

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061393.D
 Acq On : 14 May 2020 14:37
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 14 15:35:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 15:22:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	18171	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	106036	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	99359	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	49706	31.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.17%
60) 4-Bromofluorobenzene	12.37	95	49381	28.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.67%
63) Toluene-d8	10.06	98	138586	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	15748	16.849	ug/l 98
3) Chloromethane	2.03	50	31023	22.917	ug/l 99
4) Vinyl Chloride	2.16	62	41694	27.955	ug/l 99
5) Bromomethane	2.54	94	20906	24.056	ug/l 96
6) Chloroethane	2.68	64	28522	29.632	ug/l 95
7) Trichlorofluoromethane	2.98	101	44216	25.005	ug/l 98
8) Diethyl Ether	3.37	74	13488	21.061	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	18678	19.539	ug/l 95
10) 1,1-Dichloroethene	3.70	96	19237	20.330	ug/l 95
11) Methyl Iodide	3.91	142	20182	16.020	ug/l 98
12) Methyl Acetate	4.28	43	23443	16.157	ug/l 97
13) Acrolein	3.57	56	18945	109.176	ug/l 98
14) Acrylonitrile	4.93	53	56214	94.720	ug/l 97
15) Acetone	3.77	58	13613	79.934	ug/l 98
16) Carbon Disulfide	4.01	76	60068	21.443	ug/l 99
17) Allyl chloride	4.28	41	39694	20.878	ug/l 96
18) Methylene Chloride	4.50	84	22351	19.639	ug/l 93
19) trans-1,2-Dichloroethene	4.99	96	22296	21.386	ug/l 97
20) Diisopropyl ether	5.90	45	92022	23.086	ug/l 94
21) 1,1-Dichloroethane	5.80	63	48004	22.058	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	26959	21.592	ug/l 96
23) tert-Butyl Alcohol	4.73	59	18447	79.019	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	78343	21.742	ug/l 98
25) Chloroform	7.33	83	46028	21.400	ug/l 95
26) Cyclohexane	7.61	56	45792	23.442	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	37033	21.794	ug/l 98
30) 2-Butanone	6.79	43	79732	86.979	ug/l 98
31) 2,2-Dichloropropane	6.78	77	42718	21.281	ug/l # 75
32) 1,1,1-Trichloroethane	7.53	97	40734	21.022	ug/l 97
33) Carbon Tetrachloride	7.73	117	30568	18.723	ug/l 98
34) Benzene	8.00	78	105396	21.245	ug/l 98
35) Methacrylonitrile	7.13	41	19615	22.818	ug/l 90
36) 1,2-Dichloroethane	8.09	62	40473	21.342	ug/l 99
37) Trichloroethene	8.80	130	25320	20.873	ug/l 100
38) Methylcyclohexane	9.05	83	44296	22.259	ug/l 98
39) 1,2-Dichloropropane	9.08	63	29330	21.616	ug/l 99
40) Dibromomethane	9.18	93	17379	20.524	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	38466	21.837	ug/l	99
42) Vinyl Acetate	5.84	43	372595	111.309	ug/l	99
43) Ethyl Acetate	6.88	43	36141	19.713	ug/l	94
44) Isopropyl Acetate	8.12	43	66100	21.627	ug/l	99
45) 1,4-Dioxane	9.17	88	5006	238.424	ug/l #	90
46) Methyl methacrylate	9.17	41	30831	21.812	ug/l	93
47) n-amyl Acetate	12.04	43	57750	21.284	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	45231	21.985	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	47338	21.988	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	24053	20.005	ug/l	99
51) Ethyl methacrylate	10.40	69	41926	21.279	ug/l	93
52) 1,3-Dichloropropane	10.68	76	45731	21.068	ug/l	99
53) Dibromochloromethane	10.87	129	26273	20.204	ug/l	98
54) 1,2-Dibromoethane	10.98	107	24954	19.960	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	91519	97.306	ug/l	99
56) Bromoform	12.10	173	16026	18.048	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	180365	101.031	ug/l	99
59) 2-Hexanone	10.72	43	127380	92.100	ug/l	99
61) Tetrachloroethene	10.60	164	24132	22.166	ug/l	93
62) Toluene	10.12	91	112011	20.938	ug/l	98
64) Chlorobenzene	11.41	112	65662	20.224	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	24020	19.795	ug/l	99
66) Ethyl Benzene	11.48	91	127085	21.334	ug/l	99
67) m/p-Xylenes	11.59	106	93318	42.015	ug/l	98
68) o-Xylene	11.92	106	45138	20.943	ug/l	98
69) Styrene	11.94	104	75236	21.018	ug/l	98
70) Isopropylbenzene	12.22	105	120276	20.777	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	34188	18.094	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	48051	27.708	ug/l	65
73) Bromobenzene	12.50	156	24530	17.974	ug/l	89
74) n-propylbenzene	12.56	91	142951	21.090	ug/l	99
75) 2-Chlorotoluene	12.65	91	82862	20.371	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	100828	20.397	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	13018	19.416	ug/l	97
78) 4-Chlorotoluene	12.75	91	85502	20.352	ug/l	99
79) tert-butylbenzene	12.97	119	84213	20.024	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	99308	20.259	ug/l	99
81) sec-Butylbenzene	13.15	105	116169	20.454	ug/l	99
82) p-Isopropyltoluene	13.27	119	103520	20.287	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	44956	18.148	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	45122	18.227	ug/l	98
85) n-Butylbenzene	13.59	91	95541	20.294	ug/l	98
86) Hexachloroethane	13.85	117	13865	15.711	ug/l	83
87) 1,2-Dichlorobenzene	13.63	146	44081	18.031	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	7479	17.828	ug/l	90
89) 1,2,4-Trichlorobenzene	14.89	180	25303	16.606	ug/l	96
90) Hexachlorobutadiene	14.99	225	10092	13.361	ug/l	96
91) Naphthalene	15.10	128	78000	17.234	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	24365	16.474	ug/l	97

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 14 15:22:52 2020
Response via : Initial Calibration

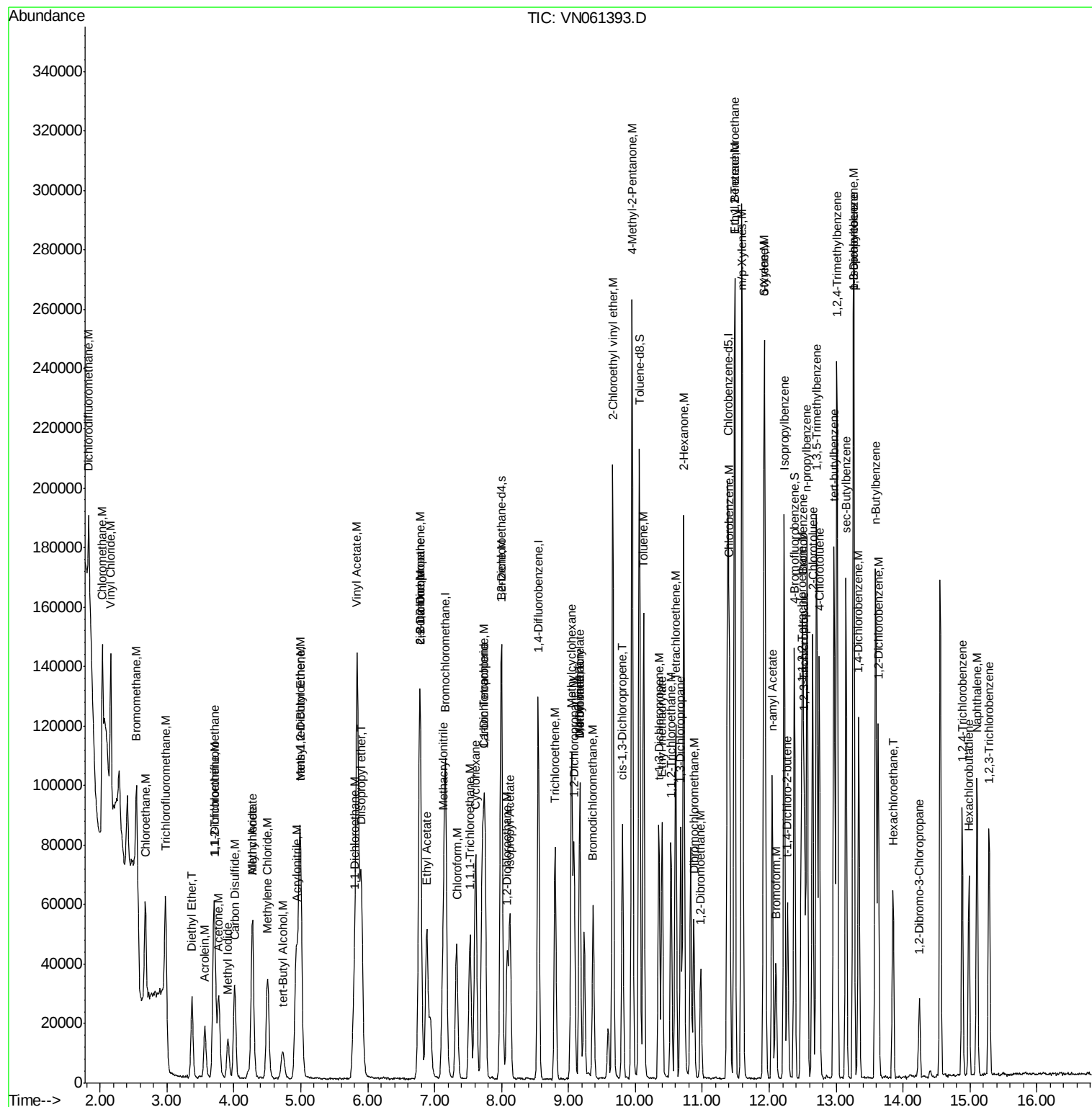
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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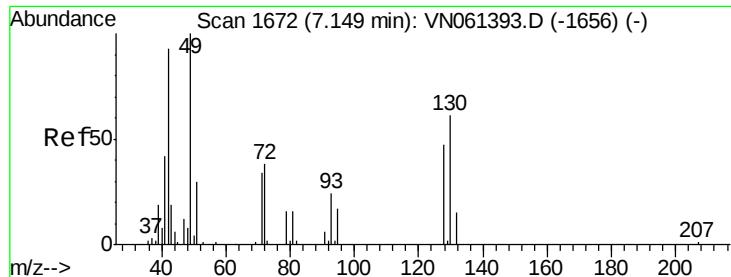
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VN061393.D
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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :

Quant Time: May 14 15:35:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 15:22:52 2020
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampled :

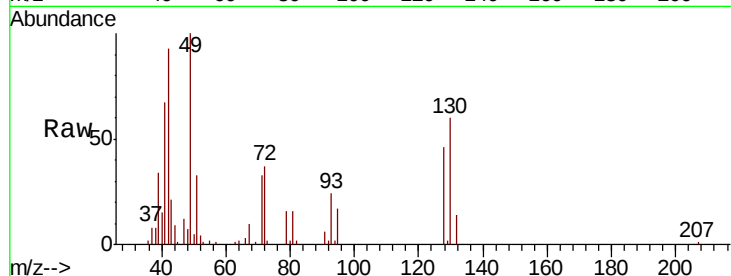
Tot Ion:128 Resp: 18171

Ion Ratio Lower Upper

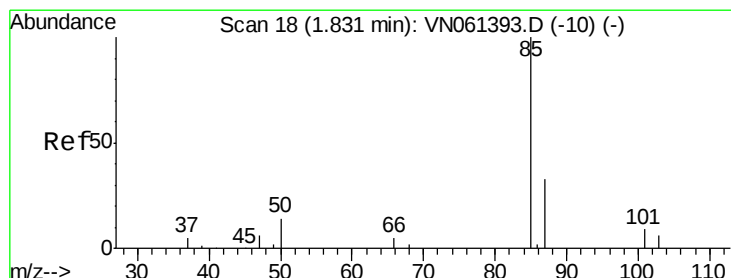
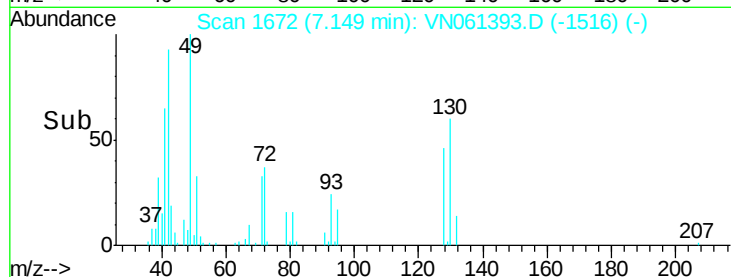
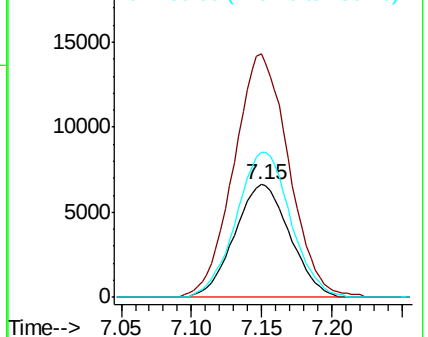
128 100

49 214.4 0.0 453.5

130 127.2 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 16.849 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061393.D

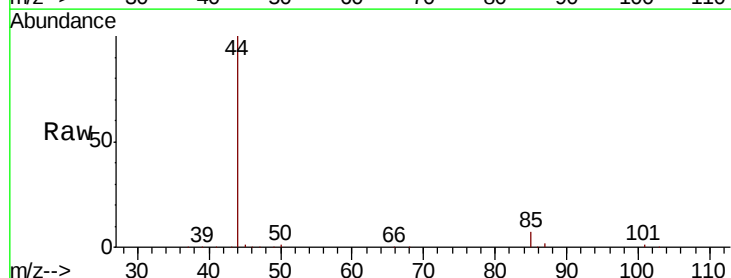
Acq: 14 May 2020 14:37

Tgt Ion: 85 Resp: 15748

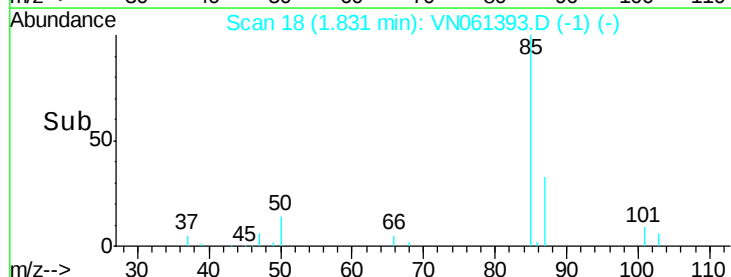
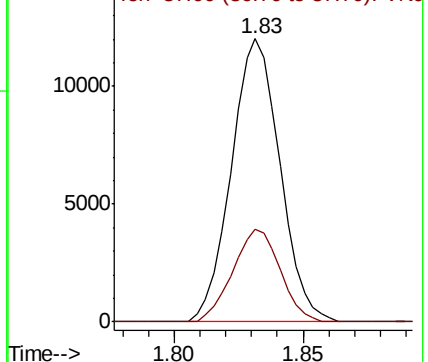
Ion Ratio Lower Upper

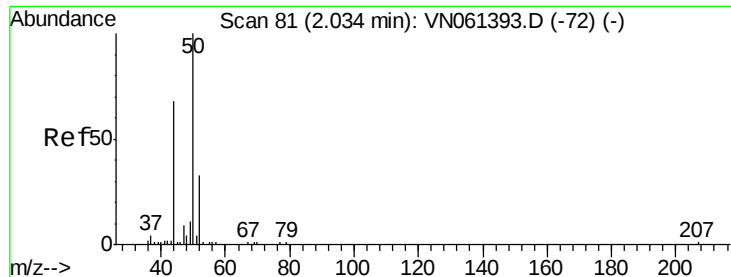
85 100

87 32.5 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 22.917 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

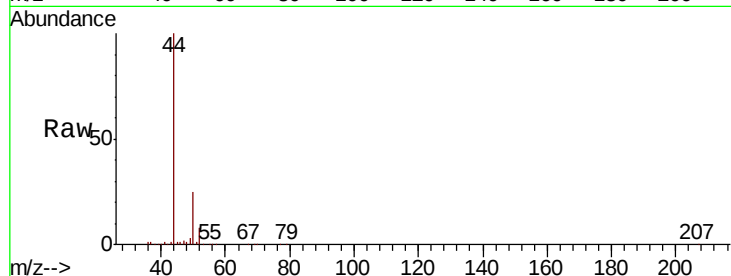
ClientSampled :

Tot Ion: 50 Resp: 31023

Ion Ratio Lower Upper

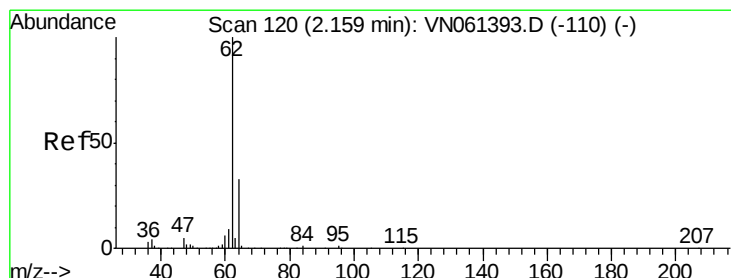
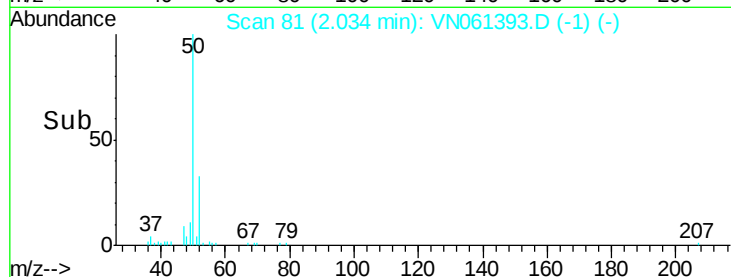
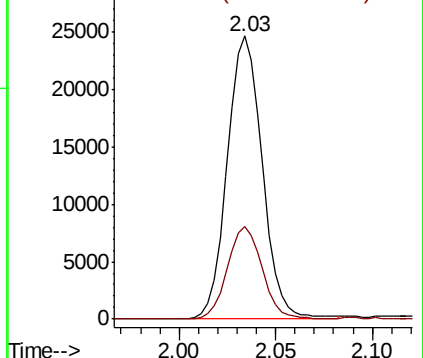
50 100

52 32.7 25.8 38.8



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 27.955 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061393.D

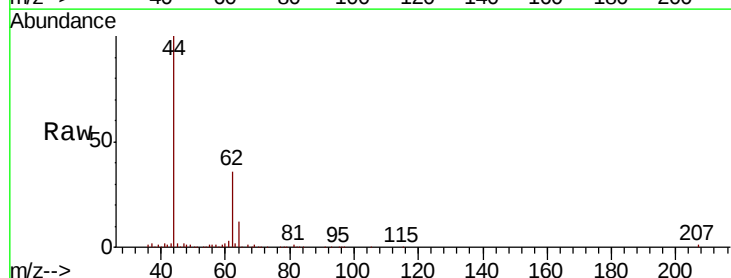
Acq: 14 May 2020 14:37

Tgt Ion: 62 Resp: 41694

Ion Ratio Lower Upper

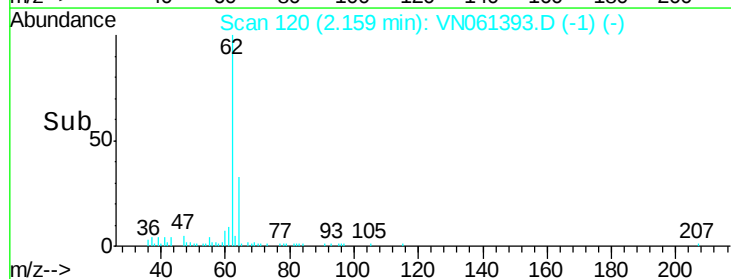
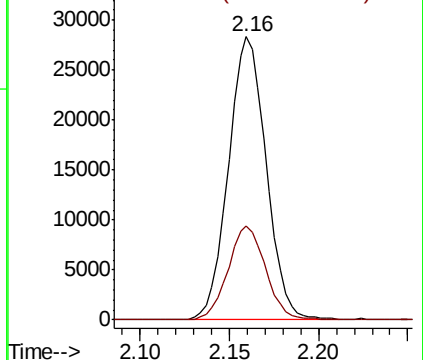
62 100

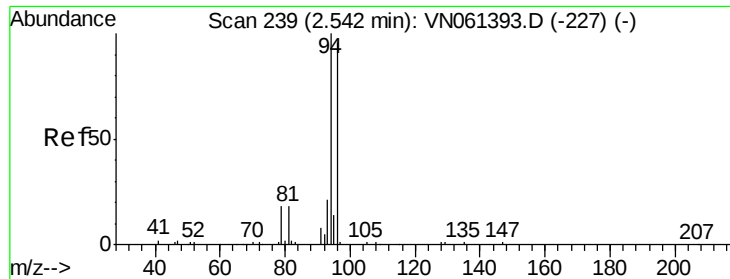
64 33.2 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 24.056 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

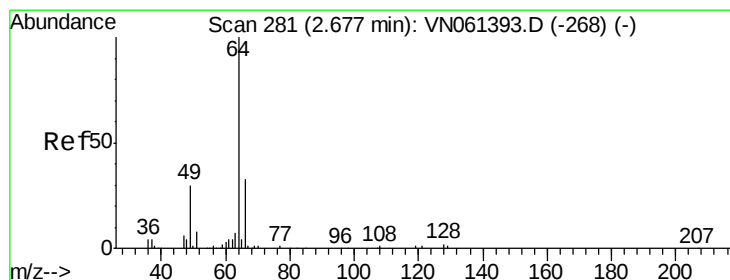
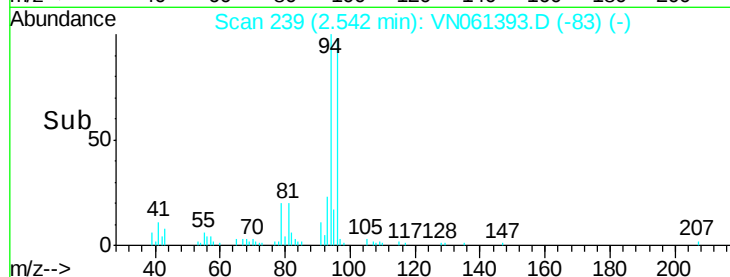
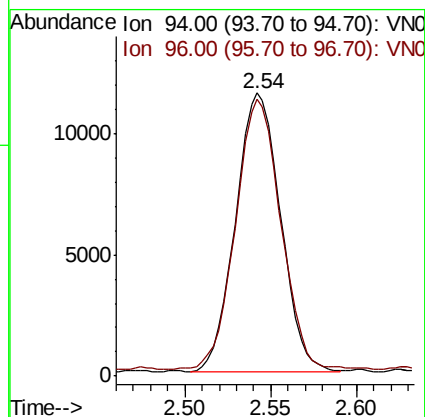
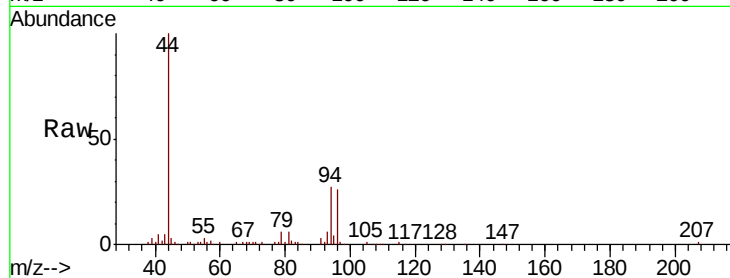
ClientSampleId :

Tot Ion: 94 Resp: 20906

Ion Ratio Lower Upper

94 100

96 96.3 73.7 110.5



#6

Chloroethane

Concen: 29.632 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN061393.D

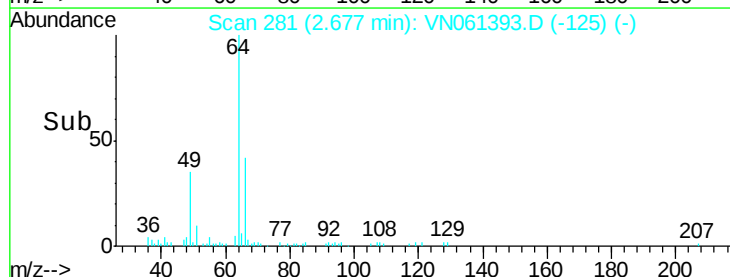
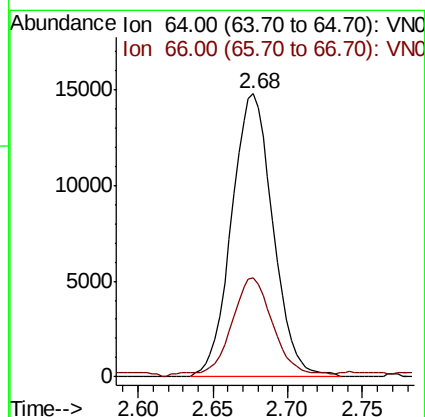
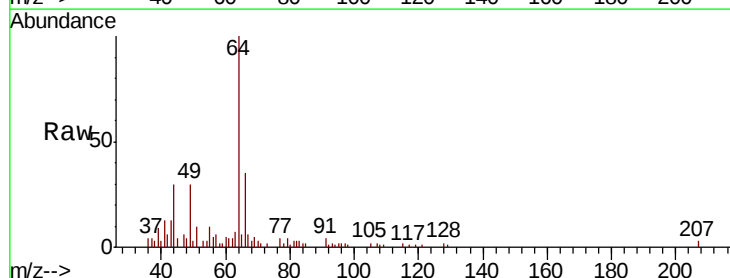
Acq: 14 May 2020 14:37

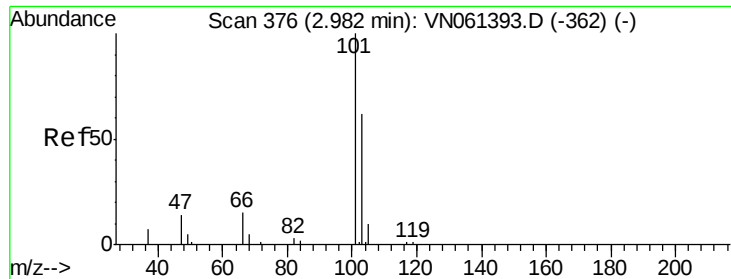
Tgt Ion: 64 Resp: 28522

Ion Ratio Lower Upper

64 100

66 33.5 24.6 36.8



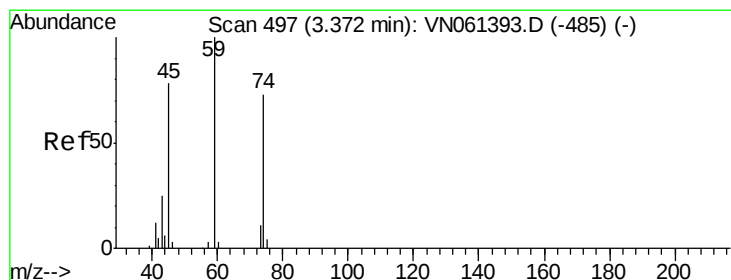
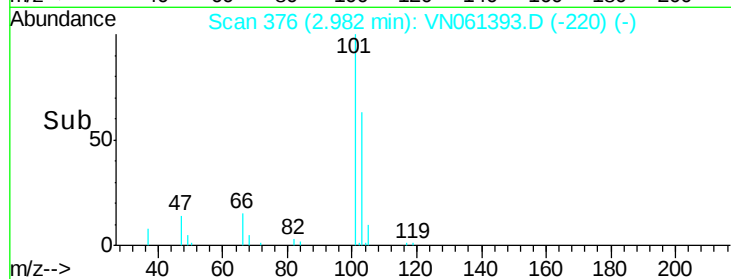
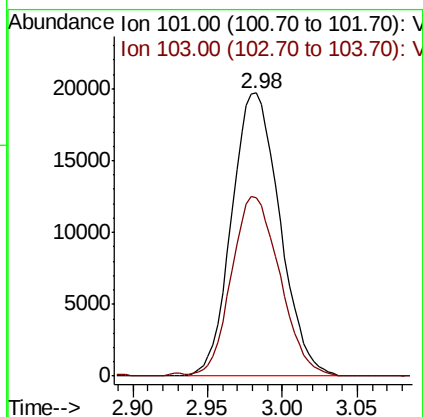
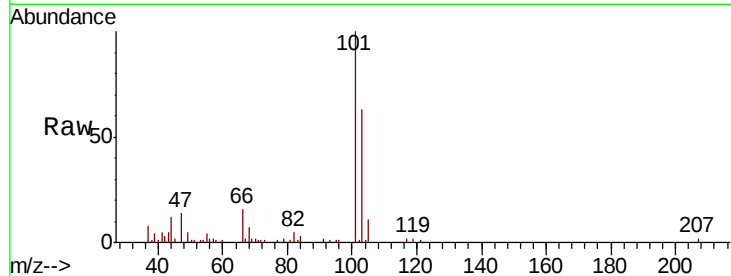


#7

Trichlorofluoromethane
Concen: 25.005 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampled :

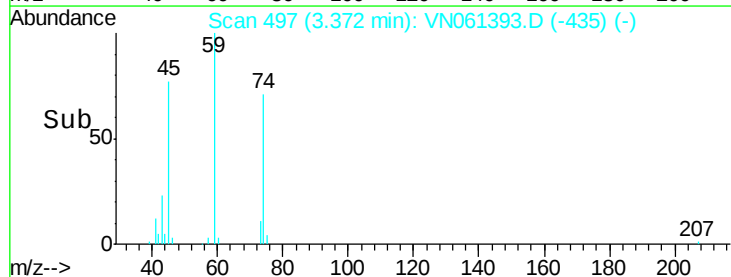
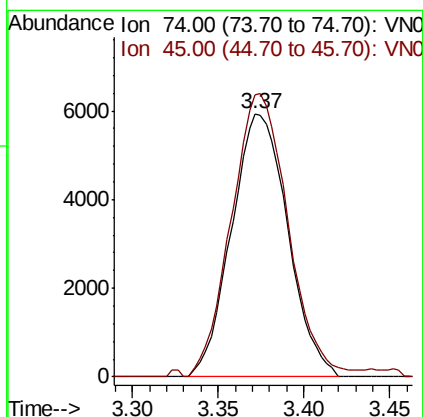
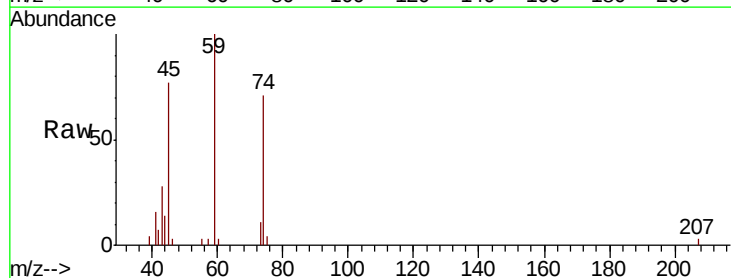
Tot Ion:101 Resp: 44216
Ion Ratio Lower Upper
101 100
103 63.2 51.5 77.3

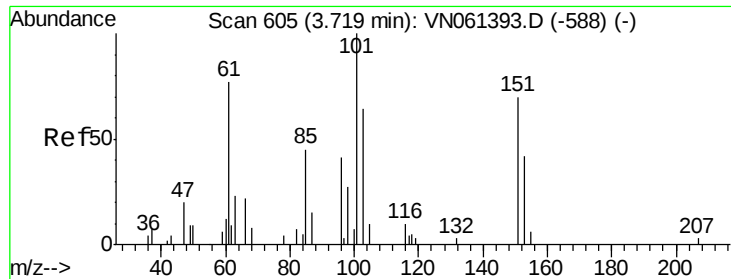


#8

Diethyl Ether
Concen: 21.061 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion: 74 Resp: 13488
Ion Ratio Lower Upper
74 100
45 109.0 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.539 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

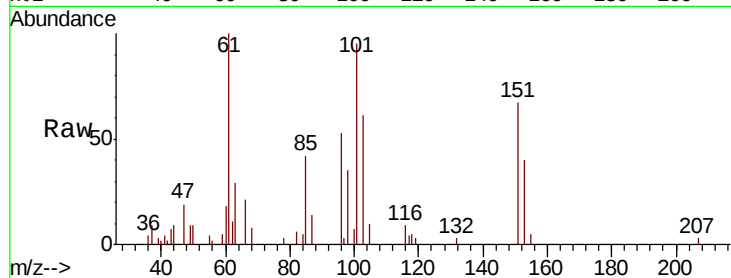
Tot Ion:101 Resp: 18678

Ion Ratio Lower Upper

101 100

85 46.4 0.0 93.8

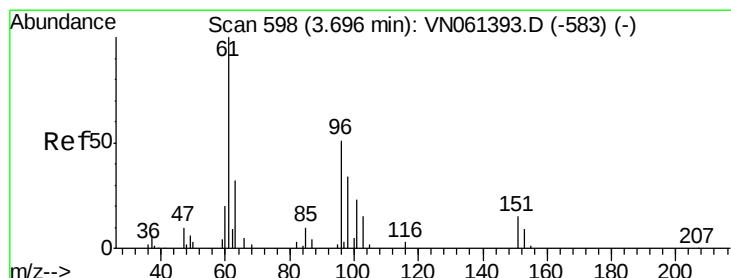
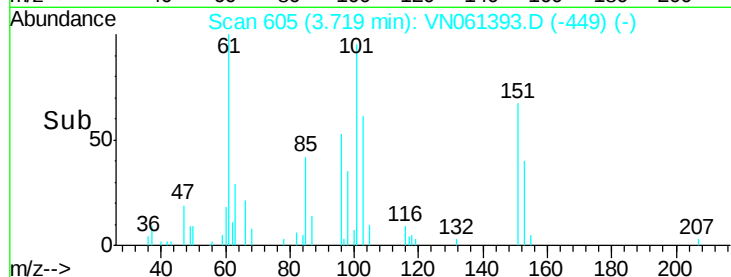
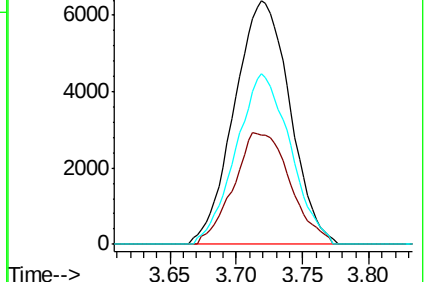
151 68.6 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.330 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

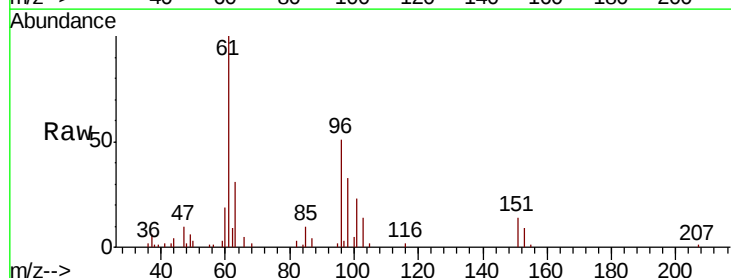
Tgt Ion: 96 Resp: 19237

Ion Ratio Lower Upper

96 100

61 194.3 148.5 222.7

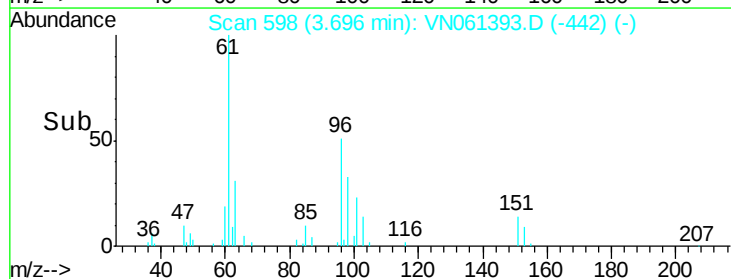
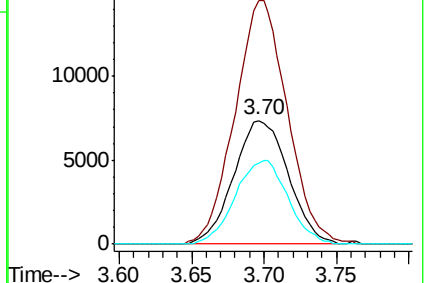
98 65.8 51.0 76.6

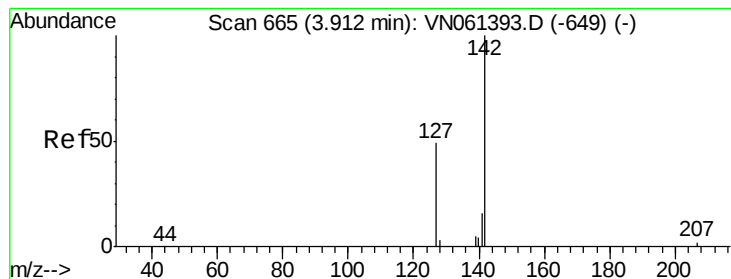


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#11

Methvl Iodide

Concen: 16.020 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

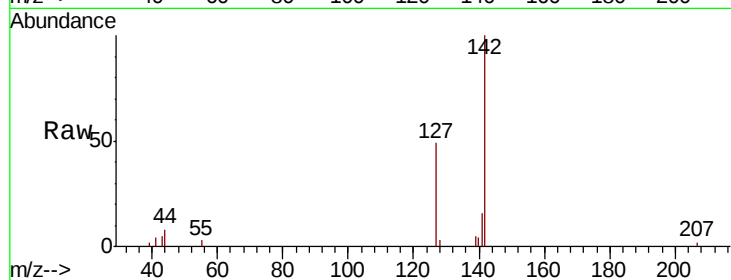
Tot Ion:142 Resp: 20182

Ion Ratio Lower Upper

142 100

127 48.8 23.5 70.6

141 15.7 7.4 22.2

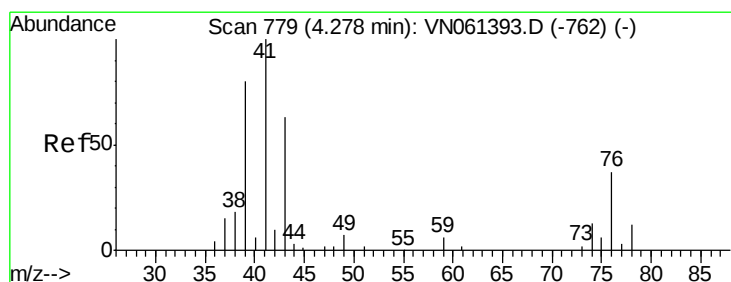
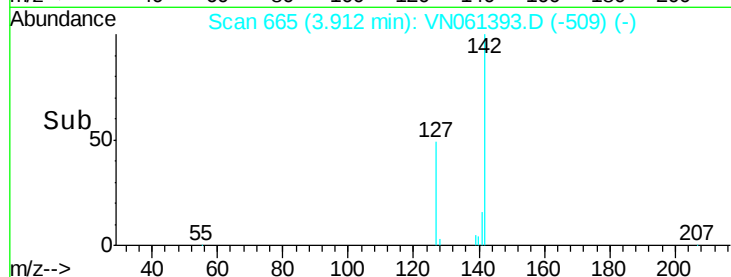
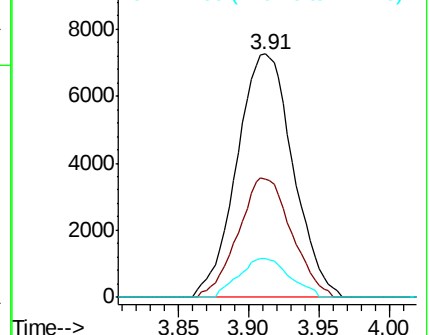


Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 16.157 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061393.D

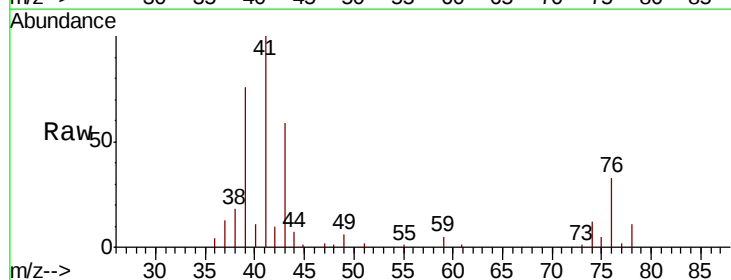
Acq: 14 May 2020 14:37

Tgt Ion: 43 Resp: 23443

Ion Ratio Lower Upper

43 100

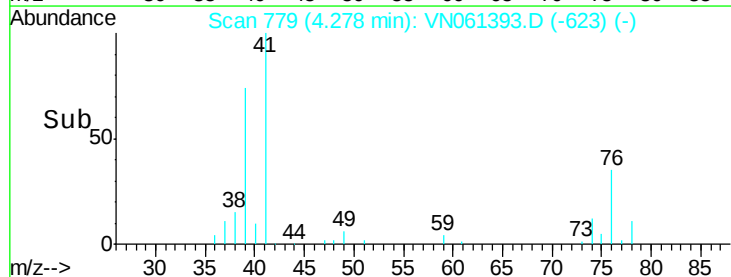
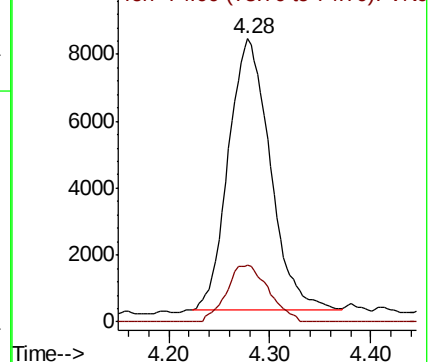
74 20.9 18.1 27.1

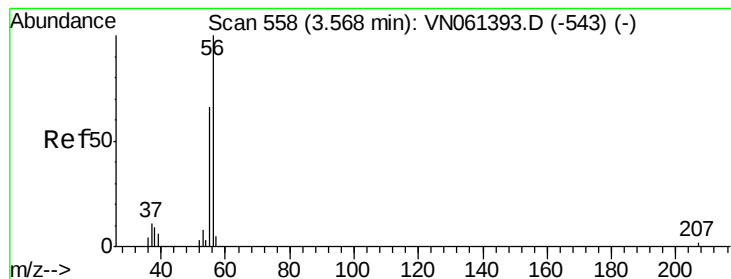


Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 109.176 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

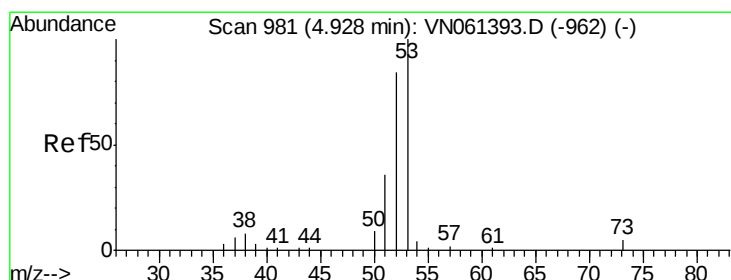
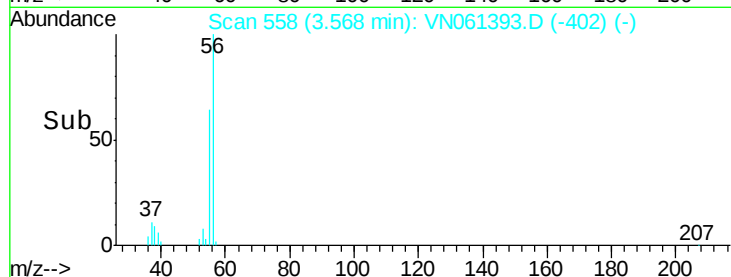
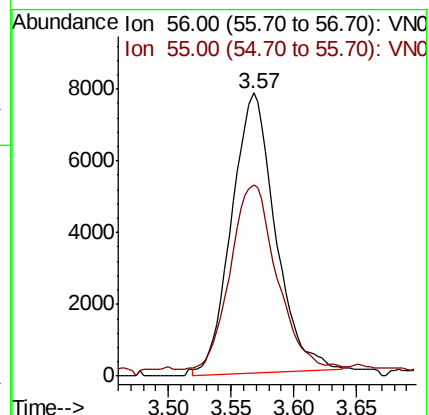
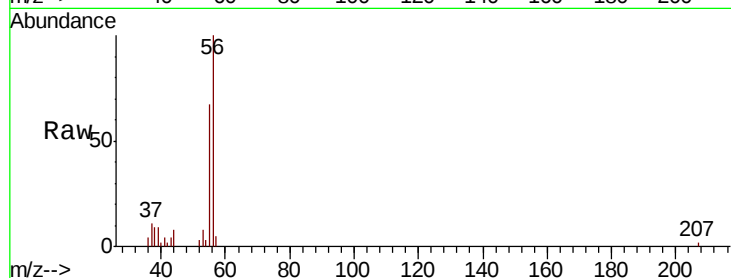
ClientSampleId :

Tot Ion: 56 Resp: 18945

Ion Ratio Lower Upper

56 100

55 68.5 55.9 83.9



#14

Acrylonitrile

Concen: 94.720 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

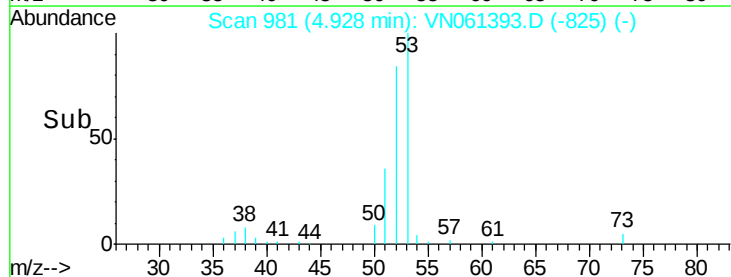
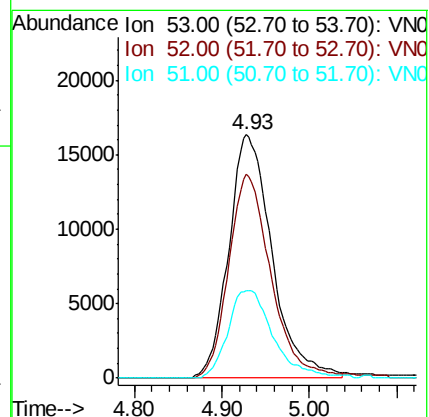
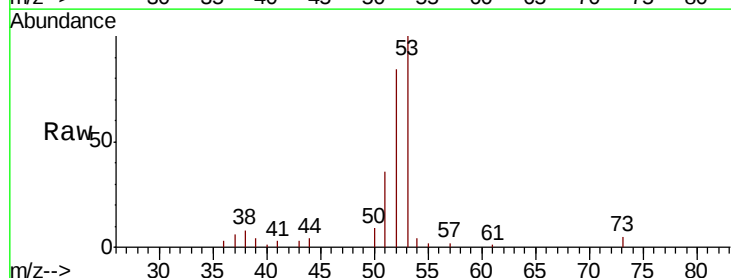
Tgt Ion: 53 Resp: 56214

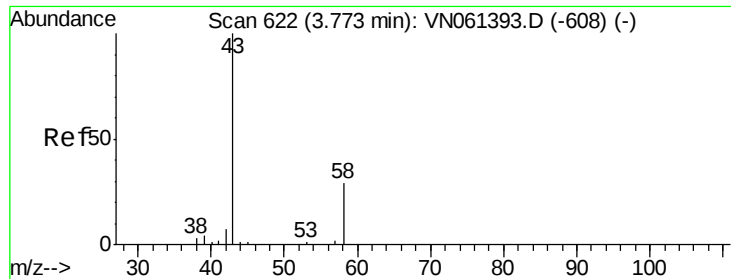
Ion Ratio Lower Upper

53 100

52 81.1 42.2 126.6

51 37.2 18.8 56.4





#15

Acetone

Concen: 79.934 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

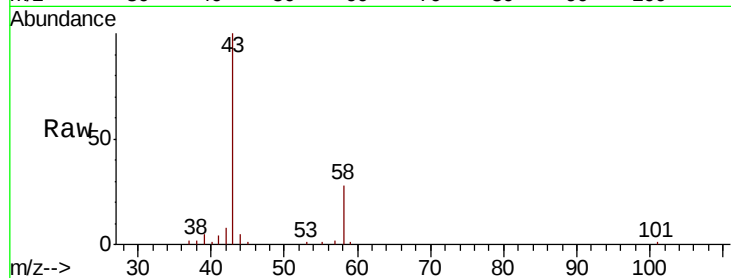
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 13613

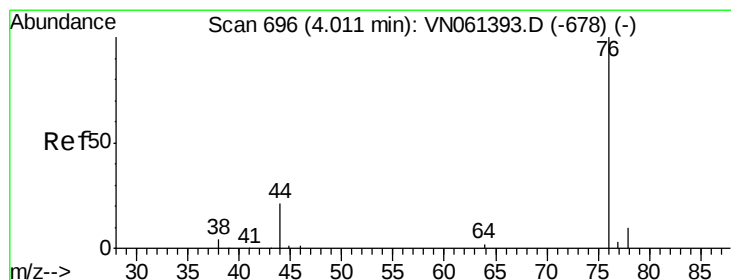
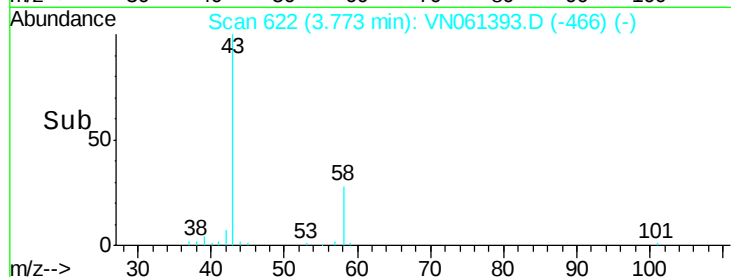
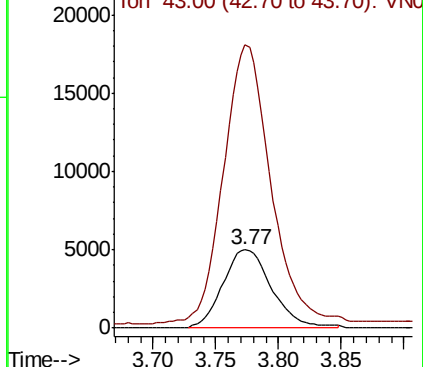
Ion Ratio Lower Upper

58 100

43 348.4 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN061393.D (-608) (-)



#16

Carbon Disulfide

Concen: 21.443 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061393.D

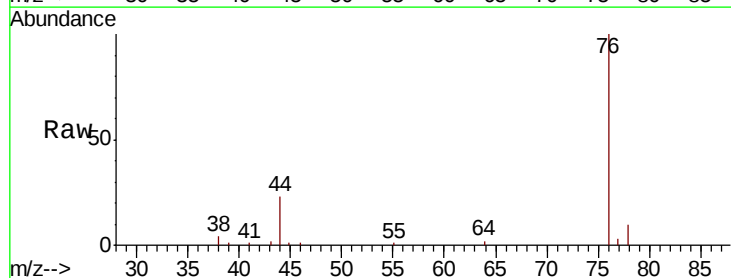
Acq: 14 May 2020 14:37

Tgt Ion: 76 Resp: 60068

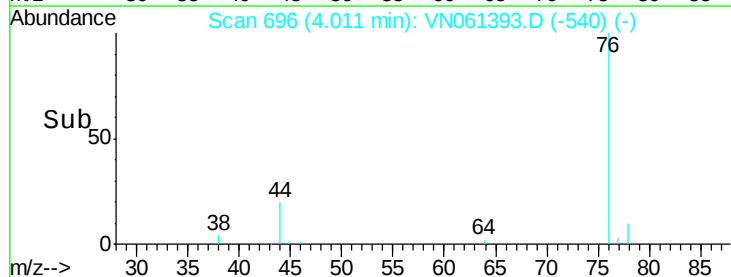
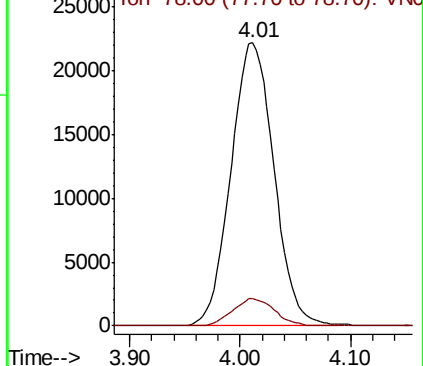
Ion Ratio Lower Upper

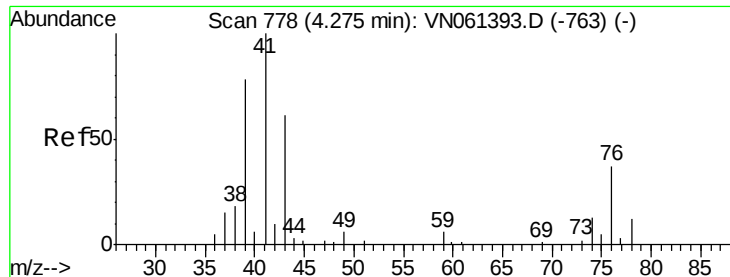
76 100

78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN061393.D (-678) (-)

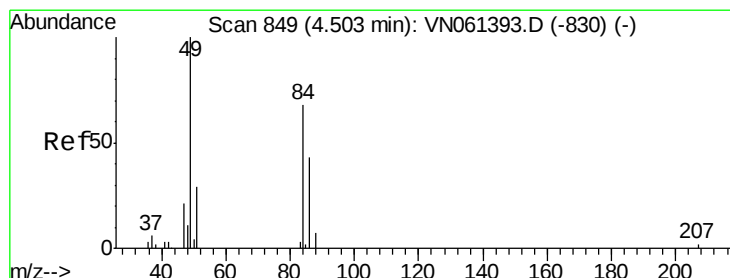
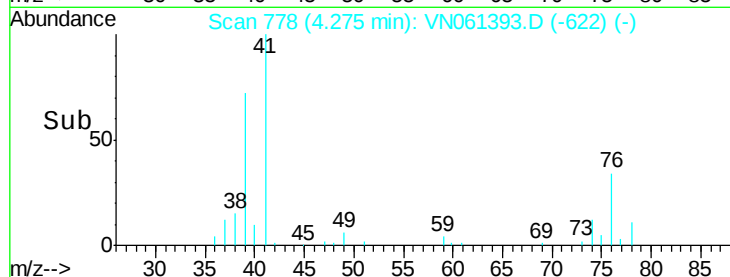
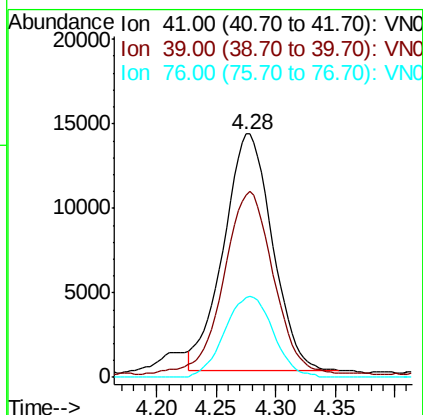
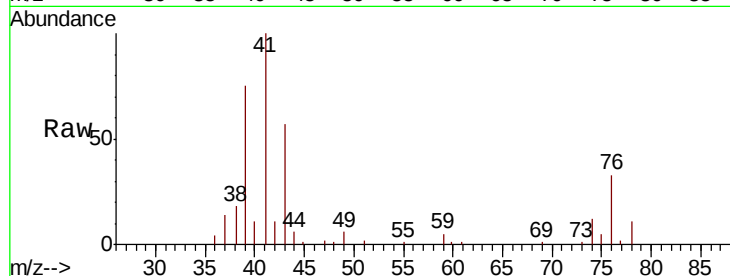




#17
Allvl chloride
Concen: 20.878 ug/l
RT: 4.28 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

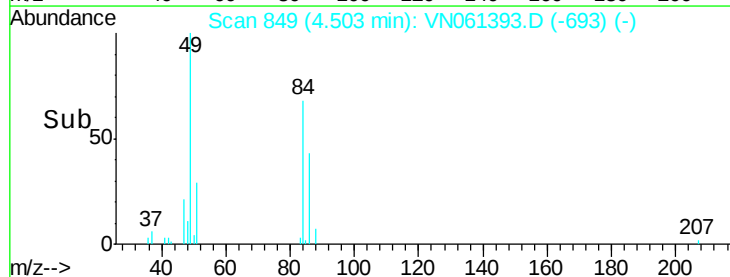
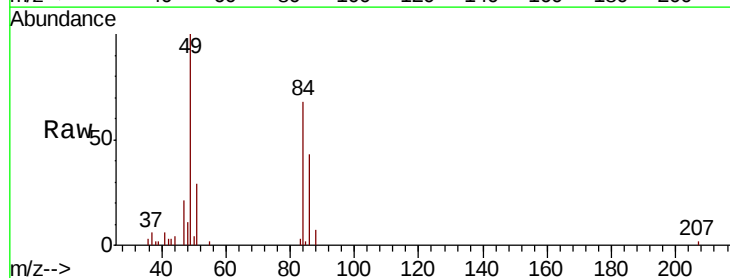
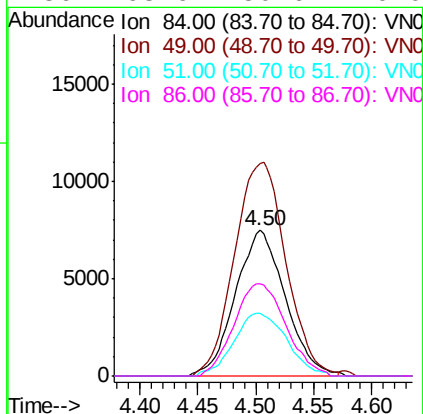
Instrument :
MSVOA_N
ClientSampleId :

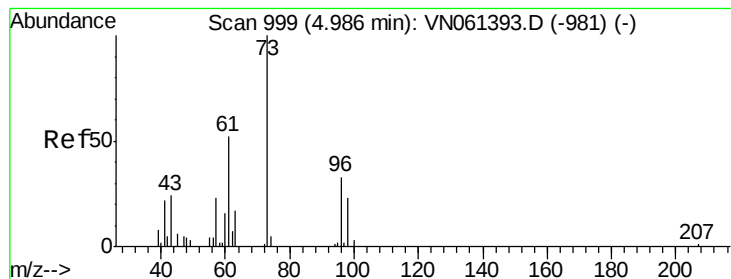
Tot Ion: 41 Resp: 39694
Ion Ratio Lower Upper
41 100
39 75.5 39.6 118.8
76 33.7 17.6 52.9



#18
Methylene Chloride
Concen: 19.639 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion: 84 Resp: 22351
Ion Ratio Lower Upper
84 100
49 146.6 106.6 160.0
51 42.7 32.4 48.6
86 63.6 50.6 76.0





#19

trans-1,2-Dichloroethene

Concen: 21.386 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

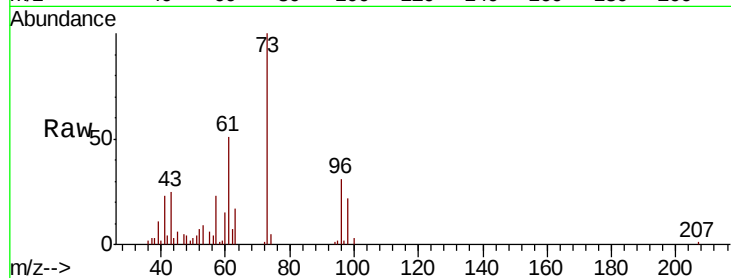
Tot Ion: 96 Resp: 22296

Ion Ratio Lower Upper

96 100

61 161.1 131.8 197.6

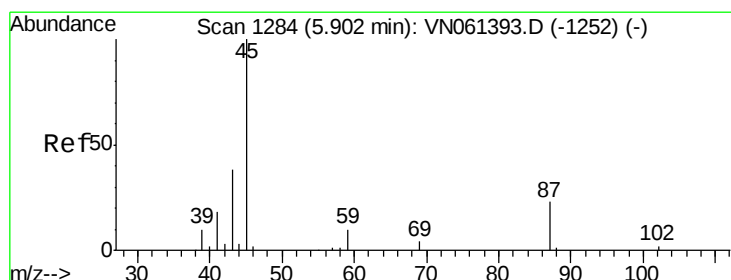
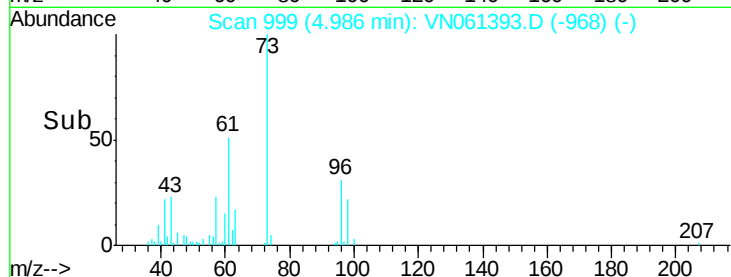
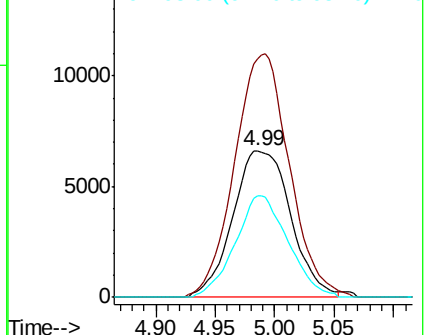
98 69.7 52.6 79.0



Abundance Ion 96.00 (95.70 to 96.70): VN061393.D (-968) (-)

Ion 61.00 (60.70 to 61.70): VN061393.D (-968) (-)

Ion 98.00 (97.70 to 98.70): VN061393.D (-968) (-)



#20

Diisopropyl ether

Concen: 23.086 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Tgt Ion: 45 Resp: 92022

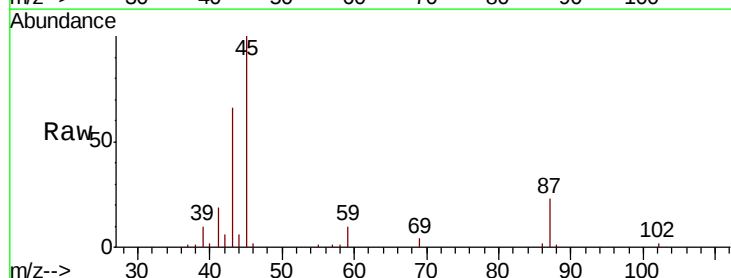
Ion Ratio Lower Upper

45 100

43 63.4 54.7 82.1

87 23.3 21.5 32.3

59 10.4 8.7 13.1

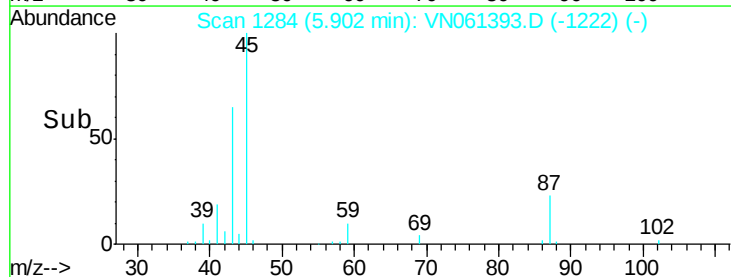
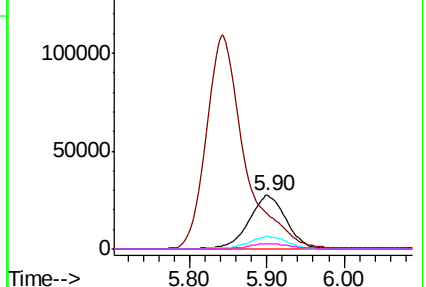


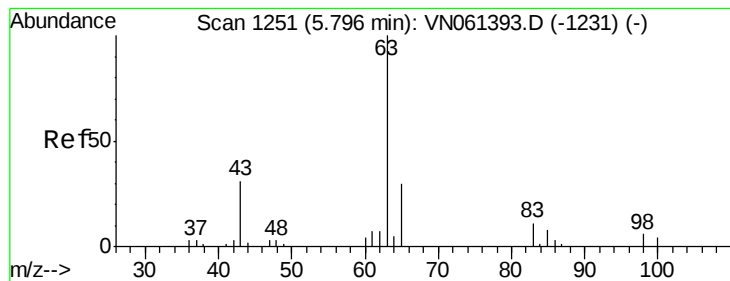
Abundance Ion 45.00 (44.70 to 45.70): VN061393.D (-1222) (-)

Ion 43.00 (42.70 to 43.70): VN061393.D (-1222) (-)

Ion 87.00 (86.70 to 87.70): VN061393.D (-1222) (-)

Ion 59.00 (58.70 to 59.70): VN061393.D (-1222) (-)





#21

1,1-Dichloroethane

Concen: 22.058 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

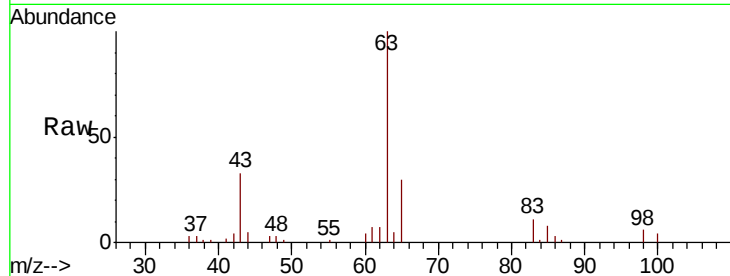
Tot Ion: 63 Resp: 48004

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.8 1.8 5.5

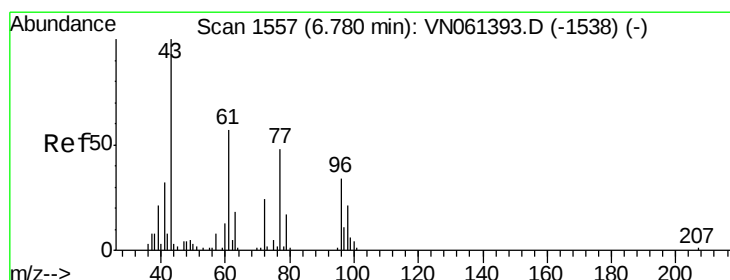
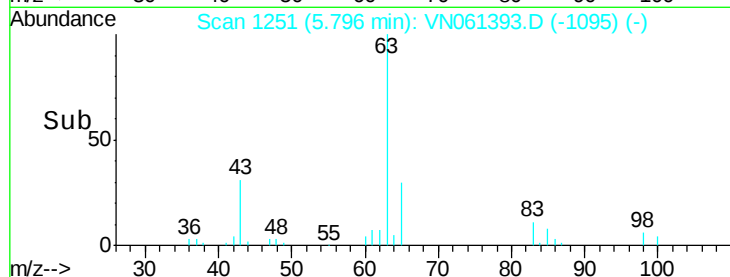


Abundance Ion 63.00 (62.70 to 63.70): VN061393.D (-1231) (-)

Ion 98.00 (97.70 to 98.70): VN061393.D (-1231) (-)

Ion 100.00 (99.70 to 100.70): VN061393.D (-1231) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 21.592 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

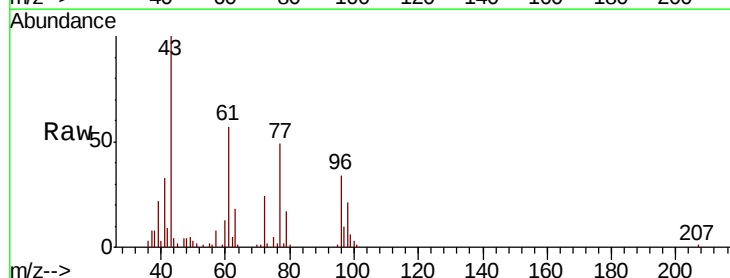
Tgt Ion: 96 Resp: 26959

Ion Ratio Lower Upper

96 100

61 165.0 127.2 190.8

98 61.8 50.5 75.7

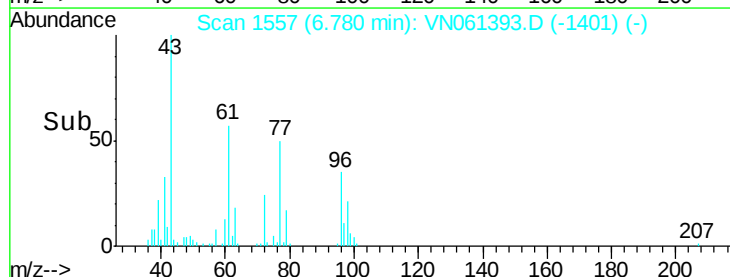


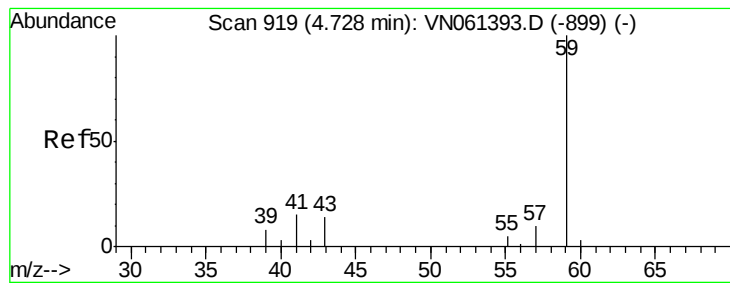
Abundance Ion 96.00 (95.70 to 96.70): VN061393.D (-1538) (-)

Ion 61.00 (60.70 to 61.70): VN061393.D (-1538) (-)

Ion 98.00 (97.70 to 98.70): VN061393.D (-1538) (-)

Time-->



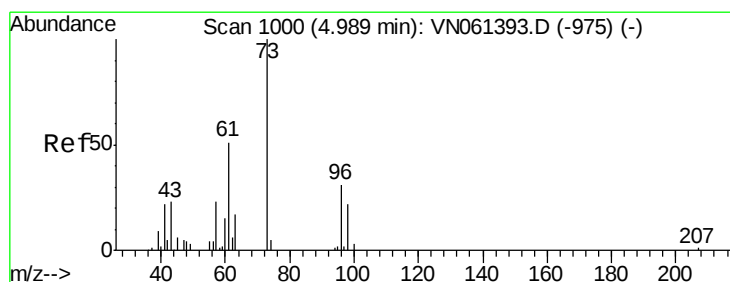
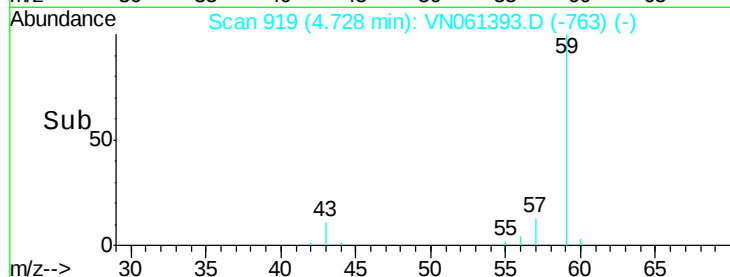
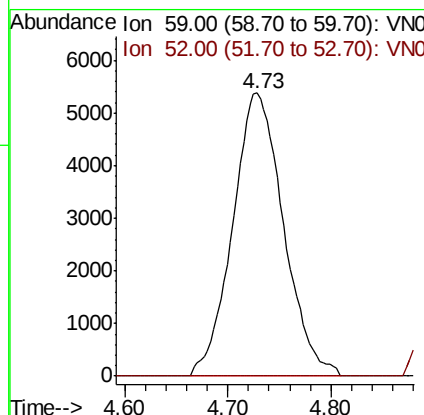
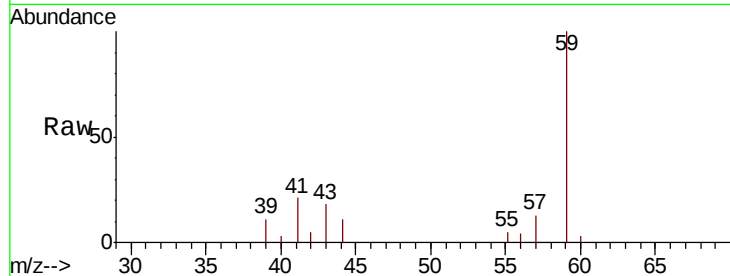


#23

tert-Butyl Alcohol
 Concen: 79.019 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Instrument :
 MSVOA_N
 ClientSampled :

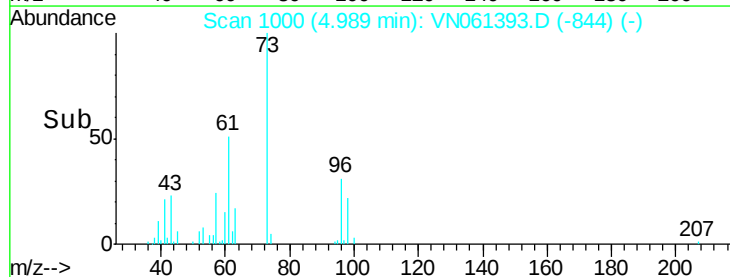
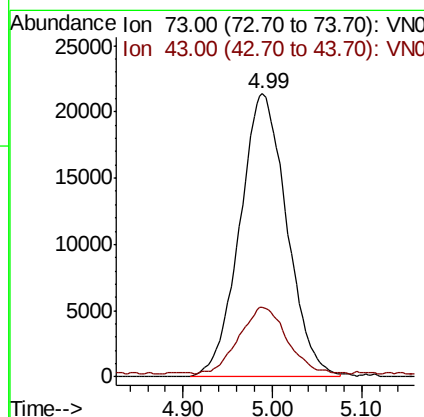
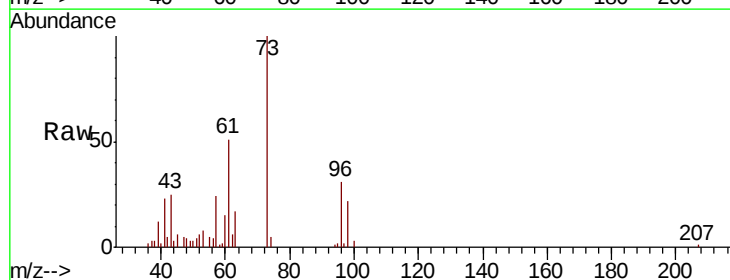
Tot Ion: 59 Resp: 18447
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

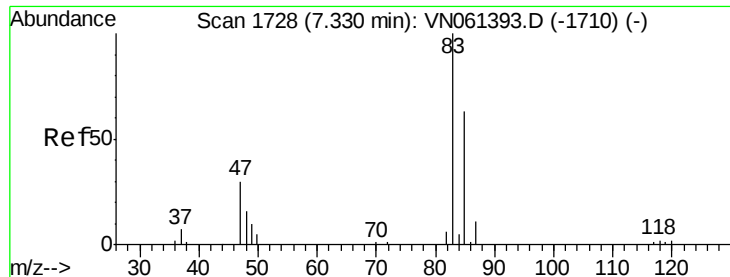


#24

Methyl tert-Butyl Ether
 Concen: 21.742 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion: 73 Resp: 78343
 Ion Ratio Lower Upper
 73 100
 43 23.5 17.9 26.9

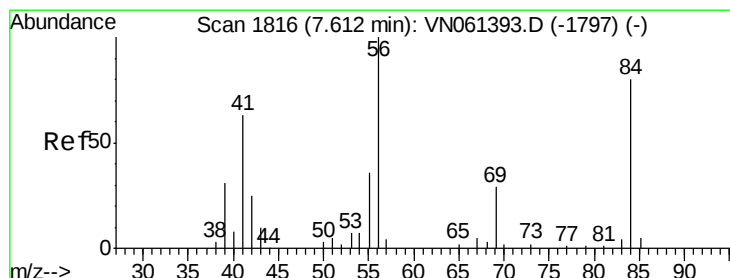
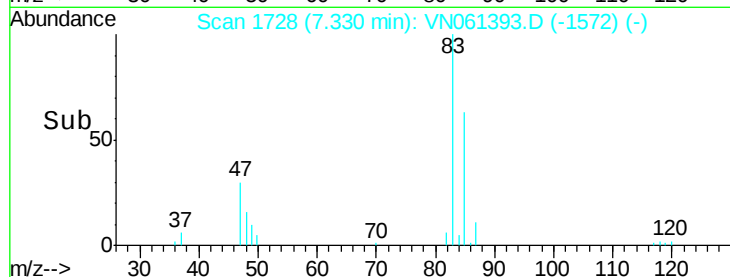
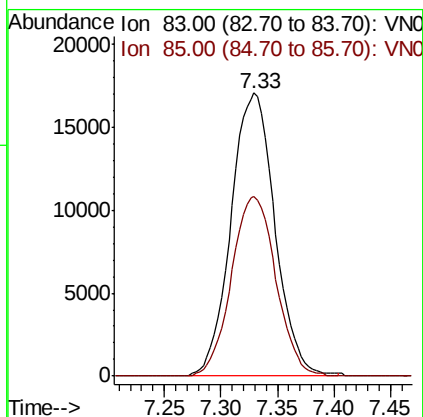
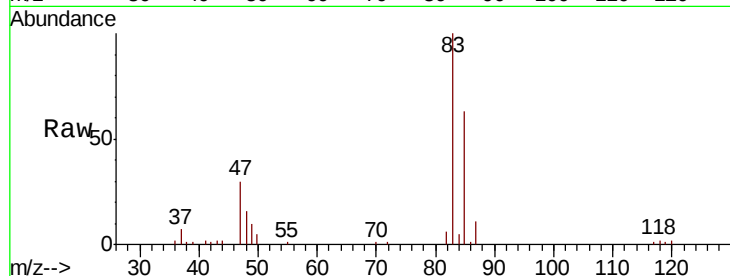




#25
Chloroform
Concen: 21.400 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

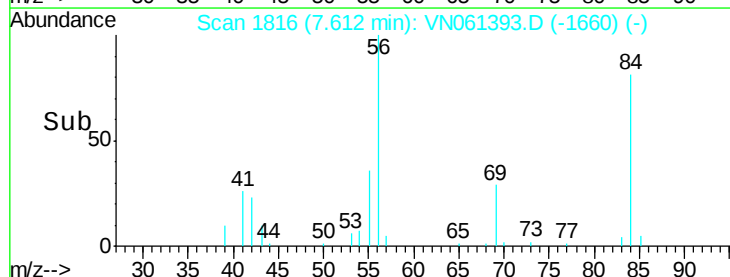
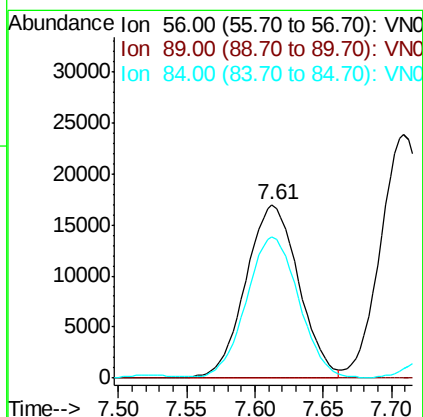
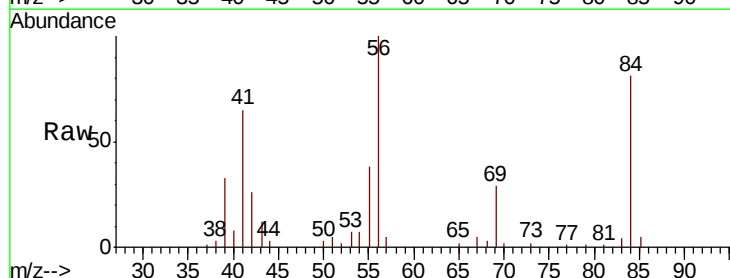
Instrument :
MSVOA_N
ClientSampleId :

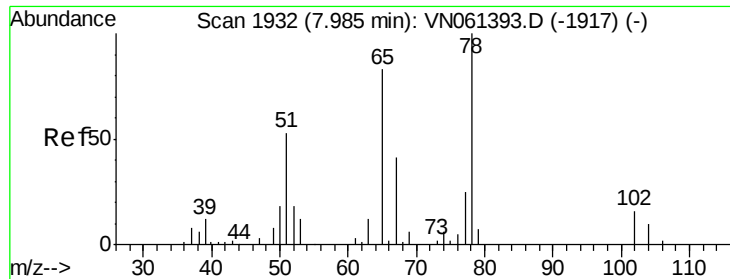
Tot Ion: 83 Resp: 46028
Ion Ratio Lower Upper
83 100
85 63.3 53.8 80.8



#26
Cyclohexane
Concen: 23.442 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion: 56 Resp: 45792
Ion Ratio Lower Upper
56 100
89 0.0 6.2 9.2#
84 80.6 65.6 98.4

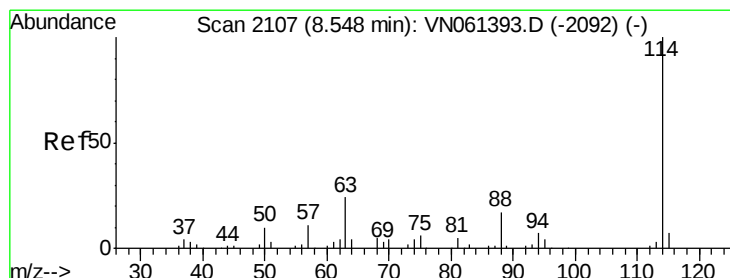
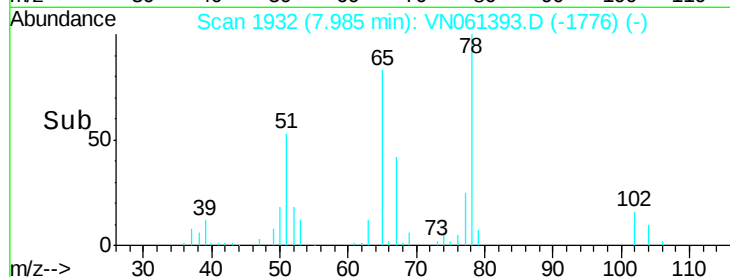
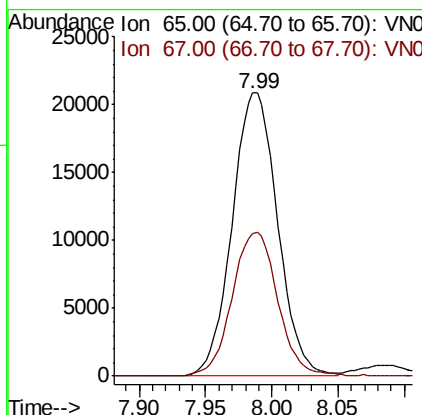
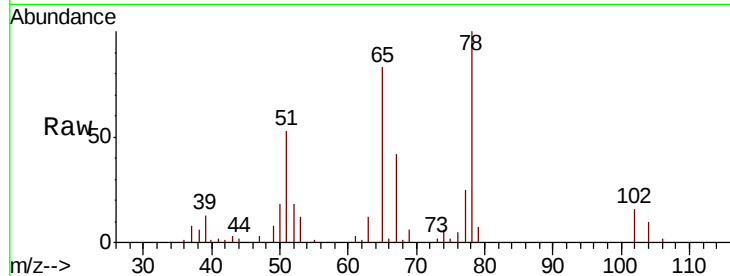




#27
 1,2-Dichloroethane-d4
 Concen: 31.848 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

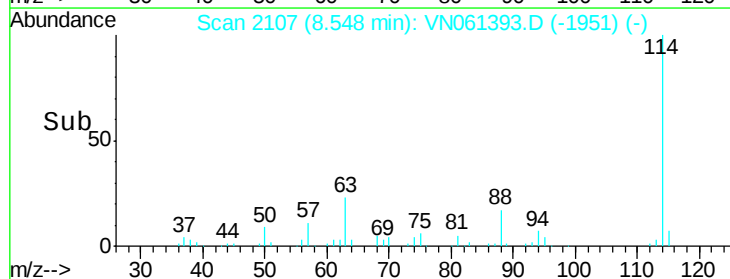
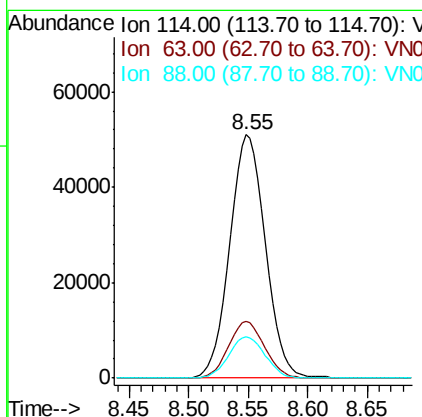
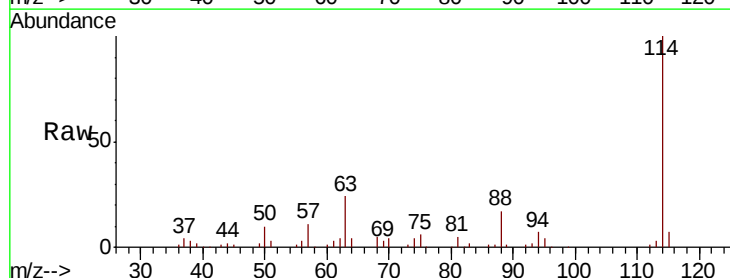
Instrument :
 MSVOA_N
 ClientSampleId :

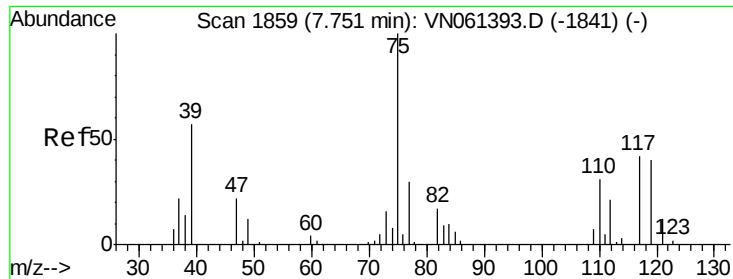
Tot Ion: 65 Resp: 49706
 Ion Ratio Lower Upper
 65 100
 67 51.0 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion: 114 Resp: 106036
 Ion Ratio Lower Upper
 114 100
 63 23.5 18.1 27.1
 88 17.2 13.0 19.4

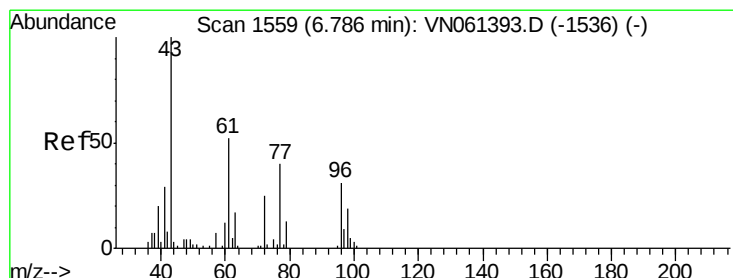
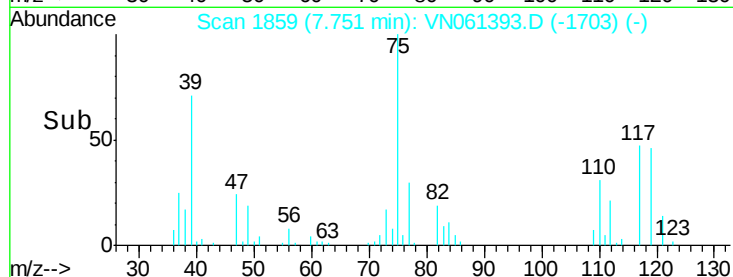
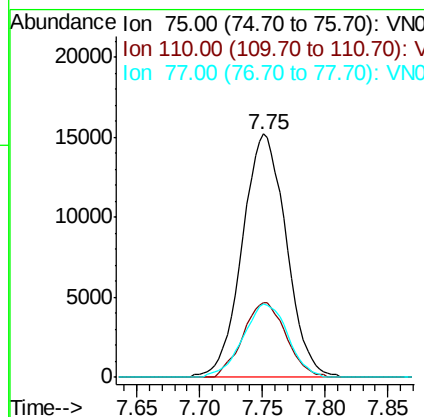
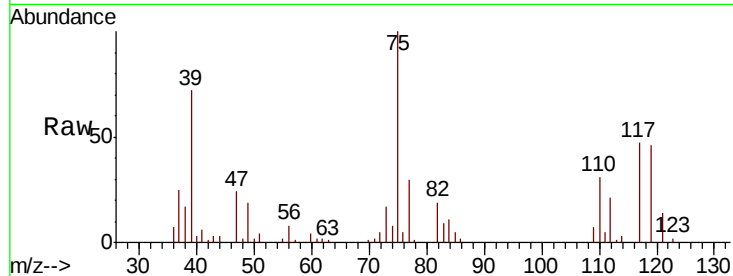




#29
 1,1-Dichloropropene
 Concen: 21.794 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

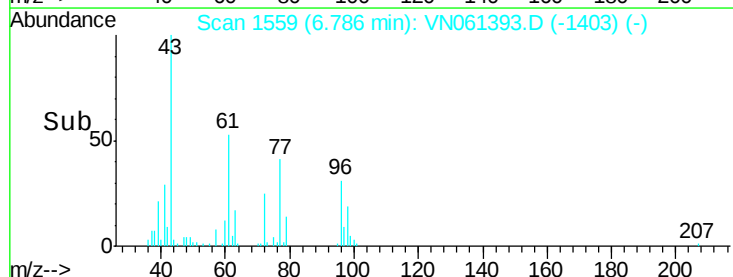
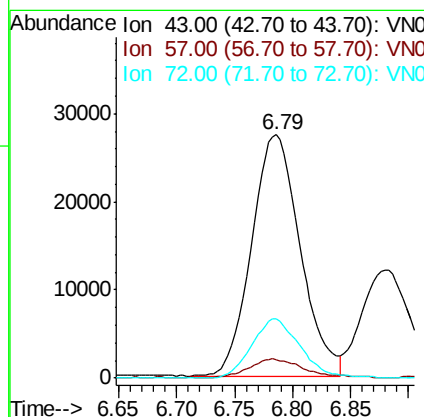
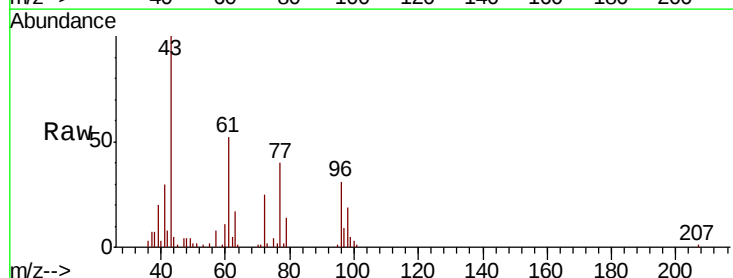
Instrument :
 MSVOA_N
 ClientSampled :

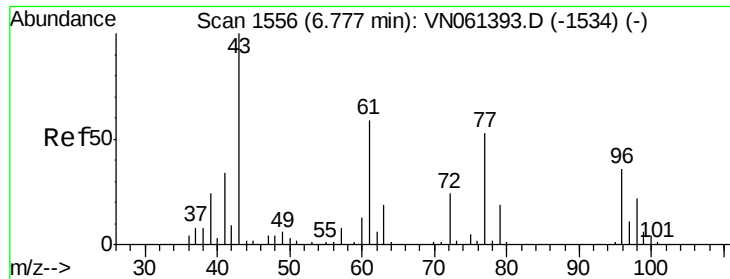
Tot Ion: 75 Resp: 37033
 Ion Ratio Lower Upper
 75 100
 110 30.3 0.0 64.6
 77 30.8 0.0 60.8



#30
 2-Butanone
 Concen: 86.979 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion: 43 Resp: 79732
 Ion Ratio Lower Upper
 43 100
 57 9.0 6.5 9.7
 72 24.3 20.1 30.1





#31

2,2-Dichloropropane

Concen: 21.281 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

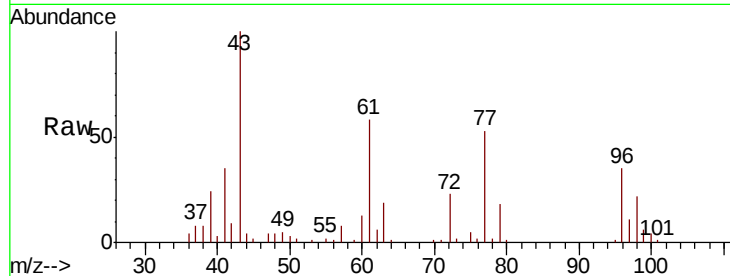
ClientSampleId :

Tot Ion: 77 Resp: 42718

Ion Ratio Lower Upper

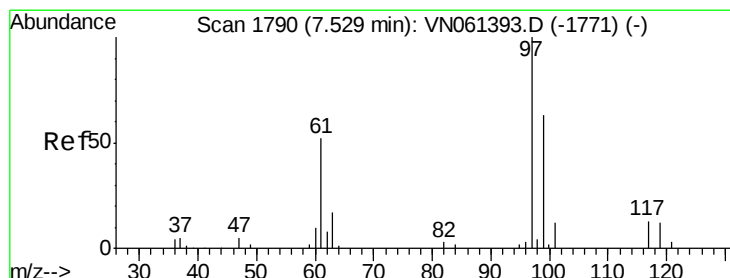
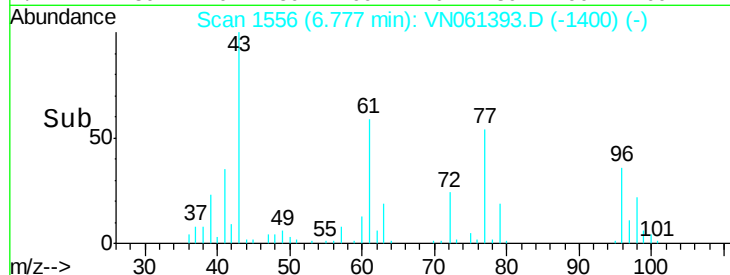
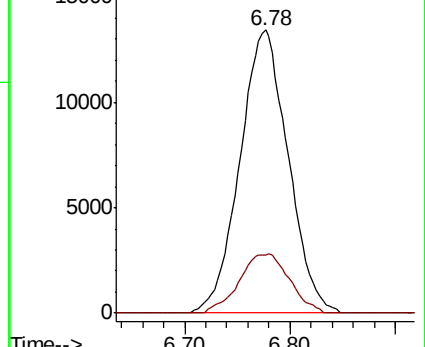
77 100

97 10.6 17.9 26.9#



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.022 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

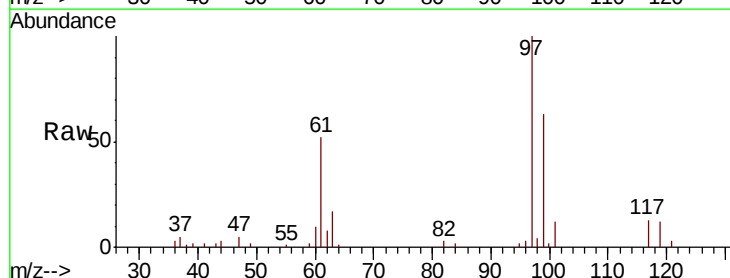
Tgt Ion: 97 Resp: 40734

Ion Ratio Lower Upper

97 100

99 62.9 51.3 76.9

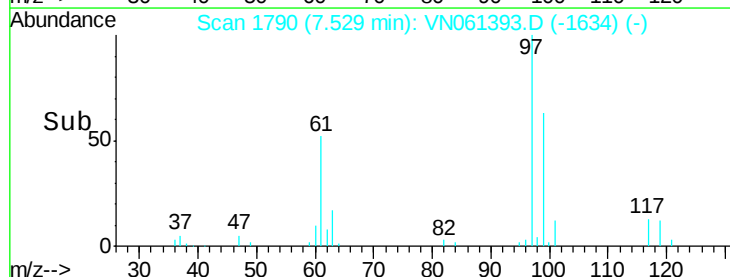
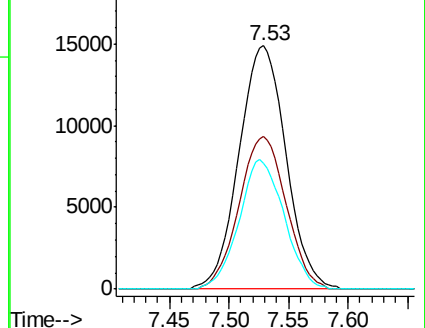
61 51.0 38.4 57.6

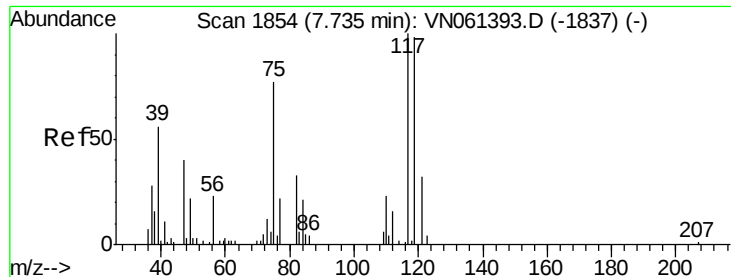


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

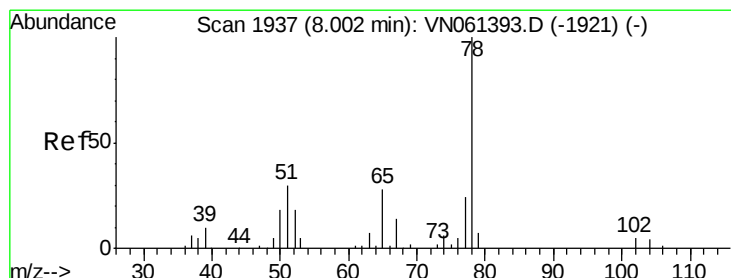
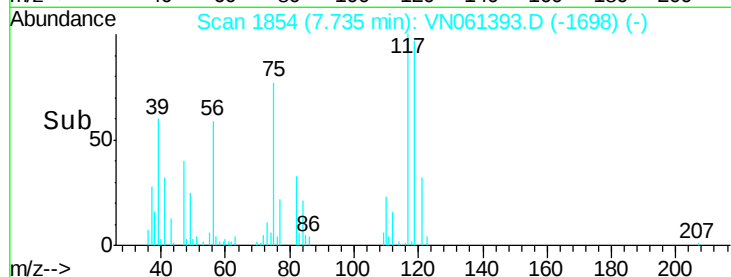
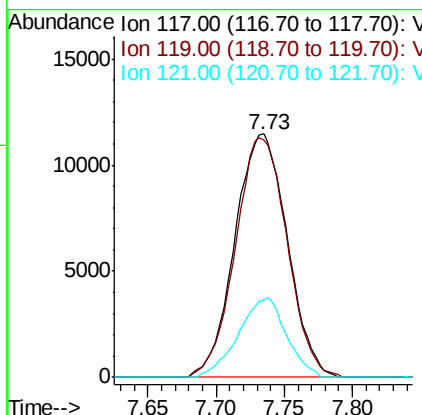
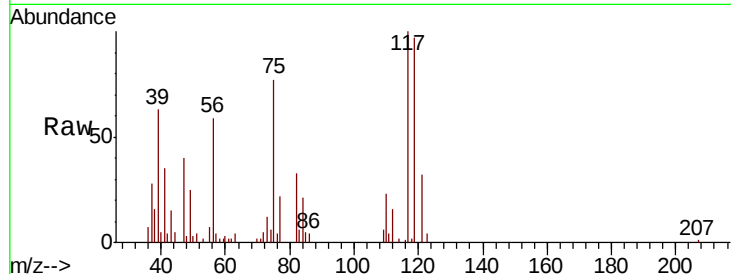




#33
Carbon Tetrachloride
Concen: 18.723 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

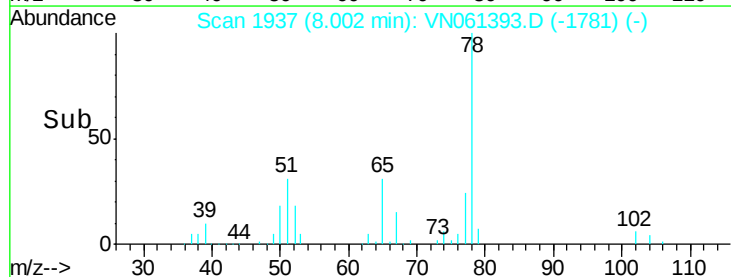
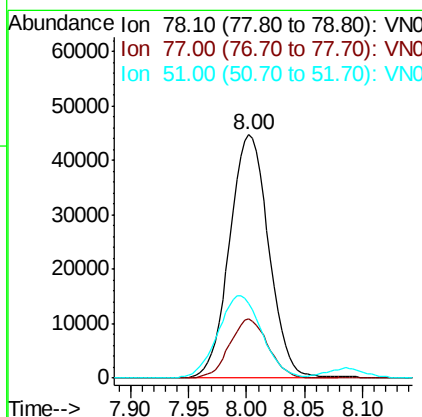
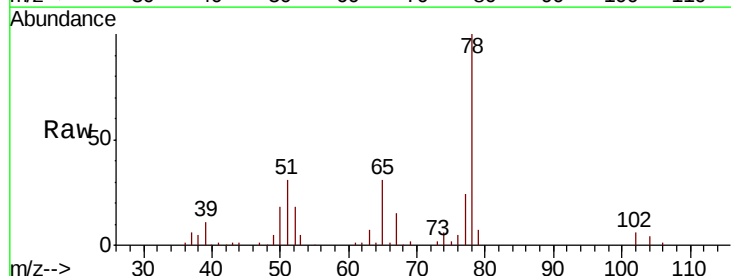
Instrument :
MSVOA_N
ClientSampled :

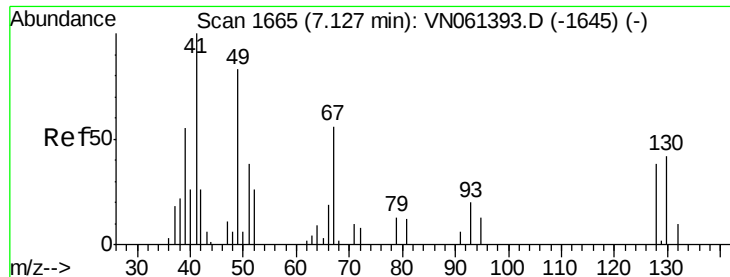
Tot Ion:117 Resp: 30568
Ion Ratio Lower Upper
117 100
119 97.5 76.9 115.3
121 32.0 23.8 35.8



#34
Benzene
Concen: 21.245 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion: 78 Resp: 105396
Ion Ratio Lower Upper
78 100
77 24.3 19.2 28.8
51 29.7 22.1 33.1

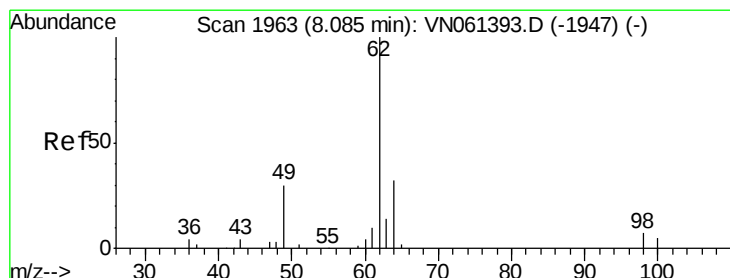
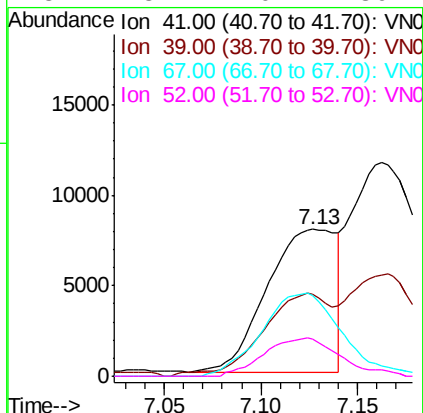
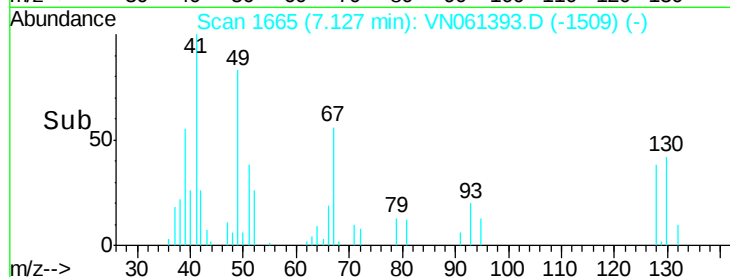
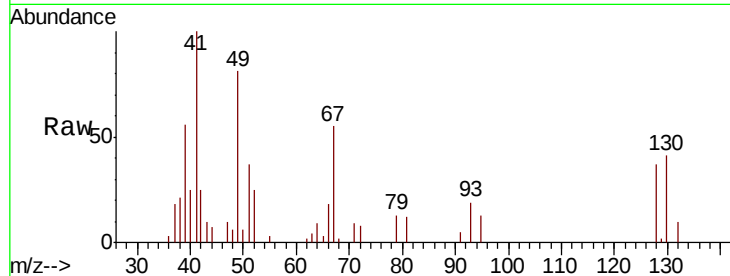




#35
Methacrylonitrile
Concen: 22.818 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

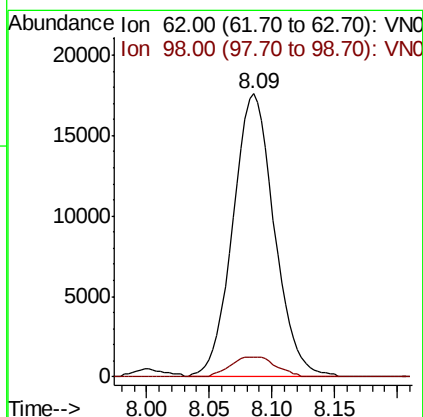
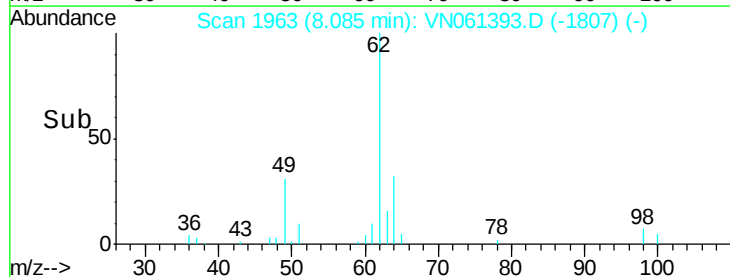
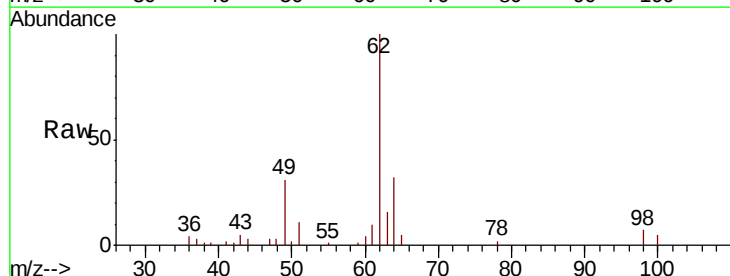
Instrument :
MSVOA_N
ClientSampled :

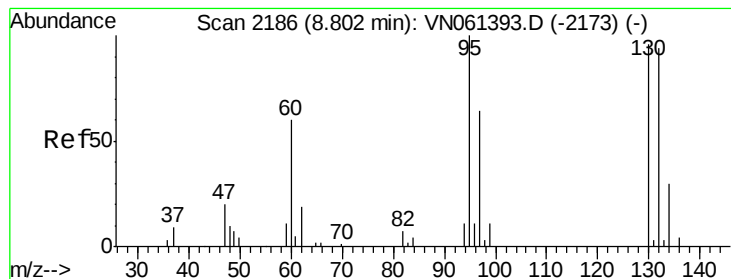
Tot Ion: 41 Resp: 19615
Ion Ratio Lower Upper
41 100
39 54.5 25.8 77.4
67 56.3 23.0 69.0
52 25.7 10.1 30.1



#36
1,2-Dichloroethane
Concen: 21.342 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion: 62 Resp: 40473
Ion Ratio Lower Upper
62 100
98 7.7 6.4 9.6





#37

Trichloroethene

Concen: 20.873 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

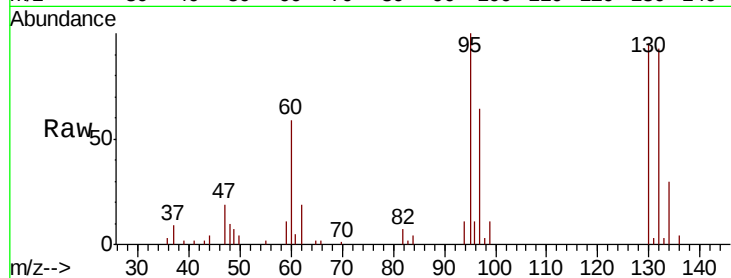
ClientSampleId :

Tot Ion:130 Resp: 25320

Ion Ratio Lower Upper

130 100

95 103.9 83.2 124.8



Abundance Ion 129.90 (129.60 to 130.60): VN061393.D (-2173) (-)

Ion 94.90 (94.60 to 95.60): VN061393.D (-2173) (-)

8.80

15000

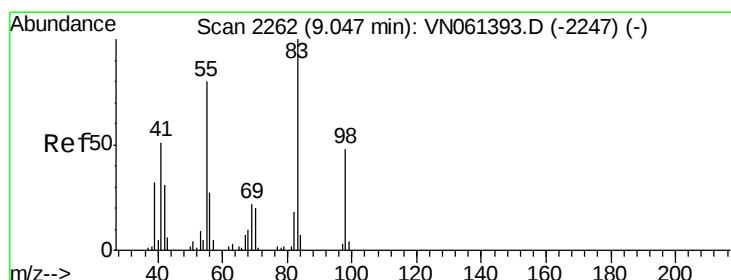
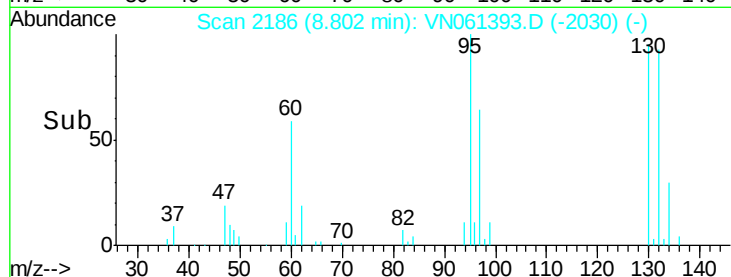
10000

5000

0

8.75 8.80 8.85

Time-->



#38

Methylcyclohexane

Concen: 22.259 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

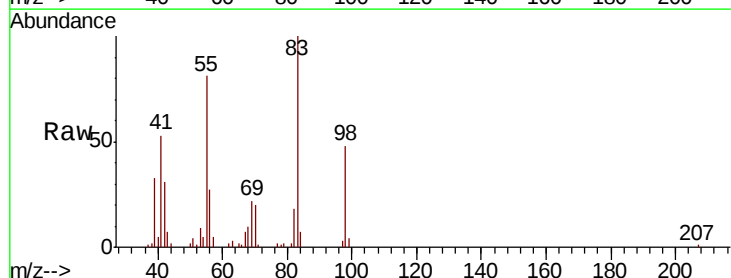
Tgt Ion: 83 Resp: 44296

Ion Ratio Lower Upper

83 100

55 81.1 40.4 121.1

98 46.6 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN061393.D (-2247) (-)

Ion 55.00 (54.70 to 55.70): VN061393.D (-2247) (-)

Ion 98.00 (97.70 to 98.70): VN061393.D (-2247) (-)

9.05

25000

20000

15000

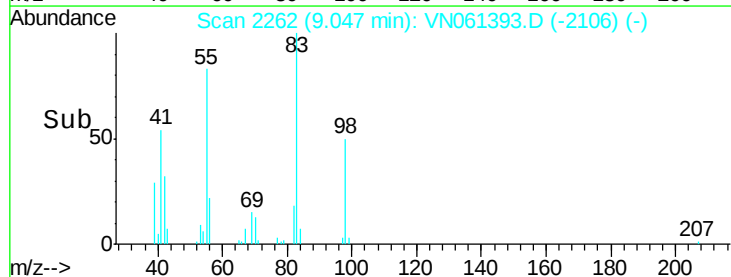
10000

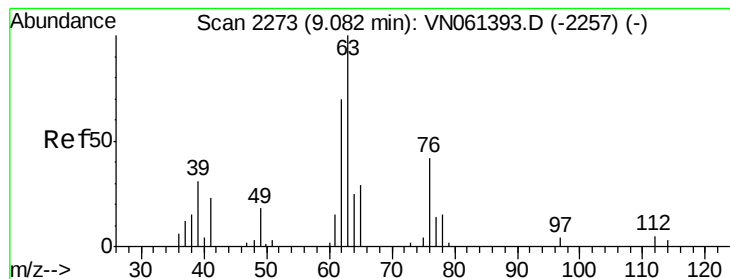
5000

0

8.95 9.00 9.05 9.10

Time-->





#39

1,2-Dichloropropane

Concen: 21.616 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

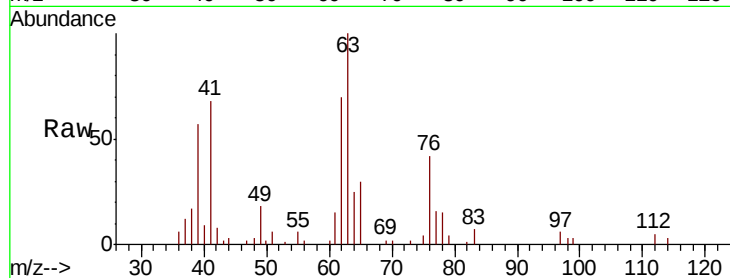
ClientSampled :

Tot Ion: 63 Resp: 29330

Ion Ratio Lower Upper

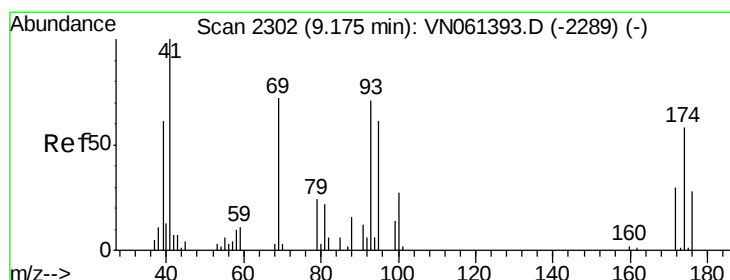
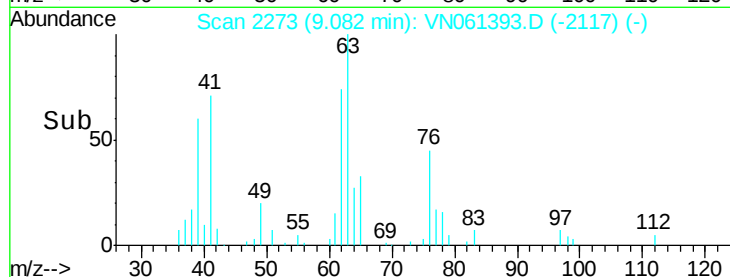
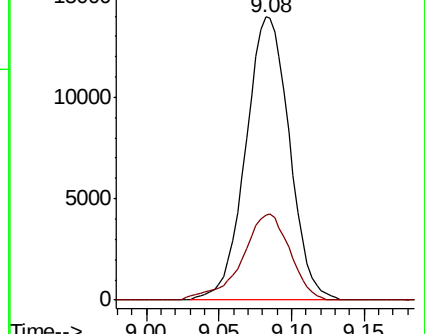
63 100

65 30.2 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.524 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

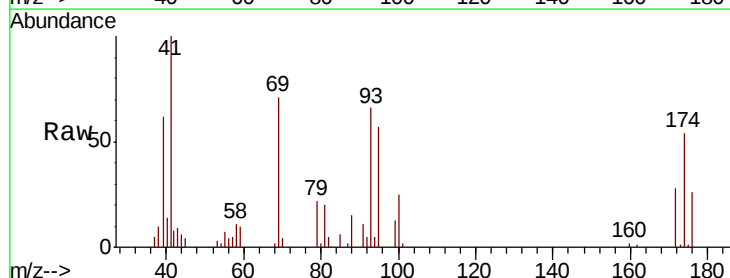
Tgt Ion: 93 Resp: 17379

Ion Ratio Lower Upper

93 100

95 85.7 0.0 167.6

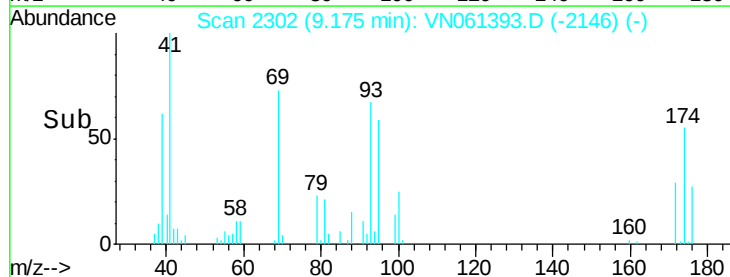
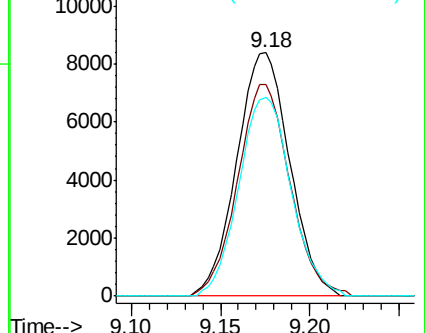
174 81.0 0.0 187.2

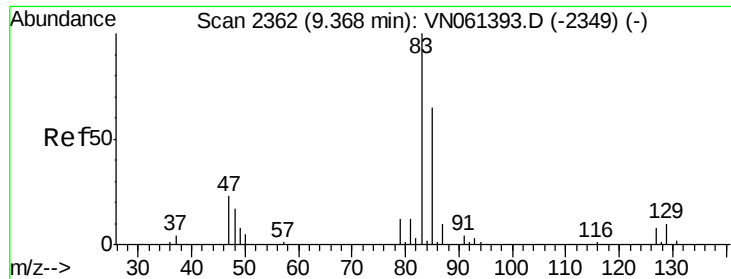


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

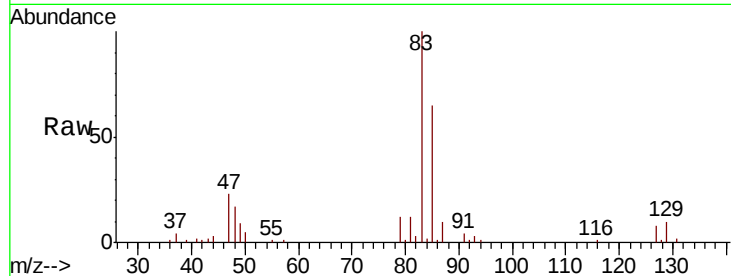




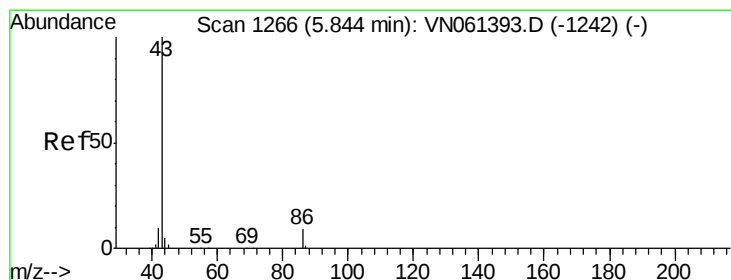
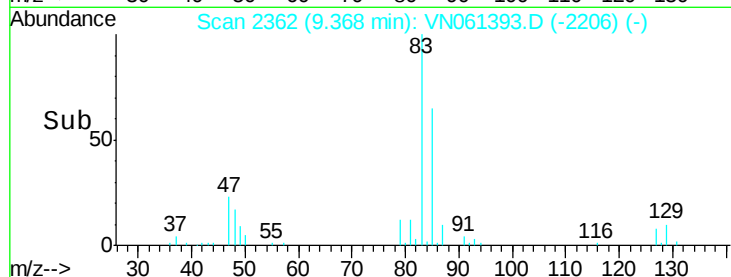
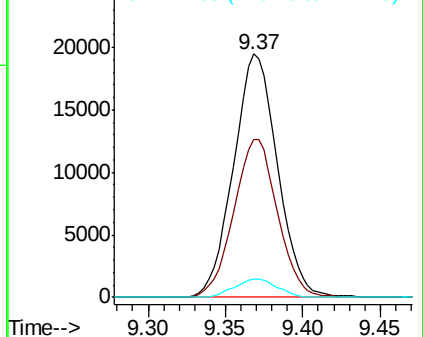
#41
 Bromodichloromethane
 Concen: 21.837 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 83 Resp: 38466
 Ion Ratio Lower Upper
 83 100
 85 64.8 51.0 76.4
 127 7.5 6.6 9.8

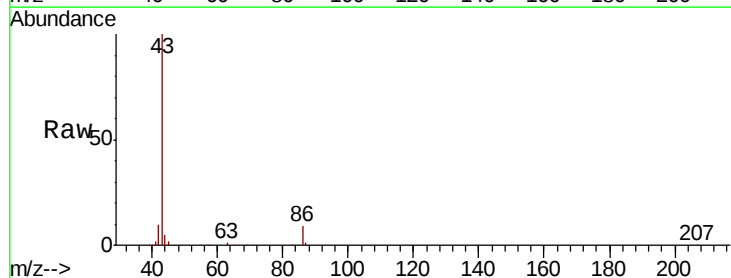


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): VN0

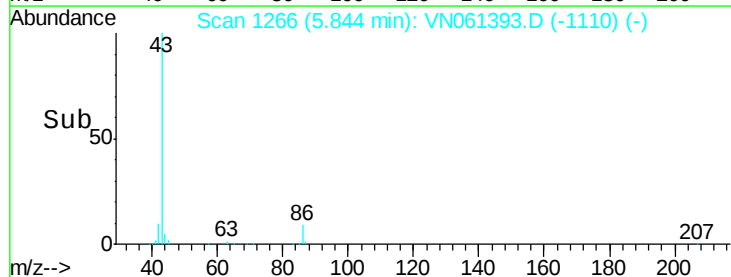
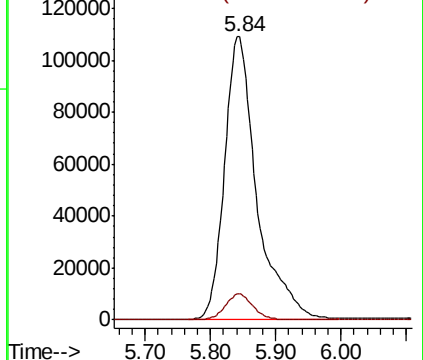


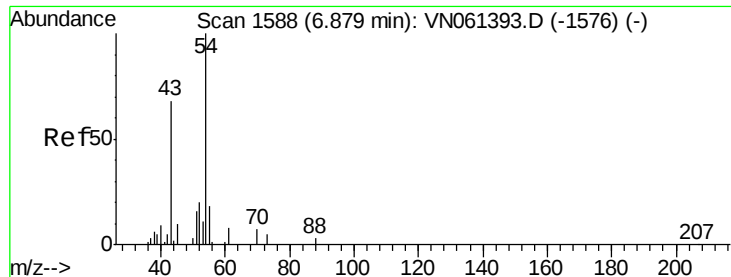
#42
 Vinyl Acetate
 Concen: 111.309 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion: 43 Resp: 372595
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.713 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

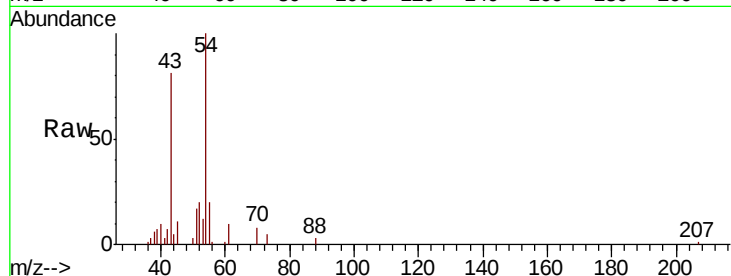
ClientSampled :

Tot Ion: 43 Resp: 36141

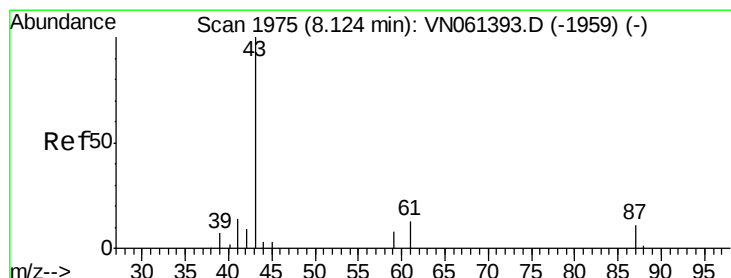
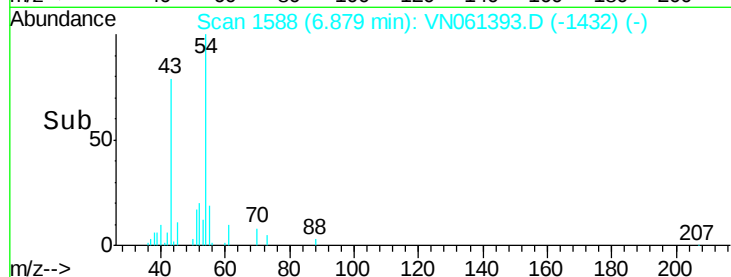
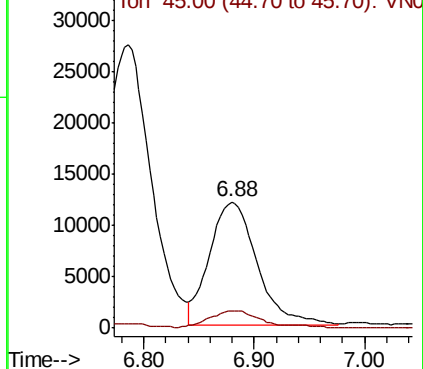
Ion Ratio Lower Upper

43 100

45 14.3 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN061393.D (-1576) (-)



#44

Isopropyl Acetate

Concen: 21.627 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN061393.D

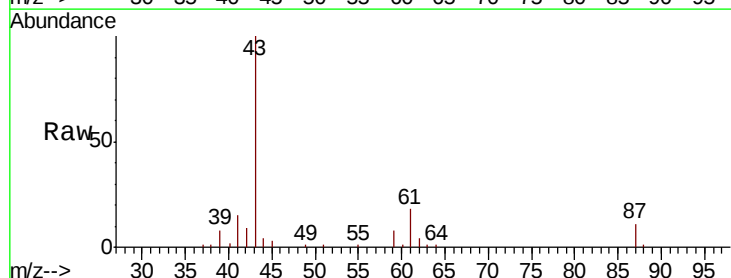
Acq: 14 May 2020 14:37

Tgt Ion: 43 Resp: 66100

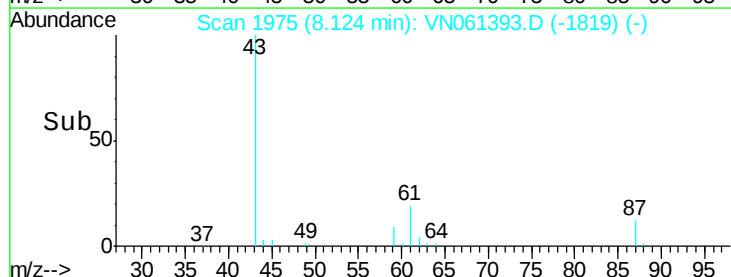
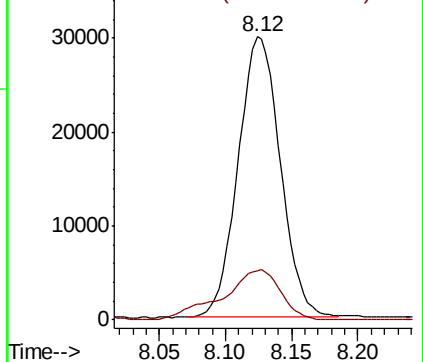
Ion Ratio Lower Upper

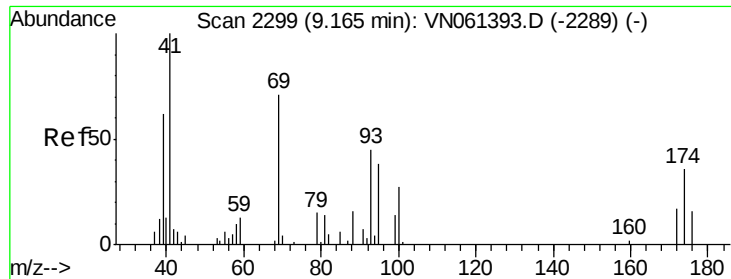
43 100

61 24.5 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN061393.D (-1959) (-)

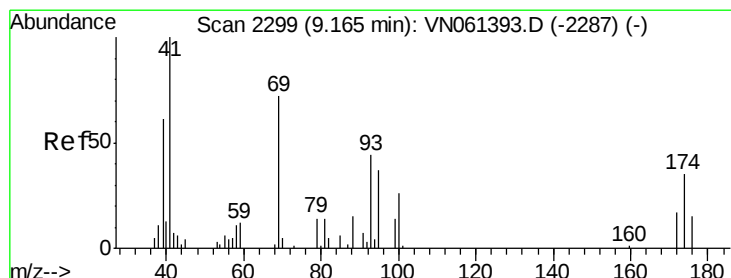
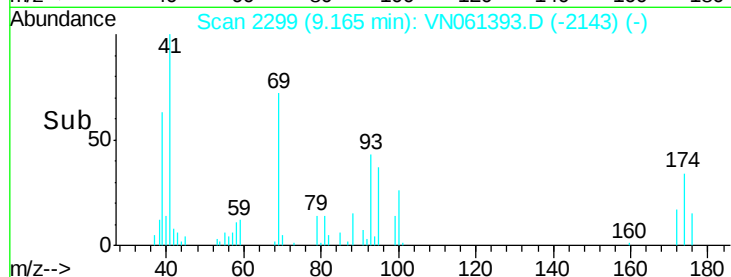
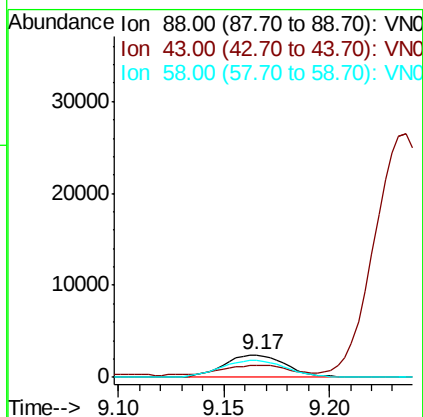
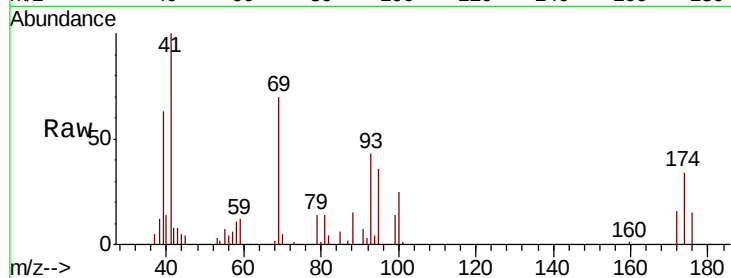




#45
1,4-Dioxane
Concen: 238.424 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

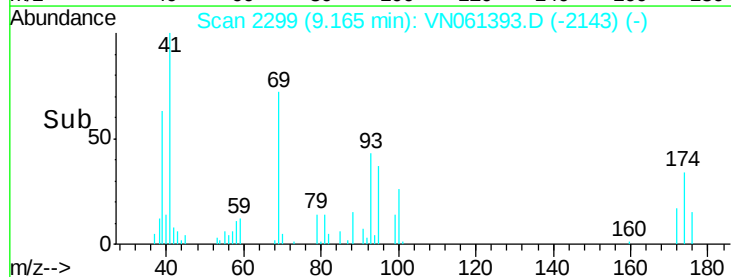
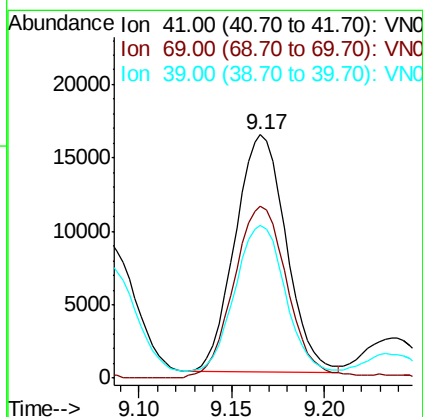
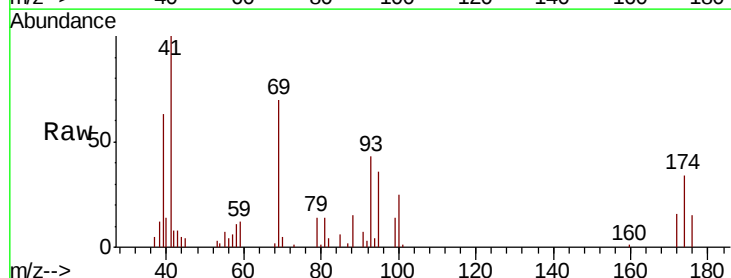
Instrument :
MSVOA_N
ClientSampleId :

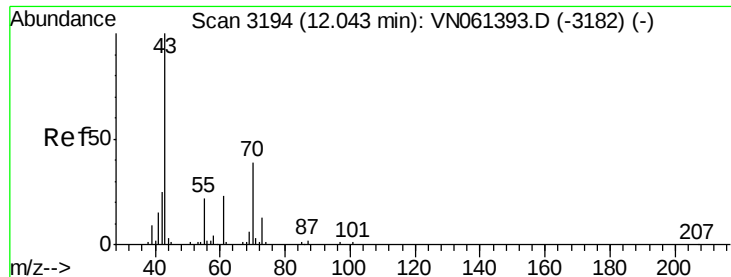
Tot Ion: 88 Resp: 5006
Ion Ratio Lower Upper
88 100
43 47.2 29.8 44.8#
58 78.4 58.2 87.4



#46
Methyl methacrylate
Concen: 21.812 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion: 41 Resp: 30831
Ion Ratio Lower Upper
41 100
69 71.5 40.2 120.5
39 61.5 29.9 89.8

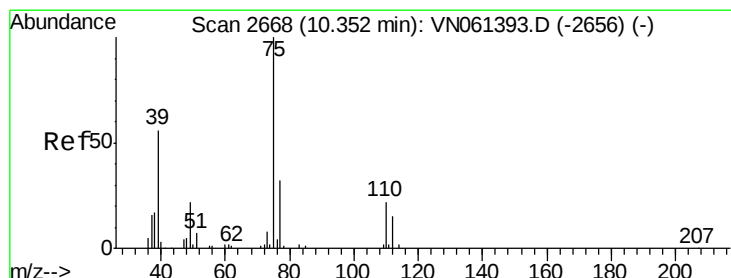
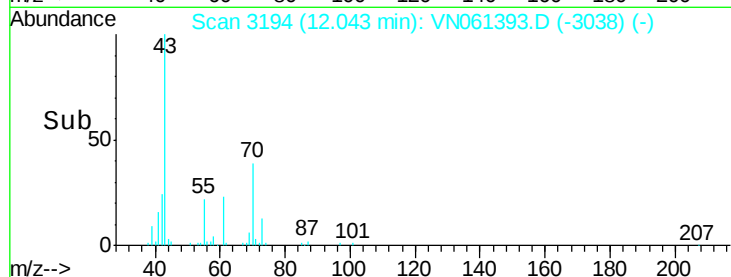
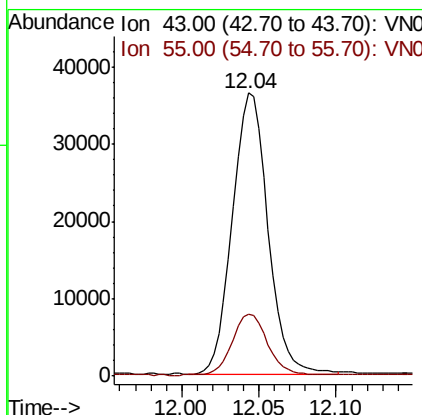
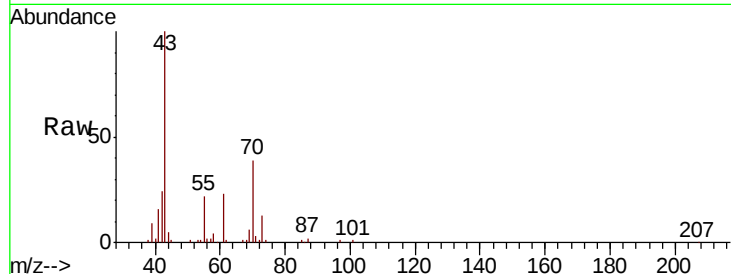




#47
n-amvl Acetate
Concen: 21.284 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

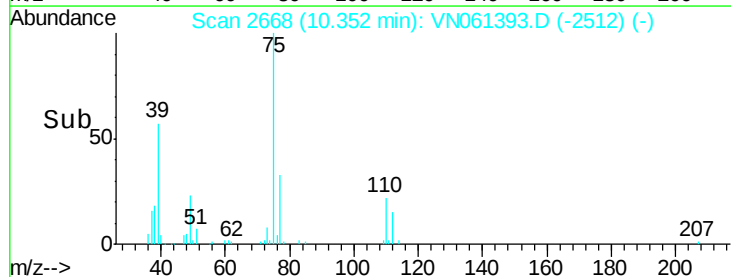
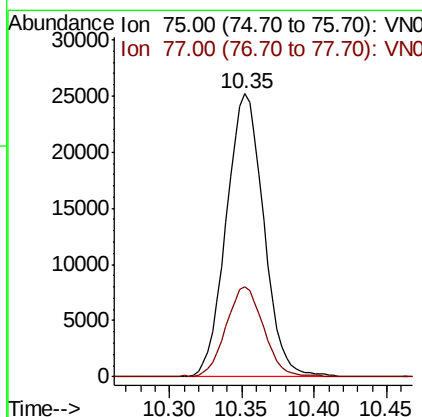
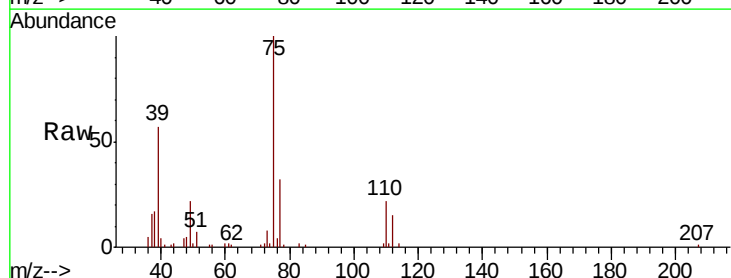
Instrument :
MSVOA_N
ClientSampled :

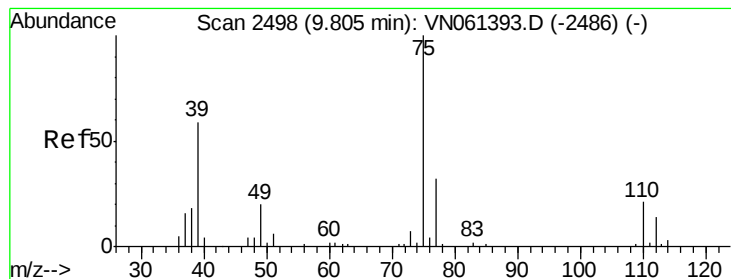
Tot Ion: 43 Resp: 57750
Ion Ratio Lower Upper
43 100
55 23.2 19.6 29.4



#48
t-1,3-Dichloropropene
Concen: 21.985 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion: 75 Resp: 45231
Ion Ratio Lower Upper
75 100
77 32.0 27.0 40.4



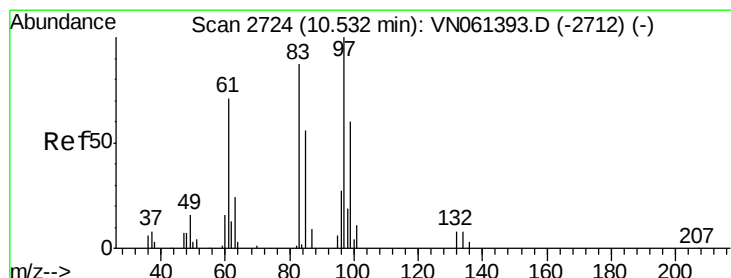
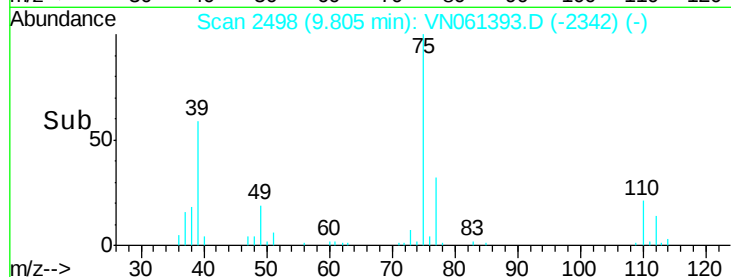
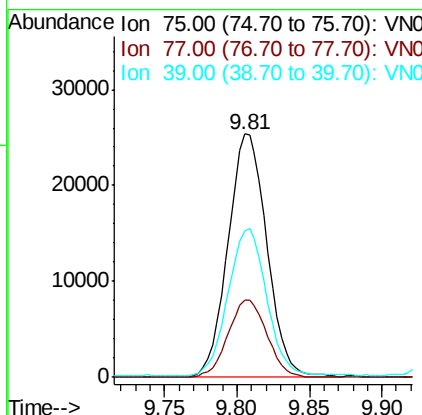
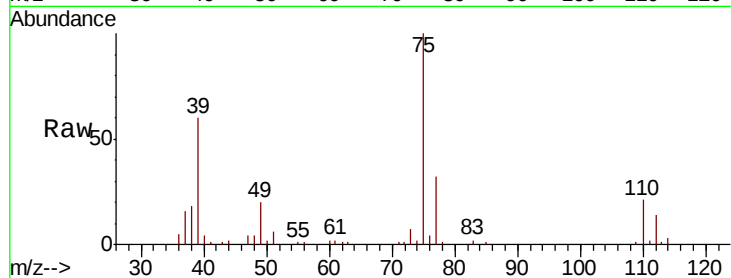


#49

cis-1,3-Dichloropropene
 Concen: 21.988 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Instrument :
 MSVOA_N
 ClientSampleId :

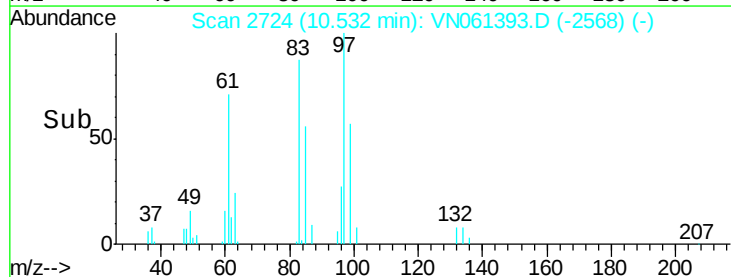
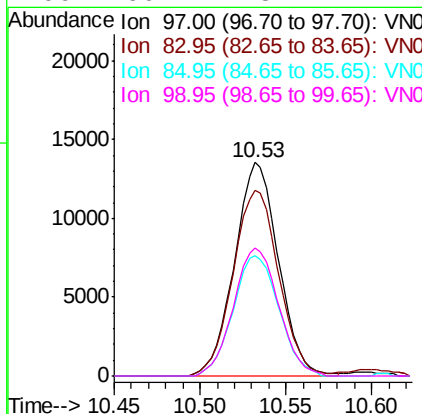
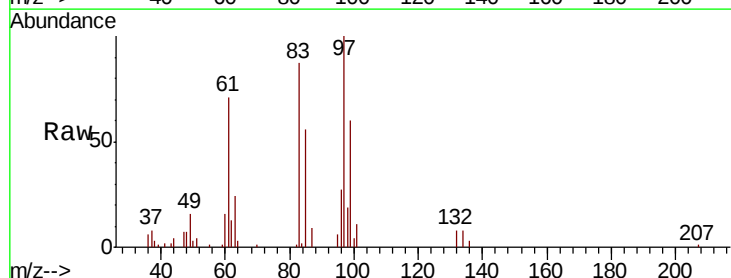
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.1	39.1
39	59.4	43.1	64.7

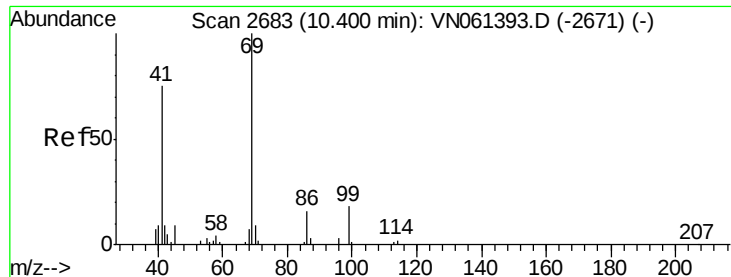


#50

1,1,2-Trichloroethane
 Concen: 20.005 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.7	106.1
85	56.4	45.1	67.7
99	60.1	48.2	72.4





#51

Ethyl methacrylate

Concen: 21.279 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

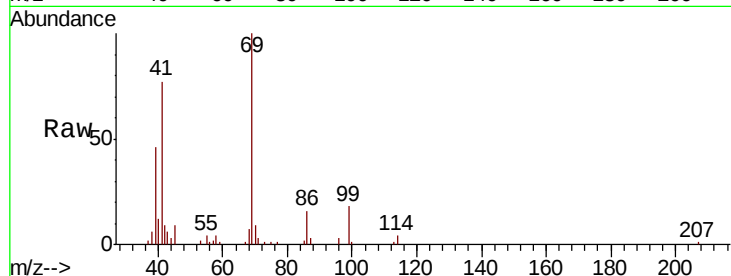
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 69 Resp: 41926

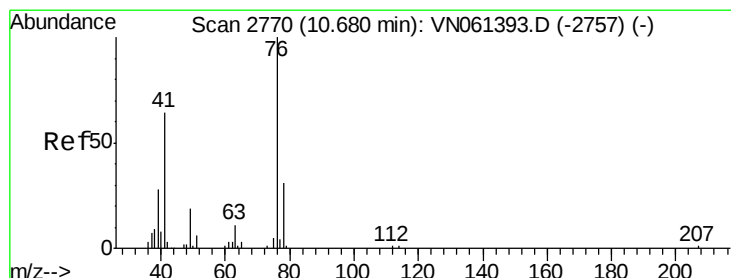
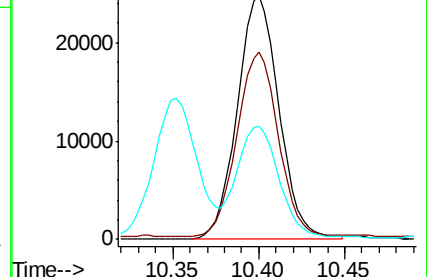
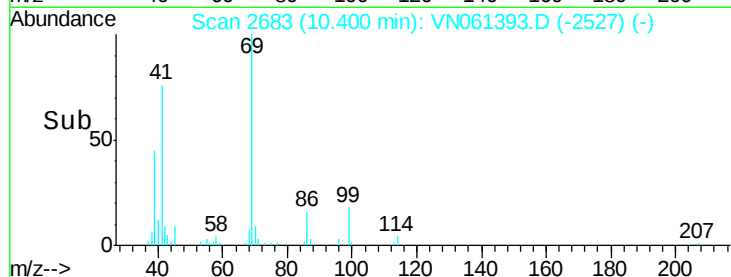
Ion	Ratio	Lower	Upper
69	100		
41	75.4	34.7	104.1
39	45.0	20.3	60.8



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: 21.068 ug/l

RT: 10.68 min Scan# 2770

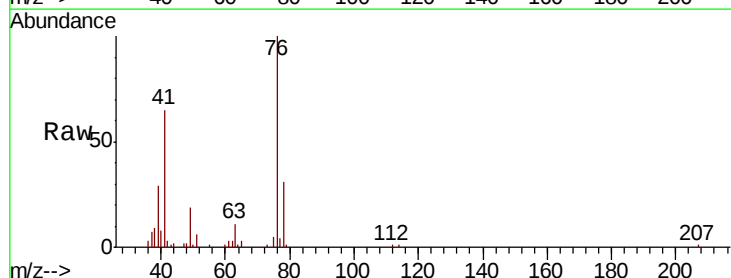
Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

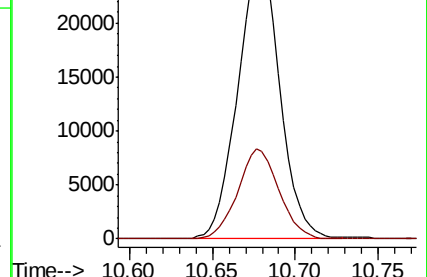
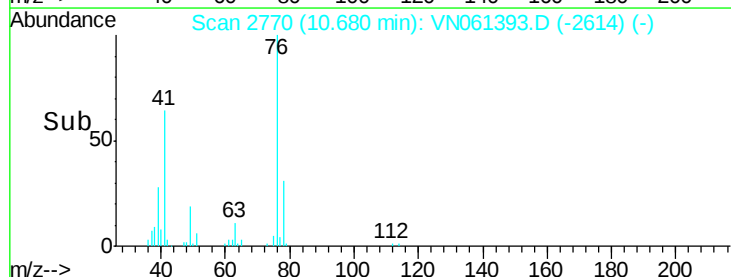
Tgt Ion: 76 Resp: 45731

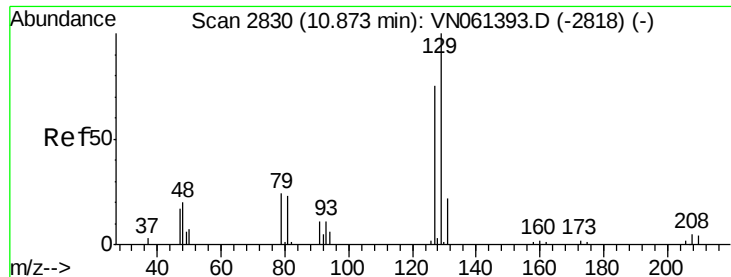
Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	63.2



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

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





#53

Dibromochloromethane

Concen: 20.204 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

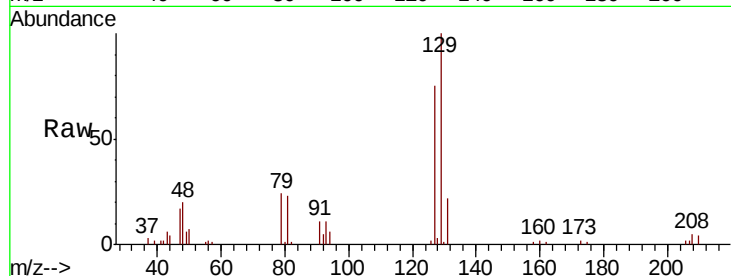
ClientSampleId :

Tot Ion:129 Resp: 26273

Ion Ratio Lower Upper

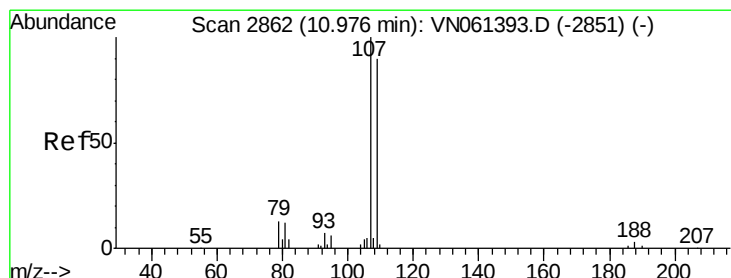
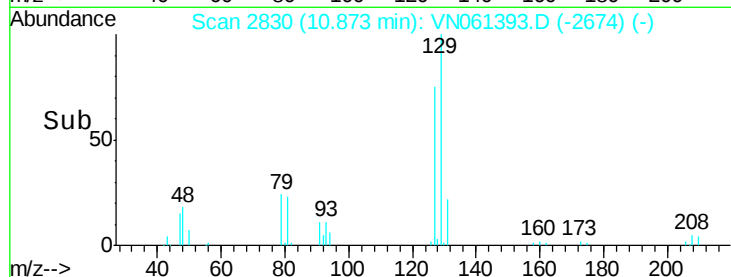
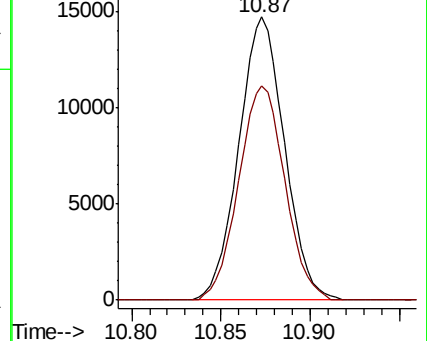
129 100

127 76.6 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.960 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VN061393.D

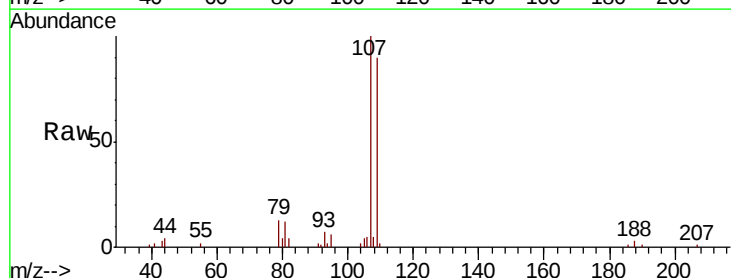
Acq: 14 May 2020 14:37

Tgt Ion:107 Resp: 24954

Ion Ratio Lower Upper

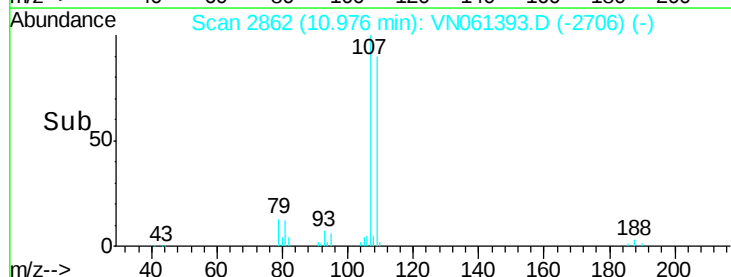
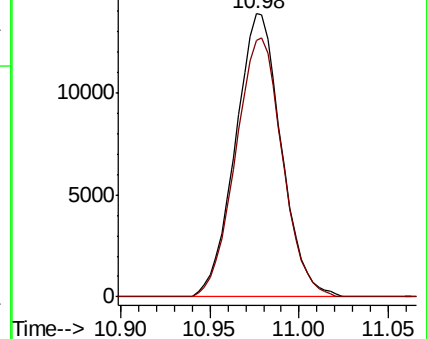
107 100

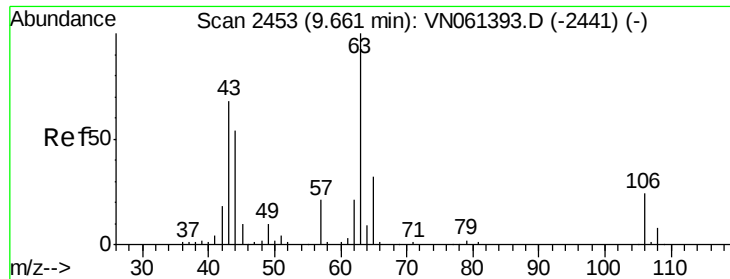
109 93.0 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

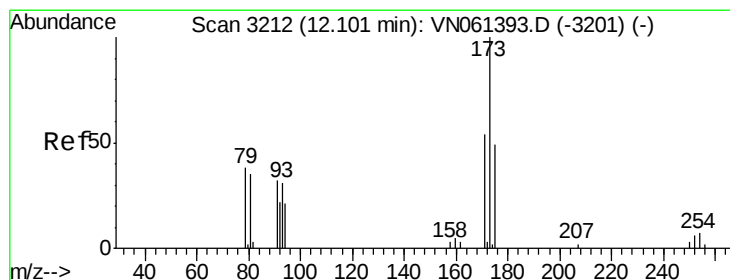
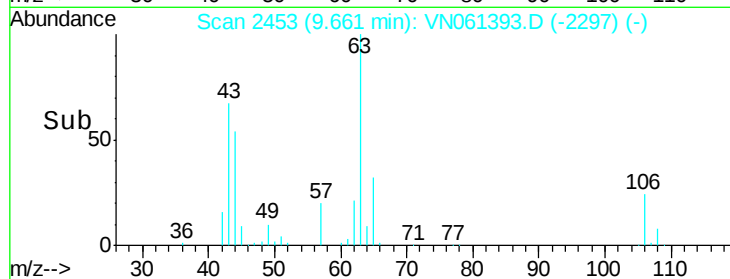
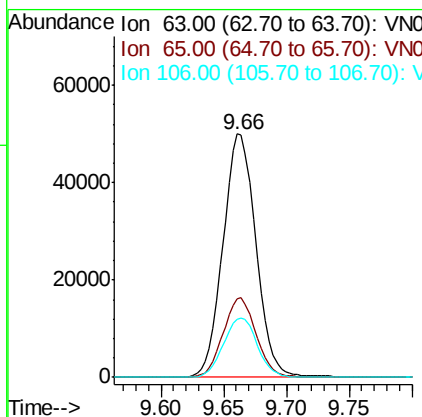
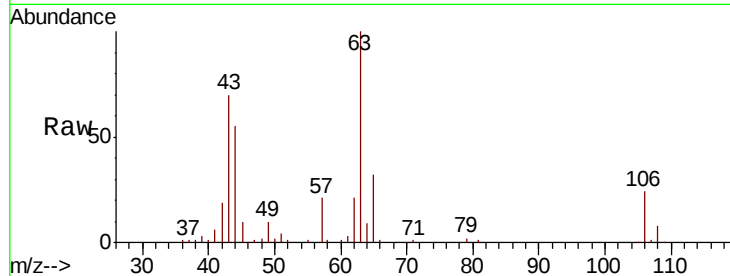




#55
2-Chloroethyl vinyl ether
Concen: 97.306 ug/l
RT: 9.66 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

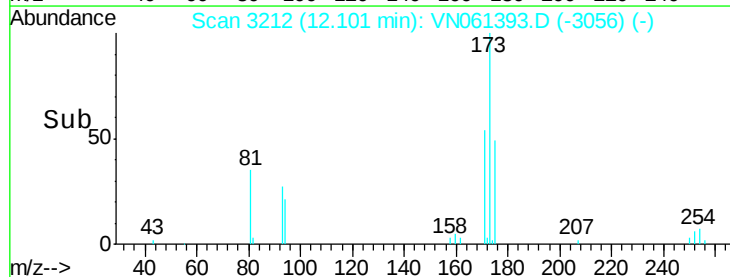
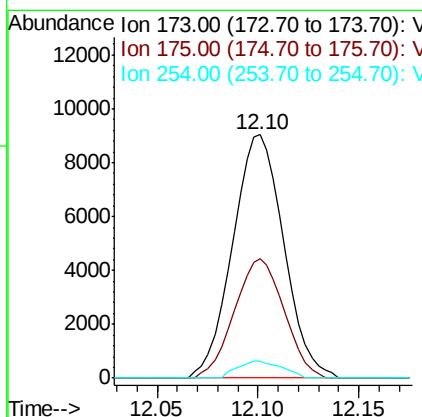
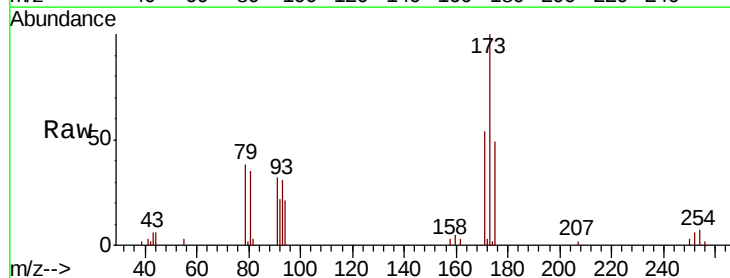
Instrument :
MSVOA_N
ClientSampleId :

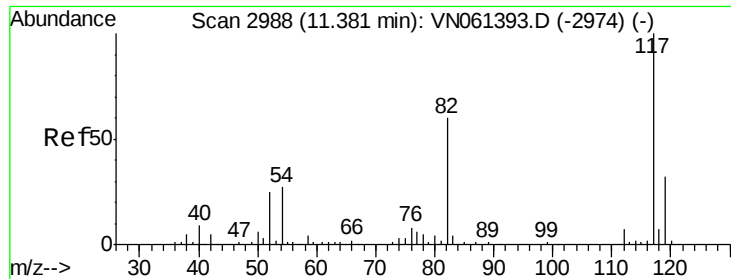
Tot Ion: 63 Resp: 91519
Ion Ratio Lower Upper
63 100
65 32.6 25.3 37.9
106 24.8 19.8 29.6



#56
Bromoform
Concen: 18.048 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion: 173 Resp: 16026
Ion Ratio Lower Upper
173 100
175 47.7 38.7 58.1
254 6.1 7.4 11.2#

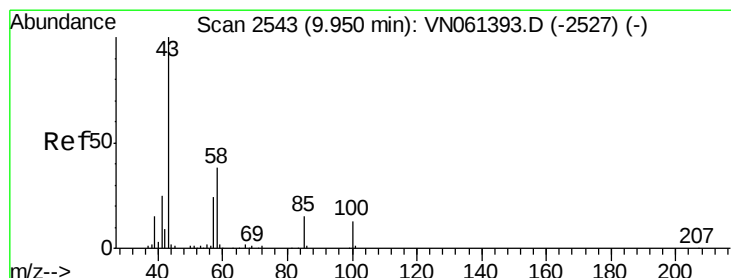
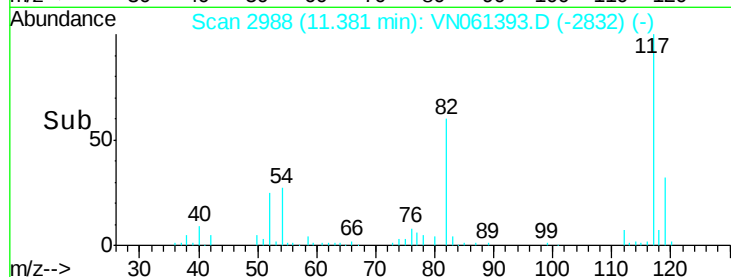
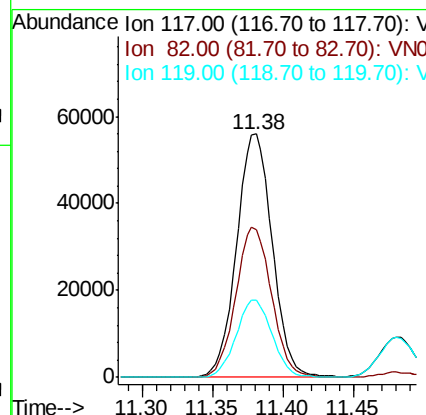
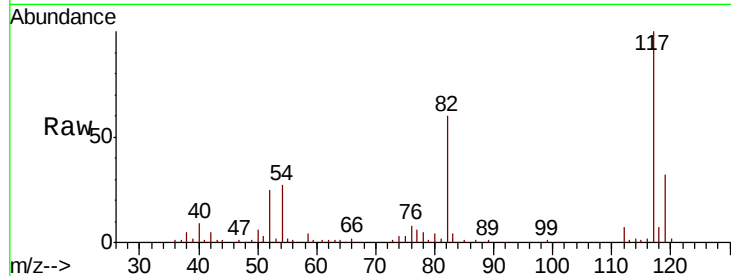




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

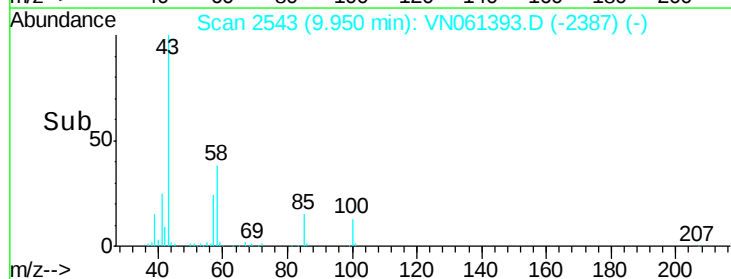
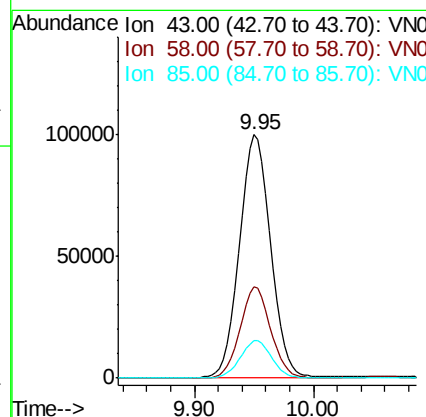
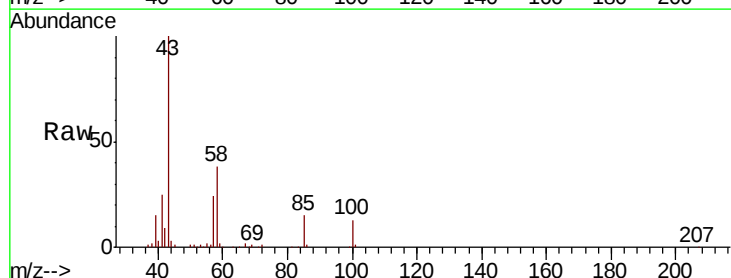
Instrument :
MSVOA_N
ClientSampleId :

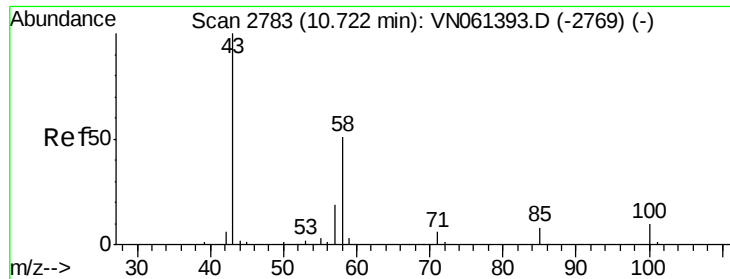
Tot Ion:117 Resp: 99359
Ion Ratio Lower Upper
117 100
82 61.6 46.9 70.3
119 31.9 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 101.031 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion: 43 Resp: 180365
Ion Ratio Lower Upper
43 100
58 36.9 30.1 45.1
85 15.5 13.2 19.8

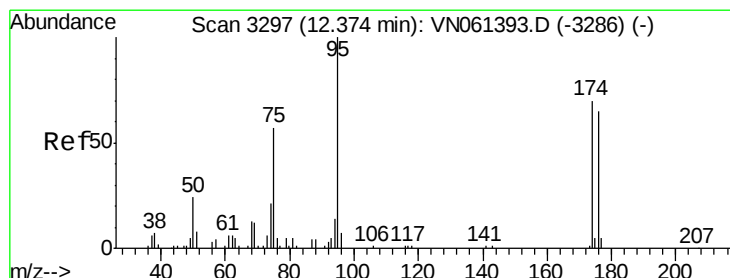
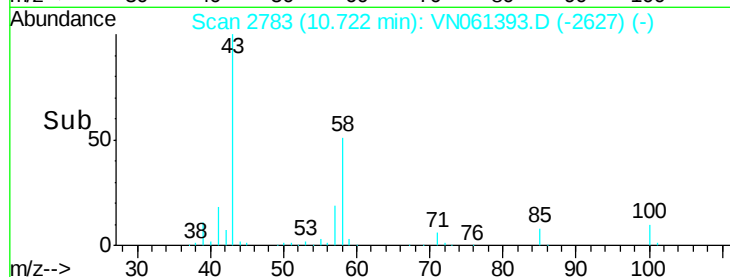
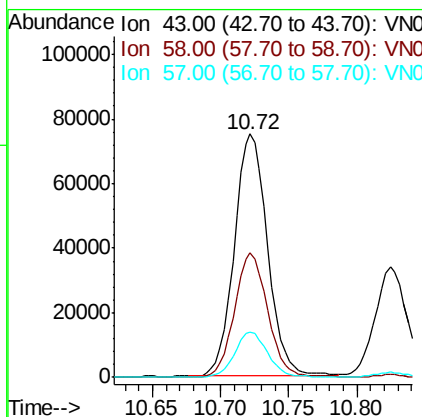
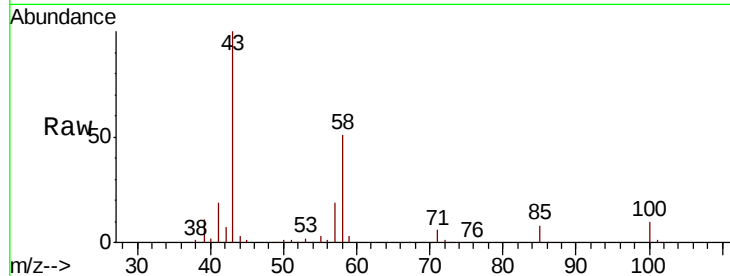




#59
2-Hexanone
Concen: 92.100 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

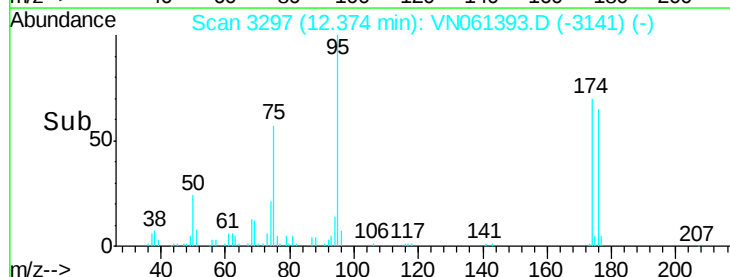
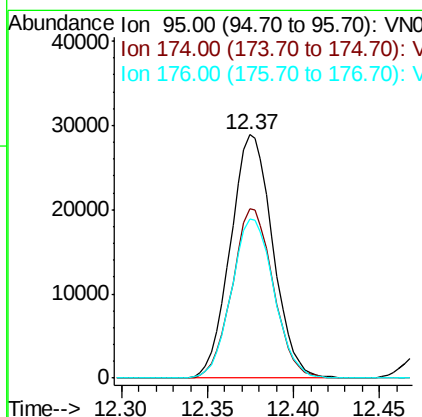
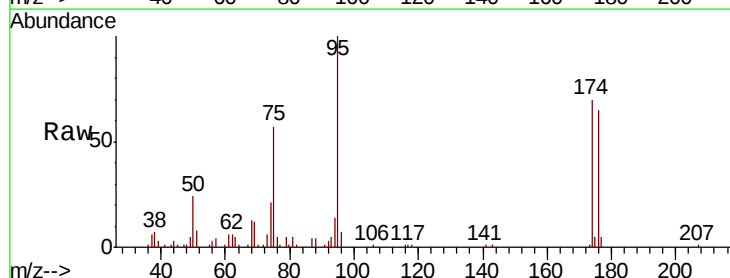
Instrument :
MSVOA_N
ClientSampled :

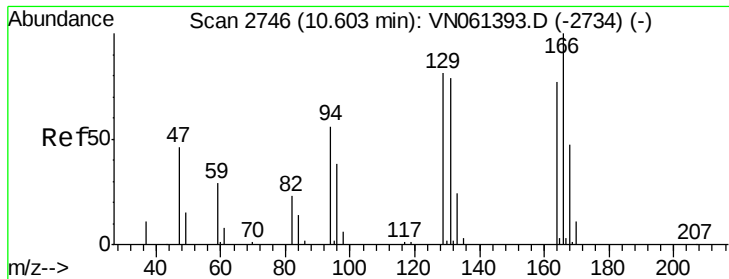
Tot Ion: 43 Resp: 127380
Ion Ratio Lower Upper
43 100
58 51.3 41.4 62.0
57 18.9 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 28.704 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion: 95 Resp: 49381
Ion Ratio Lower Upper
95 100
174 67.6 59.9 89.9
176 65.6 58.3 87.5





#61

Tetrachloroethene

Concen: 22.166 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 24132

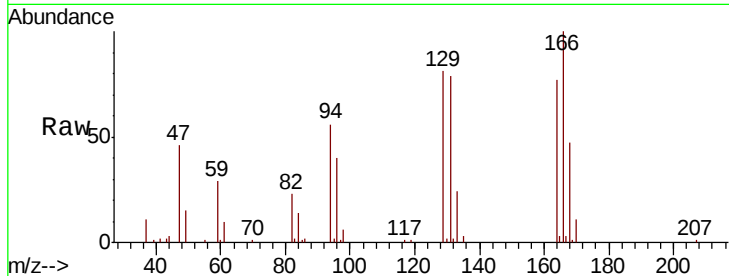
Ion Ratio Lower Upper

164 100

166 130.3 101.4 152.2

129 105.1 78.1 117.1

131 102.7 73.2 109.8

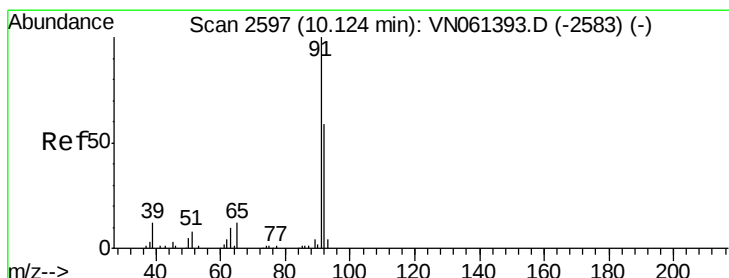
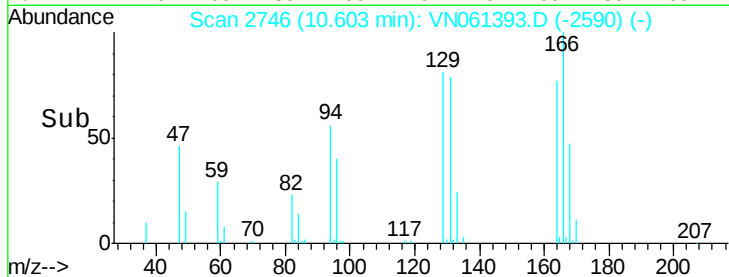
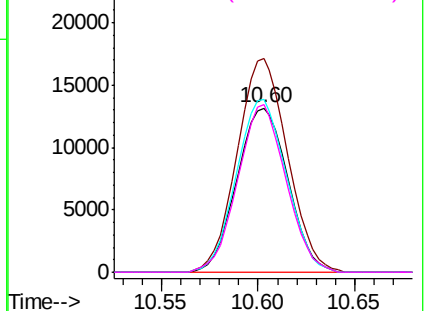


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.938 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061393.D

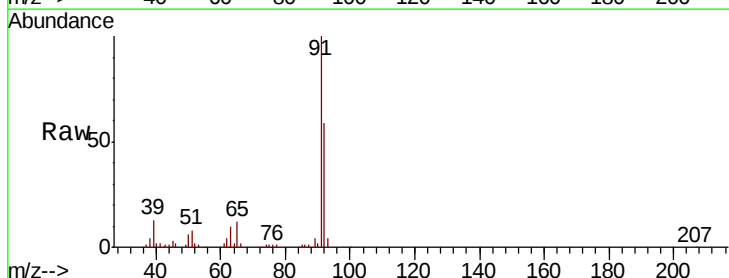
Acq: 14 May 2020 14:37

Tgt Ion: 91 Resp: 112011

Ion Ratio Lower Upper

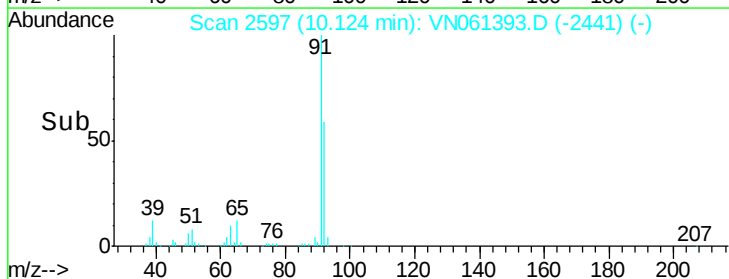
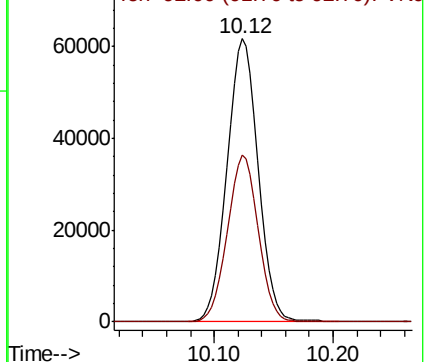
91 100

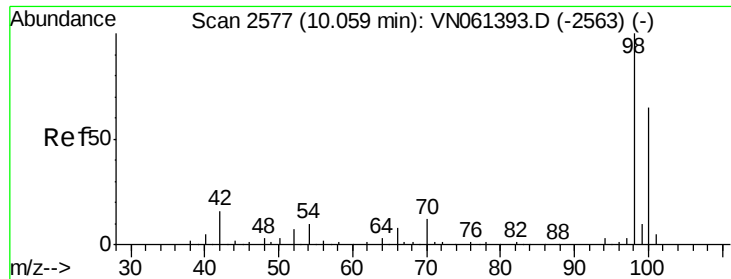
92 58.2 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.727 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

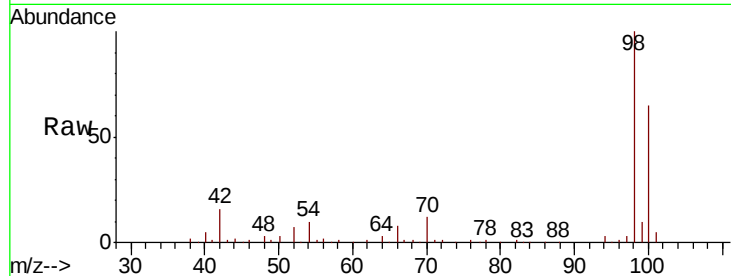
ClientSampleId :

Tot Ion: 98 Resp: 138586

Ion Ratio Lower Upper

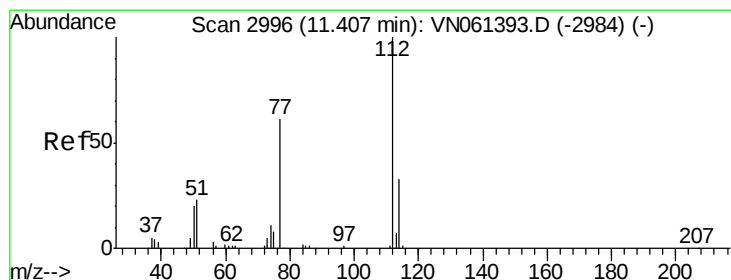
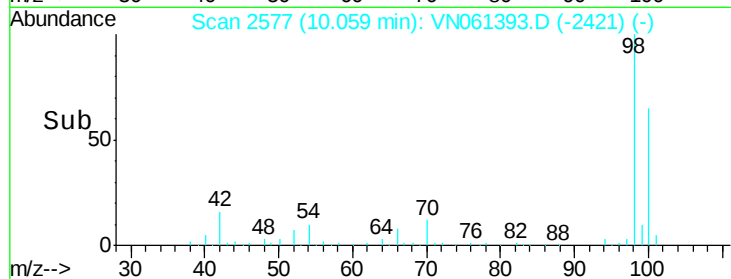
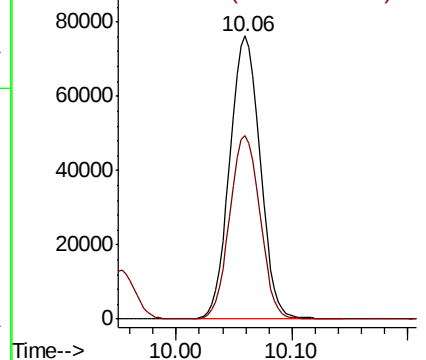
98 100

100 64.6 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN061393.D (-2563) (-)

Ion 100.00 (99.70 to 100.70): VN061393.D (-2563) (-)



#64

Chlorobenzene

Concen: 20.224 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061393.D

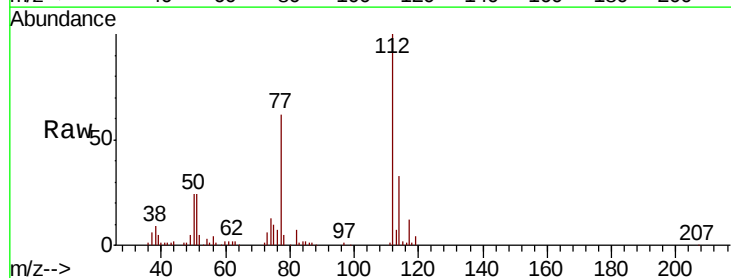
Acq: 14 May 2020 14:37

Tgt Ion: 112 Resp: 65662

Ion Ratio Lower Upper

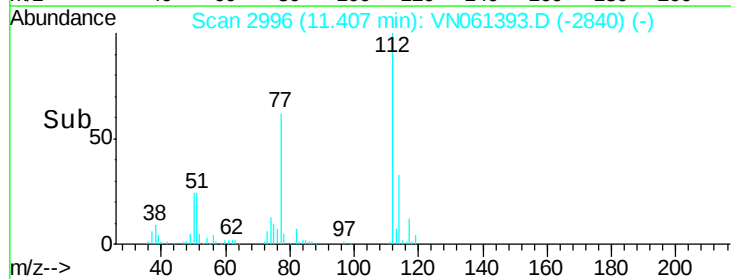
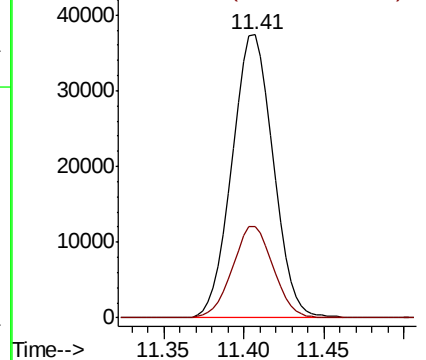
112 100

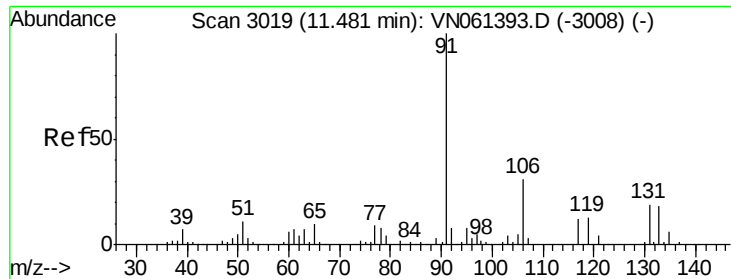
114 32.5 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN061393.D (-2984) (-)

Ion 114.00 (113.70 to 114.70): VN061393.D (-2984) (-)

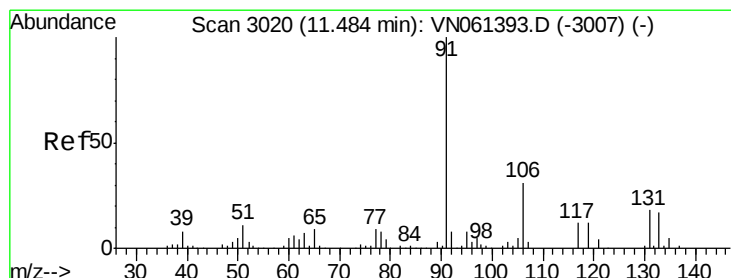
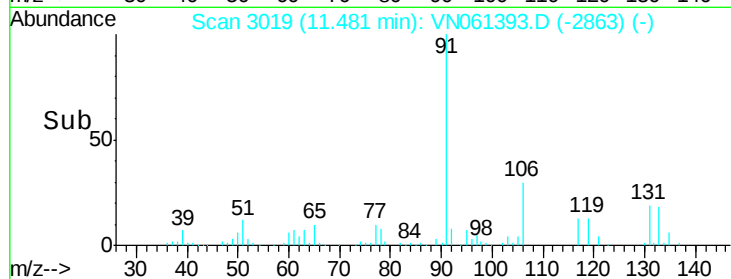
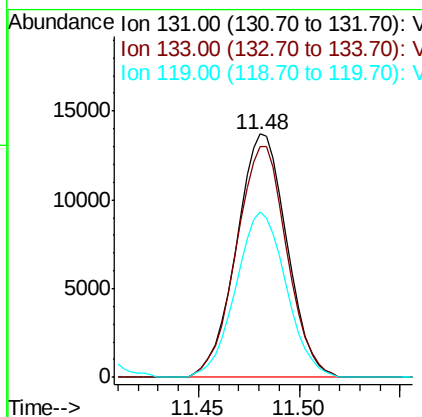
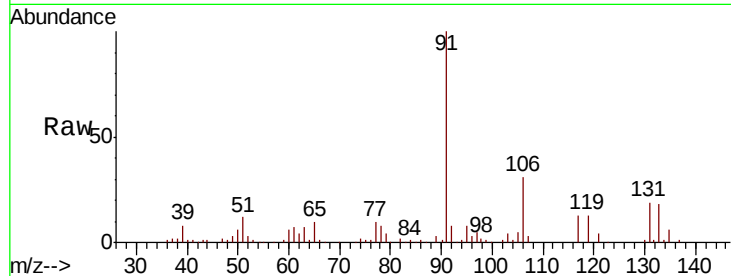




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.795 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

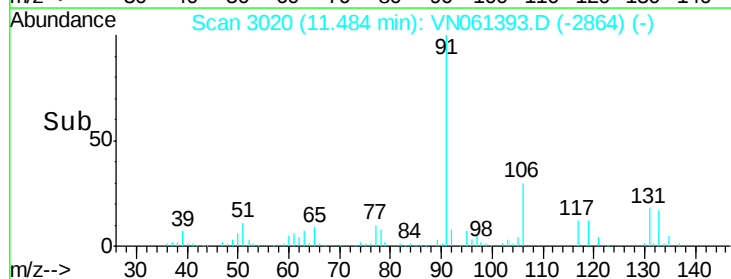
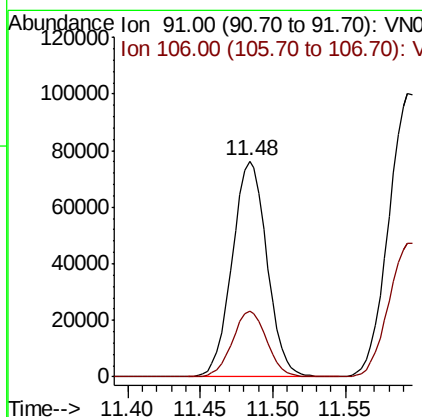
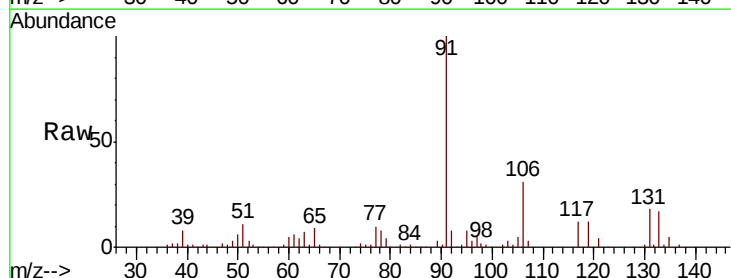
Instrument :
 MSVOA_N
 ClientSampleId :

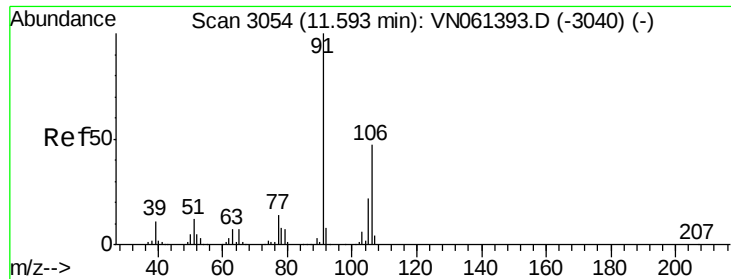
Tot Ion:131 Resp: 24020
 Ion Ratio Lower Upper
 131 100
 133 95.2 0.0 194.0
 119 67.7 0.0 136.8



#66
 Ethyl Benzene
 Concen: 21.334 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion: 91 Resp: 127085
 Ion Ratio Lower Upper
 91 100
 106 30.7 24.2 36.4





#67

m/p-Xvlenes

Concen: 42.015 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

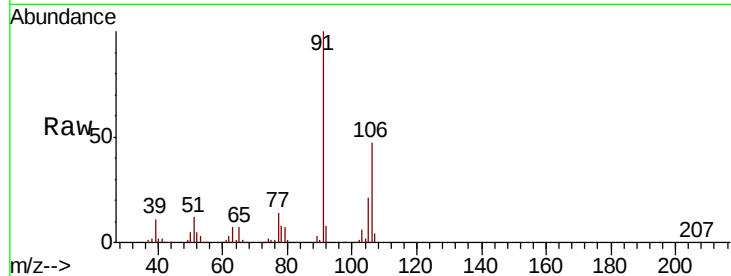
ClientSampled :

Tot Ion:106 Resp: 93318

Ion Ratio Lower Upper

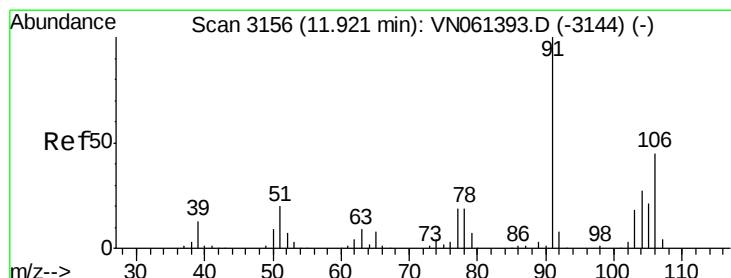
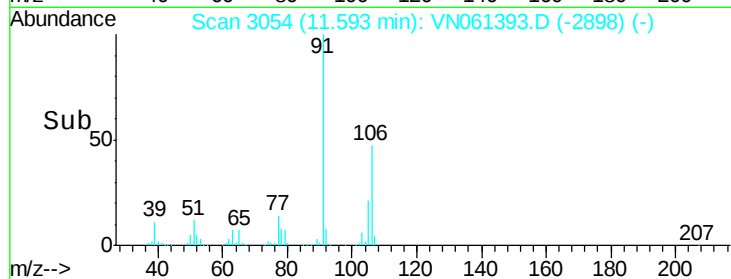
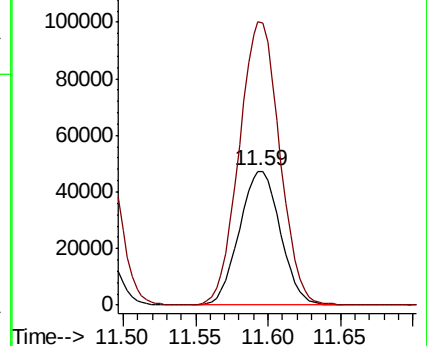
106 100

91 209.4 165.6 248.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.943 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN061393.D

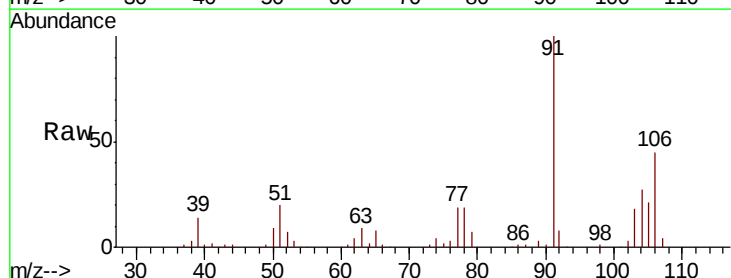
Acq: 14 May 2020 14:37

Tgt Ion:106 Resp: 45138

Ion Ratio Lower Upper

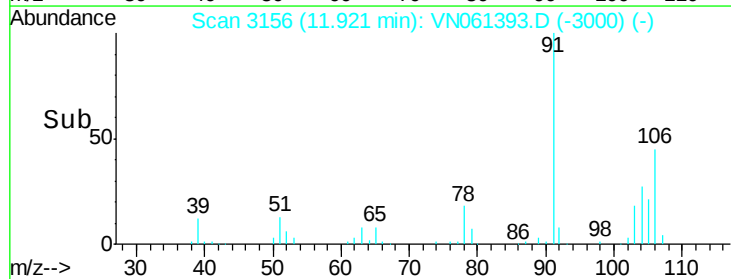
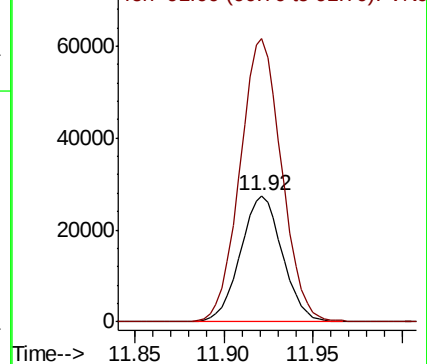
106 100

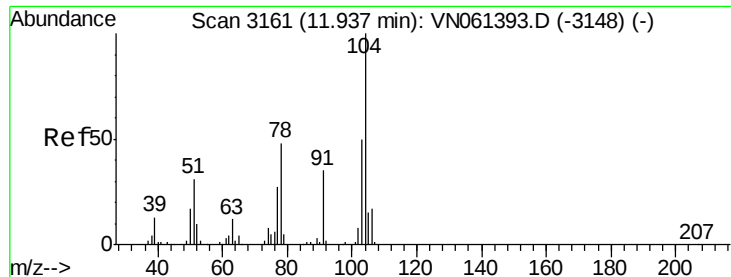
91 222.7 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

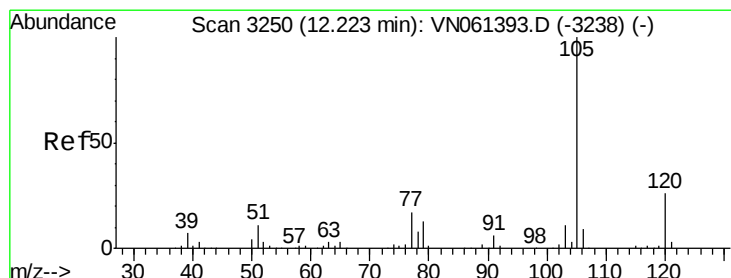
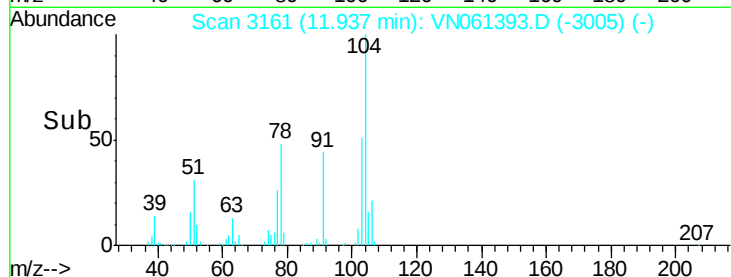
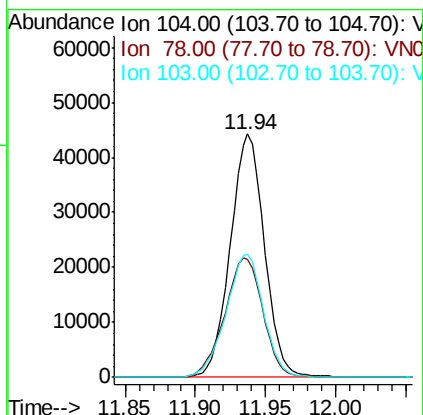
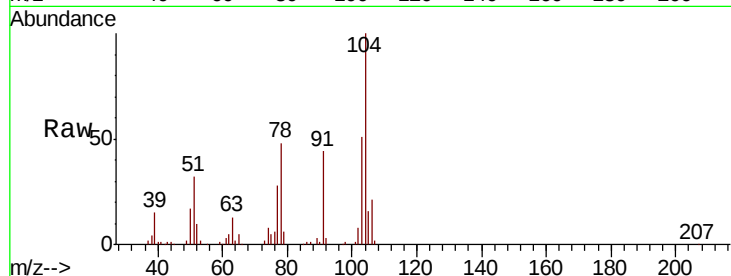




#69
Stvrene
Concen: 21.018 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

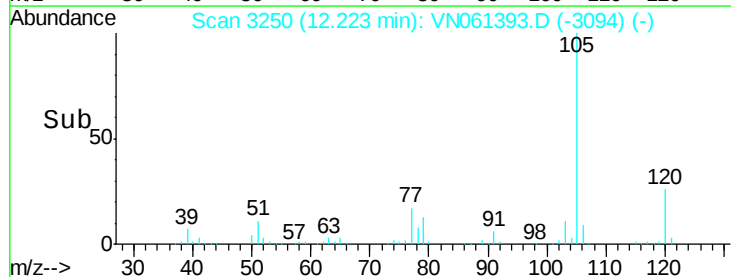
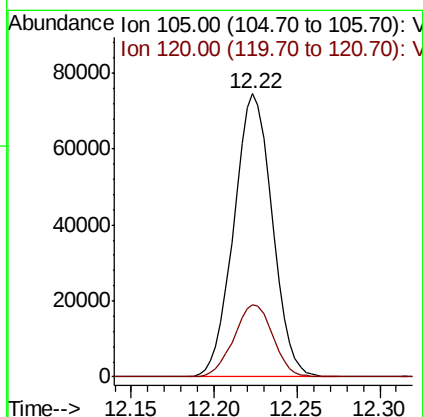
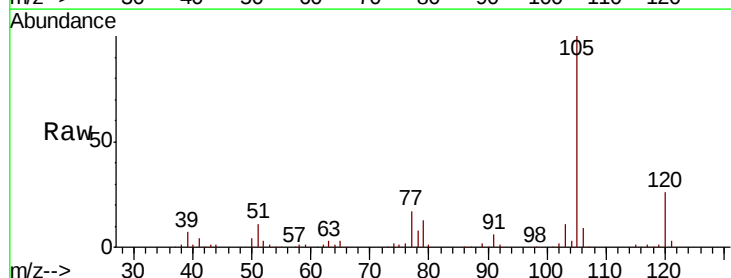
Instrument :
MSVOA_N
ClientSampled :

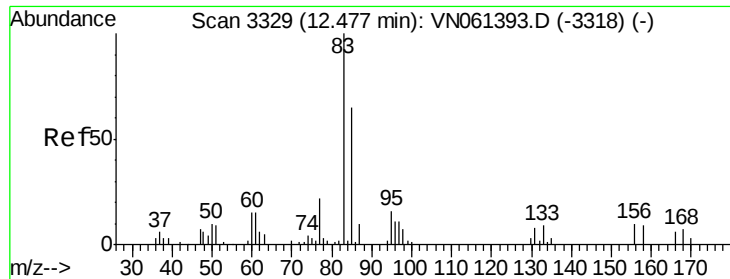
Tot Ion:104 Resp: 75236
Ion Ratio Lower Upper
104 100
78 54.9 42.4 63.6
103 55.2 44.6 66.8



#70
Isopropylbenzene
Concen: 20.777 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion:105 Resp: 120276
Ion Ratio Lower Upper
105 100
120 25.9 18.4 34.2

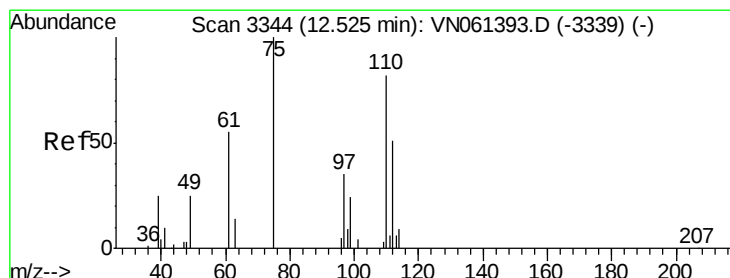
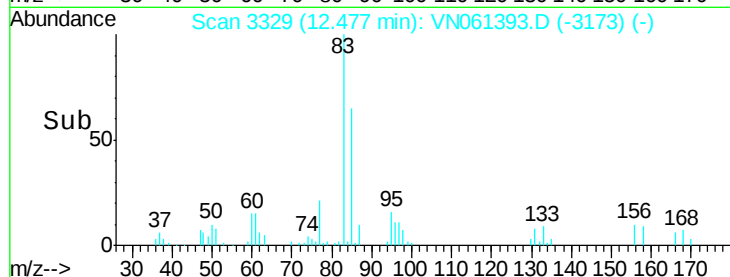
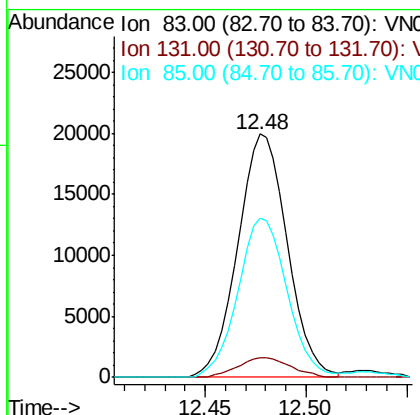
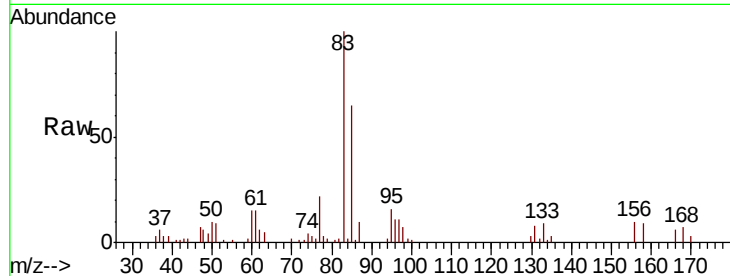




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.094 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

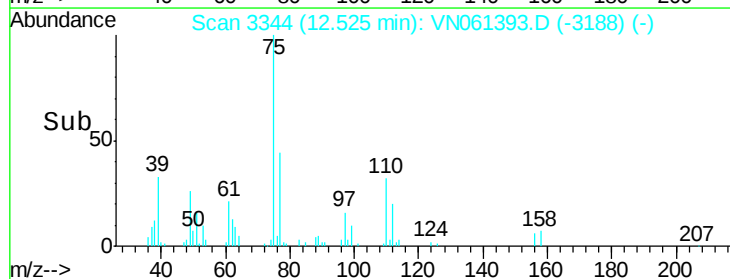
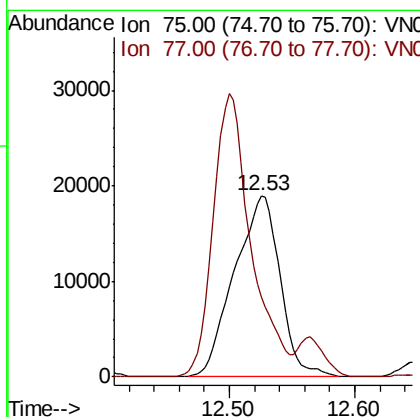
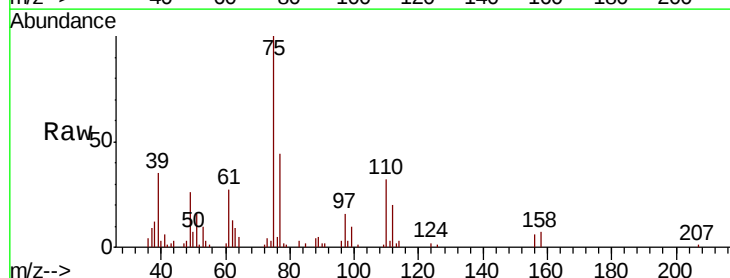
Instrument :
 MSVOA_N
 ClientSampleId :

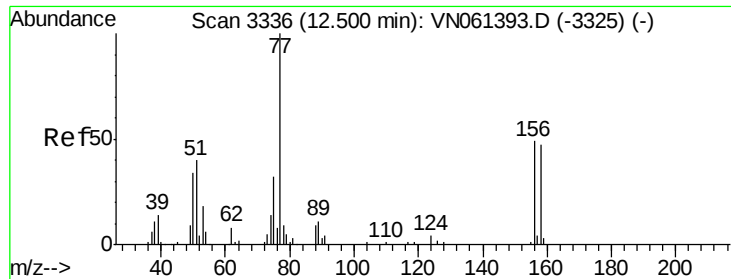
Tot Ion	83	Resp	34188
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.9	14.7
85	65.1	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 27.708 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion	75	Resp	48051
Ion Ratio	Lower	Upper	
75	100		
77	129.9	0.0	359.4





#73

Bromobenzene

Concen: 17.974 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

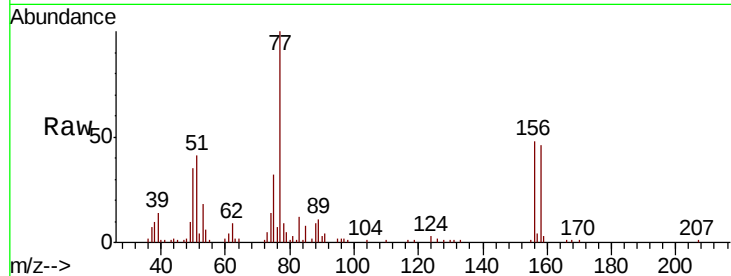
Tot Ion:156 Resp: 24530

Ion	Ratio	Lower	Upper
156	100		
77	254.4	0.0	456.0
158	97.2	0.0	195.4

156 100

77 254.4 0.0 456.0

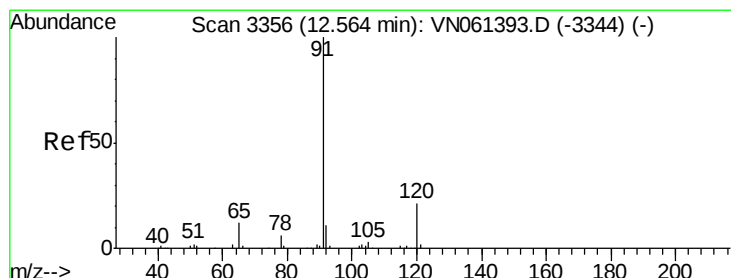
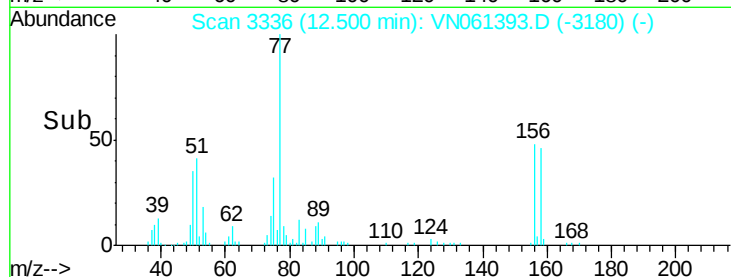
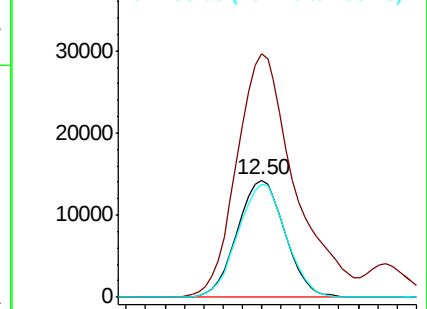
158 97.2 0.0 195.4



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: 21.090 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061393.D

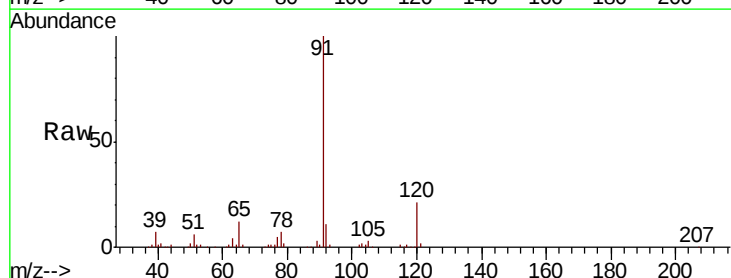
Acq: 14 May 2020 14:37

Tgt Ion: 91 Resp: 142951

Ion	Ratio	Lower	Upper
91	100		
120	21.4	0.0	43.6

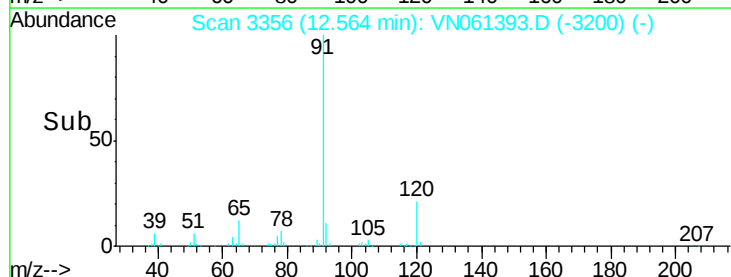
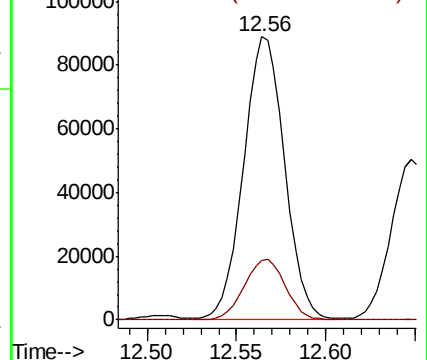
91 100

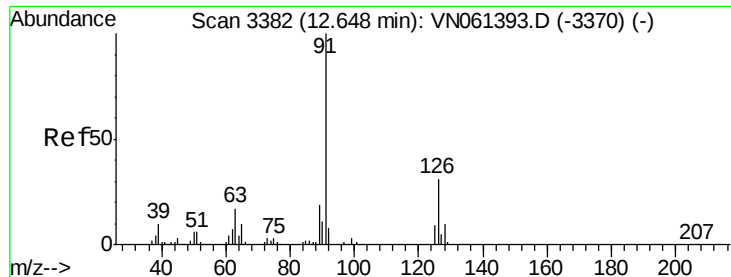
120 21.4 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.371 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

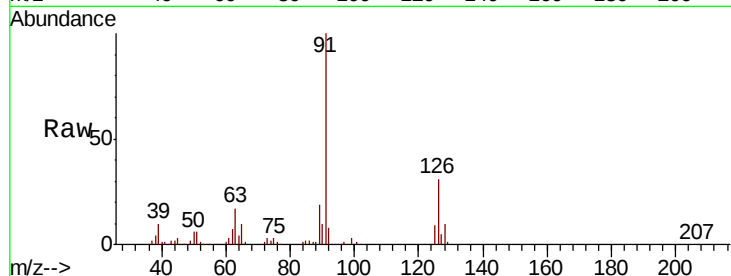
ClientSampled :

Tot Ion: 91 Resp: 82862

Ion Ratio Lower Upper

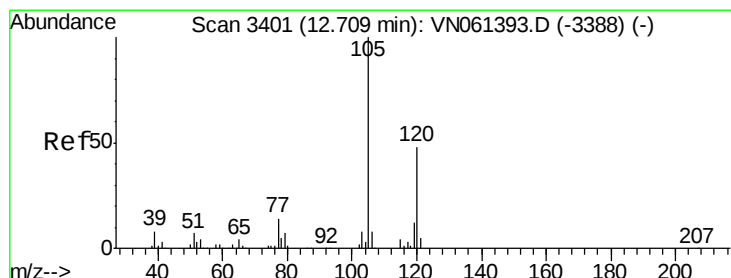
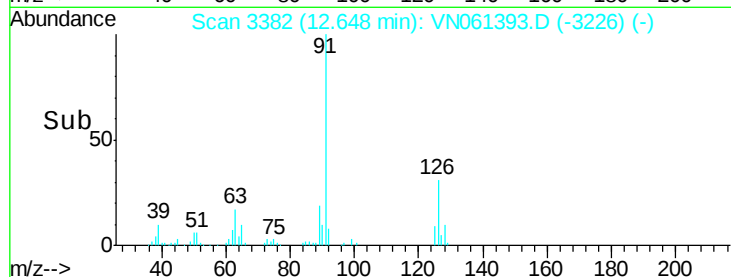
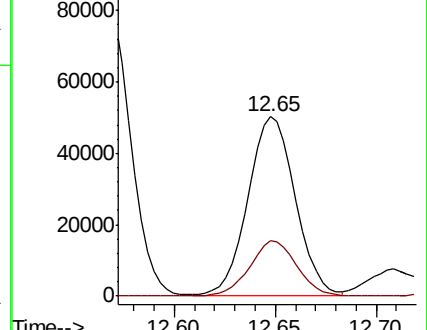
91 100

126 30.5 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: 20.397 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061393.D

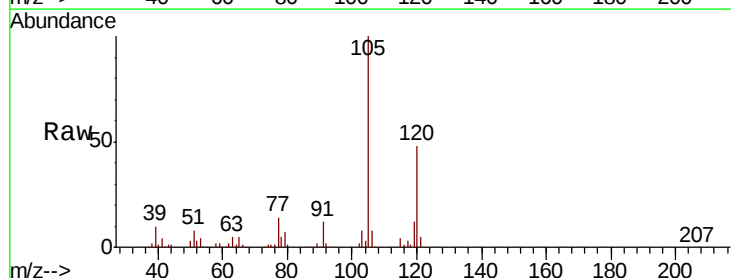
Acq: 14 May 2020 14:37

Tgt Ion:105 Resp: 100828

Ion Ratio Lower Upper

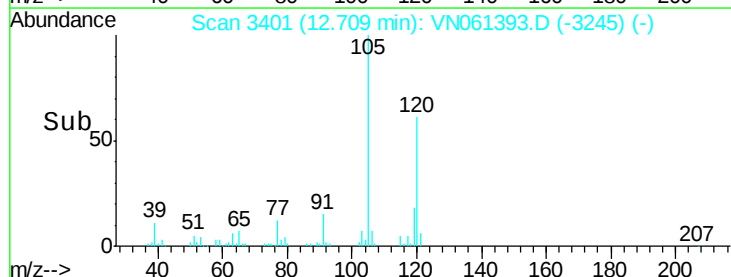
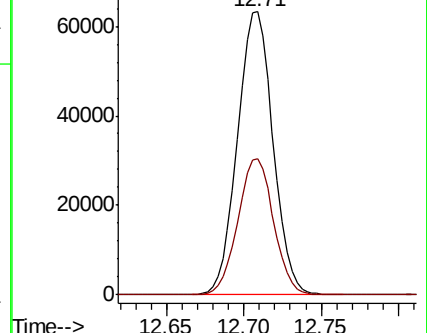
105 100

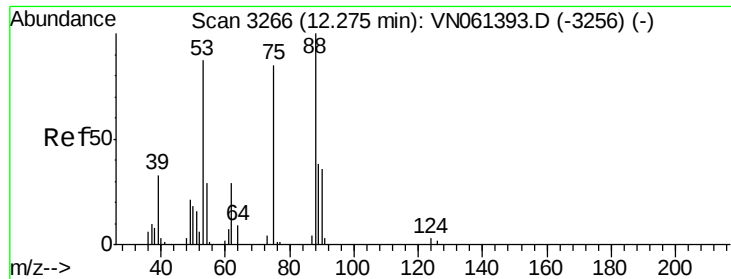
120 48.3 0.0 94.0



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: 19.416 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

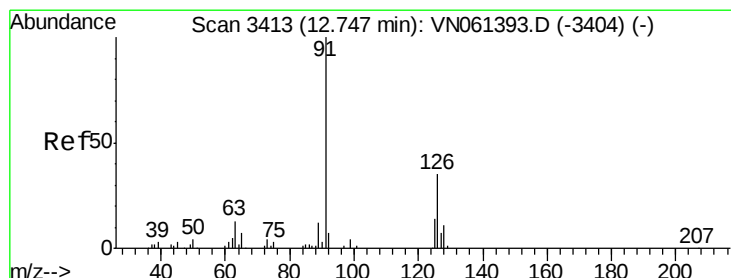
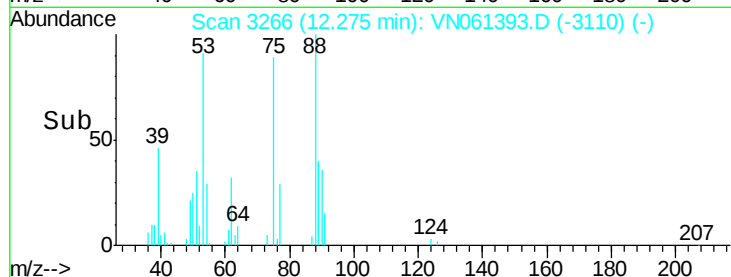
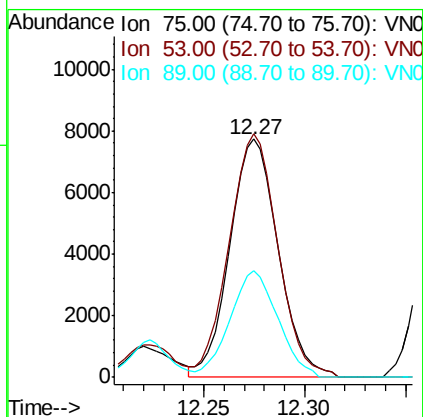
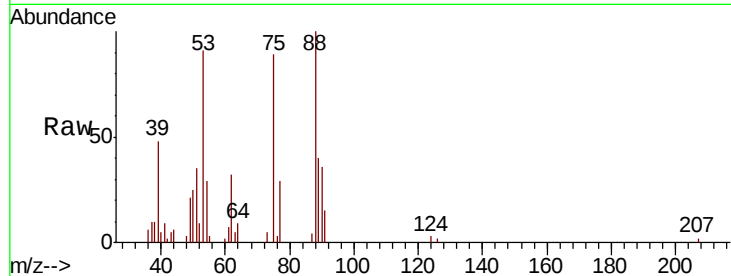
Tot Ion: 75 Resp: 13018

Ion Ratio Lower Upper

75 100

53 102.2 50.0 150.0

89 44.7 20.7 62.1



#78

4-Chlorotoluene

Concen: 20.352 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061393.D

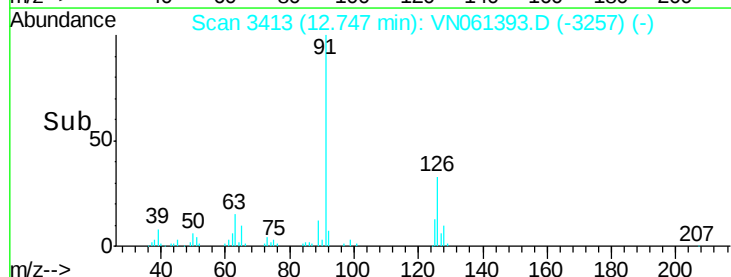
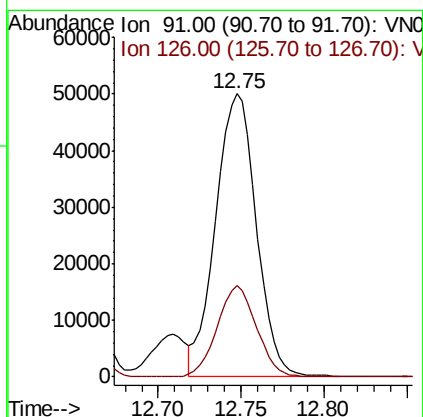
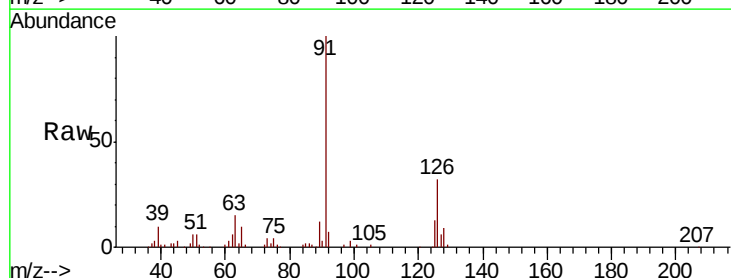
Acq: 14 May 2020 14:37

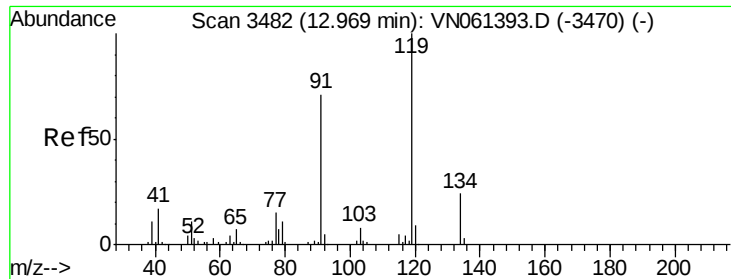
Tgt Ion: 91 Resp: 85502

Ion Ratio Lower Upper

91 100

126 31.0 0.0 63.4





#79

tert-butylbenzene

Concen: 20.024 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN061393.D

Acq: 14 May 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

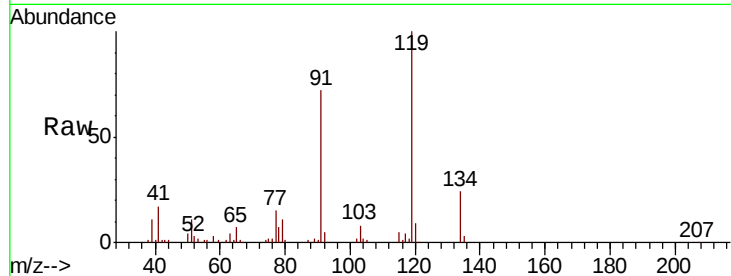
Tot Ion:119 Resp: 84213

Ion Ratio Lower Upper

119 100

91 71.0 0.0 136.4

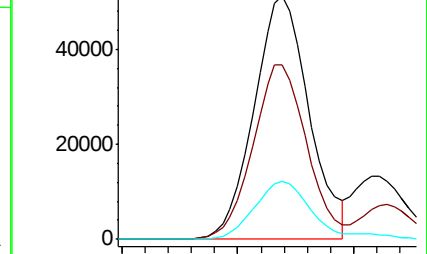
134 24.0 0.0 47.2



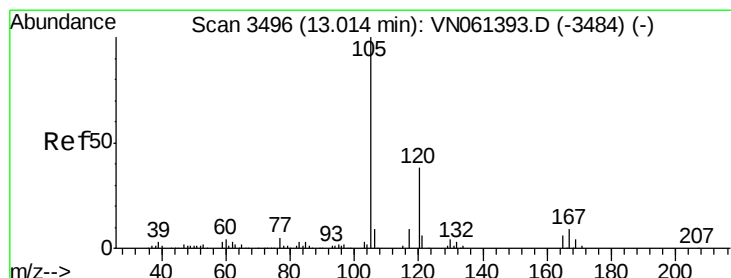
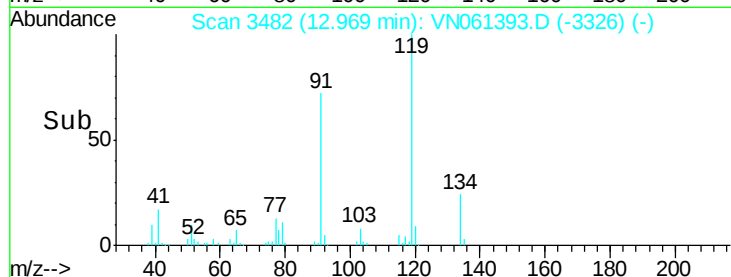
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



Time--> 12.90 12.95 13.00



#80

1,2,4-Trimethylbenzene

Concen: 20.259 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. 0.00 min

Lab File: VN061393.D

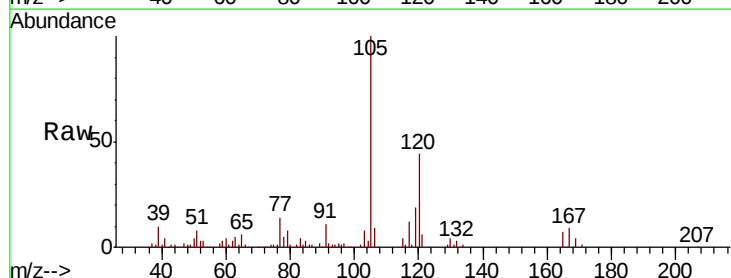
Acq: 14 May 2020 14:37

Tgt Ion:105 Resp: 99308

Ion Ratio Lower Upper

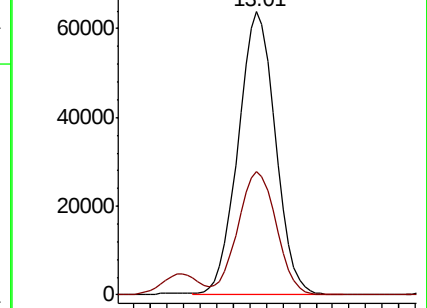
105 100

120 45.3 0.0 89.2

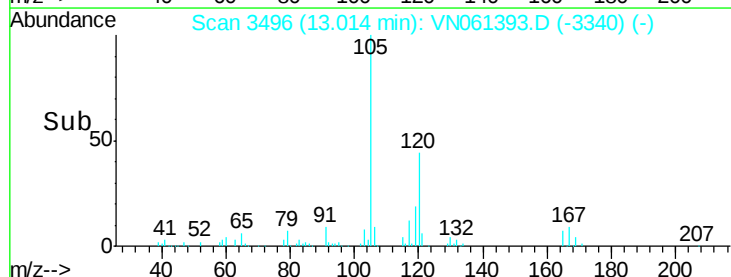


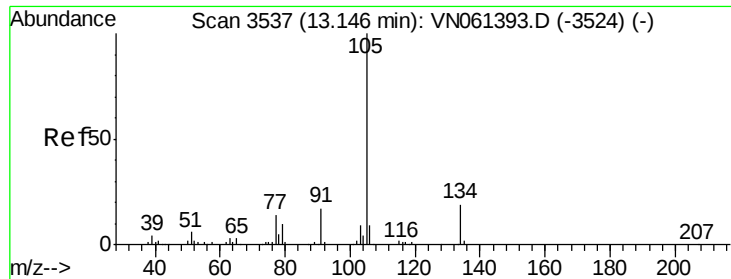
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.95 13.00 13.05

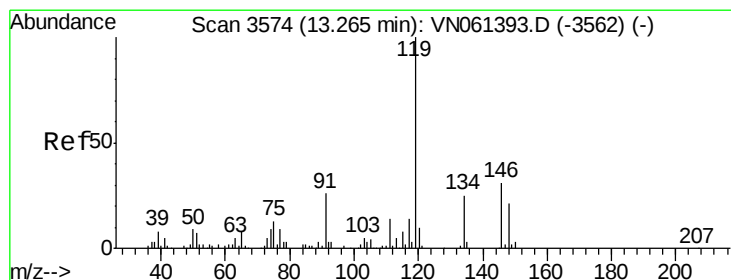
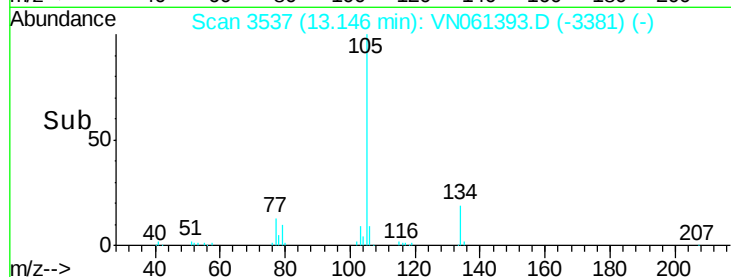
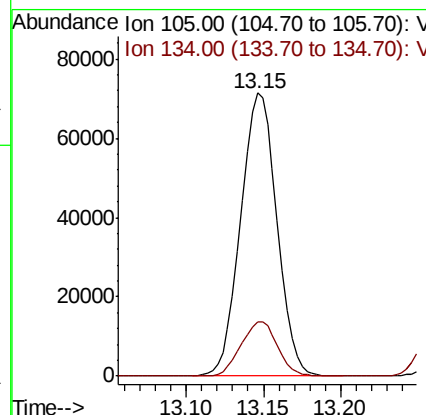
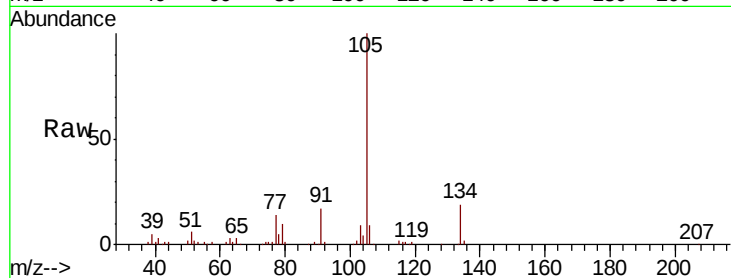




#81
 sec-Butylbenzene
 Concen: 20.454 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

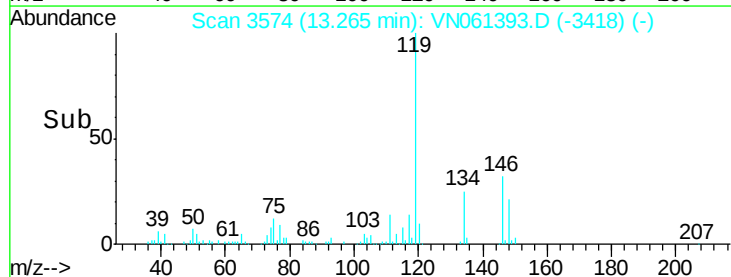
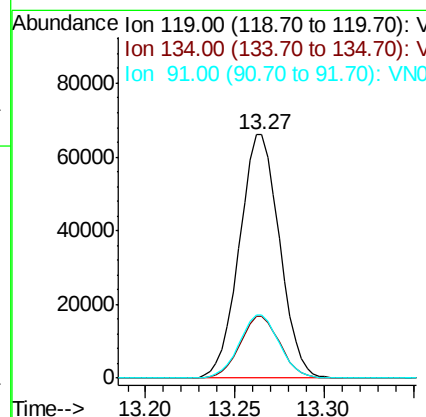
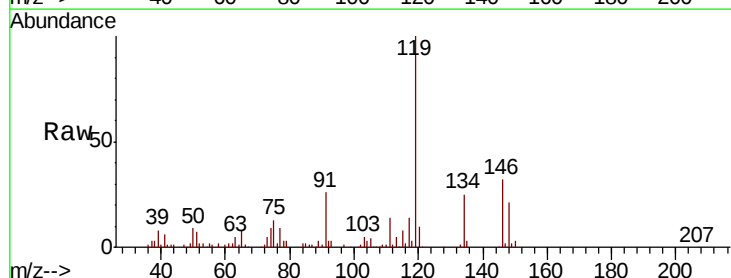
Instrument :
 MSVOA_N
 ClientSampled :

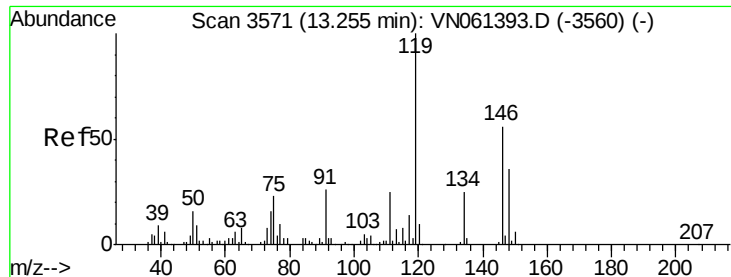
Tot Ion:105 Resp: 116169
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 38.0



#82
 p-Isopropyltoluene
 Concen: 20.287 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion:119 Resp: 103520
 Ion Ratio Lower Upper
 119 100
 134 25.1 0.0 50.8
 91 25.9 0.0 49.4

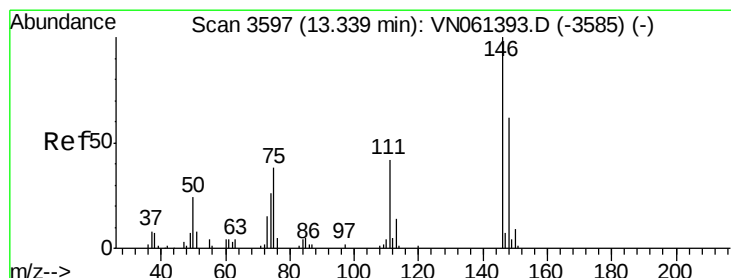
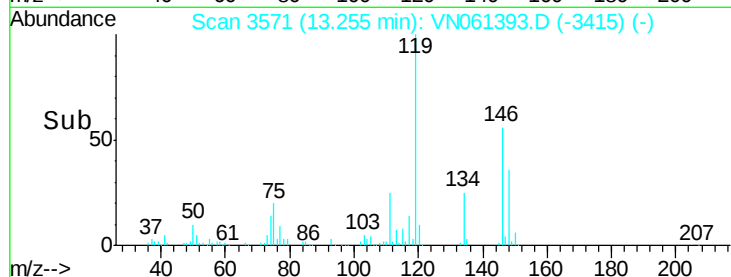
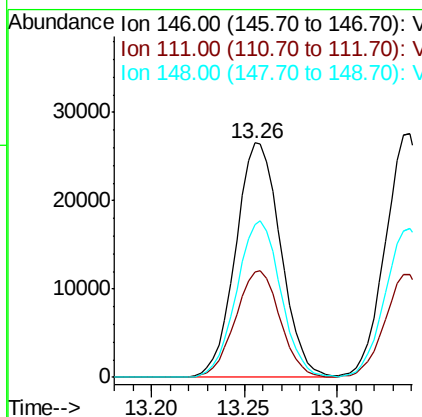
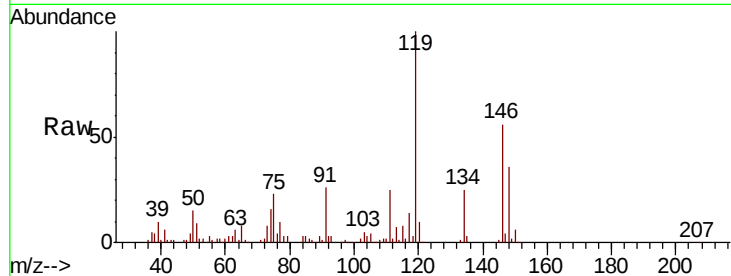




#83
 1,3-Dichlorobenzene
 Concen: 18.148 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

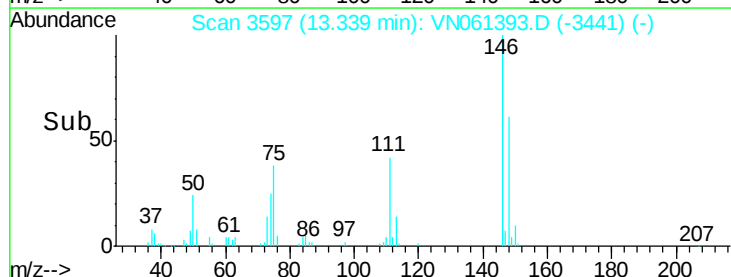
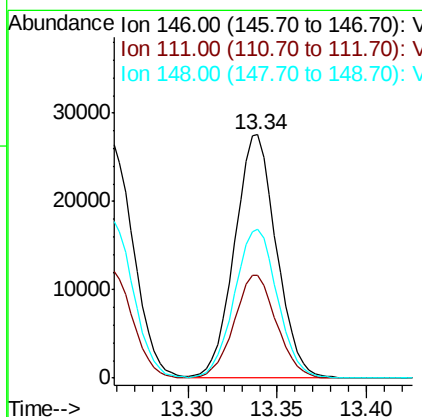
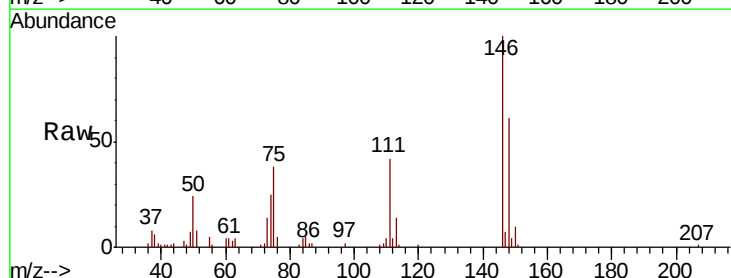
Instrument :
 MSVOA_N
 ClientSampleId :

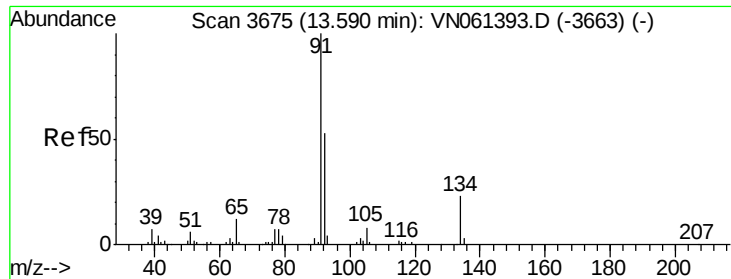
Tot Ion:146 Resp: 44956
 Ion Ratio Lower Upper
 146 100
 111 44.8 21.0 63.0
 148 65.1 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 18.227 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion:146 Resp: 45122
 Ion Ratio Lower Upper
 146 100
 111 42.8 19.8 59.4
 148 63.0 31.6 94.8

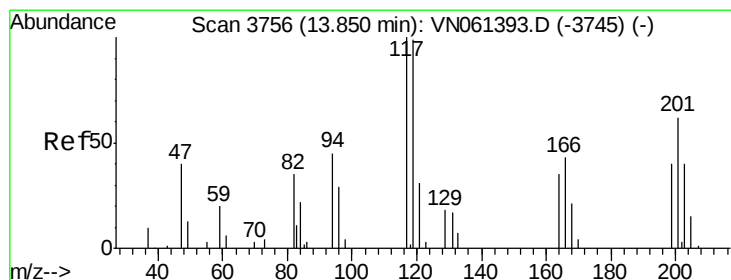
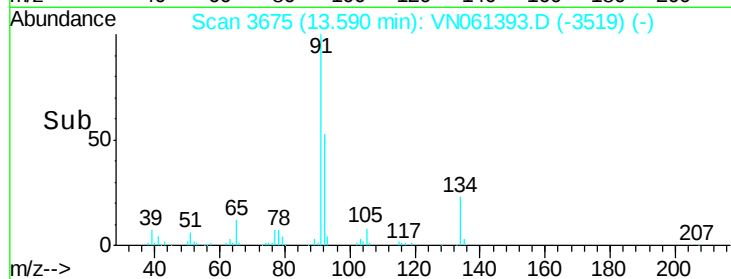
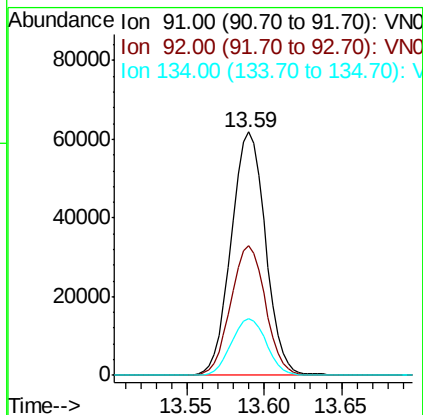
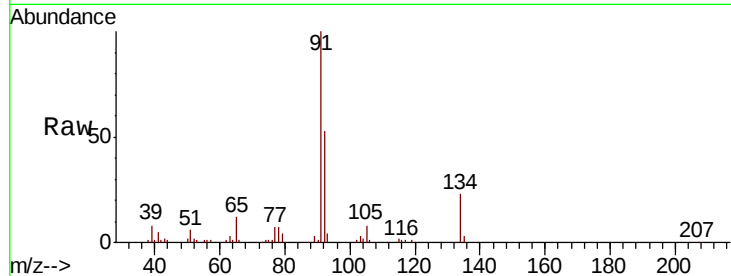




#85
n-Butylbenzene
Concen: 20.294 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

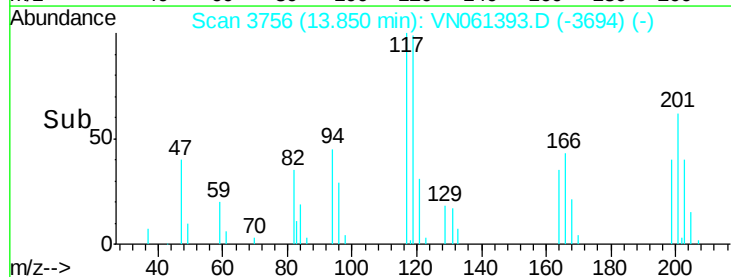
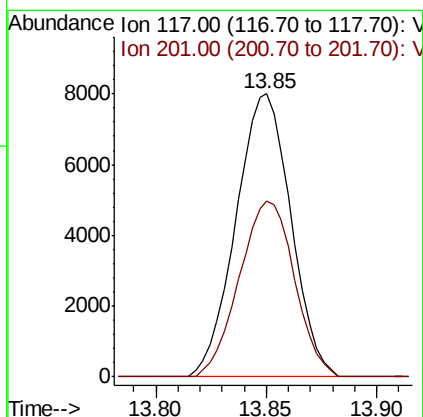
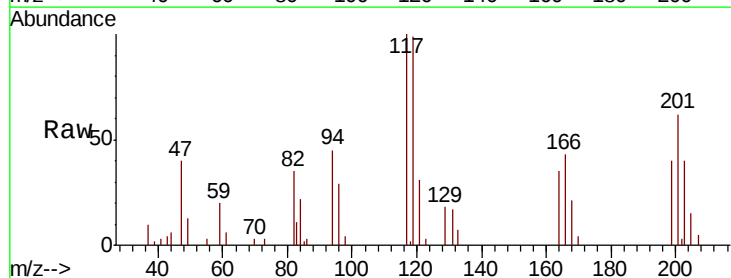
Instrument :
MSVOA_N
ClientSampled :

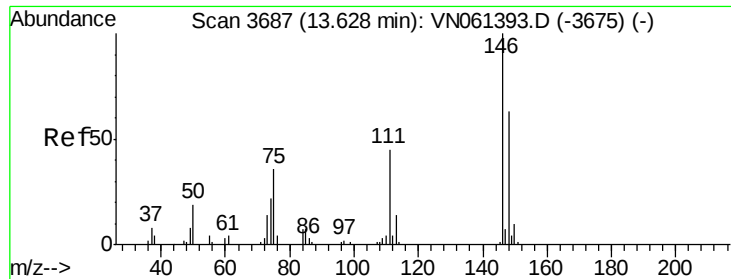
Tot Ion: 91 Resp: 95541
Ion Ratio Lower Upper
91 100
92 53.7 0.0 102.8
134 23.9 0.0 48.6



#86
Hexachloroethane
Concen: 15.711 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion: 117 Resp: 13865
Ion Ratio Lower Upper
117 100
201 62.3 38.7 116.1

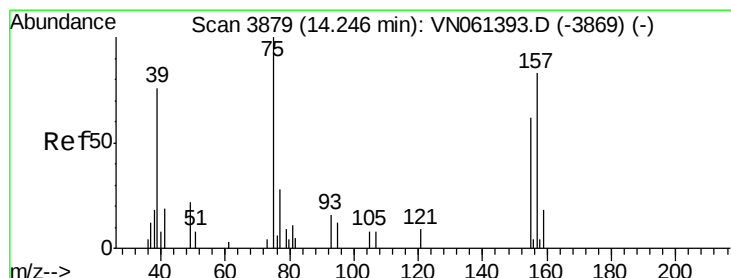
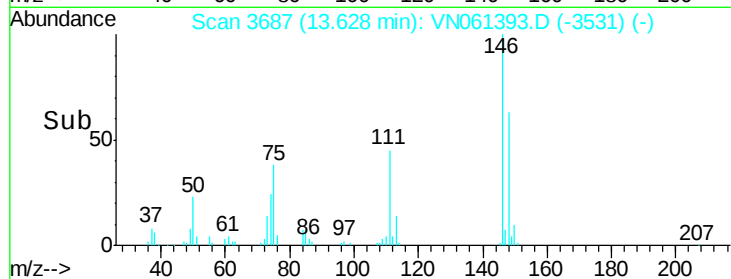
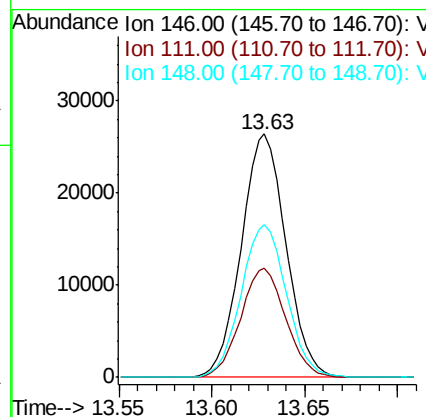
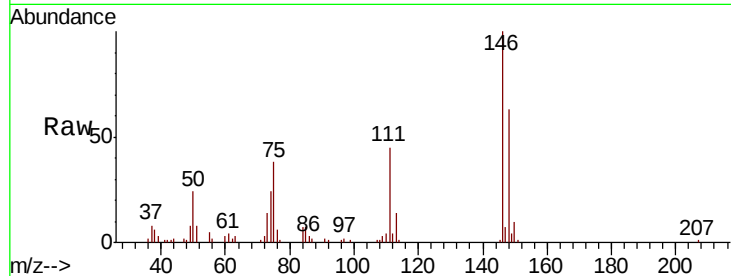




#87
 1,2-Dichlorobenzene
 Concen: 18.031 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

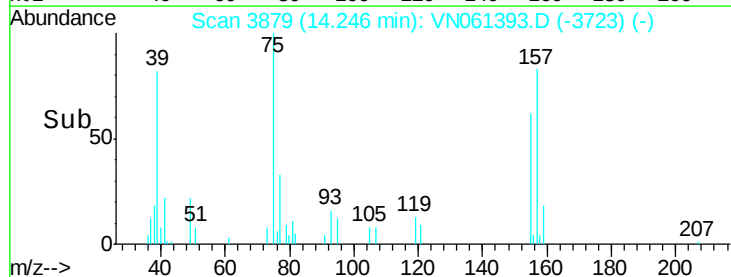
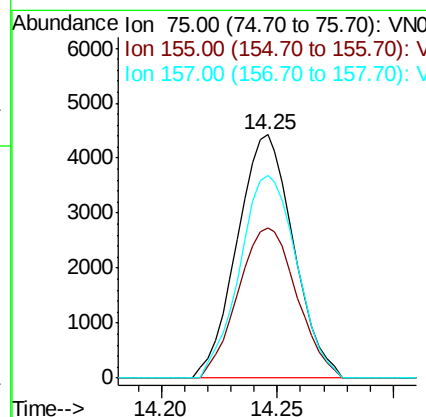
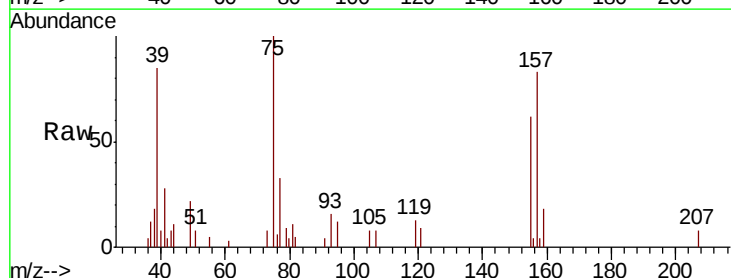
Instrument :
 MSVOA_N
 ClientSampleId :

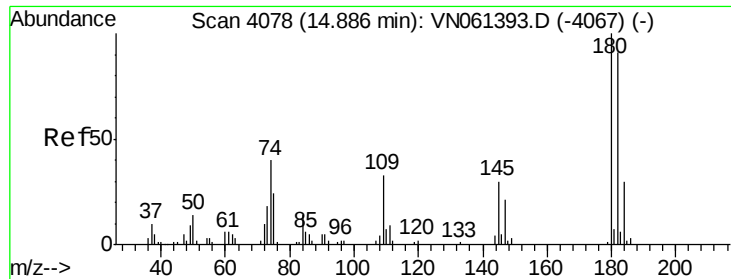
Tot Ion:146 Resp: 44081
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.8 65.4
 148 63.7 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.828 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion: 75 Resp: 7479
 Ion Ratio Lower Upper
 75 100
 155 64.3 58.3 87.5
 157 84.3 75.0 112.6

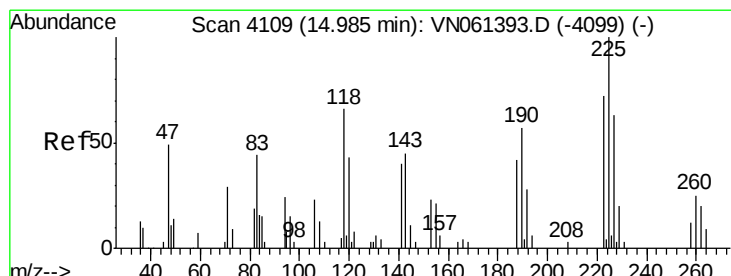
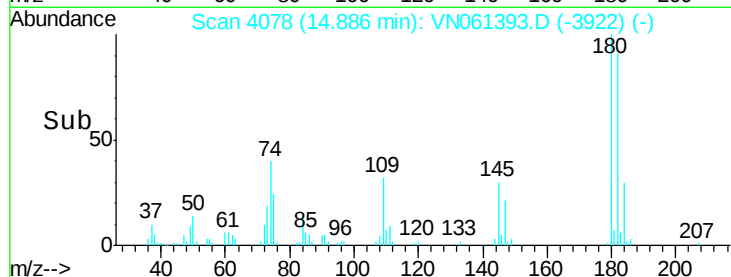
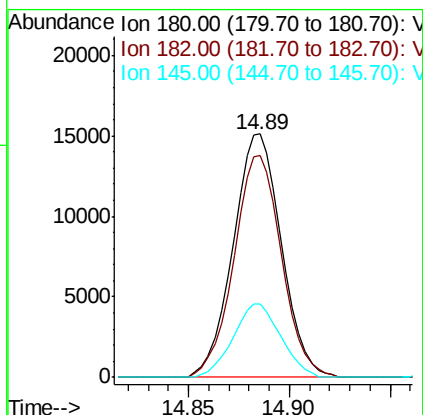
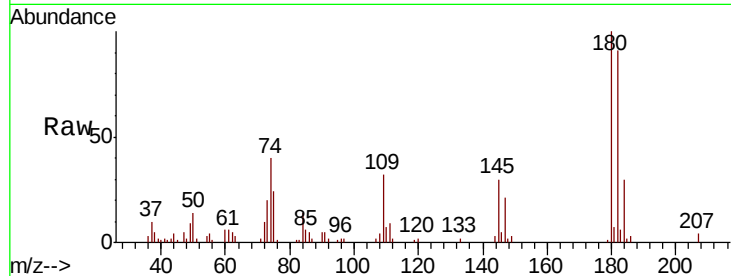




#89
 1,2,4-Trichlorobenzene
 Concen: 16.606 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

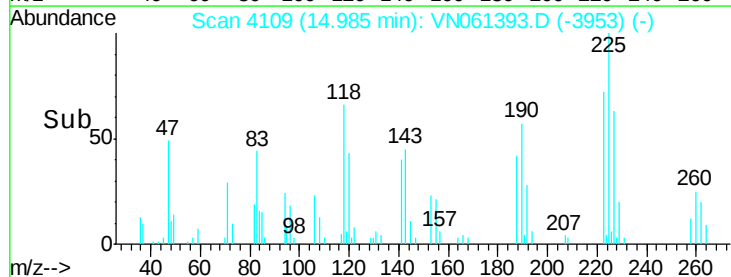
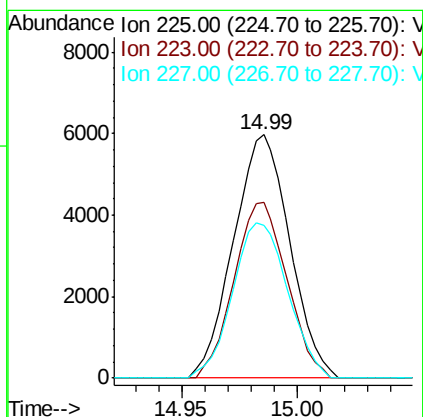
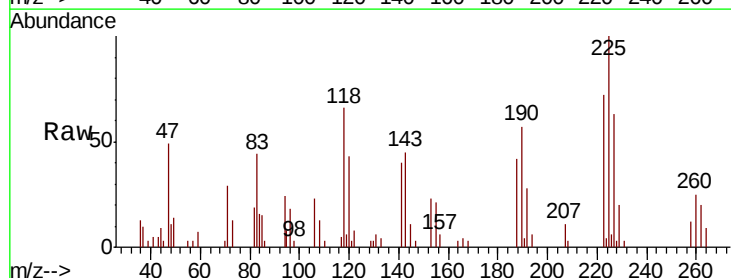
Instrument :
 MSVOA_N
 ClientSampleId :

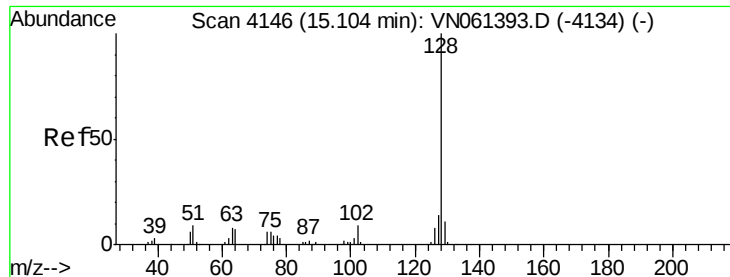
Tot Ion:180 Resp: 25303
 Ion Ratio Lower Upper
 180 100
 182 89.9 75.3 112.9
 145 29.8 24.8 37.2



#90
 Hexachlorobutadiene
 Concen: 13.361 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061393.D
 Acq: 14 May 2020 14:37

Tgt Ion:225 Resp: 10092
 Ion Ratio Lower Upper
 225 100
 223 67.7 0.0 126.2
 227 62.5 0.0 127.0

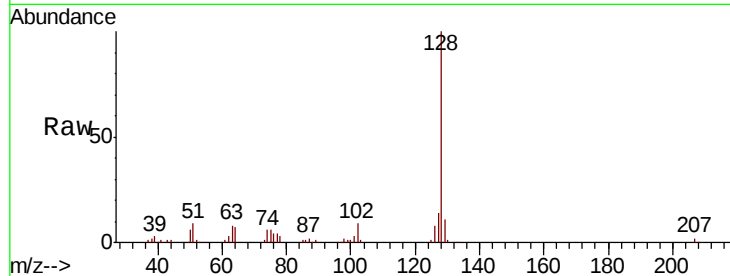




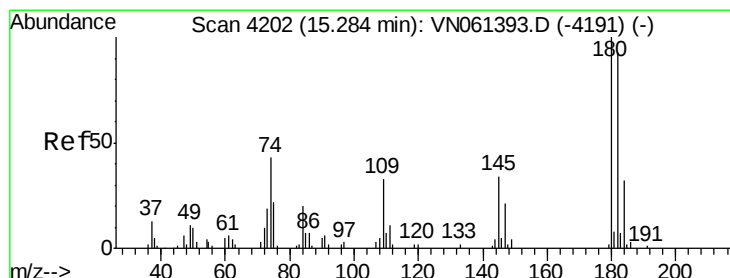
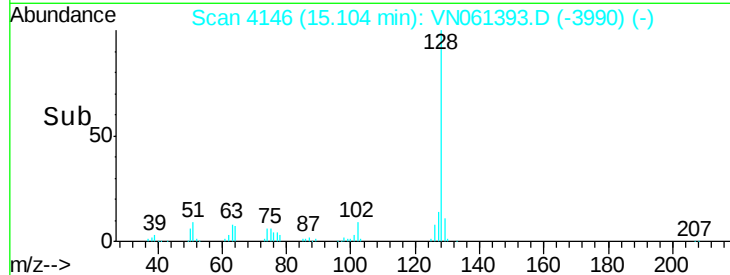
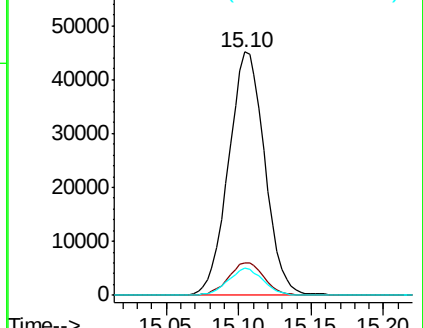
#91
Naphthalene
Concen: 17.234 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 78000
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 10.7 8.6 13.0

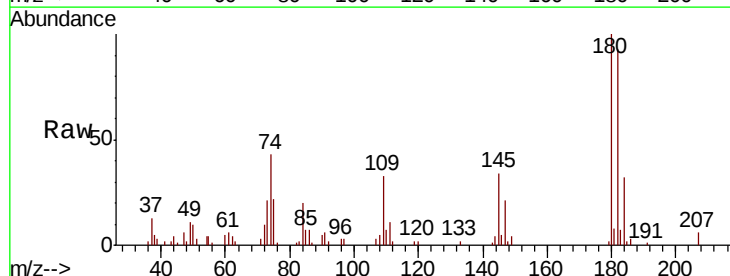


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 16.474 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061393.D
Acq: 14 May 2020 14:37

Tgt Ion:180 Resp: 24365
Ion Ratio Lower Upper
180 100
182 94.2 0.0 193.4
145 34.7 0.0 65.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

