

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061395.D
 Acq On : 14 May 2020 15:23
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 14 15:43:27 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	21652	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	124863	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	115734	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	55765	29.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.97%
60) 4-Bromofluorobenzene	12.37	95	61083	30.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.60%
63) Toluene-d8	10.06	98	159093	29.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	99616	89.446	ug/l 100
3) Chloromethane	2.03	50	169176	104.881	ug/l 100
4) Vinyl Chloride	2.16	62	226376	127.377	ug/l 98
5) Bromomethane	2.54	94	113464	109.570	ug/l 100
6) Chloroethane	2.67	64	148348	129.345	ug/l 97
7) Trichlorofluoromethane	2.98	101	287105	136.258	ug/l 100
8) Diethyl Ether	3.37	74	79517	104.202	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	107319	94.217	ug/l 93
10) 1,1-Dichloroethene	3.70	96	112456	99.741	ug/l 100
11) Methyl Iodide	3.91	142	126431	84.221	ug/l 99
12) Methyl Acetate	4.27	43	137214	79.362	ug/l 98
13) Acrolein	3.56	56	110223	533.071	ug/l 100
14) Acrylonitrile	4.93	53	324858	459.381	ug/l 98
15) Acetone	3.77	58	75421	371.663	ug/l 91
16) Carbon Disulfide	4.01	76	286782	85.915	ug/l 100
17) Allyl chloride	4.28	41	226813	100.120	ug/l 100
18) Methylene Chloride	4.50	84	135330	99.790	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	136427	109.819	ug/l 92
20) Diisopropyl ether	5.90	45	531578	111.917	ug/l 93
21) 1,1-Dichloroethane	5.80	63	280087	108.010	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	160474	107.866	ug/l 98
23) tert-Butyl Alcohol	4.73	59	97484	350.445	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	461069	107.385	ug/l 98
25) Chloroform	7.33	83	272128	106.180	ug/l 96
26) Cyclohexane	7.61	56	262670	112.848	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	216221	108.060	ug/l 99
30) 2-Butanone	6.78	43	452420	419.124	ug/l 100
31) 2,2-Dichloropropane	6.78	77	252374	106.770	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	244133	106.997	ug/l 99
33) Carbon Tetrachloride	7.73	117	195044	101.452	ug/l 97
34) Benzene	8.00	78	619800	106.096	ug/l # 92
35) Methacrylonitrile	7.13	41	89349	88.268	ug/l 89
36) 1,2-Dichloroethane	8.09	62	233288	104.470	ug/l 99
37) Trichloroethene	8.80	130	154646	108.265	ug/l 97
38) Methylcyclohexane	9.05	83	259913	110.915	ug/l 98
39) 1,2-Dichloropropane	9.09	63	166710	104.336	ug/l 97
40) Dibromomethane	9.18	93	104761	105.065	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	227492	109.671	ug/l	99
42) Vinyl Acetate	5.84	43	2183235	553.875	ug/l	99
43) Ethyl Acetate	6.88	43	201394	93.287	ug/l	94
44) Isopropyl Acetate	8.12	43	376305	104.556	ug/l	100
45) 1,4-Dioxane	9.16	88	29126	1178.038	ug/l	94
46) Methyl methacrylate	9.17	41	174698	104.959	ug/l	95
47) n-amyl Acetate	12.04	43	348712	109.143	ug/l	95
48) t-1,3-Dichloropropene	10.35	75	272474	112.472	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	283145	111.685	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	145292	102.619	ug/l	99
51) Ethyl methacrylate	10.40	69	254808	109.824	ug/l	96
52) 1,3-Dichloropropane	10.68	76	264596	103.516	ug/l	99
53) Dibromochloromethane	10.87	129	164557	107.462	ug/l	99
54) 1,2-Dibromoethane	10.98	107	150775	102.418	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	567607	512.503	ug/l	99
56) Bromoform	12.10	173	106865	102.200	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	1040056	500.158	ug/l	100
59) 2-Hexanone	10.72	43	745377	462.682	ug/l	99
61) Tetrachloroethene	10.60	164	148173	116.844	ug/l	96
62) Toluene	10.12	91	679906	109.110	ug/l	98
64) Chlorobenzene	11.41	112	401804	106.248	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	149077	105.474	ug/l	98
66) Ethyl Benzene	11.48	91	781344	112.609	ug/l	100
67) m/p-Xylenes	11.60	106	587135	226.946	ug/l	100
68) o-Xylene	11.92	106	277332	110.471	ug/l	100
69) Styrene	11.94	104	494174	118.520	ug/l	98
70) Isopropylbenzene	12.22	105	758326	112.465	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	203621	92.521	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	297832	147.440	ug/l	65
73) Bromobenzene	12.50	156	159490	100.328	ug/l	94
74) n-propylbenzene	12.57	91	902334	114.289	ug/l	100
75) 2-Chlorotoluene	12.65	91	518032	109.335	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	638749	110.933	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	84962	108.787	ug/l	97
78) 4-Chlorotoluene	12.75	91	548576	112.101	ug/l	99
79) tert-butylbenzene	12.97	119	530118	108.214	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	640103	112.104	ug/l	100
81) sec-Butylbenzene	13.15	105	736972	111.399	ug/l	100
82) p-Isopropyltoluene	13.26	119	670389	112.787	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	302216	104.736	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	299688	103.932	ug/l	98
85) n-Butylbenzene	13.59	91	620334	113.125	ug/l	98
86) Hexachloroethane	13.85	117	93219	90.683	ug/l	83
87) 1,2-Dichlorobenzene	13.63	146	287027	100.793	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	43545	89.112	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	170393	96.007	ug/l	99
90) Hexachlorobutadiene	14.99	225	66213	75.257	ug/l	98
91) Naphthalene	15.10	128	534393	101.365	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	163094	94.669	ug/l	97

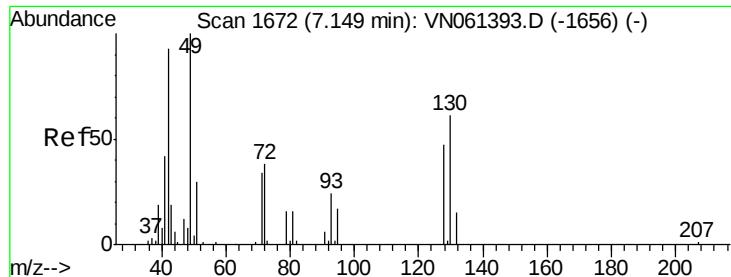
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :

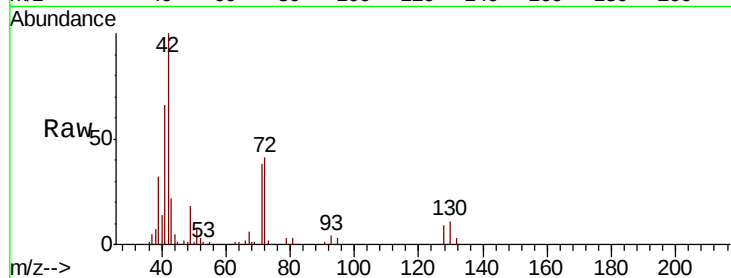
Tot Ion:128 Resp: 21652

Ion Ratio Lower Upper

128 100

49 212.2 0.0 453.5

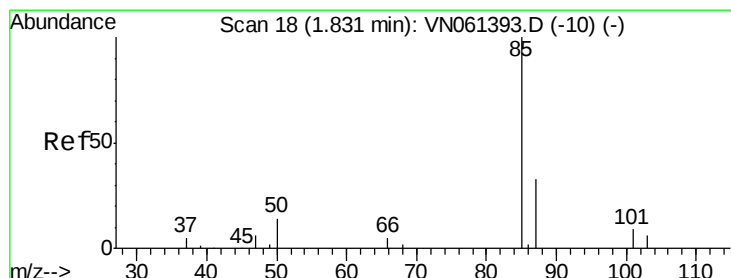
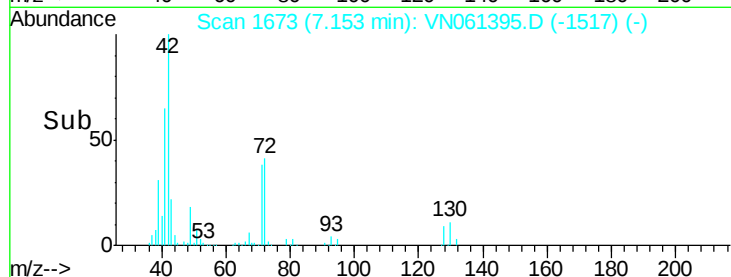
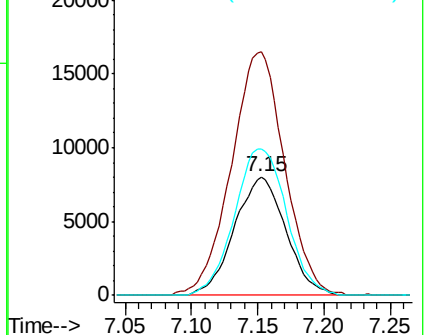
130 125.6 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 89.446 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061395.D

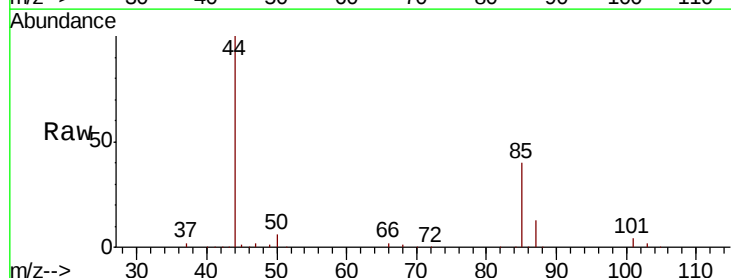
Acq: 14 May 2020 15:23

Tgt Ion: 85 Resp: 99616

Ion Ratio Lower Upper

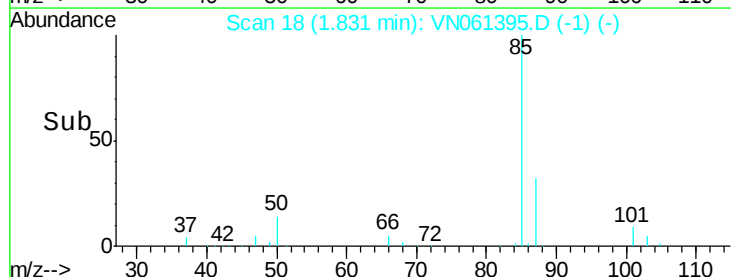
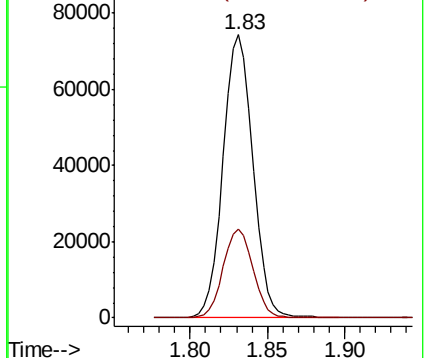
85 100

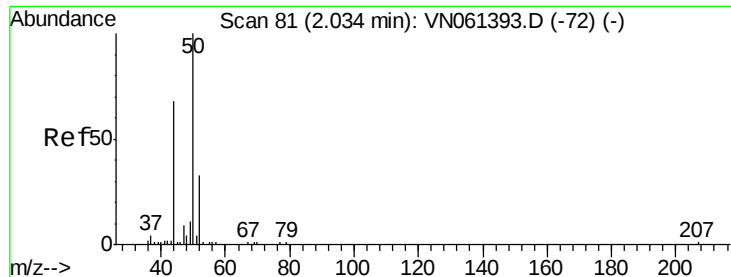
87 31.5 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 104.881 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

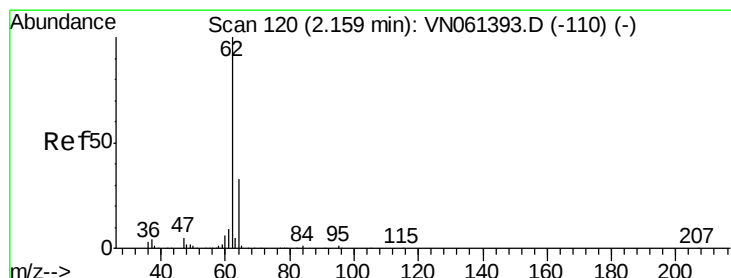
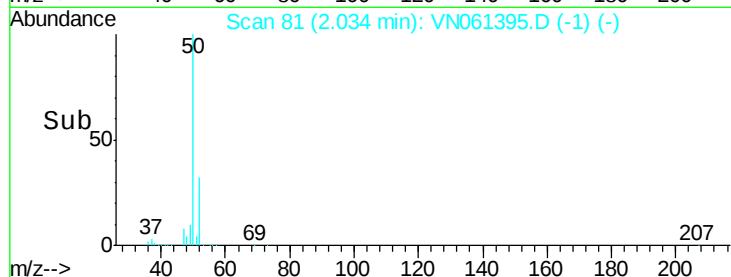
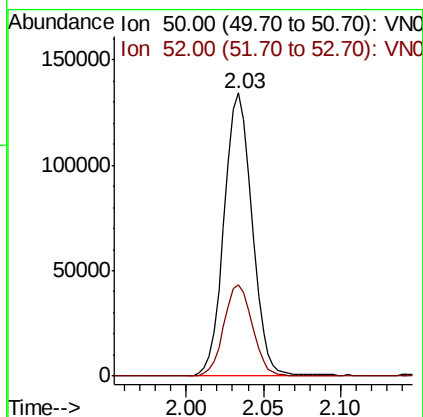
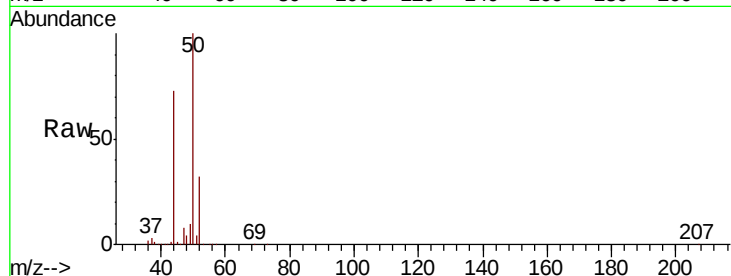
ClientSampled :

Tot Ion: 50 Resp: 169176

Ion Ratio Lower Upper

50 100

52 32.5 25.8 38.8



#4

Vinyl Chloride

Concen: 127.377 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061395.D

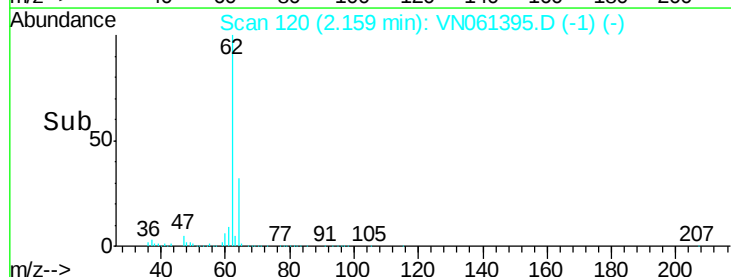
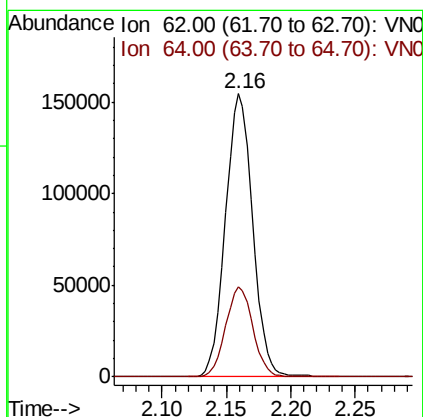
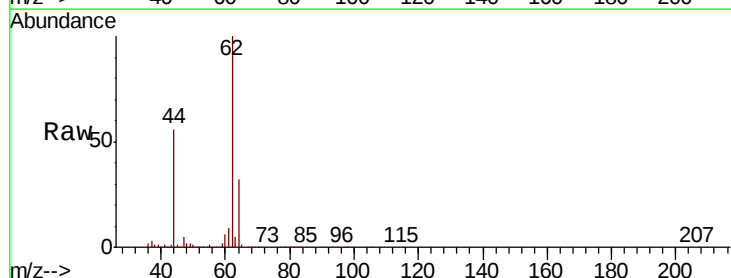
Acq: 14 May 2020 15:23

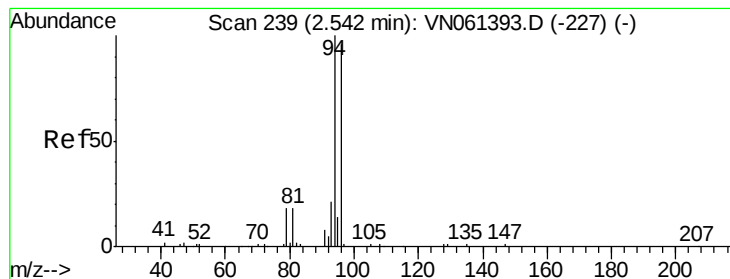
Tgt Ion: 62 Resp: 226376

Ion Ratio Lower Upper

62 100

64 31.6 26.1 39.1





#5

Bromomethane

Concen: 109.570 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

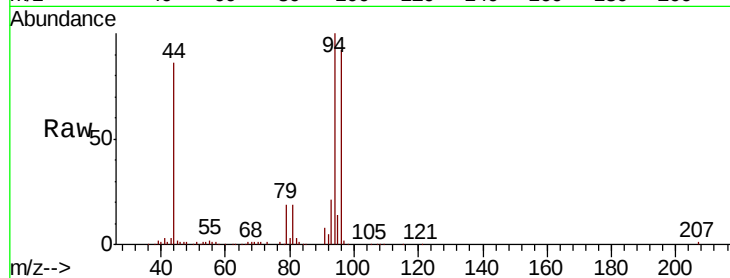
ClientSampled :

Tot Ion: 94 Resp: 113464

Ion Ratio Lower Upper

94 100

96 92.0 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN061393.D

Ion 96.00 (95.70 to 96.70): VN061393.D

2.54

60000

50000

40000

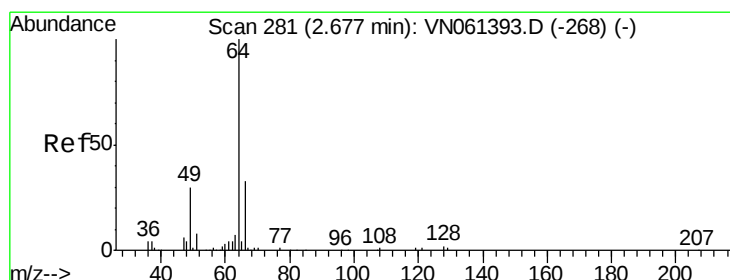
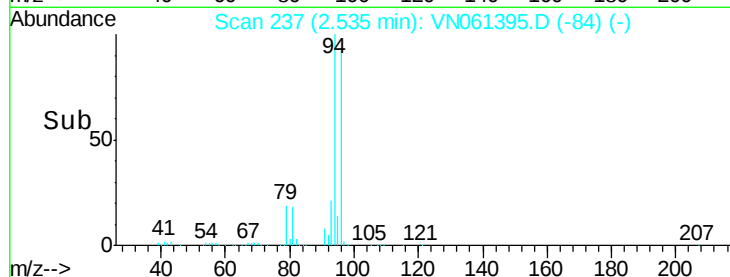
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 129.345 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061395.D

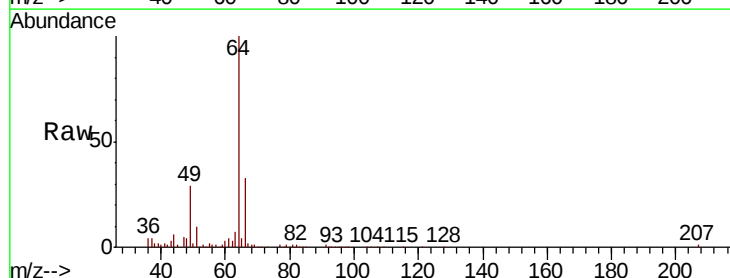
Acq: 14 May 2020 15:23

Tgt Ion: 64 Resp: 148348

Ion Ratio Lower Upper

64 100

66 32.6 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN061393.D

Ion 66.00 (65.70 to 66.70): VN061393.D

2.67

80000

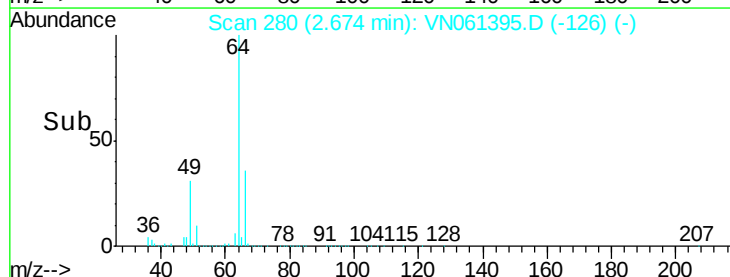
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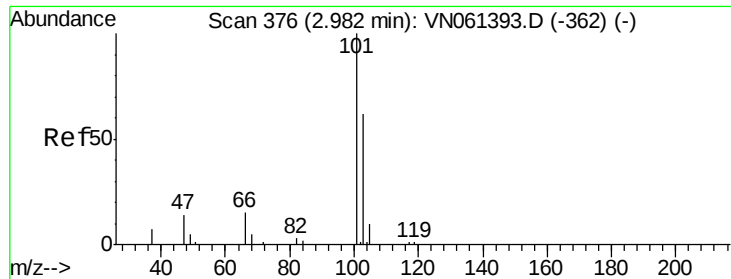
40000

20000

0

Time-->



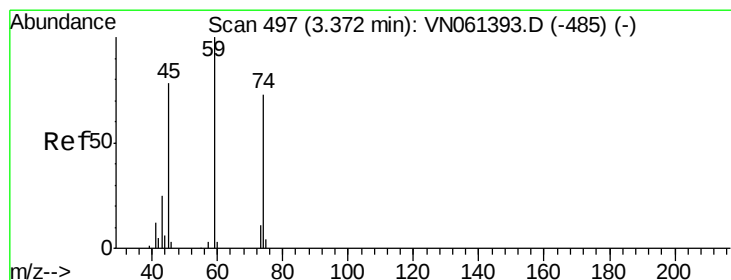
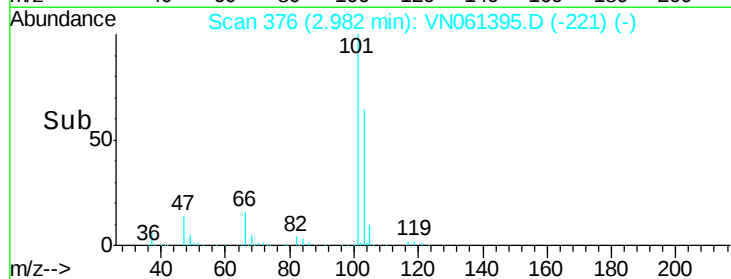
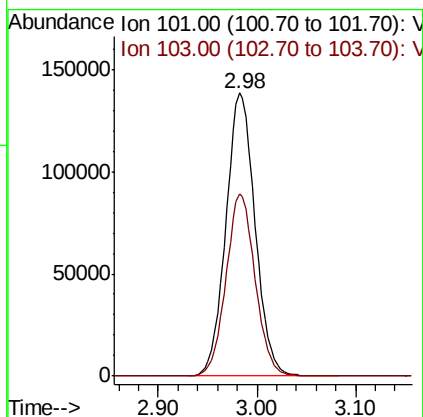
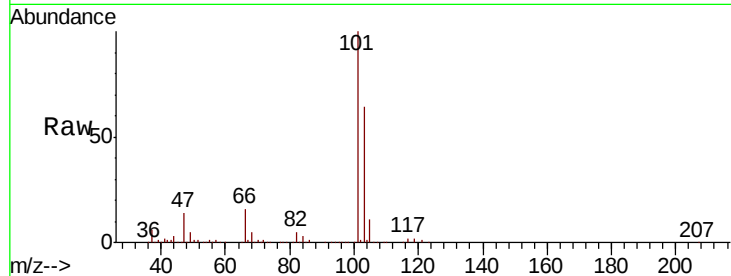


#7

Trichlorofluoromethane
 Concen: 136.258 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampled :

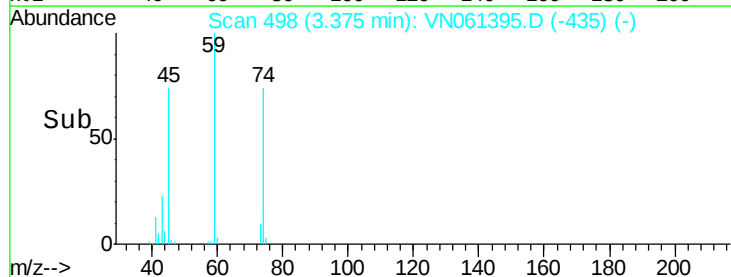
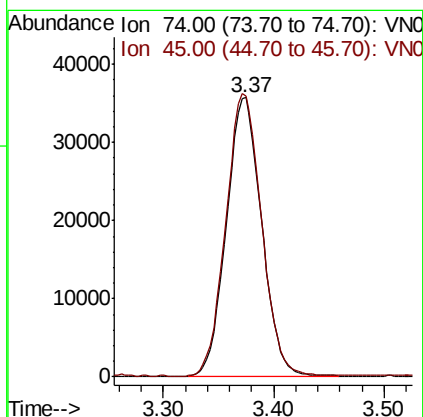
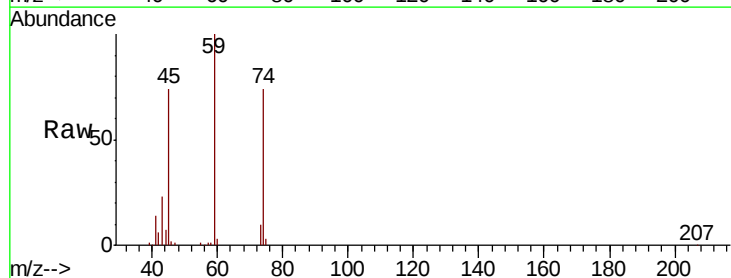
Tot Ion:101 Resp: 287105
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.5 77.3

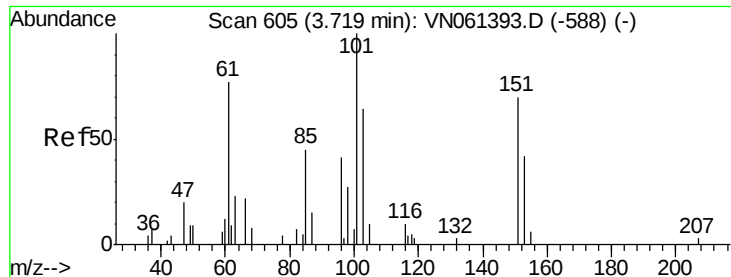


#8

Diethyl Ether
 Concen: 104.202 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion: 74 Resp: 79517
 Ion Ratio Lower Upper
 74 100
 45 103.0 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.217 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

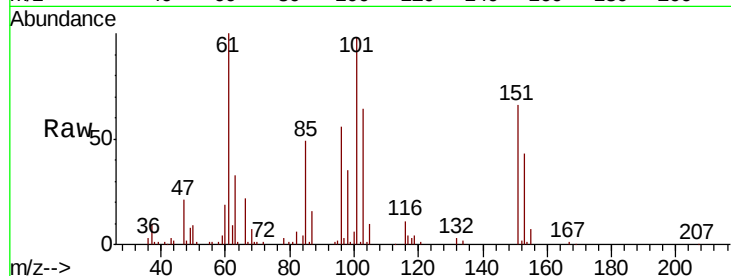
Tot Ion:101 Resp: 107319

Ion Ratio Lower Upper

101 100

85 48.8 0.0 93.8

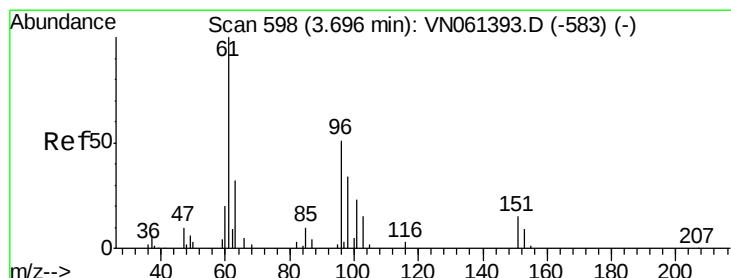
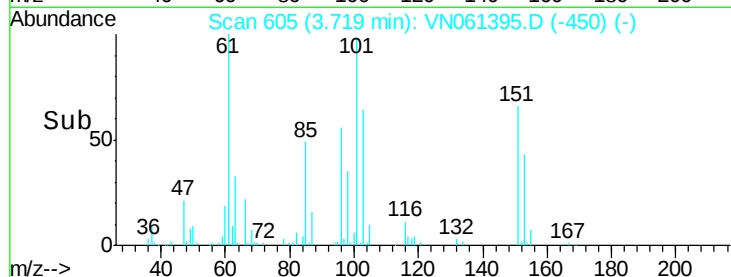
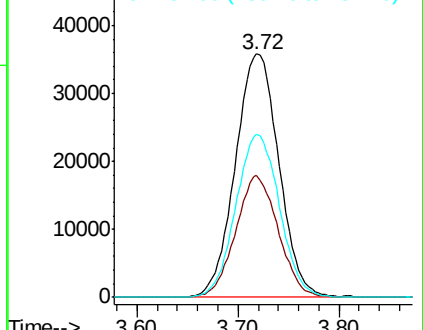
151 67.3 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): VN061395.D (-450) (-)

Ion 85.00 (84.70 to 85.70): VN061395.D (-450) (-)

Ion 151.00 (150.70 to 151.70): VN061395.D (-450) (-)



#10

1,1-Dichloroethene

Concen: 99.741 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

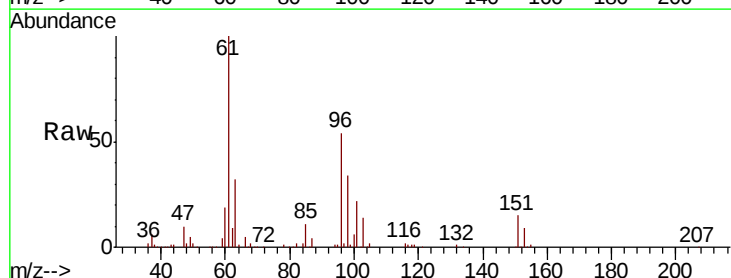
Tgt Ion: 96 Resp: 112456

Ion Ratio Lower Upper

96 100

61 185.8 148.5 222.7

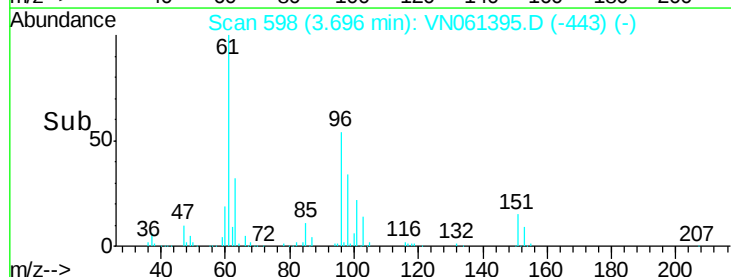
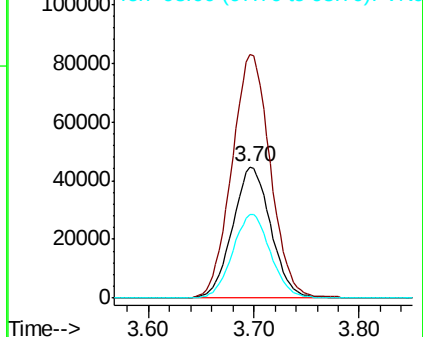
98 63.6 51.0 76.6

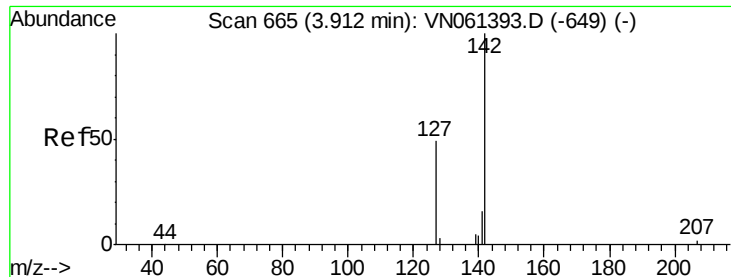


Abundance Ion 96.00 (95.70 to 96.70): VN061395.D (-443) (-)

Ion 61.00 (60.70 to 61.70): VN061395.D (-443) (-)

Ion 98.00 (97.70 to 98.70): VN061395.D (-443) (-)

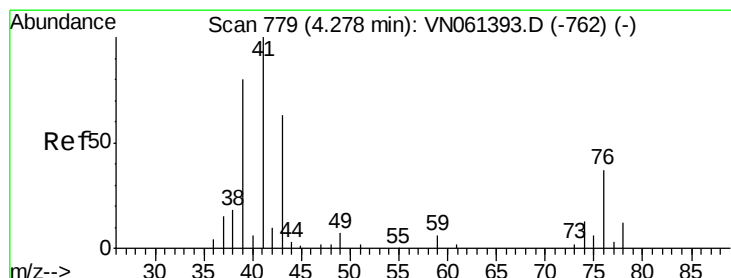
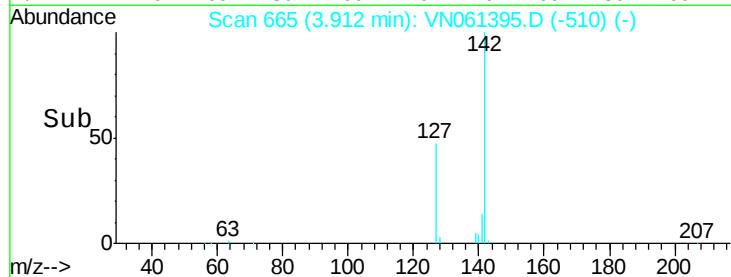
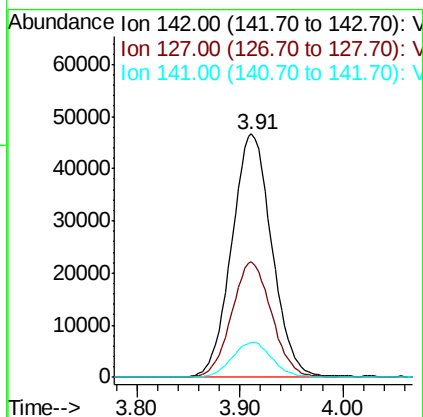
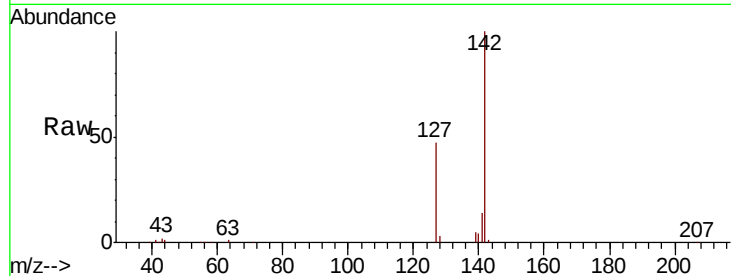




#11
Methyl Iodide
Concen: 84.221 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

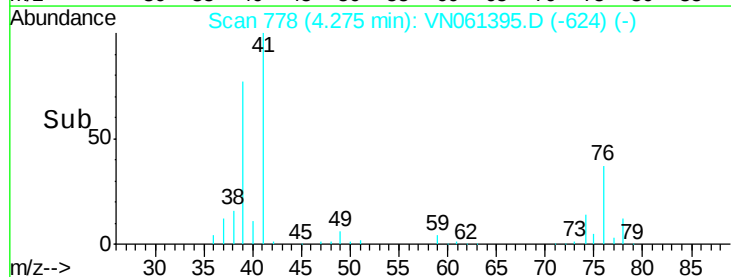
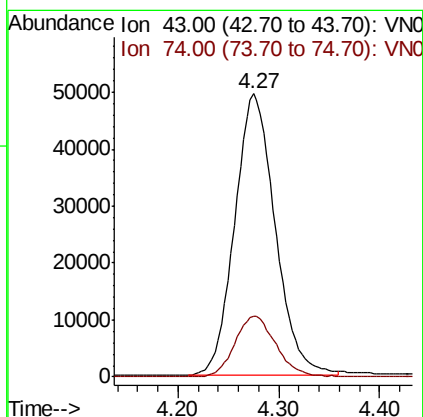
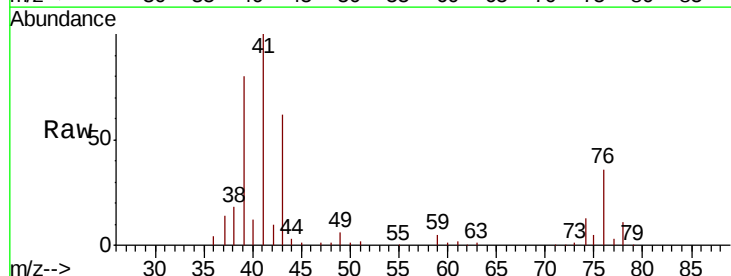
Instrument :
MSVOA_N
ClientSampled :

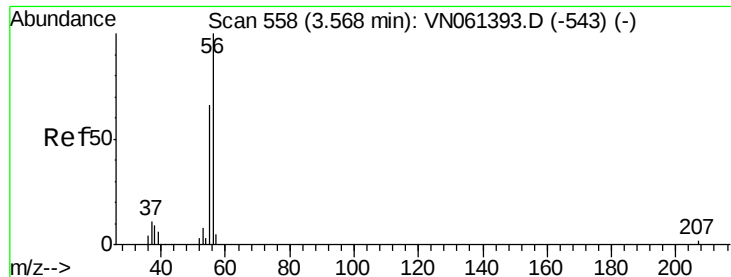
Tot Ion:142 Resp: 126431
Ion Ratio Lower Upper
142 100
127 47.4 23.5 70.6
141 14.4 7.4 22.2



#12
Methyl Acetate
Concen: 79.362 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion: 43 Resp: 137214
Ion Ratio Lower Upper
43 100
74 21.6 18.1 27.1





#13

Acrolein

Concen: 533.071 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

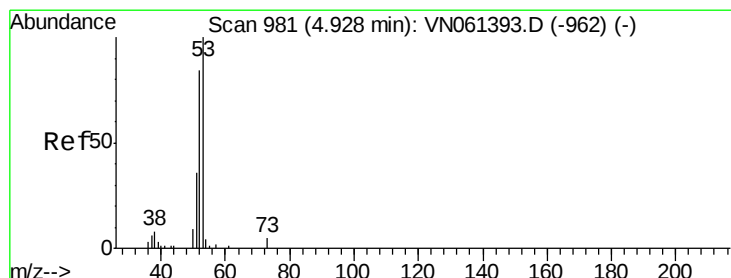
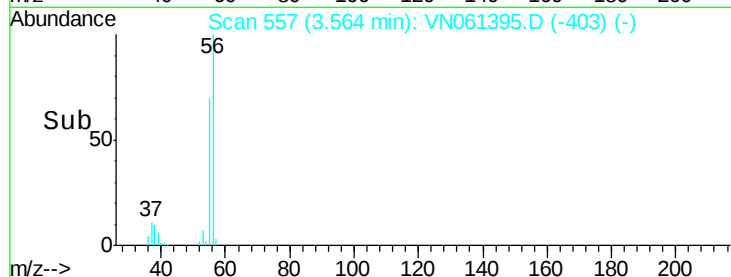
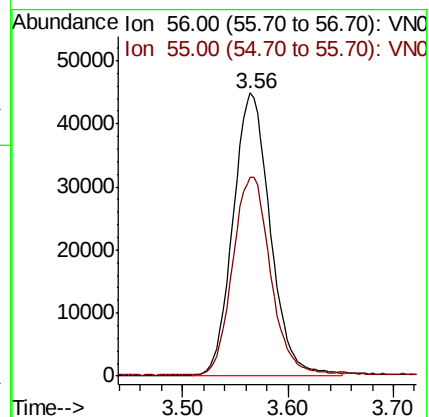
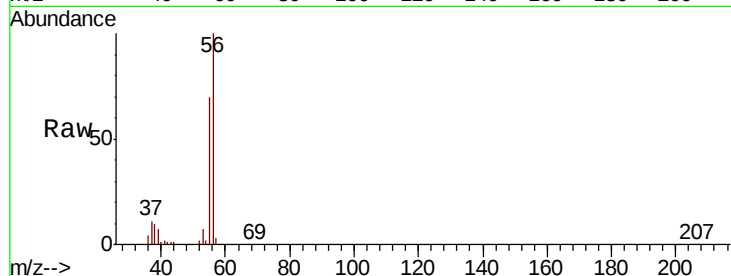
ClientSampled :

Tot Ion: 56 Resp: 110223

Ion Ratio Lower Upper

56 100

55 70.1 55.9 83.9



#14

Acrylonitrile

Concen: 459.381 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

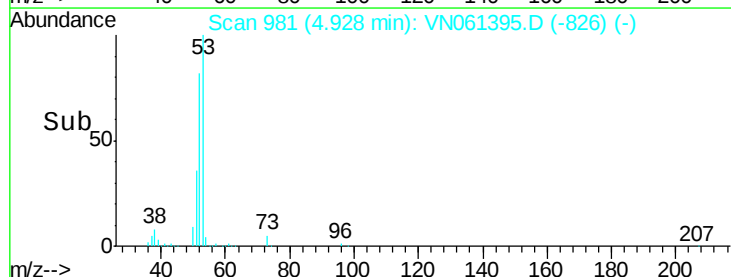
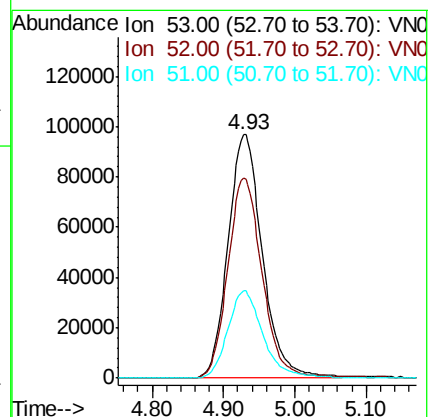
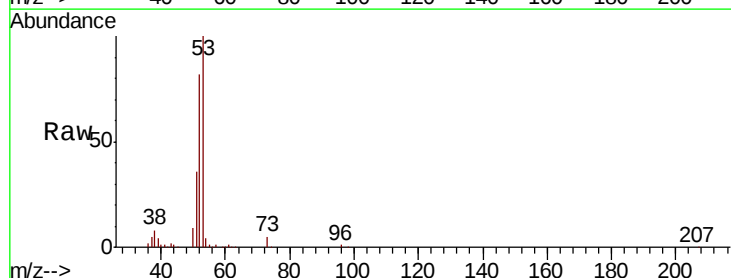
Tgt Ion: 53 Resp: 324858

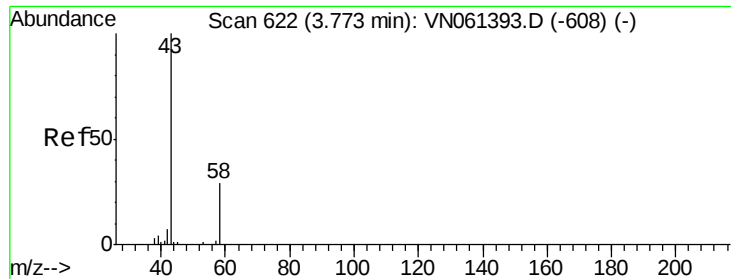
Ion Ratio Lower Upper

53 100

52 82.0 42.2 126.6

51 36.8 18.8 56.4





#15

Acetone

Concen: 371.663 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

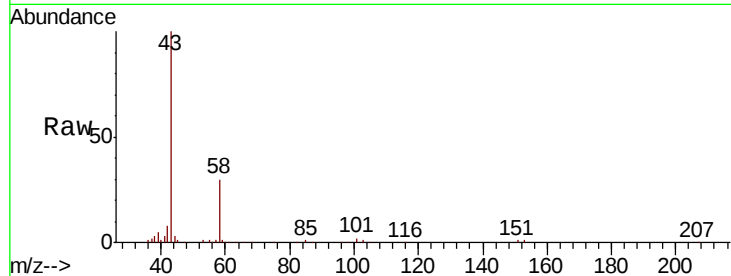
ClientSampled :

Tot Ion: 58 Resp: 75421

Ion Ratio Lower Upper

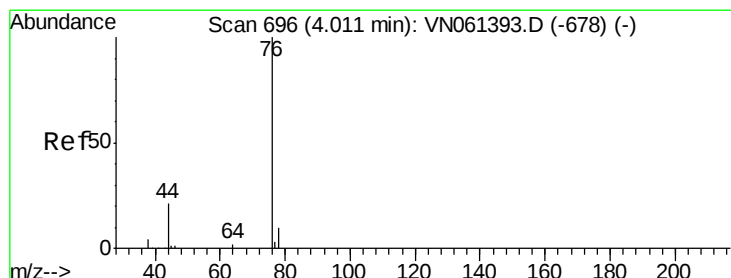
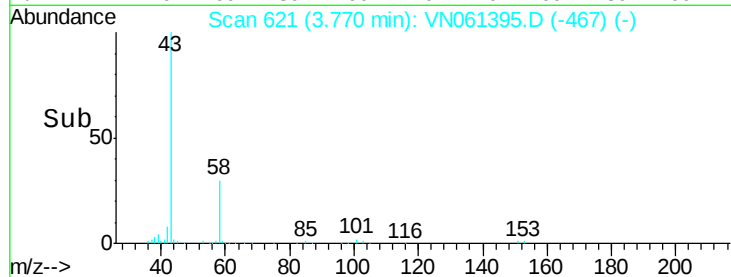
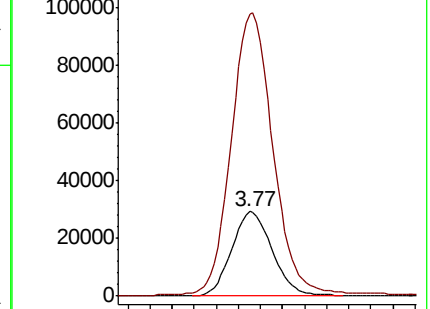
58 100

43 332.1 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 85.915 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.00 min

Lab File: VN061395.D

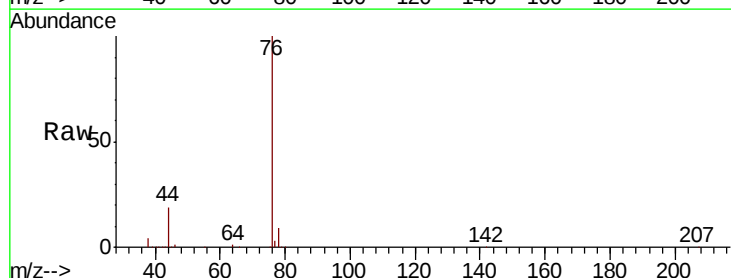
Acq: 14 May 2020 15:23

Tgt Ion: 76 Resp: 286782

Ion Ratio Lower Upper

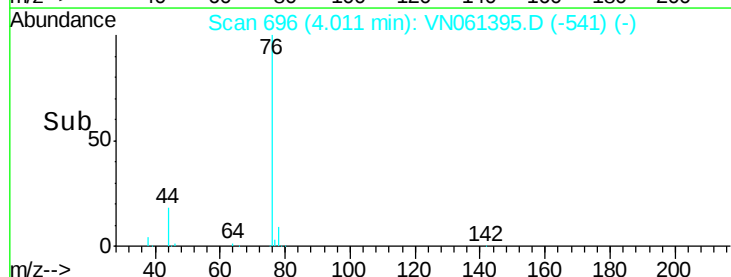
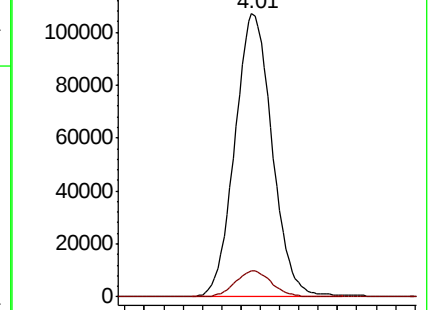
76 100

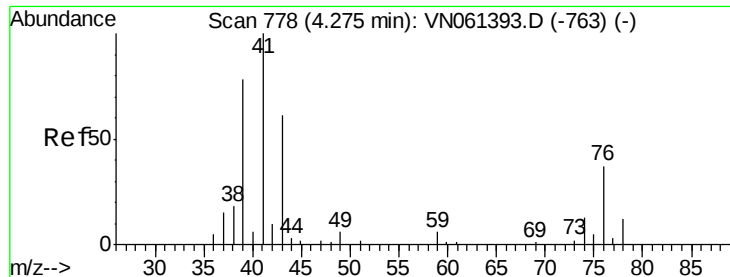
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

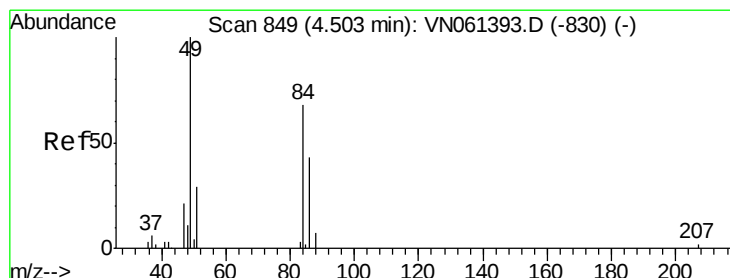
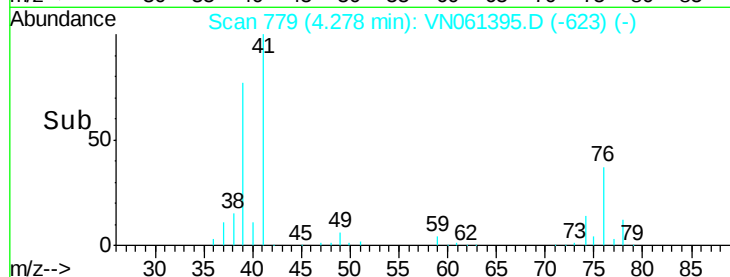
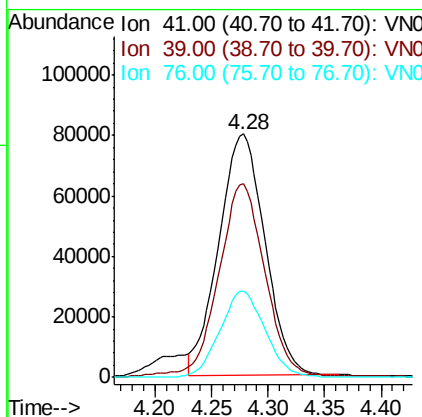
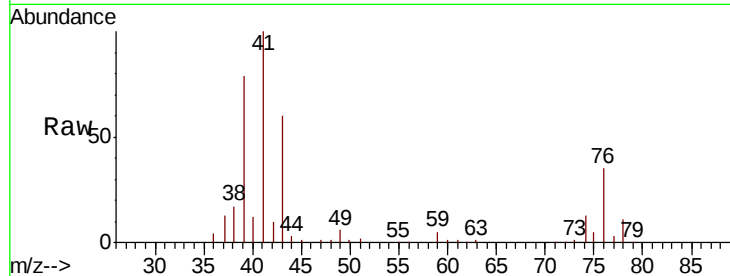




#17
Allvl chloride
Concen: 100.120 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

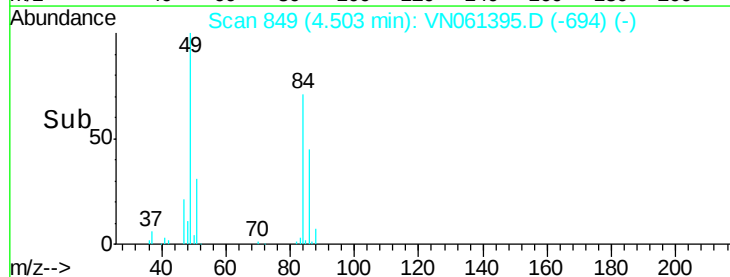
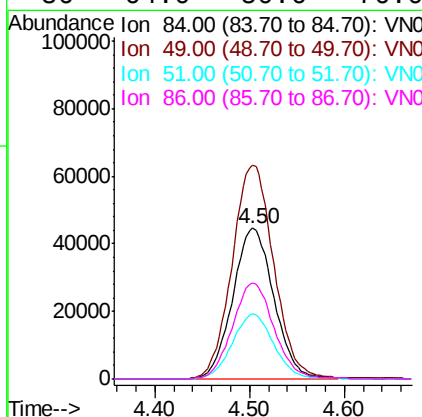
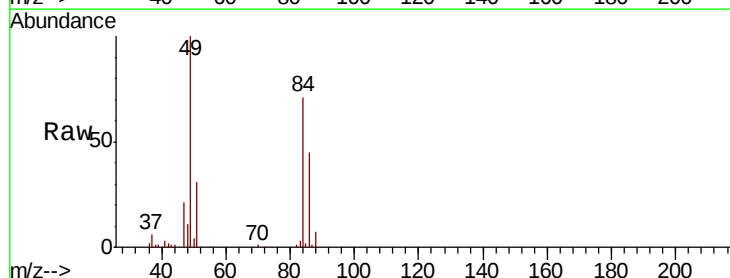
Instrument :
MSVOA_N
ClientSampleId :

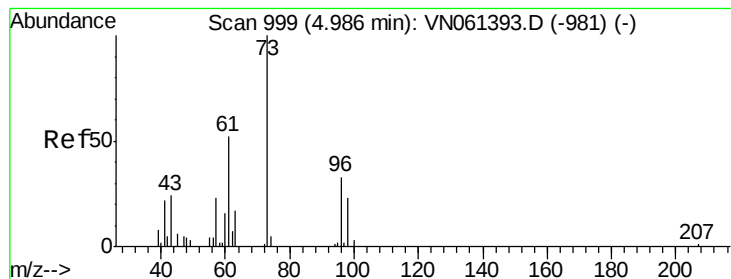
Tot Ion: 41 Resp: 226813
Ion Ratio Lower Upper
41 100
39 79.4 39.6 118.8
76 35.6 17.6 52.9



#18
Methylene Chloride
Concen: 99.790 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion: 84 Resp: 135330
Ion Ratio Lower Upper
84 100
49 141.2 106.6 160.0
51 43.2 32.4 48.6
86 64.0 50.6 76.0





#19

trans-1,2-Dichloroethene

Concen: 109.819 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

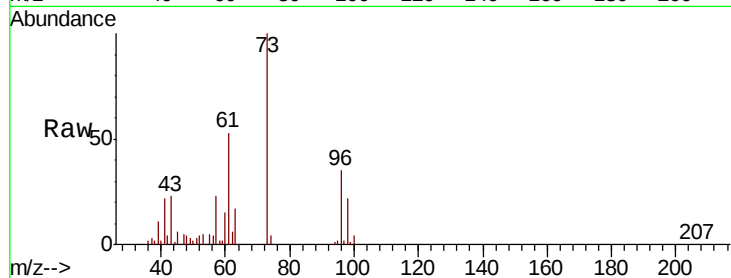
Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 136427

Ion	Ratio	Lower	Upper
96	100		
61	152.5	131.8	197.6
98	62.4	52.6	79.0

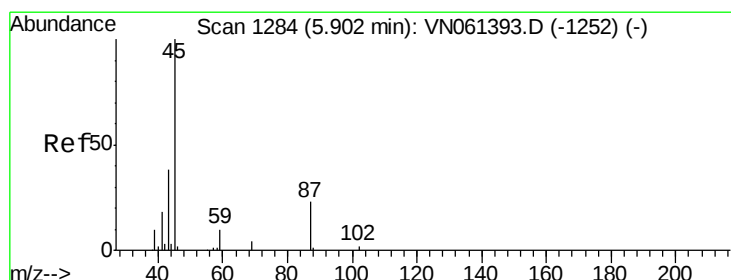
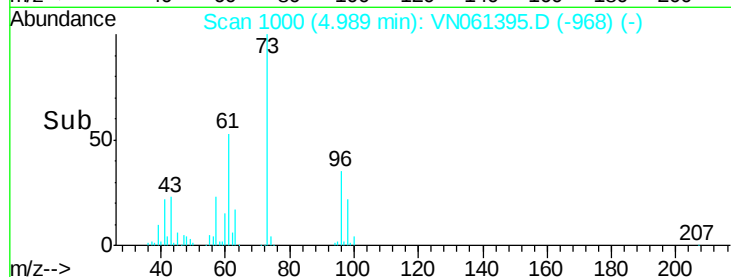
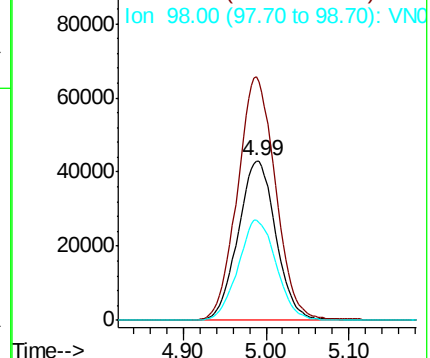


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 111.917 ug/l

RT: 5.90 min Scan# 1284

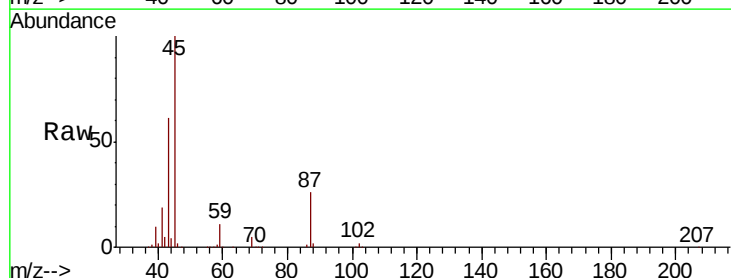
Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Tgt Ion: 45 Resp: 531578

Ion	Ratio	Lower	Upper
45	100		
43	60.3	54.7	82.1
87	25.7	21.5	32.3
59	11.0	8.7	13.1



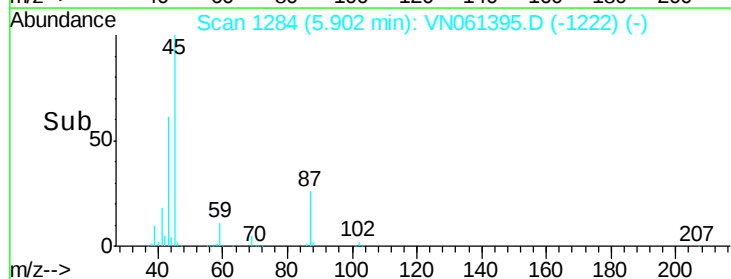
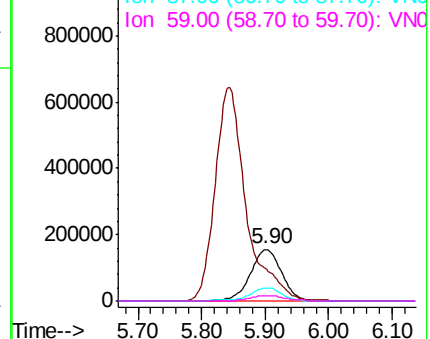
Abundance

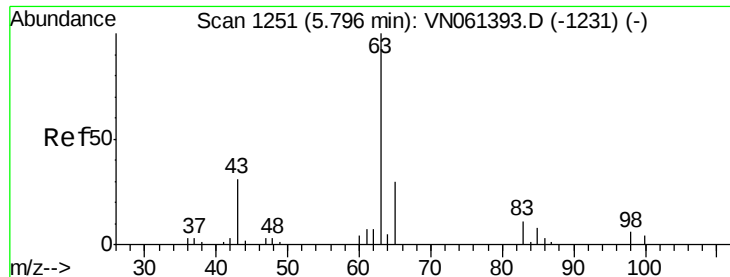
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

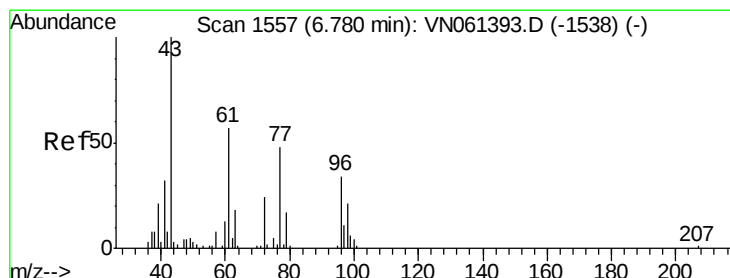
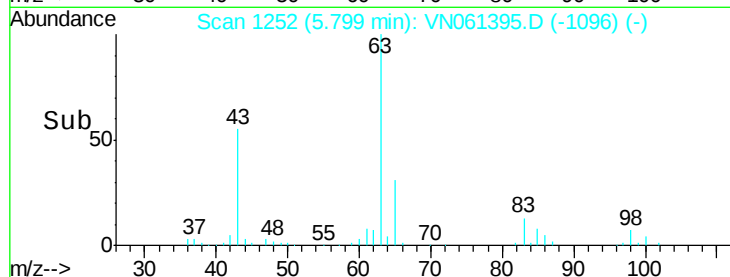
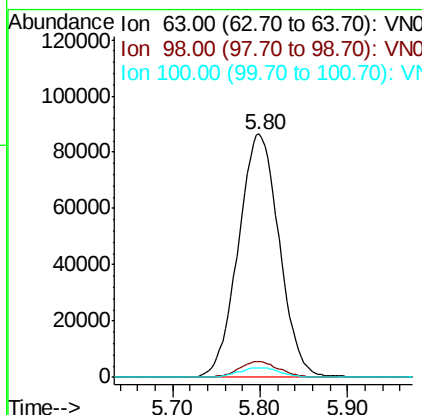
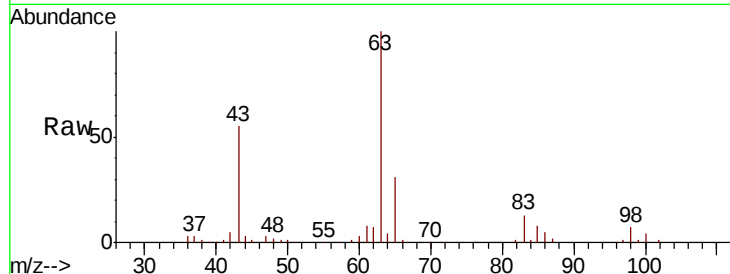




#21
 1,1-Dichloroethane
 Concen: 108.010 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

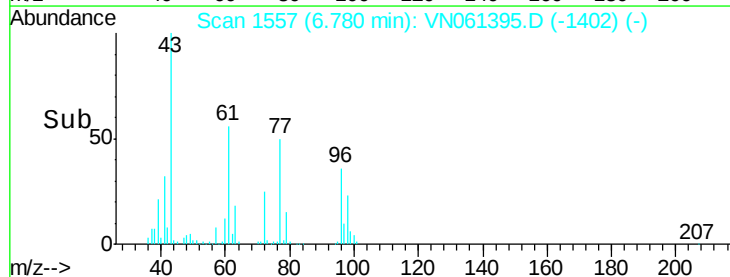
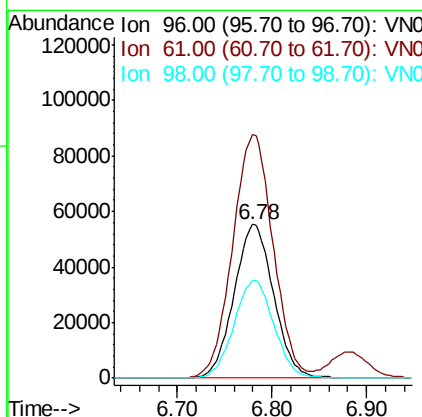
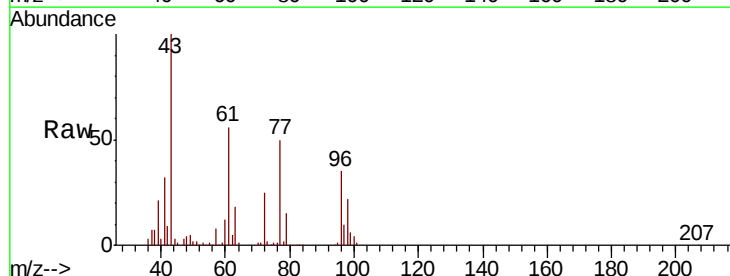
Instrument :
 MSVOA_N
 ClientSampled :

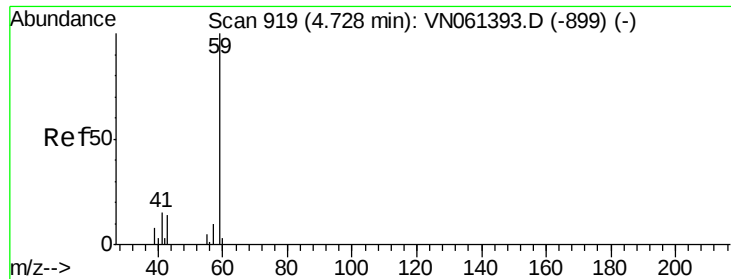
Tot Ion	63	Resp	280087
Ion Ratio	Lower	Upper	
63	100		
98	6.5	2.9	8.6
100	3.9	1.8	5.5



#22
 cis-1,2-Dichloroethene
 Concen: 107.866 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	96	Resp	160474
Ion Ratio	Lower	Upper	
96	100		
61	162.4	127.2	190.8
98	64.5	50.5	75.7



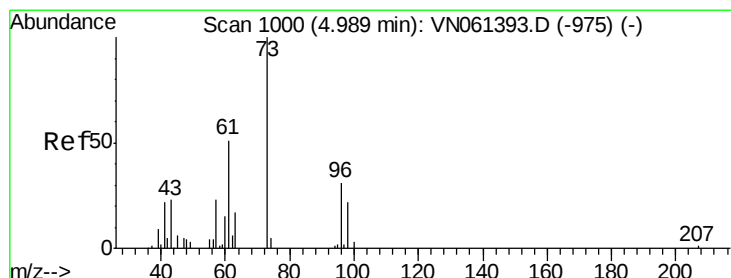
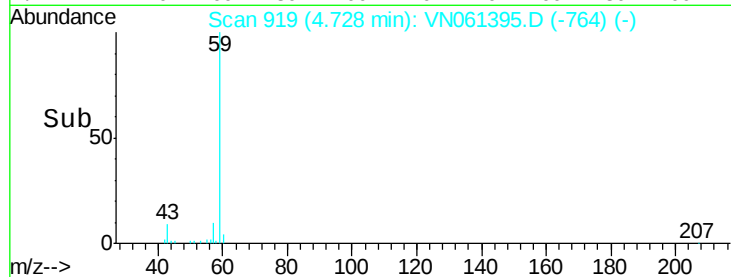
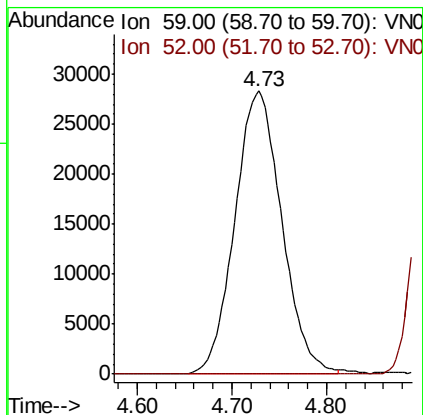
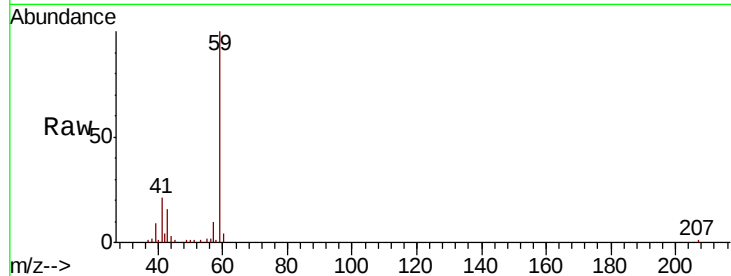


#23

tert-Butyl Alcohol
 Concen: 350.445 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :

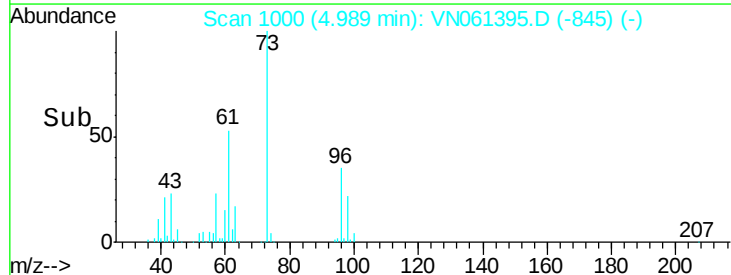
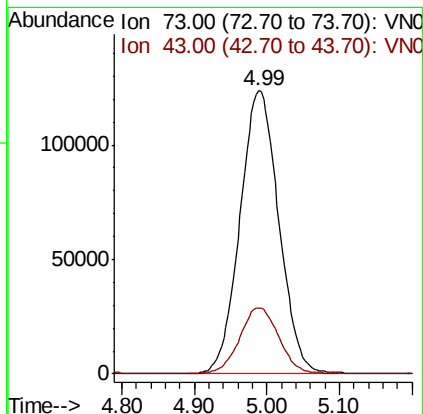
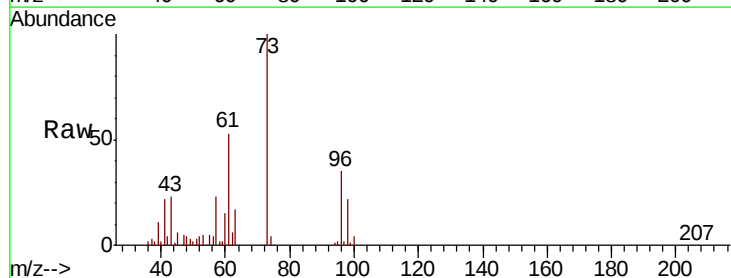
Tot Ion: 59 Resp: 97484
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

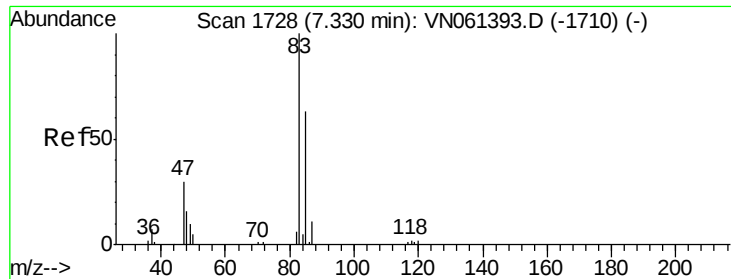


#24

Methyl tert-Butyl Ether
 Concen: 107.385 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion: 73 Resp: 461069
 Ion Ratio Lower Upper
 73 100
 43 23.1 17.9 26.9





#25

Chloroform

Concen: 106.180 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

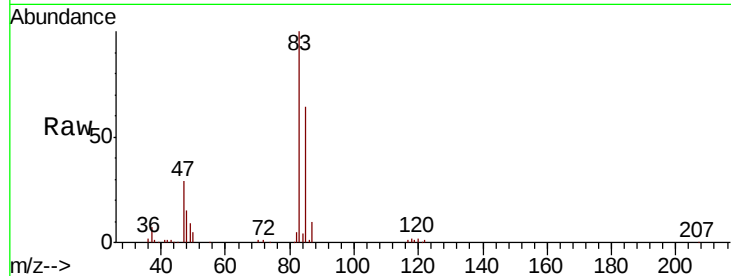
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 272128

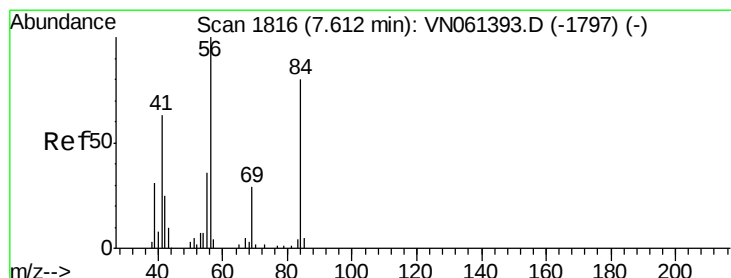
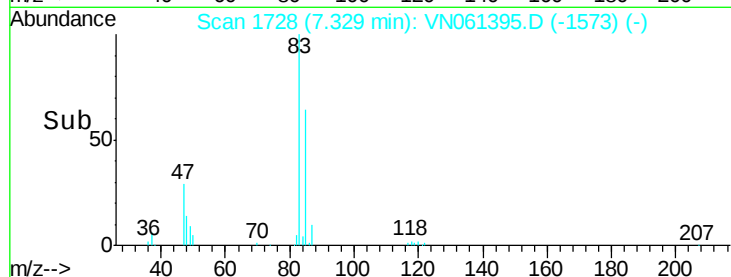
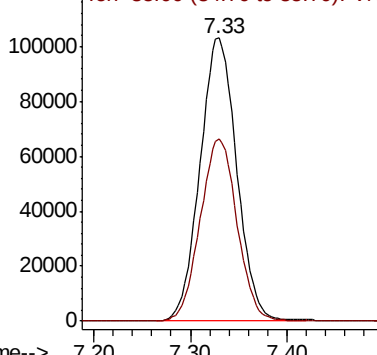
Ion Ratio Lower Upper

83 100

85 64.3 53.8 80.8



Abundance Ion 83.00 (82.70 to 83.70): VNC
Ion 85.00 (84.70 to 85.70): VNC



#26

Cyclohexane

Concen: 112.848 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

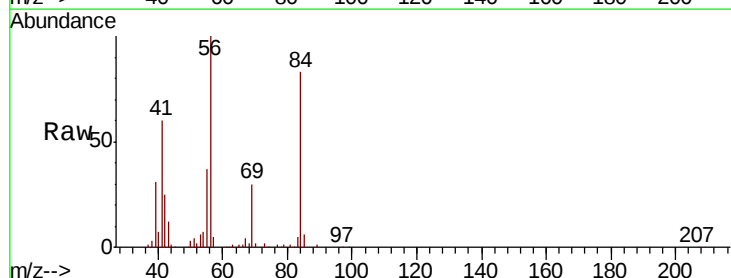
Tgt Ion: 56 Resp: 262670

Ion Ratio Lower Upper

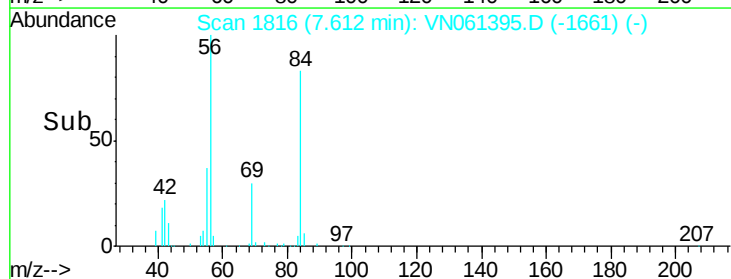
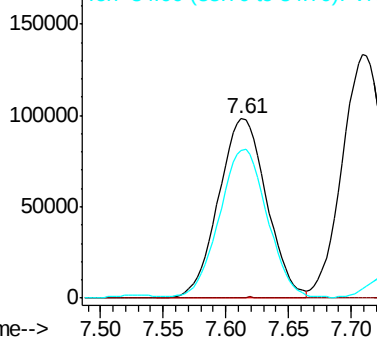
56 100

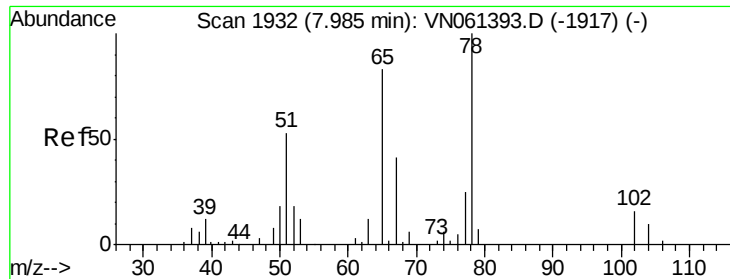
89 0.5 6.2 9.2#

84 82.7 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 89.00 (88.70 to 89.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

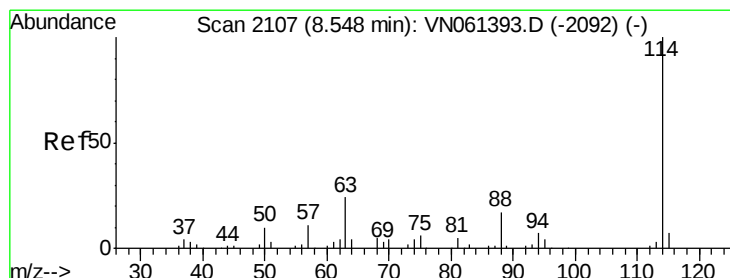
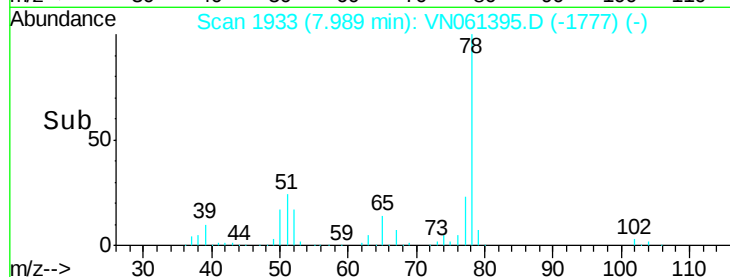
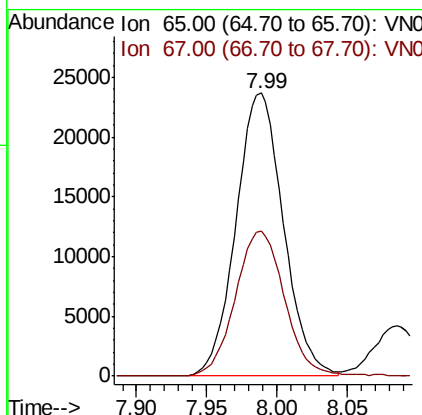
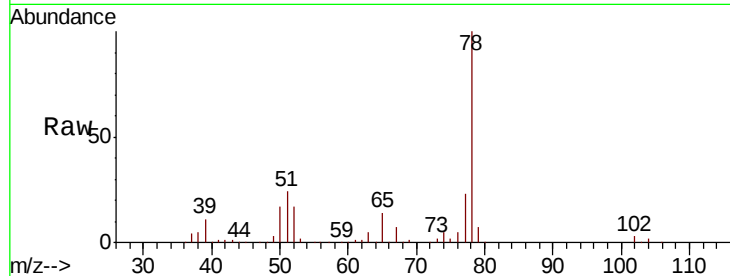




#27
 1,2-Dichloroethane-d4
 Concen: 29.986 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

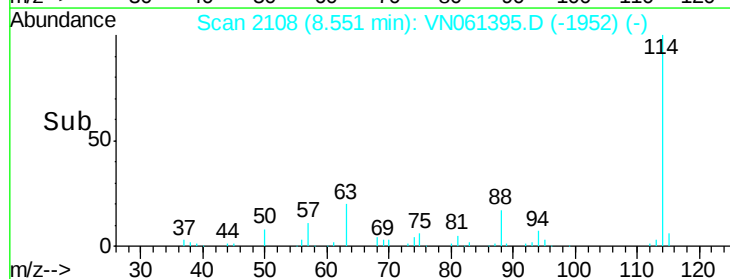
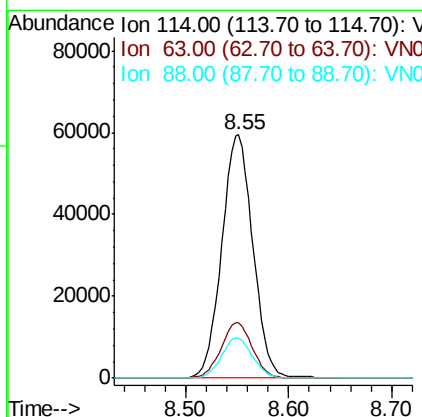
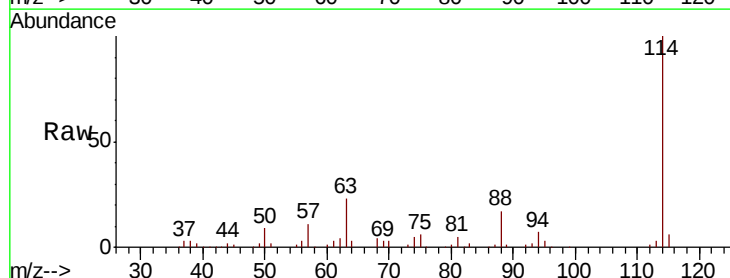
Instrument :
 MSVOA_N
 ClientSampled :

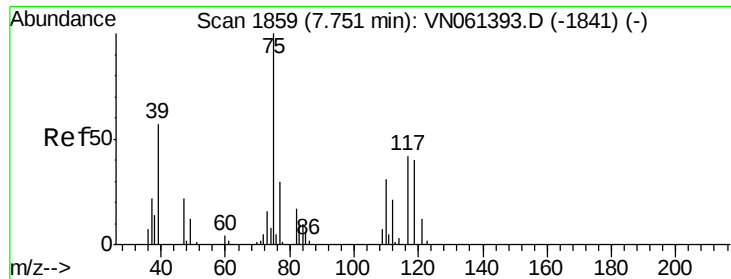
Tot Ion: 65 Resp: 55765
 Ion Ratio Lower Upper
 65 100
 67 53.0 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion: 114 Resp: 124863
 Ion Ratio Lower Upper
 114 100
 63 22.9 18.1 27.1
 88 16.5 13.0 19.4

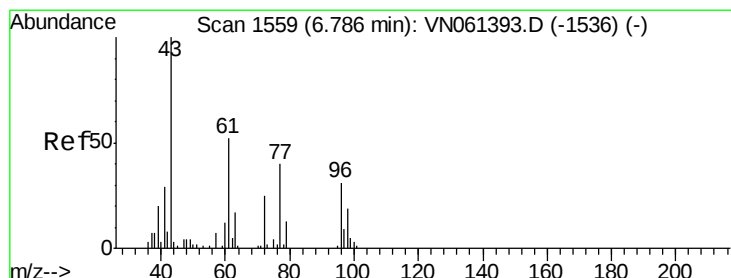
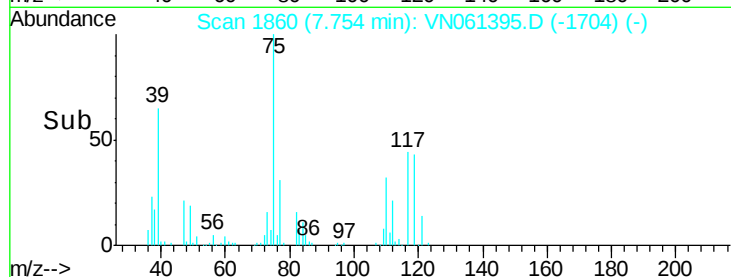
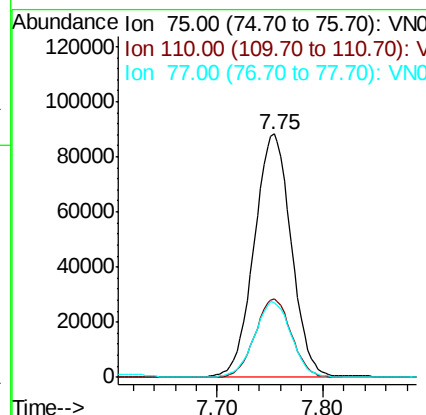
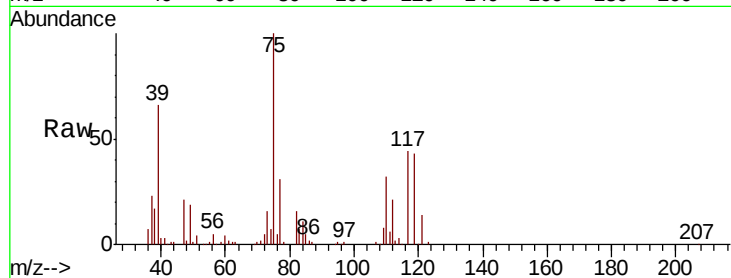




#29
 1,1-Dichloropropene
 Concen: 108.060 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

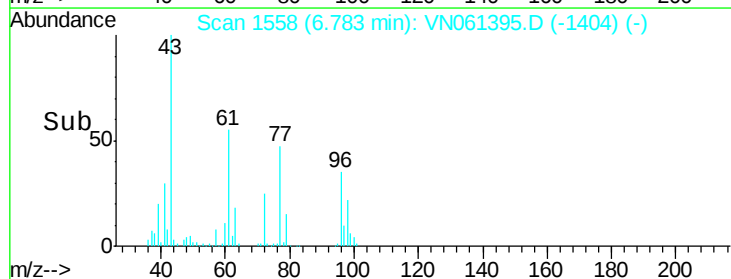
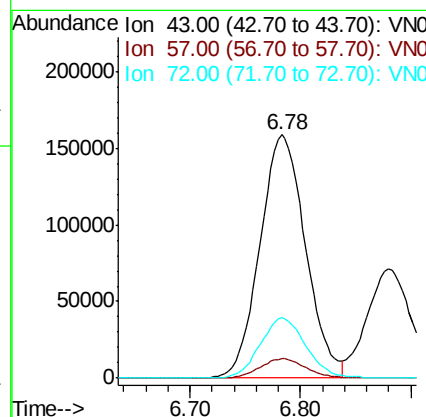
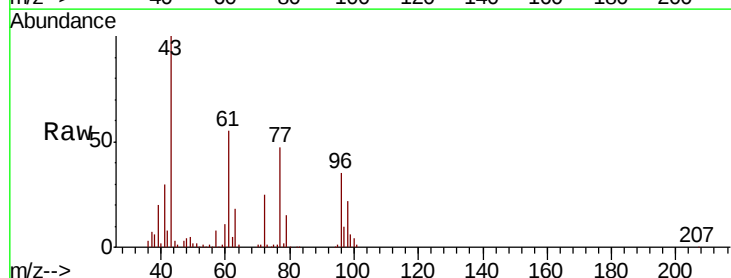
Instrument :
 MSVOA_N
 ClientSampled :

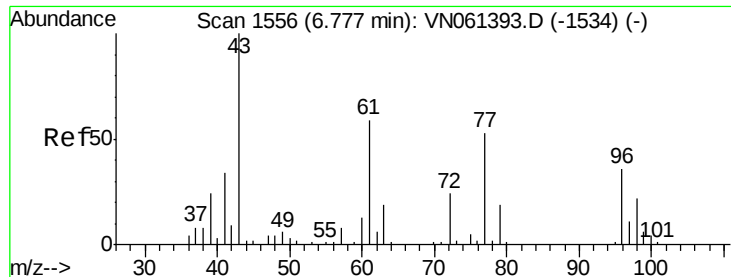
Tot Ion: 75 Resp: 216221
 Ion Ratio Lower Upper
 75 100
 110 31.7 0.0 64.6
 77 31.1 0.0 60.8



#30
 2-Butanone
 Concen: 419.124 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion: 43 Resp: 452420
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.5 9.7
 72 25.1 20.1 30.1





#31

2,2-Dichloropropane

Concen: 106.770 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

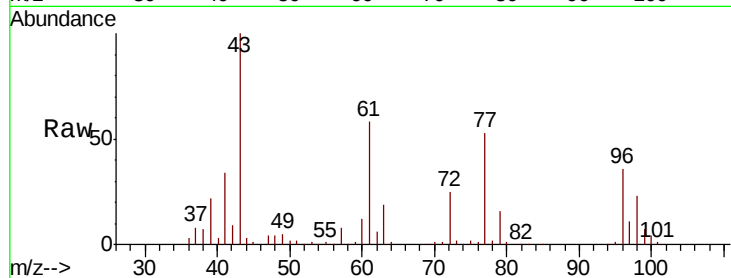
ClientSampled :

Tot Ion: 77 Resp: 252374

Ion Ratio Lower Upper

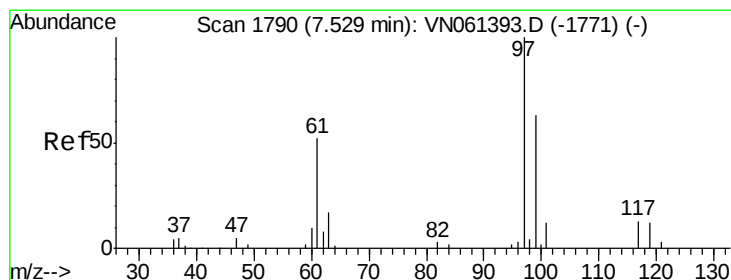
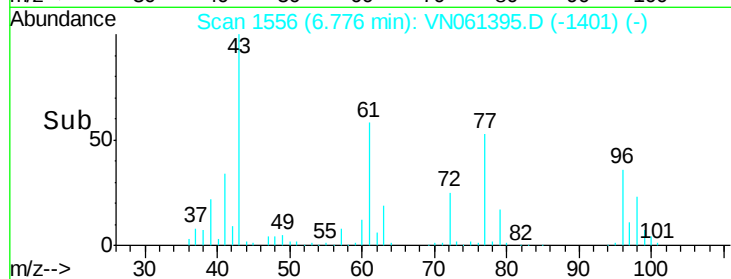
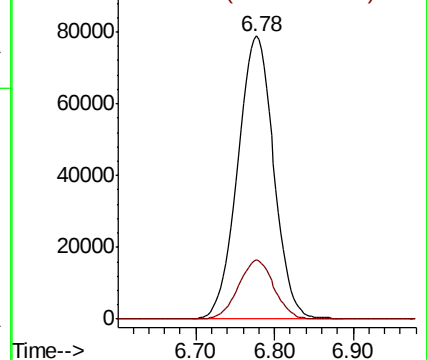
77 100

97 20.6 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: 106.997 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

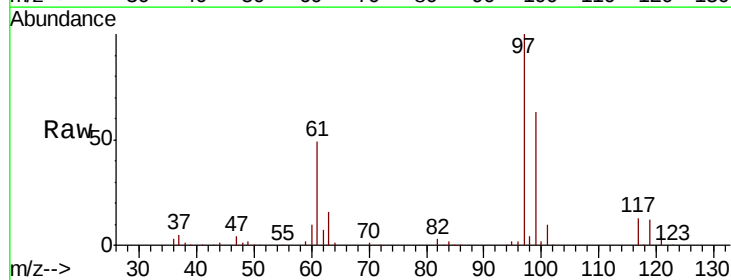
Tgt Ion: 97 Resp: 244133

Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

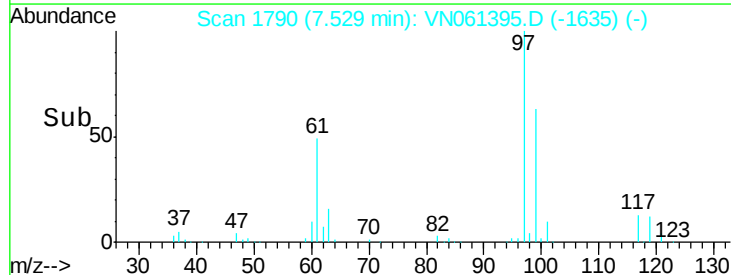
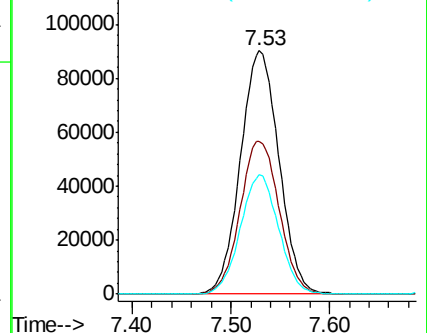
61 48.7 38.4 57.6

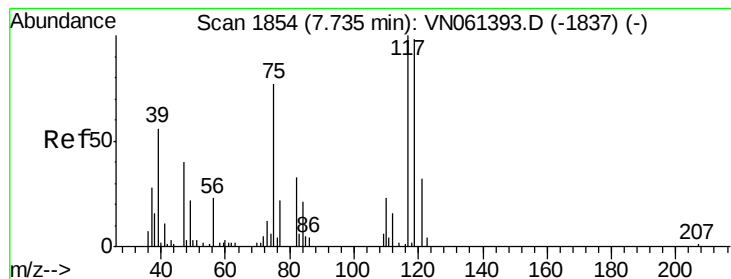


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 101.452 ug/l

RT: 7.73 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :

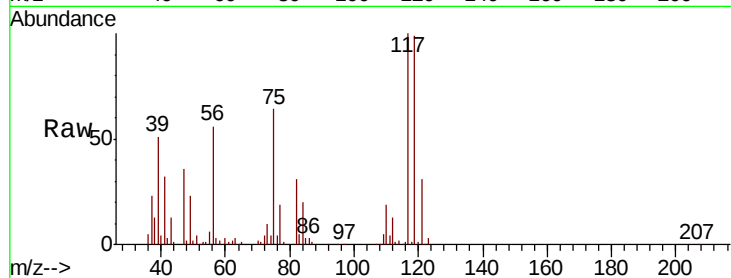
Tot Ion:117 Resp: 195044

Ion Ratio Lower Upper

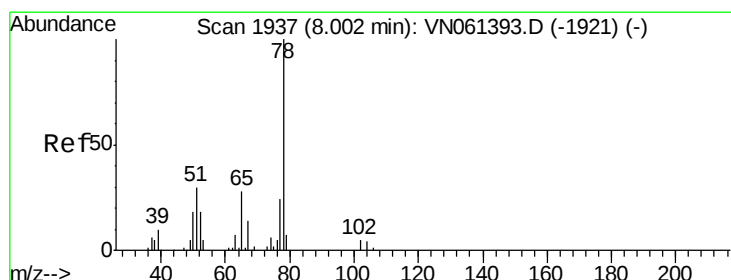
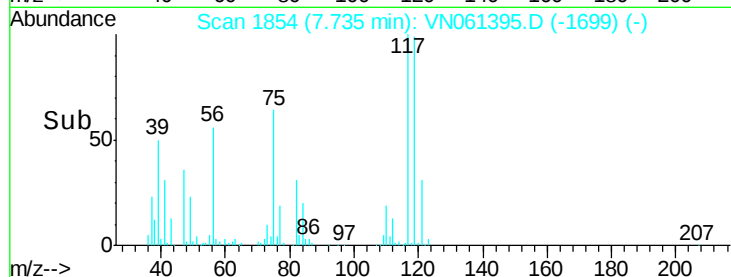
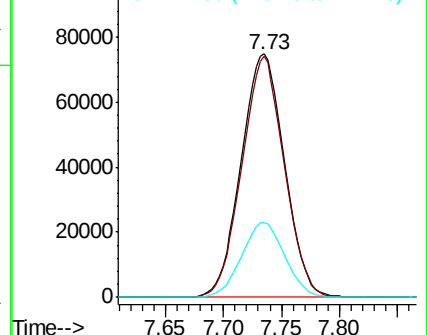
117 100

119 98.8 76.9 115.3

121 30.8 23.8 35.8



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 106.096 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

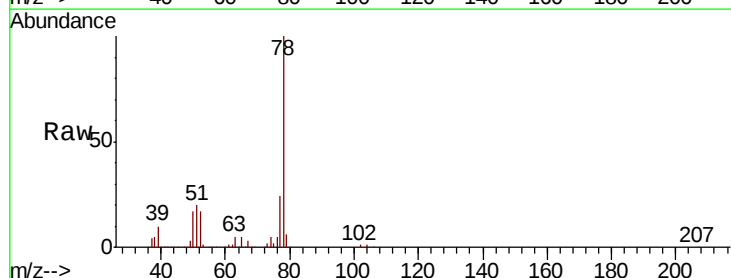
Tgt Ion: 78 Resp: 619800

Ion Ratio Lower Upper

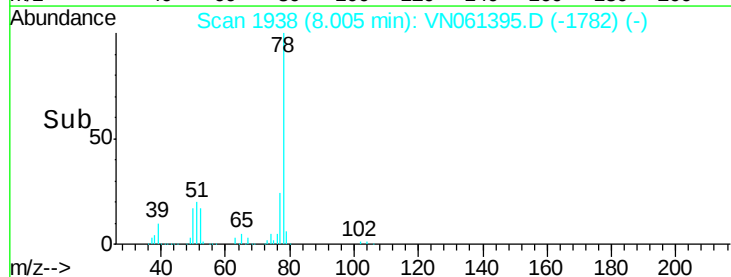
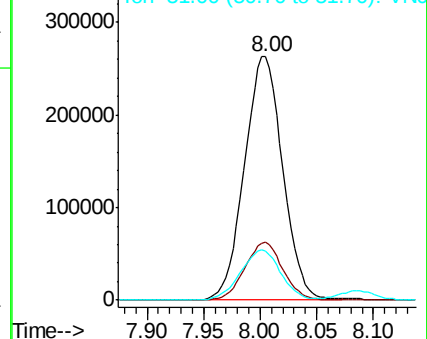
78 100

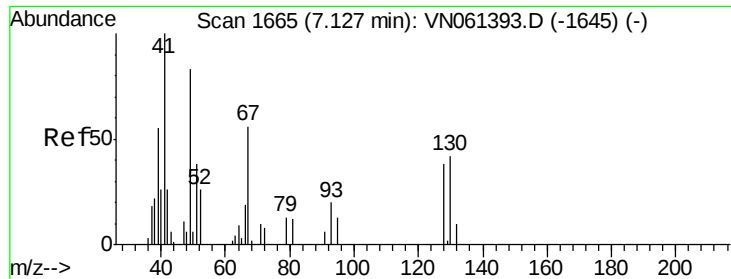
77 23.7 19.2 28.8

51 20.0 22.1 33.1#



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

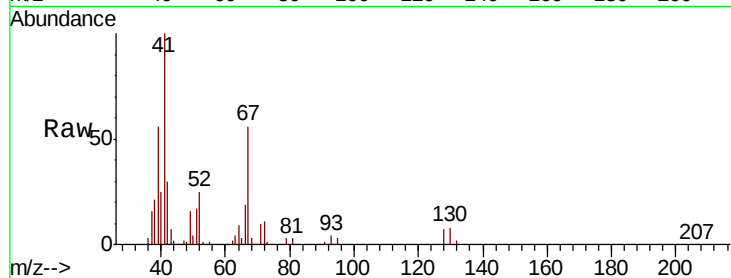




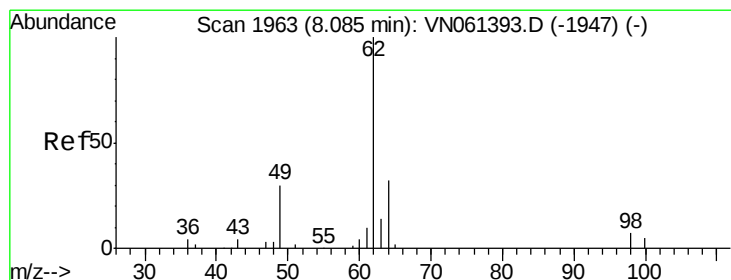
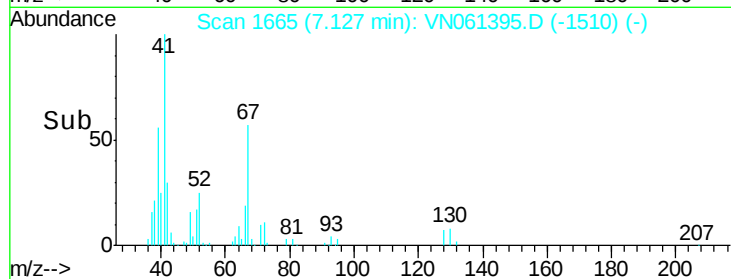
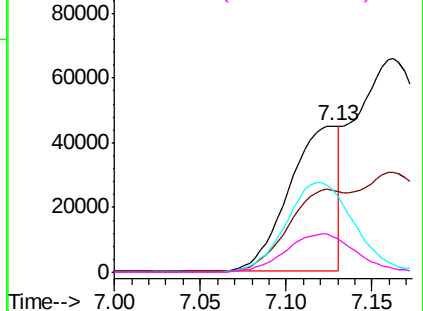
#35
Methacrylonitrile
Concen: 88.268 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	89349
Ion	Ratio	Lower	Upper
41	100		
39	56.1	25.8	77.4
67	56.8	23.0	69.0
52	24.8	10.1	30.1

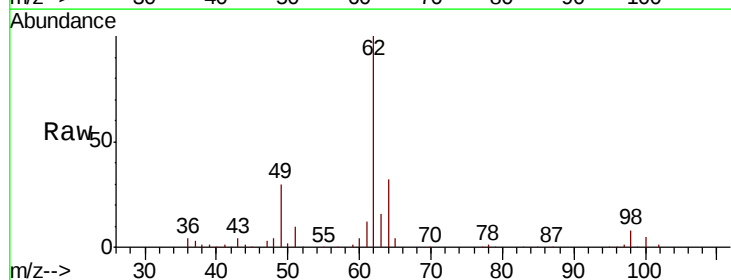


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

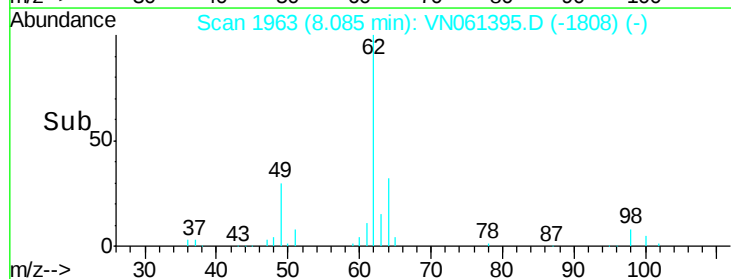
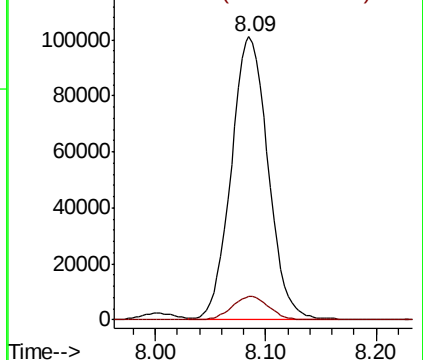


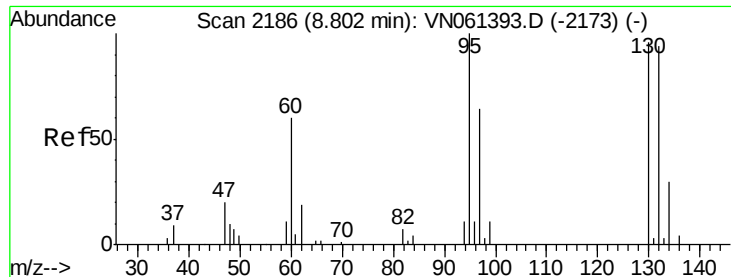
#36
1,2-Dichloroethane
Concen: 104.470 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion:	62	Resp:	233288
Ion	Ratio	Lower	Upper
62	100		
98	8.3	6.4	9.6



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

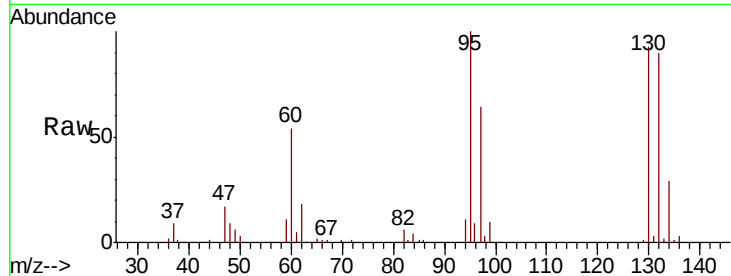




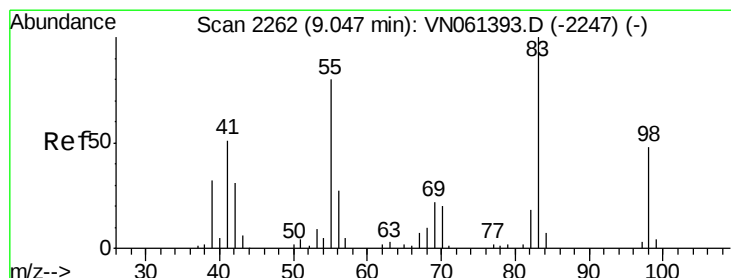
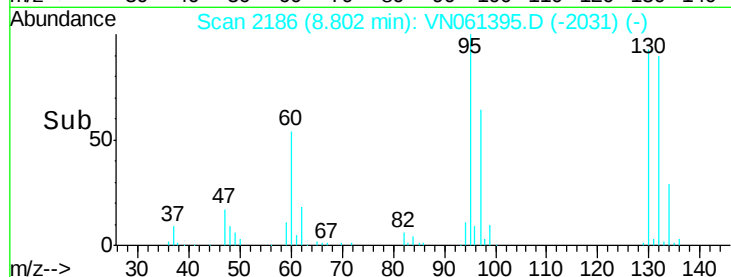
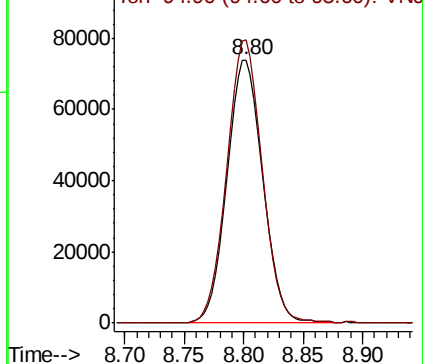
#37
 Trichloroethene
 Concen: 108.265 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:130 Resp: 154646
 Ion Ratio Lower Upper
 130 100
 95 107.2 83.2 124.8

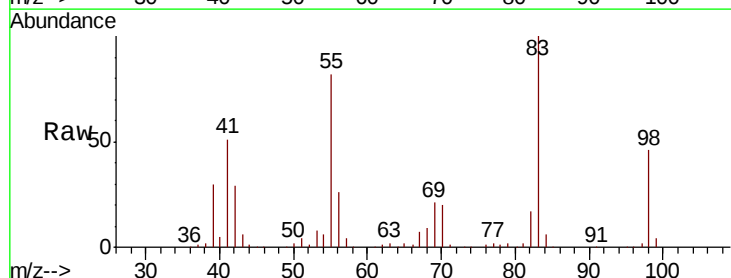


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

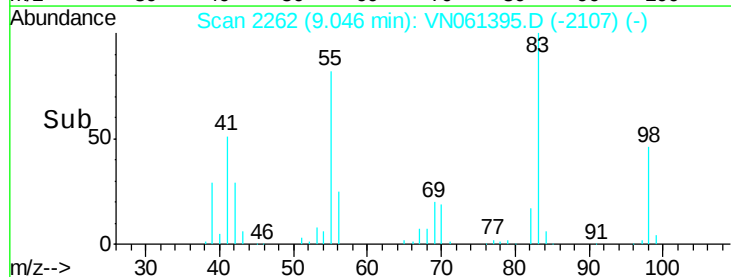
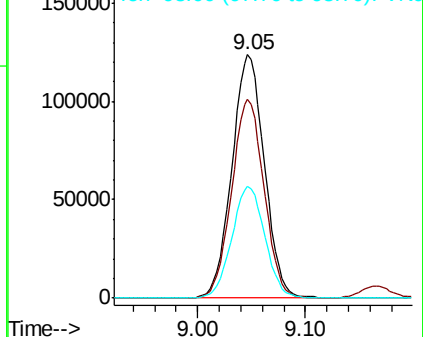


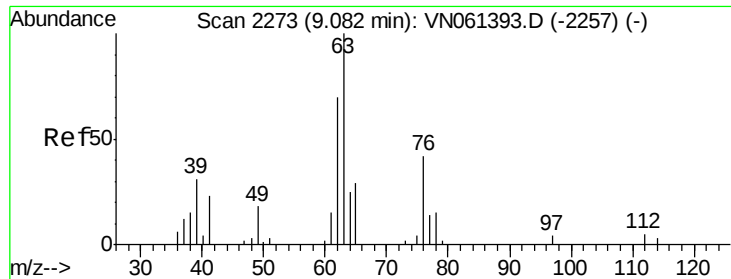
#38
 Methylcyclohexane
 Concen: 110.915 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion: 83 Resp: 259913
 Ion Ratio Lower Upper
 83 100
 55 81.2 40.4 121.1
 98 46.8 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN

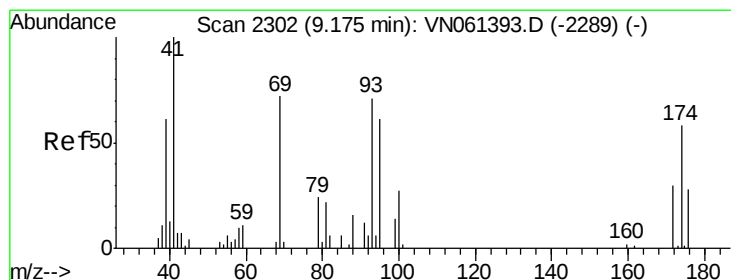
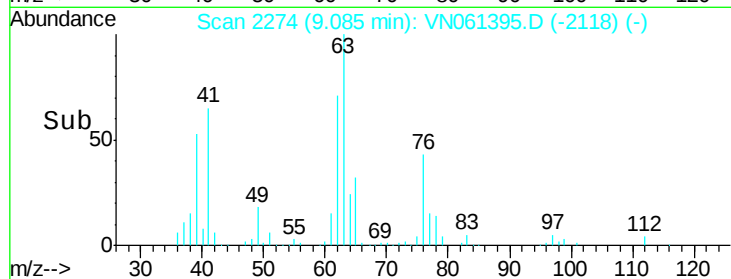
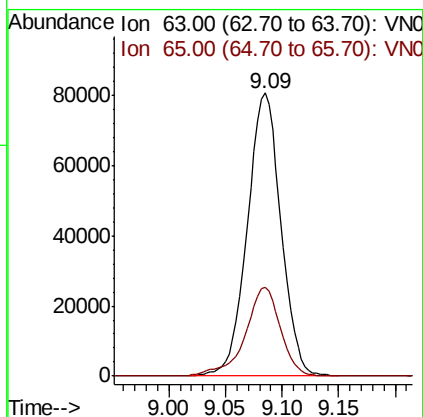
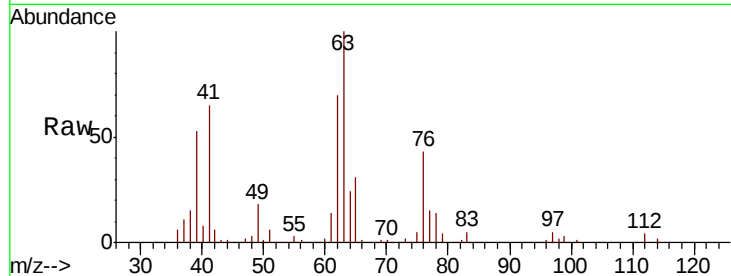




#39
 1,2-Dichloropropane
 Concen: 104.336 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

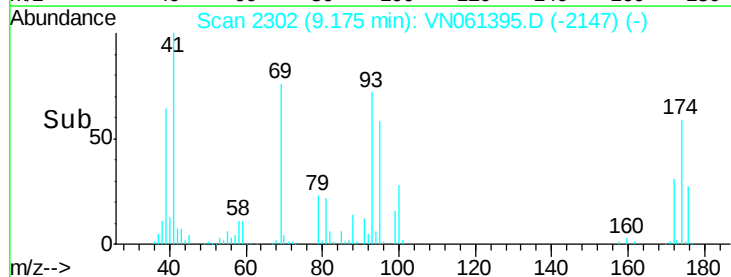
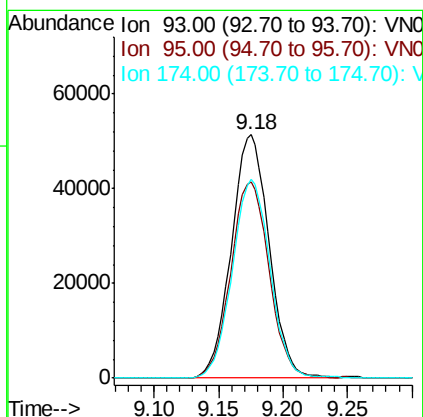
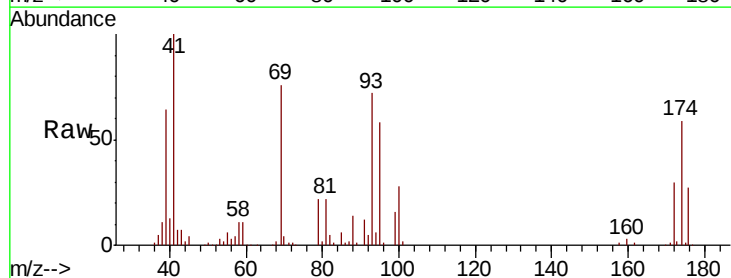
Instrument :
 MSVOA_N
 ClientSampleId :

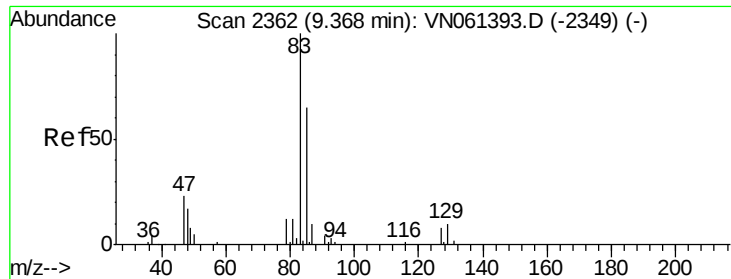
Tot Ion: 63 Resp: 166710
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.8 35.6



#40
 Dibromomethane
 Concen: 105.065 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion: 93 Resp: 104761
 Ion Ratio Lower Upper
 93 100
 95 81.9 0.0 167.6
 174 81.6 0.0 187.2





#41

Bromodichloromethane

Concen: 109.671 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

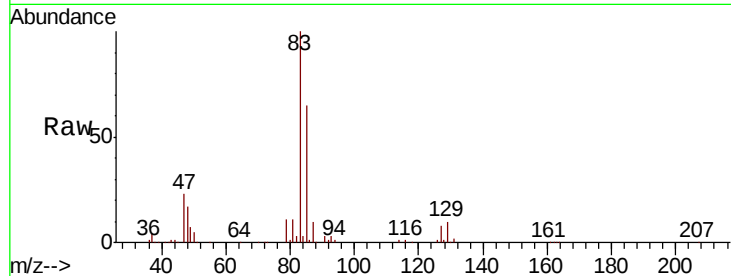
Tot Ion: 83 Resp: 227492

Ion Ratio Lower Upper

83 100

85 64.6 51.0 76.4

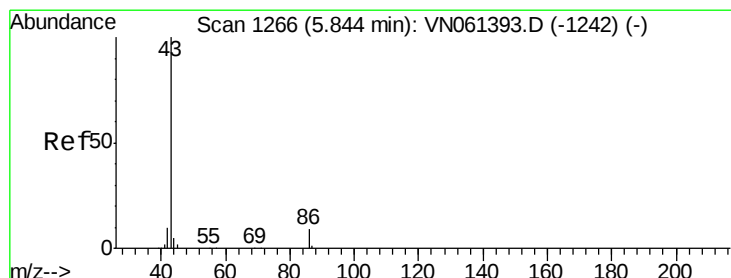
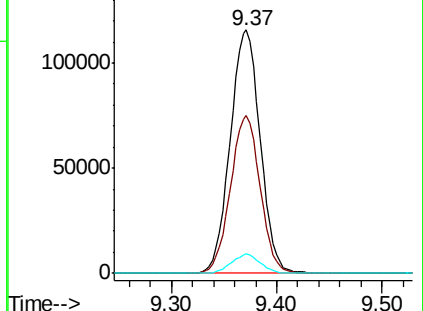
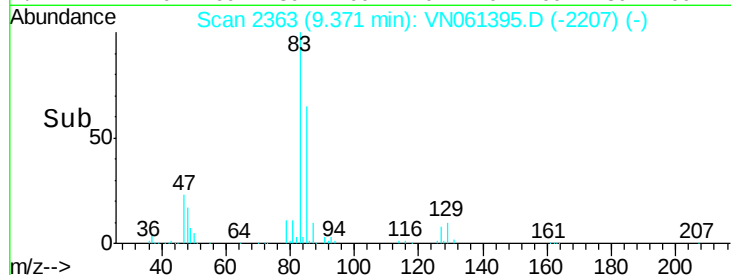
127 7.8 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN061395.D (-2207) (-)

Ion 85.00 (84.70 to 85.70): VN061395.D (-2207) (-)

Ion 127.00 (126.70 to 127.70): VN061395.D (-2207) (-)



#42

Vinyl Acetate

Concen: 553.875 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN061395.D

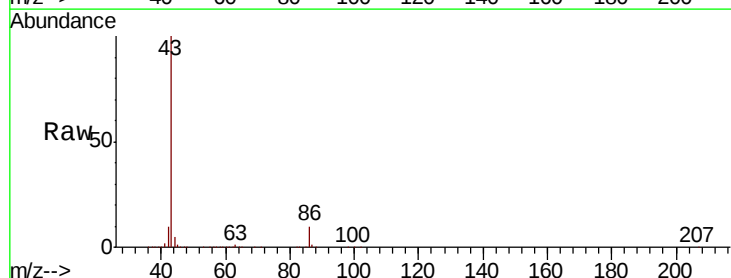
Acq: 14 May 2020 15:23

Tgt Ion: 43 Resp: 2183235

Ion Ratio Lower Upper

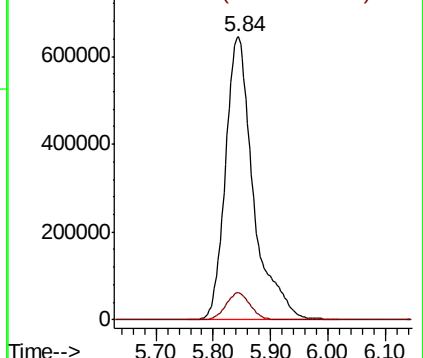
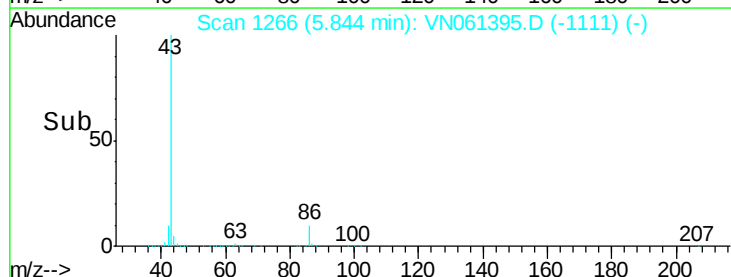
43 100

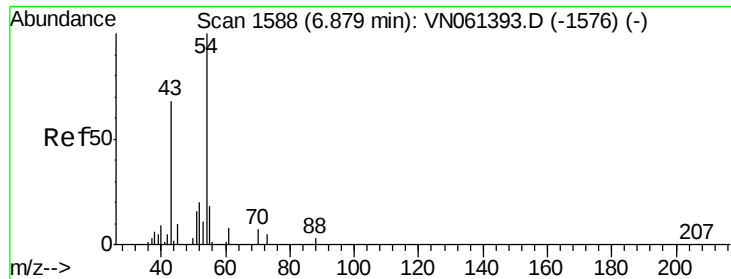
86 8.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN061395.D (-1111) (-)

Ion 86.00 (85.70 to 86.70): VN061395.D (-1111) (-)





#43

Ethyl Acetate

Concen: 93.287 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

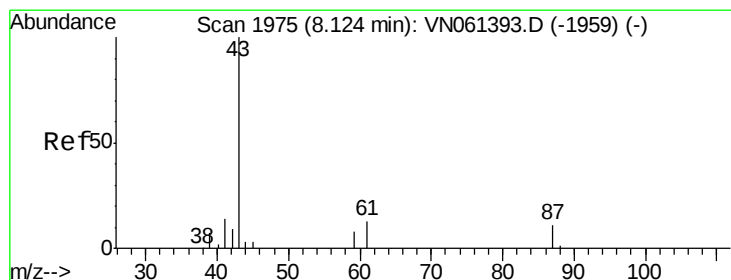
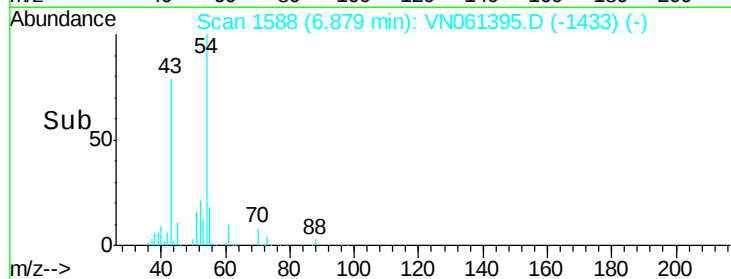
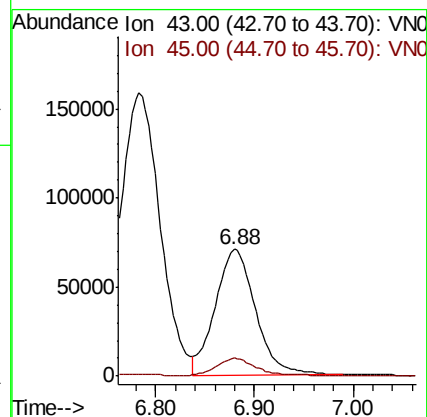
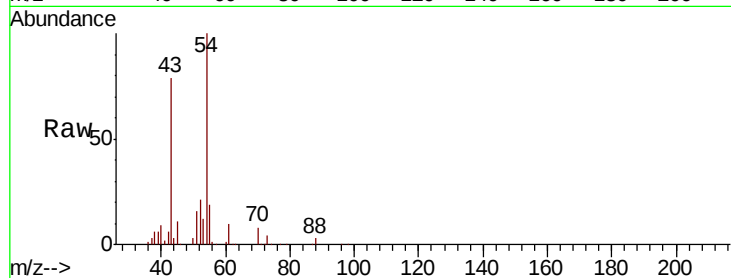
ClientSampleId :

Tot Ion: 43 Resp: 201394

Ion Ratio Lower Upper

43 100

45 14.4 9.7 14.5



#44

Isopropyl Acetate

Concen: 104.556 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061395.D

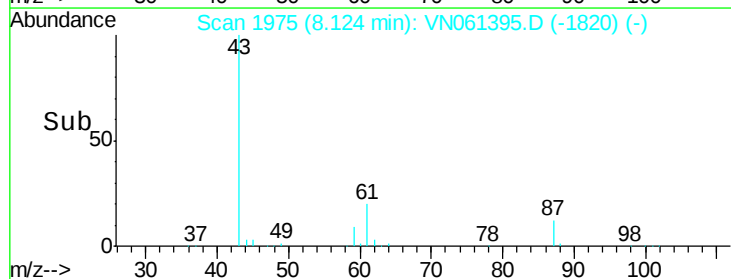
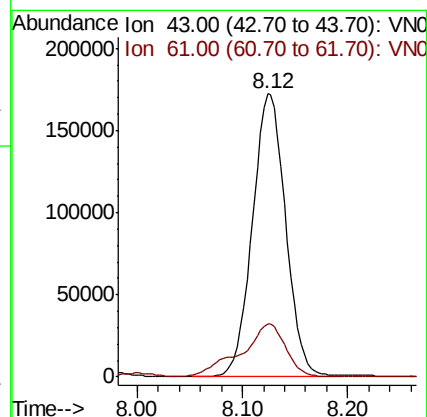
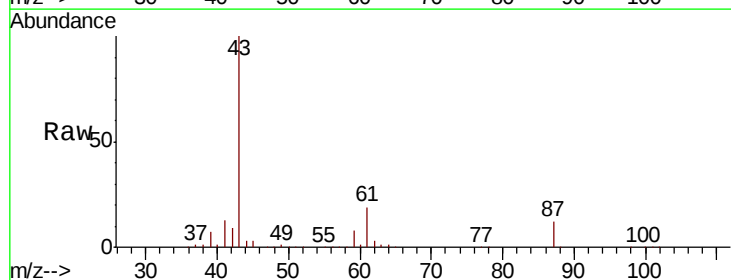
Acq: 14 May 2020 15:23

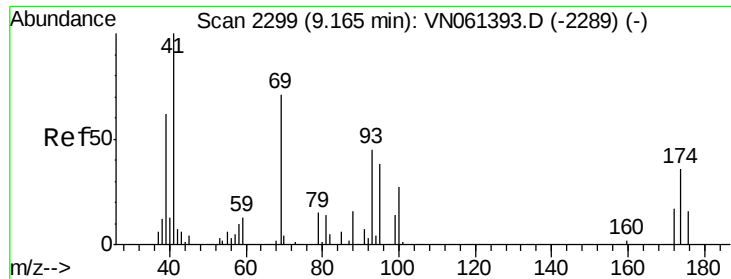
Tgt Ion: 43 Resp: 376305

Ion Ratio Lower Upper

43 100

61 25.1 19.9 29.9

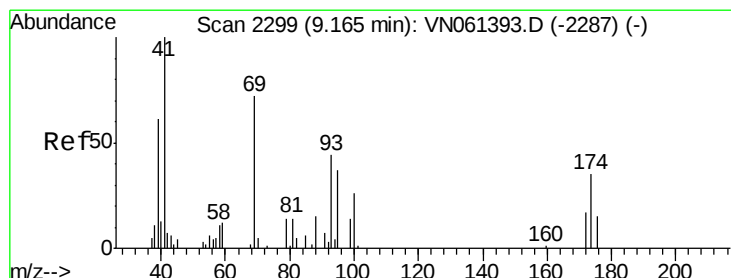
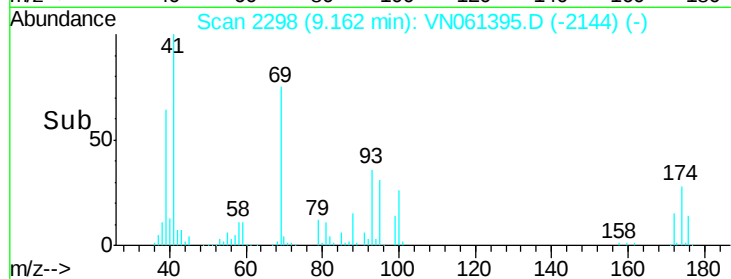
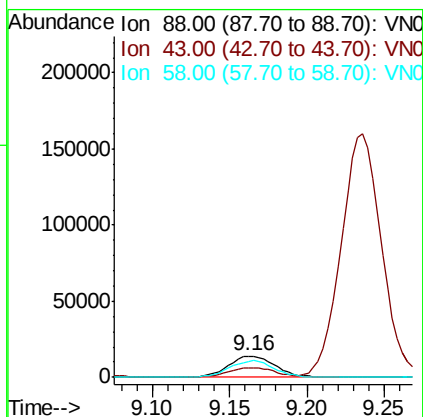
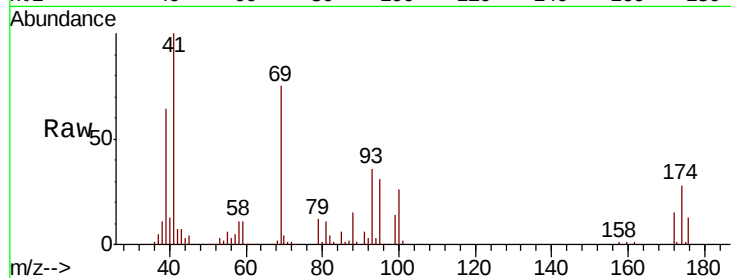




#45
 1,4-Dioxane
 Concen: 1178.038 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

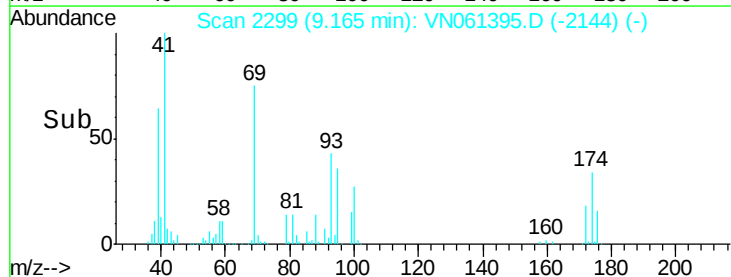
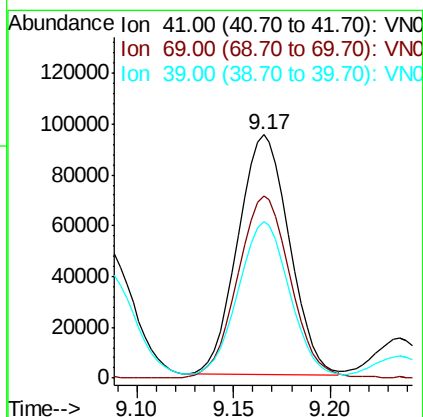
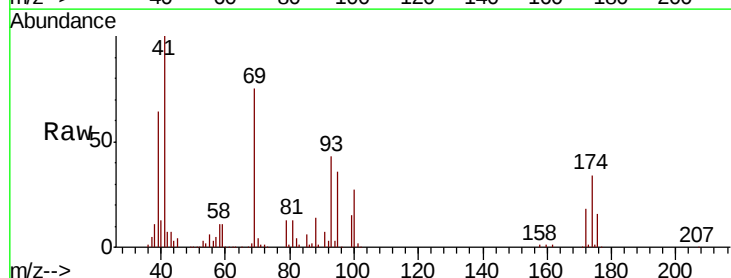
Instrument :
 MSVOA_N
 ClientSampleId :

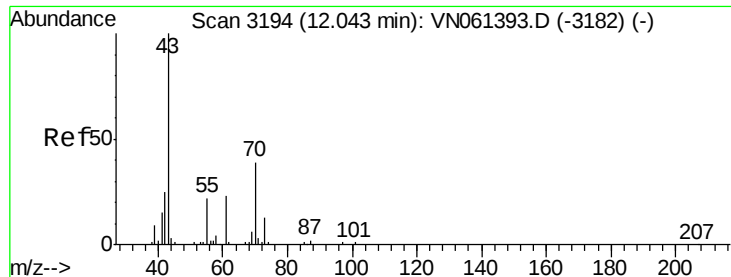
Tot Ion: 88 Resp: 29126
 Ion Ratio Lower Upper
 88 100
 43 43.6 29.8 44.8
 58 76.0 58.2 87.4



#46
 Methyl methacrylate
 Concen: 104.959 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion: 41 Resp: 174698
 Ion Ratio Lower Upper
 41 100
 69 75.7 40.2 120.5
 39 63.7 29.9 89.8

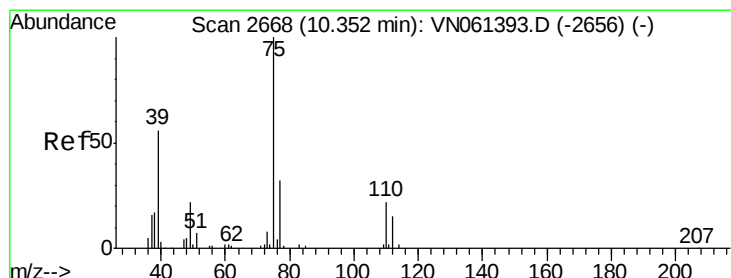
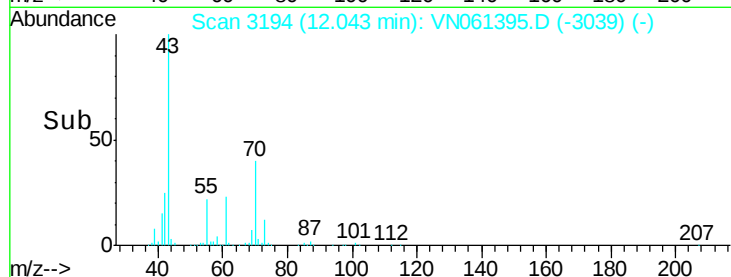
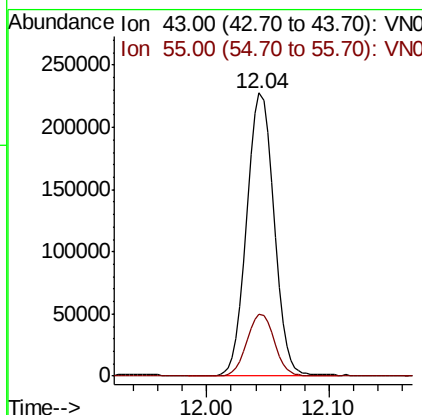
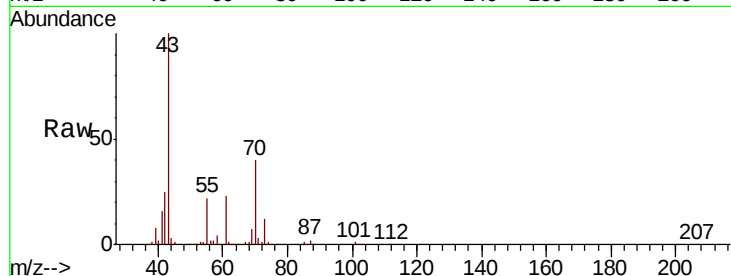




#47
n-amvl Acetate
Concen: 109.143 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

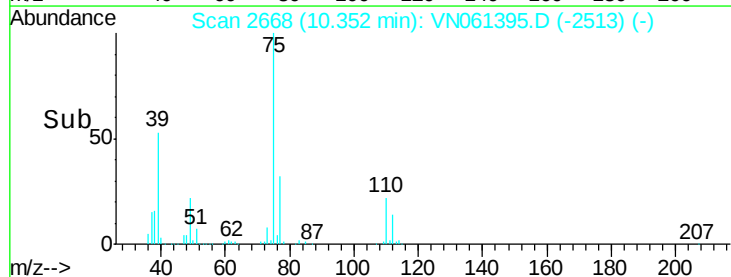
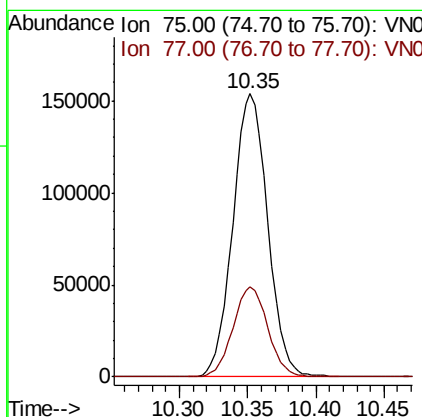
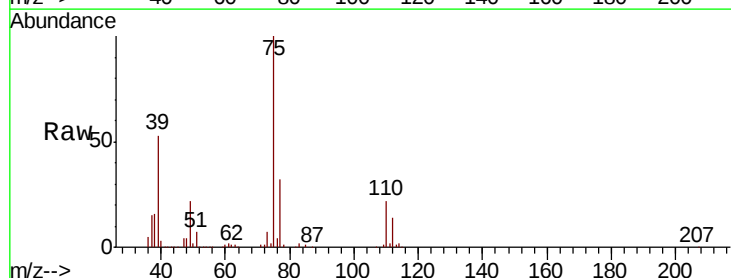
Instrument :
MSVOA_N
ClientSampled :

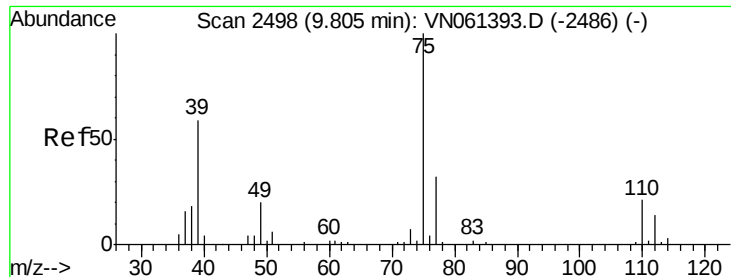
Tot Ion: 43 Resp: 348712
Ion Ratio Lower Upper
43 100
55 21.9 19.6 29.4



#48
t-1,3-Dichloropropene
Concen: 112.472 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion: 75 Resp: 272474
Ion Ratio Lower Upper
75 100
77 31.6 27.0 40.4



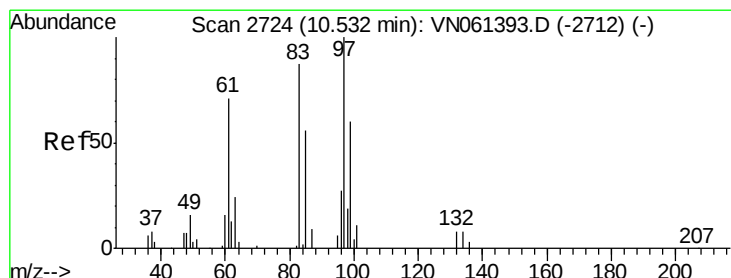
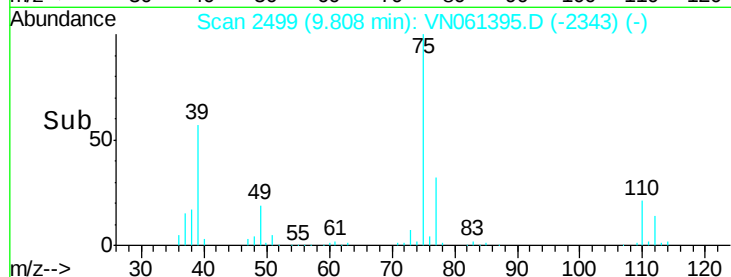
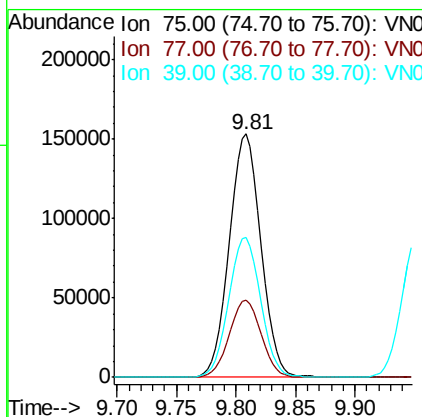
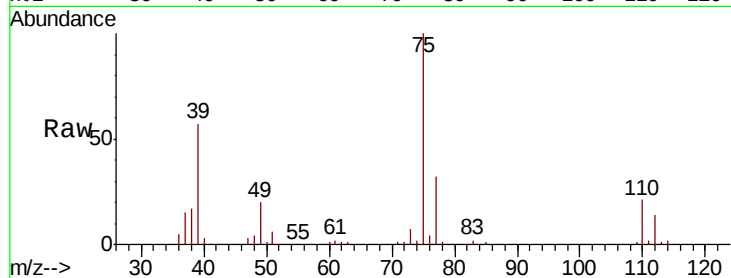


#49

cis-1,3-Dichloropropene
 Concen: 111.685 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Instrument :
 MSVOA_N
 ClientSampleId :

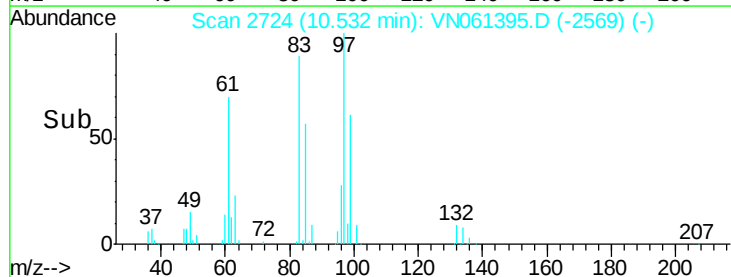
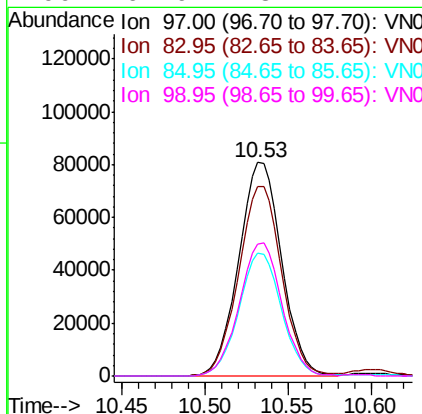
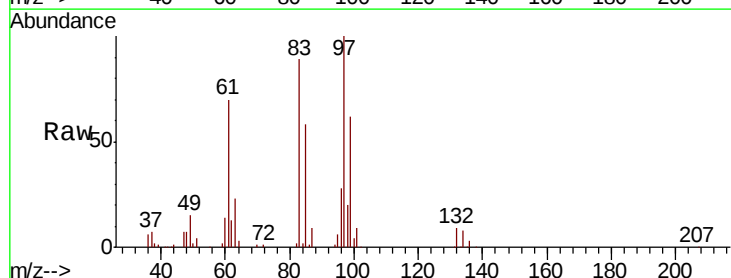
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.1	39.1
39	57.2	43.1	64.7

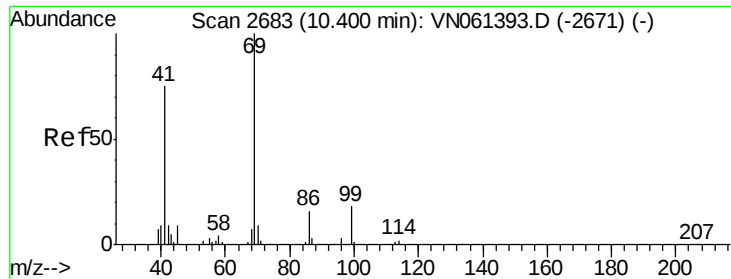


#50

1,1,2-Trichloroethane
 Concen: 102.619 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.7	106.1
85	57.7	45.1	67.7
99	61.9	48.2	72.4





#51

Ethyl methacrylate

Concen: 109.824 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

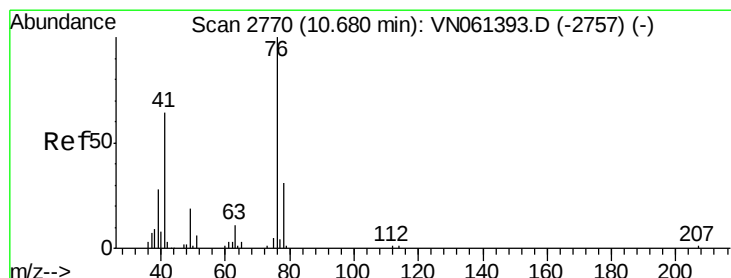
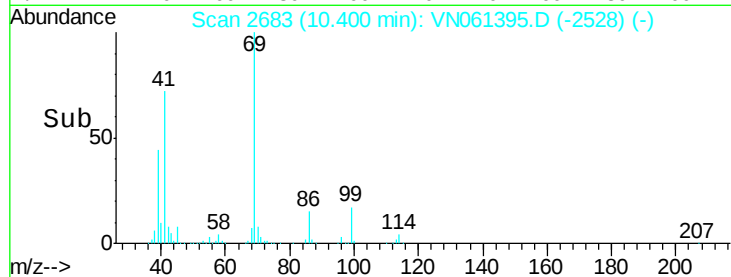
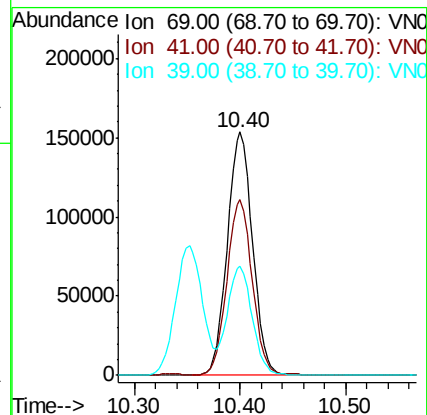
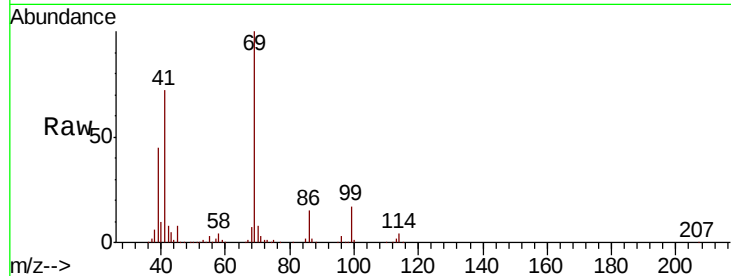
Tot Ion: 69 Resp: 254808

Ion Ratio Lower Upper

69 100

41 71.8 34.7 104.1

39 44.3 20.3 60.8



#52

1,3-Dichloropropane

Concen: 103.516 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061395.D

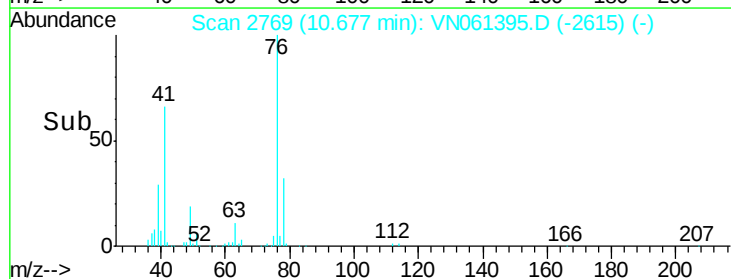
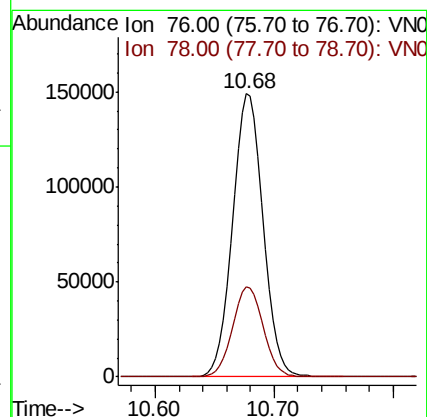
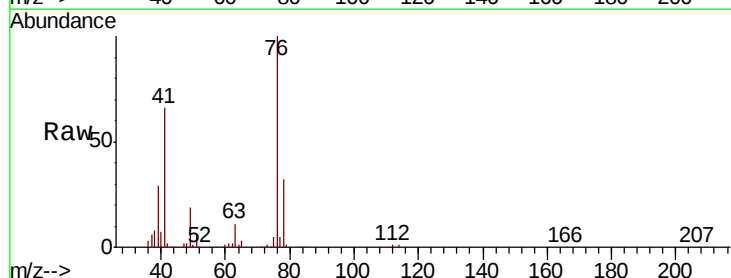
Acq: 14 May 2020 15:23

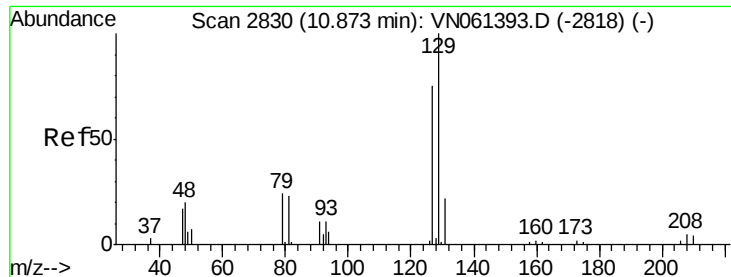
Tgt Ion: 76 Resp: 264596

Ion Ratio Lower Upper

76 100

78 32.0 0.0 63.2





#53

Dibromochloromethane

Concen: 107.462 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

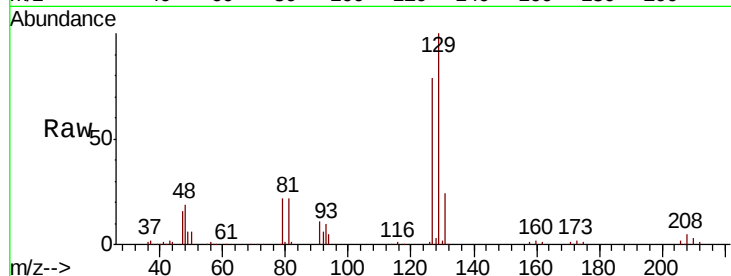
ClientSampled :

Tot Ion:129 Resp: 164557

Ion Ratio Lower Upper

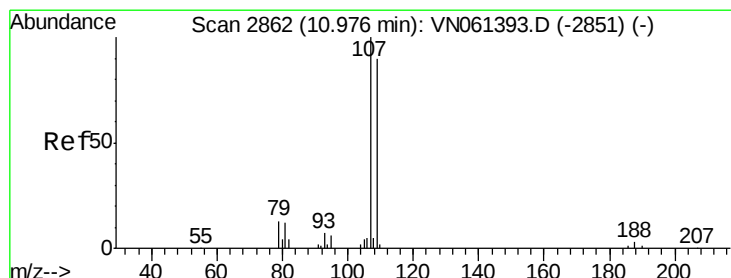
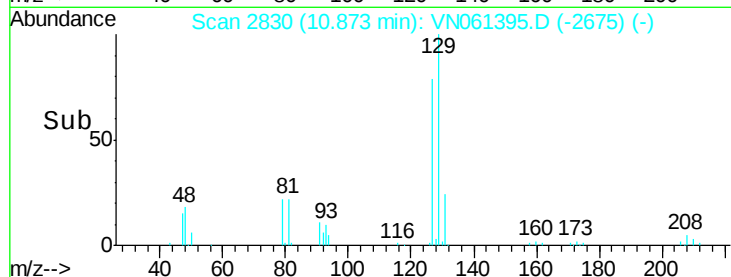
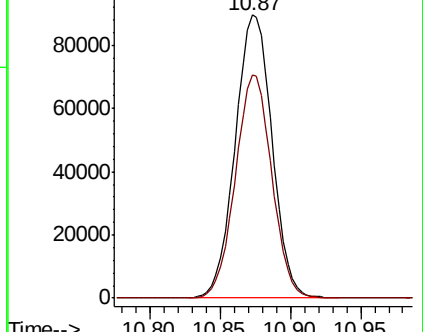
129 100

127 77.8 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: 102.418 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061395.D

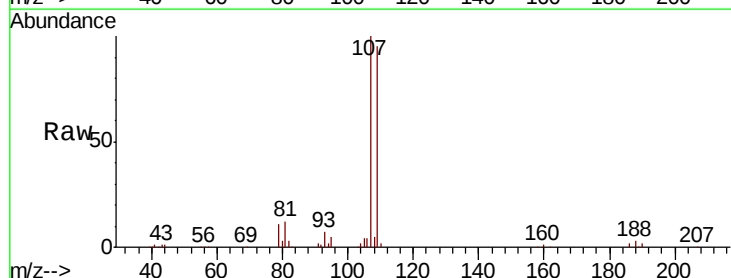
Acq: 14 May 2020 15:23

Tgt Ion:107 Resp: 150775

Ion Ratio Lower Upper

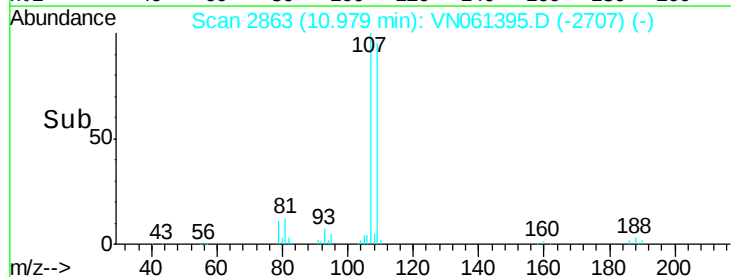
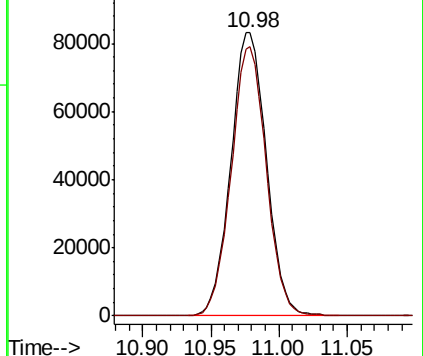
107 100

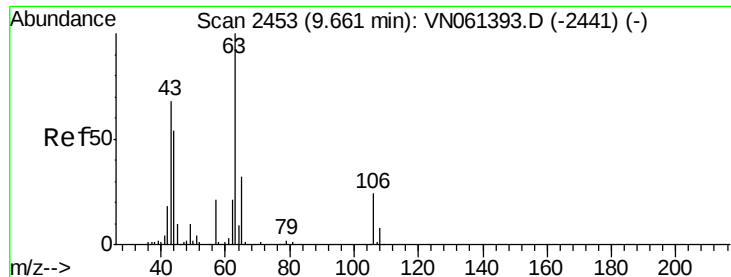
109 93.5 76.2 114.4



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: 512.503 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

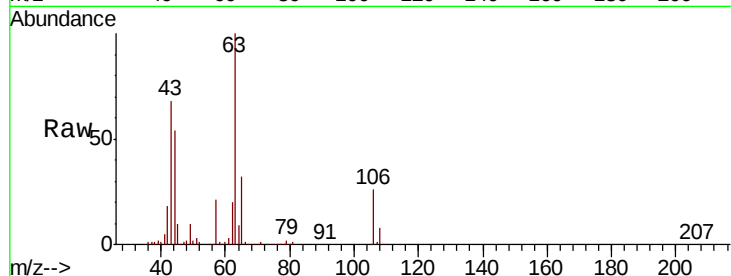
Tot Ion: 63 Resp: 567607

Ion Ratio Lower Upper

63 100

65 31.8 25.3 37.9

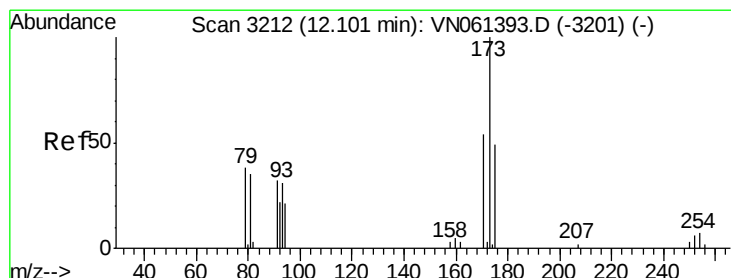
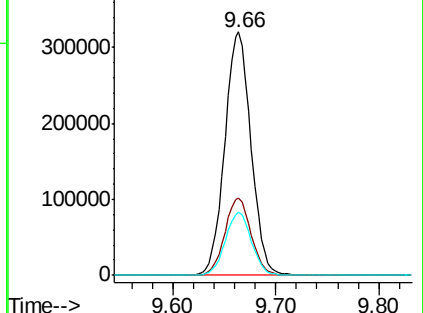
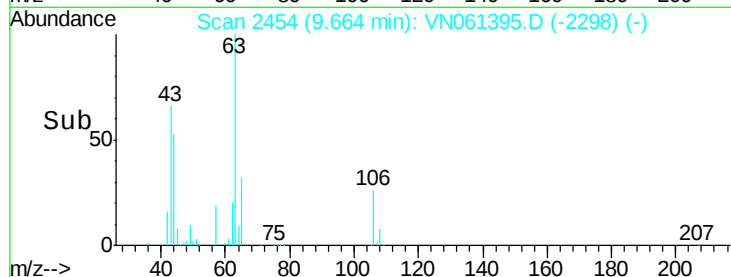
106 25.8 19.8 29.6



Abundance Ion 63.00 (62.70 to 63.70): VN061393.D (-2441) (-)

Ion 65.00 (64.70 to 65.70): VN061393.D (-2441) (-)

Ion 106.00 (105.70 to 106.70): VN061393.D (-2441) (-)



#56

Bromoform

Concen: 102.200 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

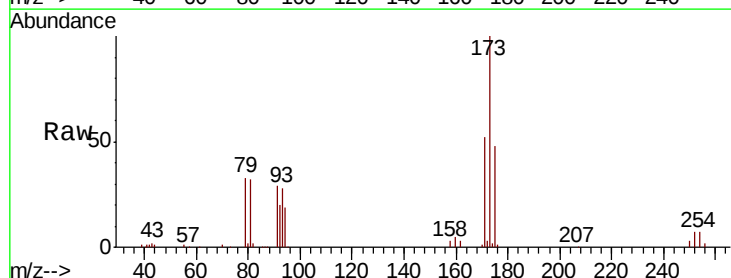
Tgt Ion: 173 Resp: 106865

Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

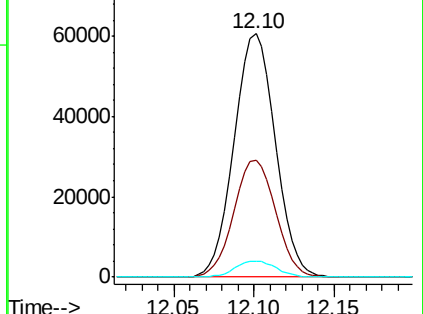
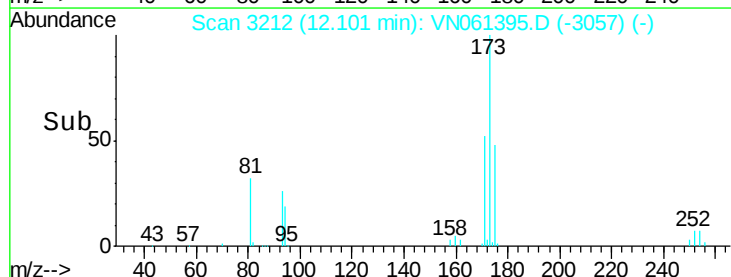
254 6.6 7.4 11.2#

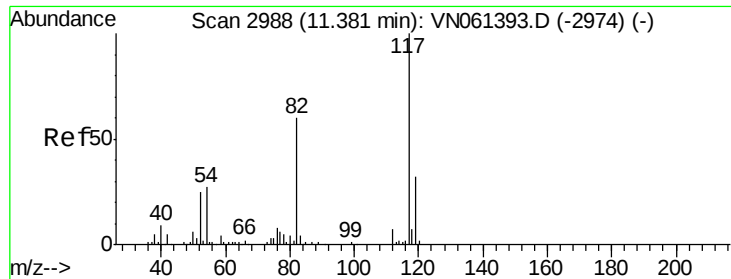


Abundance Ion 173.00 (172.70 to 173.70): VN061393.D (-3201) (-)

Ion 175.00 (174.70 to 175.70): VN061393.D (-3201) (-)

Ion 254.00 (253.70 to 254.70): VN061393.D (-3201) (-)

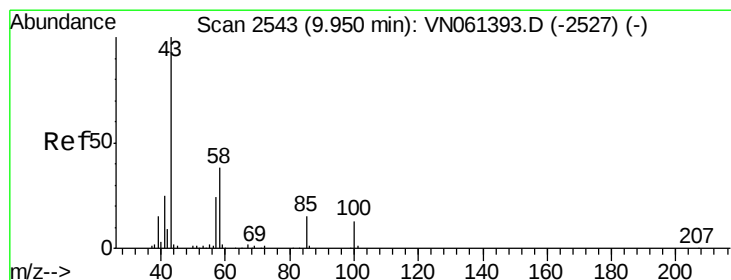
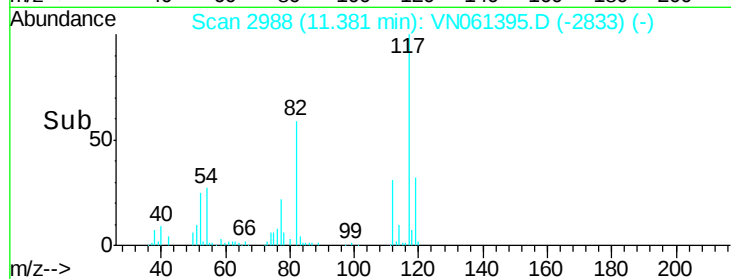
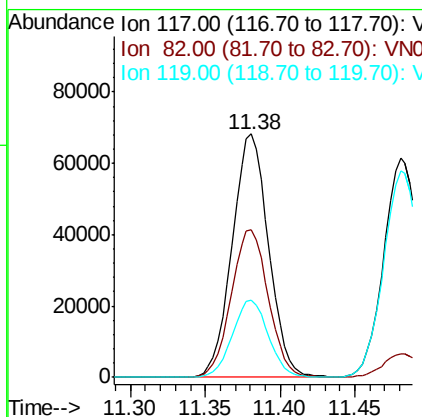
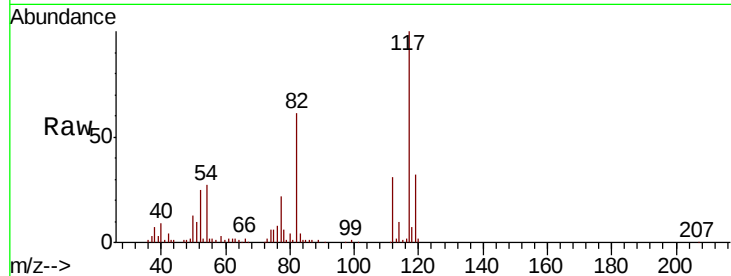




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

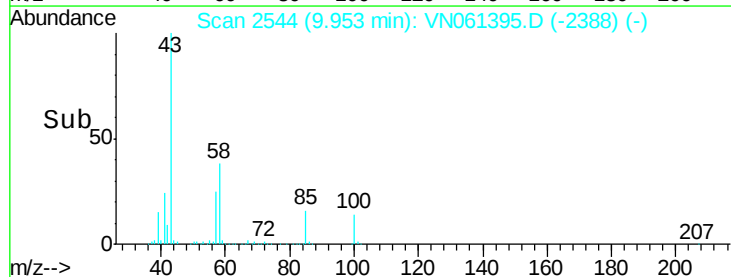
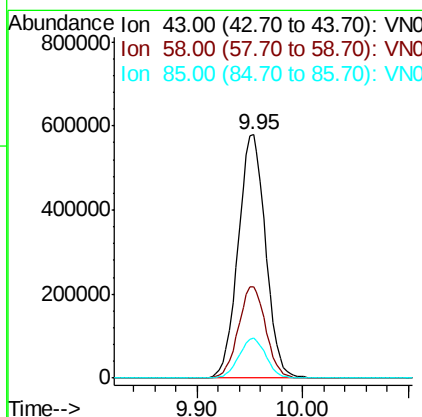
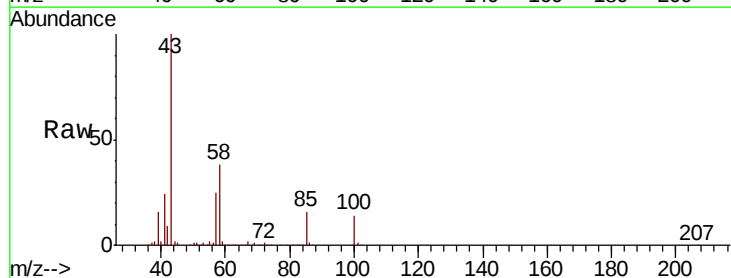
Instrument :
MSVOA_N
ClientSampleId :

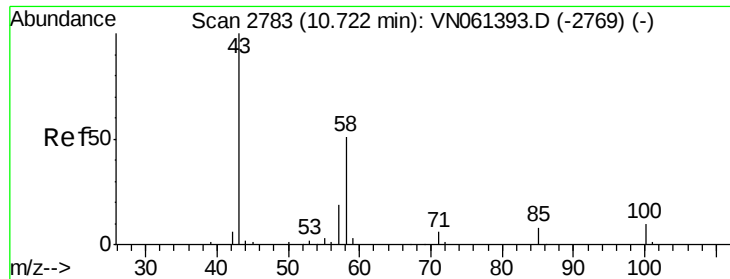
Tot Ion:117 Resp: 115734
Ion Ratio Lower Upper
117 100
82 61.9 46.9 70.3
119 31.5 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 500.158 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion: 43 Resp: 1040056
Ion Ratio Lower Upper
43 100
58 37.7 30.1 45.1
85 16.3 13.2 19.8





#59

2-Hexanone

Concen: 462.682 ug/l

RT: 10.72 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

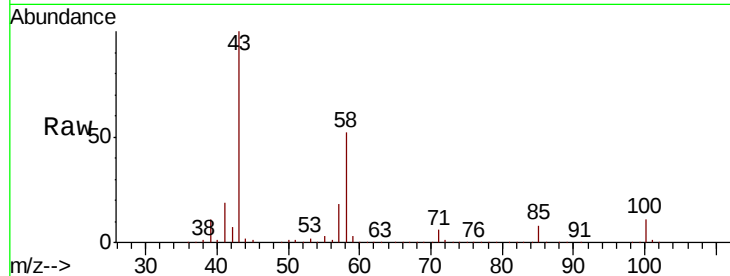
Tot Ion: 43 Resp: 745377

Ion Ratio Lower Upper

43 100

58 52.1 41.4 62.0

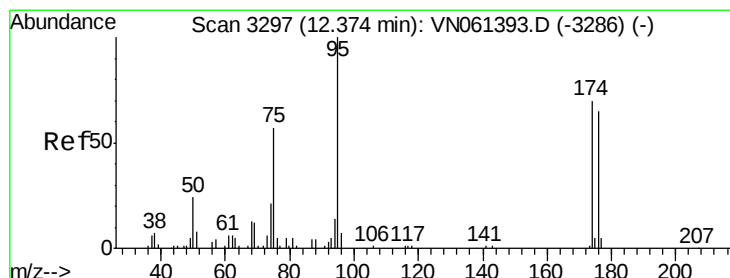
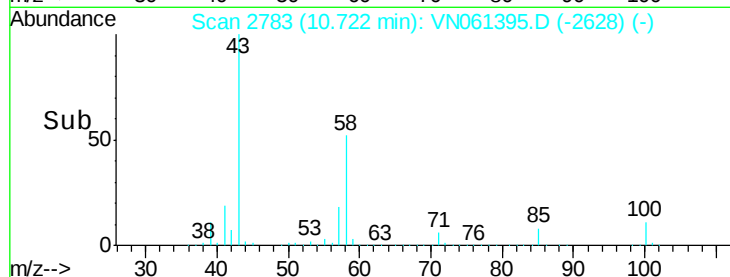
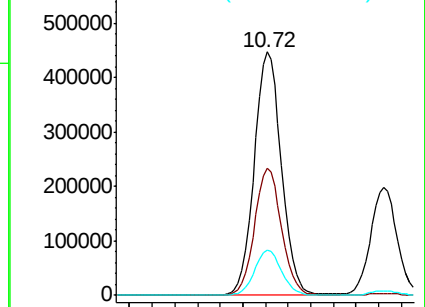
57 18.6 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VN061393.D (-2769) (-)

Ion 58.00 (57.70 to 58.70): VN061393.D (-2769) (-)

Ion 57.00 (56.70 to 57.70): VN061393.D (-2769) (-)



#60

4-Bromofluorobenzene

Concen: 30.483 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

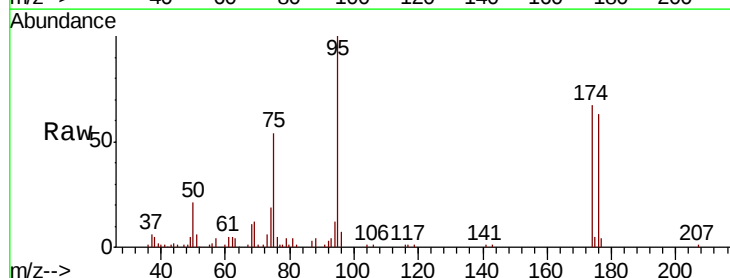
Tgt Ion: 95 Resp: 61083

Ion Ratio Lower Upper

95 100

174 67.5 59.9 89.9

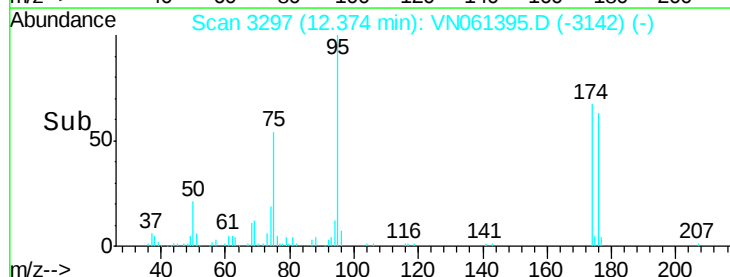
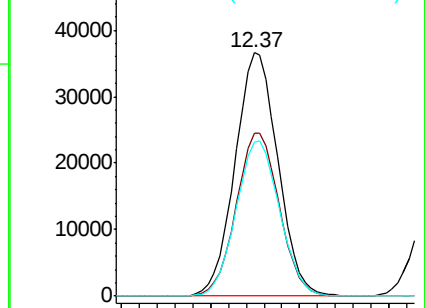
176 64.7 58.3 87.5

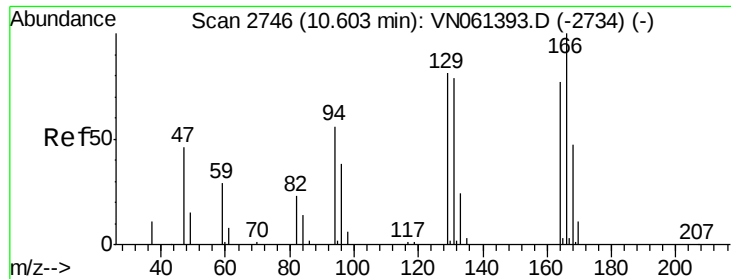


Abundance Ion 95.00 (94.70 to 95.70): VN061393.D (-3286) (-)

Ion 174.00 (173.70 to 174.70): VN061393.D (-3286) (-)

Ion 176.00 (175.70 to 176.70): VN061393.D (-3286) (-)





#61

Tetrachloroethene

Concen: 116.844 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 148173

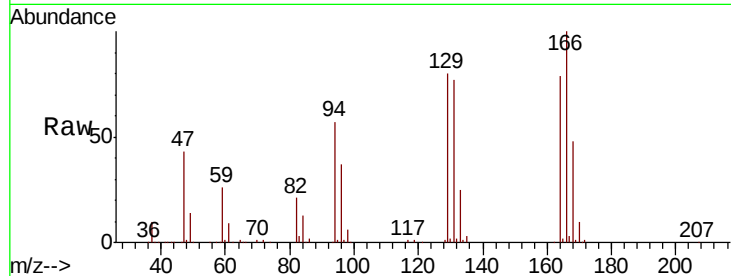
Ion Ratio Lower Upper

164 100

166 127.3 101.4 152.2

129 102.3 78.1 117.1

131 98.6 73.2 109.8

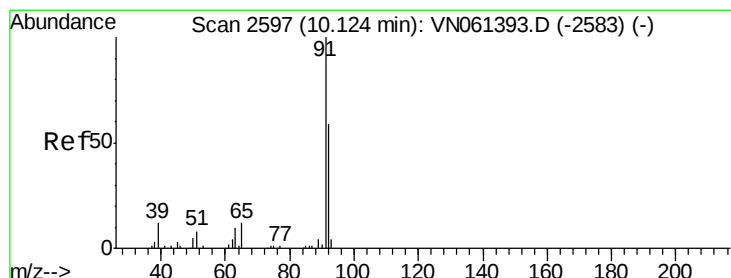
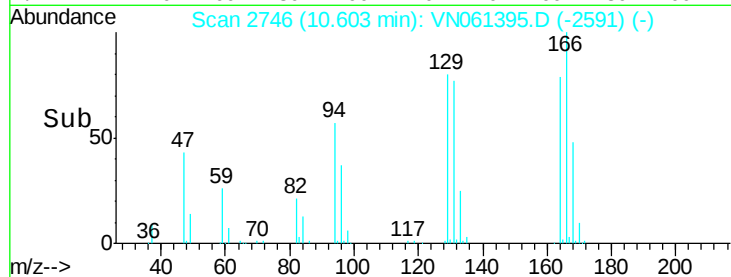
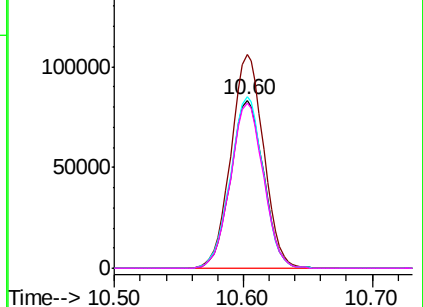


Abundance Ion 163.85 (163.55 to 164.55): V

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: 109.110 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061395.D

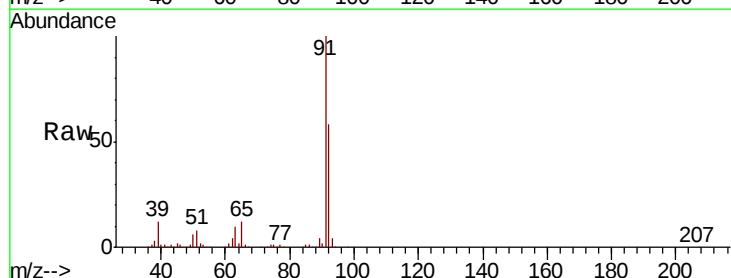
Acq: 14 May 2020 15:23

Tgt Ion: 91 Resp: 679906

Ion Ratio Lower Upper

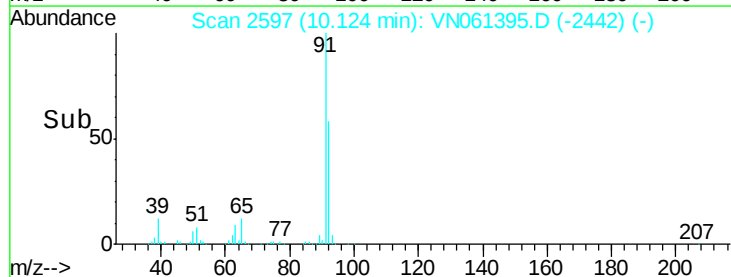
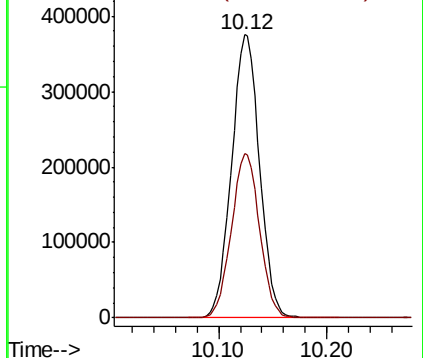
91 100

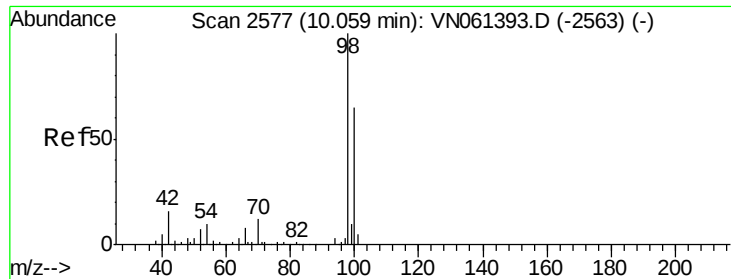
92 58.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.297 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

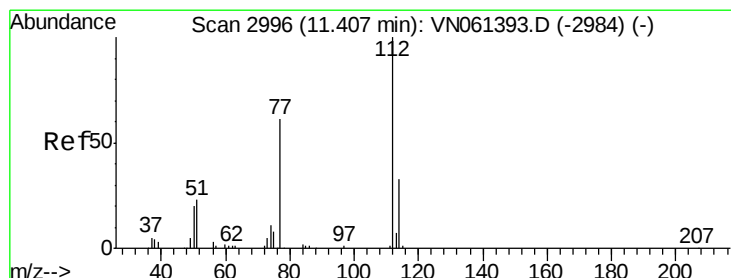
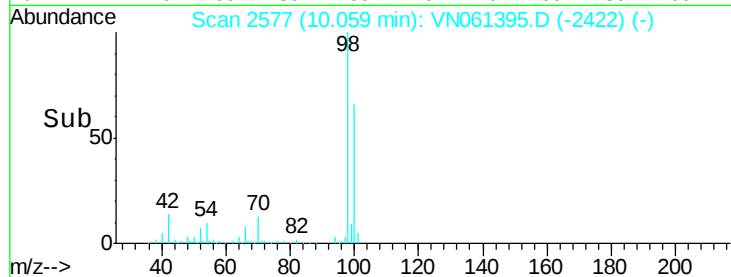
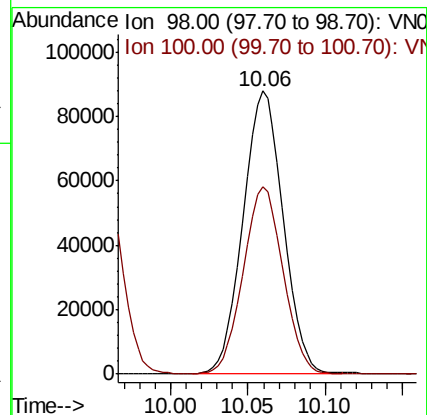
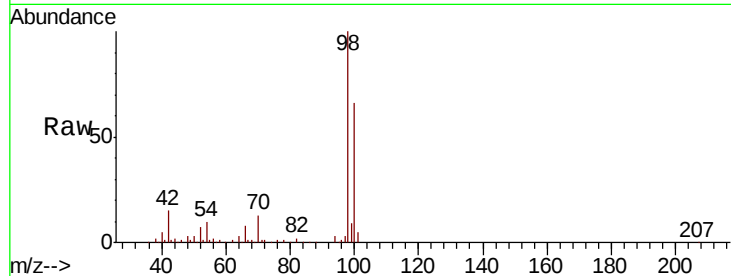
ClientSampled :

Tot Ion: 98 Resp: 159093

Ion Ratio Lower Upper

98 100

100 65.8 50.6 75.8



#64

Chlorobenzene

Concen: 106.248 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061395.D

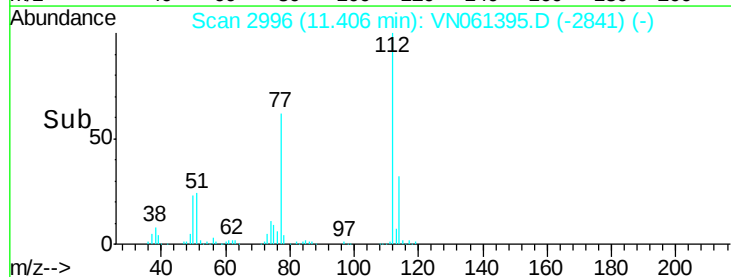
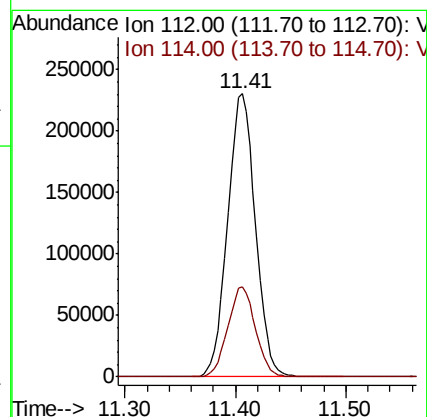
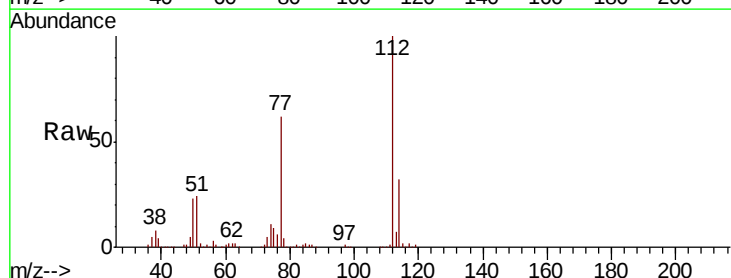
Acq: 14 May 2020 15:23

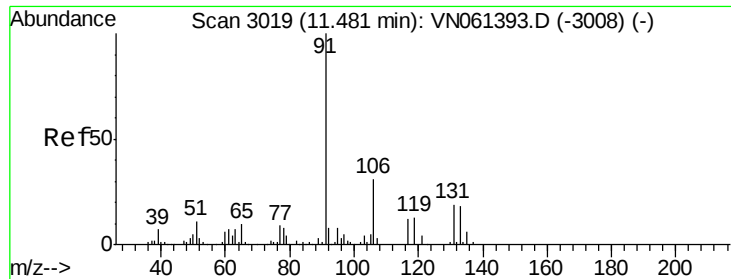
Tgt Ion: 112 Resp: 401804

Ion Ratio Lower Upper

112 100

114 31.8 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 105.474 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

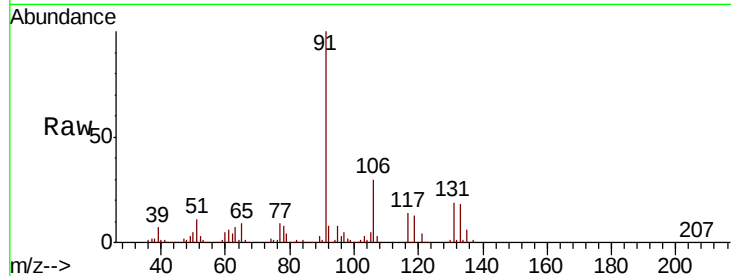
Tot Ion:131 Resp: 149077

Ion Ratio Lower Upper

131 100

133 95.2 0.0 194.0

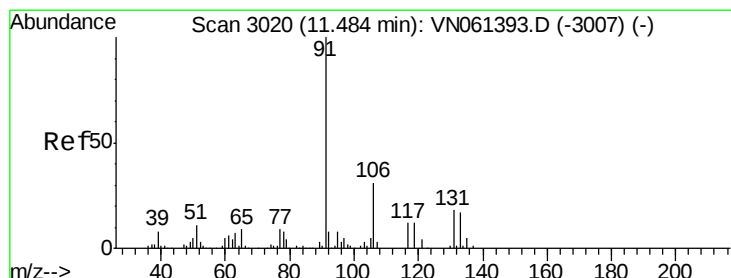
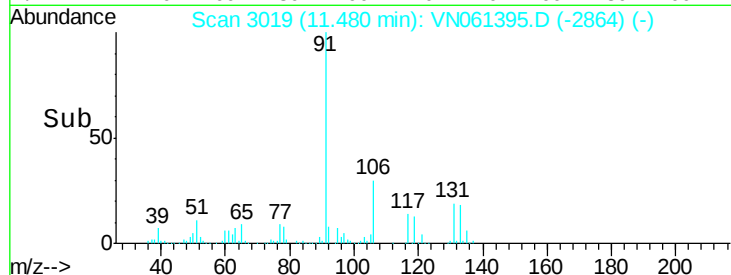
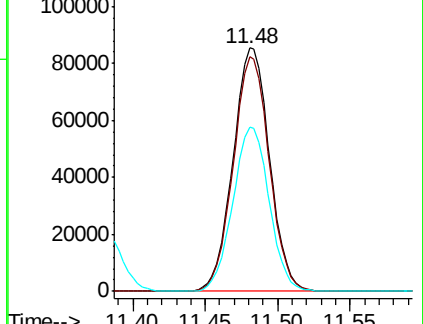
119 67.2 0.0 136.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 112.609 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN061395.D

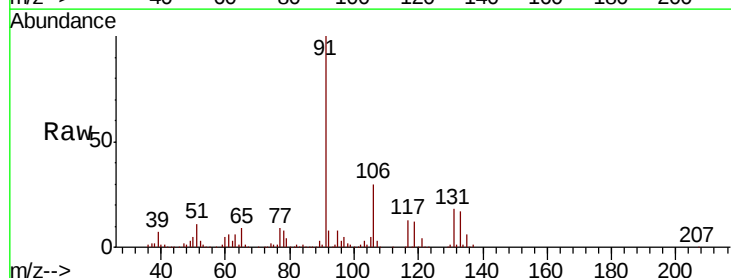
Acq: 14 May 2020 15:23

Tgt Ion: 91 Resp: 781344

Ion Ratio Lower Upper

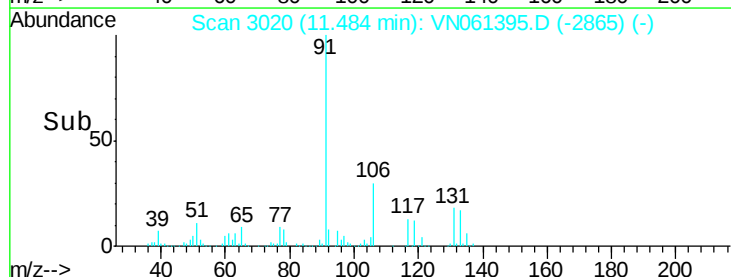
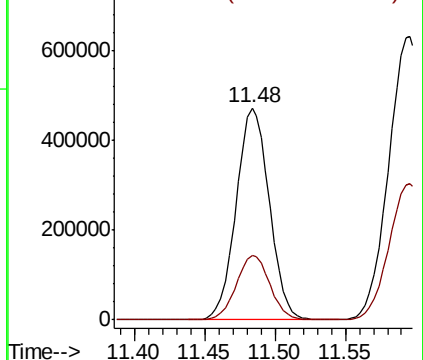
91 100

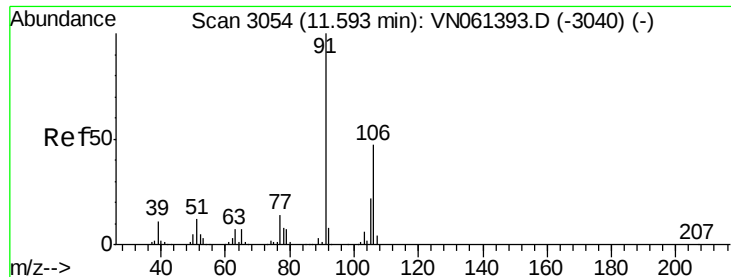
106 30.3 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 226.946 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

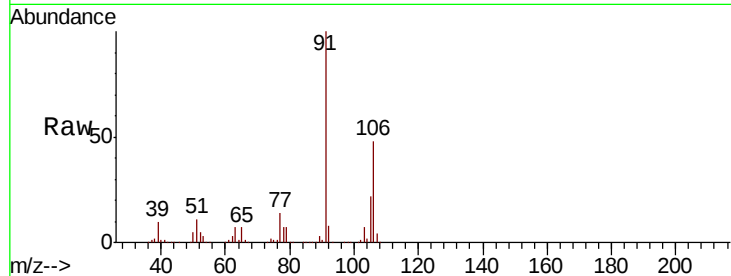
ClientSampled :

Tot Ion:106 Resp: 587135

Ion Ratio Lower Upper

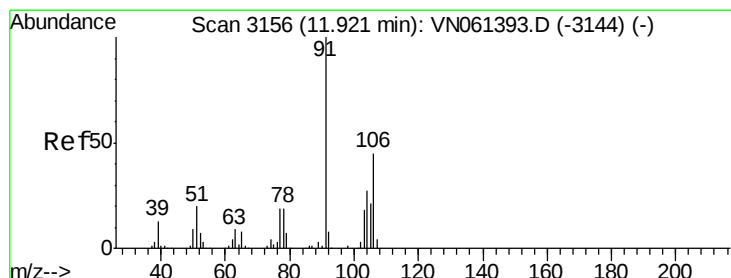
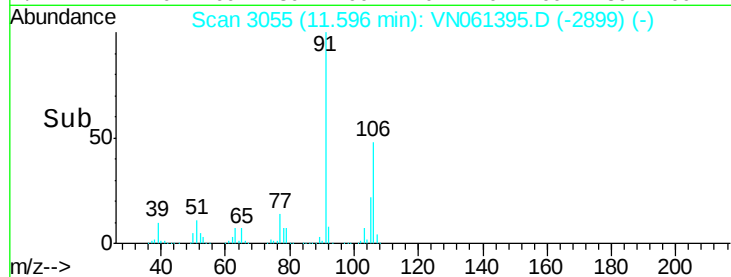
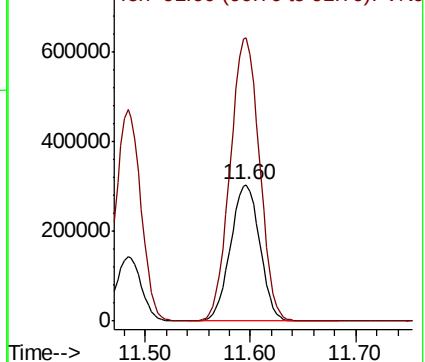
106 100

91 207.0 165.6 248.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 110.471 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN061395.D

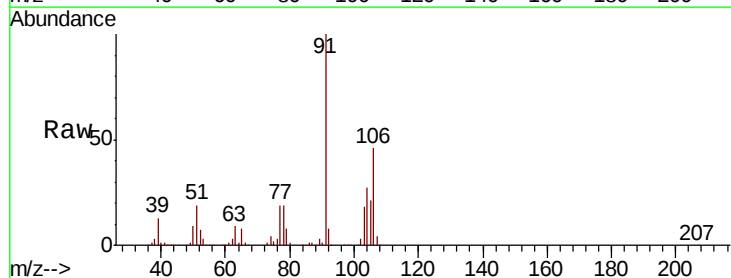
Acq: 14 May 2020 15:23

Tgt Ion:106 Resp: 277332

Ion Ratio Lower Upper

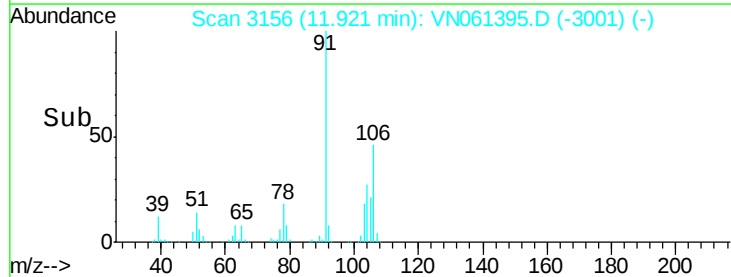
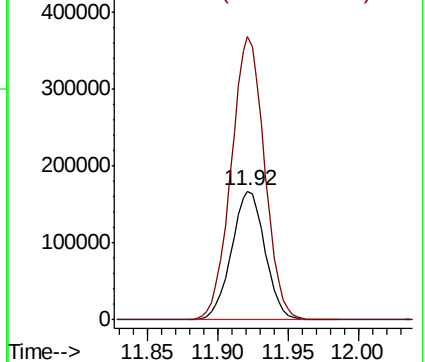
106 100

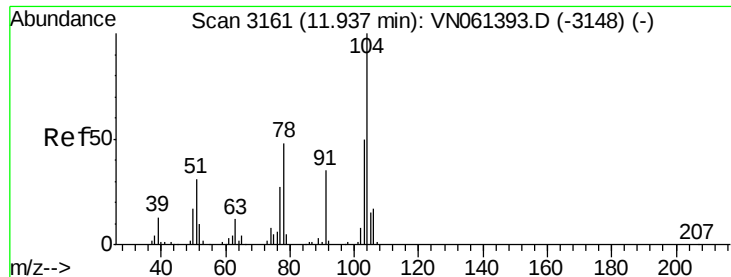
91 220.1 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

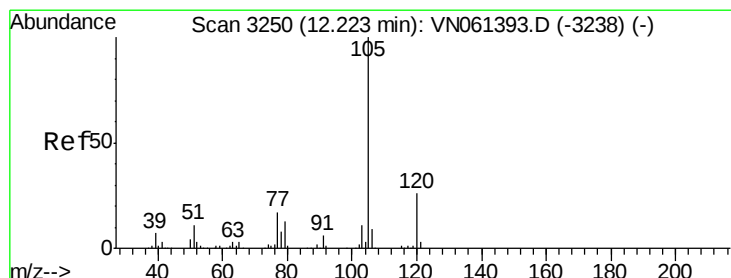
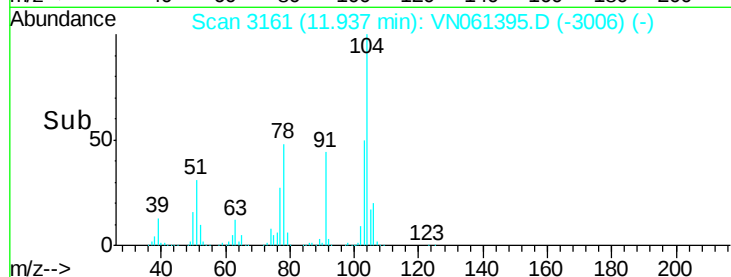
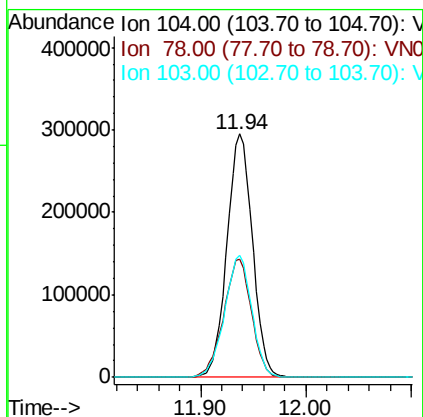
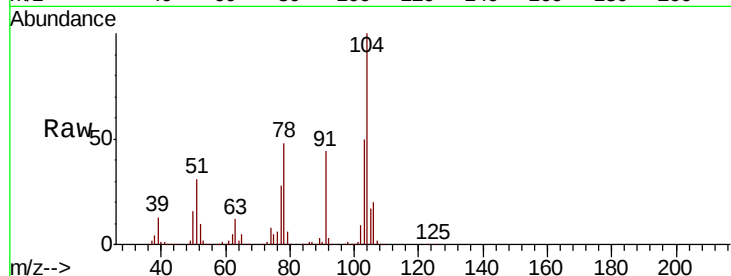




#69
Stvrene
Concen: 118.520 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

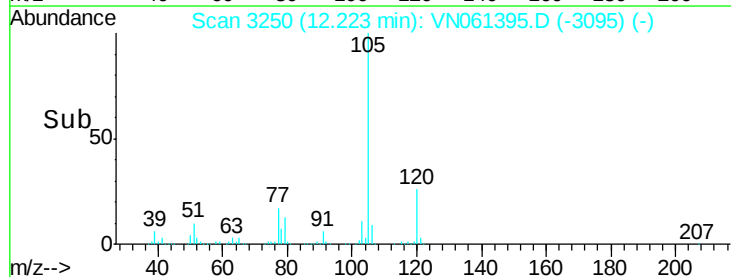
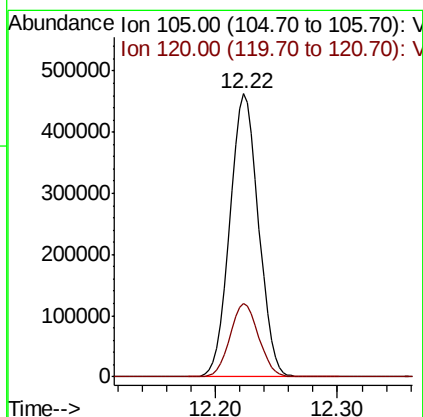
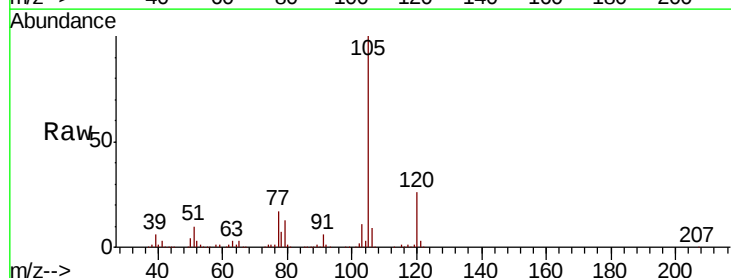
Instrument :
MSVOA_N
ClientSampleId :

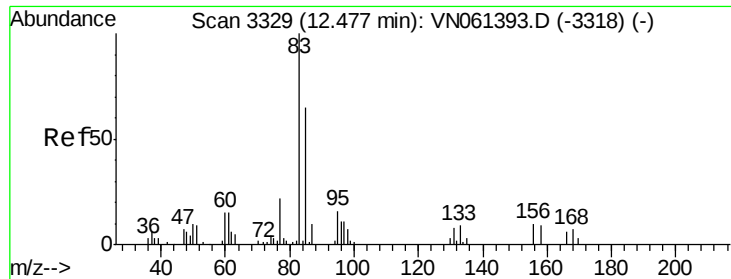
Tot Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.4	63.6
103	53.6	44.6	66.8



#70
Isopropylbenzene
Concen: 112.465 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.4	34.2

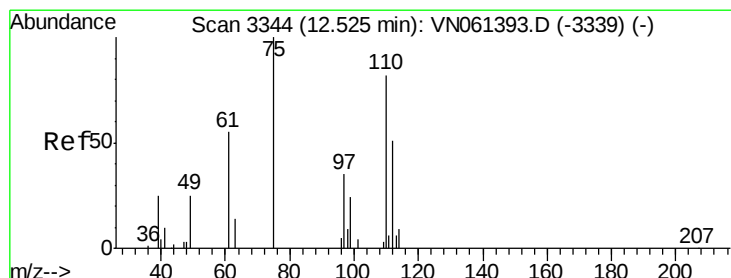
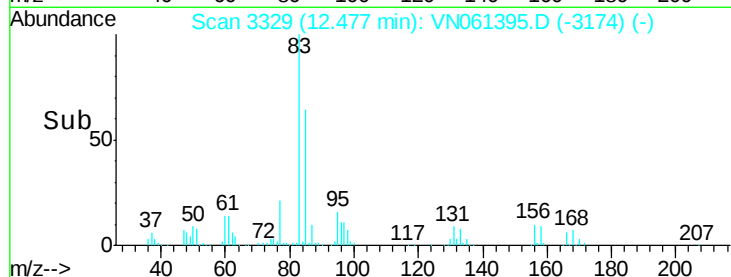
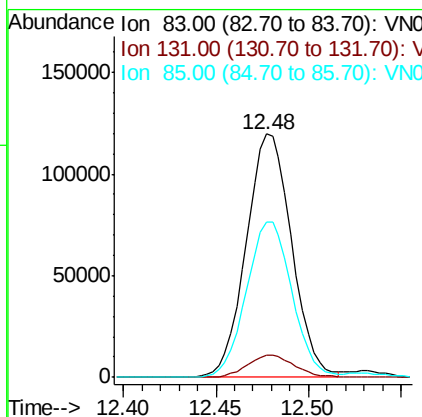
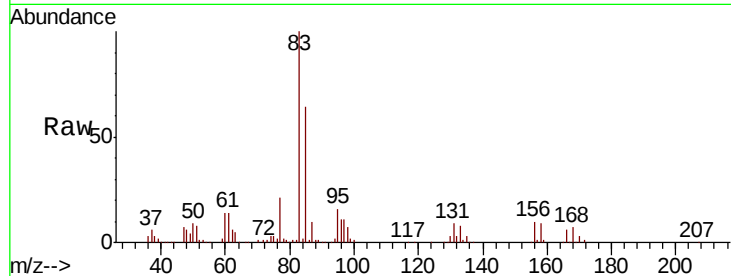




#71
 1,1,2,2-Tetrachloroethane
 Concen: 92.521 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

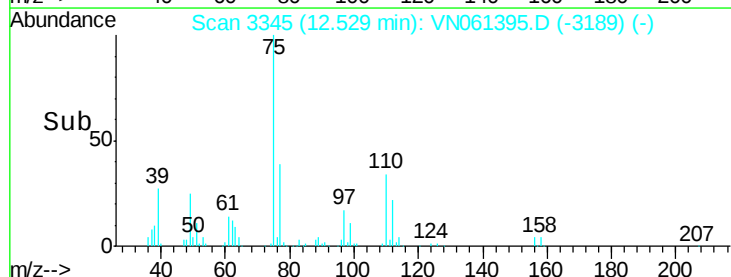
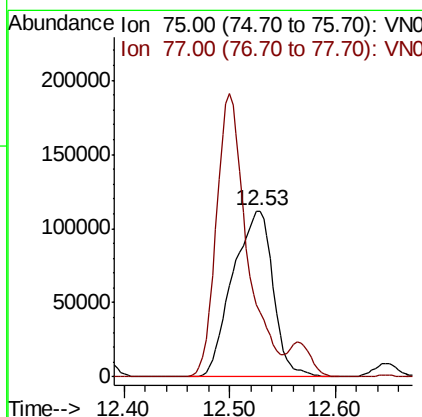
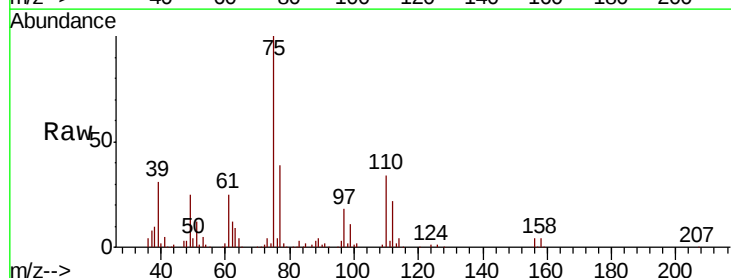
Instrument :
 MSVOA_N
 ClientSampleId :

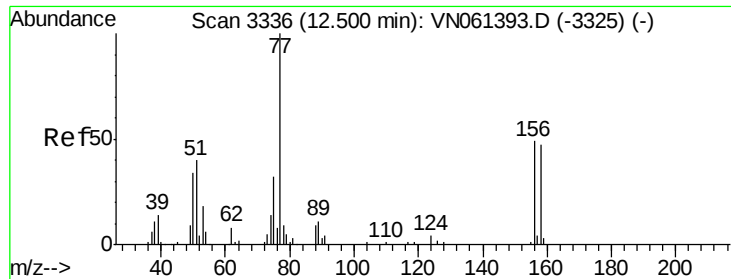
Tot Ion	83	Resp	203621
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.7
85	64.2	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 147.440 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	75	Resp	297832
Ion Ratio	Lower	Upper	
75	100		
77	129.6	0.0	359.4

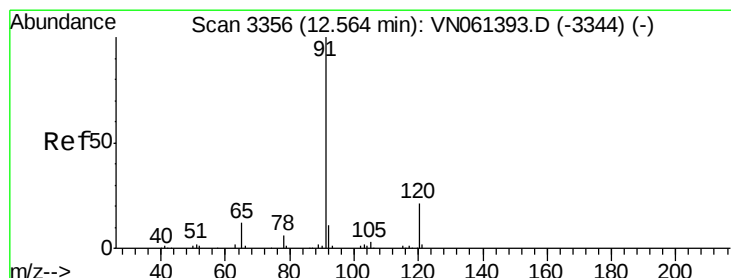
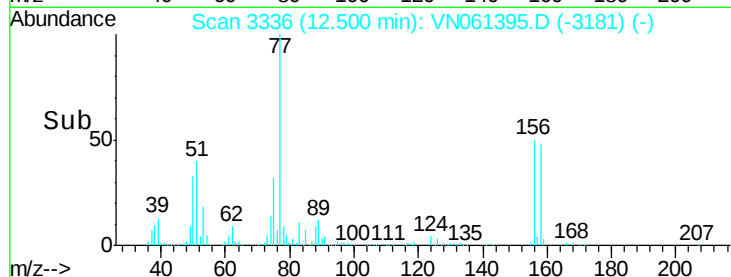
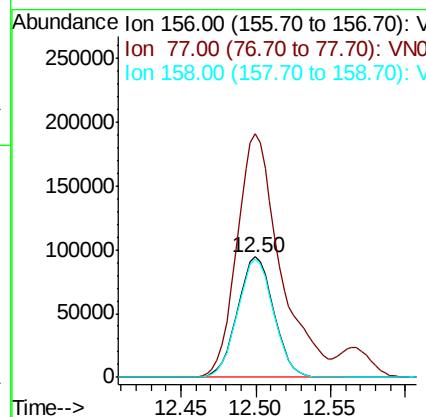
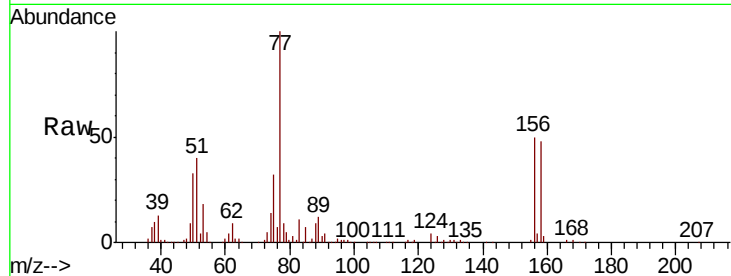




#73
Bromobenzene
Concen: 100.328 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

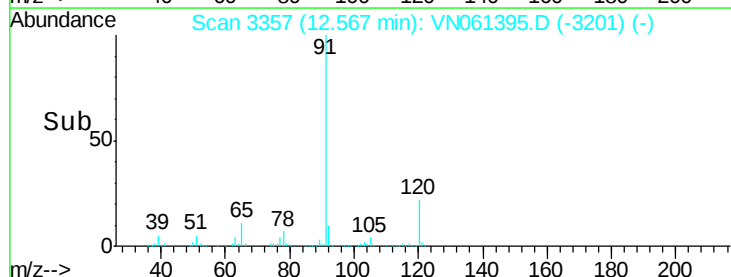
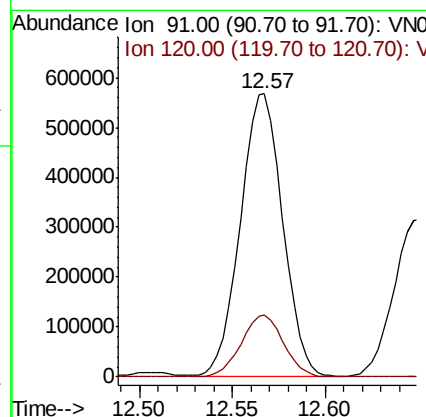
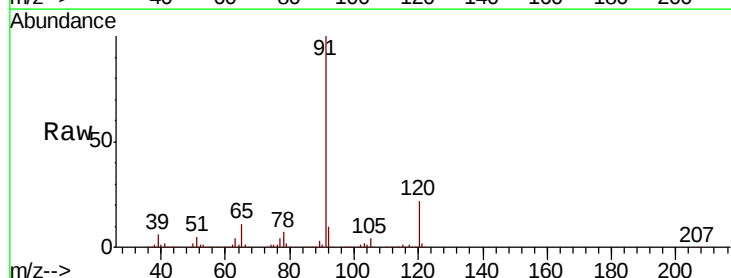
Instrument :
MSVOA_N
ClientSampled :

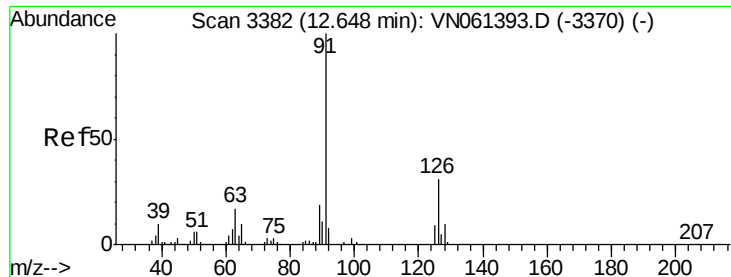
Tot Ion:156 Resp: 159490
Ion Ratio Lower Upper
156 100
77 242.0 0.0 456.0
158 97.4 0.0 195.4



#74
n-propylbenzene
Concen: 114.289 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion: 91 Resp: 902334
Ion Ratio Lower Upper
91 100
120 21.7 0.0 43.6





#75

2-Chlorotoluene

Concen: 109.335 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

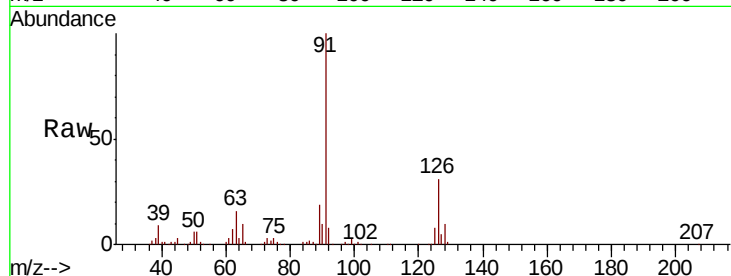
ClientSampleId :

Tot Ion: 91 Resp: 518032

Ion Ratio Lower Upper

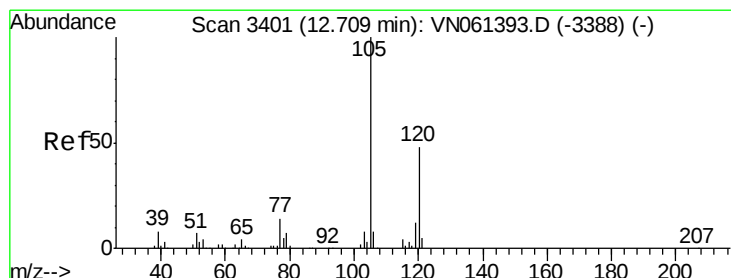
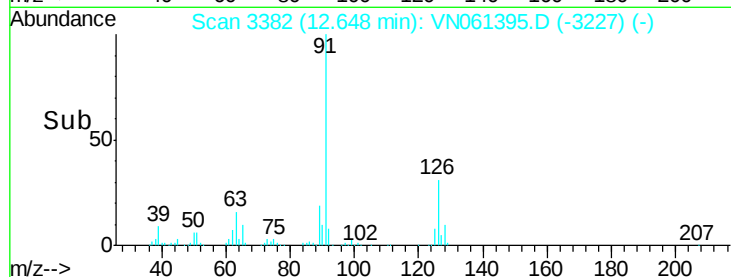
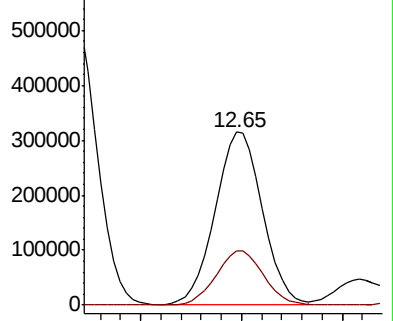
91 100

126 31.4 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: 110.933 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061395.D

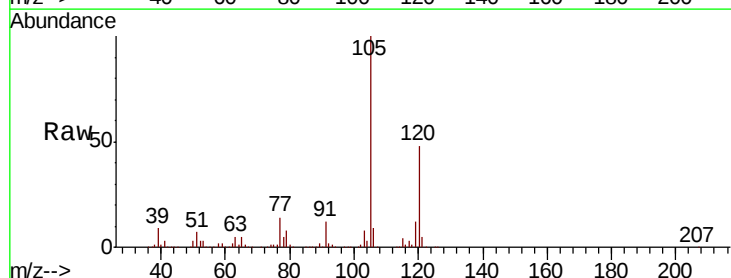
Acq: 14 May 2020 15:23

Tgt Ion:105 Resp: 638749

Ion Ratio Lower Upper

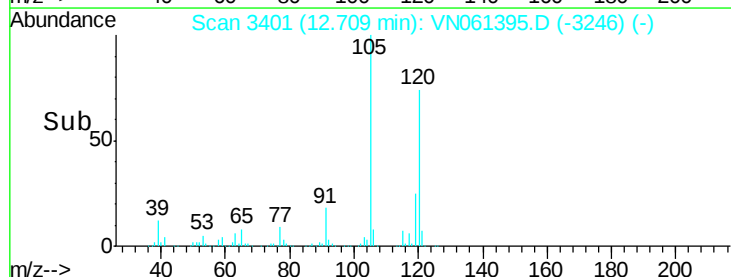
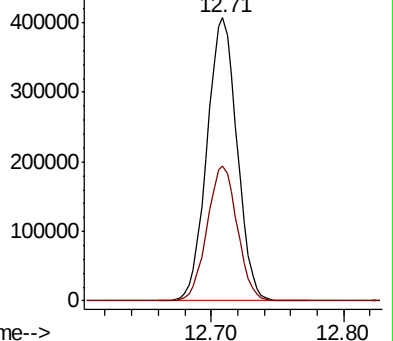
105 100

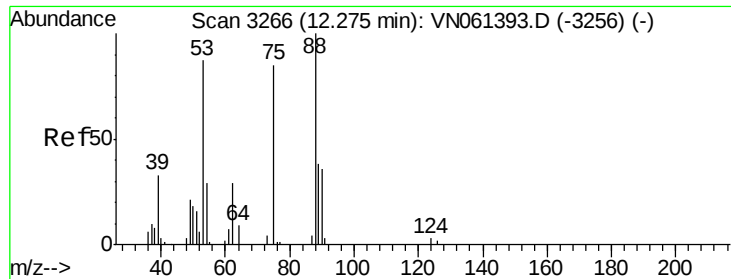
120 47.9 0.0 94.0



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: 108.787 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

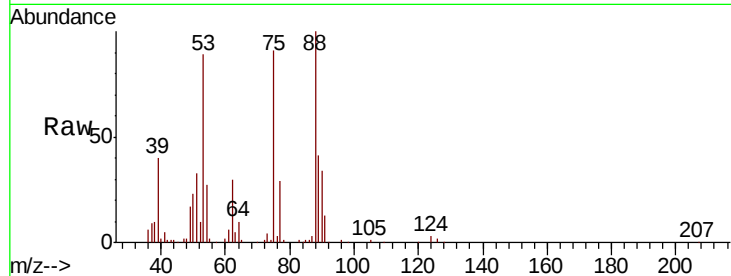
Tot Ion: 75 Resp: 84962

Ion Ratio Lower Upper

75 100

53 97.8 50.0 150.0

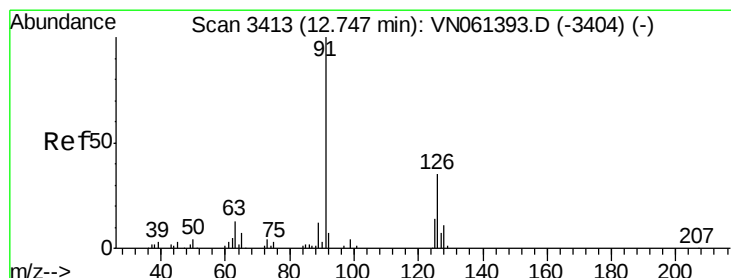
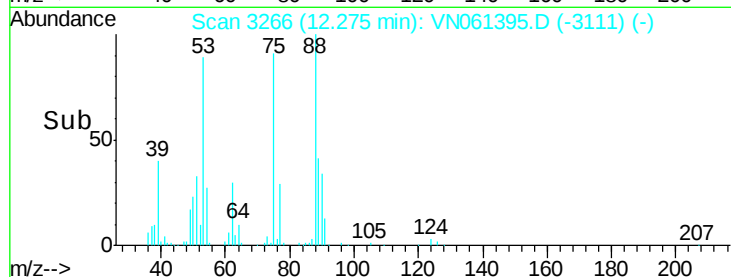
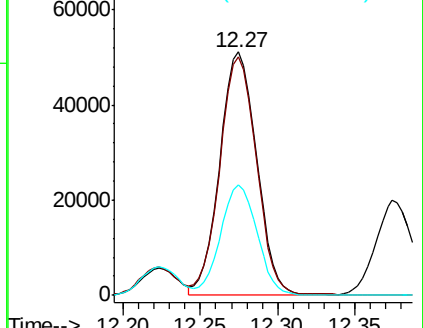
89 45.5 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN061393.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061393.D (-3256) (-)

Ion 89.00 (88.70 to 89.70): VN061393.D (-3256) (-)



#78

4-Chlorotoluene

Concen: 112.101 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061395.D

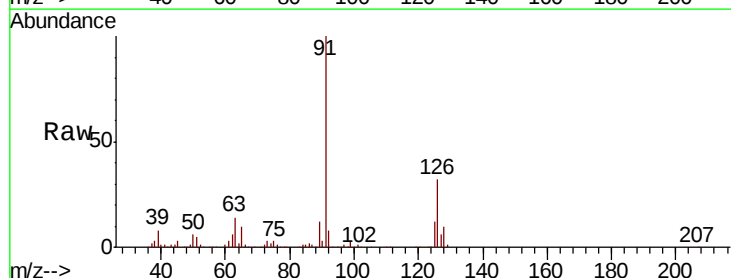
Acq: 14 May 2020 15:23

Tgt Ion: 91 Resp: 548576

Ion Ratio Lower Upper

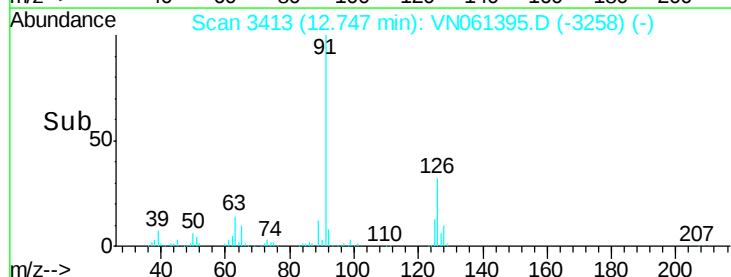
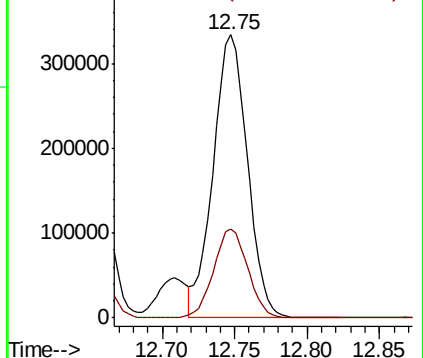
91 100

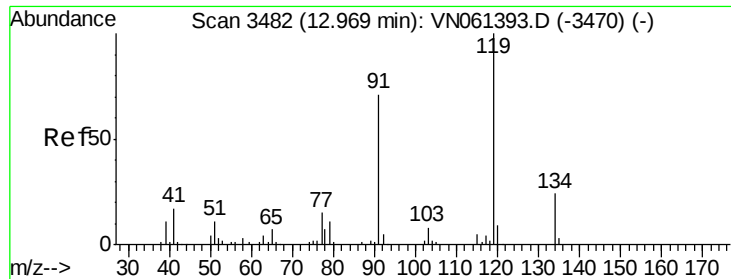
126 31.4 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VN061393.D (-3404) (-)

Ion 126.00 (125.70 to 126.70): VN061393.D (-3404) (-)

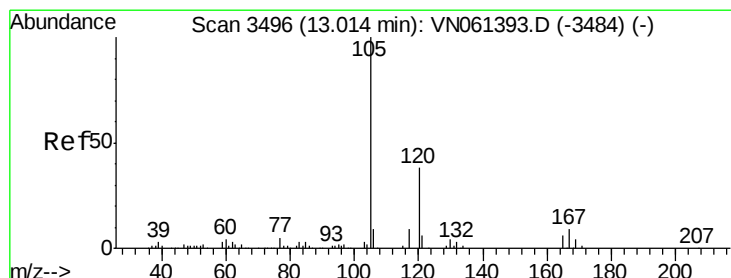
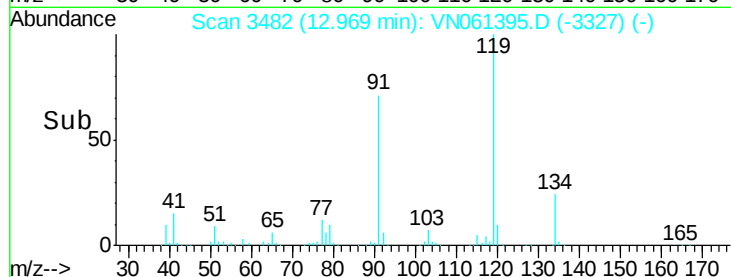
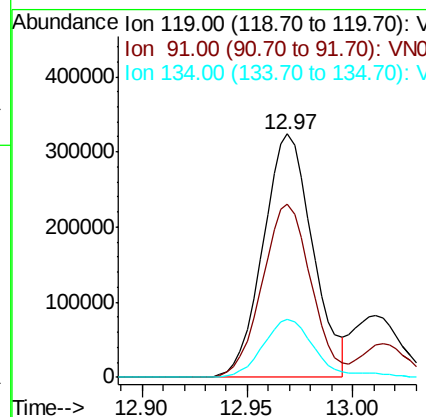
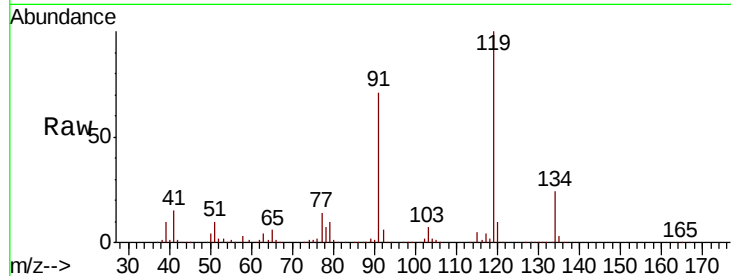




#79
tert-butylbenzene
Concen: 108.214 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

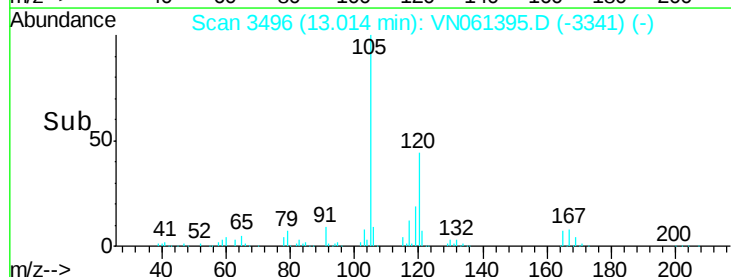
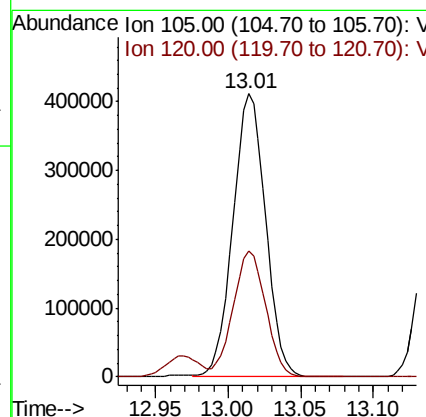
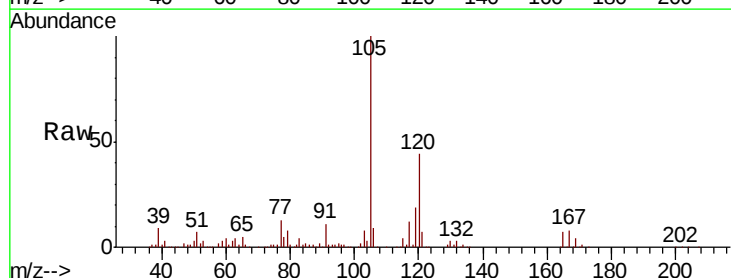
Instrument :
MSVOA_N
ClientSampled :

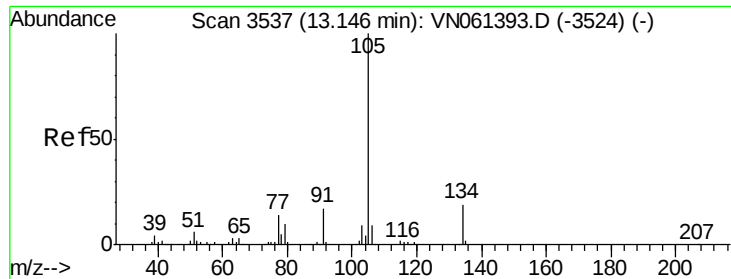
Tot Ion:119 Resp: 530118
Ion Ratio Lower Upper
119 100
91 70.4 0.0 136.4
134 24.0 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 112.104 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion:105 Resp: 640103
Ion Ratio Lower Upper
105 100
120 44.8 0.0 89.2

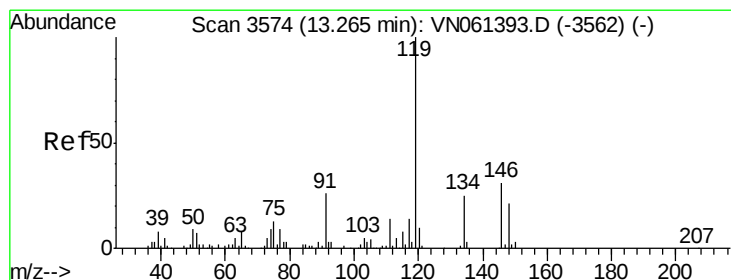
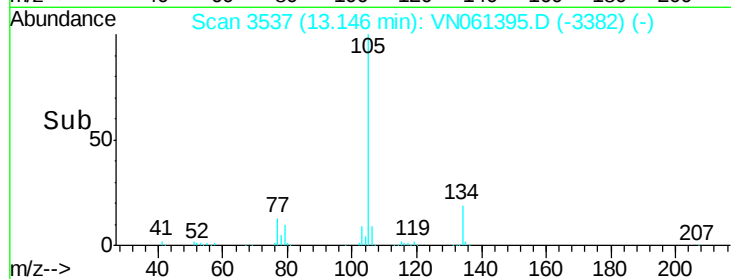
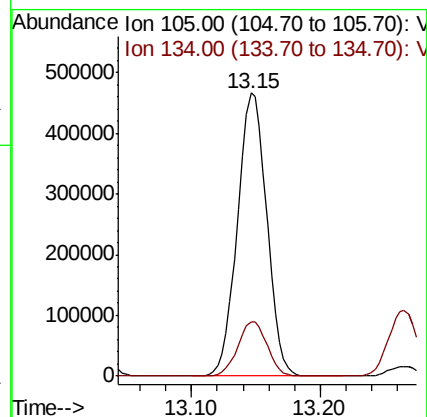
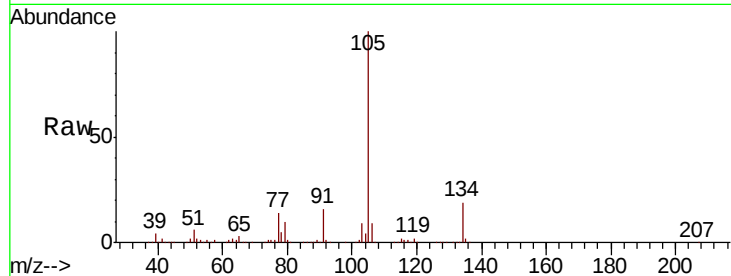




#81
 sec-Butylbenzene
 Concen: 111.399 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

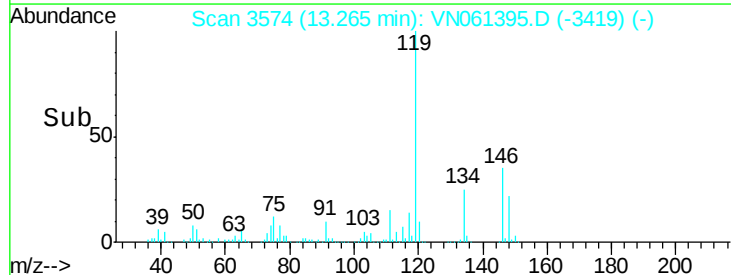
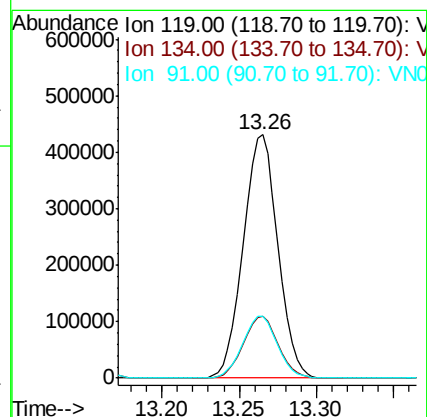
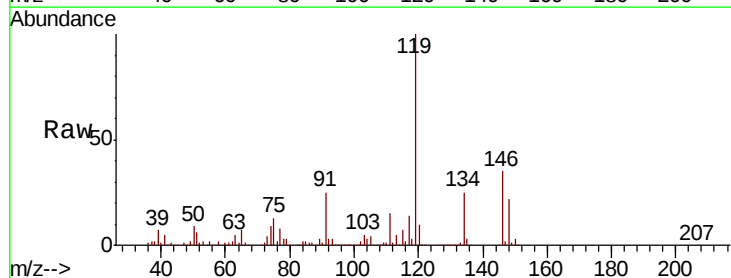
Instrument :
 MSVOA_N
 ClientSampled :

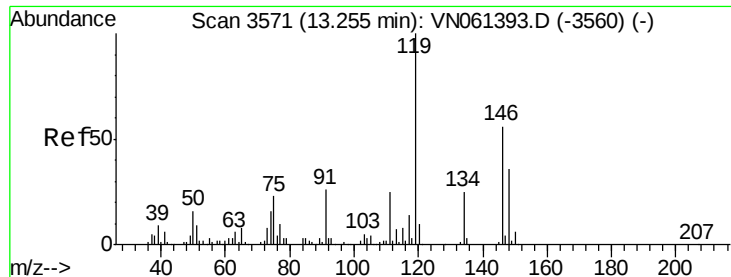
Tot Ion:105 Resp: 736972
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 38.0



#82
 p-Isopropyltoluene
 Concen: 112.787 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion:119 Resp: 670389
 Ion Ratio Lower Upper
 119 100
 134 25.5 0.0 50.8
 91 25.4 0.0 49.4

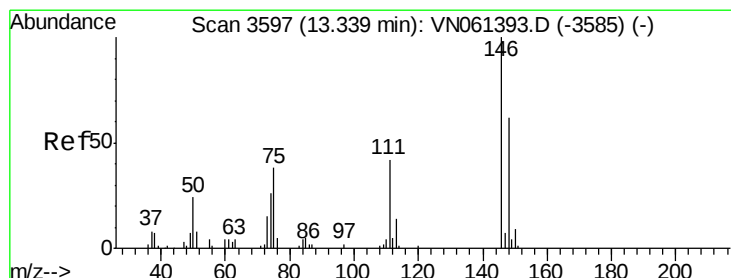
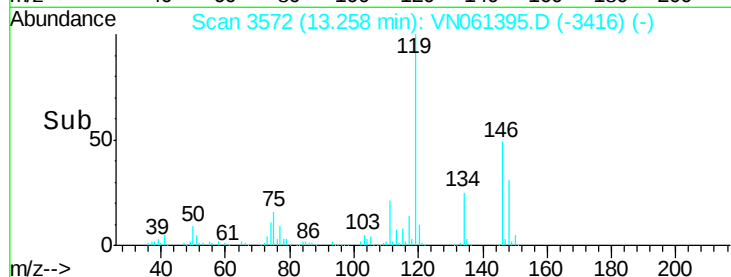
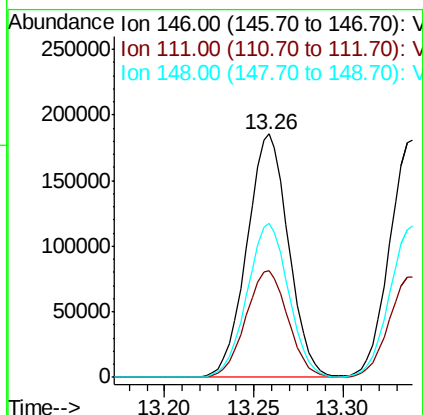
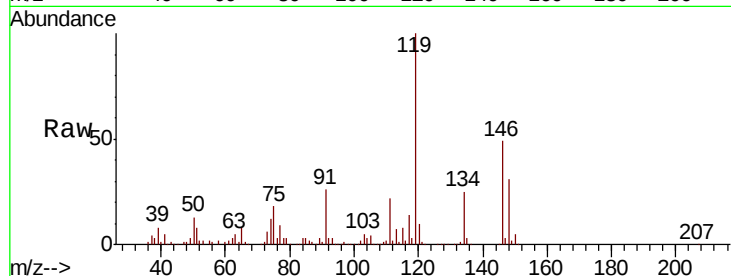




#83
 1,3-Dichlorobenzene
 Concen: 104.736 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

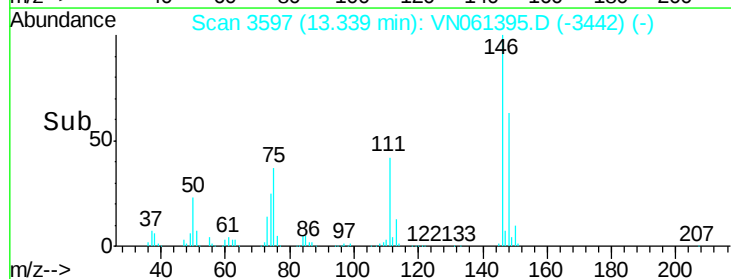
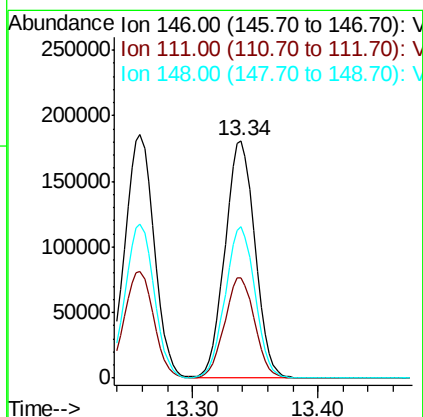
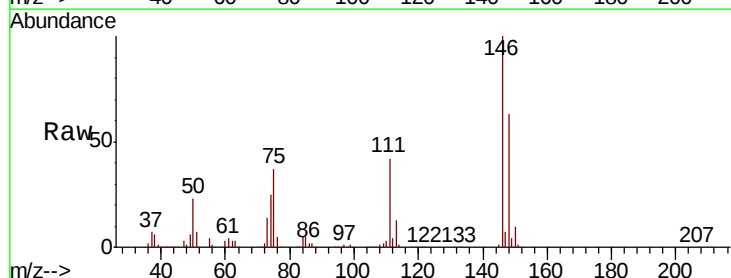
Instrument :
 MSVOA_N
 ClientSampled :

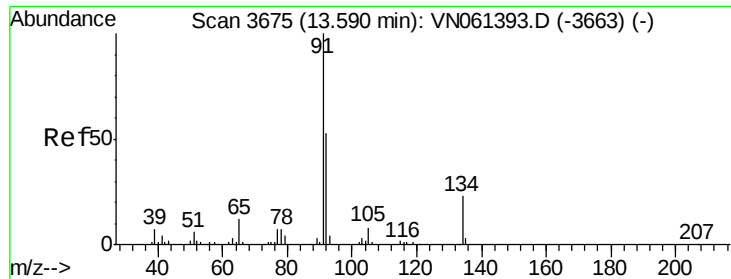
Tot Ion:146 Resp: 302216
 Ion Ratio Lower Upper
 146 100
 111 44.5 21.0 63.0
 148 63.2 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 103.932 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion:146 Resp: 299688
 Ion Ratio Lower Upper
 146 100
 111 42.1 19.8 59.4
 148 63.3 31.6 94.8

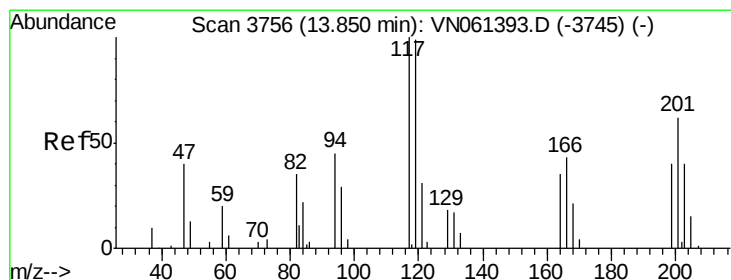
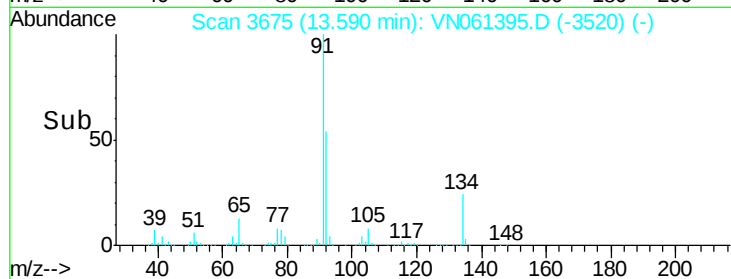
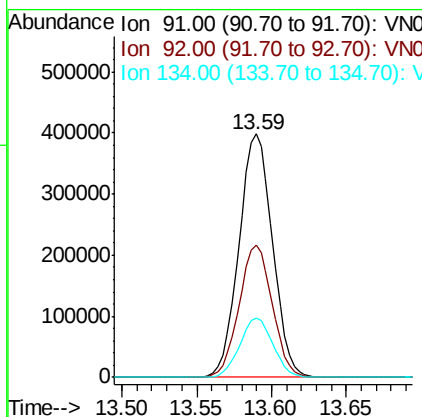
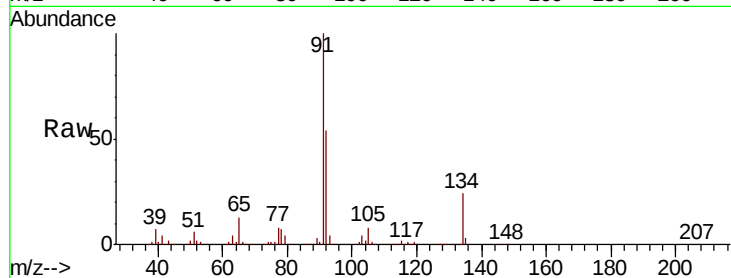




#85
n-Butylbenzene
Concen: 113.125 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

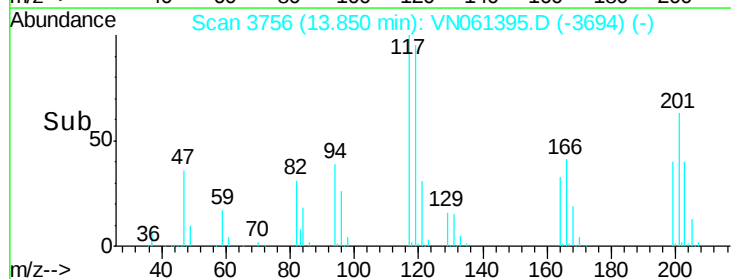
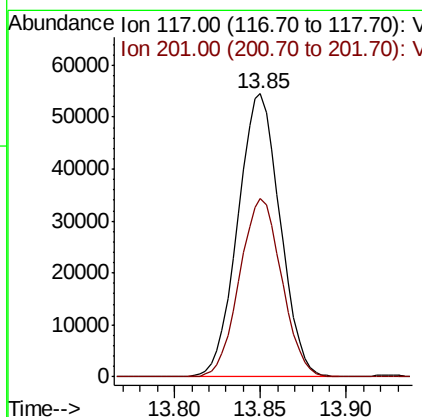
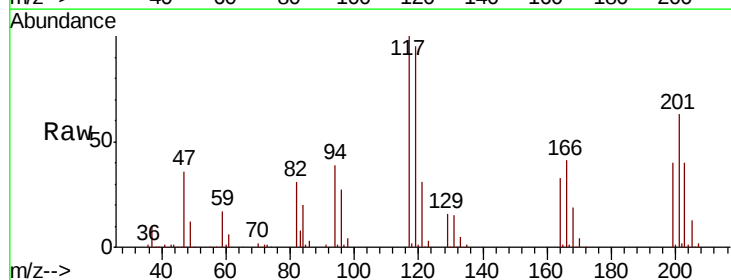
Instrument :
MSVOA_N
ClientSampled :

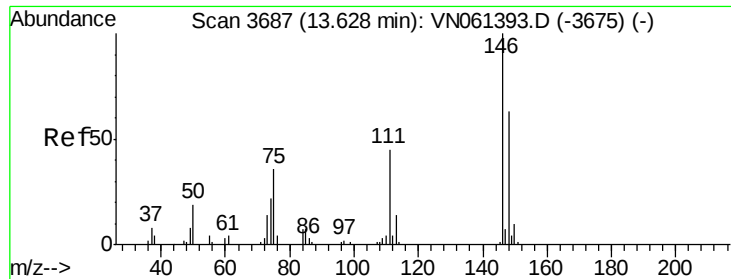
Tot Ion: 91 Resp: 620334
Ion Ratio Lower Upper
91 100
92 53.7 0.0 102.8
134 24.3 0.0 48.6



#86
Hexachloroethane
Concen: 90.683 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061395.D
Acq: 14 May 2020 15:23

Tgt Ion: 117 Resp: 93219
Ion Ratio Lower Upper
117 100
201 62.6 38.7 116.1

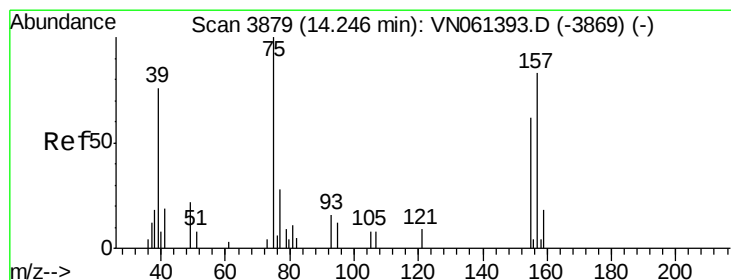
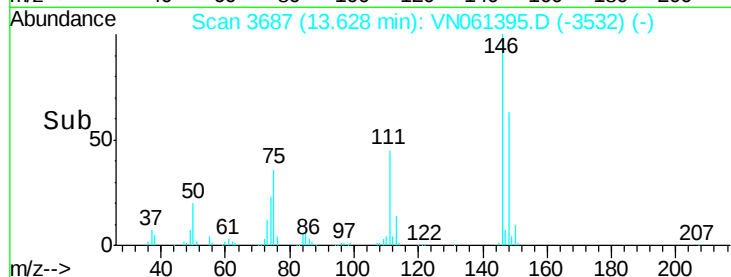
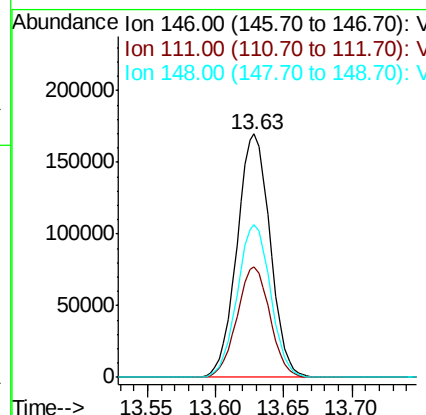
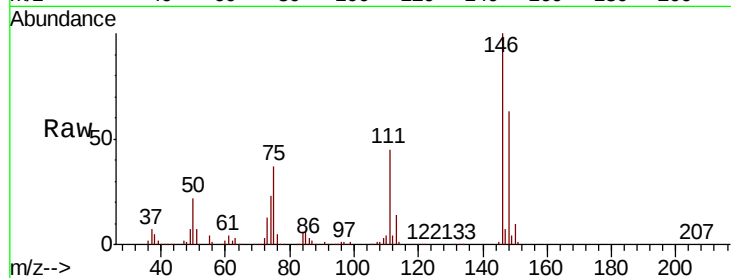




#87
 1,2-Dichlorobenzene
 Concen: 100.793 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

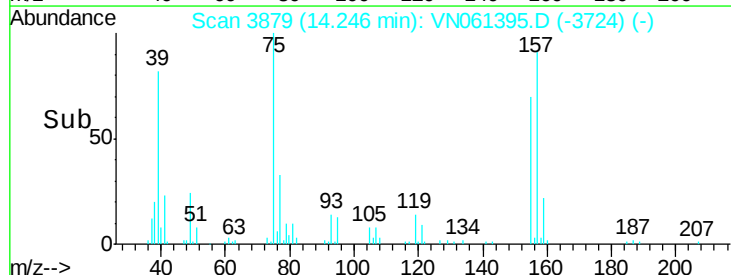
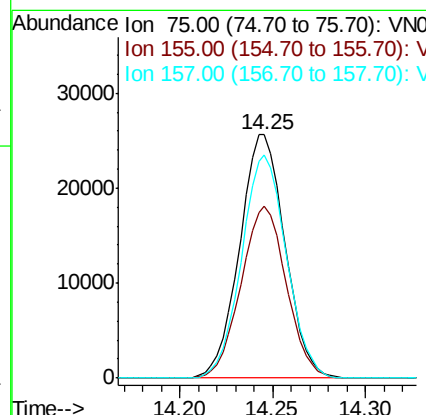
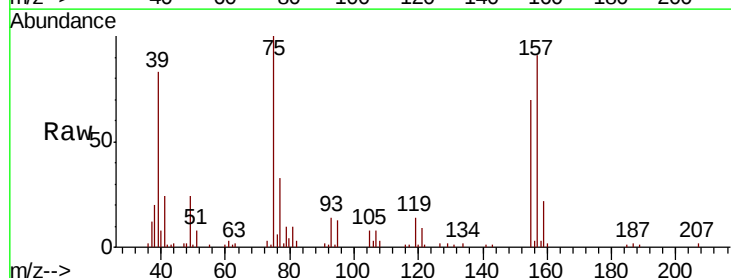
Instrument :
 MSVOA_N
 ClientSampleId :

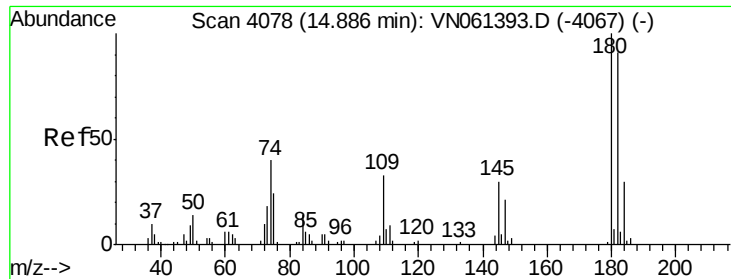
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.8	65.4
148	62.9	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 89.112 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.3	58.3	87.5
157	90.2	75.0	112.6

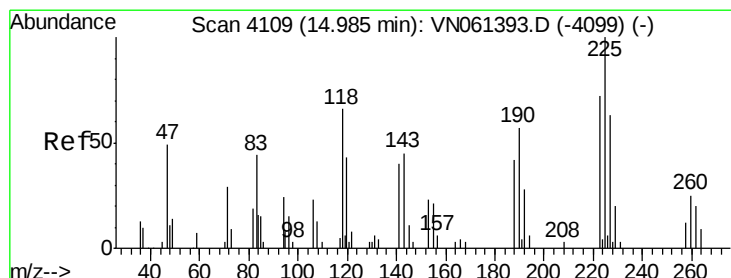
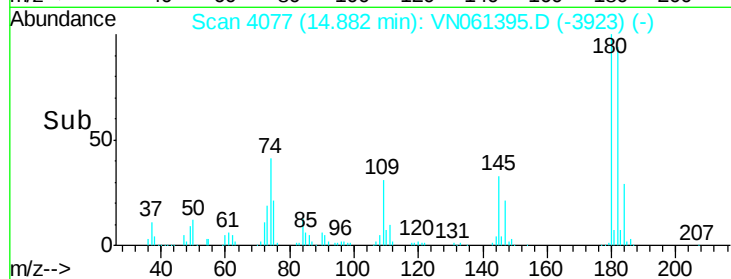
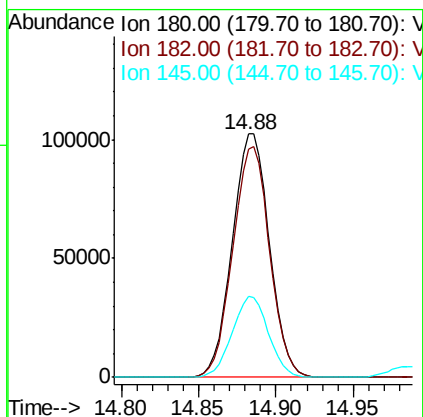
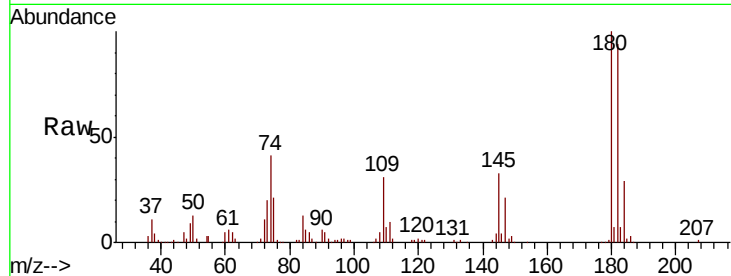




#89
 1,2,4-Trichlorobenzene
 Concen: 96.007 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

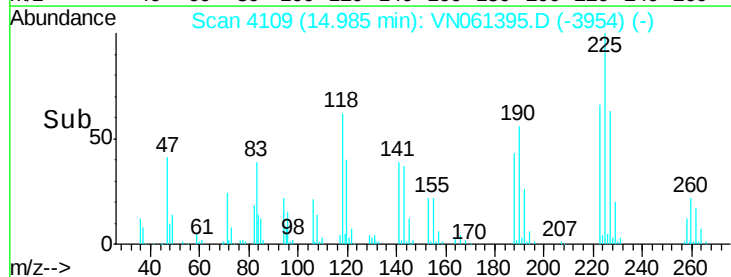
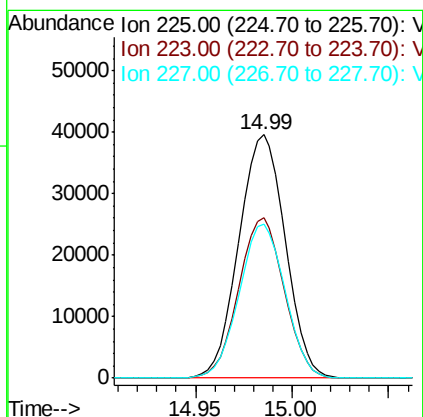
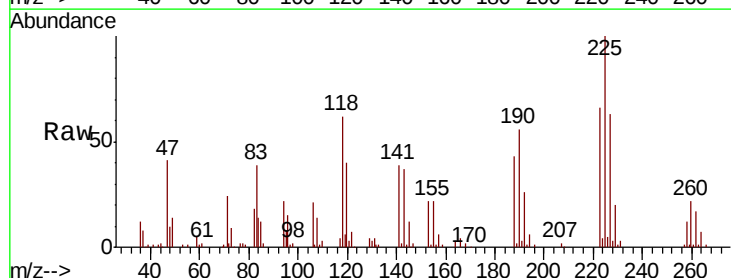
Instrument :
 MSVOA_N
 ClientSampled :

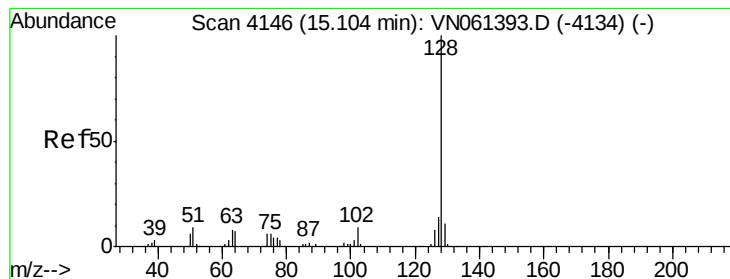
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.3	112.9
145	32.5	24.8	37.2



#90
 Hexachlorobutadiene
 Concen: 75.257 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061395.D
 Acq: 14 May 2020 15:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	0.0	126.2
227	62.4	0.0	127.0





#91

Naphthalene

Concen: 101.365 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

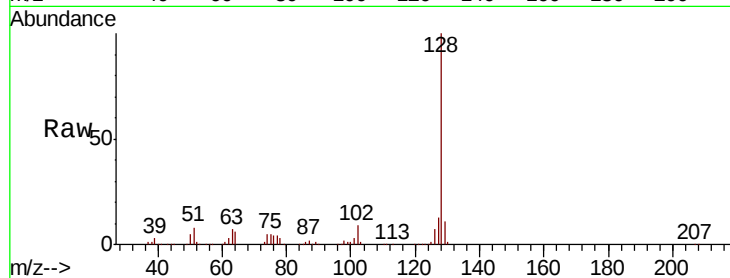
Tot Ion:128 Resp: 534393

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

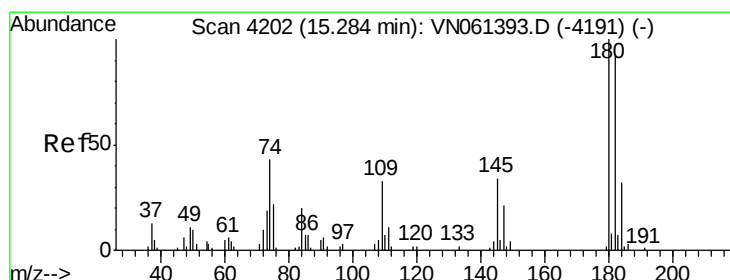
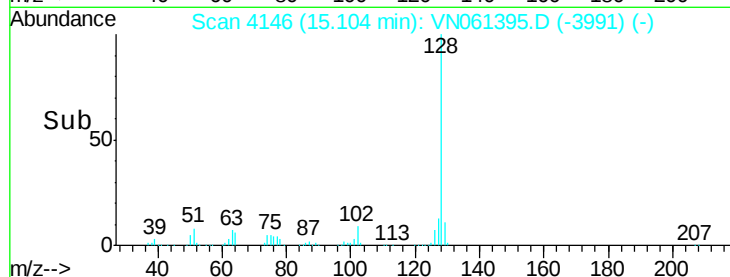
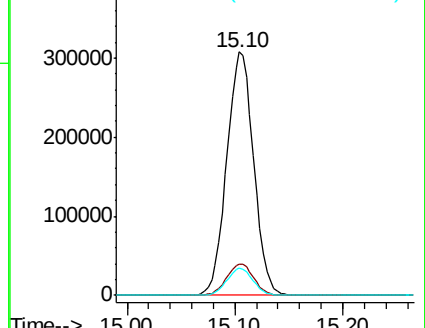
129 10.9 8.6 13.0



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: 94.669 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061395.D

Acq: 14 May 2020 15:23

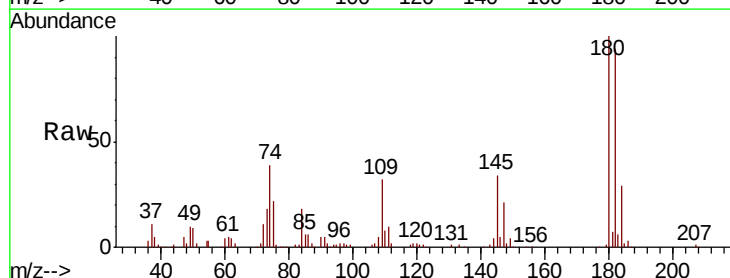
Tgt Ion:180 Resp: 163094

Ion Ratio Lower Upper

180 100

182 94.1 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

