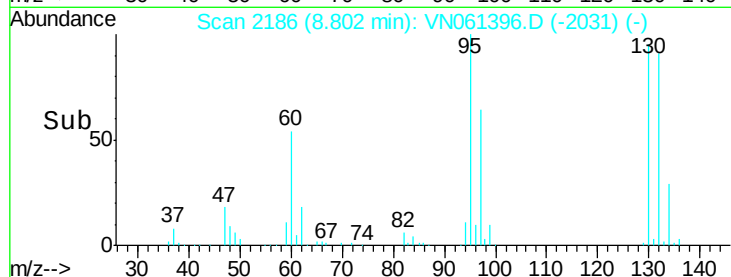
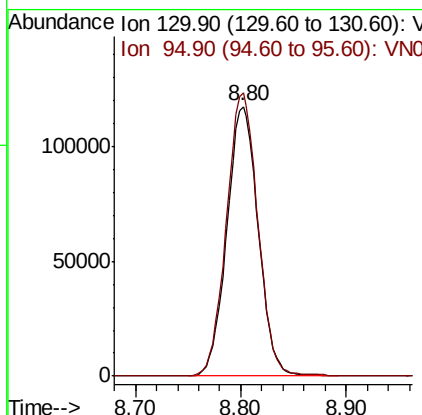
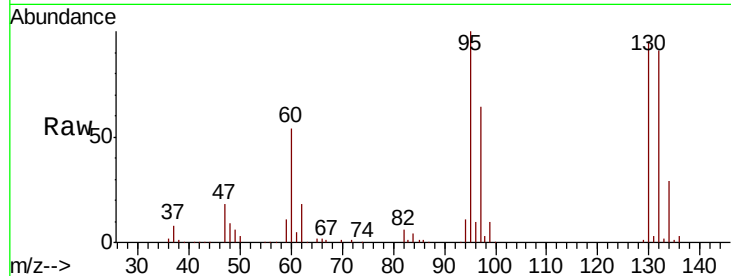




#37
 Trichloroethene
 Concen: 151.521 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

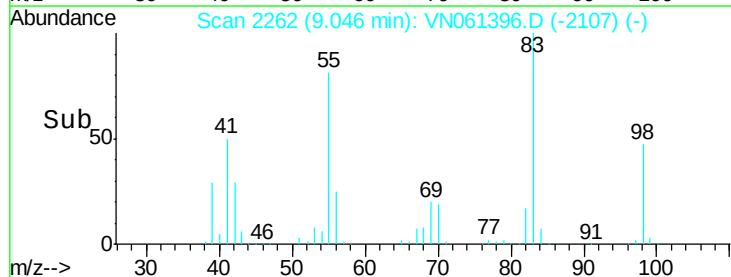
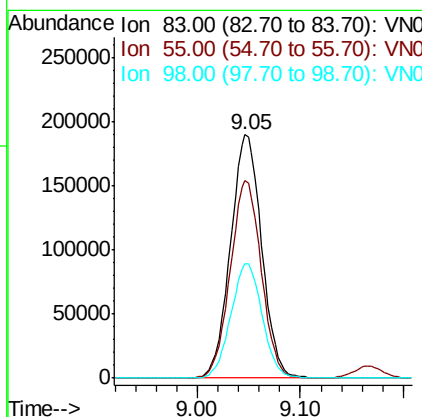
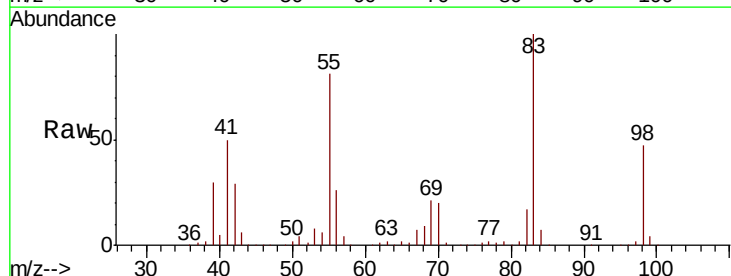
Instrument :
 MSVOA_N
 ClientSampleId :

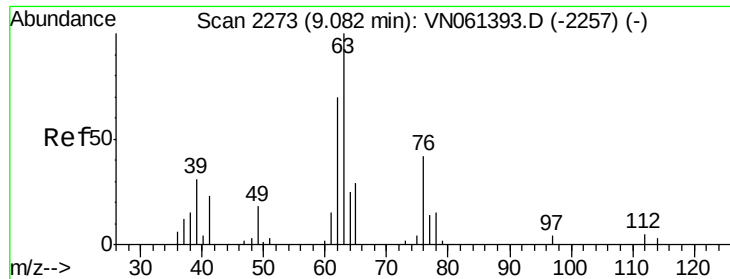
Tot Ion:130 Resp: 241689
 Ion Ratio Lower Upper
 130 100
 95 104.9 83.2 124.8



#38
 Methylcyclohexane
 Concen: 144.276 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion: 83 Resp: 400453
 Ion Ratio Lower Upper
 83 100
 55 80.3 40.4 121.1
 98 47.4 21.6 65.0

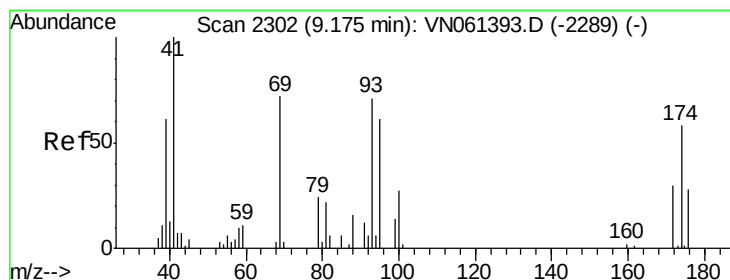
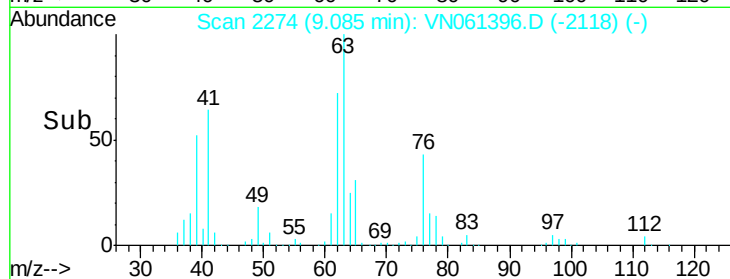
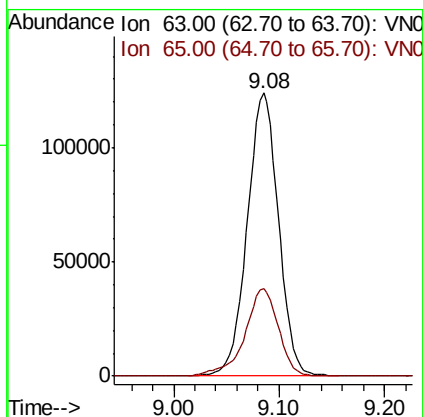
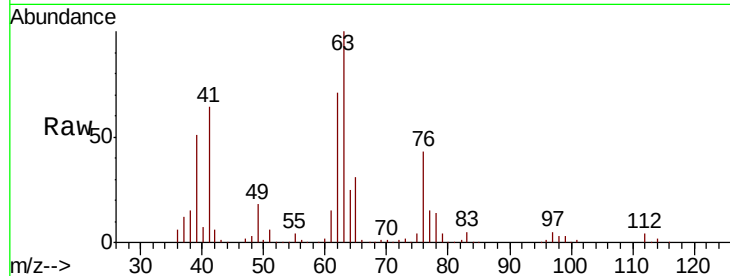




#39
 1,2-Dichloropropane
 Concen: 141.819 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

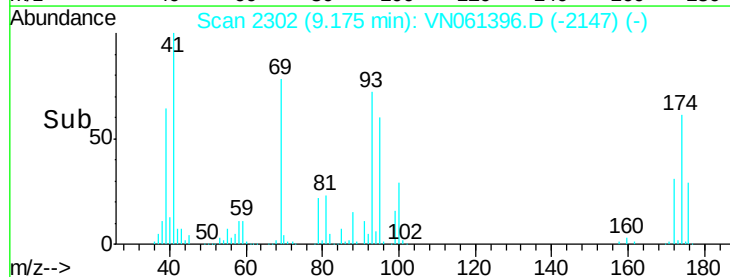
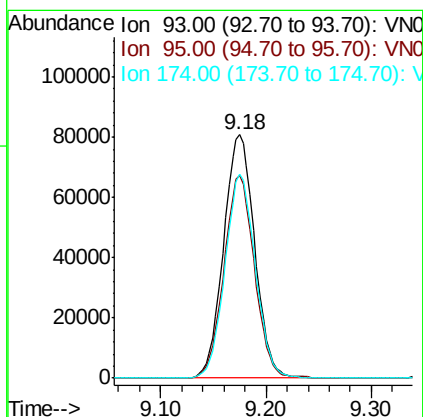
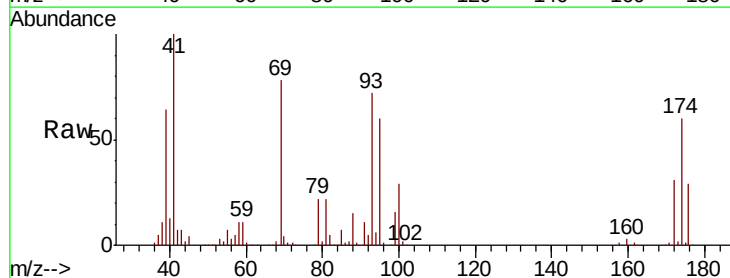
Instrument :
 MSVOA_N
 ClientSampled :

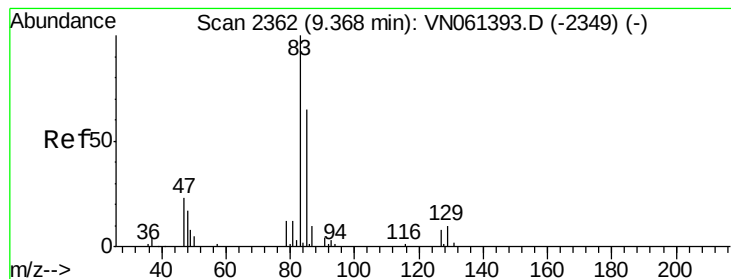
Tot Ion: 63 Resp: 255876
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.8 35.6



#40
 Dibromomethane
 Concen: 149.236 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion: 93 Resp: 164661
 Ion Ratio Lower Upper
 93 100
 95 81.5 0.0 167.6
 174 81.8 0.0 187.2





#41

Bromodichloromethane

Concen: 148.065 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

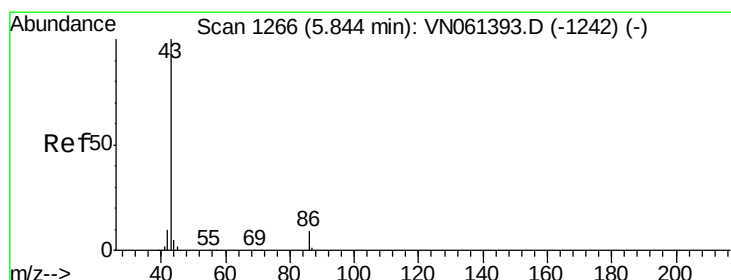
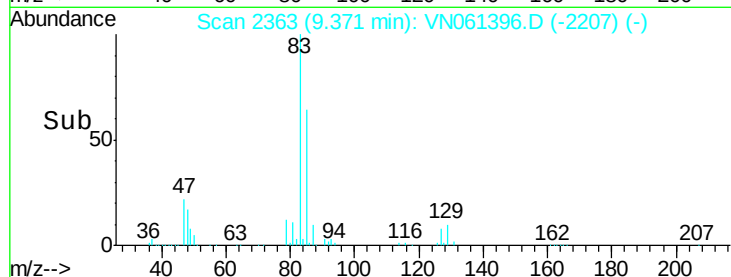
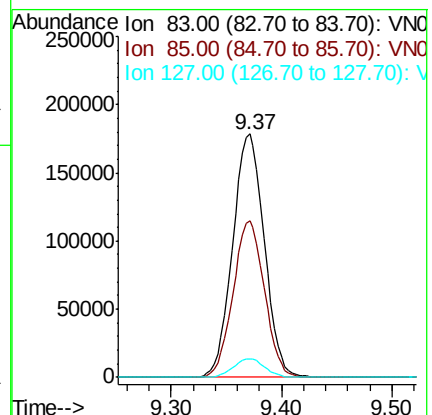
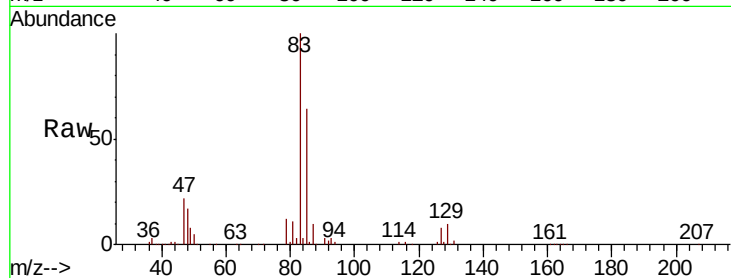
Tot Ion: 83 Resp: 354966

Ion Ratio Lower Upper

83 100

85 64.3 51.0 76.4

127 7.8 6.6 9.8



#42

Vinyl Acetate

Concen: 731.544 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN061396.D

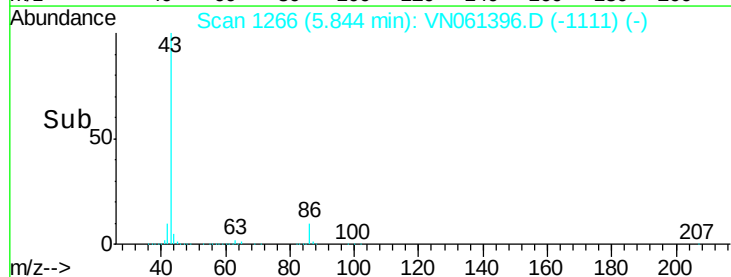
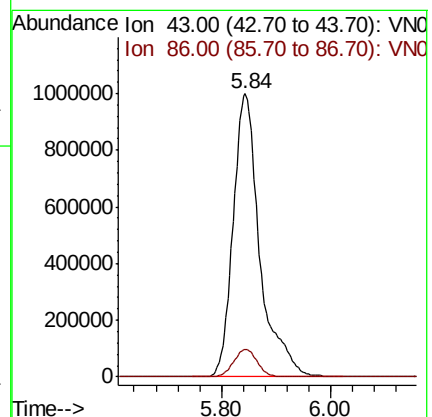
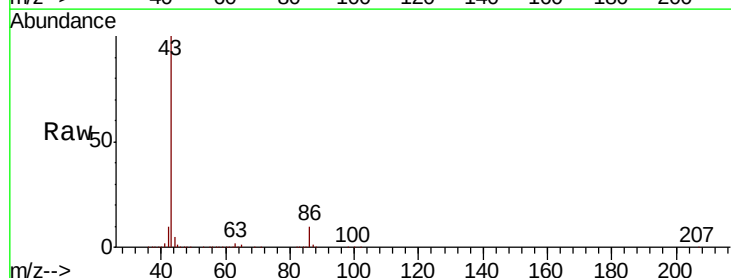
Acq: 14 May 2020 15:46

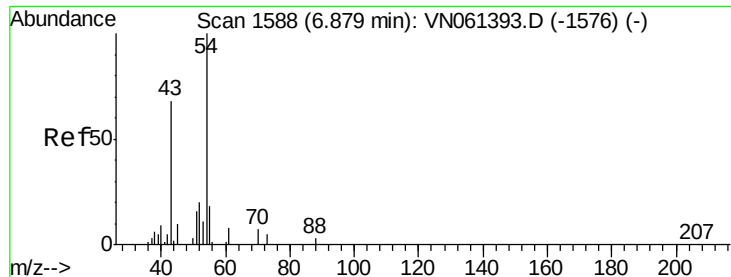
Tgt Ion: 43 Resp: 3388555

Ion Ratio Lower Upper

43 100

86 8.6 6.5 9.7





#43

Ethyl Acetate

Concen: 152.754 ug/l

RT: 6.88 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

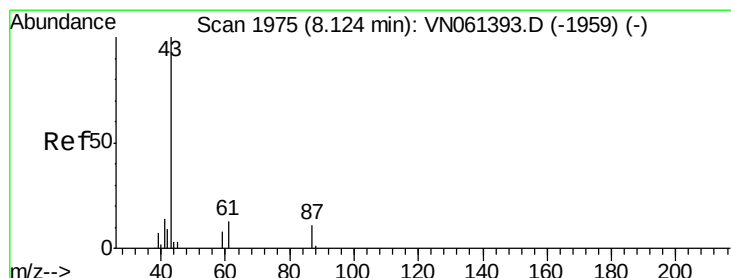
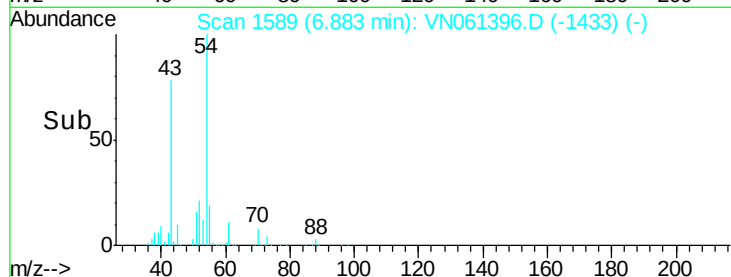
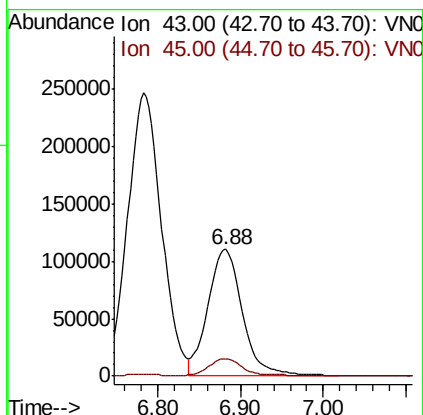
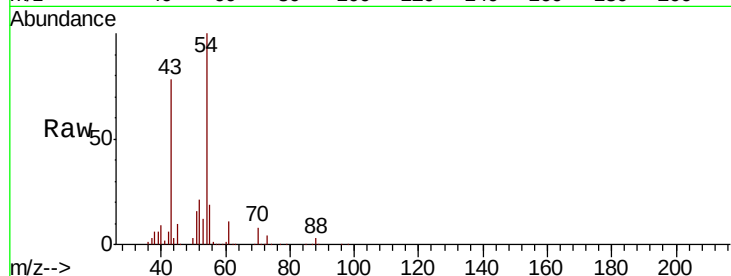
ClientSampled :

Tot Ion: 43 Resp: 315533

Ion Ratio Lower Upper

43 100

45 14.6 9.7 14.5#



#44

Isopropyl Acetate

Concen: 141.496 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061396.D

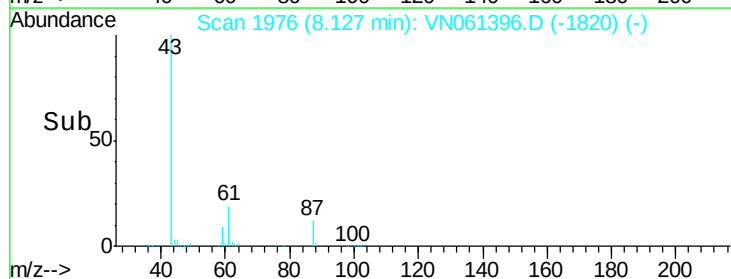
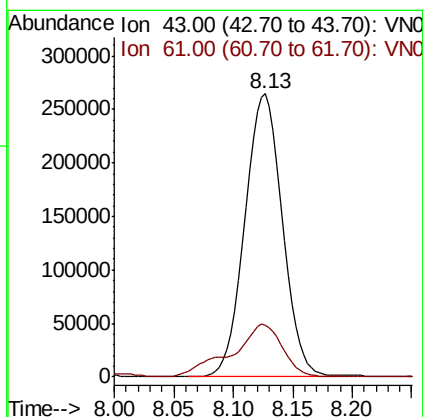
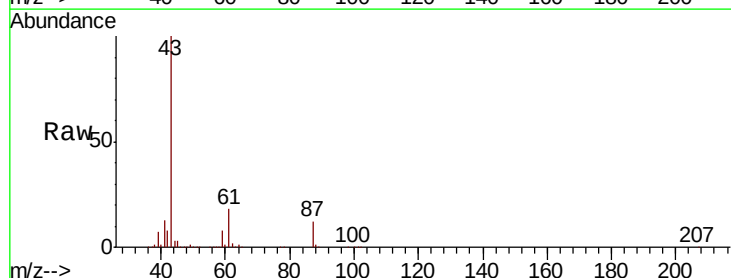
Acq: 14 May 2020 15:46

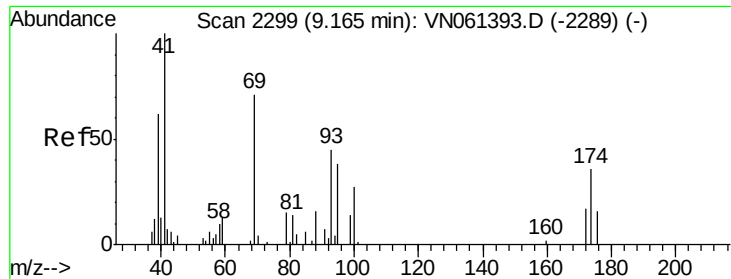
Tgt Ion: 43 Resp: 576093

Ion Ratio Lower Upper

43 100

61 25.2 19.9 29.9

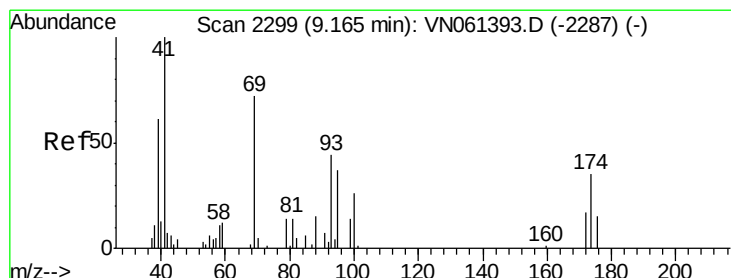
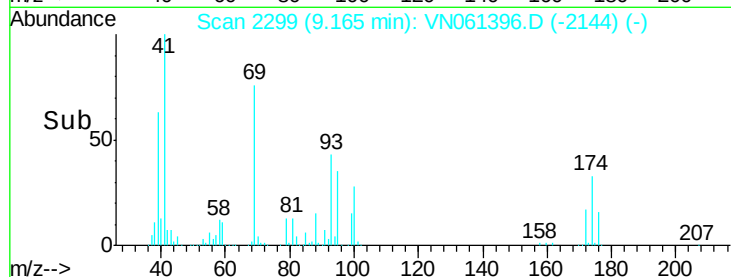
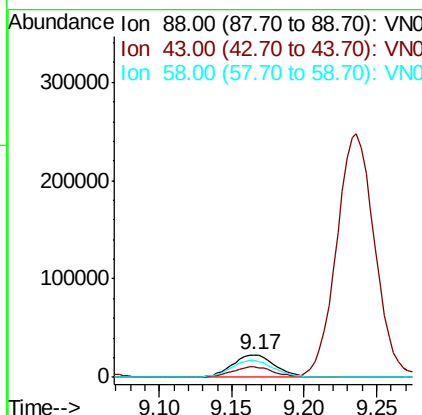
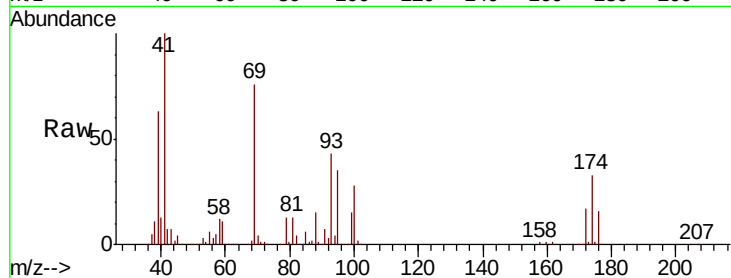




#45
 1,4-Dioxane
 Concen: 2971.441 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

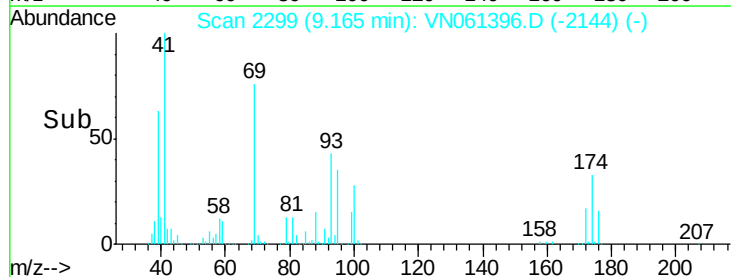
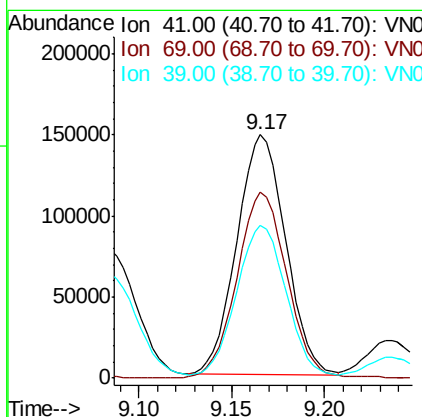
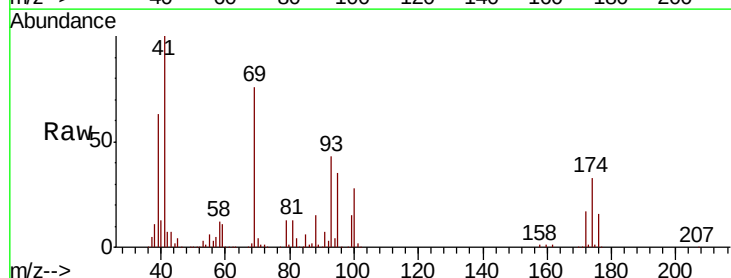
Instrument :
 MSVOA_N
 ClientSampleId :

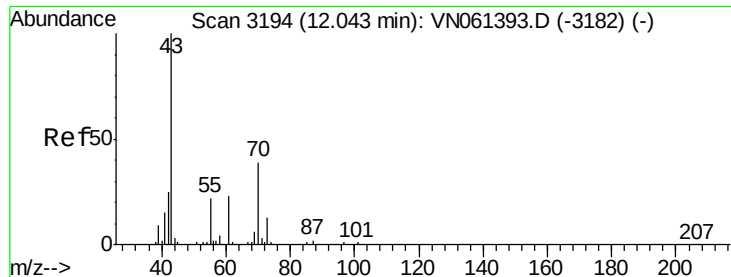
Tot Ion: 88 Resp: 47292
 Ion Ratio Lower Upper
 88 100
 43 42.4 29.8 44.8
 58 75.0 58.2 87.4



#46
 Methyl methacrylate
 Concen: 141.732 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion: 41 Resp: 271279
 Ion Ratio Lower Upper
 41 100
 69 76.9 40.2 120.5
 39 62.3 29.9 89.8





#47

n-amvl Acetate

Concen: 151.198 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

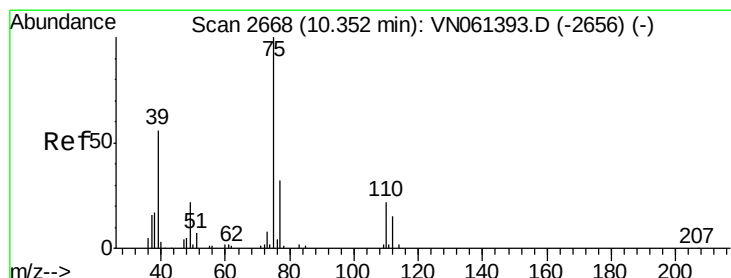
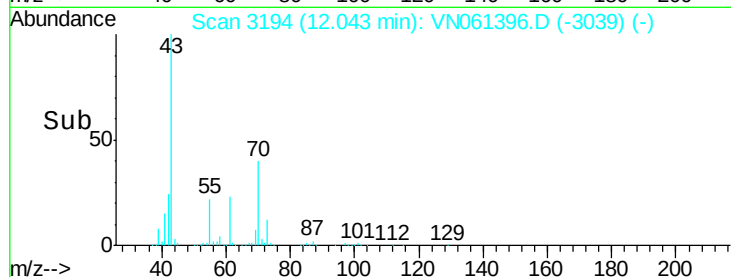
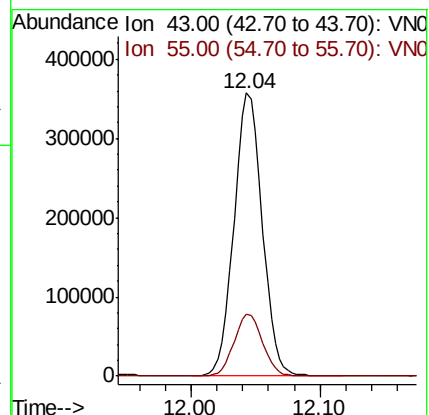
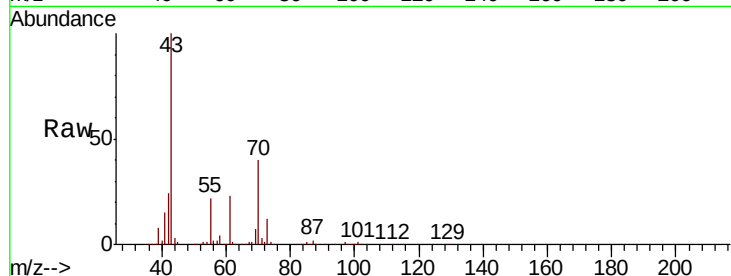
ClientSampleId :

Tot Ion: 43 Resp: 541981

Ion Ratio Lower Upper

43 100

55 22.1 19.6 29.4



#48

t-1,3-Dichloropropene

Concen: 151.100 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061396.D

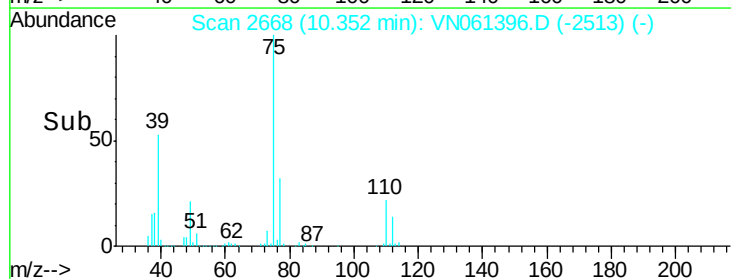
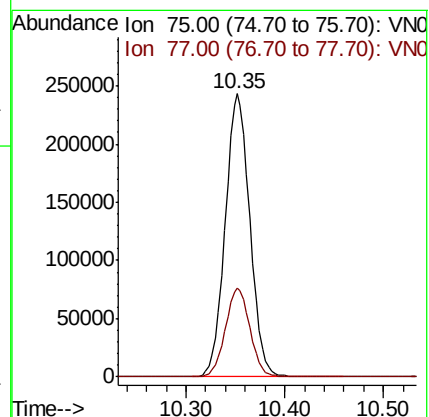
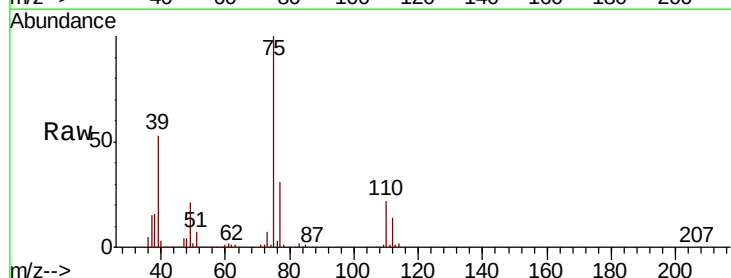
Acq: 14 May 2020 15:46

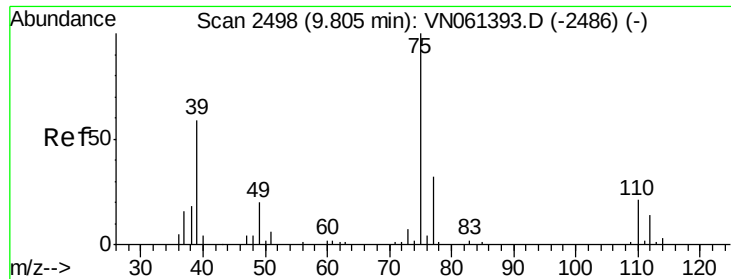
Tgt Ion: 75 Resp: 425749

Ion Ratio Lower Upper

75 100

77 31.5 27.0 40.4



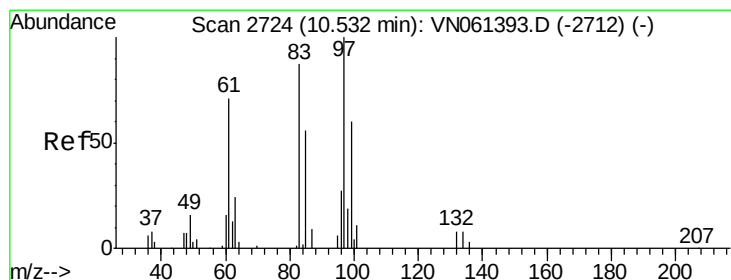
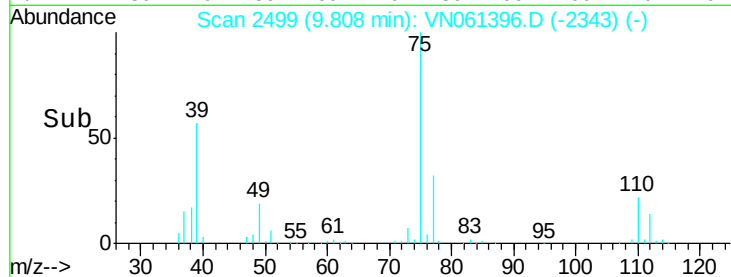
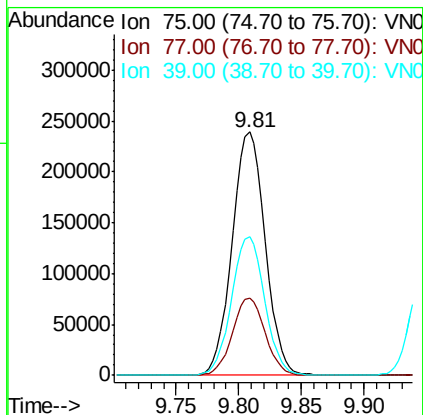
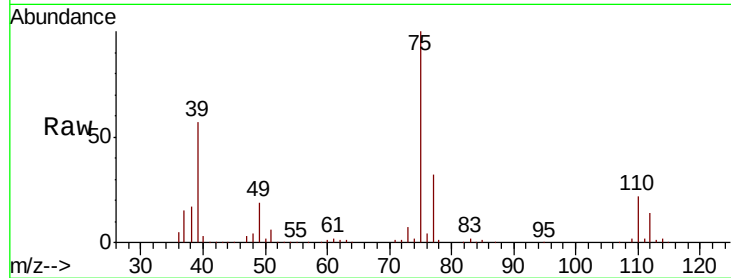


#49

cis-1,3-Dichloropropene
 Concen: 146.612 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Instrument :
 MSVOA_N
 ClientSampled :

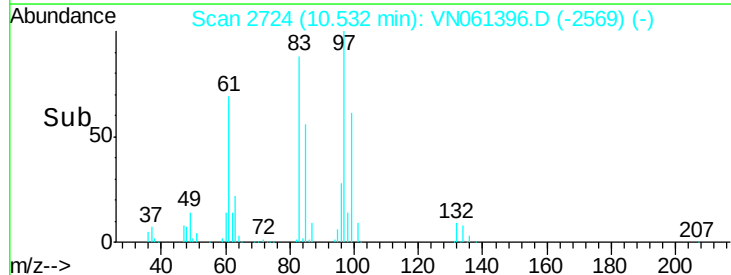
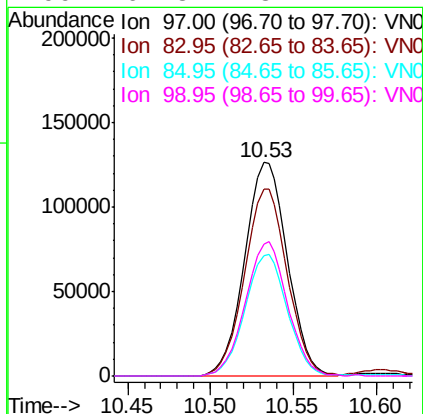
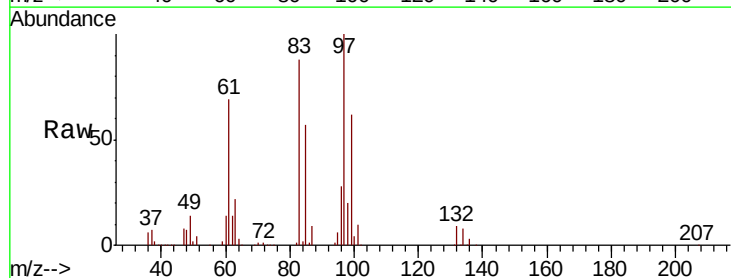
Tot Ion: 75 Resp: 439589
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.1 39.1
 39 56.8 43.1 64.7

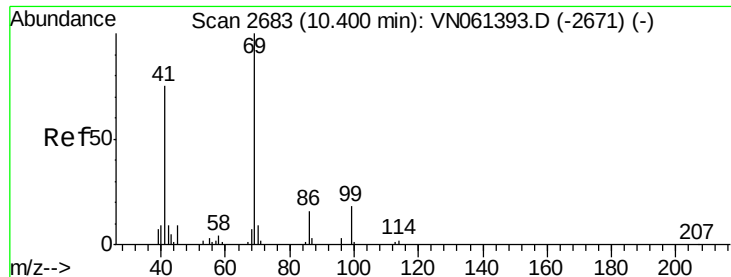


#50

1,1,2-Trichloroethane
 Concen: 148.409 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion: 97 Resp: 226665
 Ion Ratio Lower Upper
 97 100
 83 87.5 70.7 106.1
 85 56.6 45.1 67.7
 99 61.8 48.2 72.4





#51

Ethyl methacrylate

Concen: 148.951 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

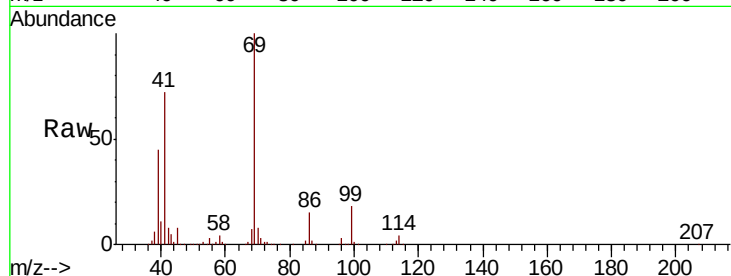
Tot Ion: 69 Resp: 391643

Ion Ratio Lower Upper

69 100

41 71.9 34.7 104.1

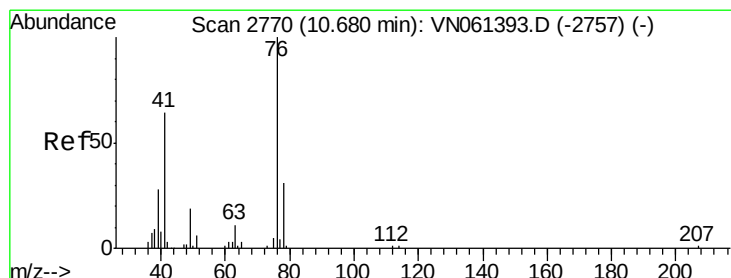
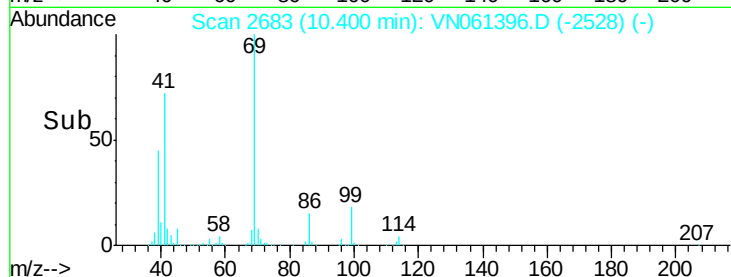
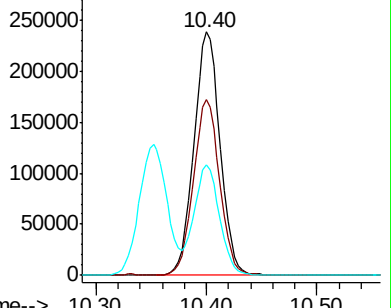
39 45.0 20.3 60.8



Abundance Ion 69.00 (68.70 to 69.70): VN061393.D (-2671) (-)

Ion 41.00 (40.70 to 41.70): VN061393.D (-2671) (-)

Ion 39.00 (38.70 to 39.70): VN061393.D (-2671) (-)



#52

1,3-Dichloropropane

Concen: 147.137 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN061396.D

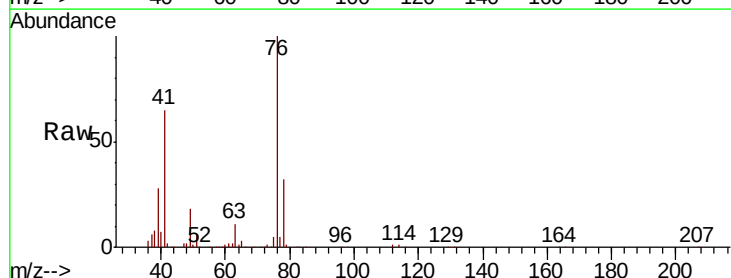
Acq: 14 May 2020 15:46

Tgt Ion: 76 Resp: 411035

Ion Ratio Lower Upper

76 100

78 32.0 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN061393.D (-2757) (-)

Ion 78.00 (77.70 to 78.70): VN061393.D (-2757) (-)

Ion 76.00 (75.70 to 76.70): VN061396.D (-2615) (-)

Ion 78.00 (77.70 to 78.70): VN061396.D (-2615) (-)

Ion 76.00 (75.70 to 76.70): VN061396.D (-2615) (-)

Ion 78.00 (77.70 to 78.70): VN061396.D (-2615) (-)

Ion 76.00 (75.70 to 76.70): VN061396.D (-2615) (-)

Ion 78.00 (77.70 to 78.70): VN061396.D (-2615) (-)

Ion 76.00 (75.70 to 76.70): VN061396.D (-2615) (-)

Ion 78.00 (77.70 to 78.70): VN061396.D (-2615) (-)

Ion 76.00 (75.70 to 76.70): VN061396.D (-2615) (-)

Ion 78.00 (77.70 to 78.70): VN061396.D (-2615) (-)

Ion 76.00 (75.70 to 76.70): VN061396.D (-2615) (-)

Ion 78.00 (77.70 to 78.70): VN061396.D (-2615) (-)

Ion 76.00 (75.70 to 76.70): VN061396.D (-2615) (-)

Ion 78.00 (77.70 to 78.70): VN061396.D (-2615) (-)

Ion 76.00 (75.70 to 76.70): VN061396.D (-2615) (-)

Ion 78.00 (77.70 to 78.70): VN061396.D (-2615) (-)

Ion 76.00 (75.70 to 76.70): VN061396.D (-2615) (-)

Ion 78.00 (77.70 to 78.70): VN061396.D (-2615) (-)

Ion 76.00 (75.70 to 76.70): VN061396.D (-2615) (-)

Ion 78.00 (77.70 to 78.70): VN061396.D (-2615) (-)

Ion 76.00 (75.70 to 76.70): VN061396.D (-2615) (-)

Ion 78.00 (77.70 to 78.70): VN061396.D (-2615) (-)

Ion 76.00 (75.70 to 76.70): VN061396.D (-2615) (-)

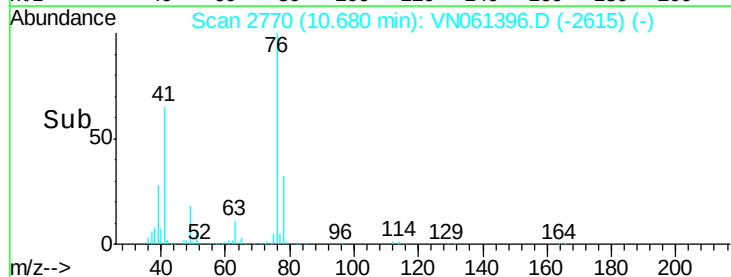
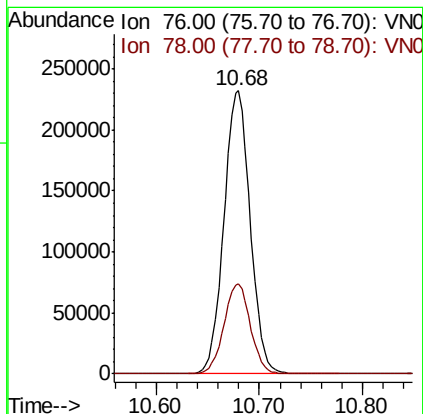
Ion 78.00 (77.70 to 78.70): VN061396.D (-2615) (-)

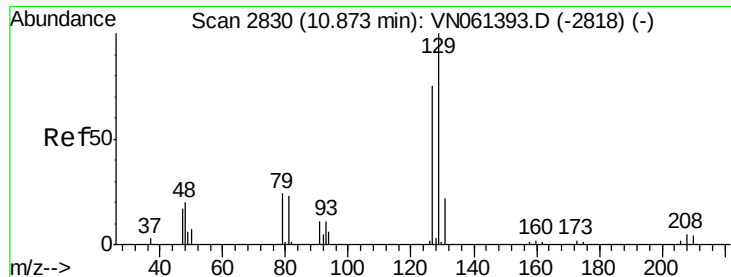
Ion 76.00 (75.70 to 76.70): VN061396.D (-2615) (-)

Ion 78.00 (77.70 to 78.70): VN061396.D (-2615) (-)

Ion 76.00 (75.70 to 76.70): VN061396.D (-2615) (-)

Ion 78.00 (77.70 to 78.70): VN061396.D (-2615) (-)

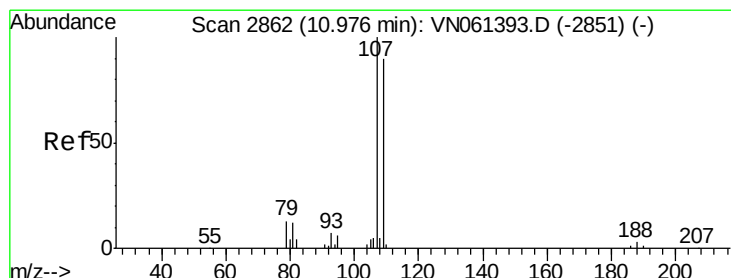
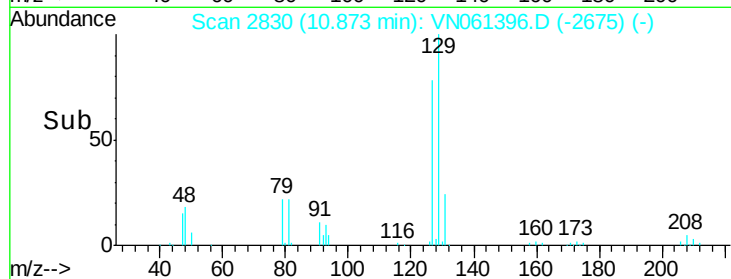
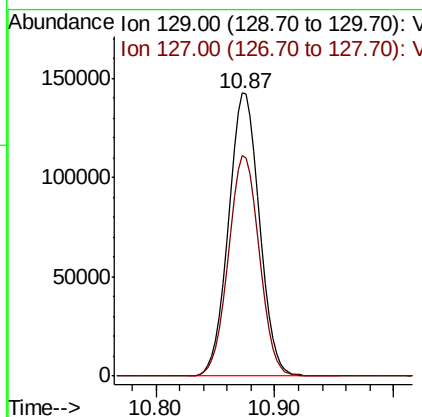
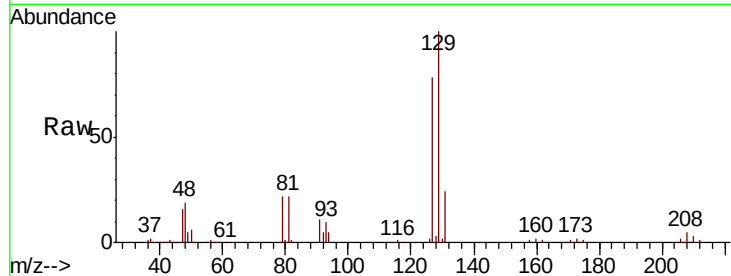




#53
 Dibromochloromethane
 Concen: 155.050 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

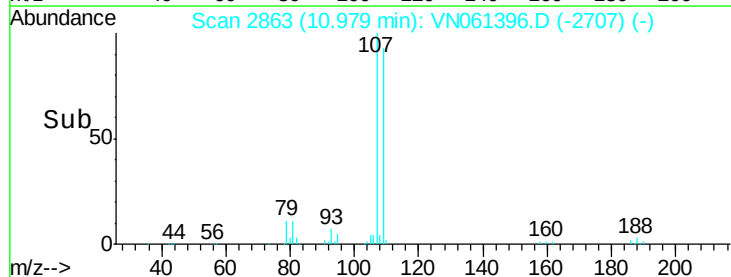
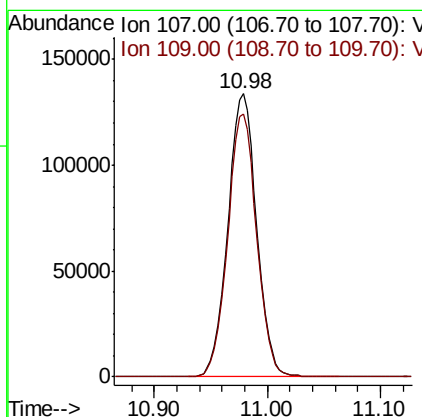
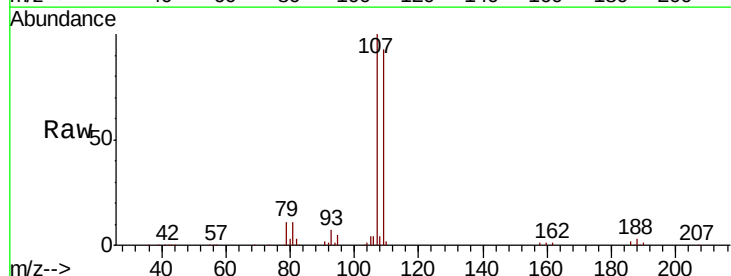
Instrument :
 MSVOA_N
 ClientSampleId :

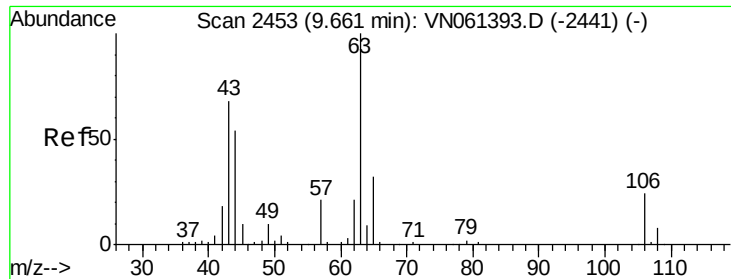
Tot Ion:129 Resp: 257189
 Ion Ratio Lower Upper
 129 100
 127 77.9 39.1 117.5



#54
 1,2-Dibromoethane
 Concen: 150.311 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion:107 Resp: 236273
 Ion Ratio Lower Upper
 107 100
 109 93.7 76.2 114.4

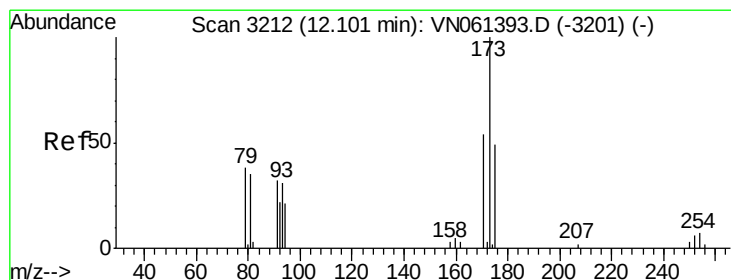
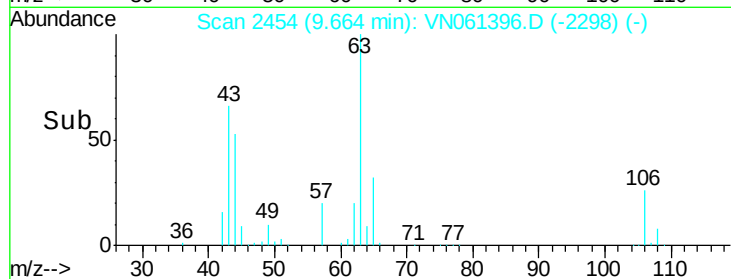
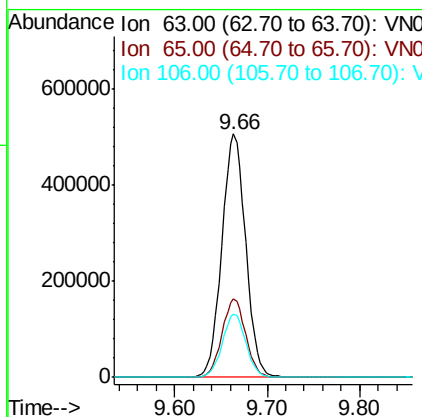
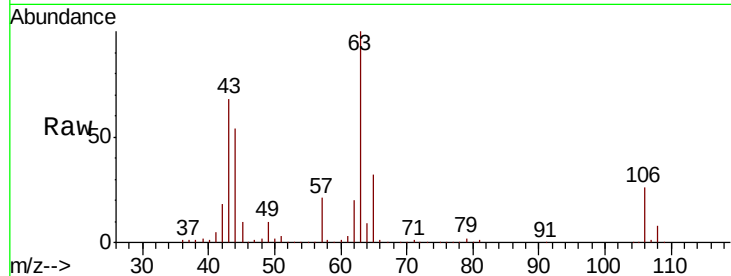




#55
2-Chloroethyl vinyl ether
Concen: 779.709 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

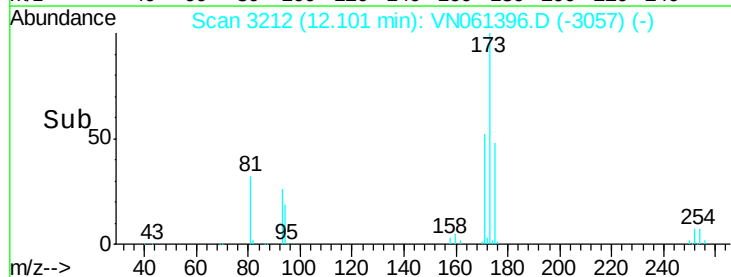
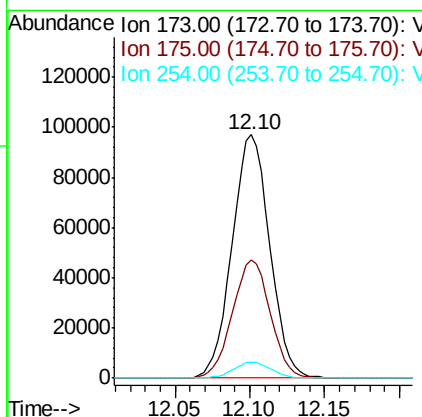
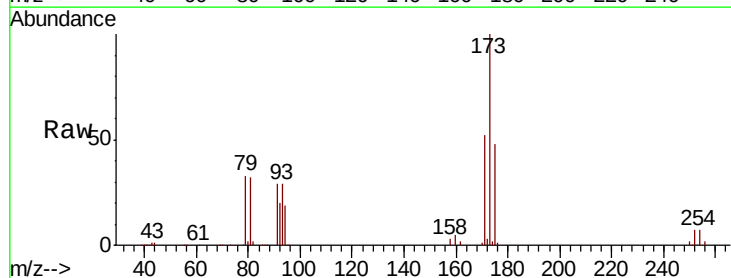
Instrument :
MSVOA_N
ClientSampleId :

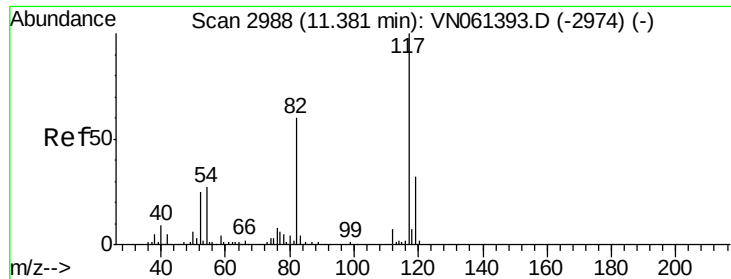
Tot Ion: 63 Resp: 898933
Ion Ratio Lower Upper
63 100
65 32.1 25.3 37.9
106 25.8 19.8 29.6



#56
Bromoform
Concen: 164.733 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion: 173 Resp: 169668
Ion Ratio Lower Upper
173 100
175 48.9 38.7 58.1
254 6.6 7.4 11.2#

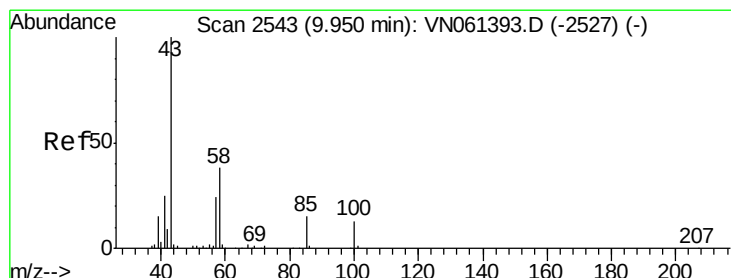
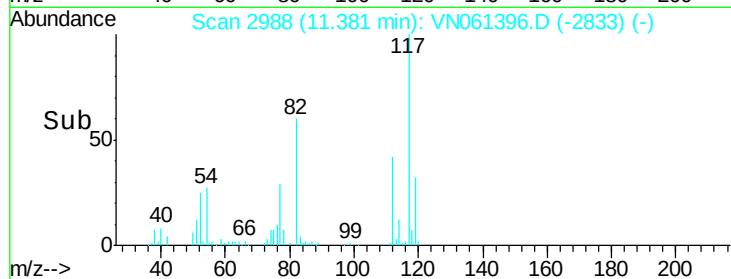
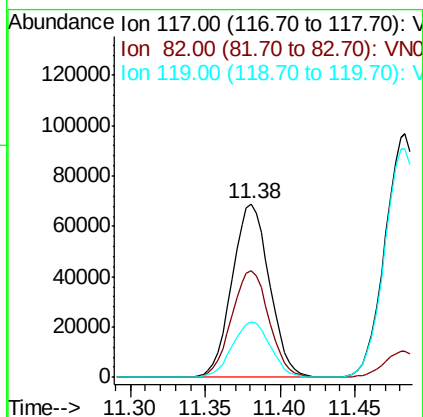
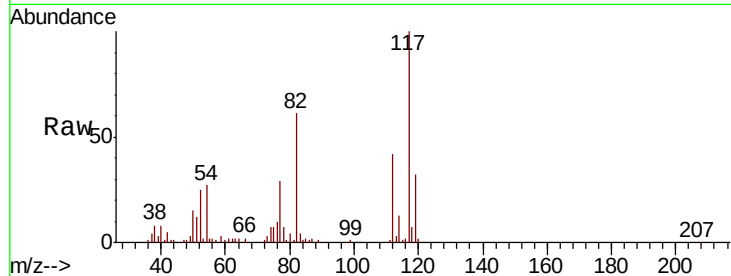




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

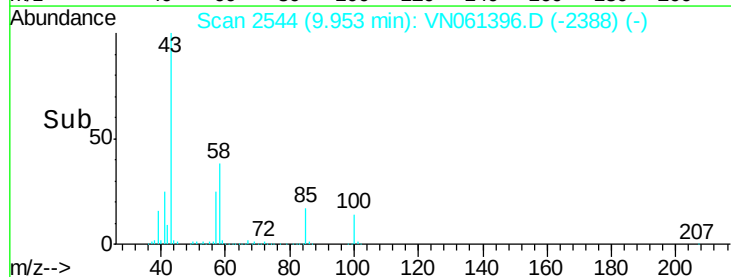
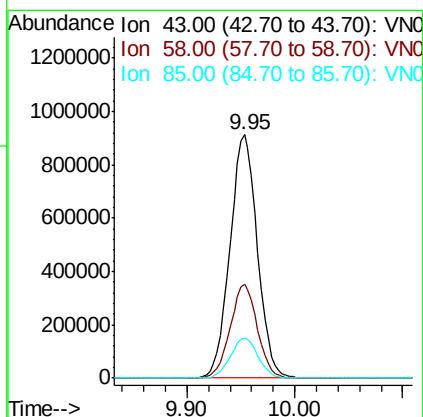
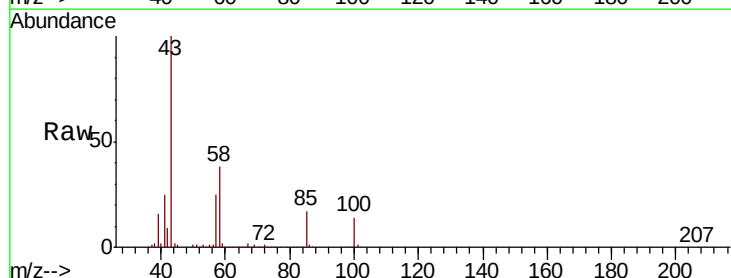
Instrument :
MSVOA_N
ClientSampled :

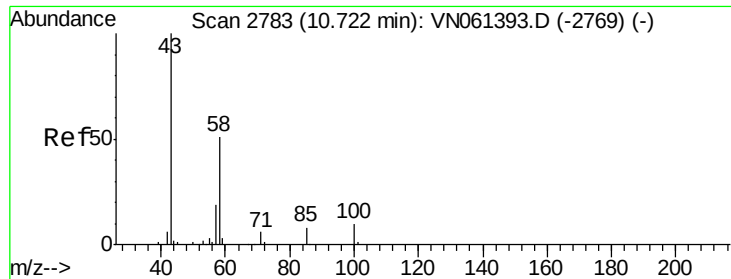
Tot Ion:117 Resp: 120353
Ion Ratio Lower Upper
117 100
82 61.6 46.9 70.3
119 32.4 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 731.519 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion: 43 Resp: 1612267
Ion Ratio Lower Upper
43 100
58 38.2 30.1 45.1
85 16.5 13.2 19.8

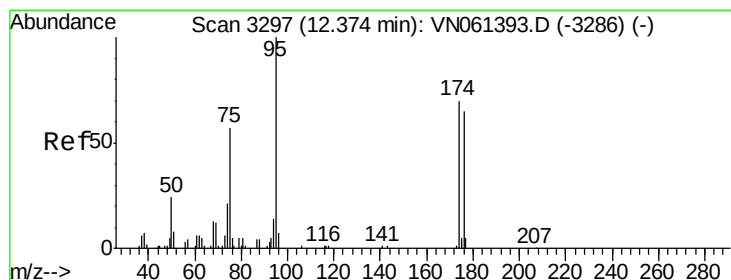
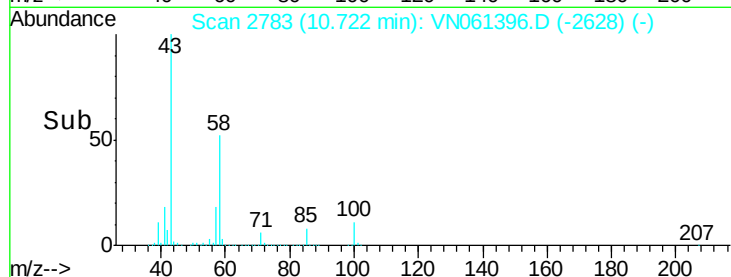
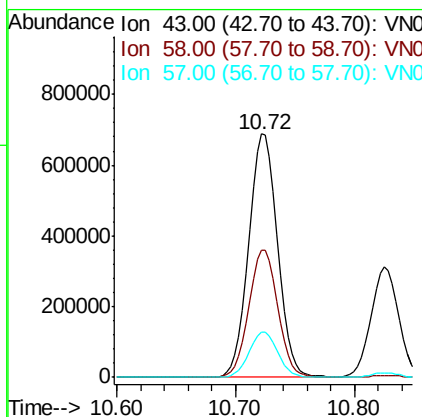
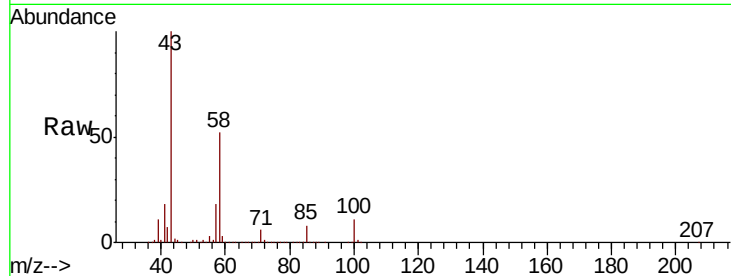




#59
2-Hexanone
Concen: 741.825 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

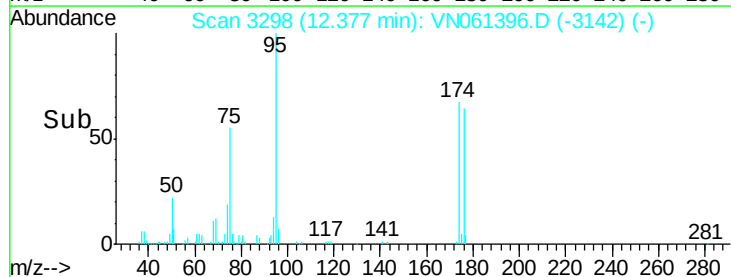
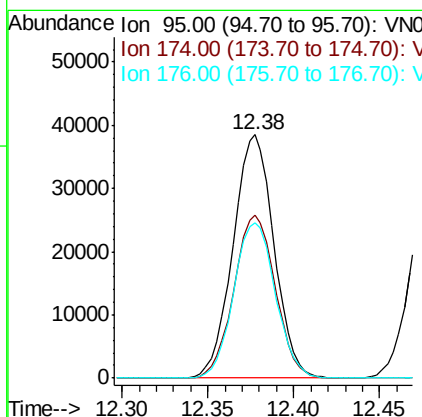
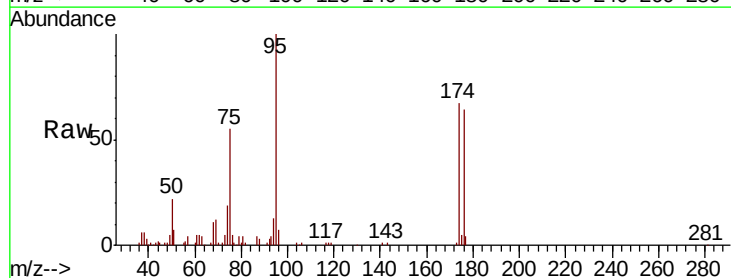
Instrument :
MSVOA_N
ClientSampled :

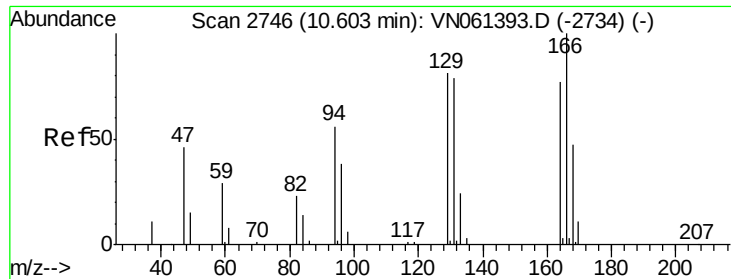
Tot Ion: 43 Resp: 1153301
Ion Ratio Lower Upper
43 100
58 52.7 41.4 62.0
57 18.5 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 31.407 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion: 95 Resp: 63932
Ion Ratio Lower Upper
95 100
174 67.7 59.9 89.9
176 64.8 58.3 87.5





#61

Tetrachloroethene

Concen: 154.544 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 231193

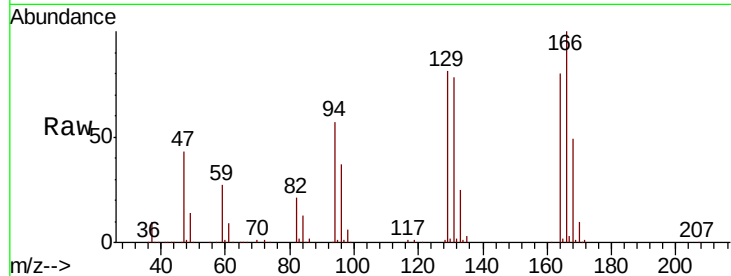
Ion Ratio Lower Upper

164 100

166 125.1 101.4 152.2

129 102.0 78.1 117.1

131 97.0 73.2 109.8

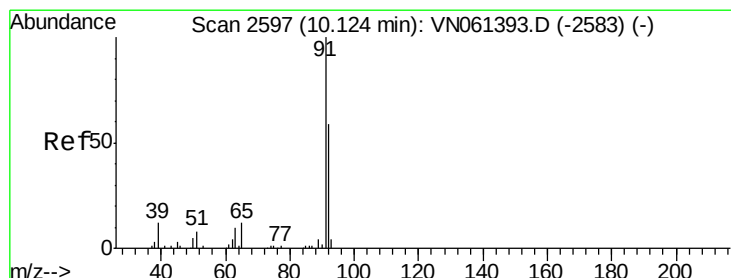
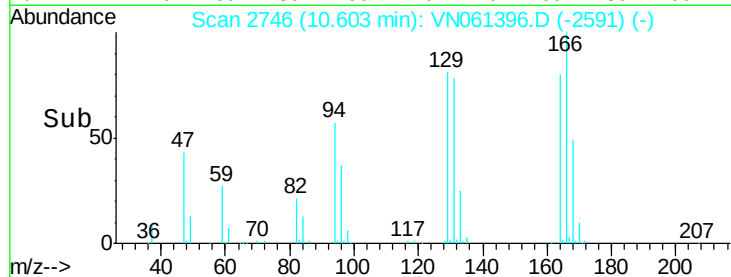
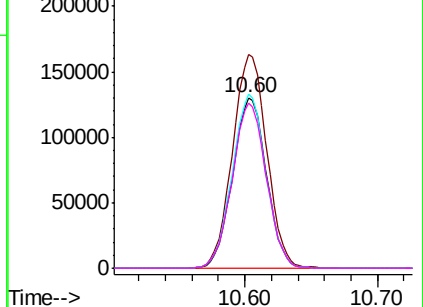


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 151.775 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061396.D

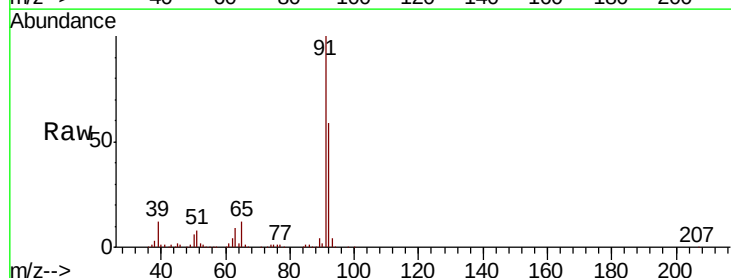
Acq: 14 May 2020 15:46

Tgt Ion: 91 Resp: 1056652

Ion Ratio Lower Upper

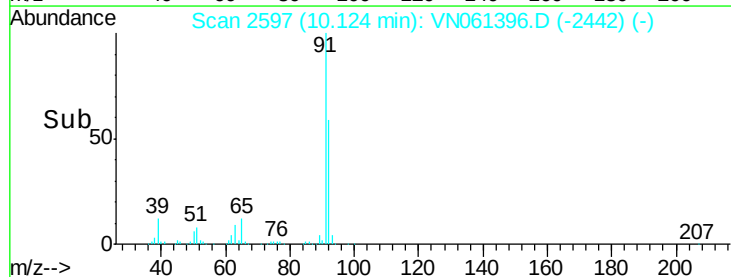
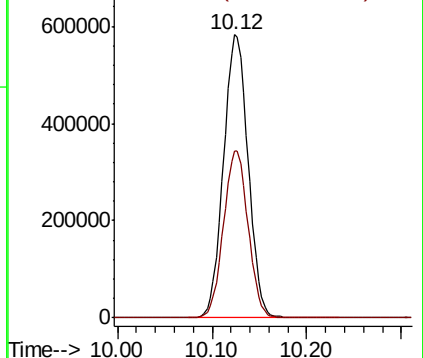
91 100

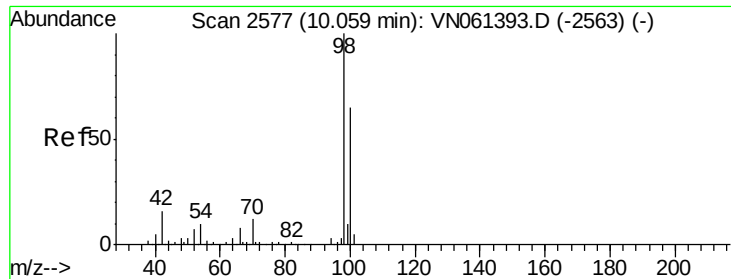
92 58.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.811 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

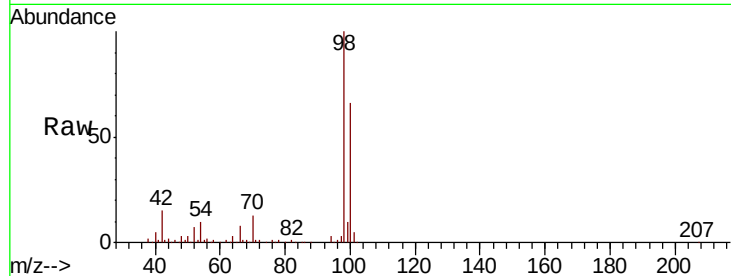
ClientSampleId :

Tot Ion: 98 Resp: 166334

Ion Ratio Lower Upper

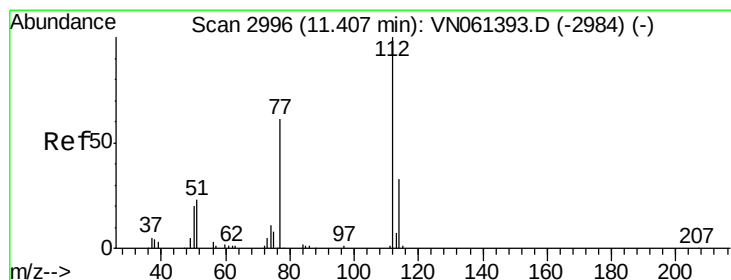
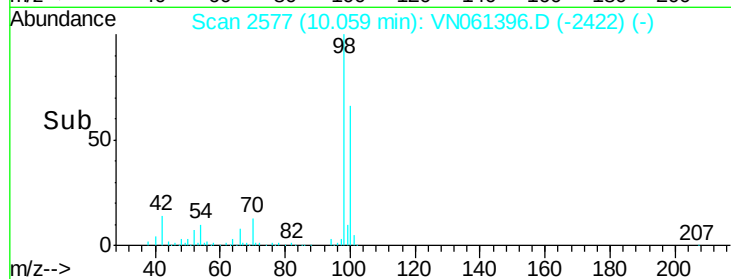
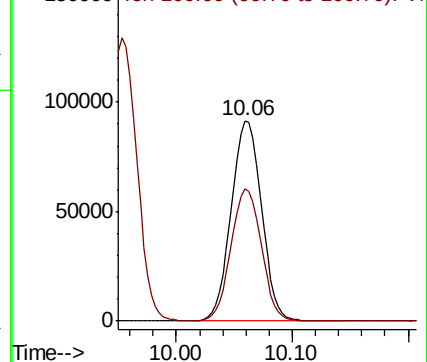
98 100

100 65.4 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN061396.D (-2563) (-)

Ion 100.00 (99.70 to 100.70): VN061396.D (-2563) (-)



#64

Chlorobenzene

Concen: 154.875 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061396.D

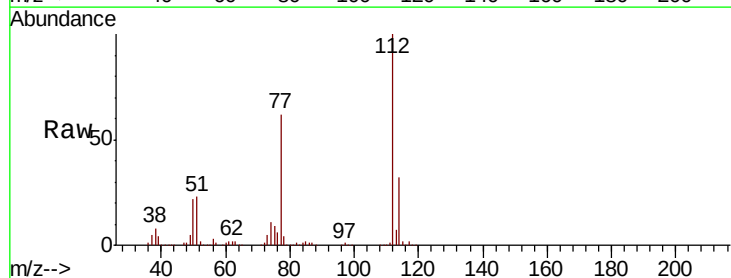
Acq: 14 May 2020 15:46

Tgt Ion: 112 Resp: 635568

Ion Ratio Lower Upper

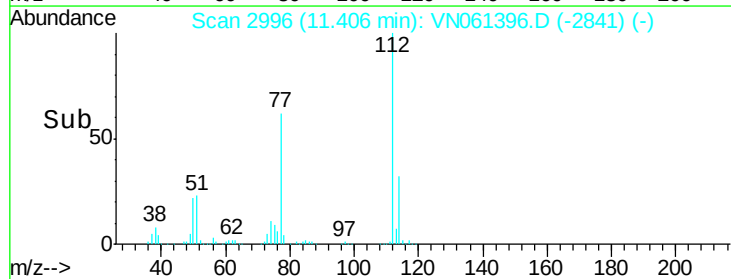
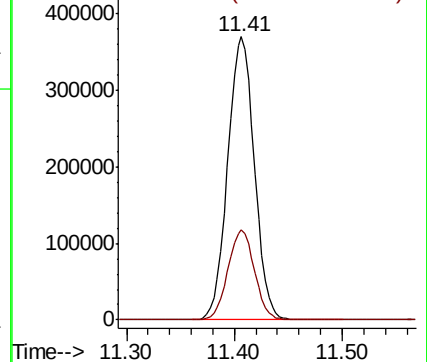
112 100

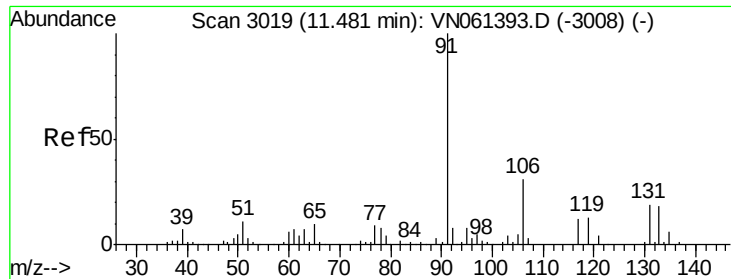
114 31.7 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN061396.D (-2841) (-)

Ion 114.00 (113.70 to 114.70): VN061396.D (-2841) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 155.651 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

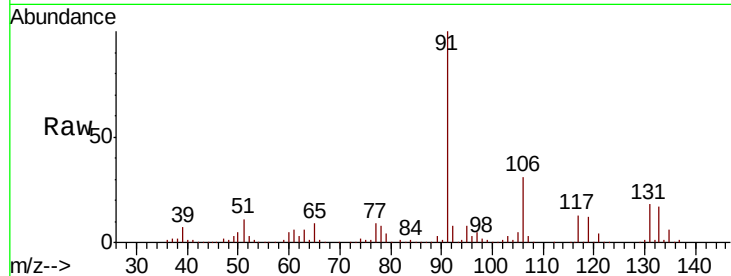
Tot Ion:131 Resp: 233159

Ion Ratio Lower Upper

131 100

133 94.9 0.0 194.0

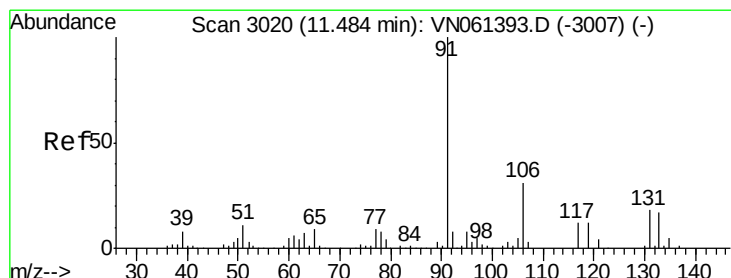
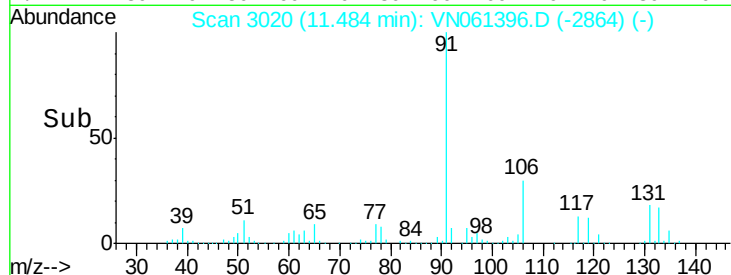
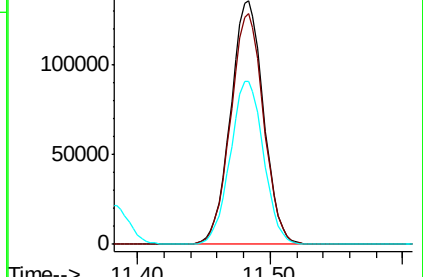
119 67.8 0.0 136.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 152.933 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN061396.D

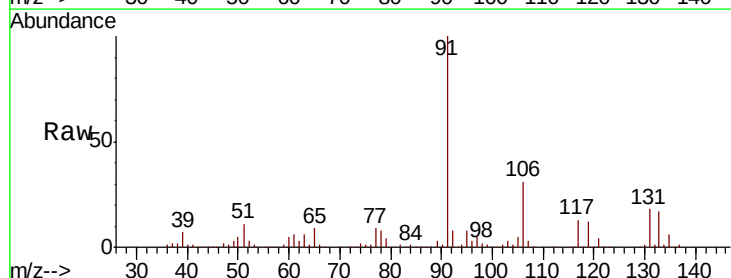
Acq: 14 May 2020 15:46

Tgt Ion: 91 Resp: 1220018

Ion Ratio Lower Upper

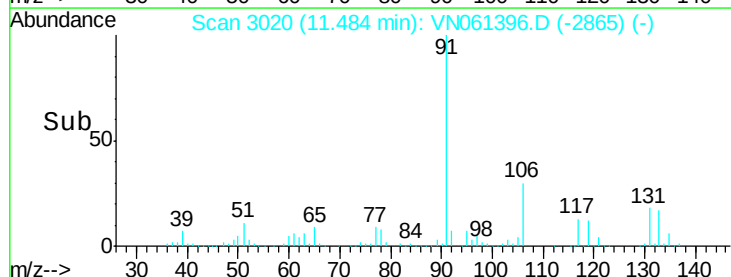
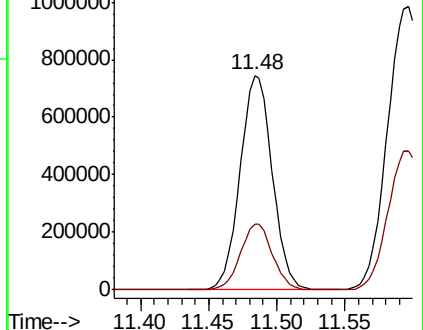
91 100

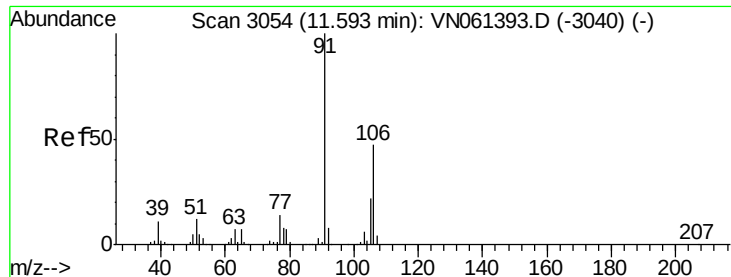
106 30.9 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 314.728 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

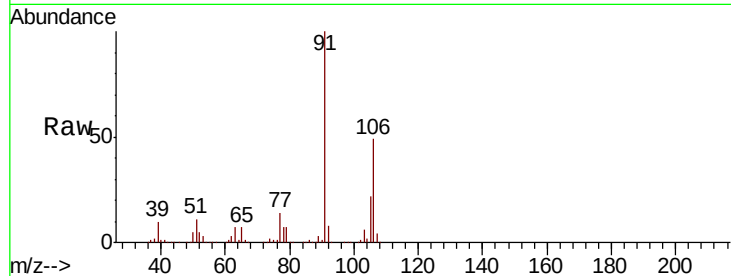
ClientSampleId :

Tot Ion:106 Resp: 921722

Ion Ratio Lower Upper

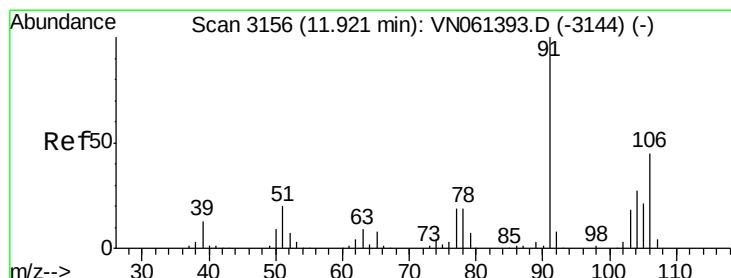
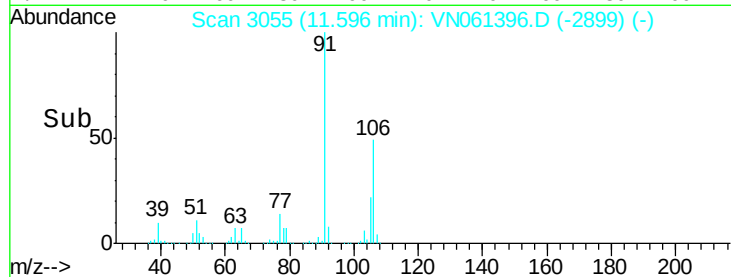
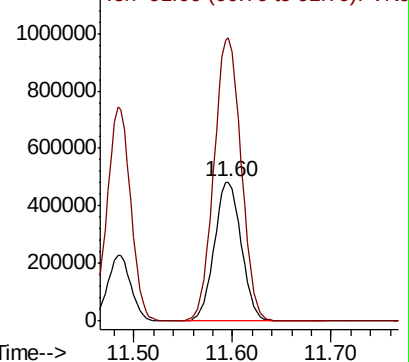
106 100

91 205.9 165.6 248.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 157.628 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN061396.D

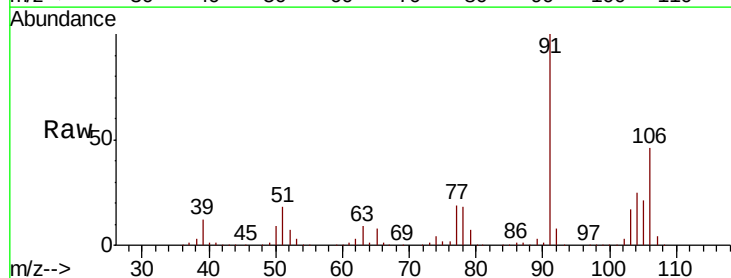
Acq: 14 May 2020 15:46

Tgt Ion:106 Resp: 440427

Ion Ratio Lower Upper

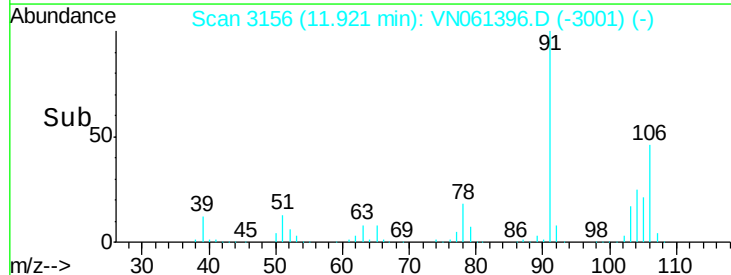
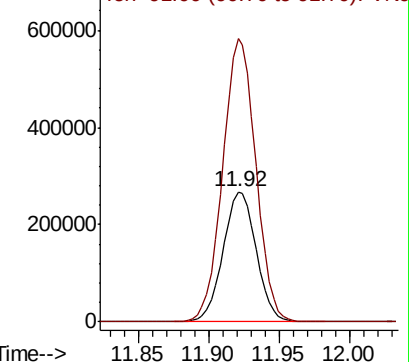
106 100

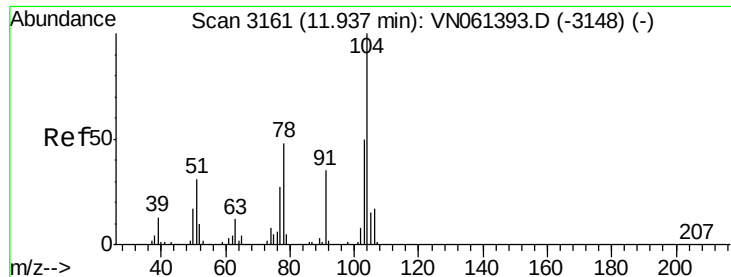
91 217.7 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

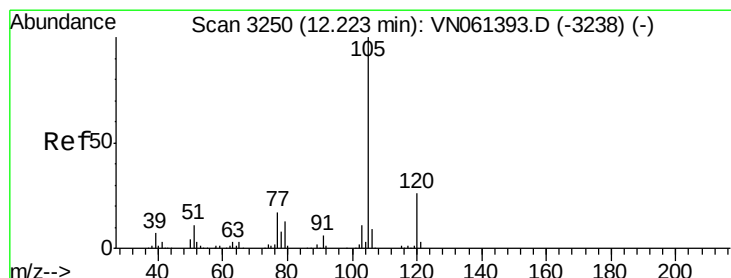
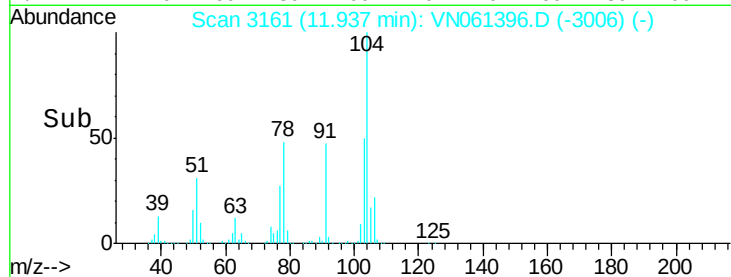
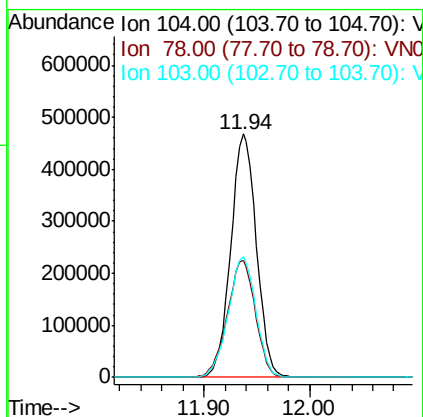
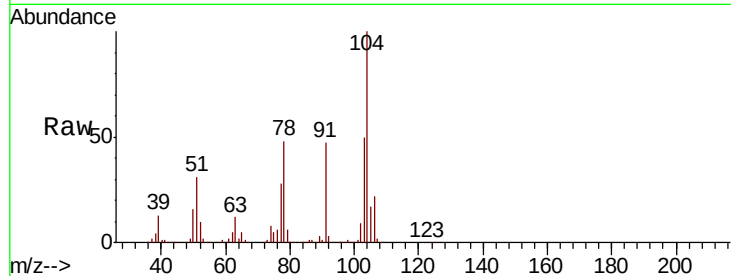




#69
Stvrene
Concen: 164.465 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

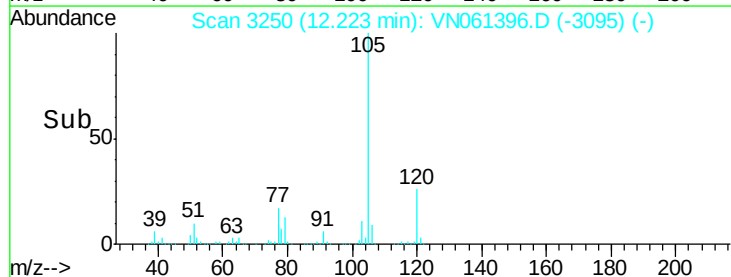
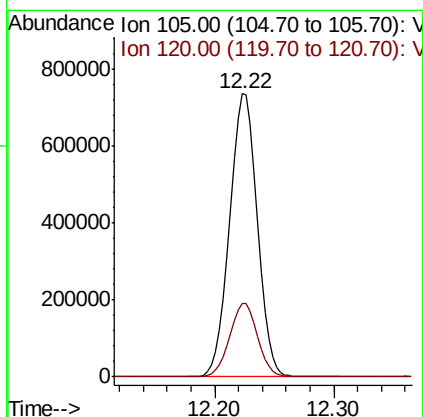
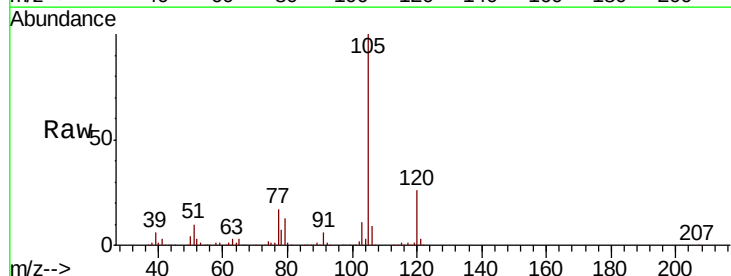
Instrument :
MSVOA_N
ClientSampled :

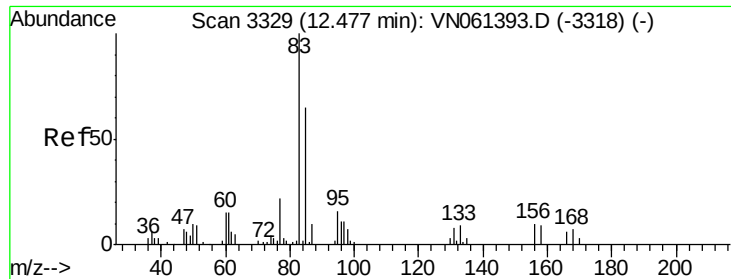
Tot Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	52.8	42.4	63.6
103	103	53.6	44.6	66.8



#70
Isopropylbenzene
Concen: 156.425 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion	Ion	Ratio	Lower	Upper
105	105	100		
120	120	26.1	18.4	34.2

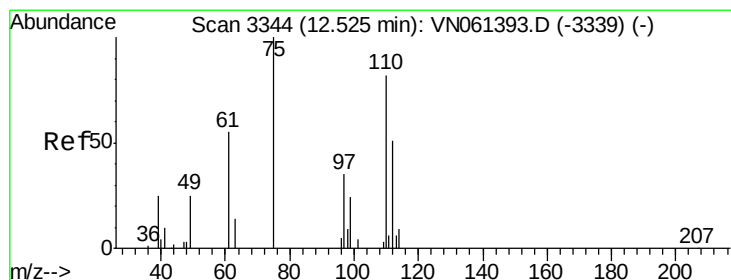
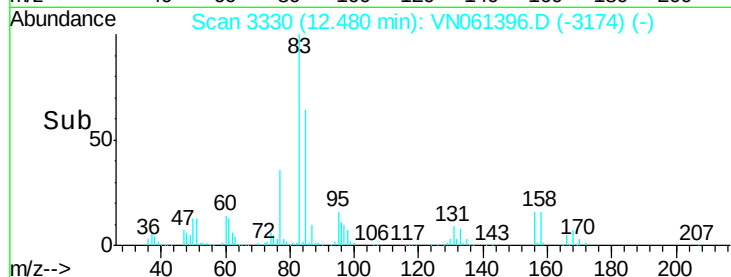
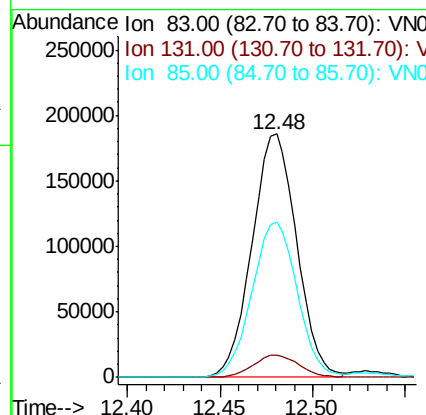
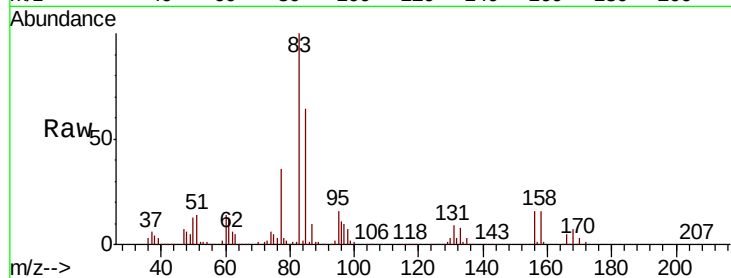




#71
 1,1,2,2-Tetrachloroethane
 Concen: 147.116 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

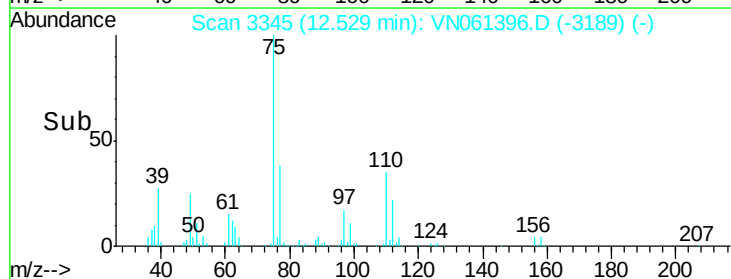
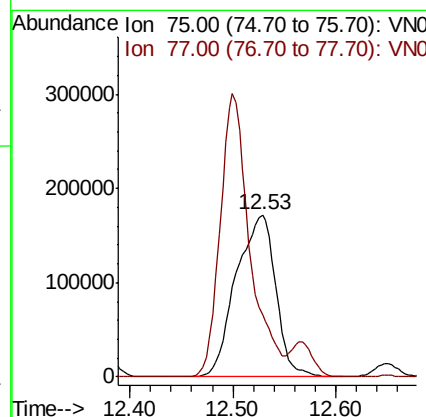
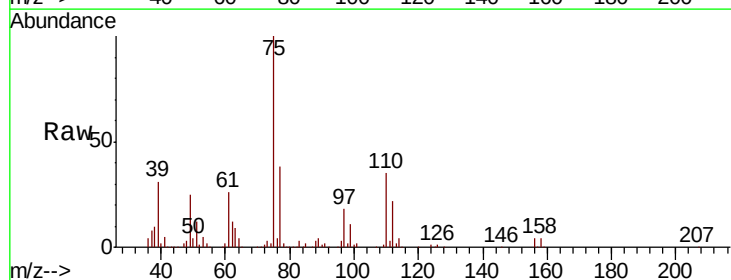
Instrument :
 MSVOA_N
 ClientSampled :

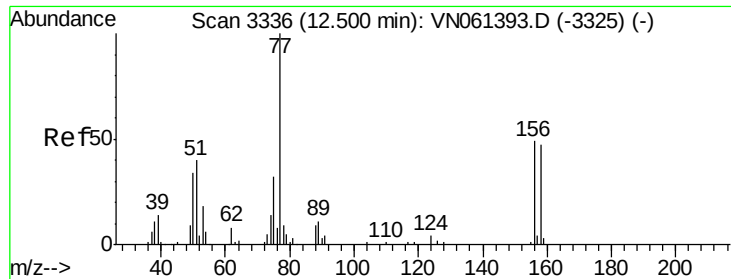
Tot Ion	83	Resp	312010
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	64.6	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 231.166 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion	75	Resp	458873
Ion Ratio	Lower	Upper	
75	100		
77	131.2	0.0	359.4





#73

Bromobenzene

Concen: 160.978 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampled :

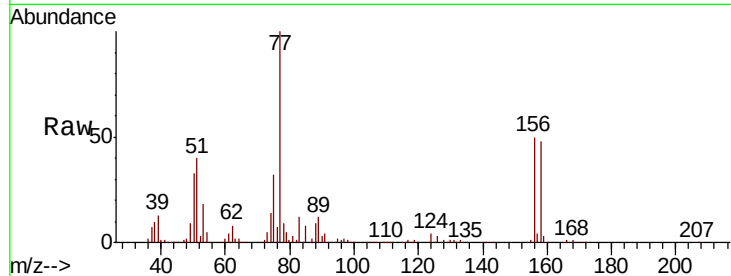
Tot Ion:156 Resp: 252019

Ion Ratio Lower Upper

156 100

77 239.0 0.0 456.0

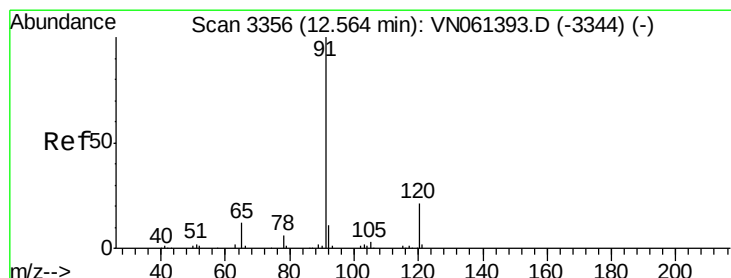
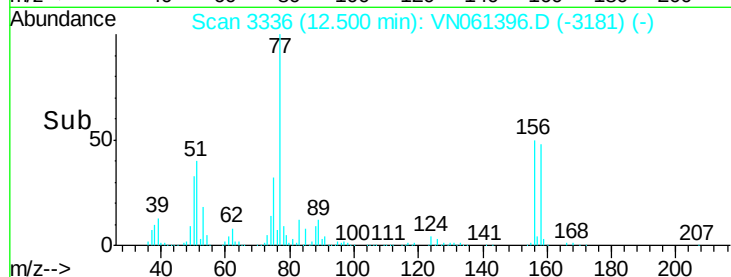
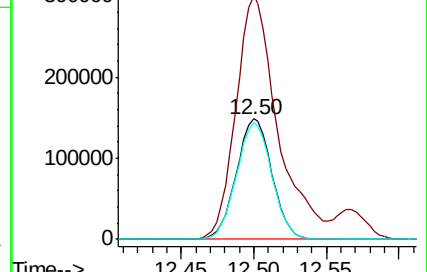
158 96.7 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 154.687 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061396.D

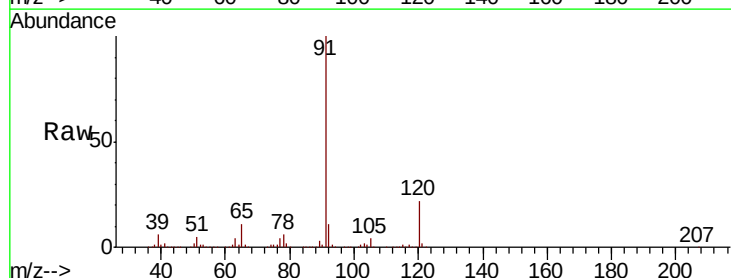
Acq: 14 May 2020 15:46

Tgt Ion: 91 Resp: 1397796

Ion Ratio Lower Upper

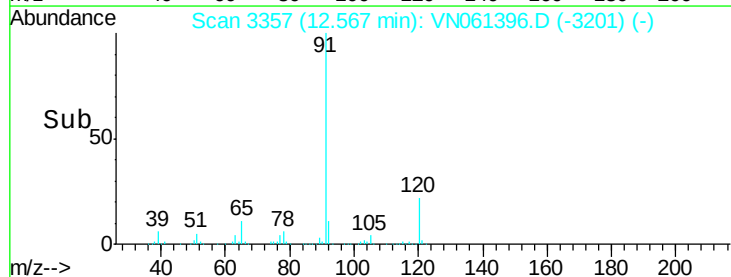
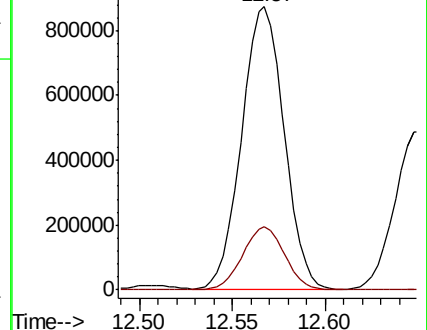
91 100

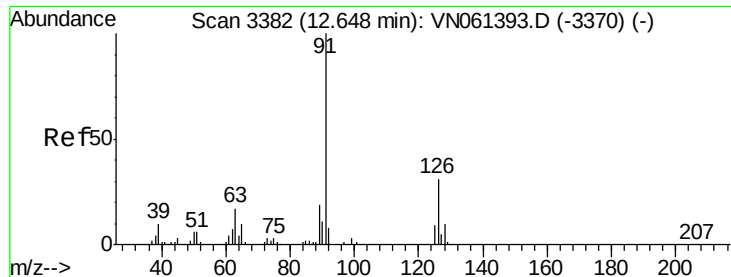
120 22.0 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 154.958 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

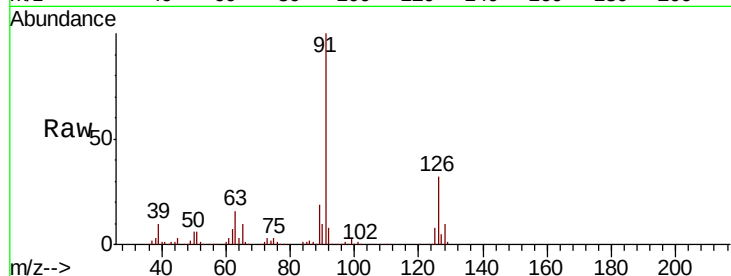
ClientSampleId :

Tot Ion: 91 Resp: 802700

Ion Ratio Lower Upper

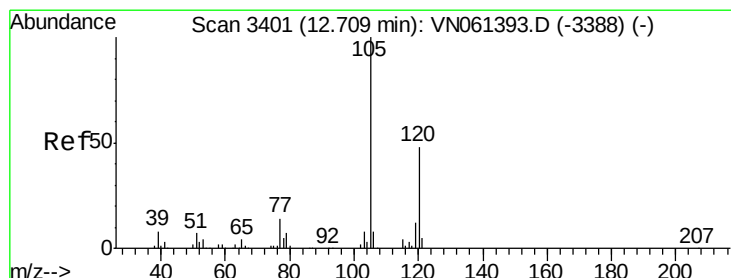
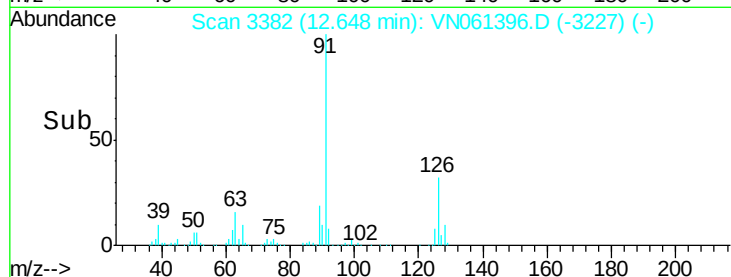
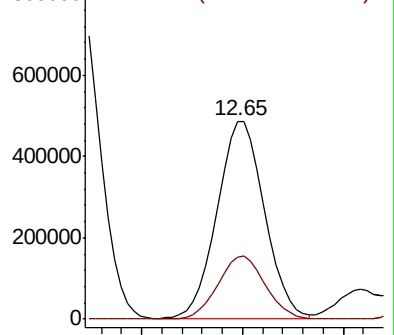
91 100

126 31.7 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): VN061393.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN061393.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 157.046 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061396.D

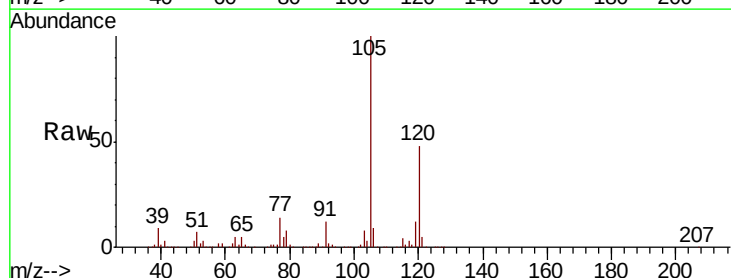
Acq: 14 May 2020 15:46

Tgt Ion: 105 Resp: 998502

Ion Ratio Lower Upper

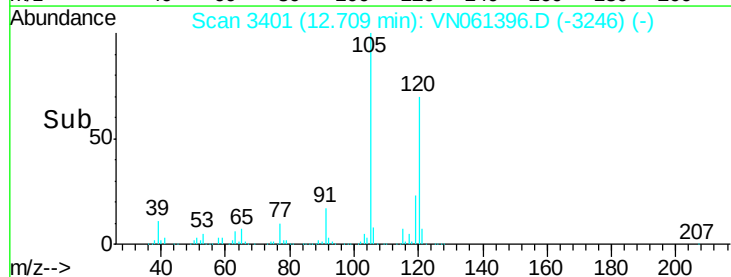
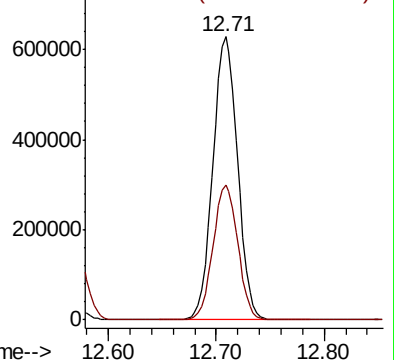
105 100

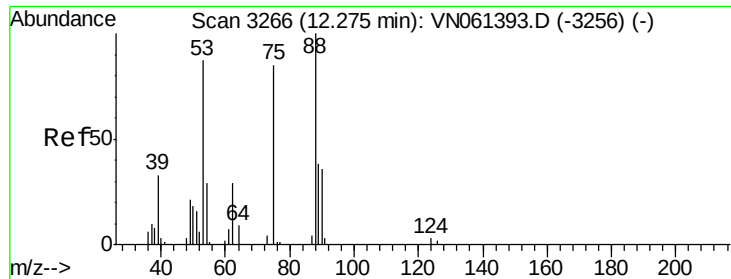
120 47.8 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN061393.D (-3388) (-)

Ion 120.00 (119.70 to 120.70): VN061393.D (-3388) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 162.880 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

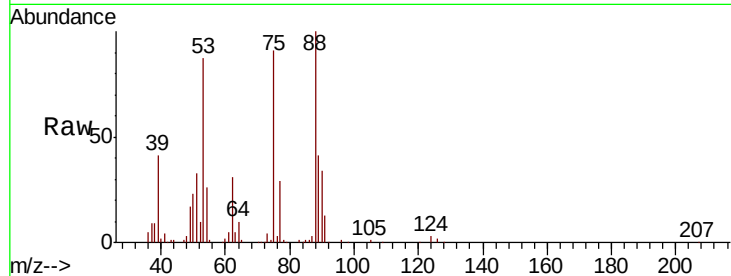
Tot Ion: 75 Resp: 134296

Ion Ratio Lower Upper

75 100

53 95.6 50.0 150.0

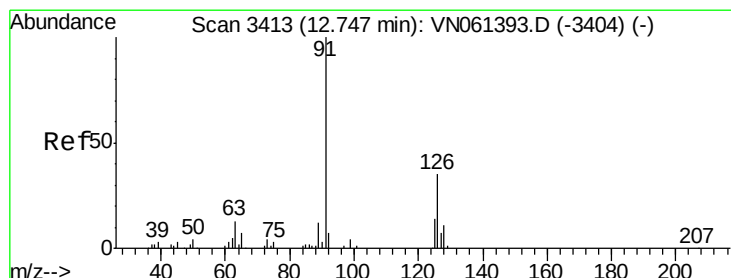
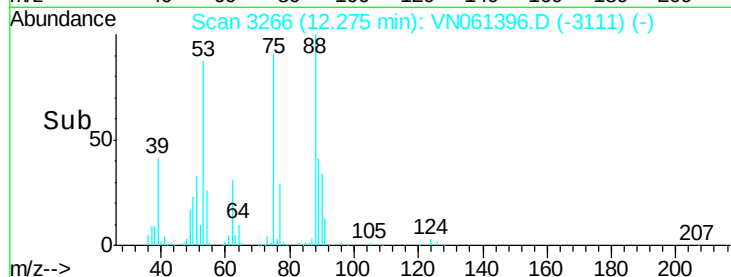
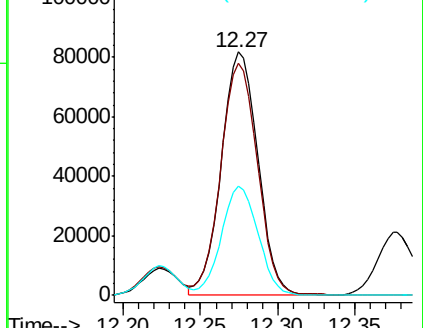
89 45.0 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN061396.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061396.D (-3256) (-)

Ion 89.00 (88.70 to 89.70): VN061396.D (-3256) (-)



#78

4-Chlorotoluene

Concen: 159.942 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061396.D

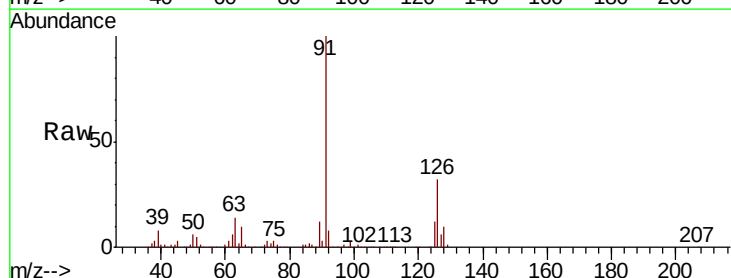
Acq: 14 May 2020 15:46

Tgt Ion: 91 Resp: 861895

Ion Ratio Lower Upper

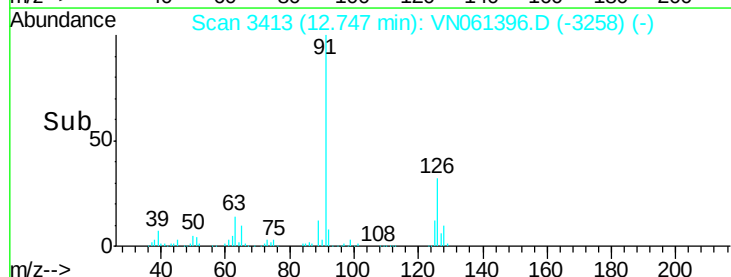
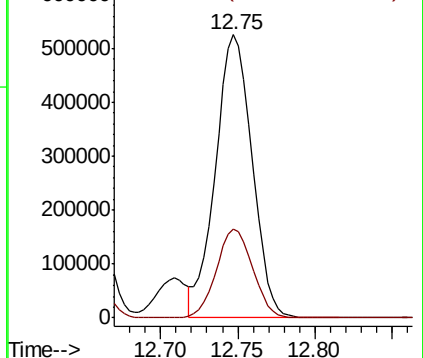
91 100

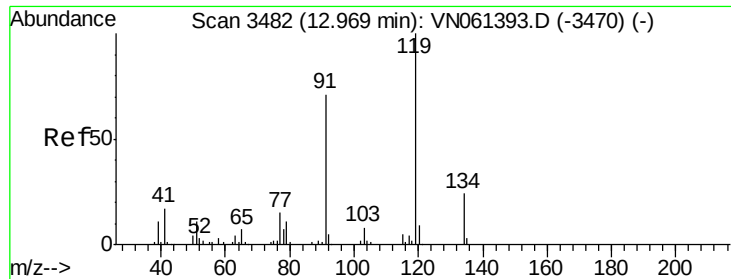
126 31.3 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VN061396.D (-3404) (-)

Ion 126.00 (125.70 to 126.70): VN061396.D (-3404) (-)

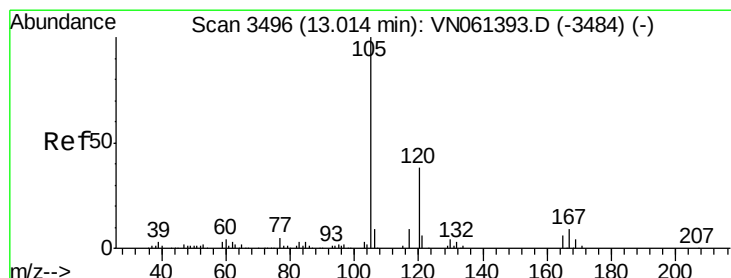
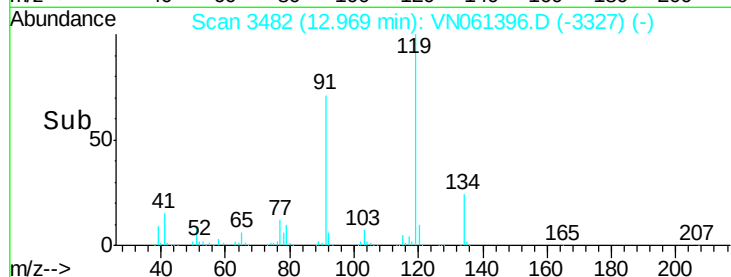
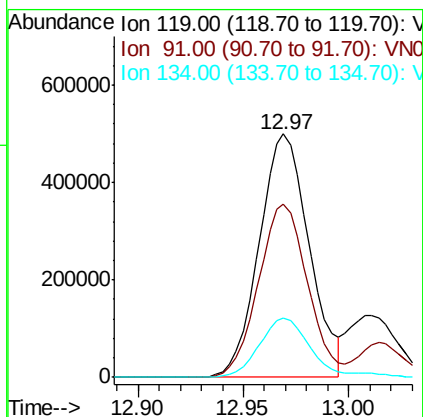
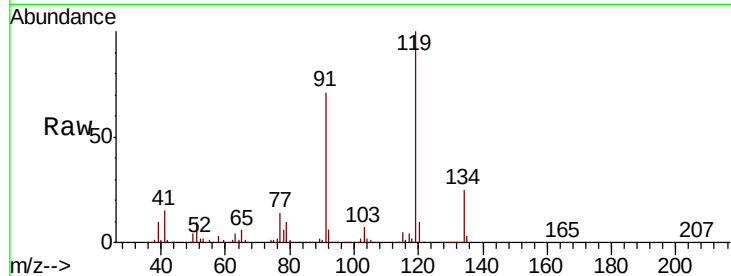




#79
tert-butylbenzene
Concen: 155.635 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

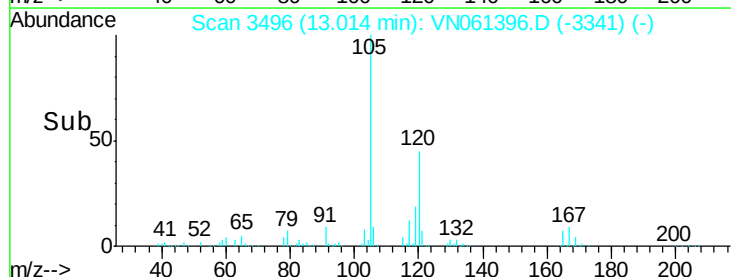
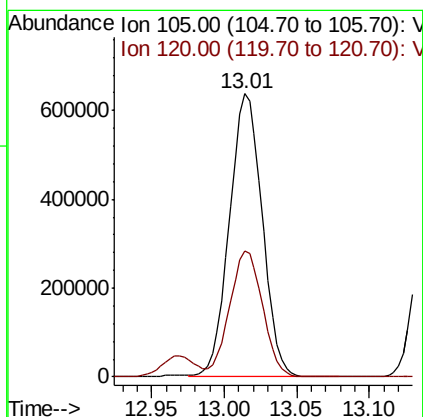
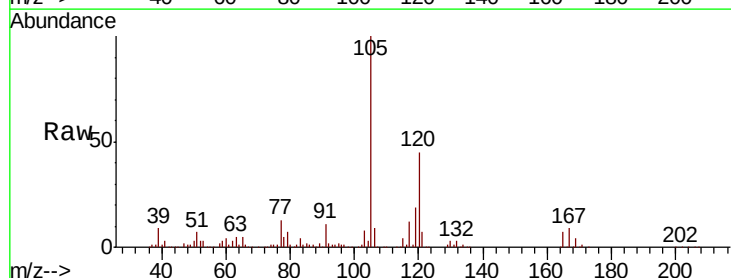
Instrument :
MSVOA_N
ClientSampleId :

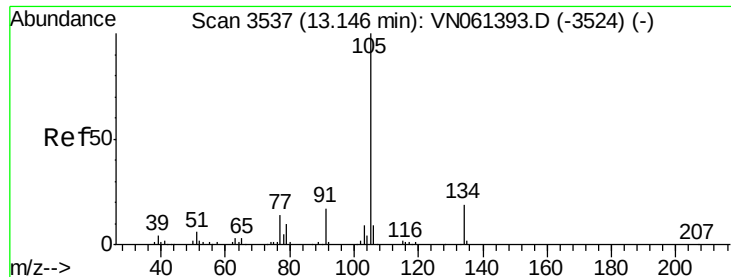
Tot Ion:119 Resp: 823524
Ion Ratio Lower Upper
119 100
91 70.0 0.0 136.4
134 25.5 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 157.940 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion:105 Resp: 1001144
Ion Ratio Lower Upper
105 100
120 45.1 0.0 89.2





#81

sec-Butylbenzene

Concen: 157.741 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

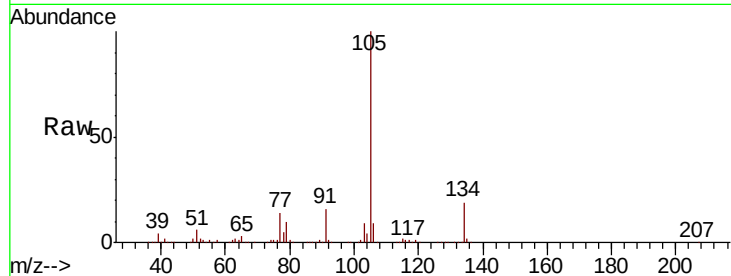
ClientSampleId :

Tot Ion:105 Resp: 1146670

Ion Ratio Lower Upper

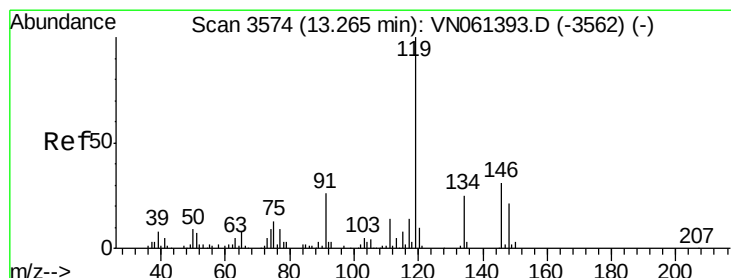
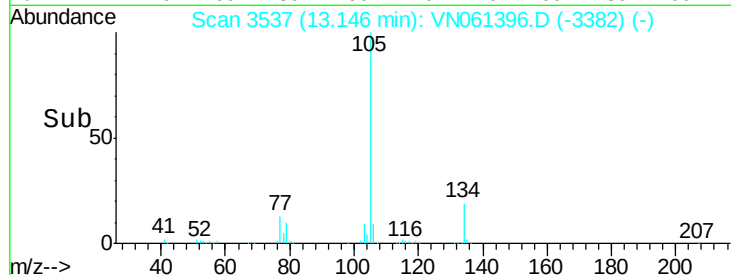
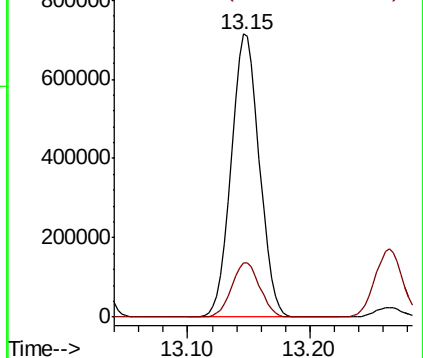
105 100

134 19.2 0.0 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 159.845 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

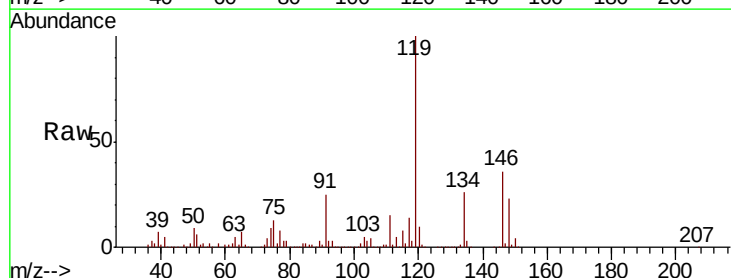
Tgt Ion:119 Resp: 1043432

Ion Ratio Lower Upper

119 100

134 25.6 0.0 50.8

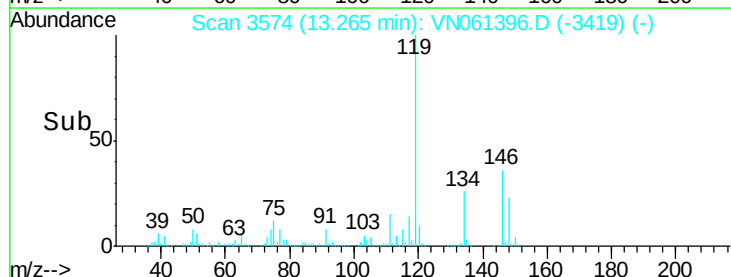
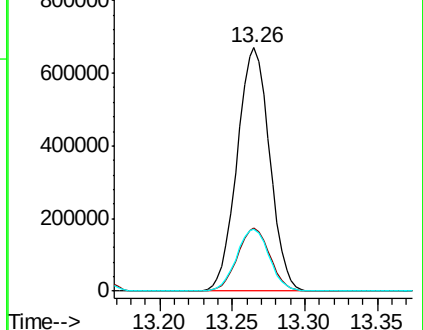
91 25.6 0.0 49.4

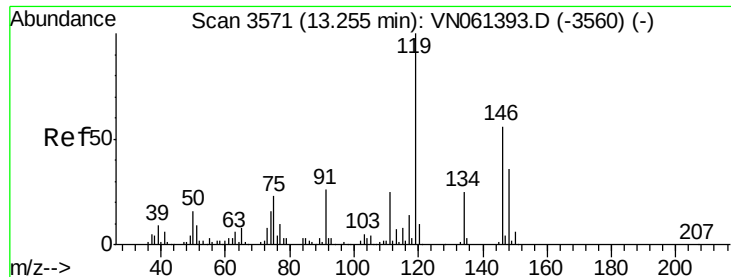


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 165.795 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061396.D

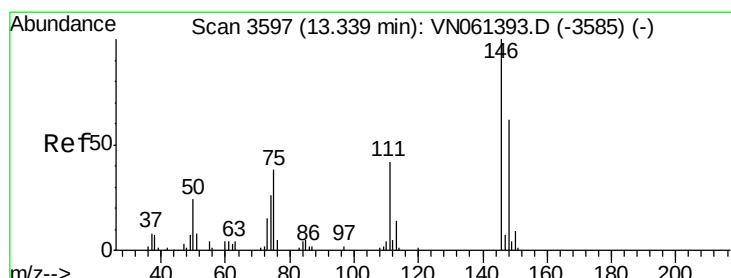
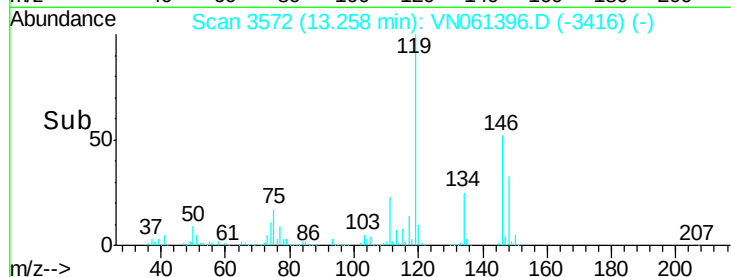
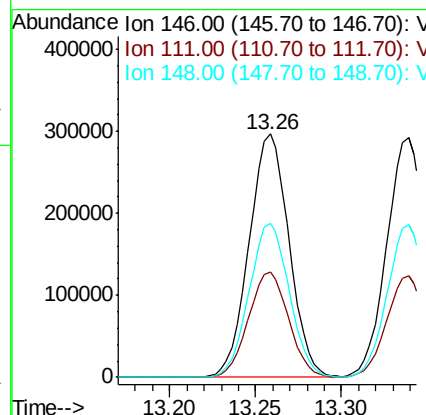
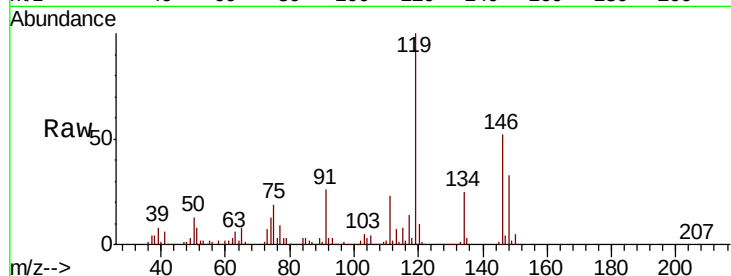
Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:146	Resp:	479367
Ion	Ratio	Lower Upper
146	100	
111	43.5	21.0 63.0
148	63.6	31.7 95.1



#84

1,4-Dichlorobenzene

Concen: 165.173 ug/l

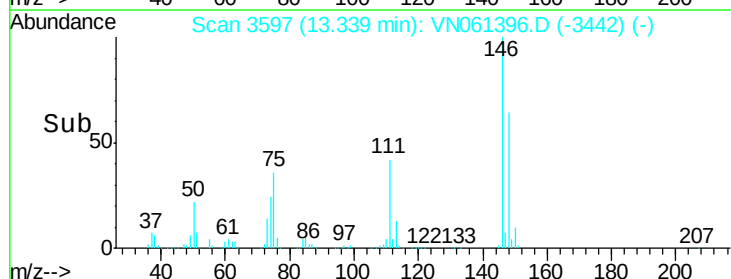
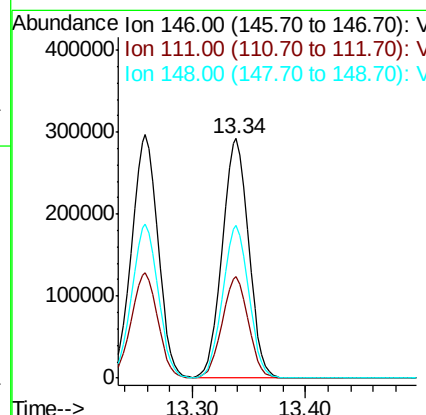
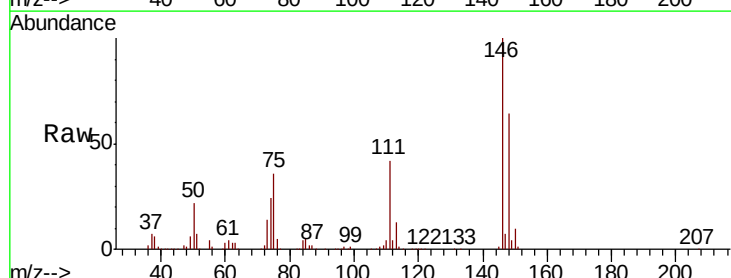
RT: 13.34 min Scan# 3597

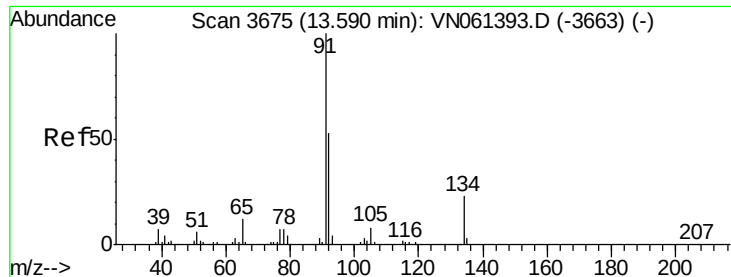
Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Tgt Ion:146	Resp:	473040
Ion	Ratio	Lower Upper
146	100	
111	41.8	19.8 59.4
148	63.3	31.6 94.8





#85

n-Butylbenzene

Concen: 160.018 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061396.D

Acq: 14 May 2020 15:46

Instrument :

MSVOA_N

ClientSampled :

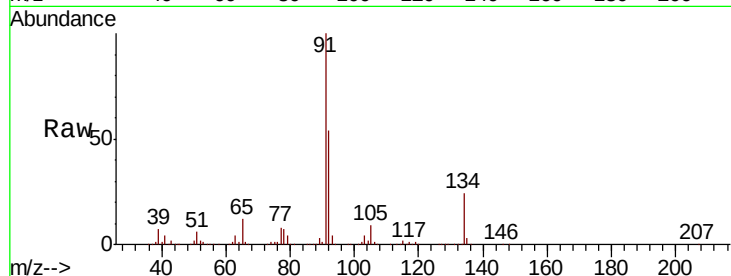
Tot Ion: 91 Resp: 966816

Ion Ratio Lower Upper

91 100

92 53.7 0.0 102.8

134 24.4 0.0 48.6

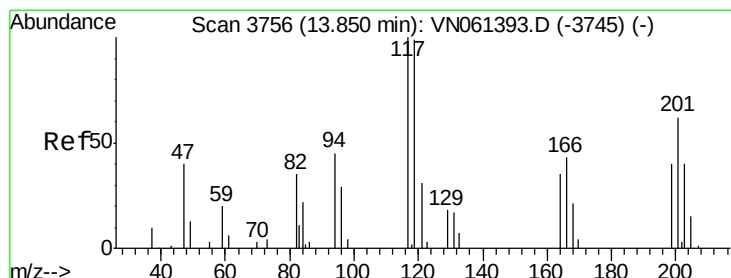
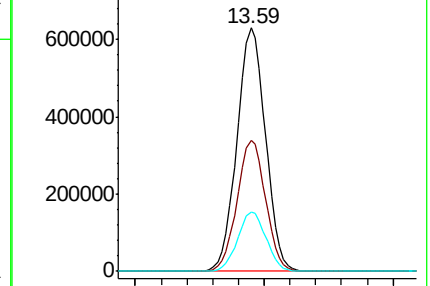
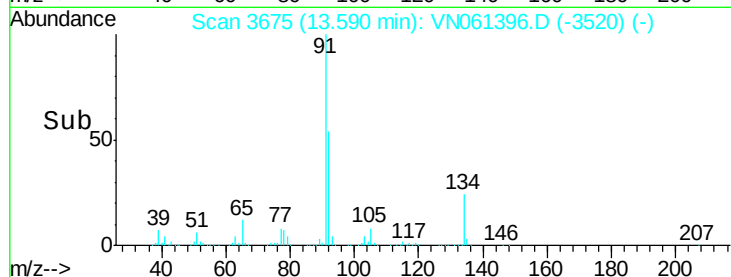


Abundance Ion 91.00 (90.70 to 91.70): VN061396.D (-3663) (-)

Ion 92.00 (91.70 to 92.70): VN061396.D (-3663) (-)

Ion 134.00 (133.70 to 134.70): VN061396.D (-3663) (-)

Time--> 13.55 13.60



#86

Hexachloroethane

Concen: 162.942 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN061396.D

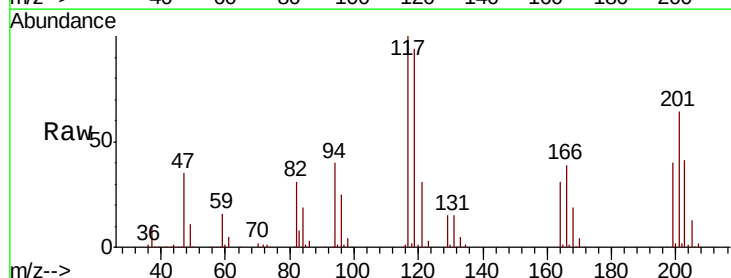
Acq: 14 May 2020 15:46

Tgt Ion: 117 Resp: 147669

Ion Ratio Lower Upper

117 100

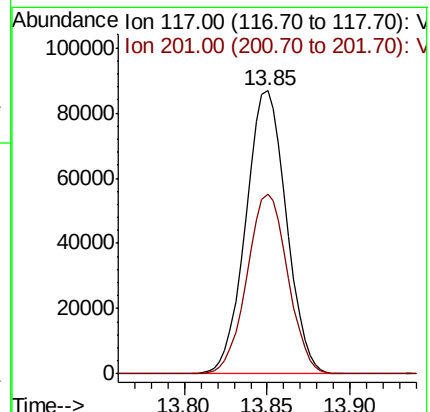
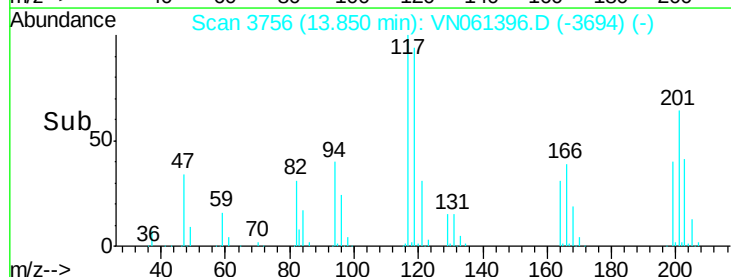
201 63.8 38.7 116.1

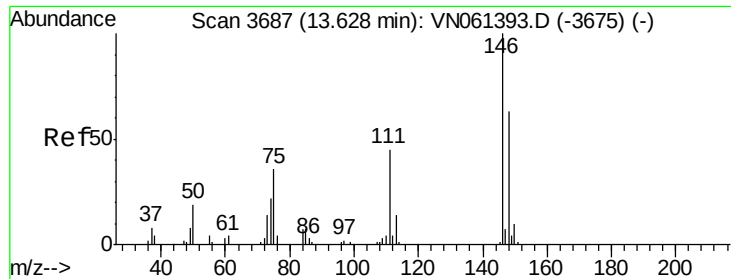


Abundance Ion 117.00 (116.70 to 117.70): VN061396.D (-3745) (-)

Ion 201.00 (200.70 to 201.70): VN061396.D (-3745) (-)

Time--> 13.80 13.85 13.90

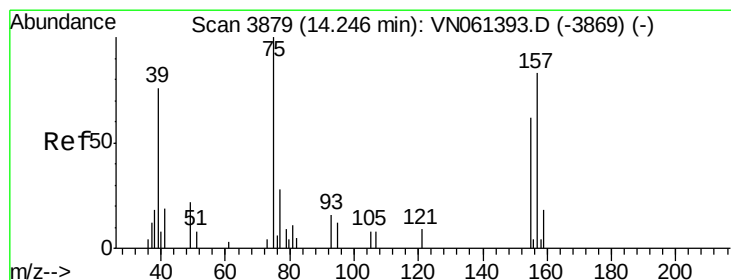
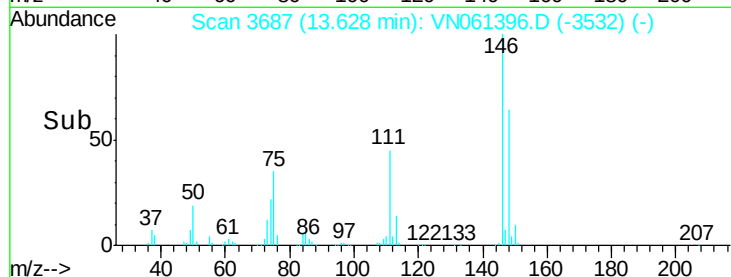
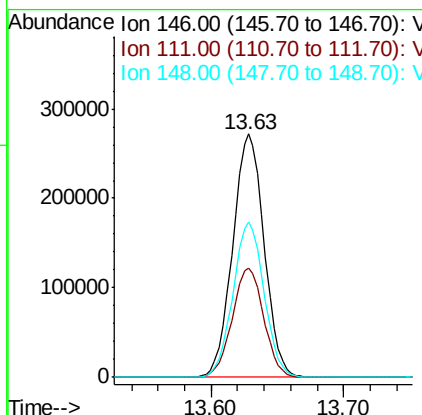
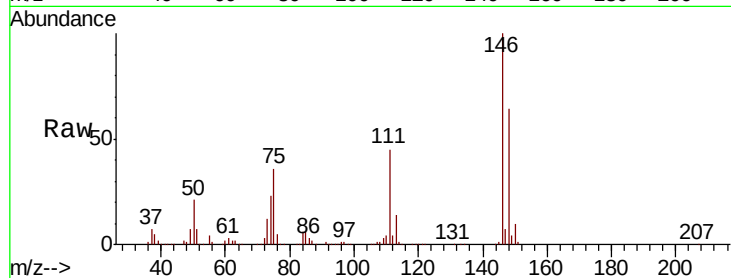




#87
 1,2-Dichlorobenzene
 Concen: 161.875 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

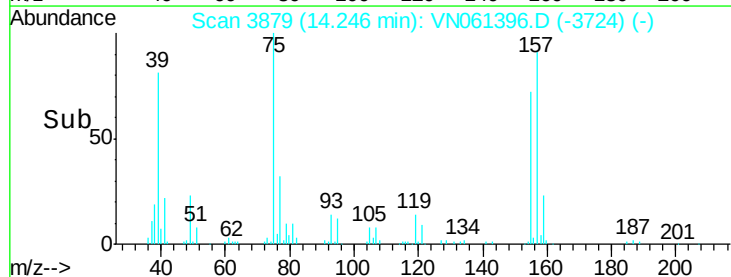
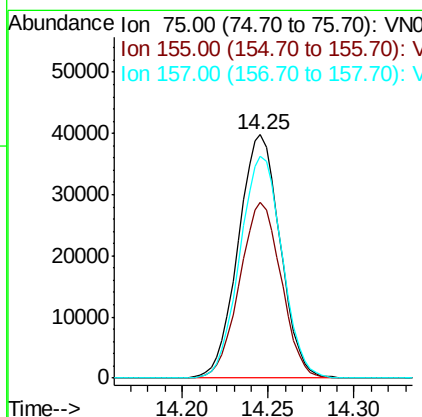
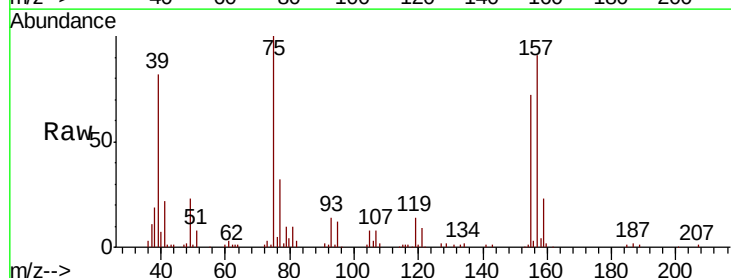
Instrument :
 MSVOA_N
 ClientSampleId :

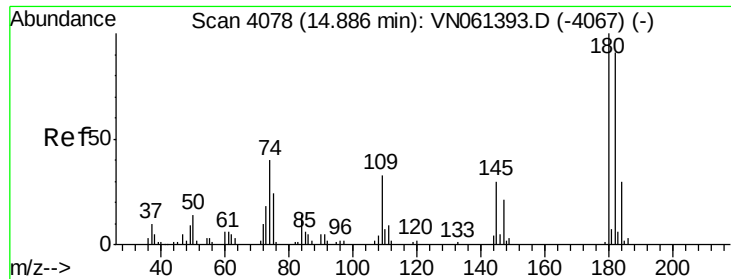
Tot Ion:146 Resp: 446255
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.8 65.4
 148 63.4 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 149.265 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion: 75 Resp: 67278
 Ion Ratio Lower Upper
 75 100
 155 71.6 58.3 87.5
 157 91.7 75.0 112.6

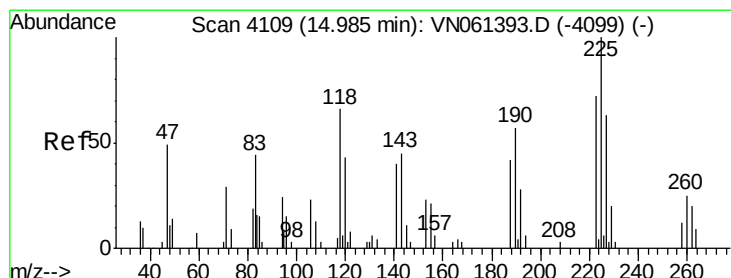
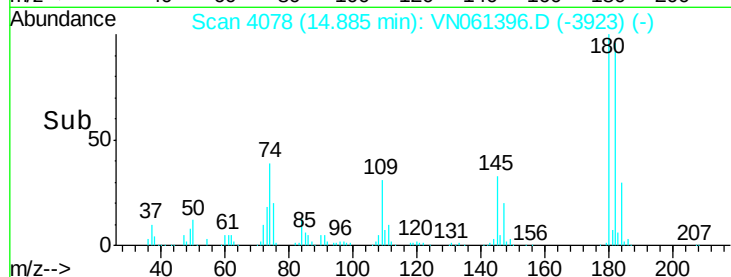
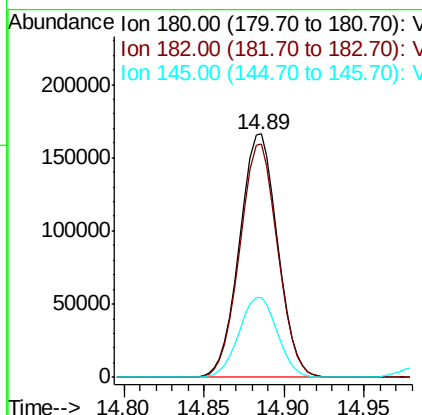
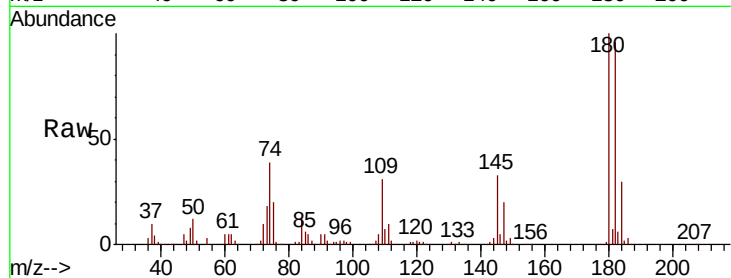




#89
 1,2,4-Trichlorobenzene
 Concen: 172.242 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

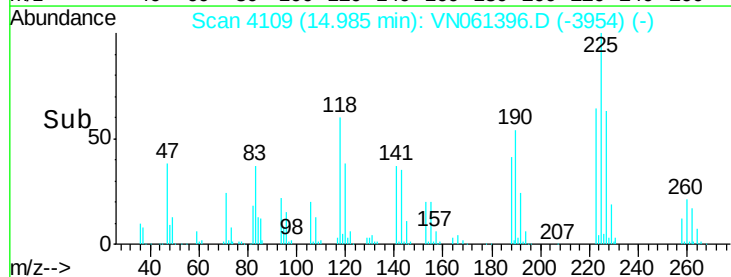
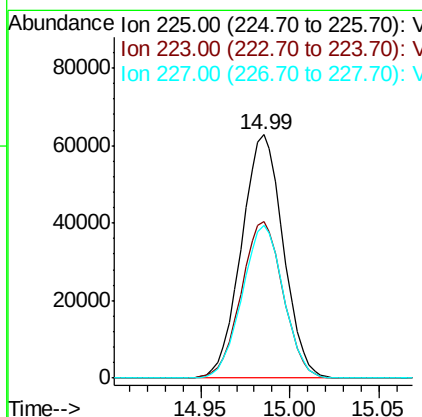
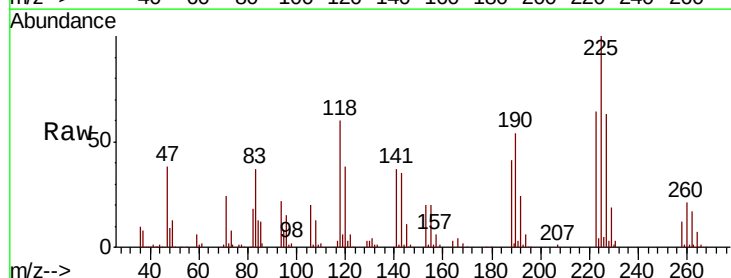
Instrument :
 MSVOA_N
 ClientSampled :

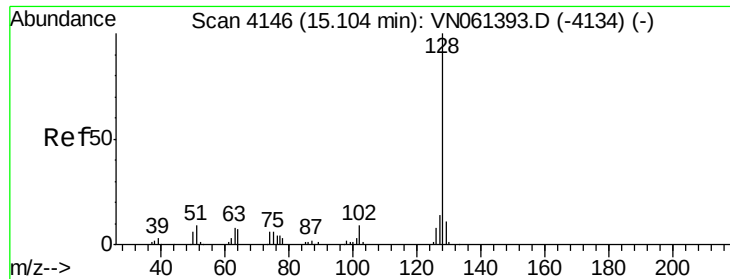
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.3	112.9
145	33.3	24.8	37.2



#90
 Hexachlorobutadiene
 Concen: 157.792 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061396.D
 Acq: 14 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	0.0	126.2
227	62.3	0.0	127.0

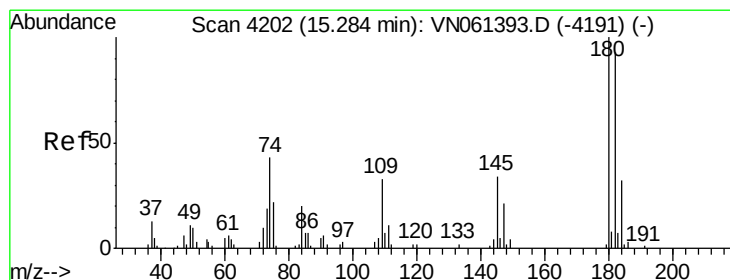
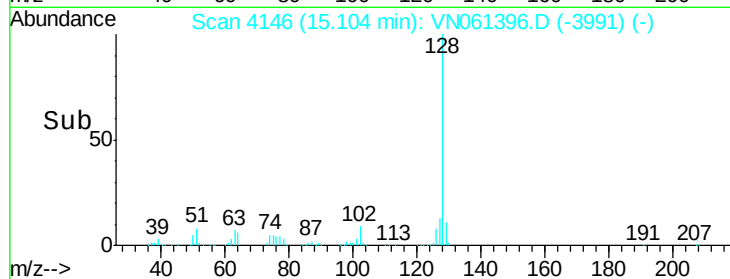
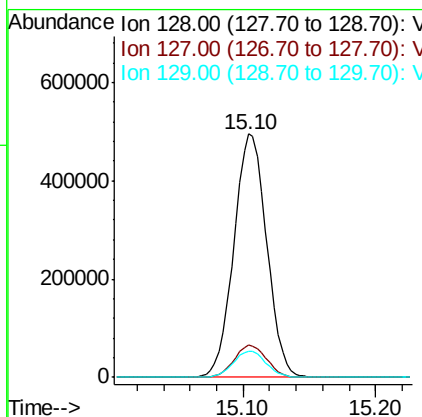
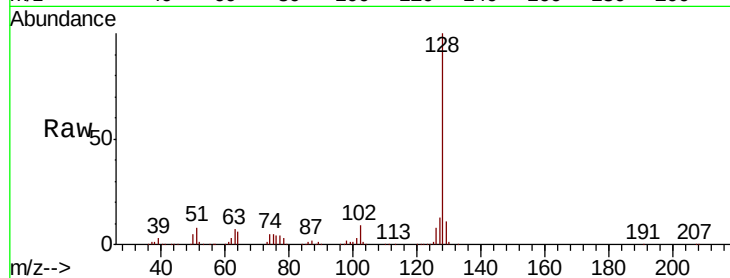




#91
Naphthalene
Concen: 173.189 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 850173
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 10.8 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 167.323 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061396.D
Acq: 14 May 2020 15:46

Tgt Ion:180 Resp: 255574
Ion Ratio Lower Upper
180 100
182 94.7 0.0 193.4
145 34.9 0.0 65.8

