

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061397.D
 Acq On : 14 May 2020 16:21
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 14 16:52:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	22242	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	129665	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	116550	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	58653	29.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.17%
60) 4-Bromofluorobenzene	12.37	95	58663	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	10.06	98	164861	30.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	22879	22.592	ug/l 99
3) Chloromethane	2.03	50	36585	19.758	ug/l 96
4) Vinyl Chloride	2.16	62	47105	18.978	ug/l 97
5) Bromomethane	2.54	94	24199	19.194	ug/l 96
6) Chloroethane	2.68	64	31037	18.481	ug/l 99
7) Trichlorofluoromethane	2.98	101	51301	19.312	ug/l 99
8) Diethyl Ether	3.37	74	17715	20.967	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	24271	21.389	ug/l 97
10) 1,1-Dichloroethene	3.70	96	25378	21.242	ug/l 99
11) Methyl Iodide	3.91	142	28292	21.881	ug/l 99
12) Methyl Acetate	4.28	43	28343	19.534	ug/l 98
13) Acrolein	3.56	56	24377	99.782	ug/l 98
14) Acrylonitrile	4.93	53	66522	97.673	ug/l 99
15) Acetone	3.77	58	19005	116.203	ug/l 94
16) Carbon Disulfide	4.01	76	80623	24.006	ug/l 100
17) Allyl chloride	4.27	41	51146	21.269	ug/l 98
18) Methylene Chloride	4.50	84	28997	20.112	ug/l 98
19) trans-1,2-Dichloroethene	4.98	96	29164	20.511	ug/l 91
20) Diisopropyl ether	5.90	45	105823	18.904	ug/l 94
21) 1,1-Dichloroethane	5.79	63	56997	19.498	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	32093	19.250	ug/l 95
23) tert-Butyl Alcohol	4.72	59	22095	101.207	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	95666	19.731	ug/l 98
25) Chloroform	7.33	83	55123	19.453	ug/l 94
26) Cyclohexane	7.61	56	54302	19.454	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	44221	19.434	ug/l 99
30) 2-Butanone	6.78	43	94727	98.416	ug/l 99
31) 2,2-Dichloropropane	6.77	77	52471	19.739	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	50079	19.671	ug/l 99
33) Carbon Tetrachloride	7.73	117	38151	19.523	ug/l 99
34) Benzene	8.00	78	125038	19.424	ug/l 99
35) Methacrylonitrile	7.12	41	15445	15.998	ug/l 82
36) 1,2-Dichloroethane	8.08	62	48340	19.562	ug/l 100
37) Trichloroethene	8.80	130	31574	19.920	ug/l 98
38) Methylcyclohexane	9.05	83	53598	19.622	ug/l 97
39) 1,2-Dichloropropane	9.08	63	33225	18.774	ug/l 98
40) Dibromomethane	9.17	93	21211	19.405	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	45991	19.395	ug/l	98
42) Vinyl Acetate	5.84	43	434633	95.087	ug/l	99
43) Ethyl Acetate	6.88	43	39391	19.160	ug/l #	91
44) Isopropyl Acetate	8.12	43	72972	18.281	ug/l #	90
45) 1,4-Dioxane	9.16	88	7736	491.084	ug/l	97
46) Methyl methacrylate	9.16	41	34064	18.147	ug/l	96
47) n-amyl Acetate	12.04	43	65438	18.379	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	53133	18.988	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	55901	18.886	ug/l	94
50) 1,1,2-Trichloroethane	10.53	97	28143	18.621	ug/l	96
51) Ethyl methacrylate	10.40	69	48618	18.672	ug/l	95
52) 1,3-Dichloropropane	10.68	76	53063	19.228	ug/l	100
53) Dibromochloromethane	10.87	129	30818	18.610	ug/l	100
54) 1,2-Dibromoethane	10.98	107	29249	18.756	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	99694	86.513	ug/l	99
56) Bromoform	12.10	173	19118	18.357	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	201888	95.058	ug/l	99
59) 2-Hexanone	10.72	43	147570	98.231	ug/l	99
61) Tetrachloroethene	10.60	164	28711	19.699	ug/l	96
62) Toluene	10.12	91	131848	19.510	ug/l	98
64) Chlorobenzene	11.41	112	78109	19.528	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	28242	19.323	ug/l	99
66) Ethyl Benzene	11.48	91	149285	19.249	ug/l	99
67) m/p-Xylenes	11.59	106	110231	38.489	ug/l	99
68) o-Xylene	11.92	106	53222	19.472	ug/l	99
69) Styrene	11.94	104	90233	19.185	ug/l	98
70) Isopropylbenzene	12.22	105	142875	19.292	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	39143	19.132	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	55414	28.397	ug/l	66
73) Bromobenzene	12.50	156	29530	19.197	ug/l	92
74) n-propylbenzene	12.56	91	169646	19.266	ug/l	100
75) 2-Chlorotoluene	12.65	91	98925	19.591	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	119555	19.237	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	15197	18.712	ug/l	96
78) 4-Chlorotoluene	12.75	91	103675	19.607	ug/l	98
79) tert-butylbenzene	12.97	119	98143	19.010	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	120765	19.467	ug/l	99
81) sec-Butylbenzene	13.15	105	139175	19.568	ug/l	100
82) p-Isopropyltoluene	13.27	119	123827	19.334	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	55235	19.320	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	55978	19.784	ug/l	96
85) n-Butylbenzene	13.59	91	119943	20.229	ug/l	98
86) Hexachloroethane	13.85	117	18246	20.437	ug/l	81
87) 1,2-Dichlorobenzene	13.63	146	52713	19.437	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	8557	19.624	ug/l	93
89) 1,2,4-Trichlorobenzene	14.89	180	33387	21.428	ug/l	99
90) Hexachlorobutadiene	14.99	225	14530	22.892	ug/l	99
91) Naphthalene	15.10	128	107796	21.996	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	31787	21.005	ug/l	99

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QLast Update : Thu May 14 16:04:10 2020
Response via : Initial Calibration

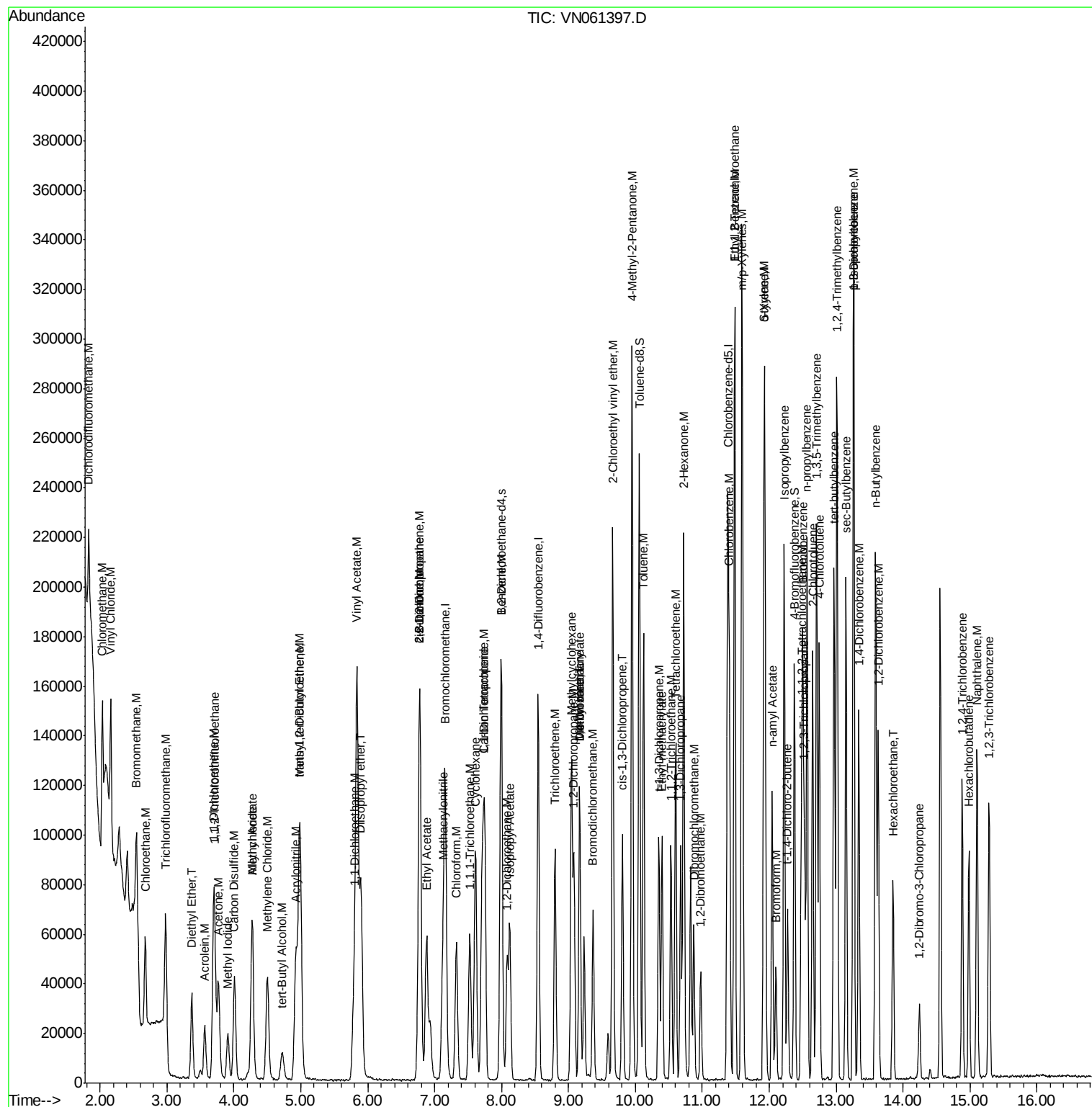
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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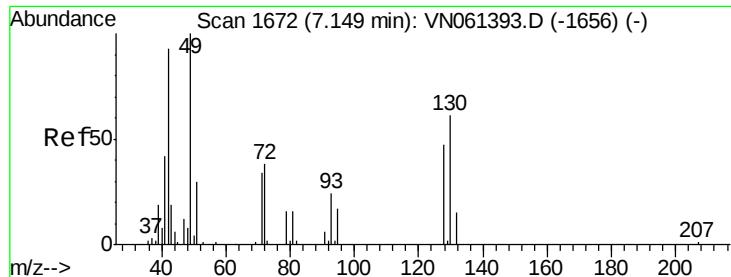
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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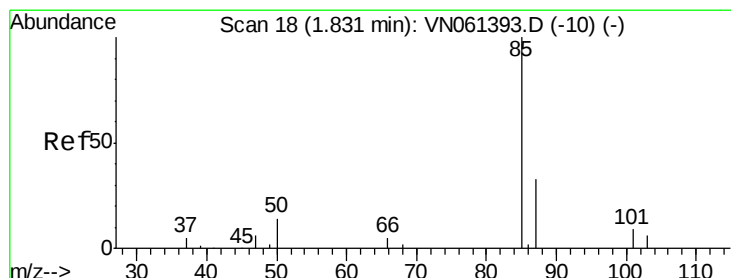
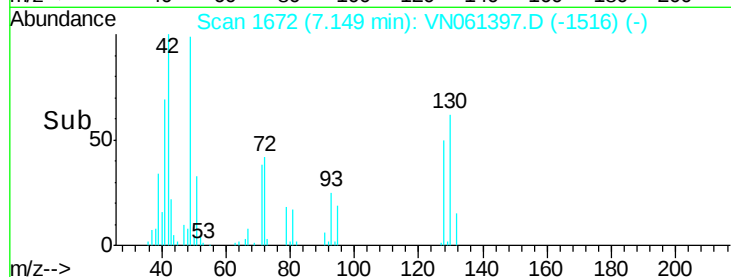
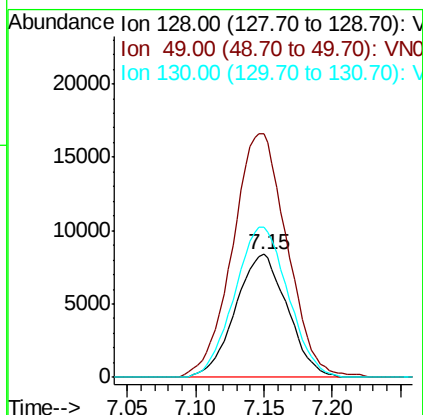
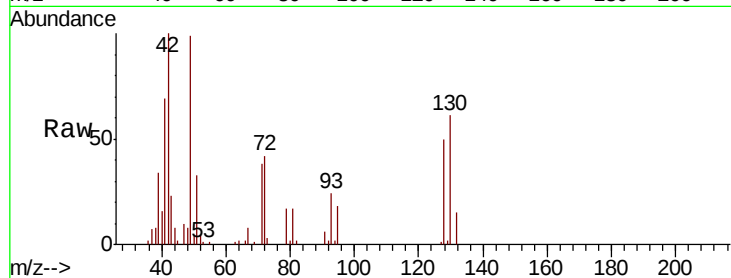




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

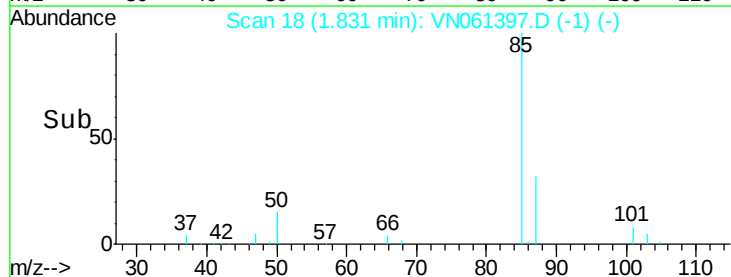
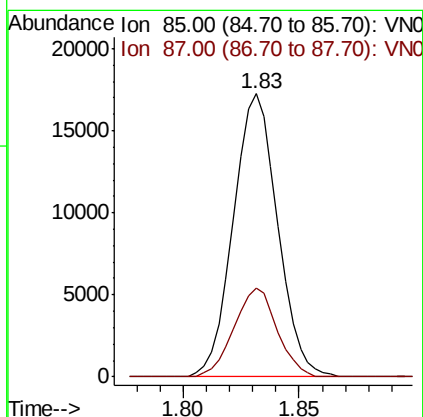
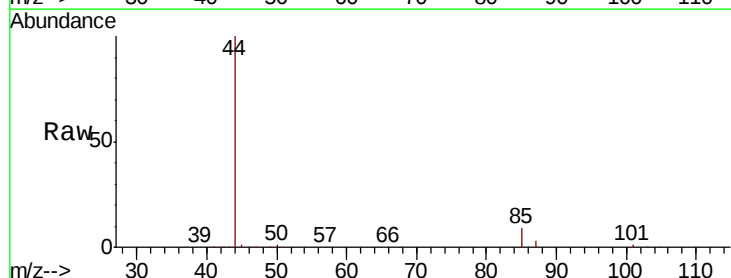
Instrument :
MSVOA_N
ClientSampleId :

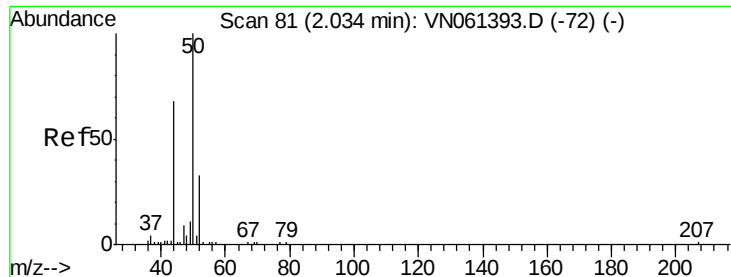
Tot Ion:128 Resp: 22242
Ion Ratio Lower Upper
128 100
49 206.5 0.0 453.5
130 126.1 0.0 314.2



#2
Dichlorodifluoromethane
Concen: 22.592 ug/l
RT: 1.83 min Scan# 18
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 85 Resp: 22879
Ion Ratio Lower Upper
85 100
87 31.6 15.7 47.0

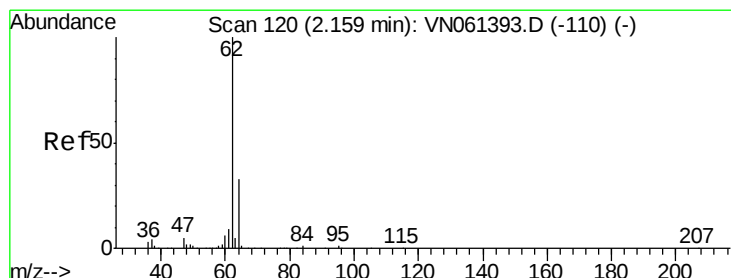
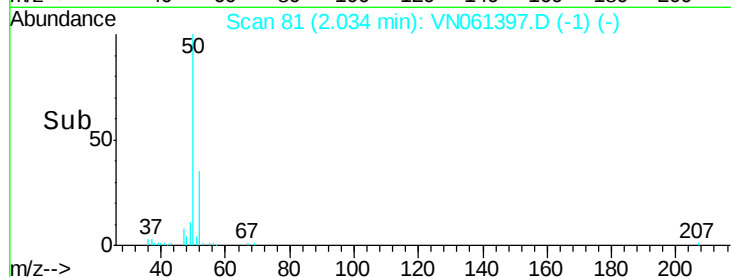
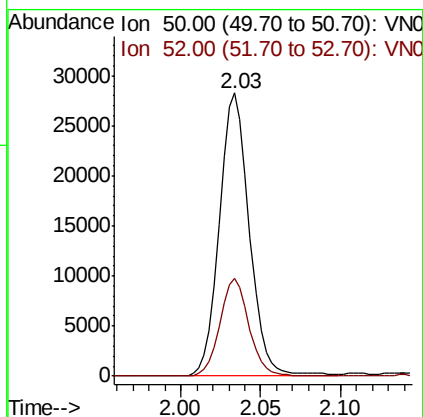
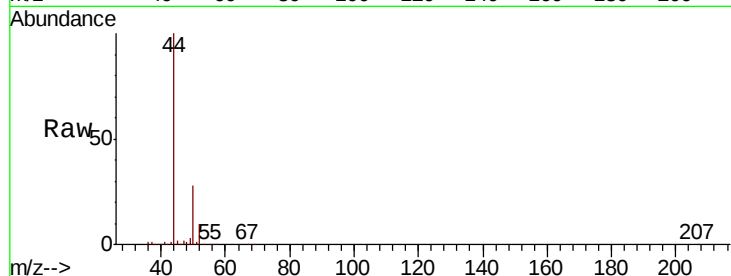




#3
Chloromethane
Concen: 19.758 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

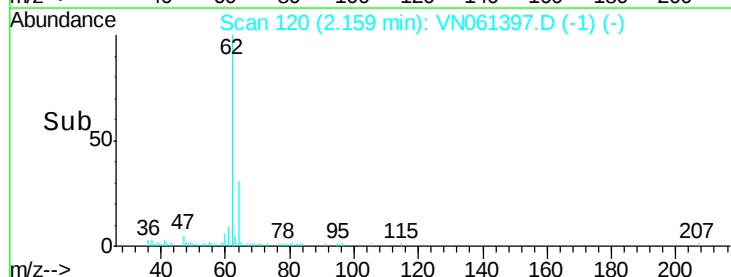
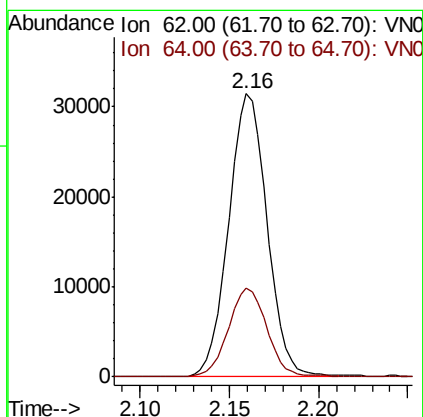
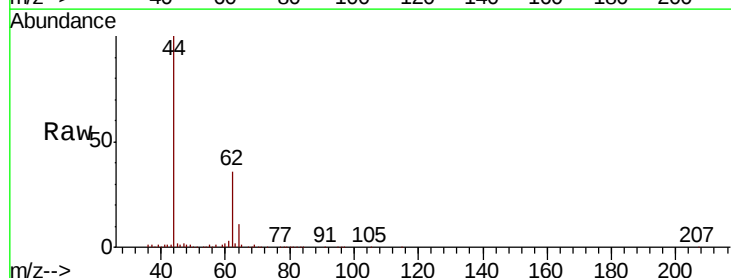
Instrument :
MSVOA_N
ClientSampled :

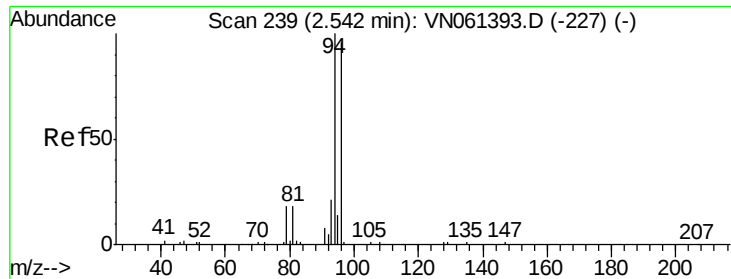
Tot Ion: 50 Resp: 36585
Ion Ratio Lower Upper
50 100
52 34.7 25.8 38.8



#4
Vinyl Chloride
Concen: 18.978 ug/l
RT: 2.16 min Scan# 120
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 62 Resp: 47105
Ion Ratio Lower Upper
62 100
64 31.2 26.1 39.1

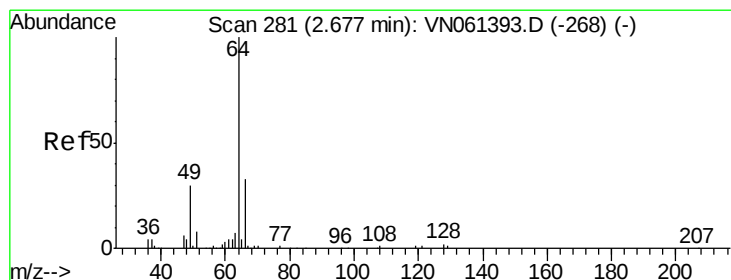
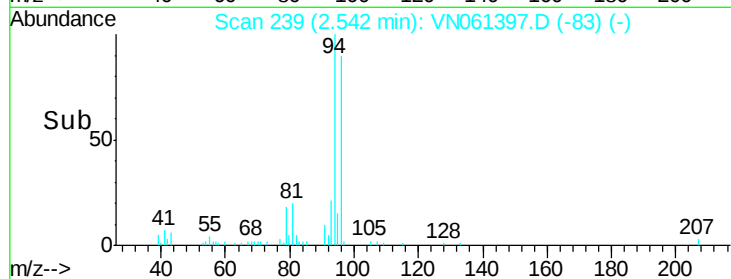
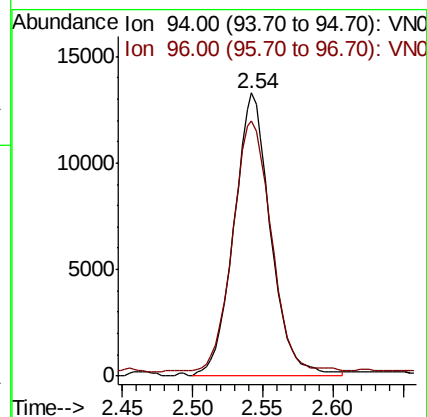
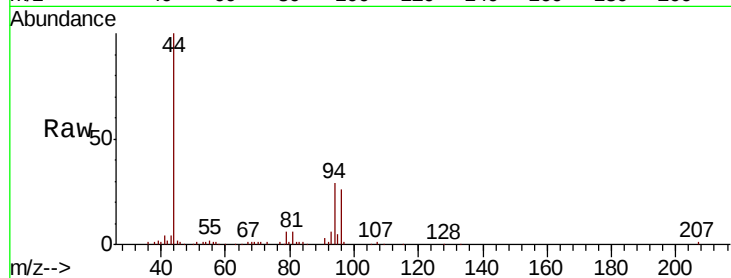




#5
Bromomethane
Concen: 19.194 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

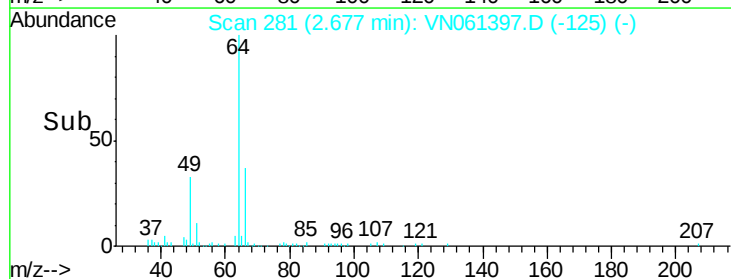
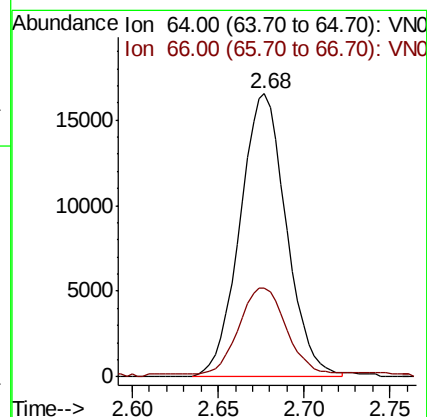
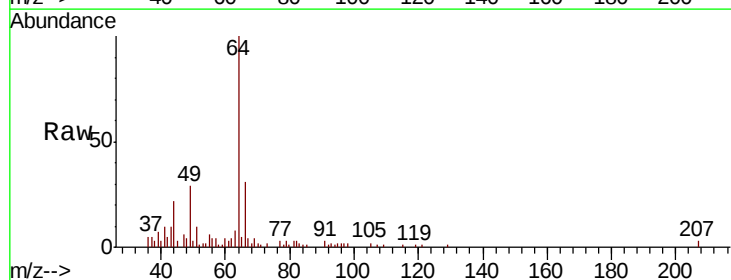
Instrument :
MSVOA_N
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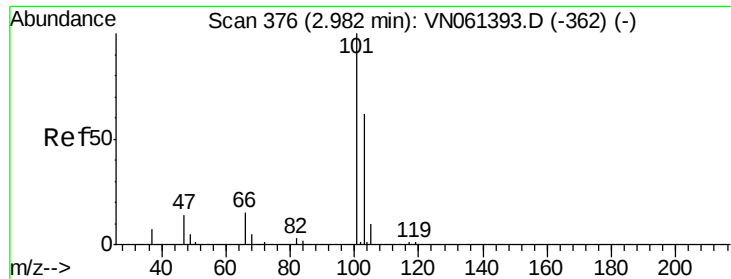
Tot Ion: 94 Resp: 24199
Ion Ratio Lower Upper
94 100
96 88.2 73.7 110.5



#6
Chloroethane
Concen: 18.481 ug/l
RT: 2.68 min Scan# 281
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 64 Resp: 31037
Ion Ratio Lower Upper
64 100
66 30.1 24.6 36.8



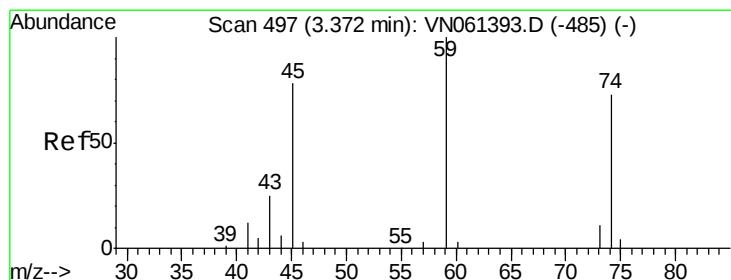
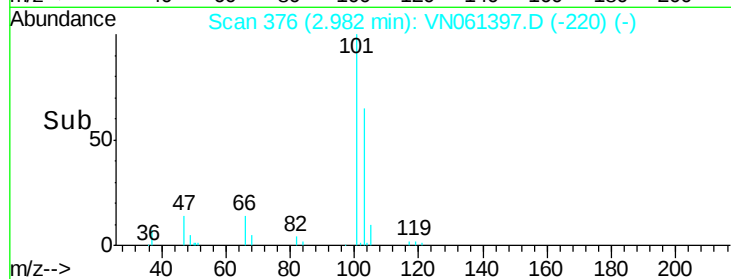
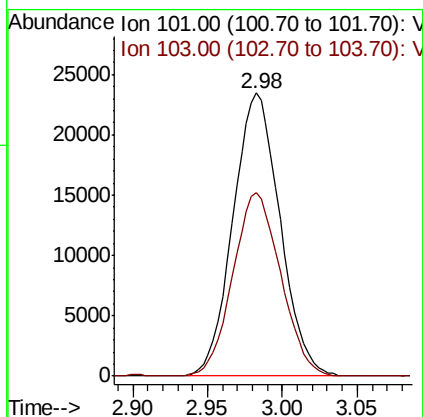
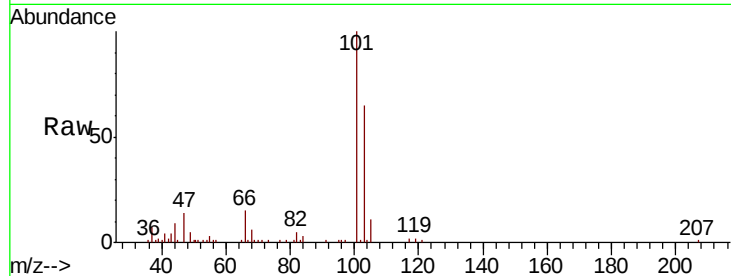


#7

Trichlorofluoromethane
Concen: 19.312 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampled :

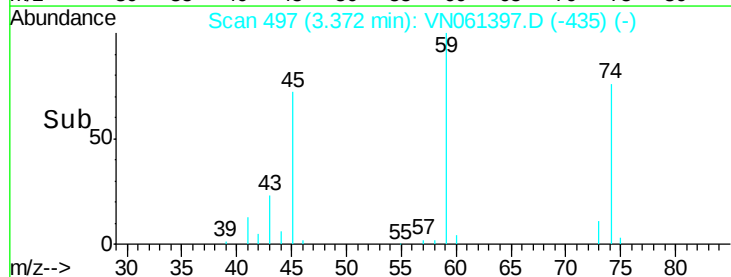
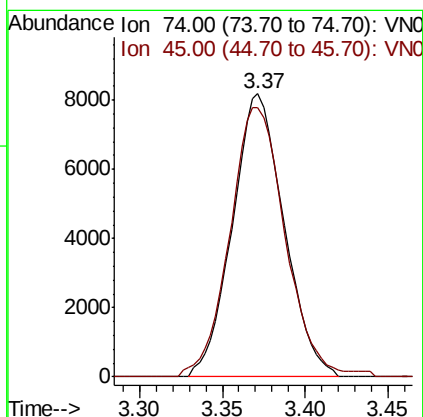
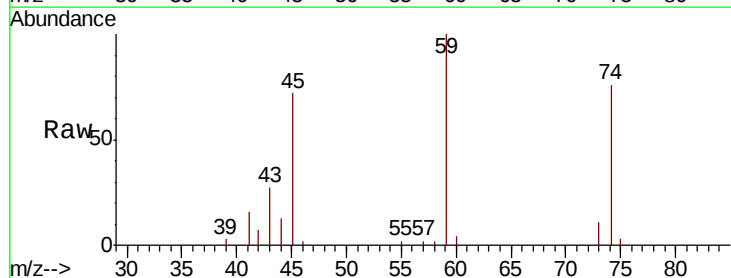
Tot Ion:101 Resp: 51301
Ion Ratio Lower Upper
101 100
103 64.8 51.5 77.3

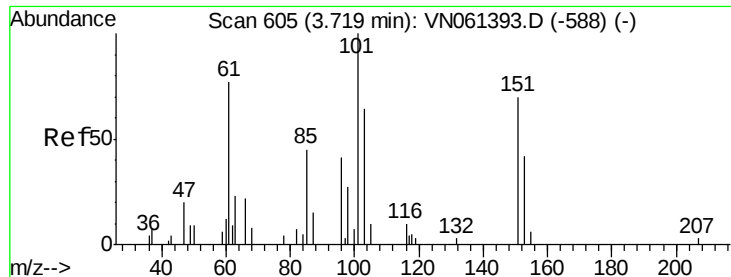


#8

Diethyl Ether
Concen: 20.967 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 74 Resp: 17715
Ion Ratio Lower Upper
74 100
45 101.6 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.389 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

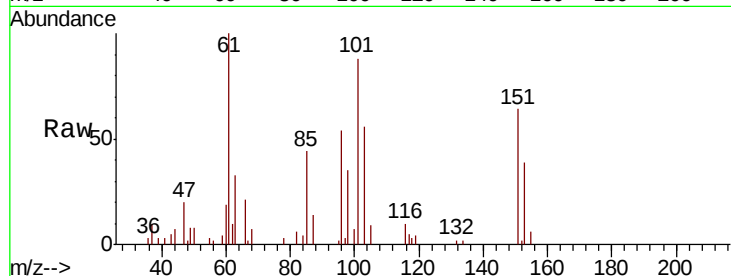
Tot Ion:101 Resp: 24271

Ion Ratio Lower Upper

101 100

85 48.4 0.0 93.8

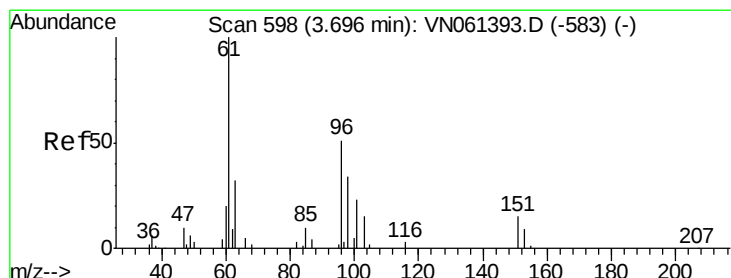
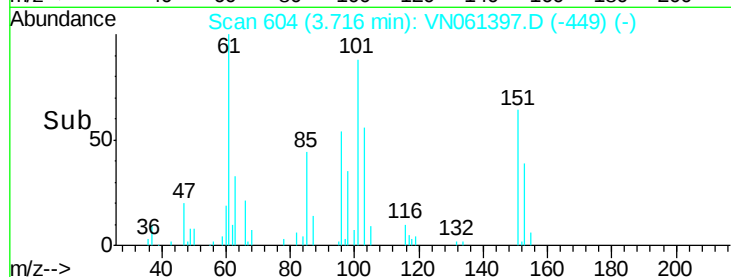
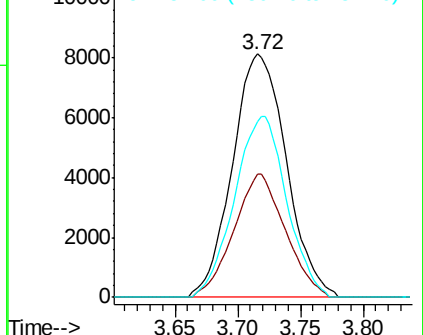
151 71.8 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 21.242 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

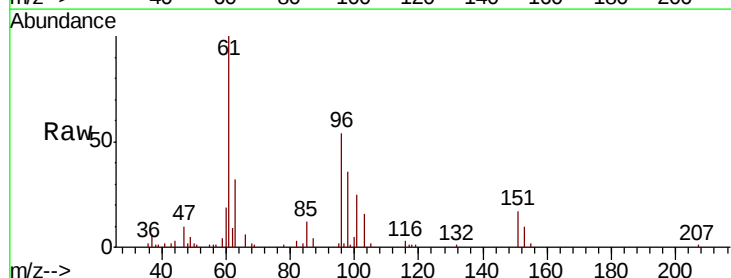
Tgt Ion: 96 Resp: 25378

Ion Ratio Lower Upper

96 100

61 185.0 148.5 222.7

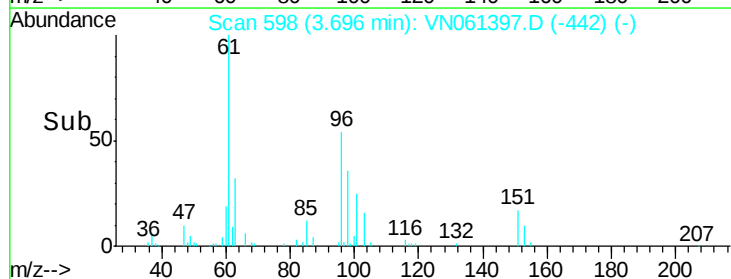
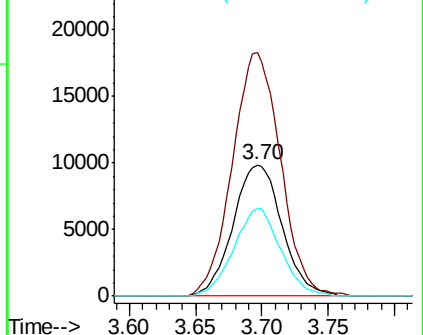
98 66.5 51.0 76.6

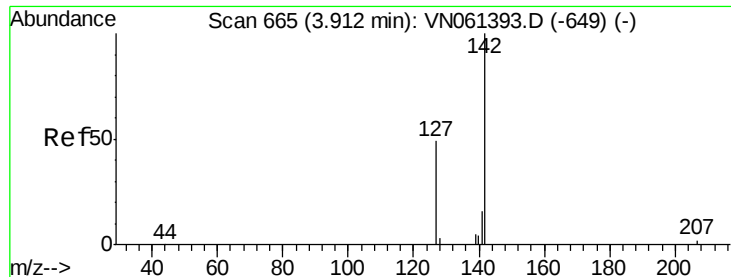


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

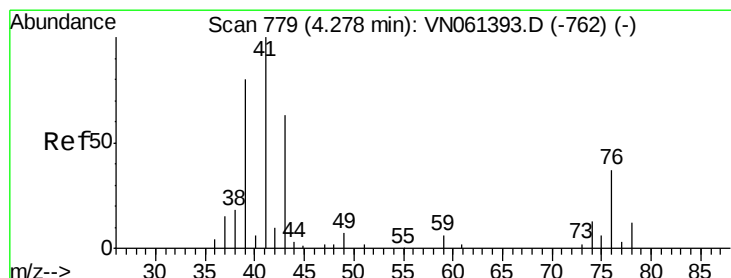
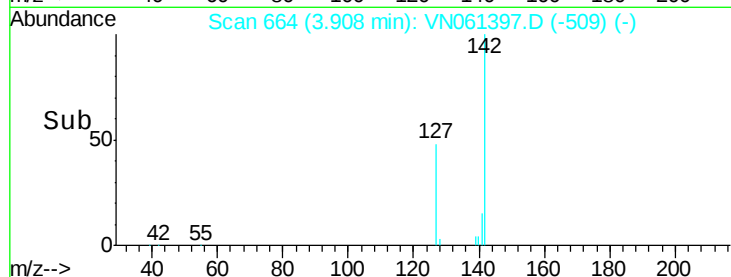
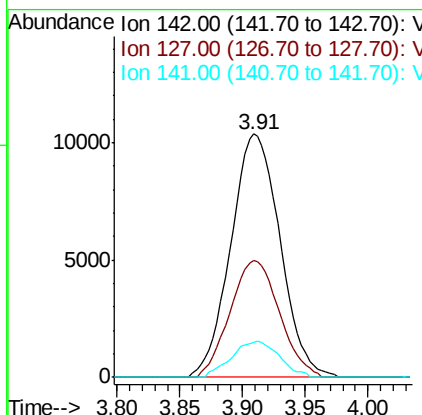
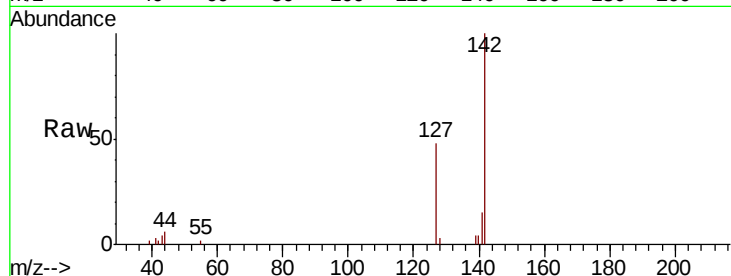




#11
Methvl Iodide
Concen: 21.881 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

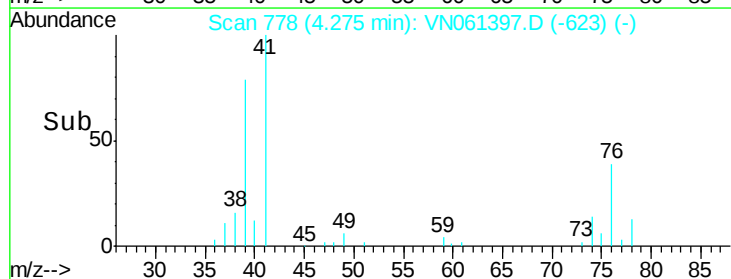
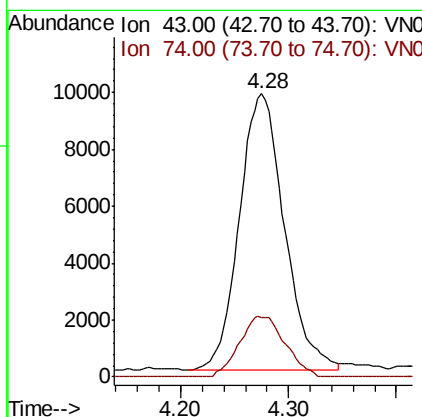
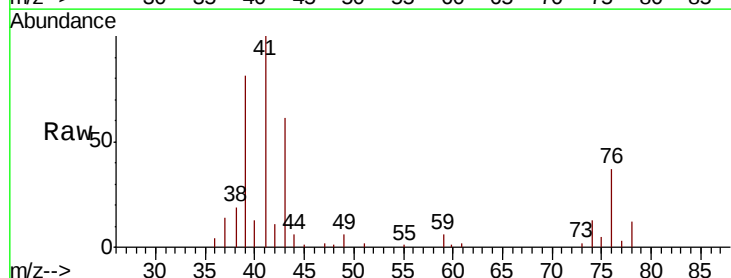
Instrument :
MSVOA_N
ClientSampleId :

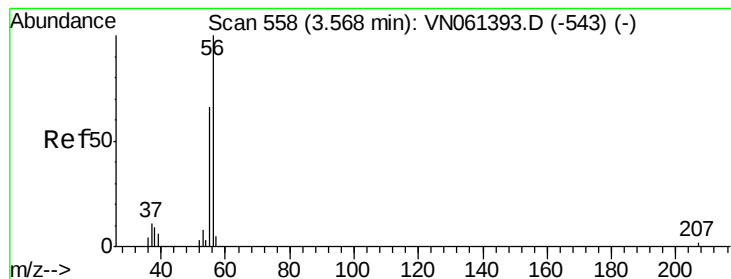
Tot Ion:142 Resp: 28292
Ion Ratio Lower Upper
142 100
127 47.9 23.5 70.6
141 14.5 7.4 22.2



#12
Methyl Acetate
Concen: 19.534 ug/l
RT: 4.28 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 43 Resp: 28343
Ion Ratio Lower Upper
43 100
74 21.8 18.1 27.1





#13

Acrolein

Concen: 99.782 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

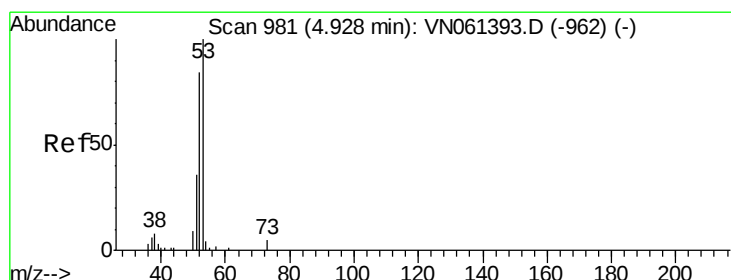
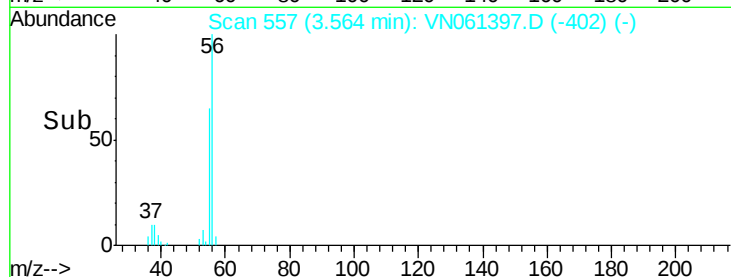
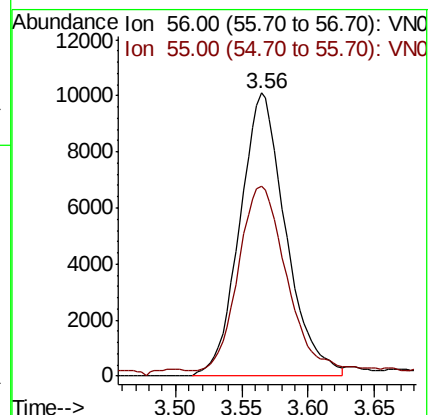
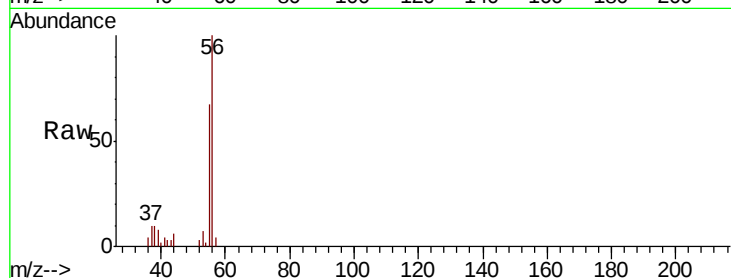
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 24377

Ion Ratio Lower Upper

56 100

55 68.5 55.9 83.9



#14

Acrylonitrile

Concen: 97.673 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

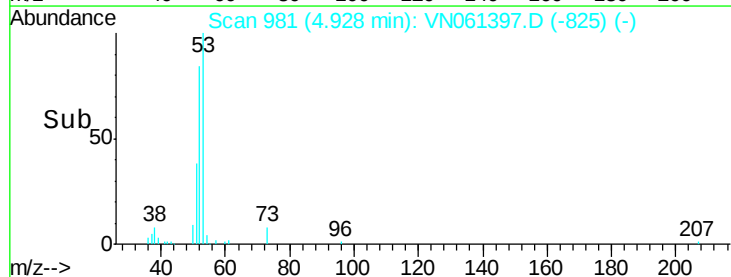
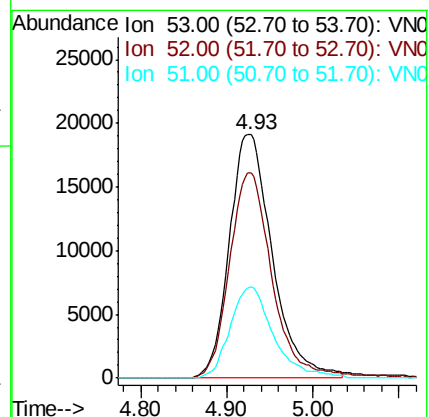
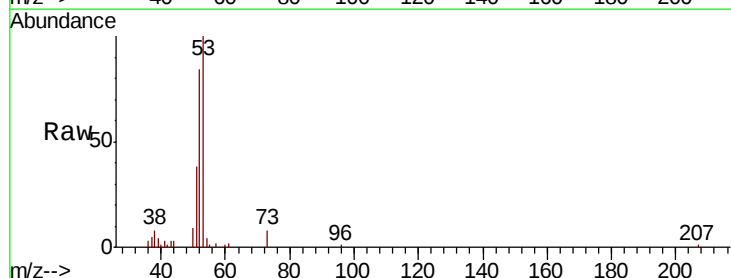
Tgt Ion: 53 Resp: 66522

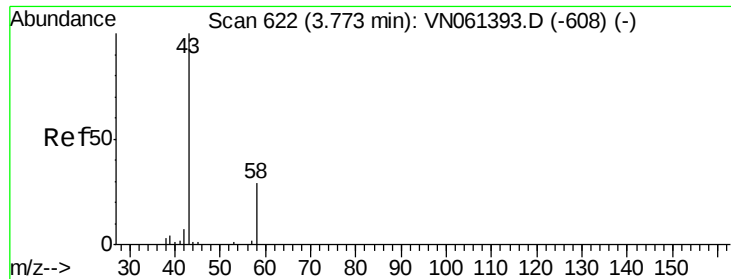
Ion Ratio Lower Upper

53 100

52 83.2 42.2 126.6

51 36.5 18.8 56.4





#15

Acetone

Concen: 116.203 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

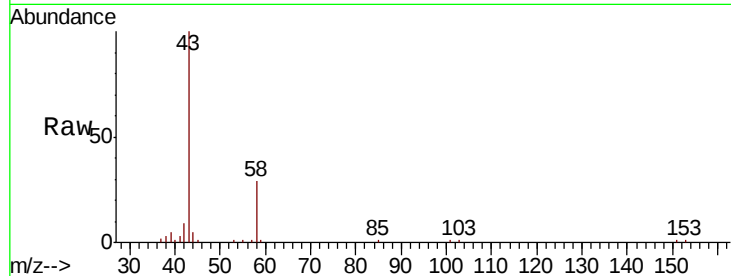
ClientSampled :

Tot Ion: 58 Resp: 19005

Ion Ratio Lower Upper

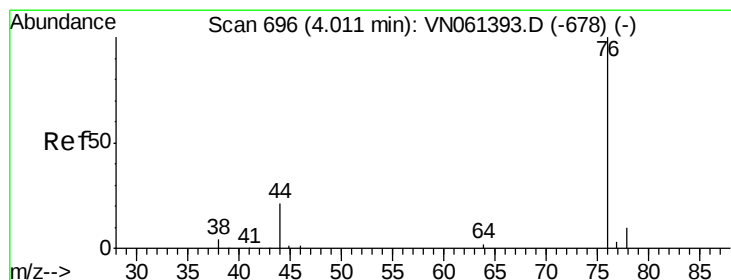
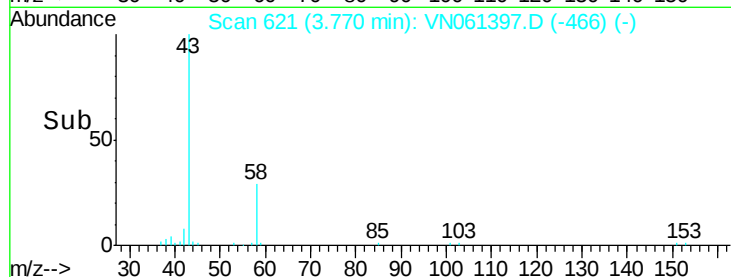
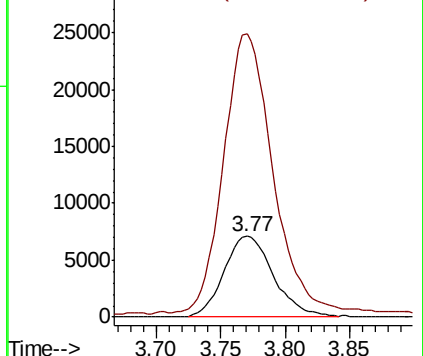
58 100

43 339.5 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 24.006 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061397.D

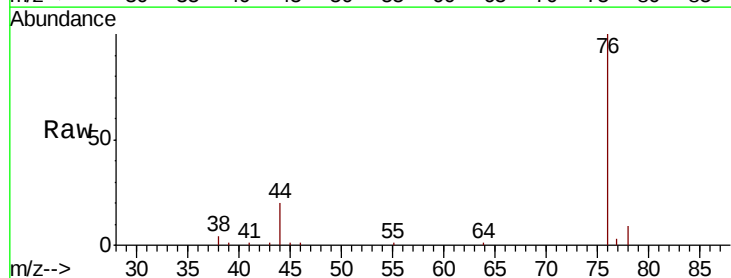
Acq: 14 May 2020 16:21

Tgt Ion: 76 Resp: 80623

Ion Ratio Lower Upper

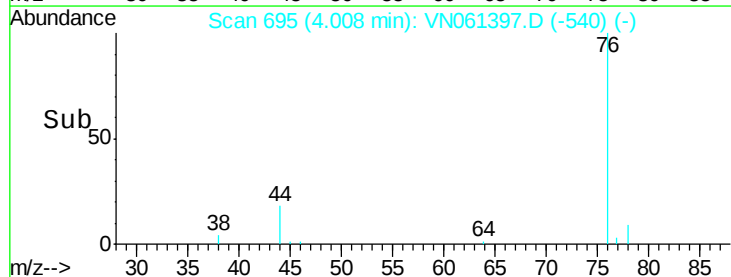
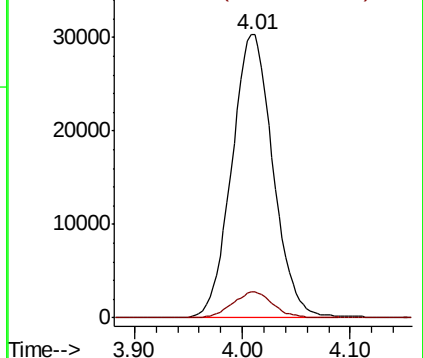
76 100

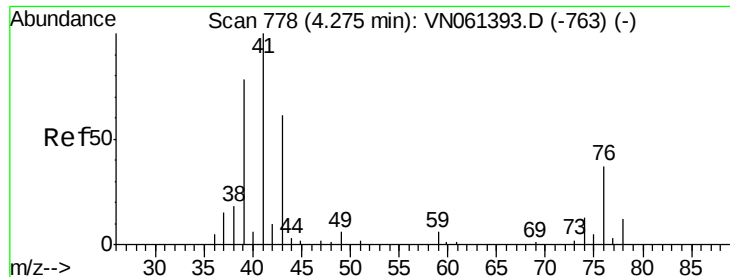
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

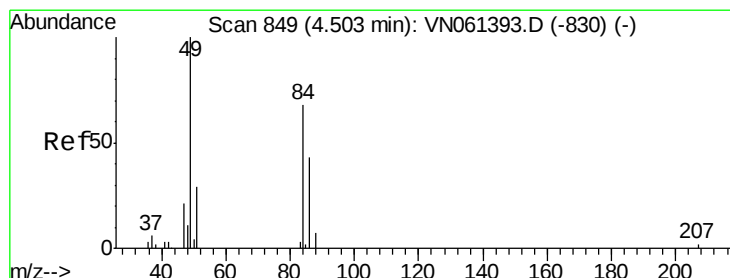
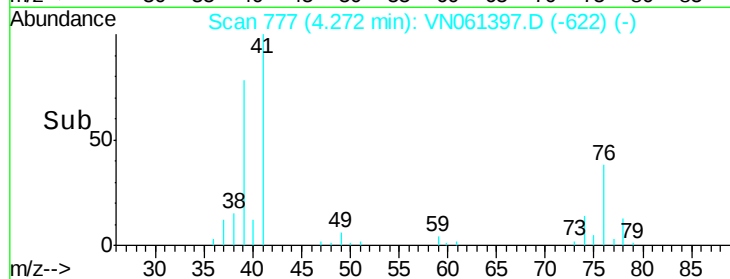
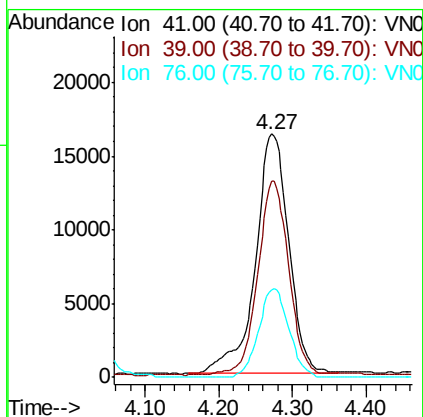
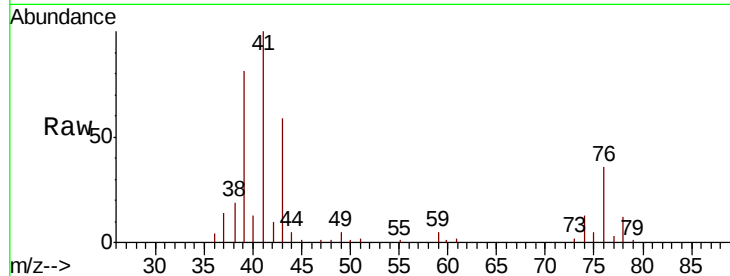




#17
Allvl chloride
Concen: 21.269 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

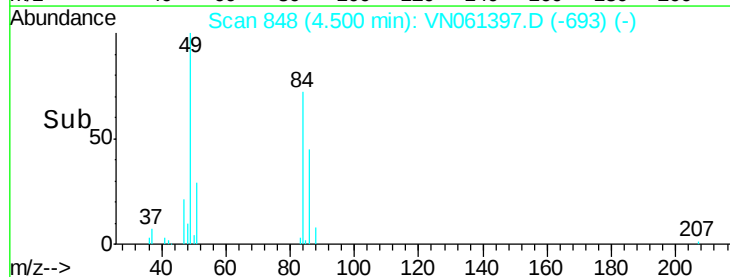
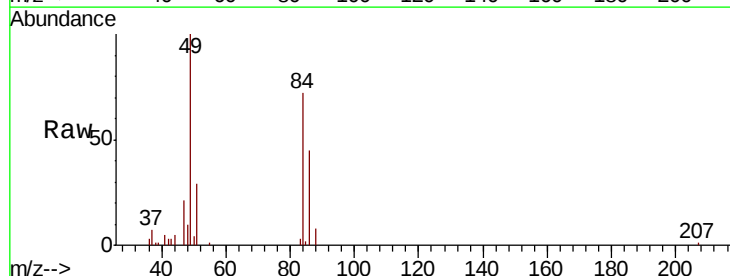
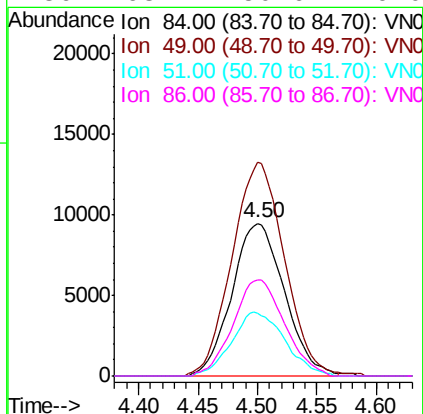
Instrument :
MSVOA_N
ClientSampleId :

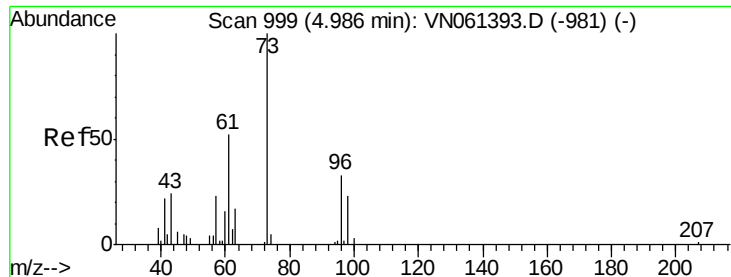
Tot Ion: 41 Resp: 51146
Ion Ratio Lower Upper
41 100
39 80.9 39.6 118.8
76 36.5 17.6 52.9



#18
Methylene Chloride
Concen: 20.112 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 84 Resp: 28997
Ion Ratio Lower Upper
84 100
49 137.8 106.6 160.0
51 40.8 32.4 48.6
86 63.1 50.6 76.0

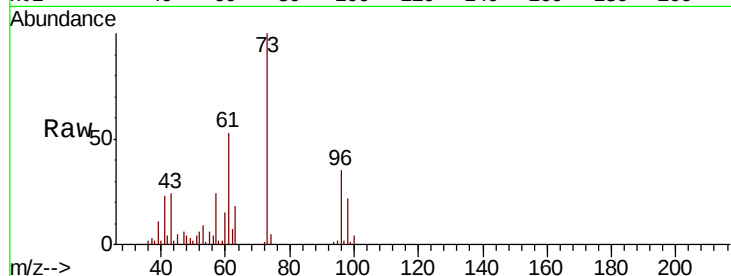




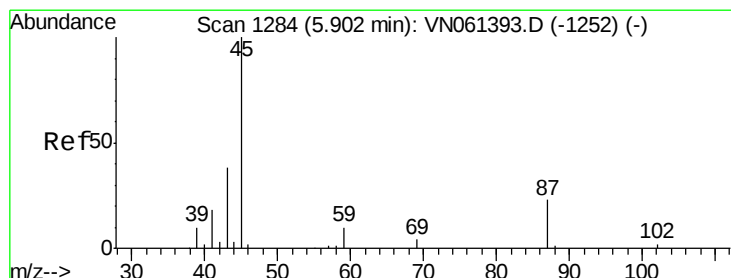
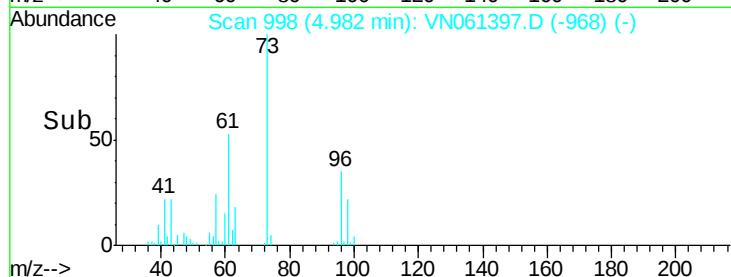
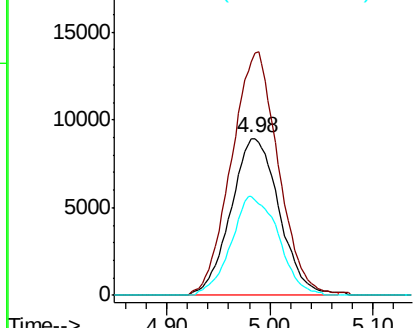
#19
trans-1,2-Dichloroethene
Concen: 20.511 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 29164
Ion Ratio Lower Upper
96 100
61 149.0 131.8 197.6
98 62.8 52.6 79.0

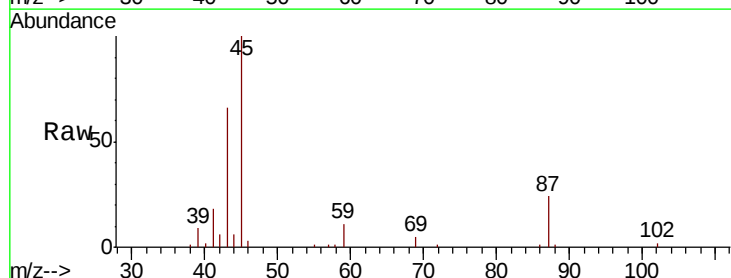


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

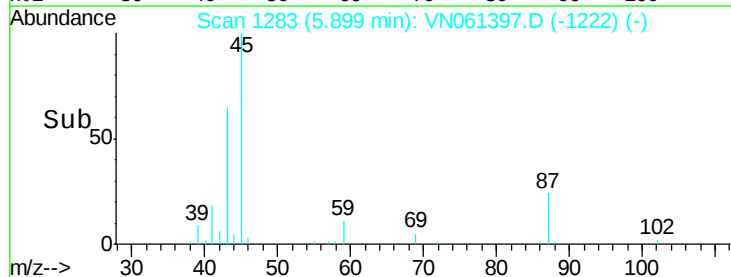
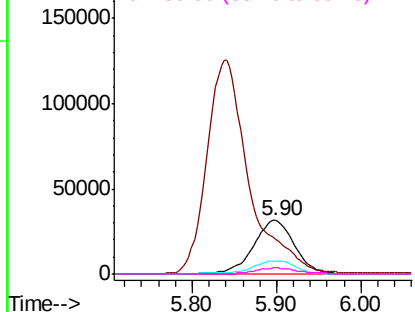


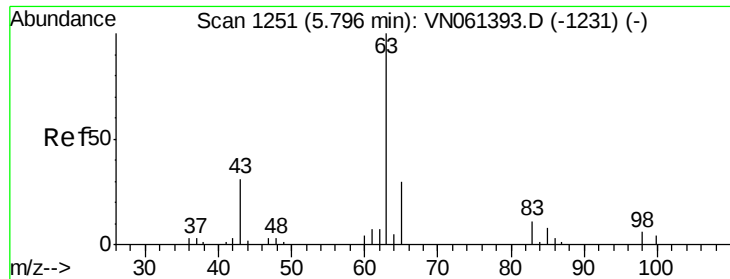
#20
Diisopropyl ether
Concen: 18.904 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 45 Resp: 105823
Ion Ratio Lower Upper
45 100
43 62.3 54.7 82.1
87 24.3 21.5 32.3
59 11.2 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

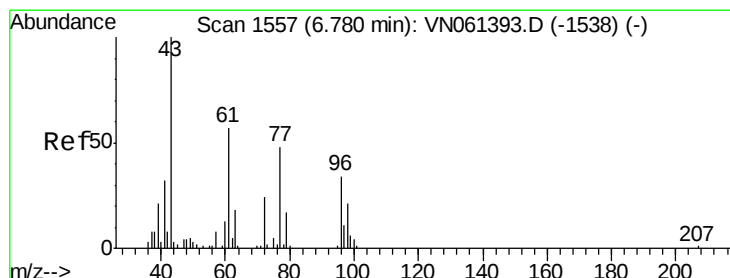
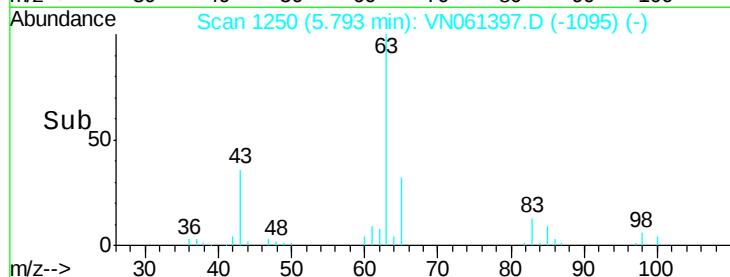
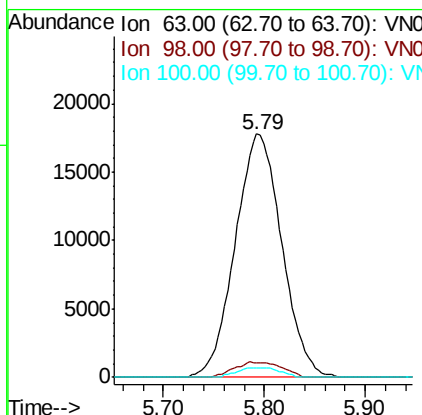
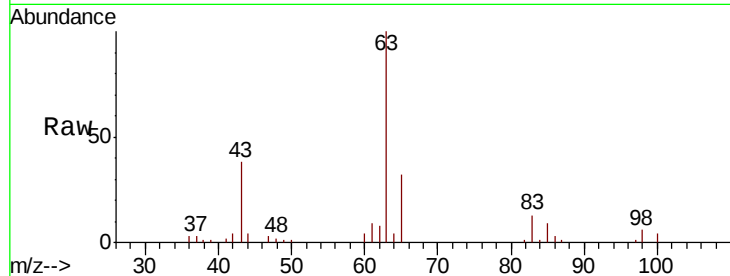




#21
 1,1-Dichloroethane
 Concen: 19.498 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

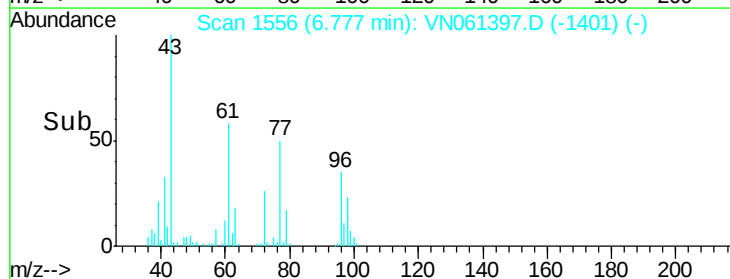
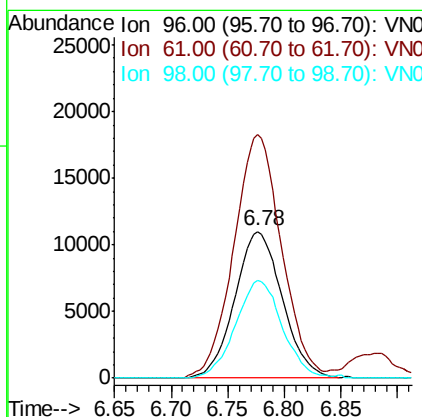
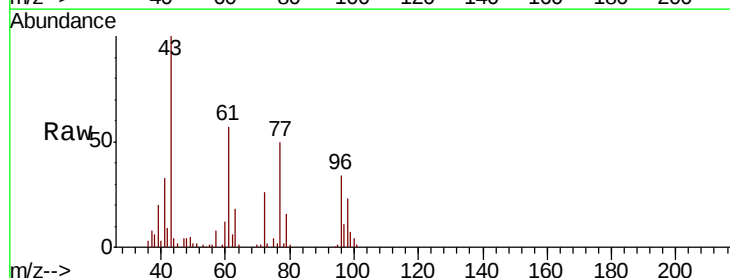
Instrument :
 MSVOA_N
 ClientSampled :

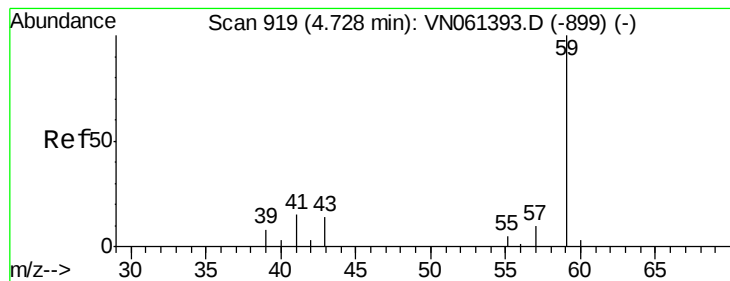
Tot Ion	63	Resp	56997
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.9	8.6
100	4.0	1.8	5.5



#22
 cis-1,2-Dichloroethene
 Concen: 19.250 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion	96	Resp	32093
Ion	Ratio	Lower	Upper
96	100		
61	166.6	127.2	190.8
98	65.5	50.5	75.7



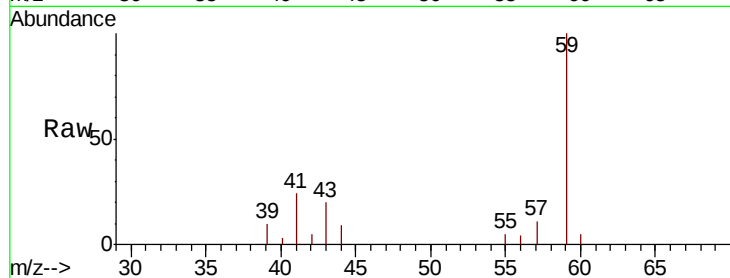


#23

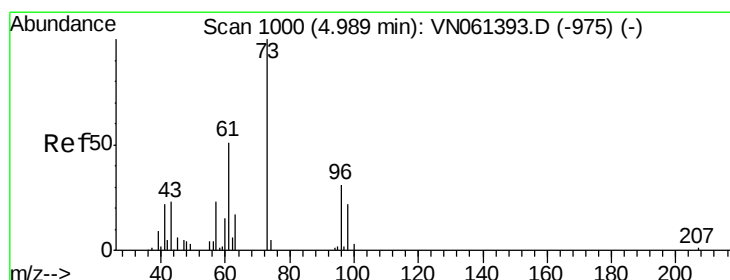
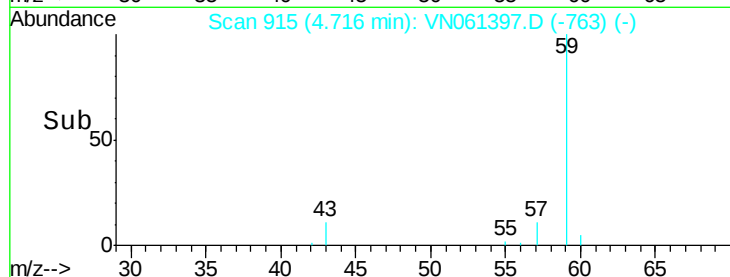
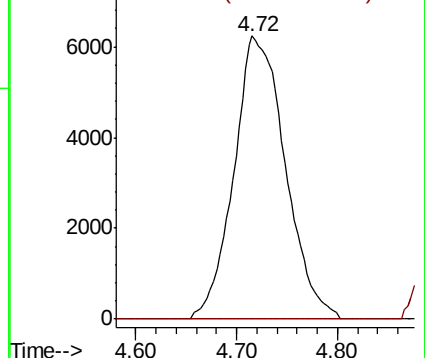
tert-Butyl Alcohol
 Concen: 101.207 ug/l
 RT: 4.72 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 59 Resp: 22095
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



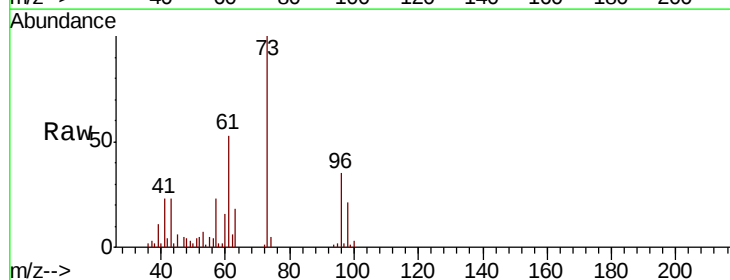
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



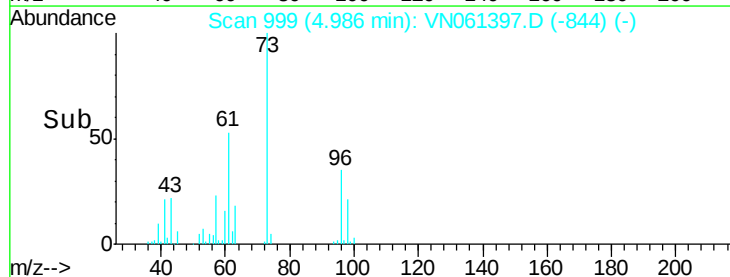
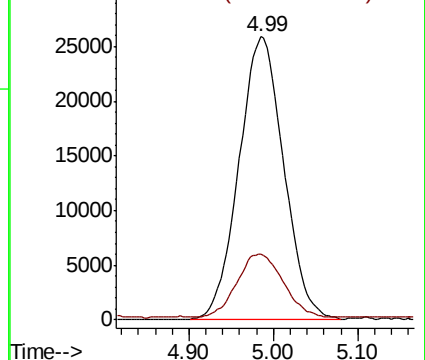
#24

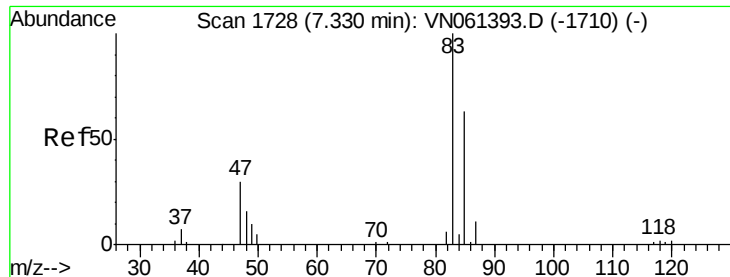
Methyl tert-Butyl Ether
 Concen: 19.731 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion: 73 Resp: 95666
 Ion Ratio Lower Upper
 73 100
 43 23.2 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0

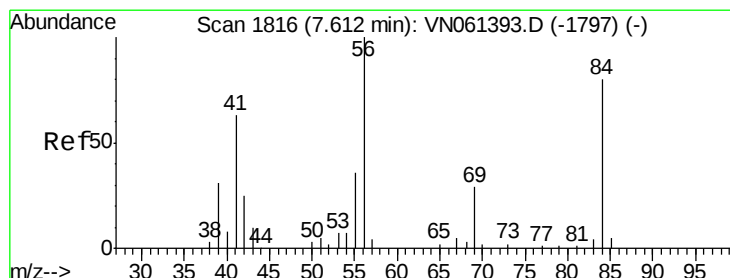
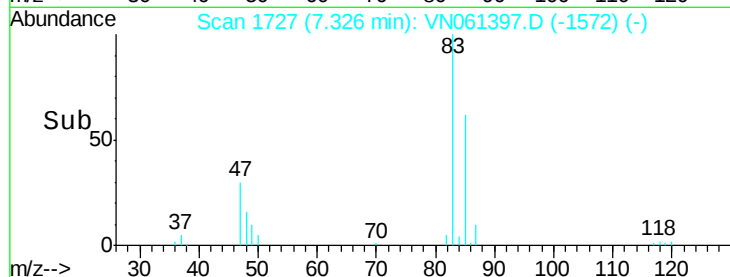
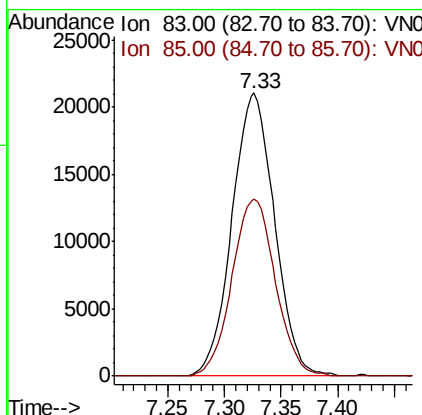
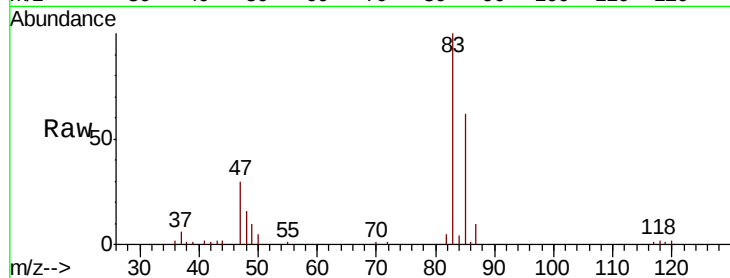




#25
Chloroform
Concen: 19.453 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

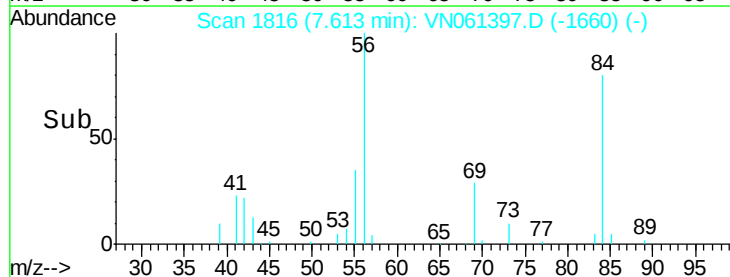
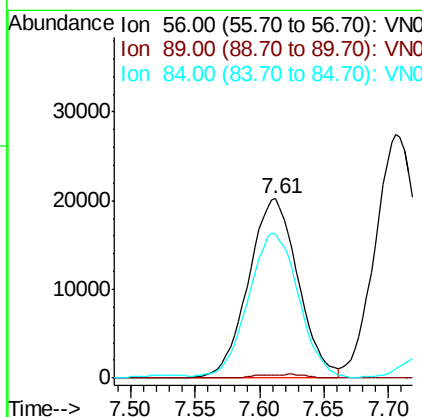
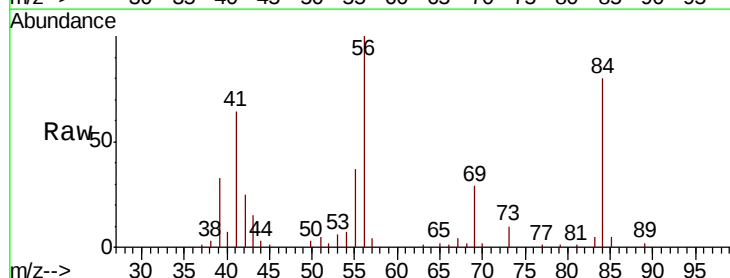
Instrument :
MSVOA_N
ClientSampleId :

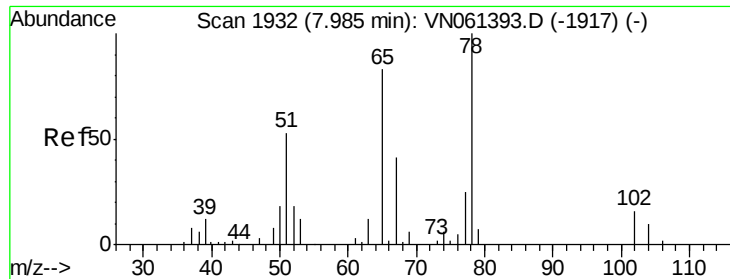
Tot Ion: 83 Resp: 55123
Ion Ratio Lower Upper
83 100
85 62.4 53.8 80.8



#26
Cyclohexane
Concen: 19.454 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 56 Resp: 54302
Ion Ratio Lower Upper
56 100
89 0.8 6.2 9.2#
84 82.0 65.6 98.4

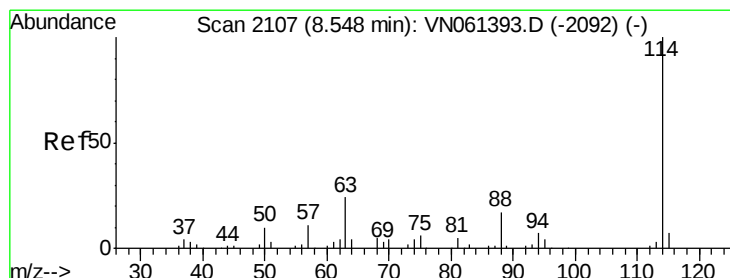
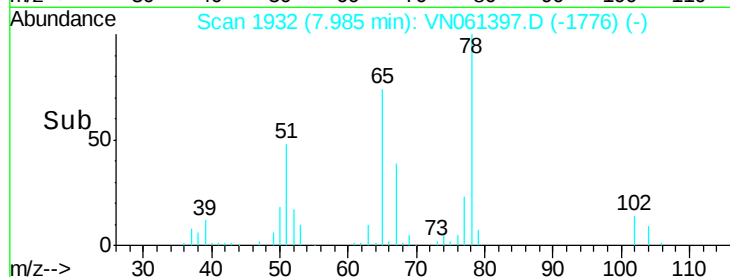
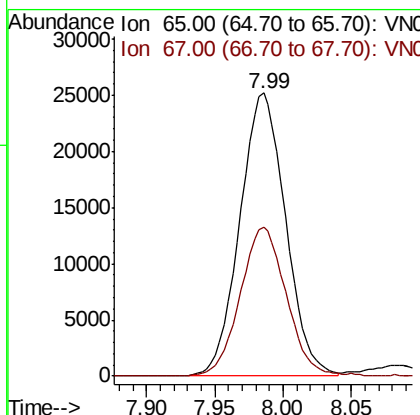
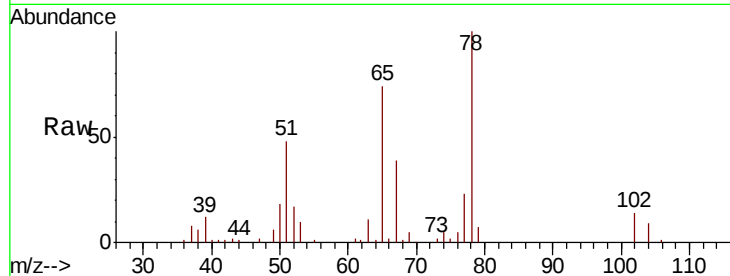




#27
 1,2-Dichloroethane-d4
 Concen: 29.447 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

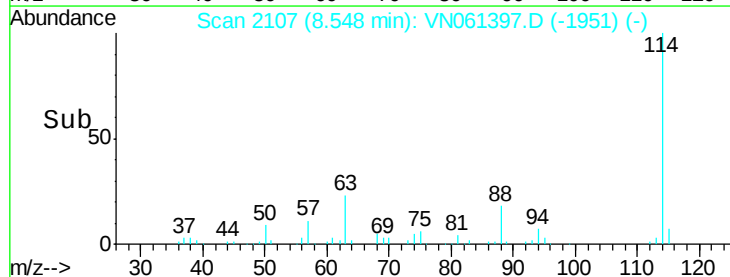
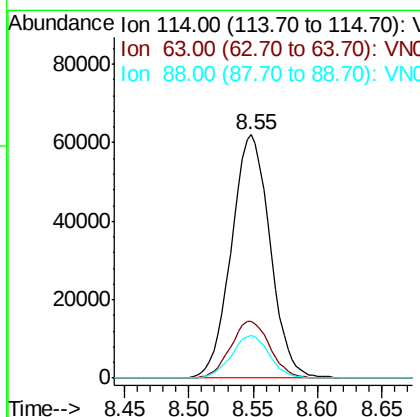
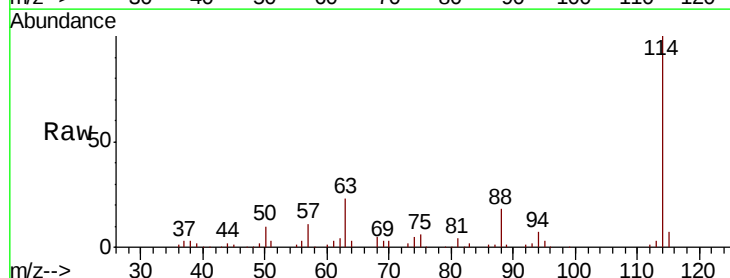
Instrument :
 MSVOA_N
 ClientSampled :

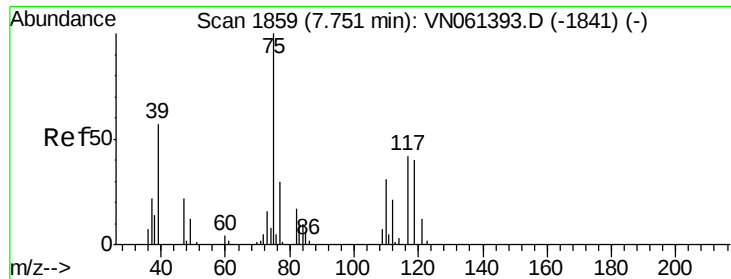
Tot Ion: 65 Resp: 58653
 Ion Ratio Lower Upper
 65 100
 67 52.9 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion: 114 Resp: 129665
 Ion Ratio Lower Upper
 114 100
 63 23.7 18.1 27.1
 88 17.1 13.0 19.4

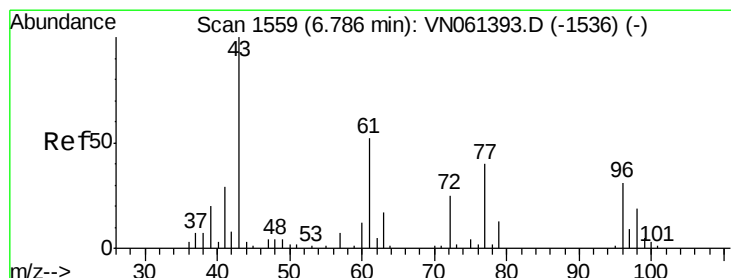
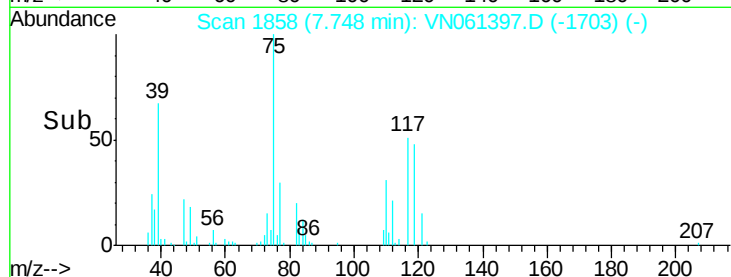
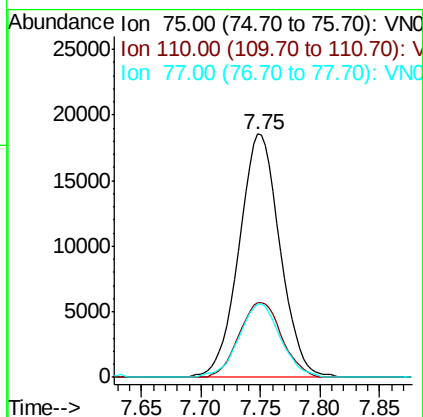
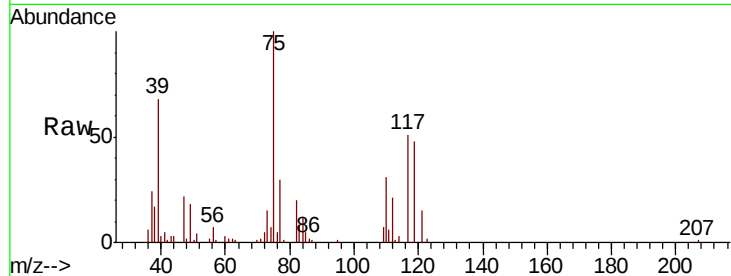




#29
 1,1-Dichloropropene
 Concen: 19.434 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

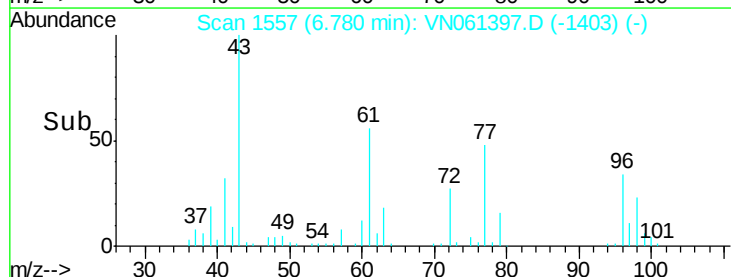
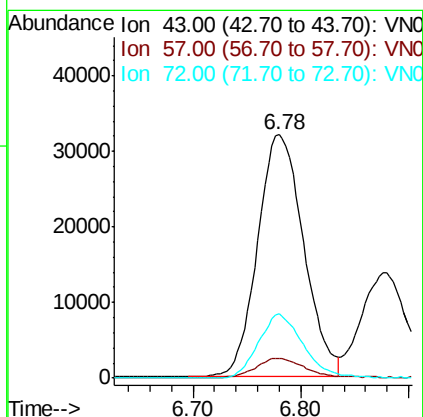
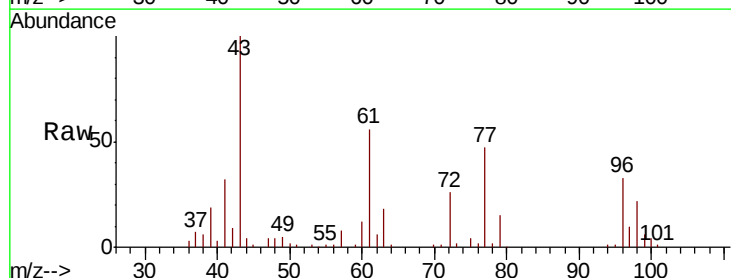
Instrument :
 MSVOA_N
 ClientSampled :

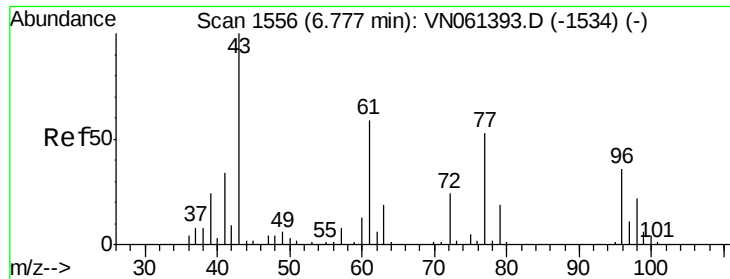
Tot Ion	Ratio	Lower	Upper
75	100		
110	32.1	0.0	64.6
77	30.9	0.0	60.8



#30
 2-Butanone
 Concen: 98.416 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.8	6.5	9.7
72	25.6	20.1	30.1





#31

2,2-Dichloropropane

Concen: 19.739 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

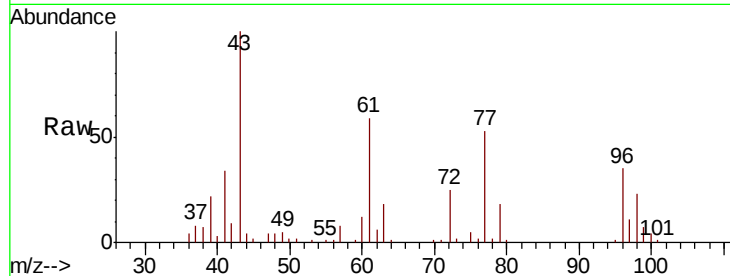
ClientSampled :

Tot Ion: 77 Resp: 52471

Ion Ratio Lower Upper

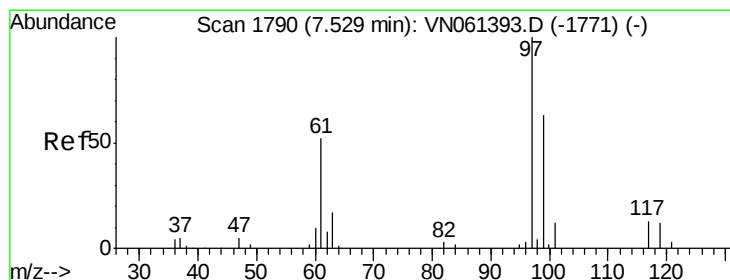
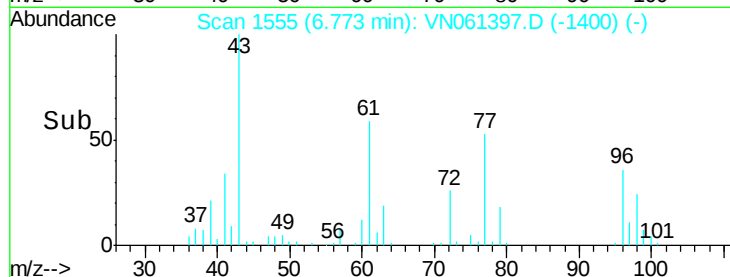
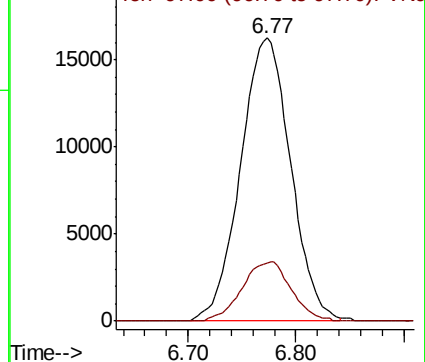
77 100

97 20.6 17.9 26.9



Abundance Ion 77.00 (76.70 to 77.70): VNO

Ion 97.00 (96.70 to 97.70): VNO



#32

1,1,1-Trichloroethane

Concen: 19.671 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

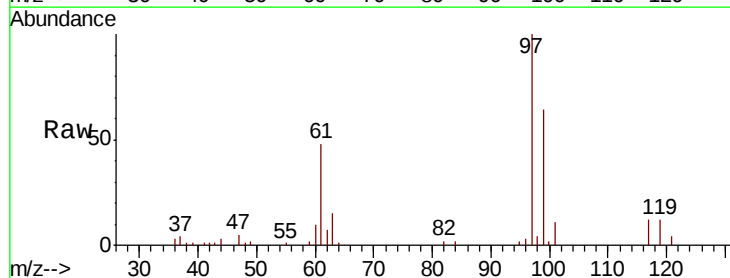
Tgt Ion: 97 Resp: 50079

Ion Ratio Lower Upper

97 100

99 63.4 51.3 76.9

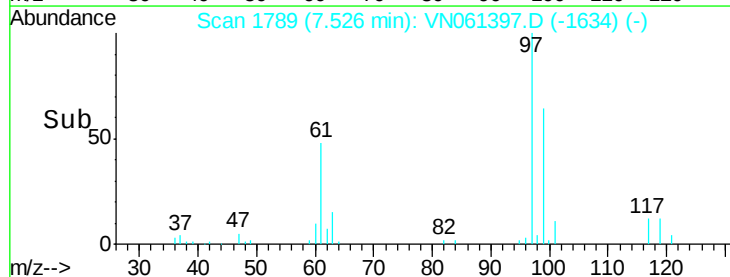
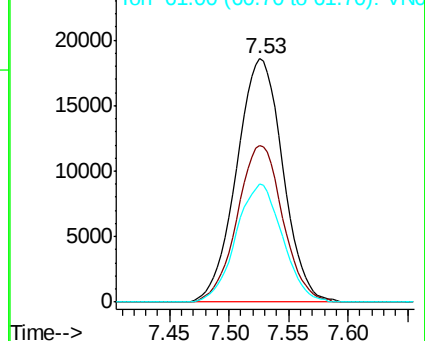
61 48.5 38.4 57.6

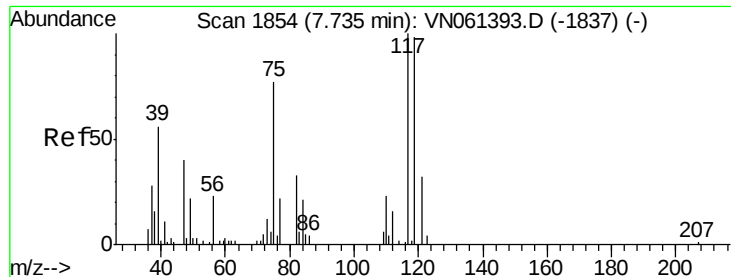


Abundance Ion 97.00 (96.70 to 97.70): VNO

Ion 99.00 (98.70 to 99.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

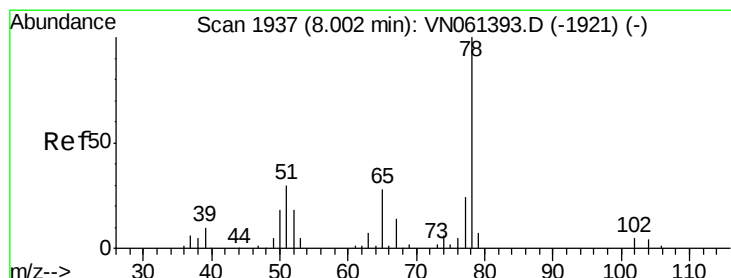
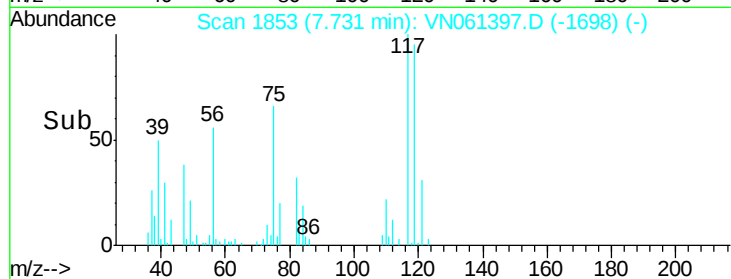
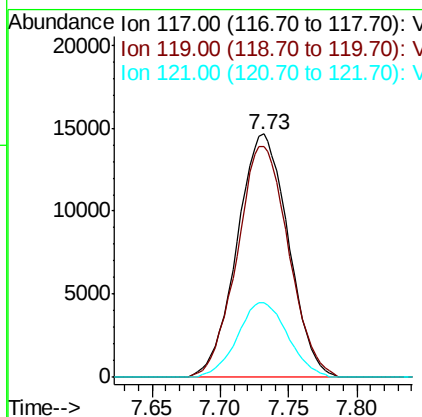
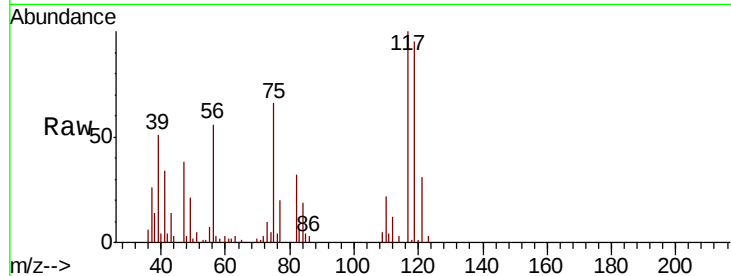




#33
Carbon Tetrachloride
Concen: 19.523 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

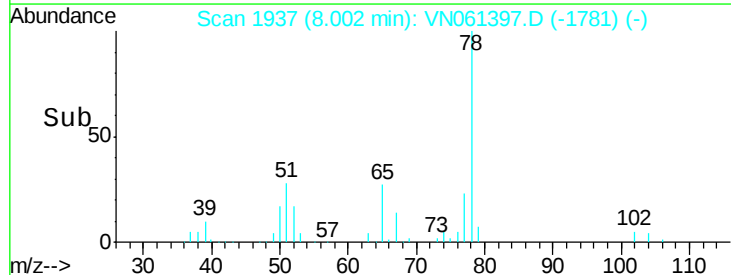
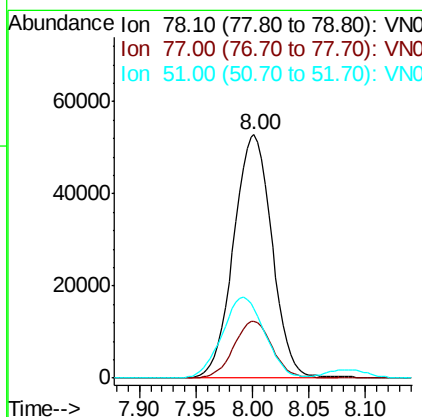
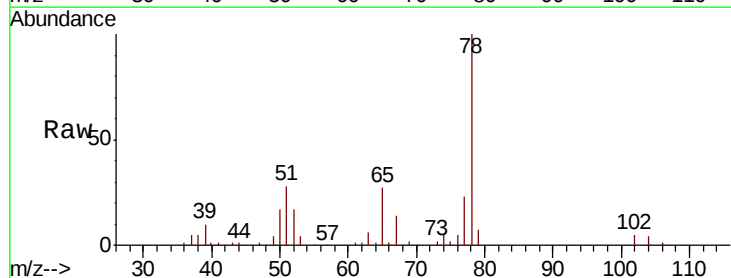
Instrument :
MSVOA_N
ClientSampled :

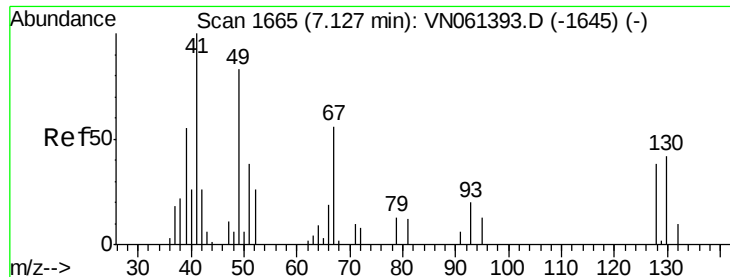
Tot Ion:117 Resp: 38151
Ion Ratio Lower Upper
117 100
119 94.9 76.9 115.3
121 30.6 23.8 35.8



#34
Benzene
Concen: 19.424 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 78 Resp: 125038
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8
51 27.8 22.1 33.1

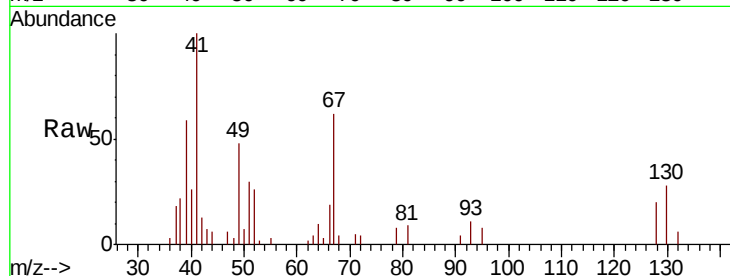




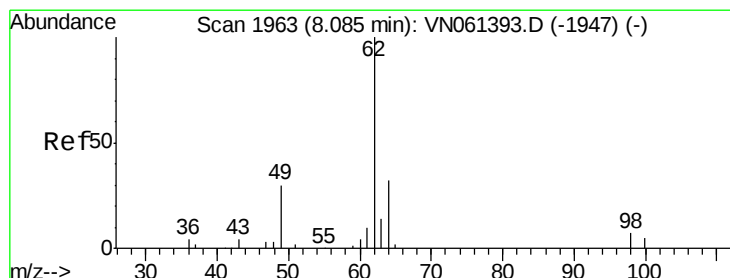
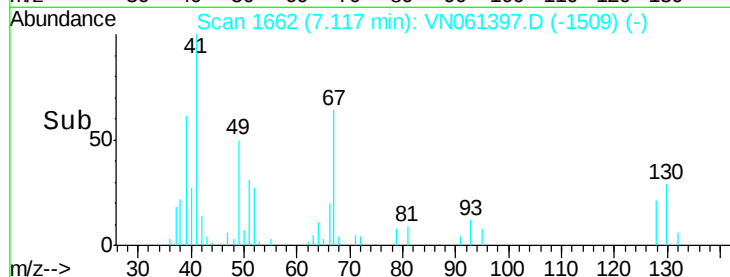
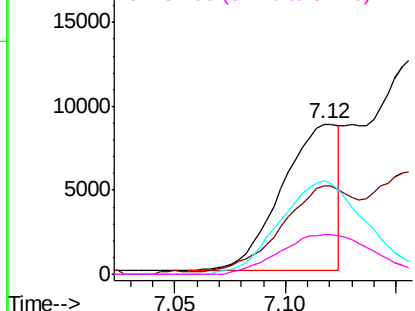
#35
Methacrylonitrile
Concen: 15.998 ug/l
RT: 7.12 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 15445
Ion Ratio Lower Upper
41 100
39 58.8 25.8 77.4
67 63.7 23.0 69.0
52 27.0 10.1 30.1

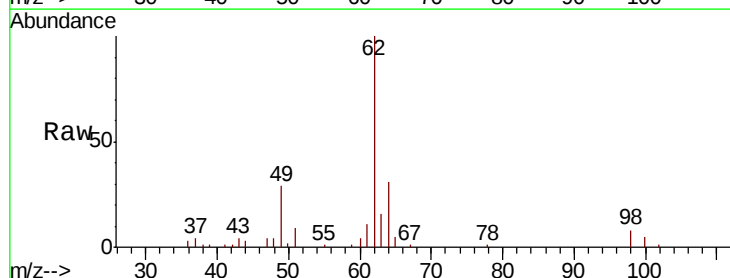


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

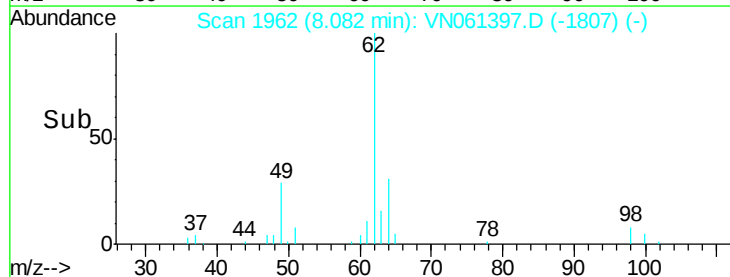
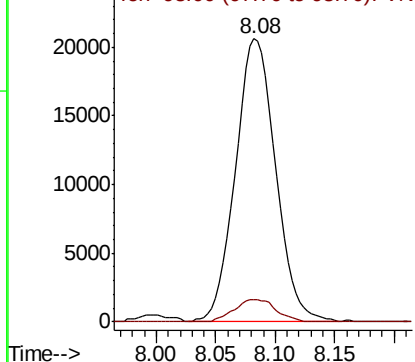


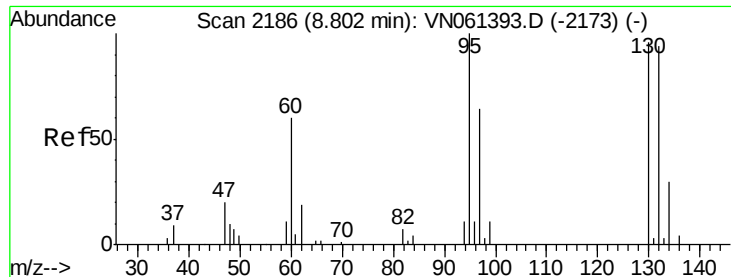
#36
1,2-Dichloroethane
Concen: 19.562 ug/l
RT: 8.08 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 62 Resp: 48340
Ion Ratio Lower Upper
62 100
98 8.2 6.4 9.6



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

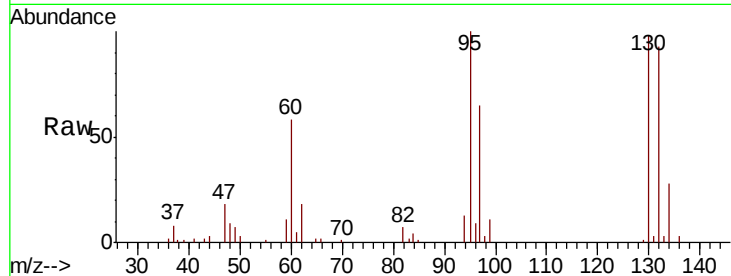




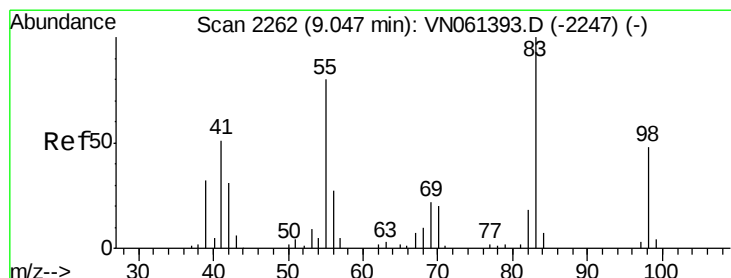
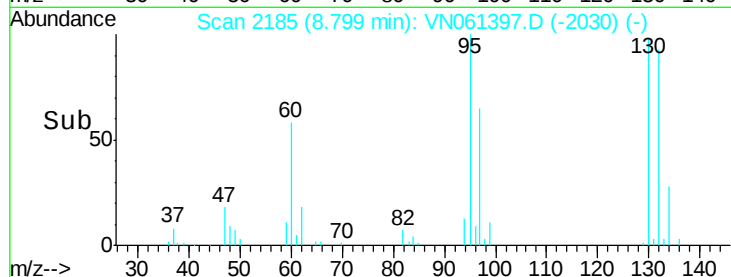
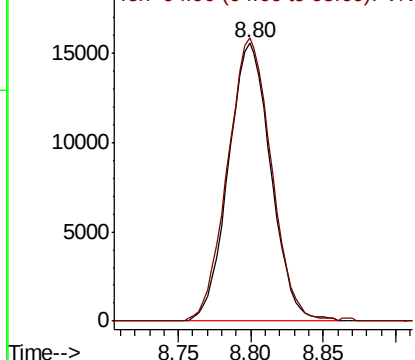
#37
 Trichloroethene
 Concen: 19.920 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:130 Resp: 31574
 Ion Ratio Lower Upper
 130 100
 95 101.7 83.2 124.8

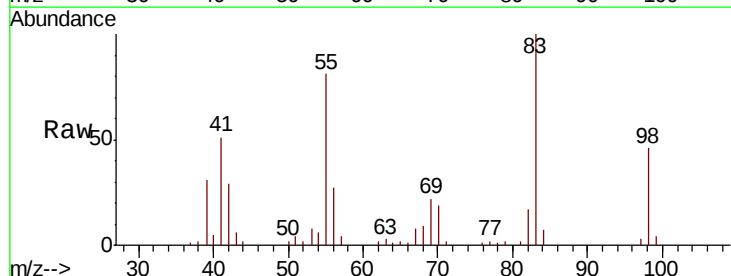


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

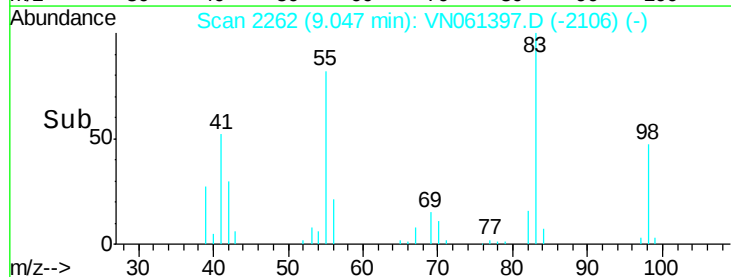
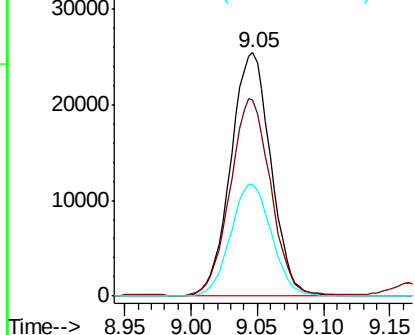


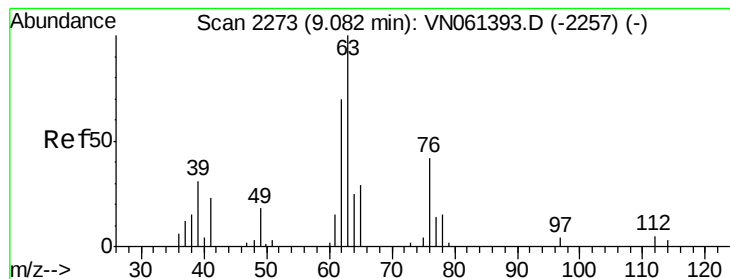
#38
 Methylcyclohexane
 Concen: 19.622 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion: 83 Resp: 53598
 Ion Ratio Lower Upper
 83 100
 55 82.0 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: 18.774 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

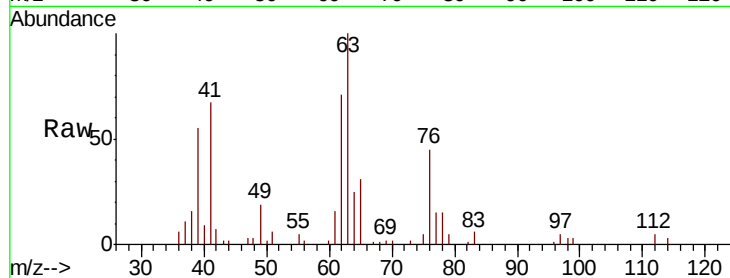
ClientSampleId :

Tot Ion: 63 Resp: 33225

Ion Ratio Lower Upper

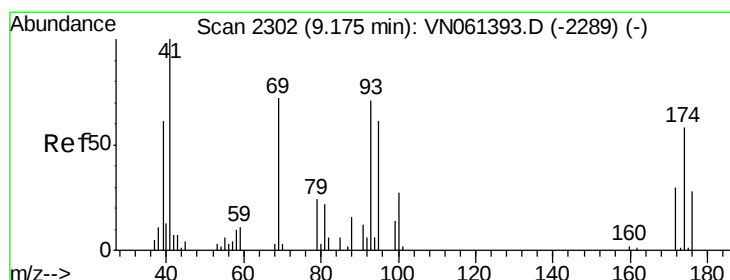
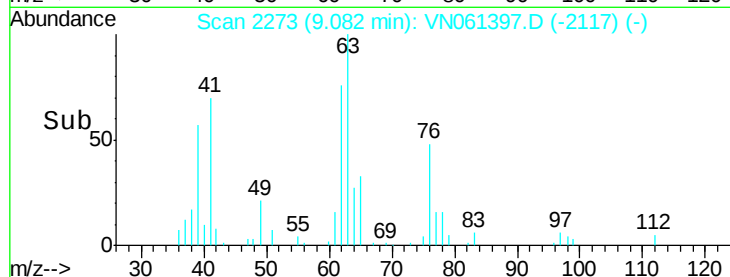
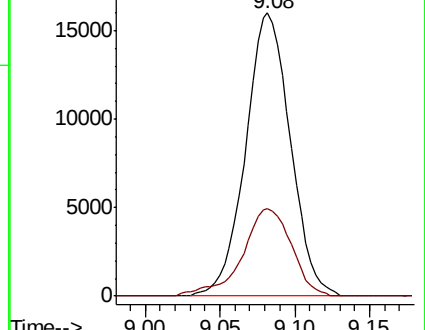
63 100

65 30.9 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VN061397.D (-2117) (-)

Ion 65.00 (64.70 to 65.70): VN061397.D (-2117) (-)



#40

Dibromomethane

Concen: 19.405 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

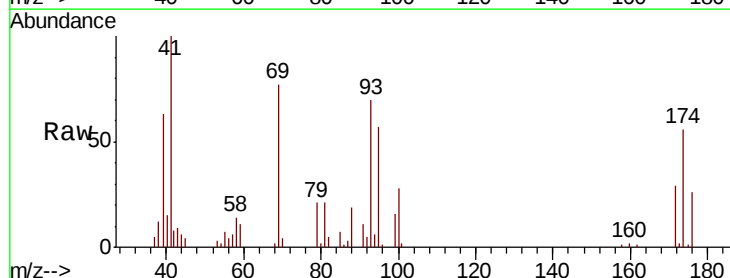
Tgt Ion: 93 Resp: 21211

Ion Ratio Lower Upper

93 100

95 83.6 0.0 167.6

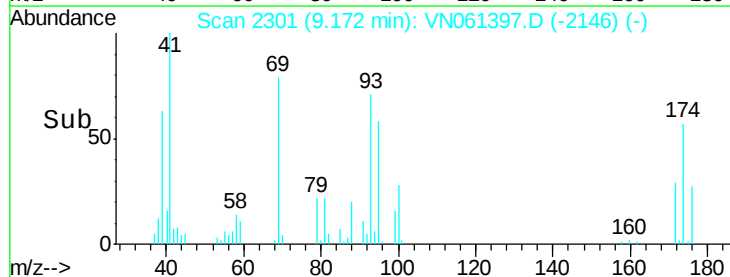
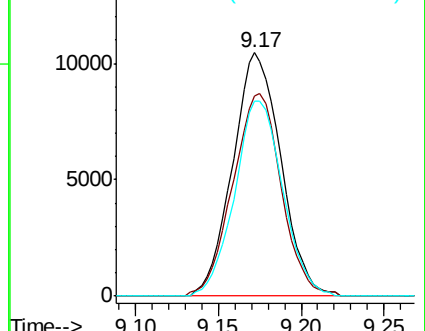
174 80.0 0.0 187.2

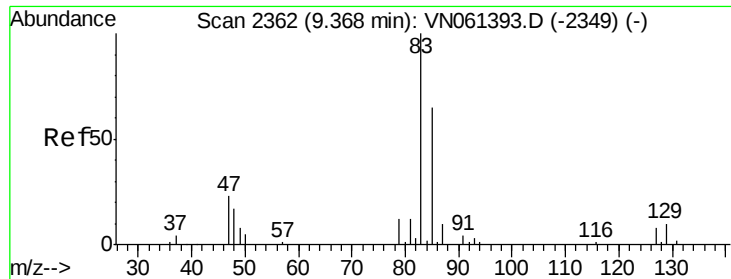


Abundance Ion 93.00 (92.70 to 93.70): VN061397.D (-2146) (-)

Ion 95.00 (94.70 to 95.70): VN061397.D (-2146) (-)

Ion 174.00 (173.70 to 174.70): VN061397.D (-2146) (-)

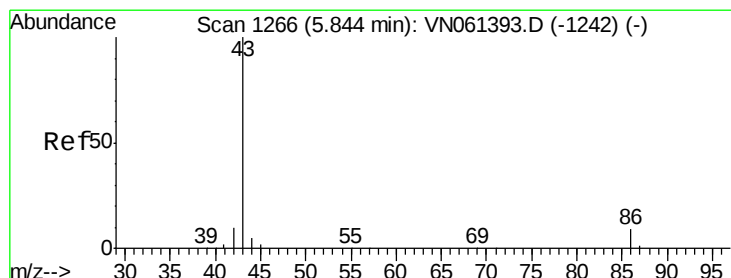
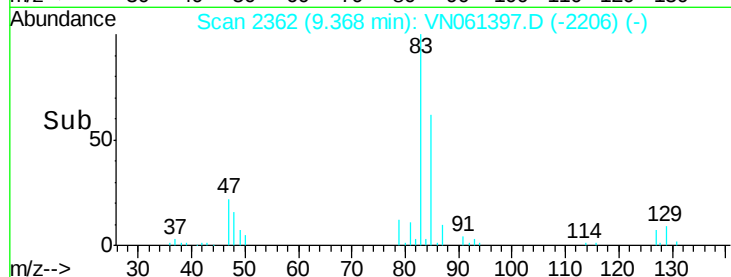
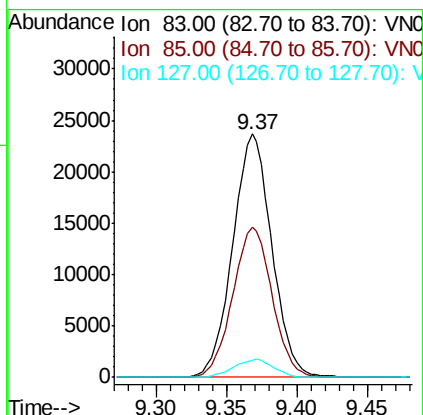
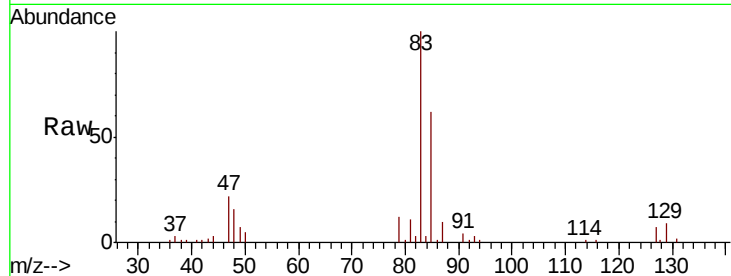




#41
 Bromodichloromethane
 Concen: 19.395 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

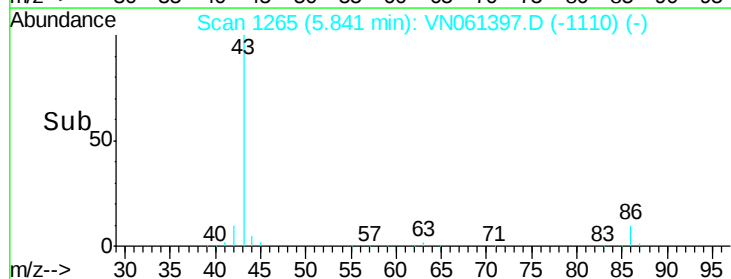
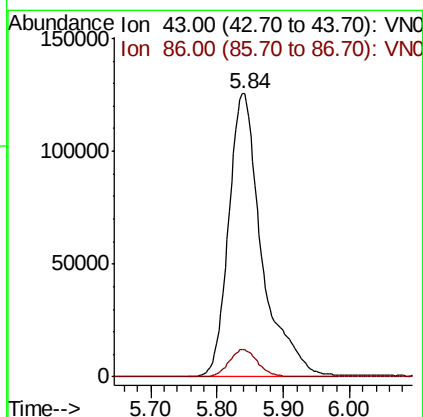
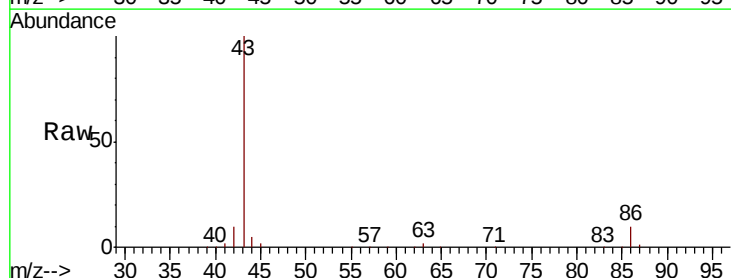
Instrument :
 MSVOA_N
 ClientSampleId :

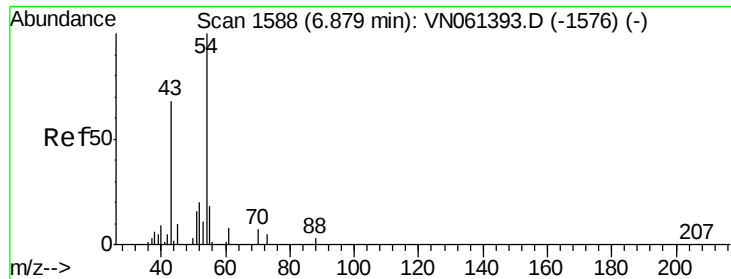
Tot Ion: 83 Resp: 45991
 Ion Ratio Lower Upper
 83 100
 85 61.9 51.0 76.4
 127 7.0 6.6 9.8



#42
 Vinyl Acetate
 Concen: 95.087 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion: 43 Resp: 434633
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.5 9.7





#43

Ethyl Acetate

Concen: 19.160 ug/l

RT: 6.88 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

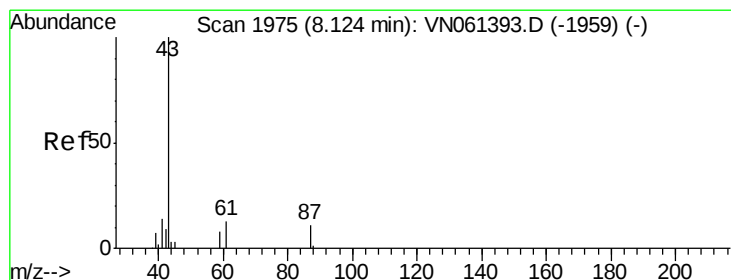
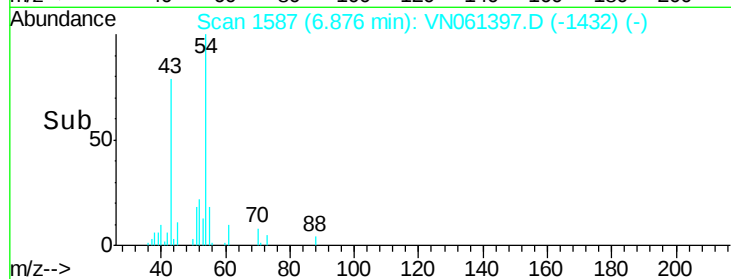
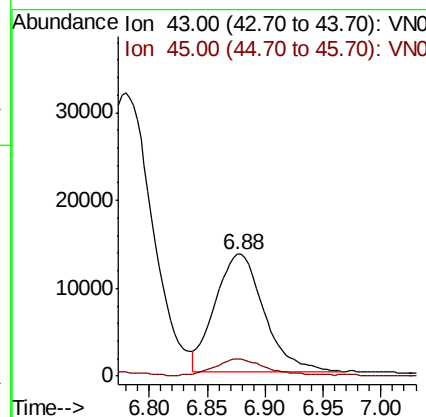
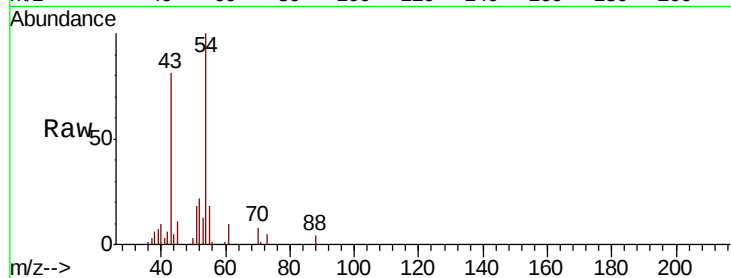
ClientSampled :

Tot Ion: 43 Resp: 39391

Ion Ratio Lower Upper

43 100

45 15.5 9.7 14.5#



#44

Isopropyl Acetate

Concen: 18.281 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN061397.D

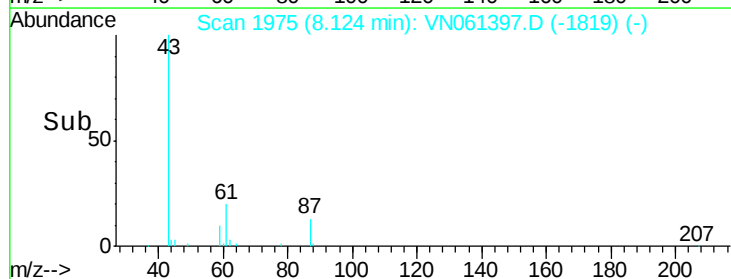
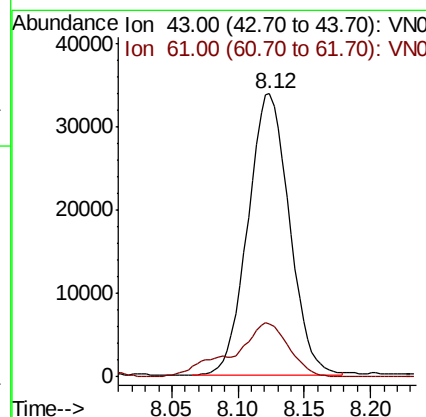
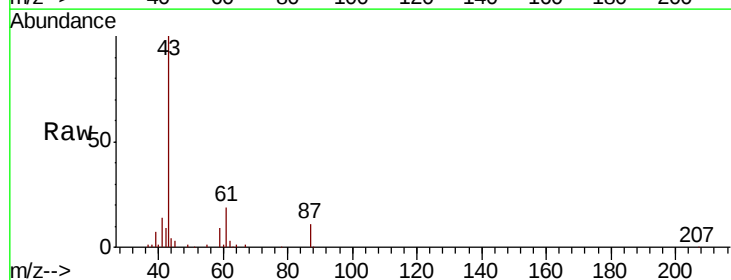
Acq: 14 May 2020 16:21

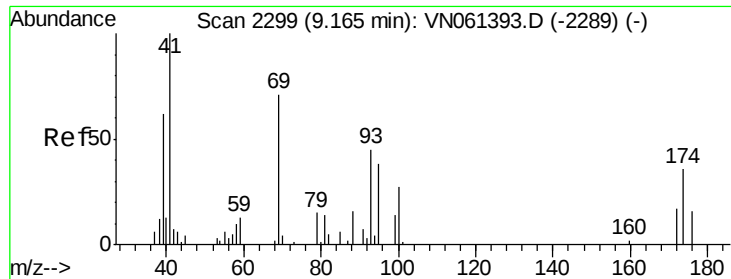
Tgt Ion: 43 Resp: 72972

Ion Ratio Lower Upper

43 100

61 19.7 19.9 29.9#



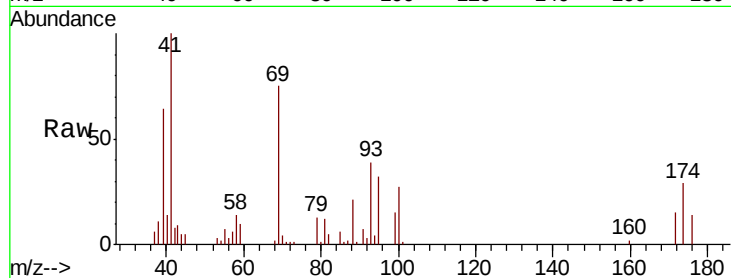


#45
 1,4-Dioxane
 Concen: 491.084 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

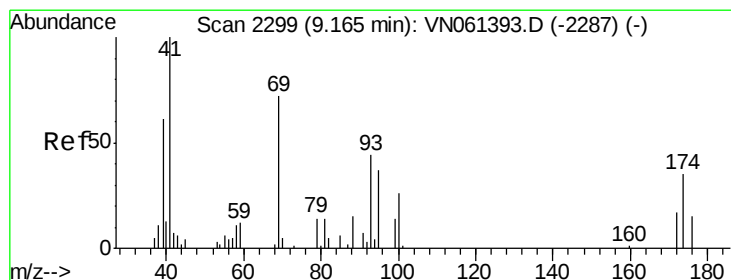
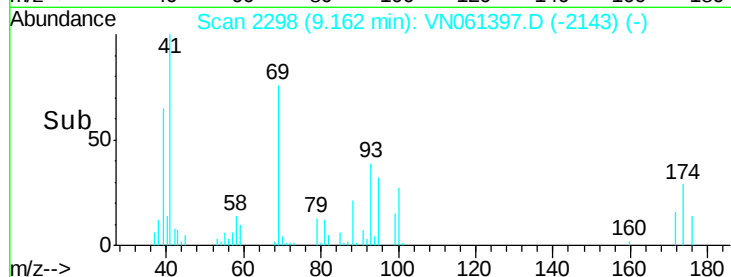
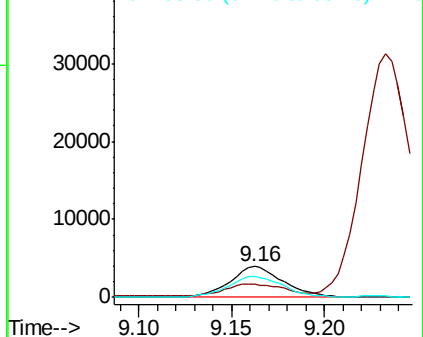
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 7736

Ion	Ratio	Lower	Upper
88	100		
43	40.9	29.8	44.8
58	71.5	58.2	87.4



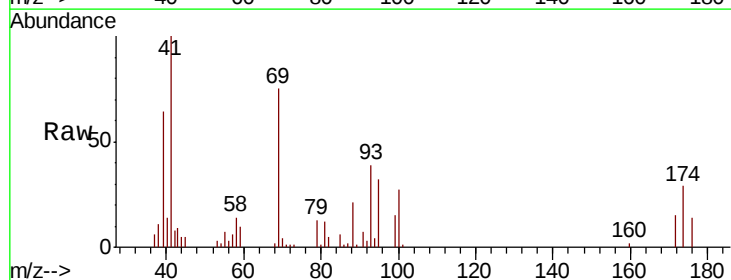
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0



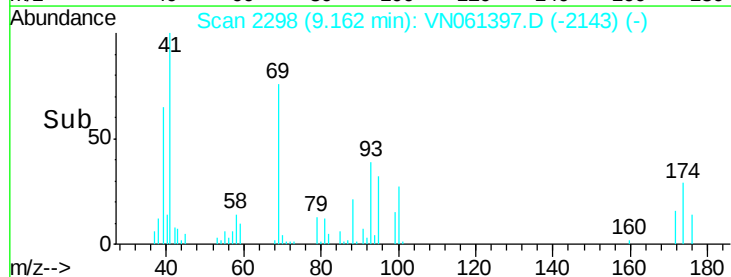
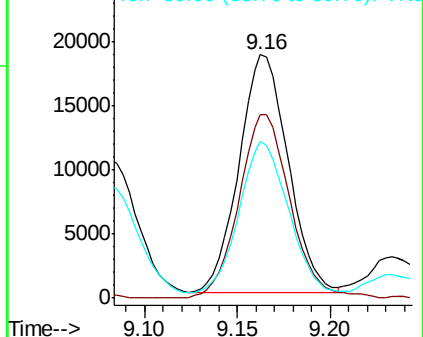
#46
 Methyl methacrylate
 Concen: 18.147 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

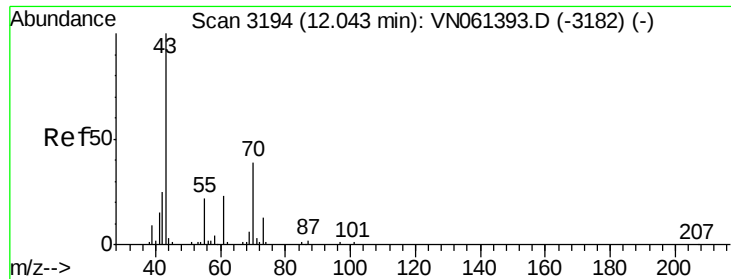
Tgt Ion: 41 Resp: 34064

Ion	Ratio	Lower	Upper
41	100		
69	77.3	40.2	120.5
39	63.9	29.9	89.8



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

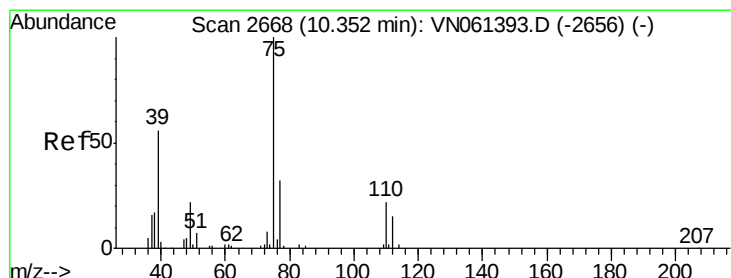
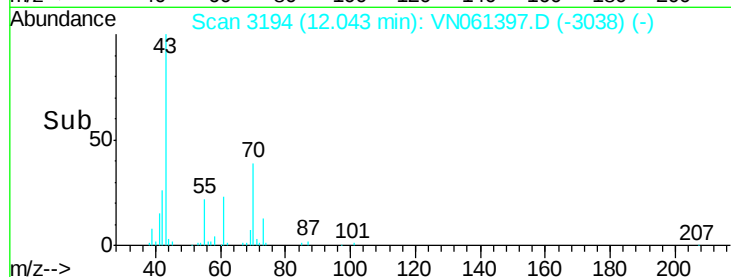
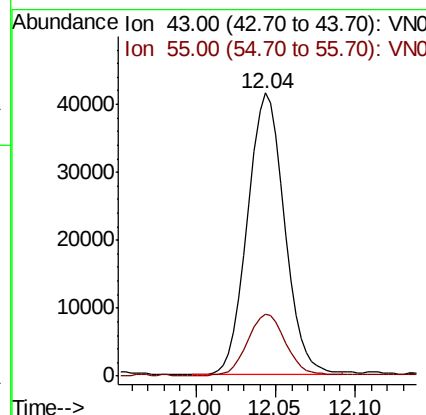
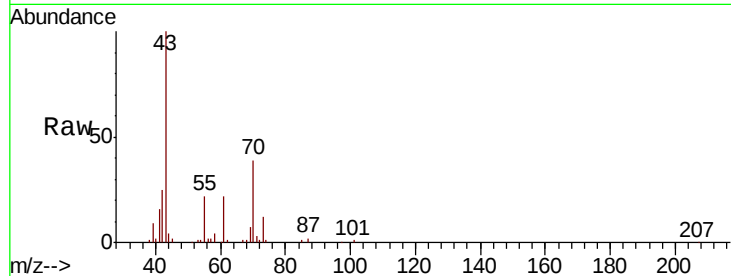




#47
n-amvl Acetate
Concen: 18.379 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

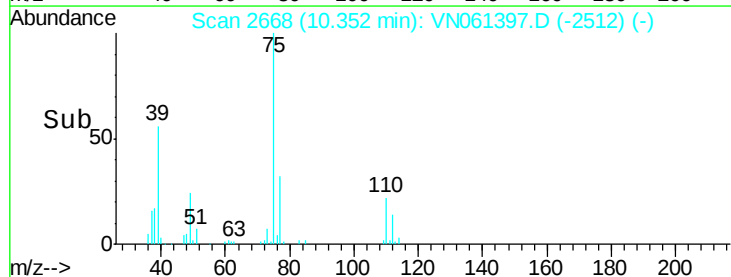
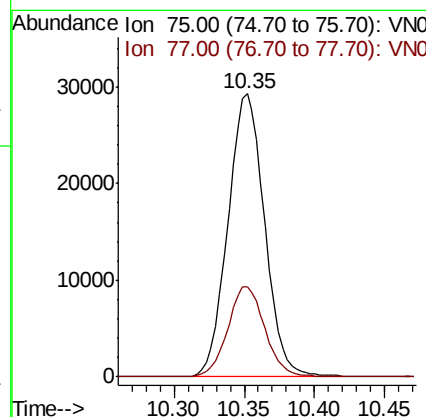
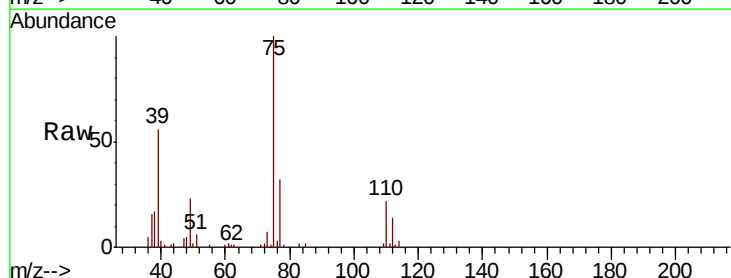
Instrument :
MSVOA_N
ClientSampled :

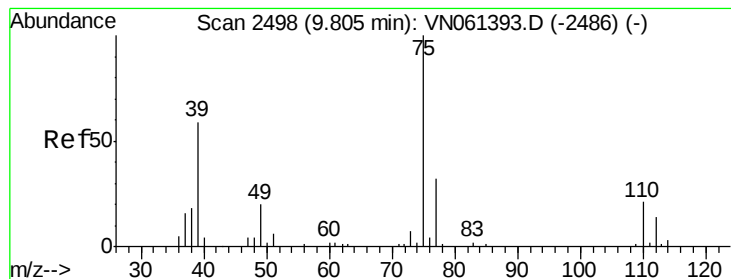
Tot Ion: 43 Resp: 65438
Ion Ratio Lower Upper
43 100
55 23.2 19.6 29.4



#48
t-1,3-Dichloropropene
Concen: 18.988 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 75 Resp: 53133
Ion Ratio Lower Upper
75 100
77 32.0 27.0 40.4



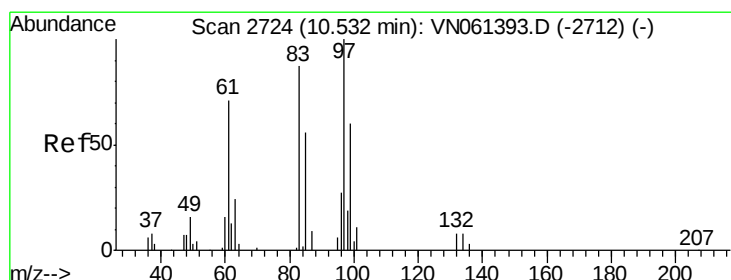
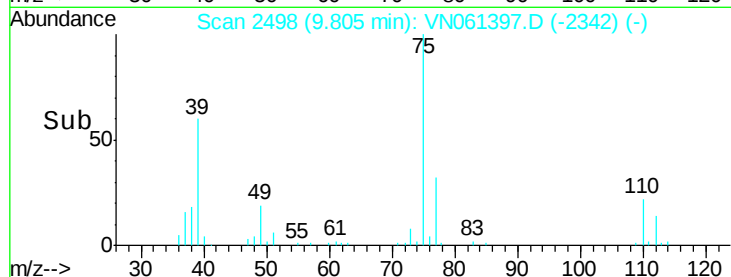
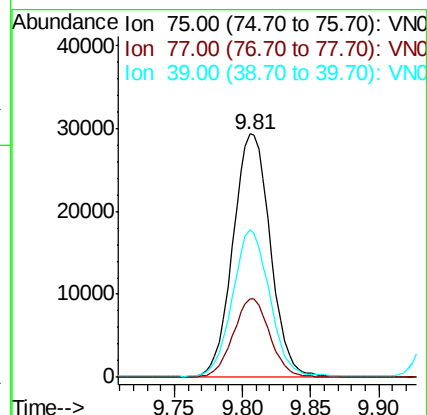
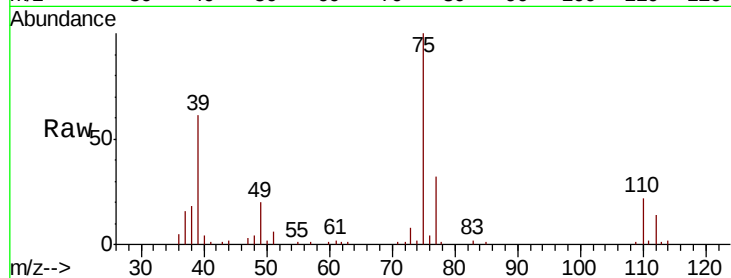


#49

cis-1,3-Dichloropropene
 Concen: 18.886 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Instrument :
 MSVOA_N
 ClientSampleId :

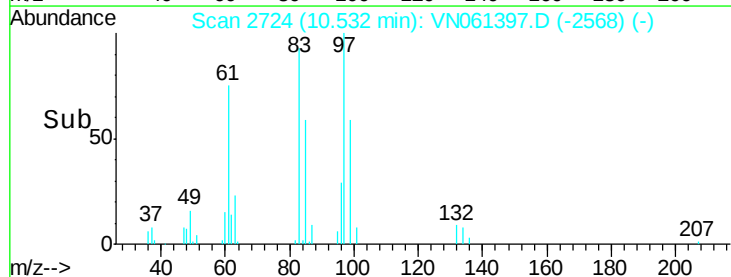
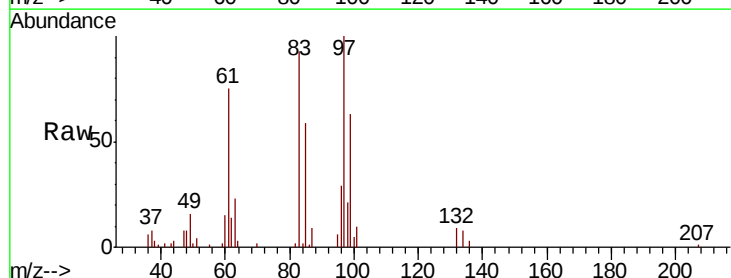
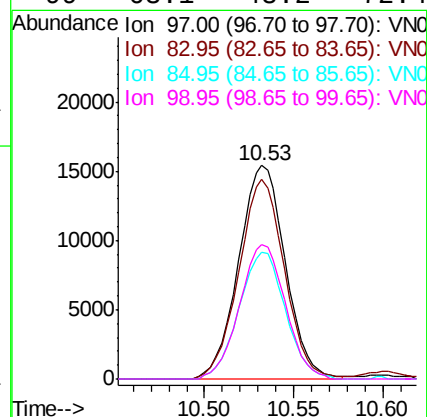
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.1	39.1
39	60.1	43.1	64.7

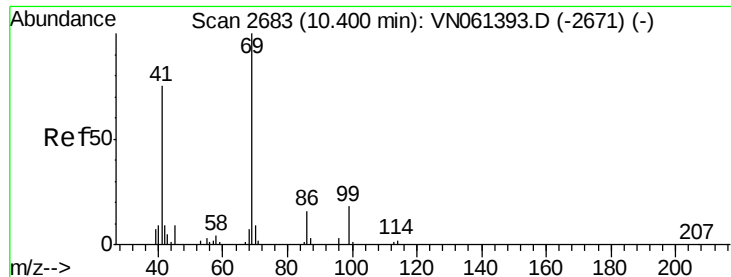


#50

1,1,2-Trichloroethane
 Concen: 18.621 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.3	70.7	106.1
85	59.2	45.1	67.7
99	63.1	48.2	72.4





#51

Ethyl methacrylate

Concen: 18.672 ug/l

RT: 10.40 min Scan# 2682

Delta R.T. -0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

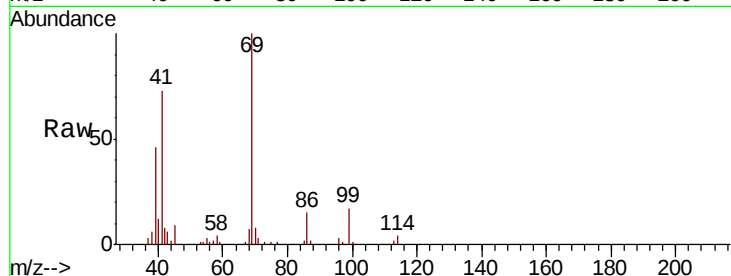
Tot Ion: 69 Resp: 48618

Ion Ratio Lower Upper

69 100

41 72.2 34.7 104.1

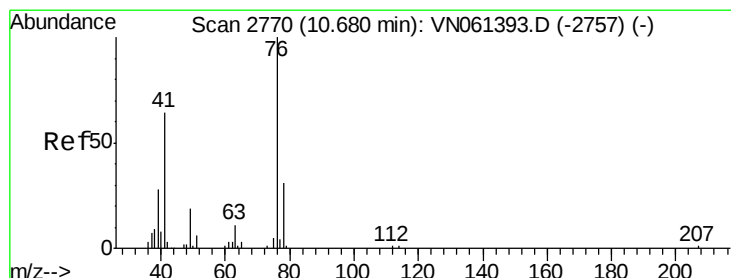
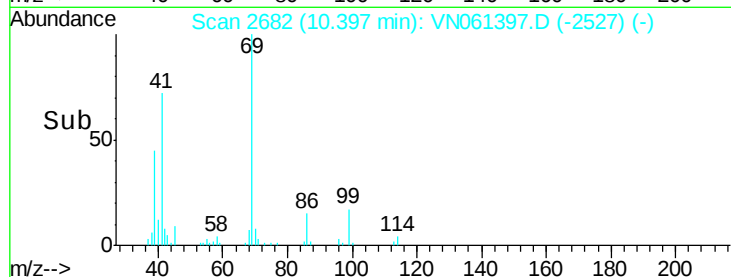
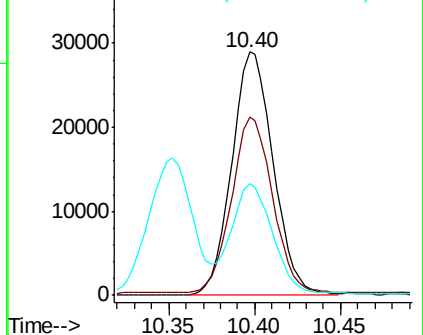
39 44.7 20.3 60.8



Abundance Ion 69.00 (68.70 to 69.70): VN061397.D (-2671) (-)

Ion 41.00 (40.70 to 41.70): VN061397.D (-2671) (-)

Ion 39.00 (38.70 to 39.70): VN061397.D (-2671) (-)



#52

1,3-Dichloropropane

Concen: 19.228 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061397.D

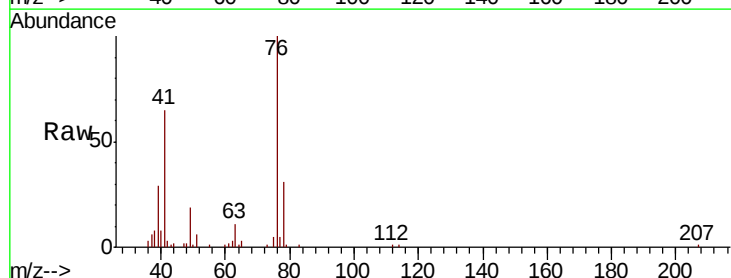
Acq: 14 May 2020 16:21

Tgt Ion: 76 Resp: 53063

Ion Ratio Lower Upper

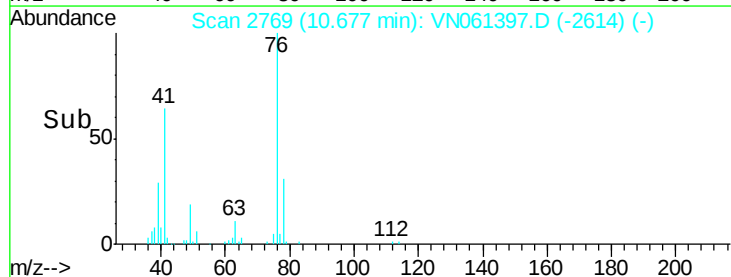
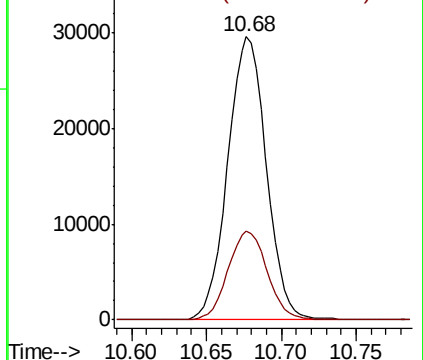
76 100

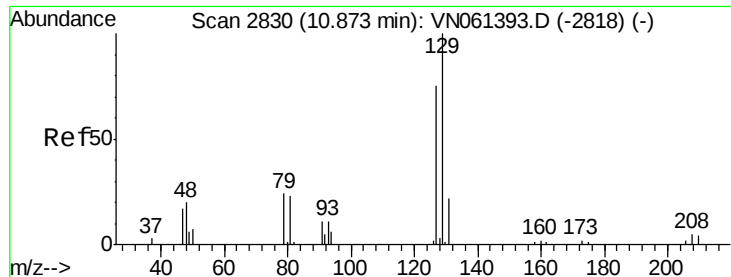
78 31.7 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN061397.D (-2614) (-)

Ion 78.00 (77.70 to 78.70): VN061397.D (-2614) (-)





#53

Dibromochloromethane

Concen: 18.610 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

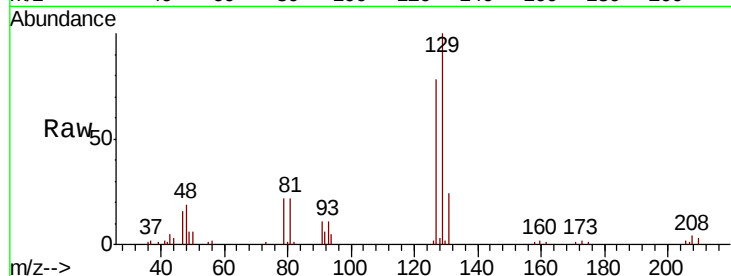
ClientSampled :

Tot Ion:129 Resp: 30818

Ion Ratio Lower Upper

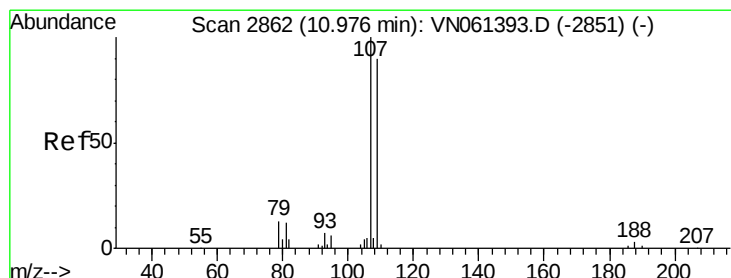
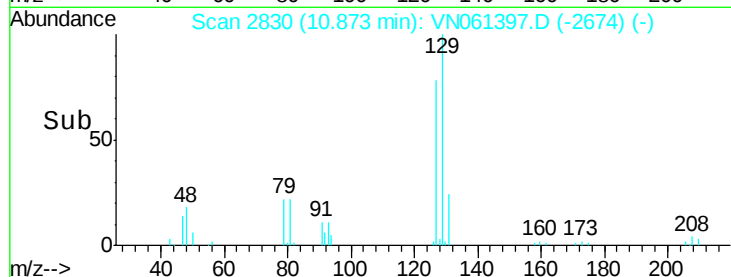
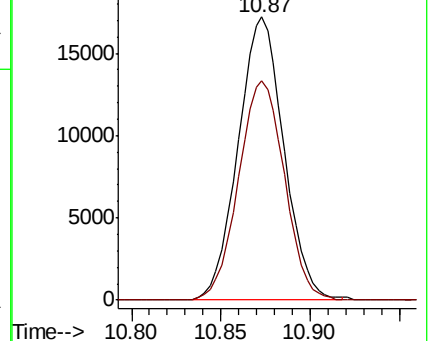
129 100

127 77.9 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: 18.756 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VN061397.D

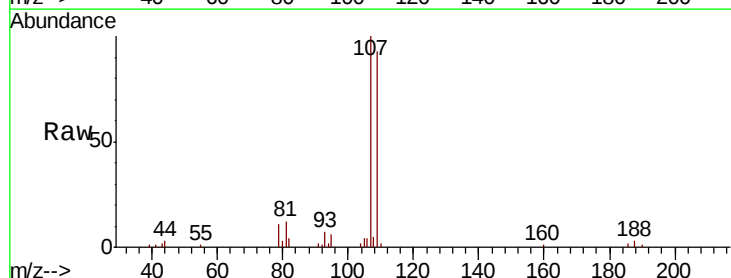
Acq: 14 May 2020 16:21

Tgt Ion:107 Resp: 29249

Ion Ratio Lower Upper

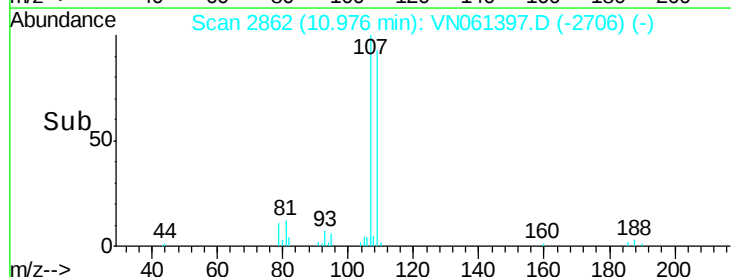
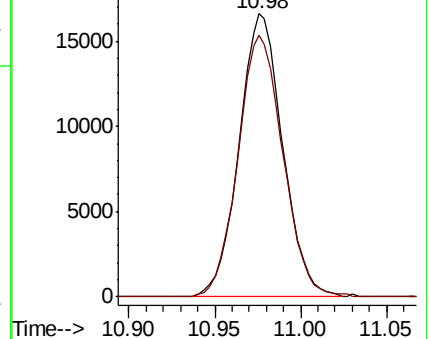
107 100

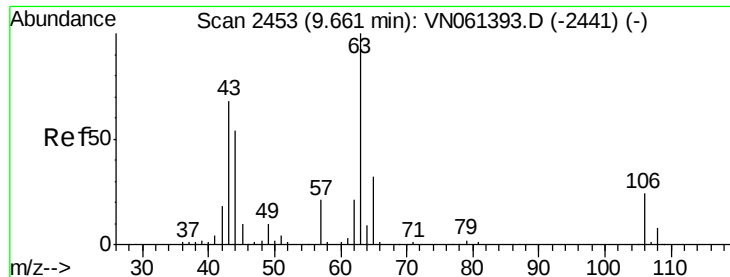
109 95.2 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

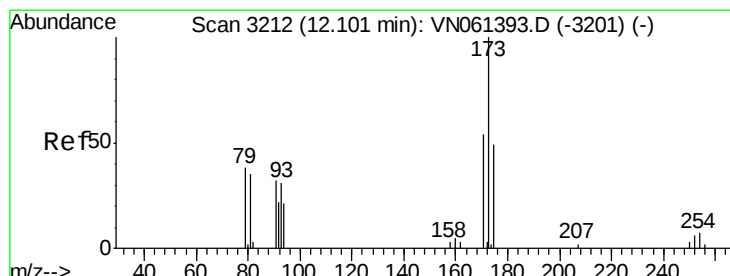
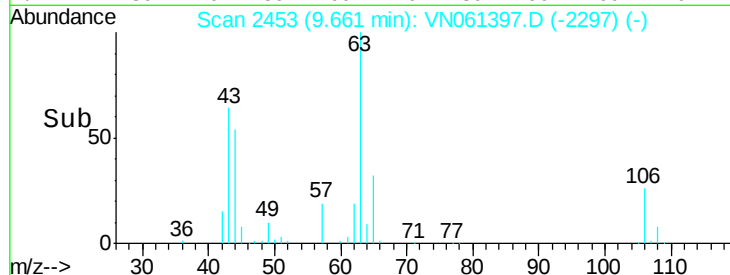
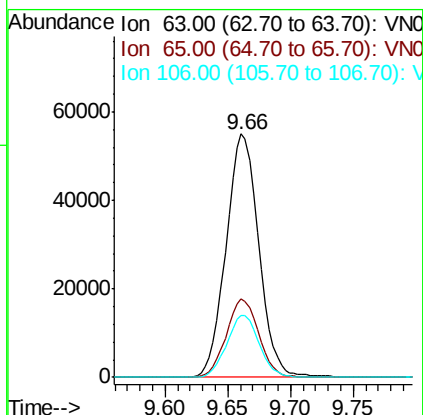
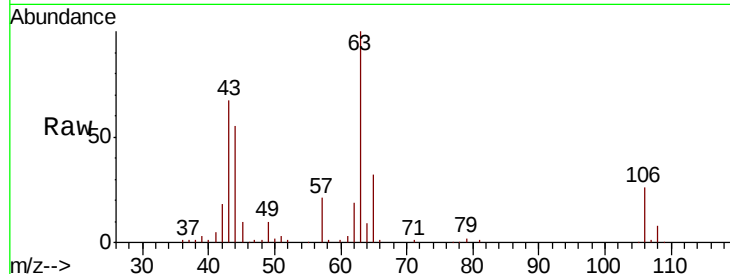




#55
2-Chloroethyl vinyl ether
Concen: 86.513 ug/l
RT: 9.66 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

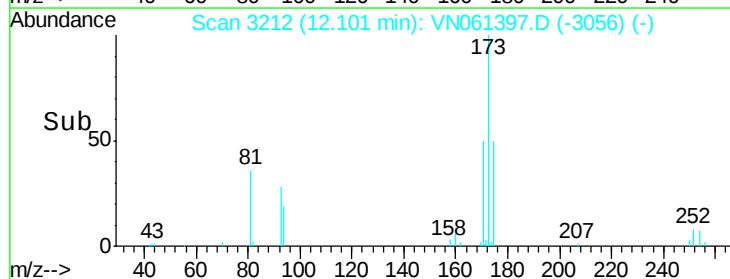
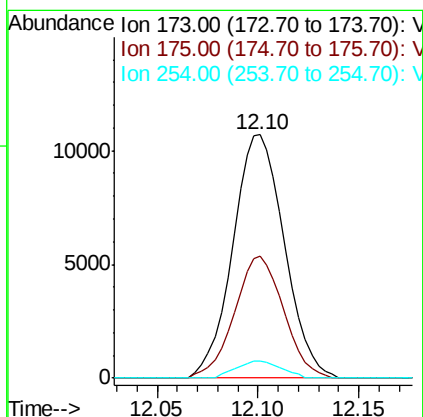
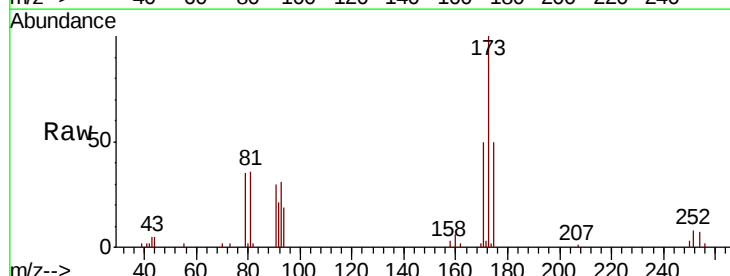
Instrument :
MSVOA_N
ClientSampleId :

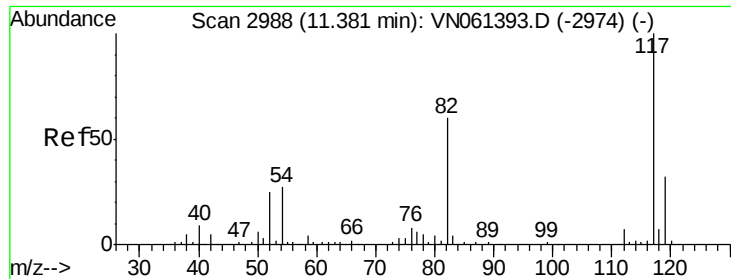
Tot Ion: 63 Resp: 99694
Ion Ratio Lower Upper
63 100
65 31.9 25.3 37.9
106 25.3 19.8 29.6



#56
Bromoform
Concen: 18.357 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 173 Resp: 19118
Ion Ratio Lower Upper
173 100
175 47.8 38.7 58.1
254 6.1 7.4 11.2#

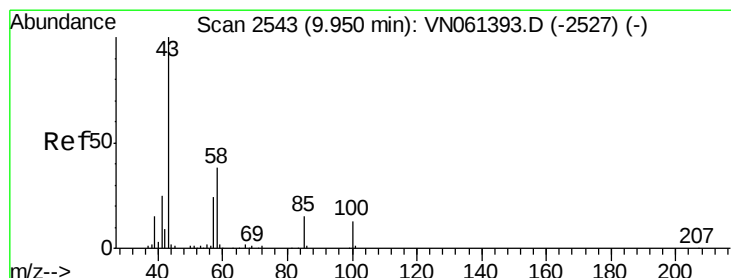
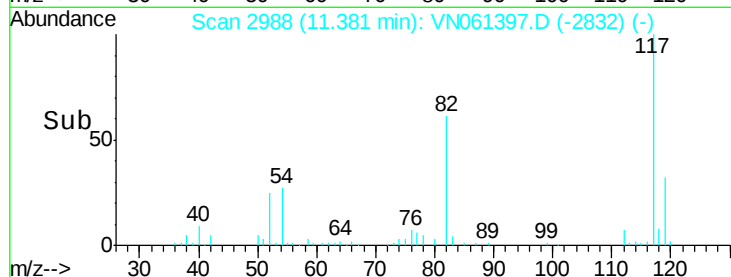
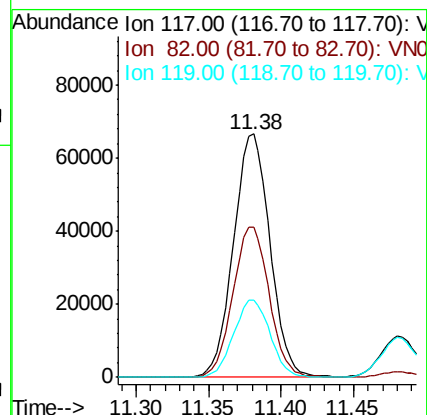
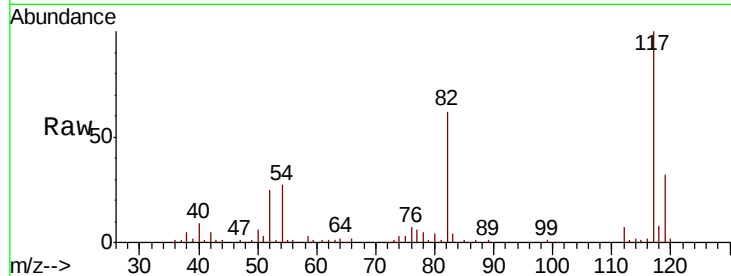




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

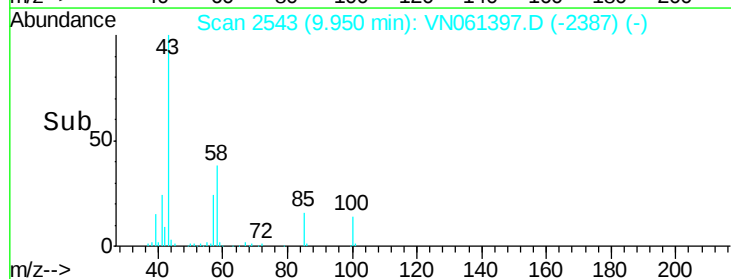
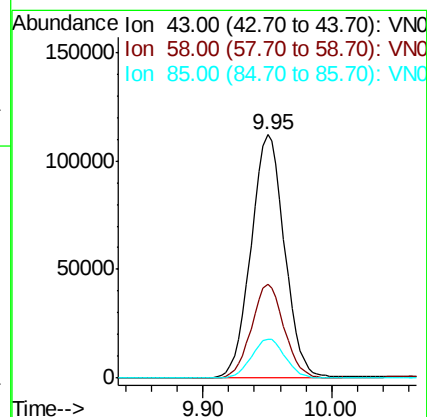
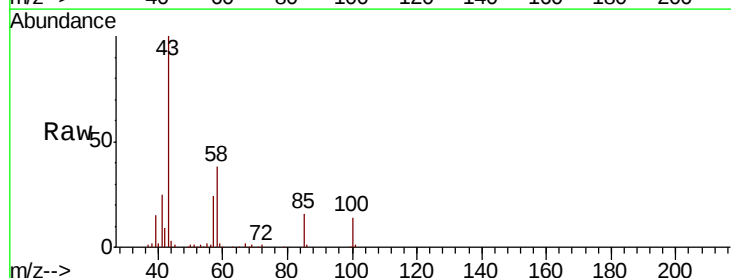
Instrument :
MSVOA_N
ClientSampleId :

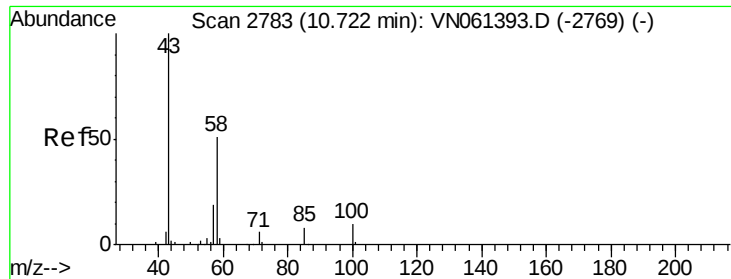
Tot Ion:117 Resp: 116550
Ion Ratio Lower Upper
117 100
82 61.5 46.9 70.3
119 31.8 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 95.058 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 43 Resp: 201888
Ion Ratio Lower Upper
43 100
58 37.9 30.1 45.1
85 16.2 13.2 19.8

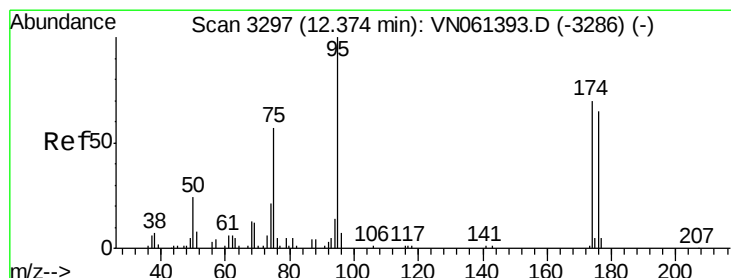
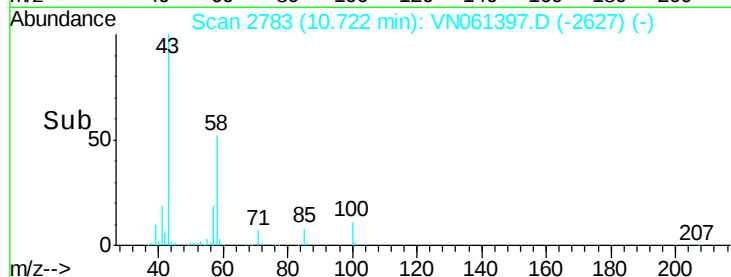
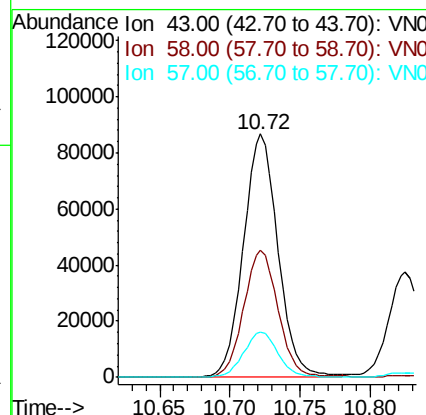
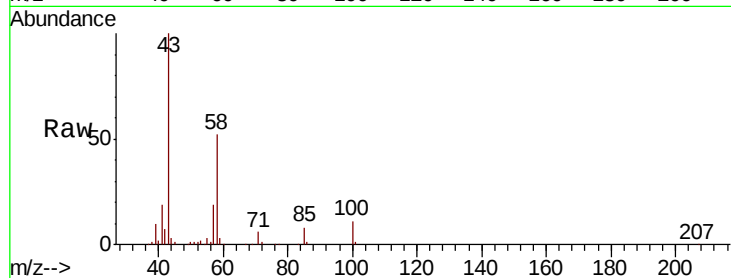




#59
2-Hexanone
Concen: 98.231 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

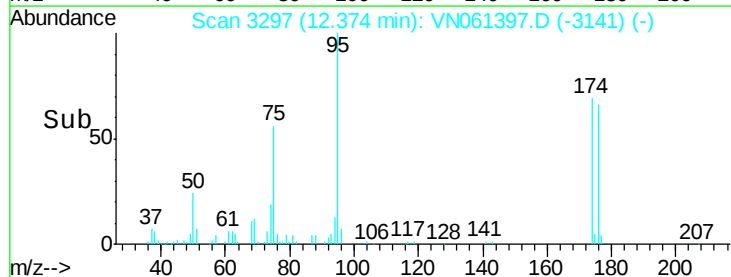
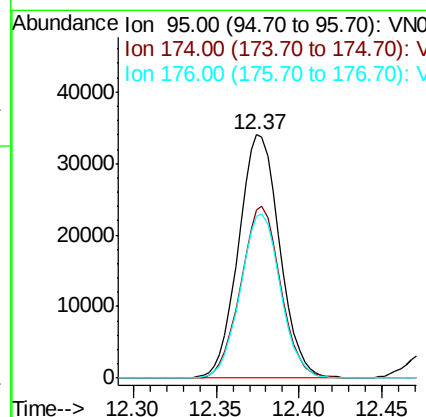
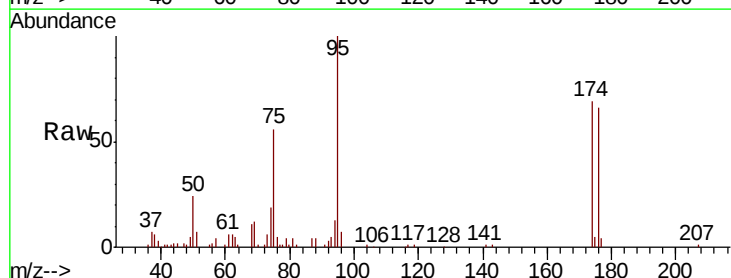
Instrument :
MSVOA_N
ClientSampled :

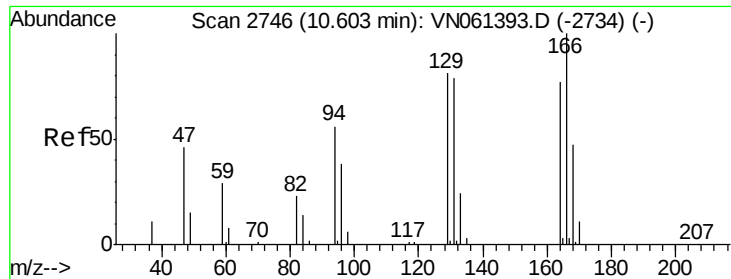
Tot Ion: 43 Resp: 147570
Ion Ratio Lower Upper
43 100
58 52.8 41.4 62.0
57 18.7 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.482 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 95 Resp: 58663
Ion Ratio Lower Upper
95 100
174 68.1 59.9 89.9
176 65.6 58.3 87.5

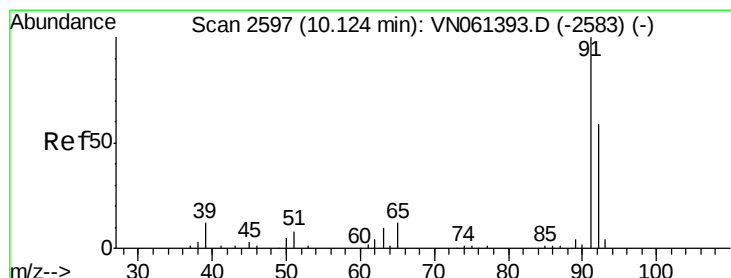
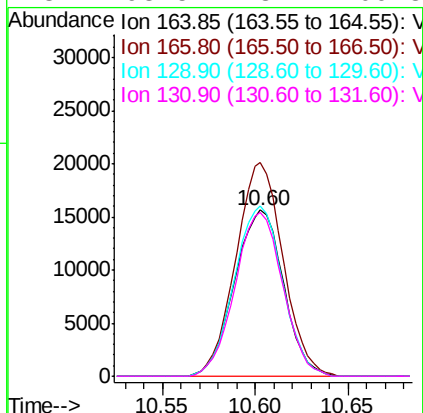
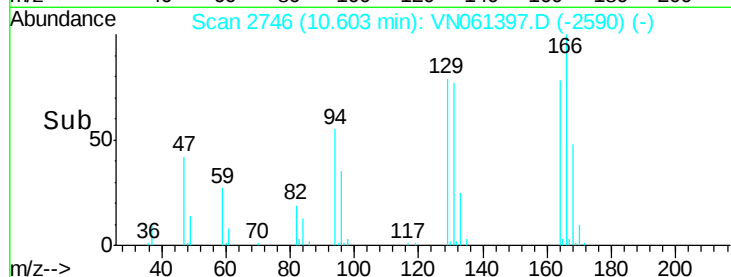
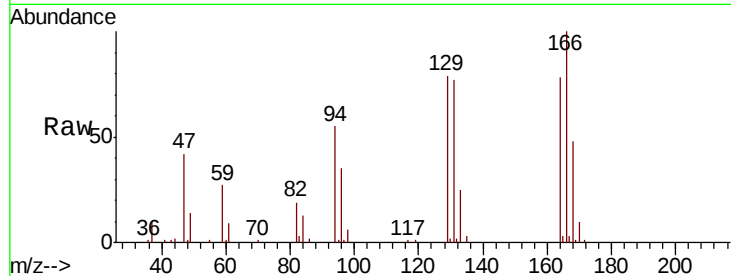




#61
Tetrachloroethene
Concen: 19.699 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

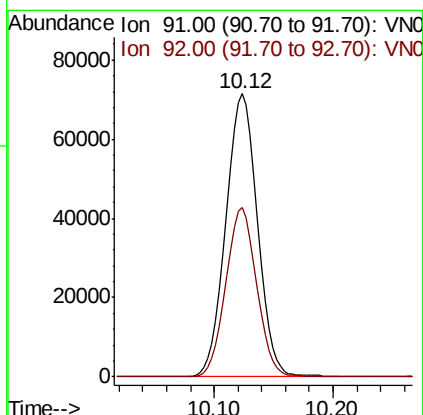
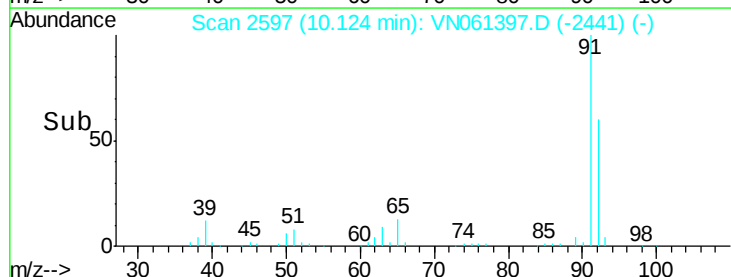
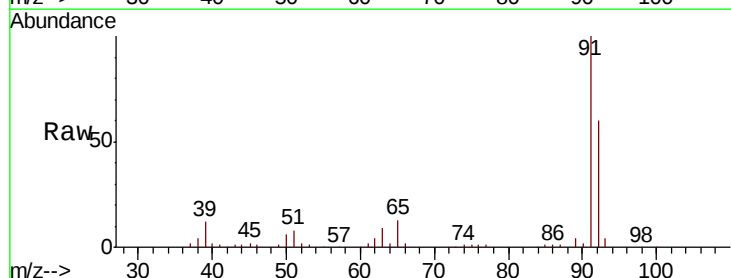
Instrument :
MSVOA_N
ClientSampled :

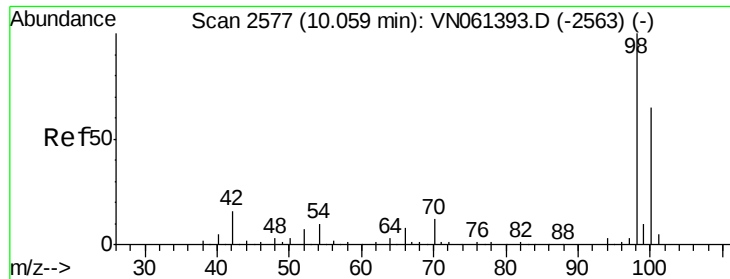
Tot Ion:164 Resp: 28711
Ion Ratio Lower Upper
164 100
166 128.6 101.4 152.2
129 102.1 78.1 117.1
131 98.5 73.2 109.8



#62
Toluene
Concen: 19.510 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 91 Resp: 131848
Ion Ratio Lower Upper
91 100
92 58.1 45.4 68.2





#63

Toluene-d8

Concen: 30.550 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

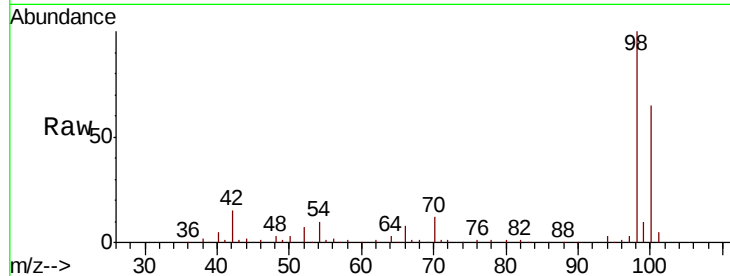
ClientSampleId :

Tot Ion: 98 Resp: 164861

Ion Ratio Lower Upper

98 100

100 64.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN061397.D (-2563) (-)

Ion 100.00 (99.70 to 100.70): VN061397.D (-2563) (-)

10.06

80000

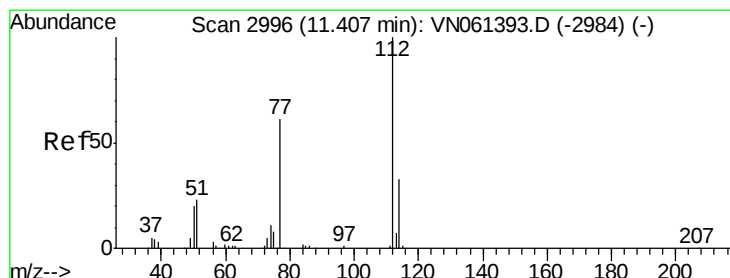
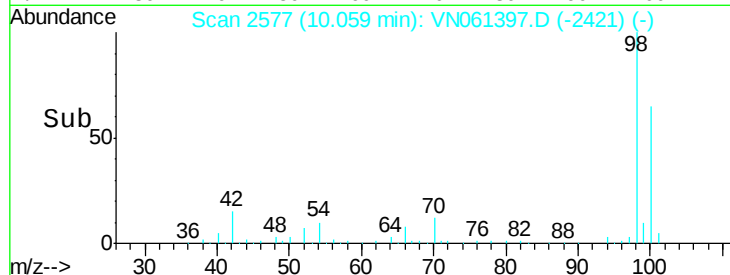
60000

40000

20000

0

Time-->



#64

Chlorobenzene

Concen: 19.528 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061397.D

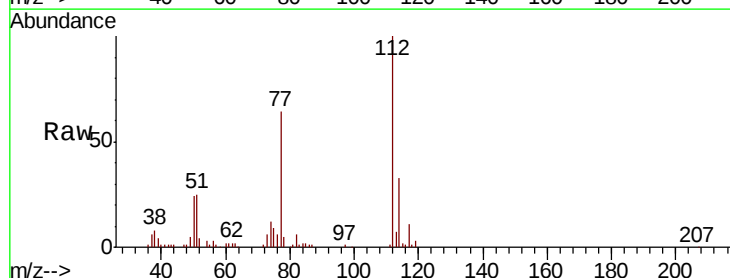
Acq: 14 May 2020 16:21

Tgt Ion: 112 Resp: 78109

Ion Ratio Lower Upper

112 100

114 33.1 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN061397.D (-2984) (-)

Ion 114.00 (113.70 to 114.70): VN061397.D (-2984) (-)

11.41

50000

40000

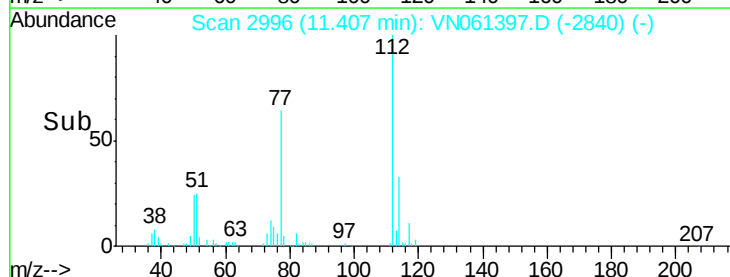
30000

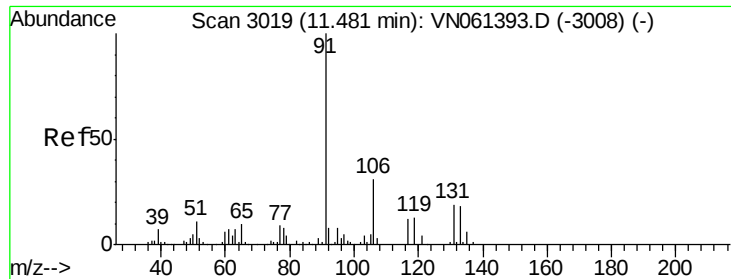
20000

10000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.323 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

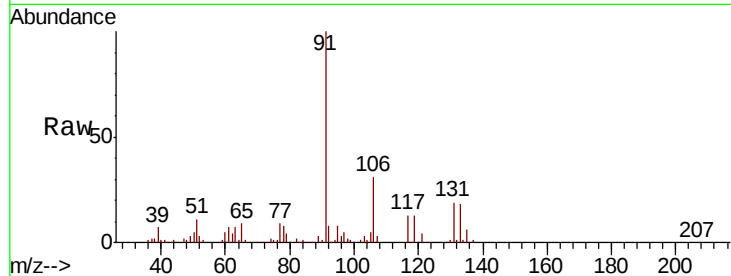
Tot Ion:131 Resp: 28242

Ion Ratio Lower Upper

131 100

133 95.5 0.0 194.0

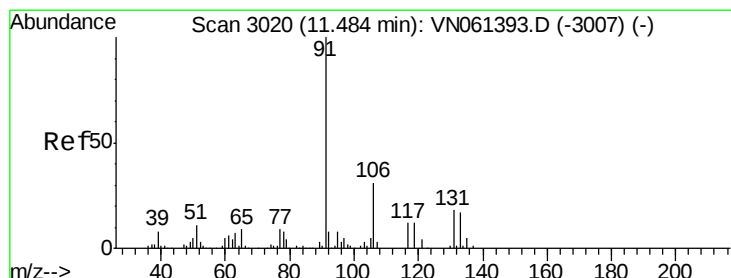
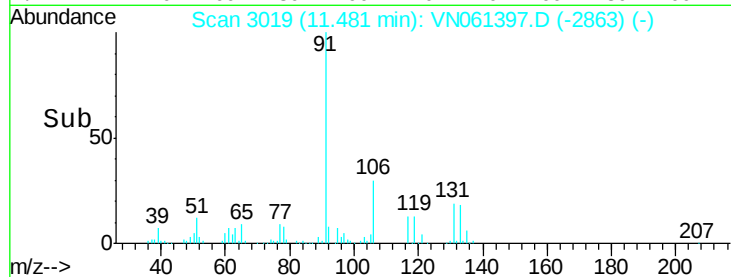
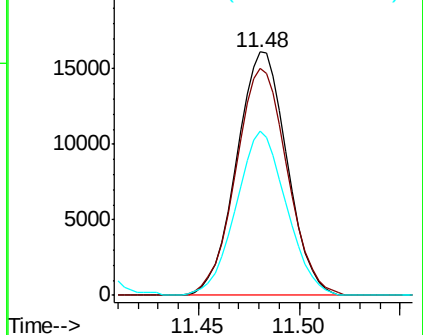
119 67.2 0.0 136.8



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: 19.249 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061397.D

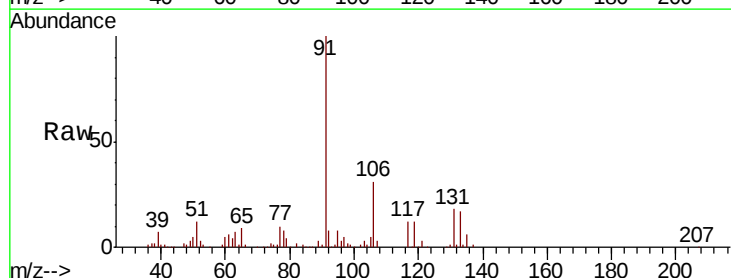
Acq: 14 May 2020 16:21

Tgt Ion: 91 Resp: 149285

Ion Ratio Lower Upper

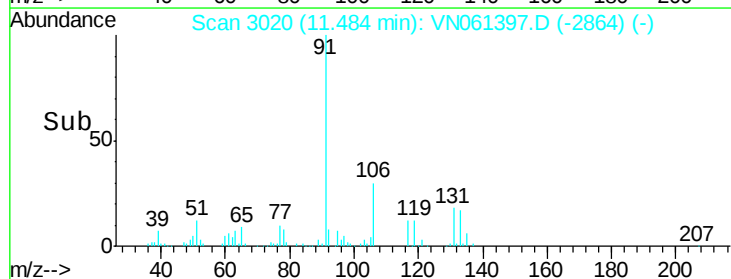
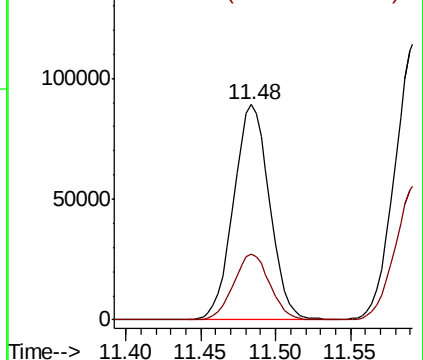
91 100

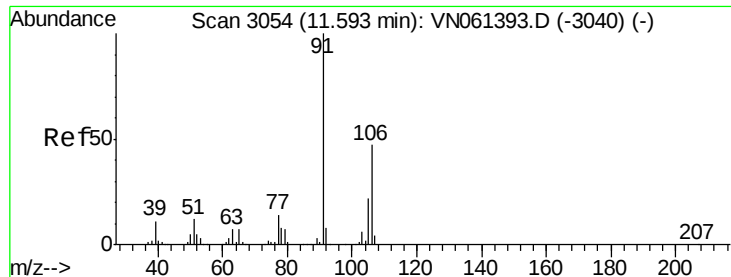
106 30.8 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 38.489 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

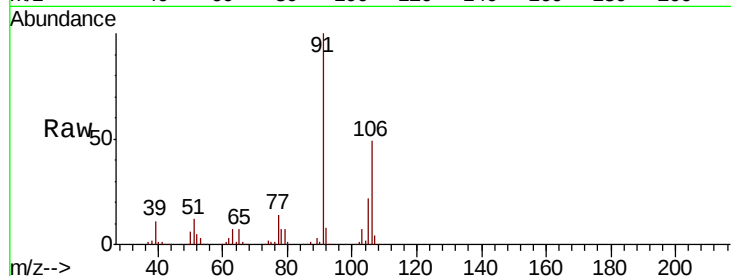
ClientSampleId :

Tot Ion:106 Resp: 110231

Ion Ratio Lower Upper

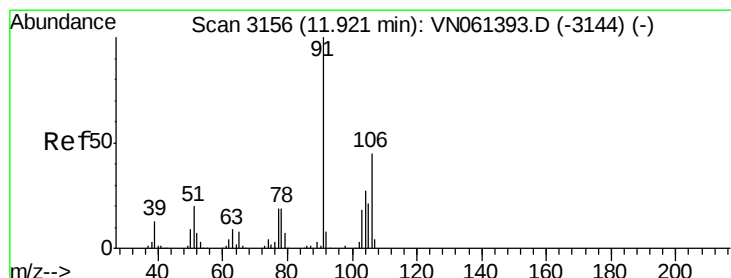
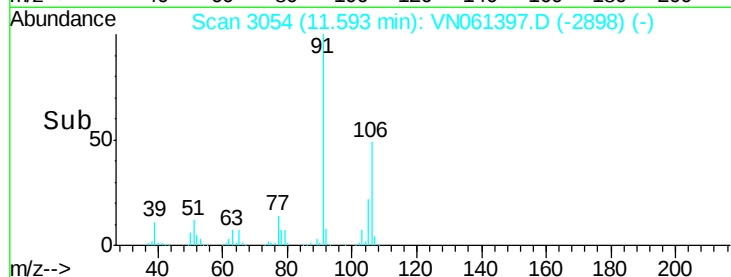
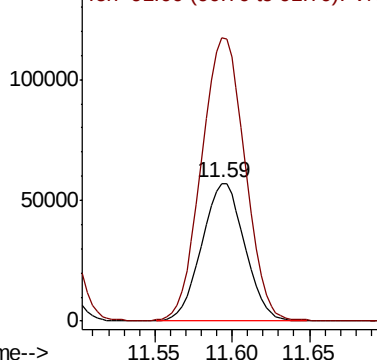
106 100

91 208.3 165.6 248.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.472 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN061397.D

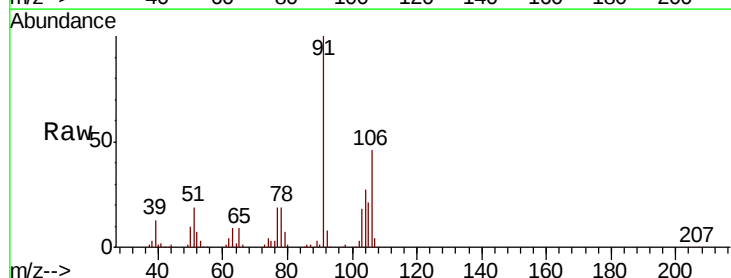
Acq: 14 May 2020 16:21

Tgt Ion:106 Resp: 53222

Ion Ratio Lower Upper

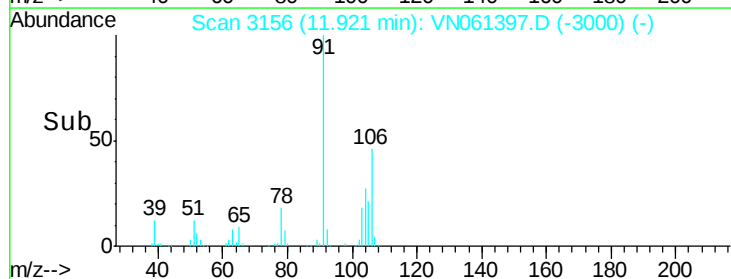
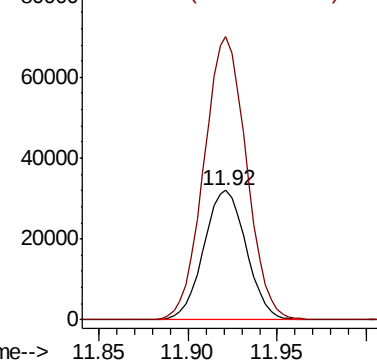
106 100

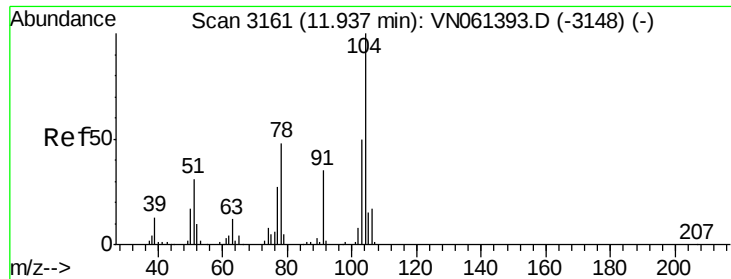
91 218.8 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

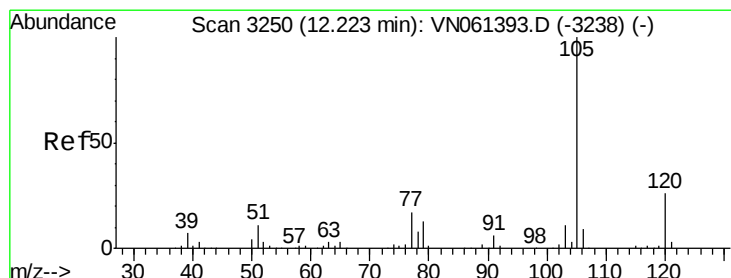
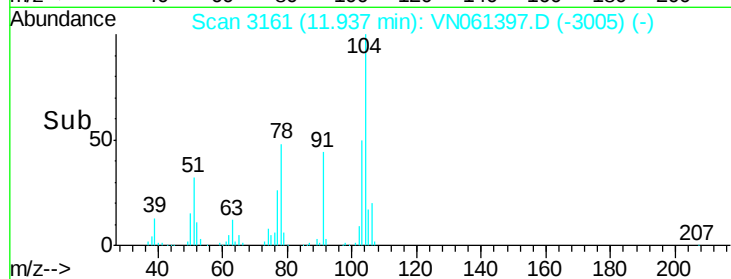
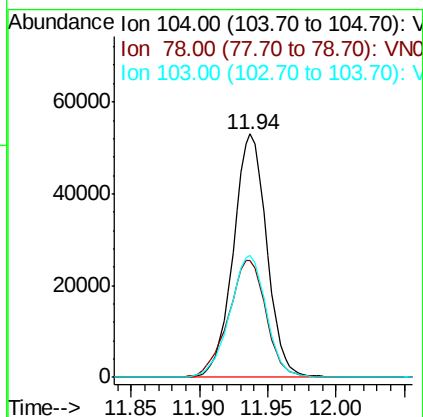
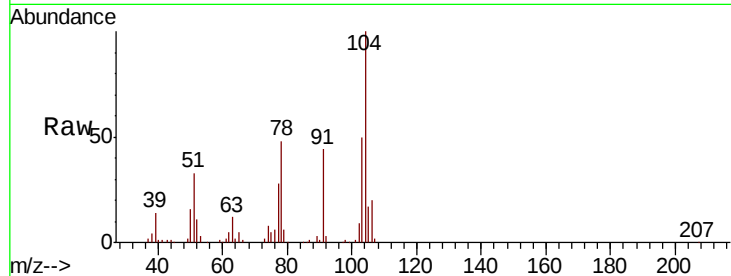




#69
Stvrene
Concen: 19.185 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

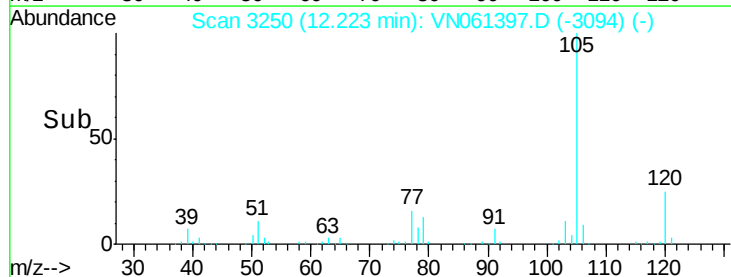
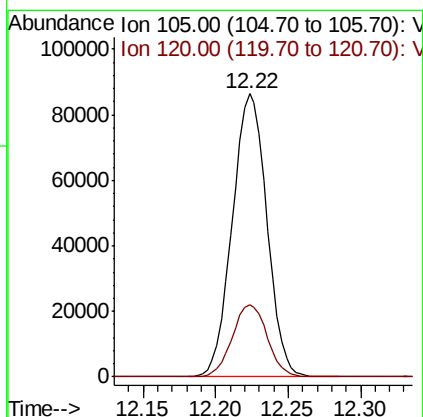
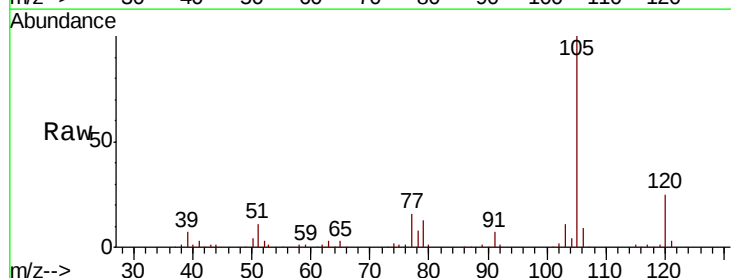
Instrument :
MSVOA_N
ClientSampleId :

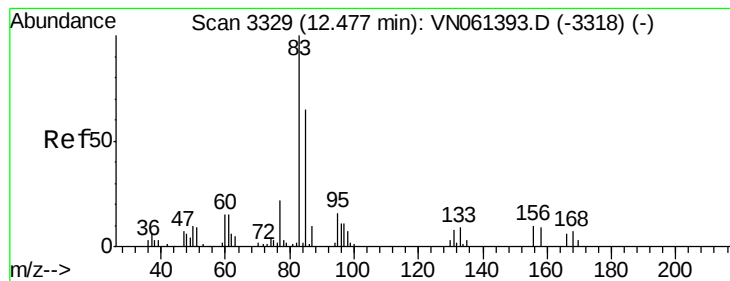
Tot Ion:104 Resp: 90233
Ion Ratio Lower Upper
104 100
78 54.1 42.4 63.6
103 54.3 44.6 66.8



#70
Isopropylbenzene
Concen: 19.292 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion:105 Resp: 142875
Ion Ratio Lower Upper
105 100
120 25.8 18.4 34.2





#71

1,1,2,2-Tetrachloroethane

Concen: 19.132 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

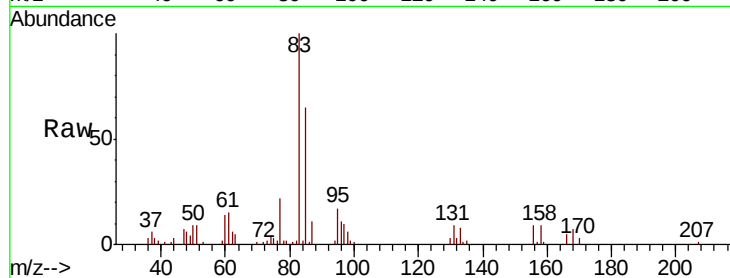
Tot Ion: 83 Resp: 39143

Ion Ratio Lower Upper

83 100

131 9.2 4.9 14.7

85 66.1 31.6 94.7

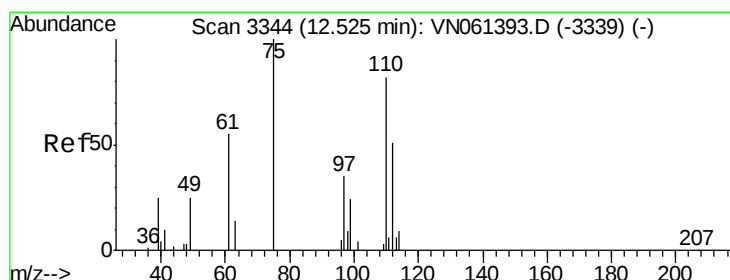
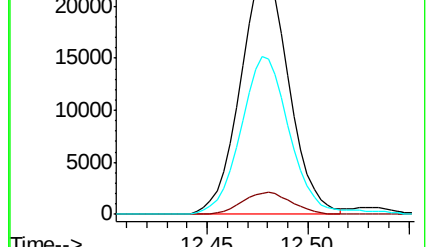
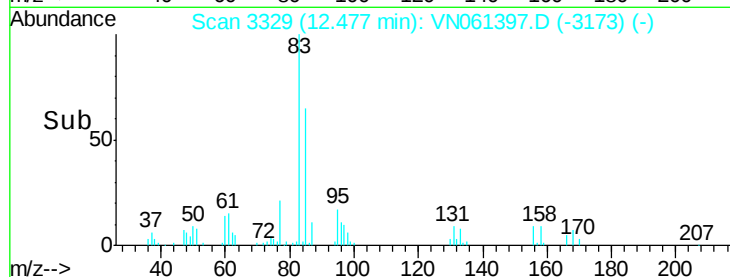


Abundance Ion 83.00 (82.70 to 83.70): VN061397.D (-3329) (-)

Ion 131.00 (130.70 to 131.70): VN061397.D (-3329) (-)

Ion 85.00 (84.70 to 85.70): VN061397.D (-3329) (-)

Time-->



#72

1,2,3-Trichloropropane

Concen: 28.397 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061397.D

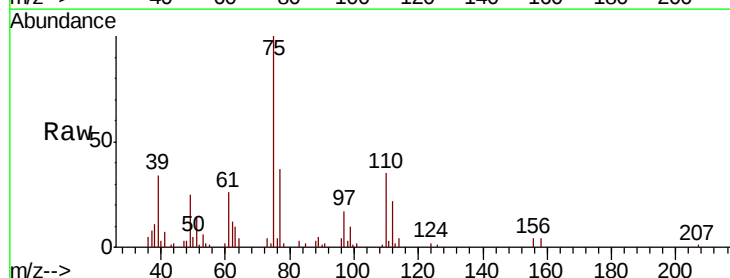
Acq: 14 May 2020 16:21

Tgt Ion: 75 Resp: 55414

Ion Ratio Lower Upper

75 100

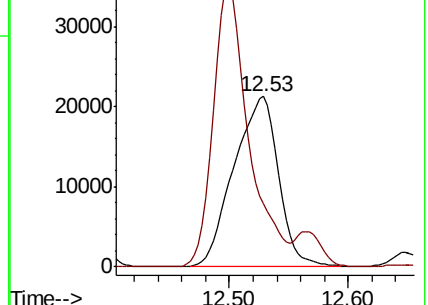
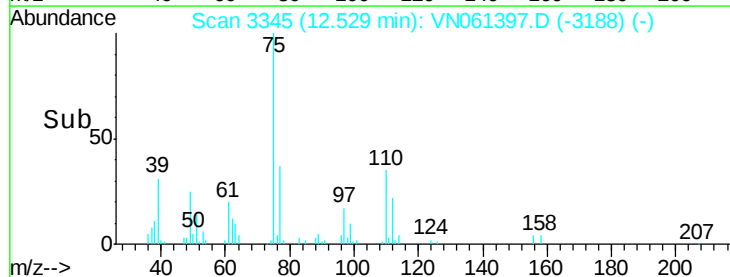
77 131.3 0.0 359.4

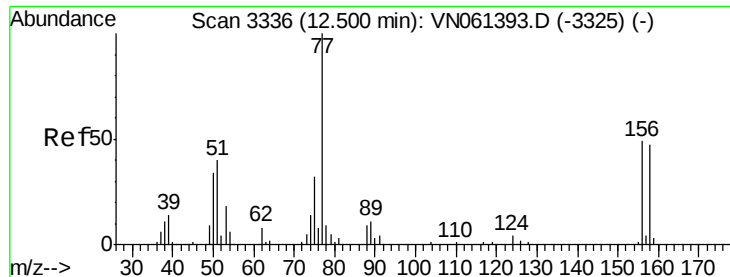


Abundance Ion 75.00 (74.70 to 75.70): VN061397.D (-3344) (-)

Ion 77.00 (76.70 to 77.70): VN061397.D (-3344) (-)

Time-->





#73

Bromobenzene

Concen: 19.197 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

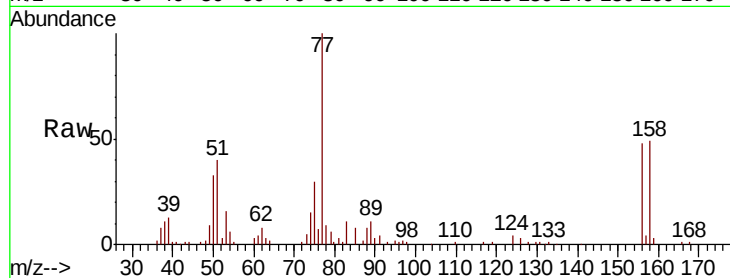
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:156 Resp: 29530

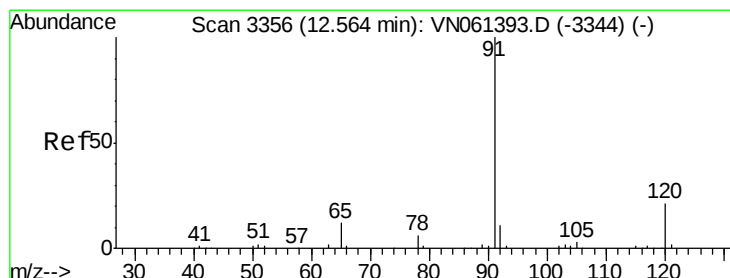
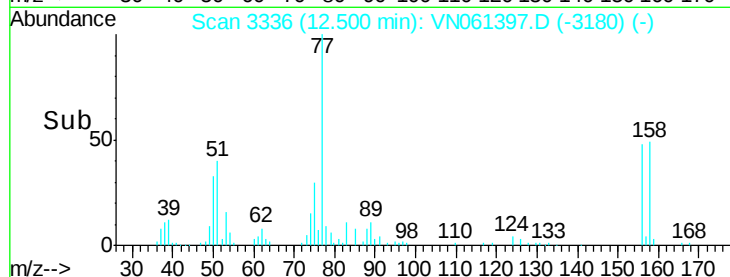
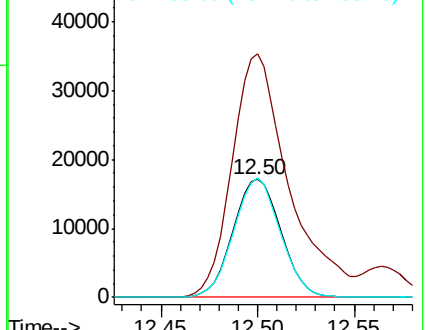
Ion	Ratio	Lower	Upper
156	100		
77	246.5	0.0	456.0
158	98.2	0.0	195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.266 ug/l

RT: 12.56 min Scan# 3356

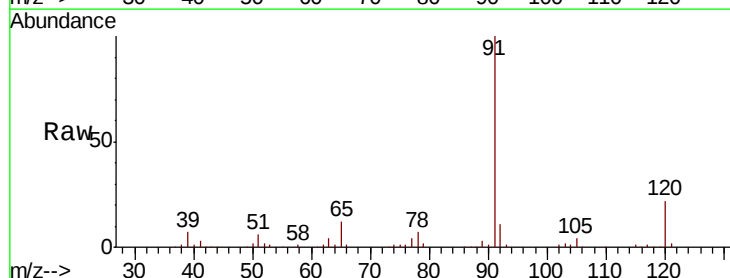
Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

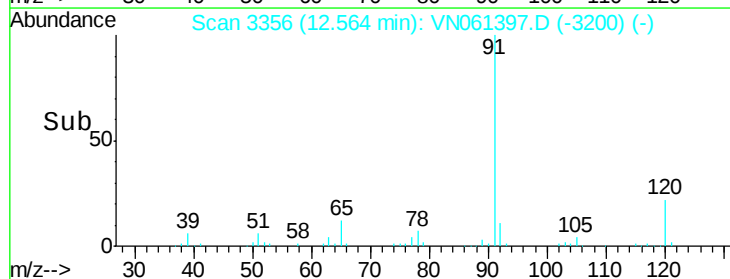
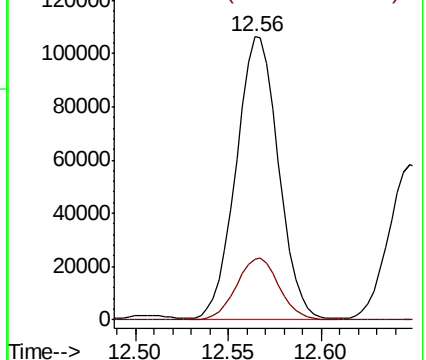
Tgt Ion: 91 Resp: 169646

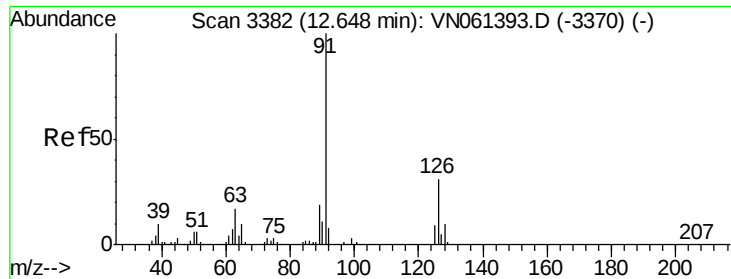
Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.591 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

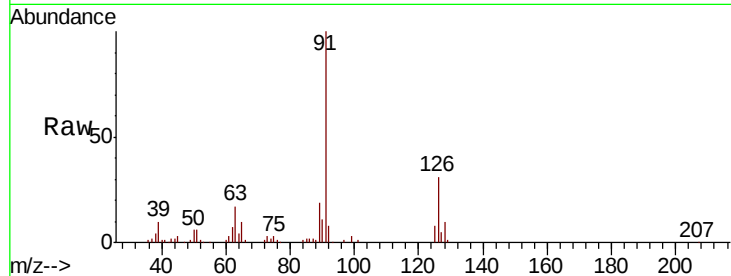
ClientSampled :

Tot Ion: 91 Resp: 98925

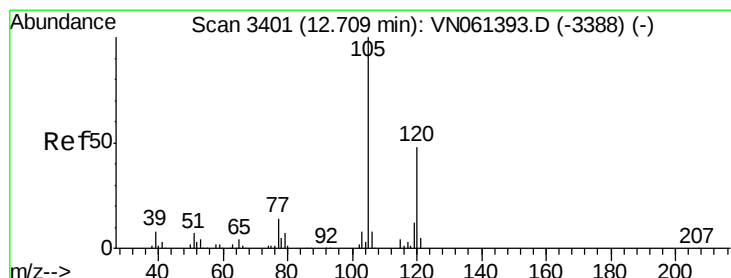
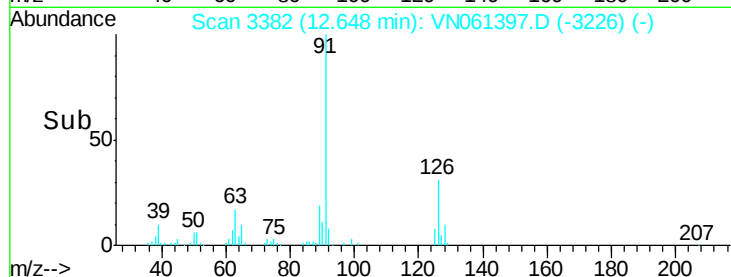
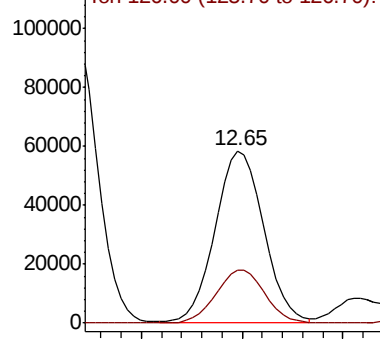
Ion Ratio Lower Upper

91 100

126 30.8 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): VN061397.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.237 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061397.D

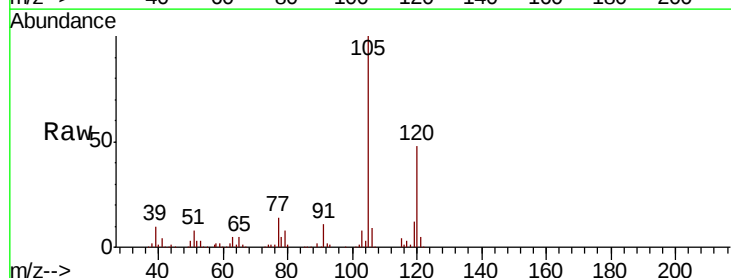
Acq: 14 May 2020 16:21

Tgt Ion:105 Resp: 119555

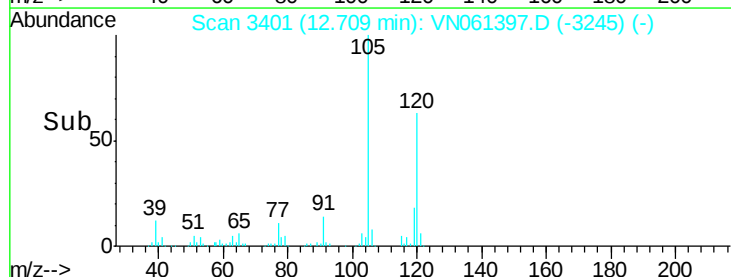
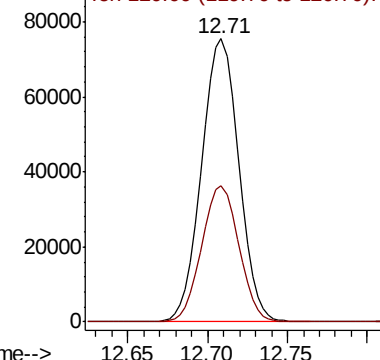
Ion Ratio Lower Upper

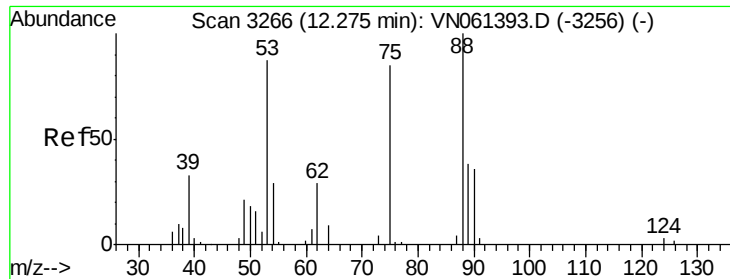
105 100

120 48.1 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN061397.D (-3388) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.712 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

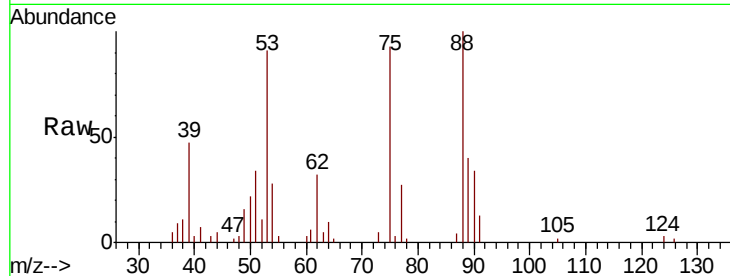
Tot Ion: 75 Resp: 15197

Ion Ratio Lower Upper

75 100

53 95.8 50.0 150.0

89 43.3 20.7 62.1

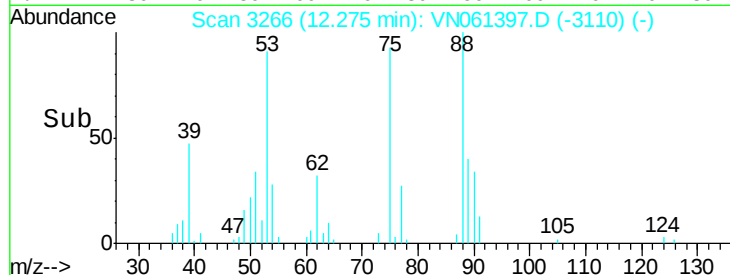


Abundance Ion 75.00 (74.70 to 75.70): VN061397.D (-3110) (-)

Ion 53.00 (52.70 to 53.70): VN061397.D (-3110) (-)

Ion 89.00 (88.70 to 89.70): VN061397.D (-3110) (-)

Time-->



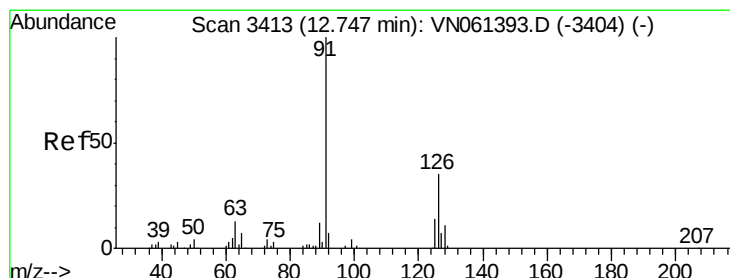
Abundance

Ion 75.00 (74.70 to 75.70): VN061397.D (-3110) (-)

Ion 53.00 (52.70 to 53.70): VN061397.D (-3110) (-)

Ion 89.00 (88.70 to 89.70): VN061397.D (-3110) (-)

Time-->



#78

4-Chlorotoluene

Concen: 19.607 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061397.D

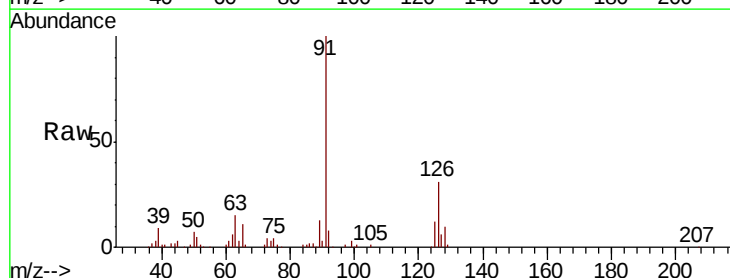
Acq: 14 May 2020 16:21

Tgt Ion: 91 Resp: 103675

Ion Ratio Lower Upper

91 100

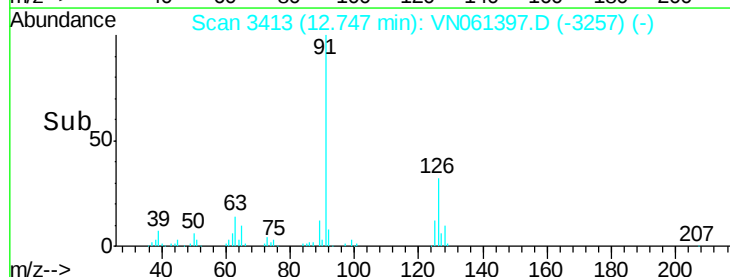
126 30.8 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VN061397.D (-3257) (-)

Ion 126.00 (125.70 to 126.70): VN061397.D (-3257) (-)

Time-->

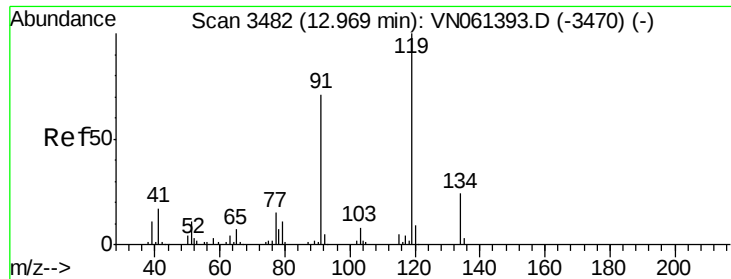


Abundance

Ion 91.00 (90.70 to 91.70): VN061397.D (-3257) (-)

Ion 126.00 (125.70 to 126.70): VN061397.D (-3257) (-)

Time-->



#79

tert-butylbenzene

Concen: 19.010 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

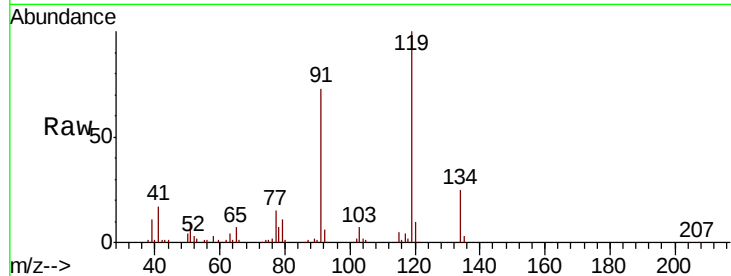
Tot Ion:119 Resp: 98143

Ion Ratio Lower Upper

119 100

91 72.0 0.0 136.4

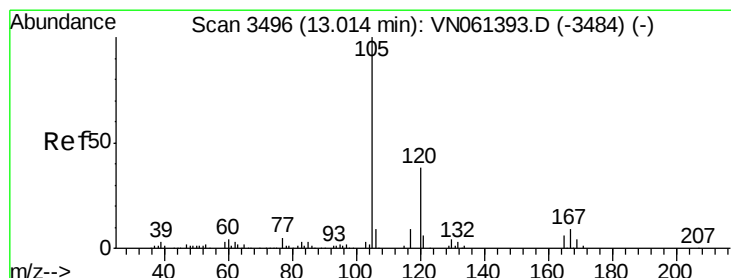
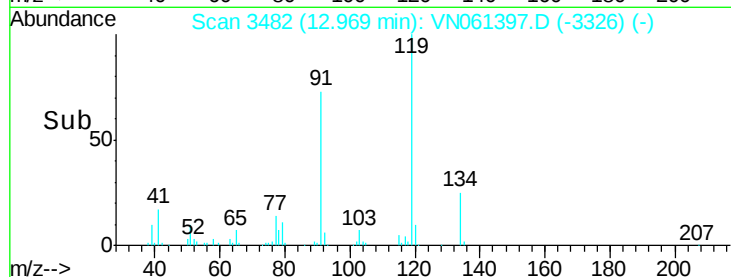
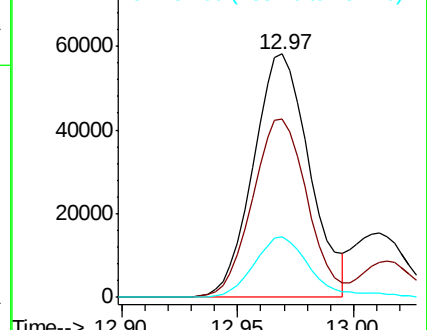
134 25.3 0.0 47.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 19.467 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. 0.00 min

Lab File: VN061397.D

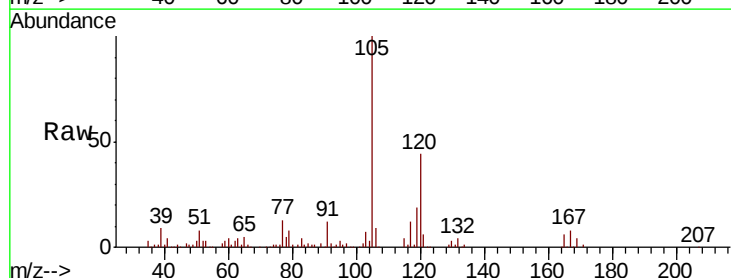
Acq: 14 May 2020 16:21

Tgt Ion:105 Resp: 120765

Ion Ratio Lower Upper

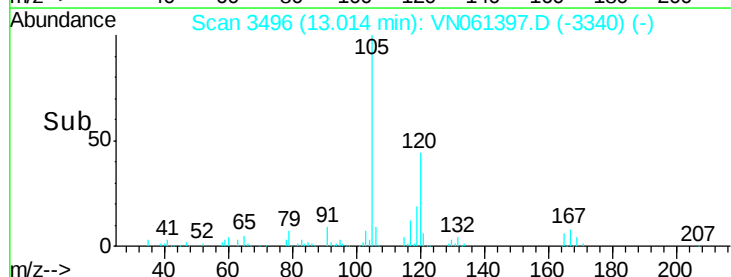
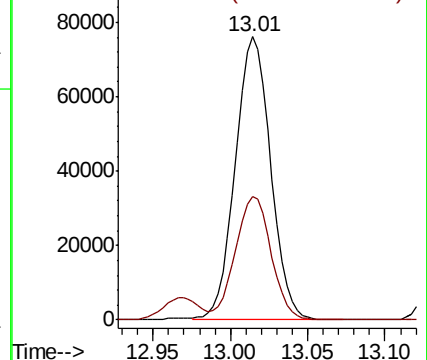
105 100

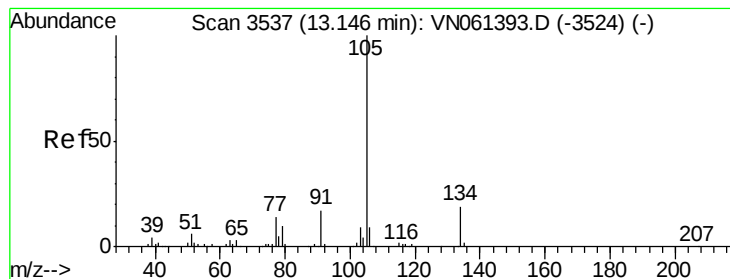
120 44.0 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 19.568 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

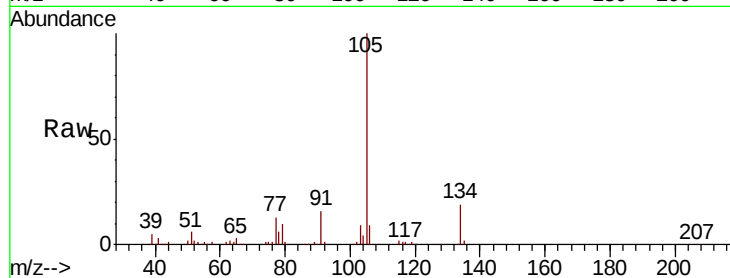
ClientSampleId :

Tot Ion:105 Resp: 139175

Ion Ratio Lower Upper

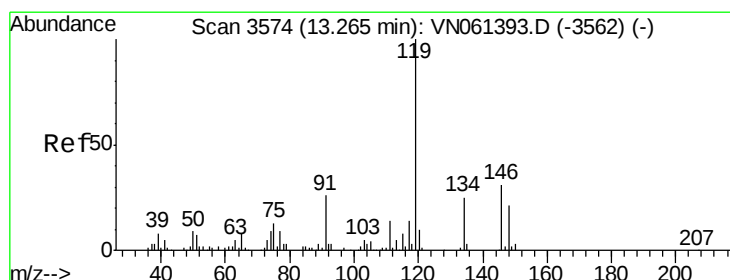
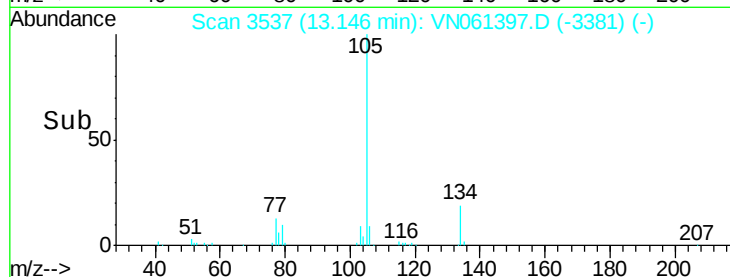
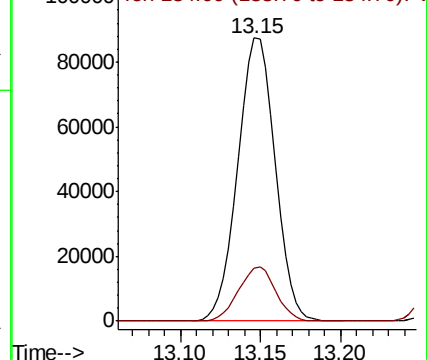
105 100

134 19.0 0.0 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.334 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

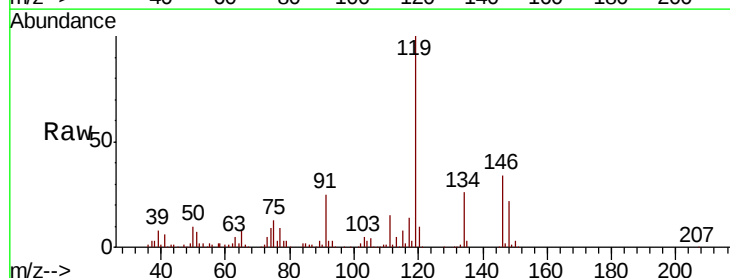
Tgt Ion:119 Resp: 123827

Ion Ratio Lower Upper

119 100

134 25.6 0.0 50.8

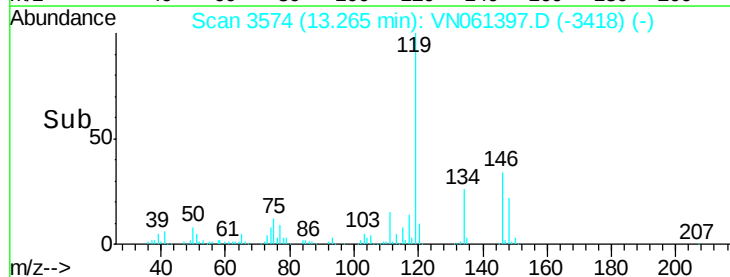
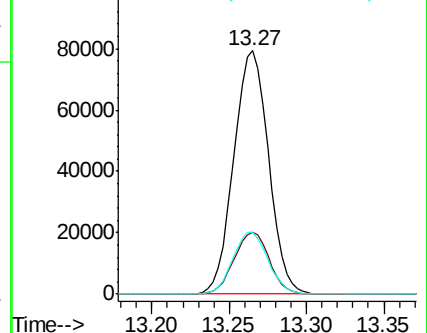
91 25.9 0.0 49.4

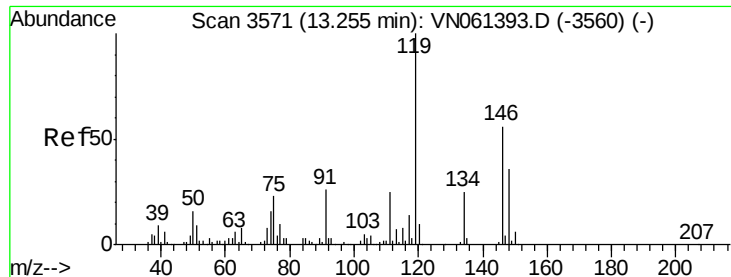


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

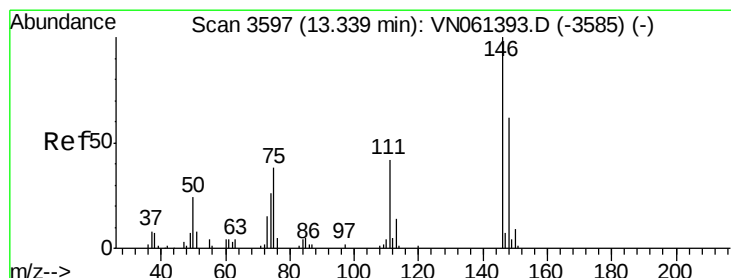
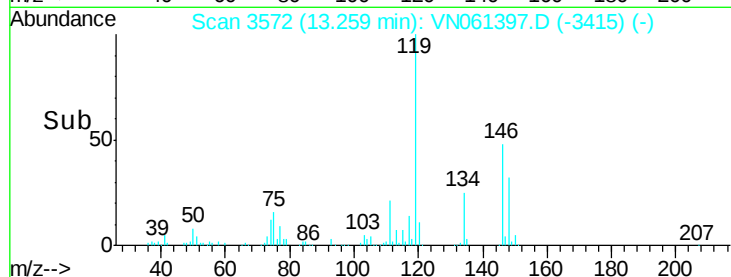
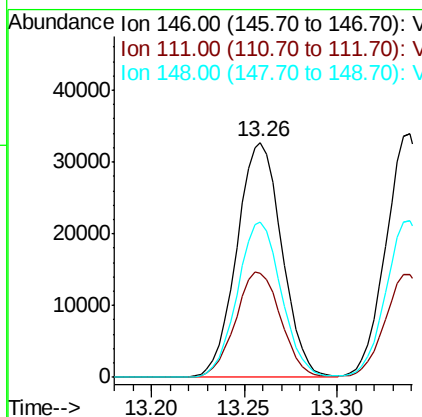
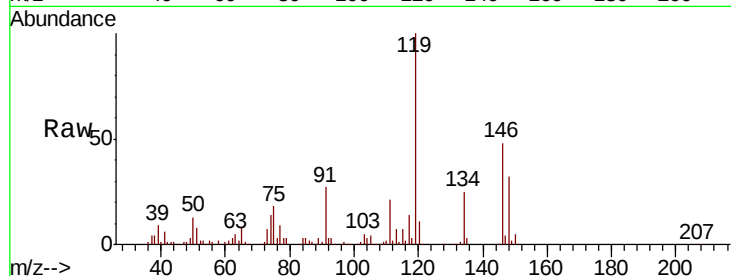




#83
 1,3-Dichlorobenzene
 Concen: 19.320 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

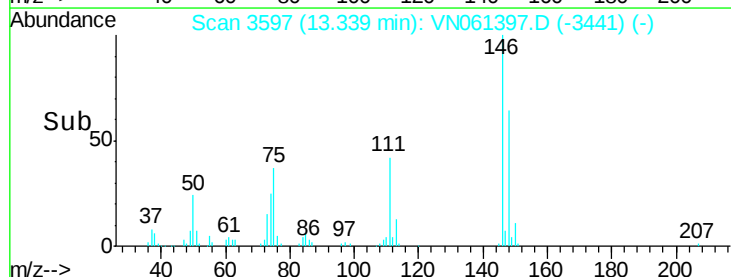
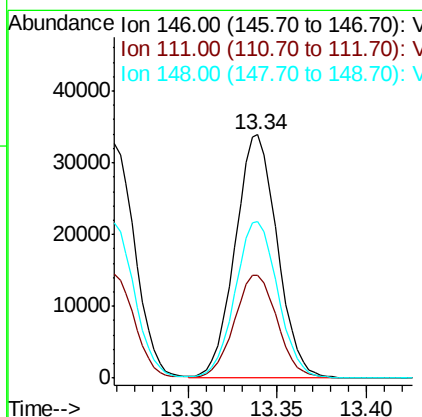
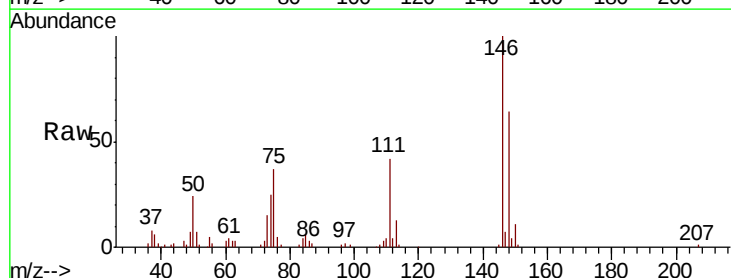
Instrument :
 MSVOA_N
 ClientSampleId :

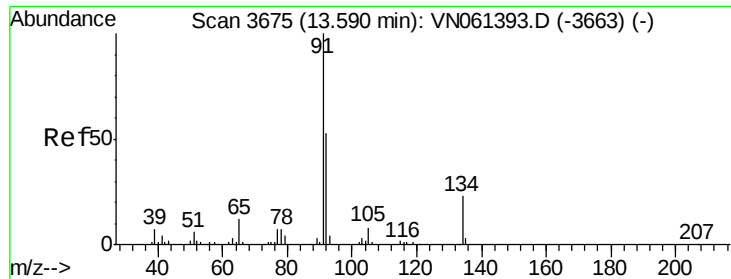
Tot Ion:146 Resp: 55235
 Ion Ratio Lower Upper
 146 100
 111 45.0 21.0 63.0
 148 64.5 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 19.784 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion:146 Resp: 55978
 Ion Ratio Lower Upper
 146 100
 111 43.2 19.8 59.4
 148 64.9 31.6 94.8

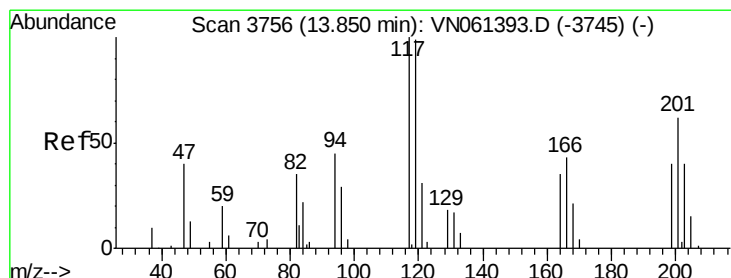
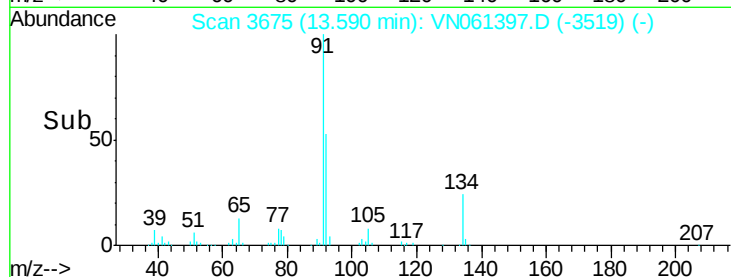
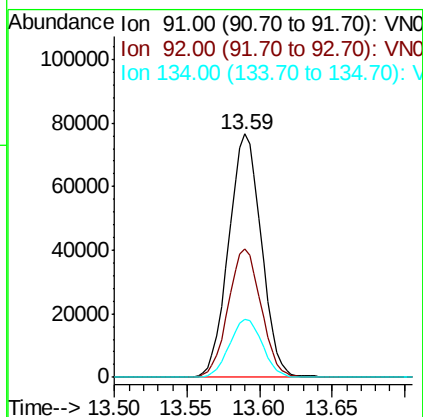
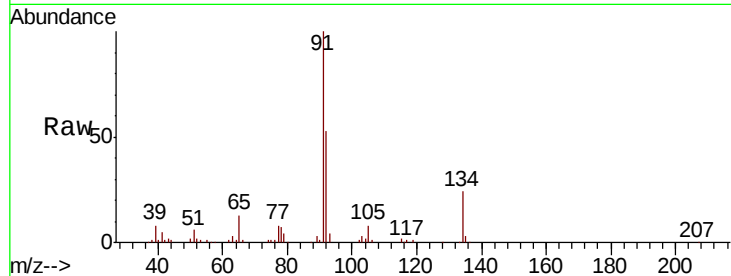




#85
n-Butylbenzene
Concen: 20.229 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

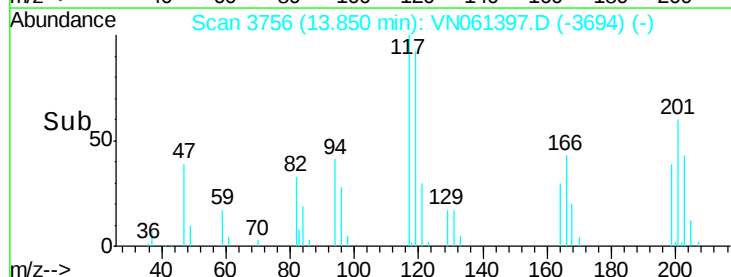
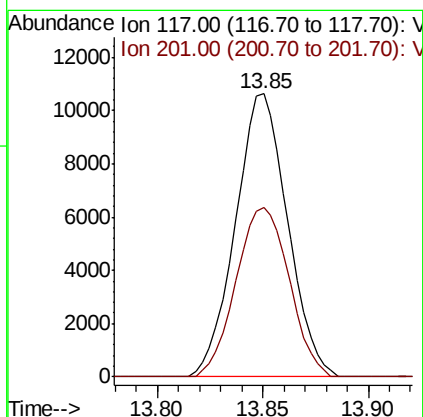
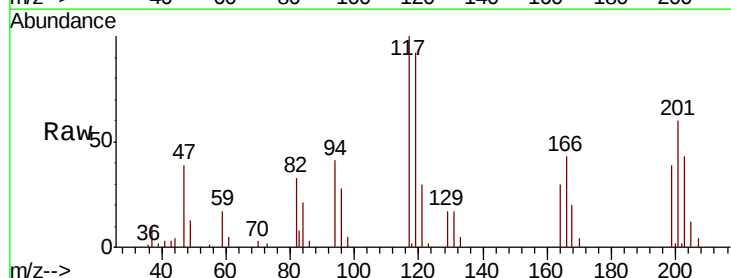
Instrument :
MSVOA_N
ClientSampled :

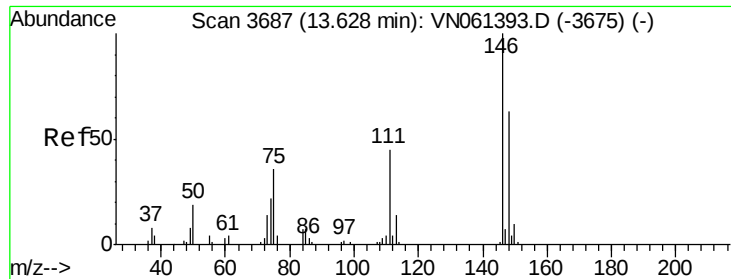
Tot Ion: 91 Resp: 119943
Ion Ratio Lower Upper
91 100
92 52.8 0.0 102.8
134 23.9 0.0 48.6



#86
Hexachloroethane
Concen: 20.437 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061397.D
Acq: 14 May 2020 16:21

Tgt Ion: 117 Resp: 18246
Ion Ratio Lower Upper
117 100
201 60.9 38.7 116.1





#87

1,2-Dichlorobenzene

Concen: 19.437 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

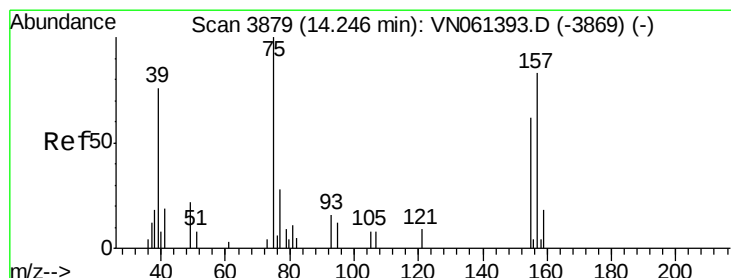
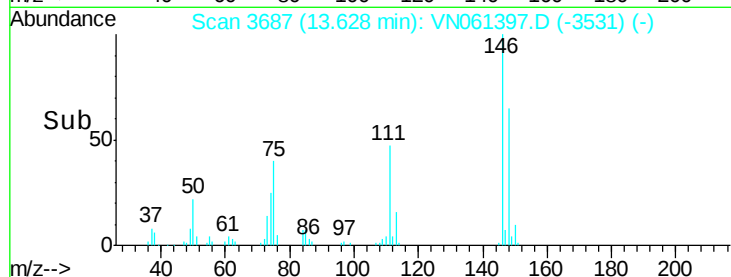
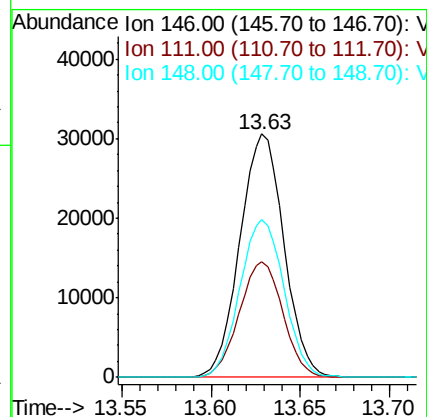
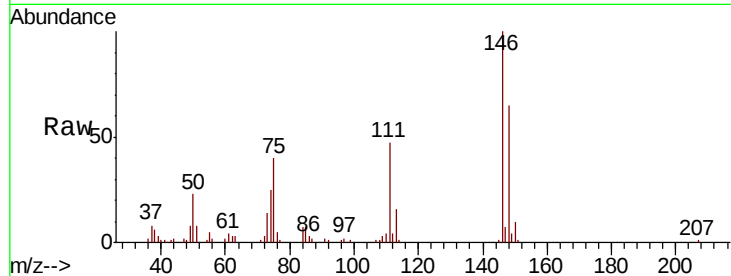
Tot Ion:146 Resp: 52713

Ion Ratio Lower Upper

146 100

111 46.8 21.8 65.4

148 64.7 32.1 96.5



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.624 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

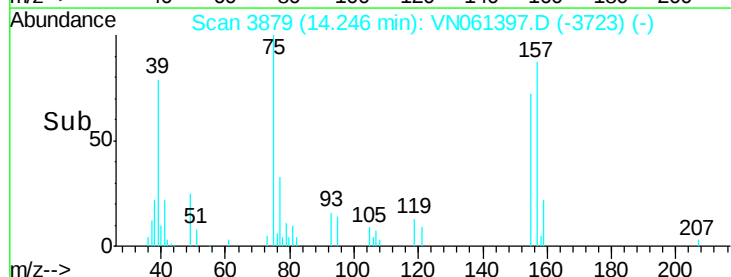
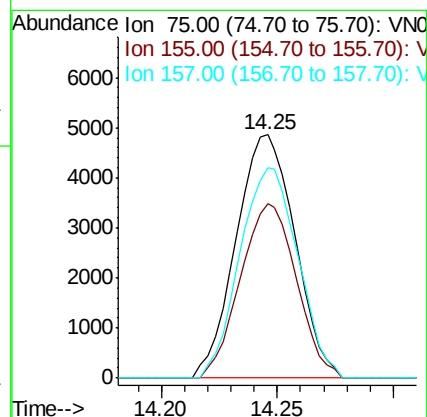
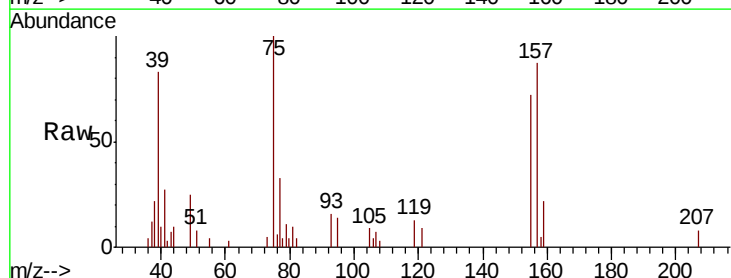
Tgt Ion: 75 Resp: 8557

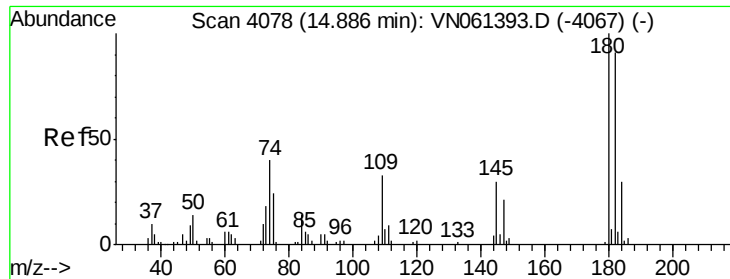
Ion Ratio Lower Upper

75 100

155 68.2 58.3 87.5

157 85.2 75.0 112.6

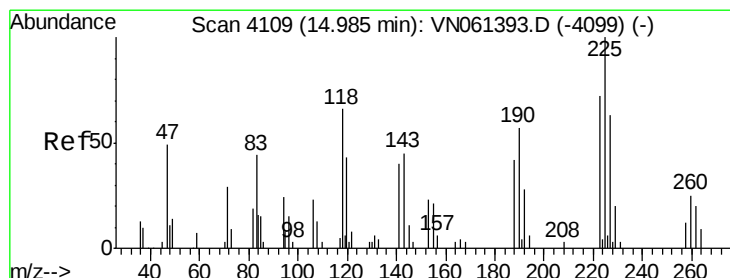
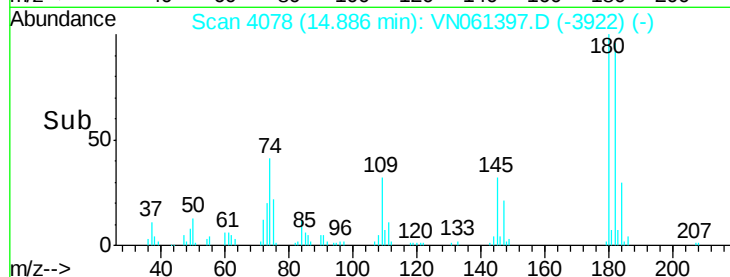
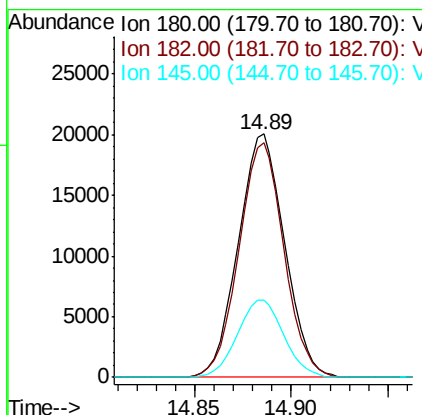
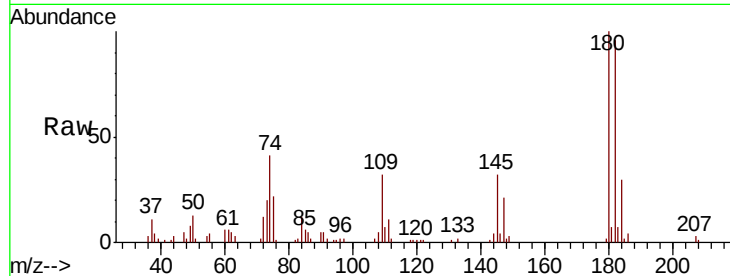




#89
 1,2,4-Trichlorobenzene
 Concen: 21.428 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

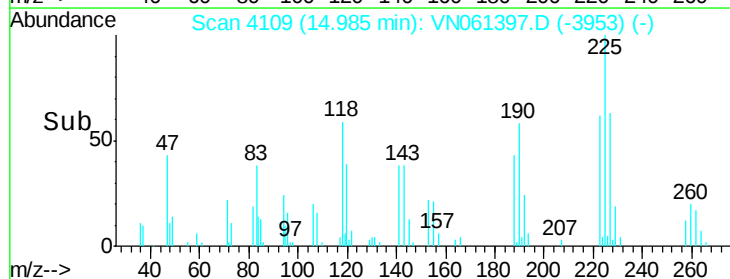
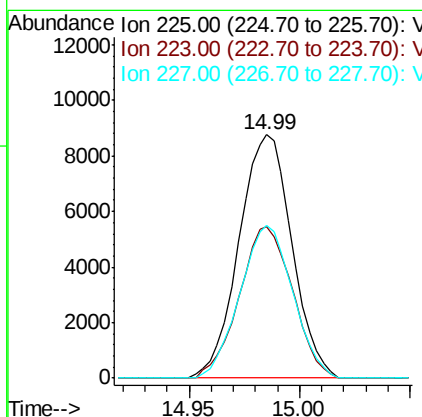
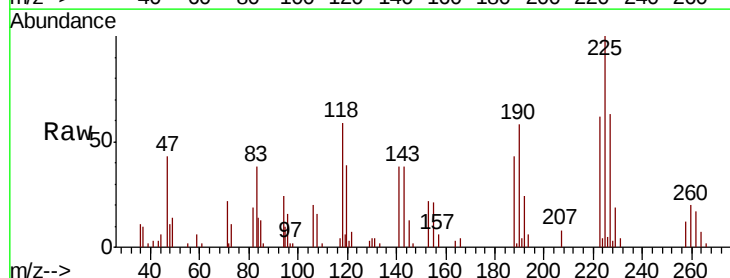
Instrument :
 MSVOA_N
 ClientSampled :

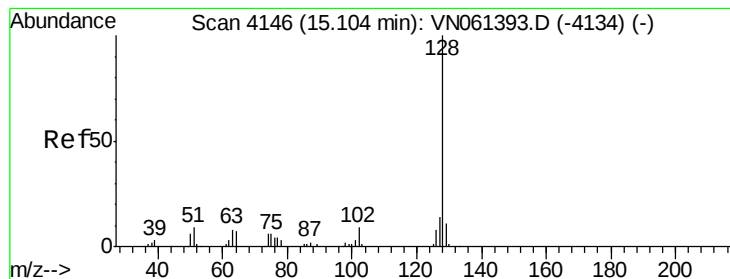
Tot Ion:180 Resp: 33387
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.3 112.9
 145 31.8 24.8 37.2



#90
 Hexachlorobutadiene
 Concen: 22.892 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061397.D
 Acq: 14 May 2020 16:21

Tgt Ion:225 Resp: 14530
 Ion Ratio Lower Upper
 225 100
 223 62.6 0.0 126.2
 227 62.7 0.0 127.0





#91

Naphthalene

Concen: 21.996 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

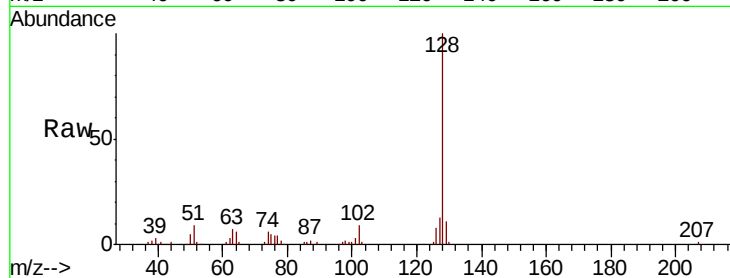
Tot Ion:128 Resp: 107796

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

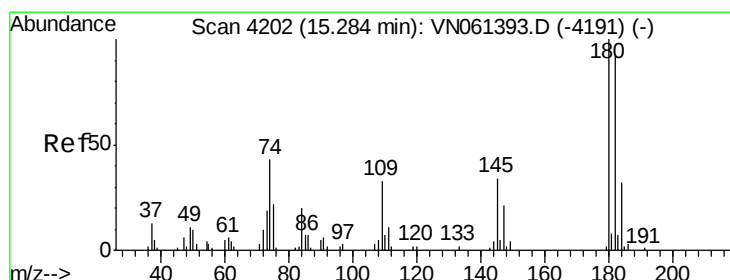
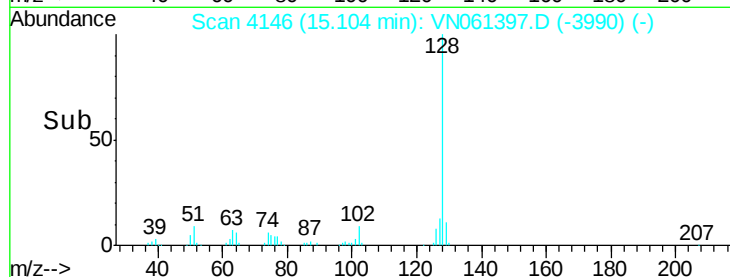
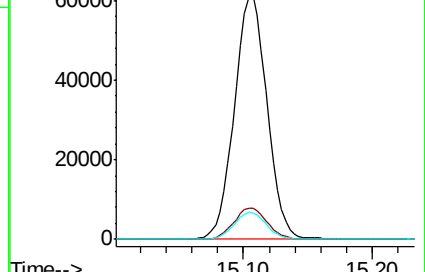
129 10.8 8.6 13.0



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: 21.005 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061397.D

Acq: 14 May 2020 16:21

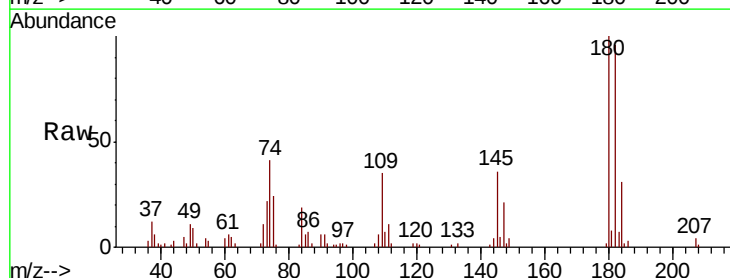
Tgt Ion:180 Resp: 31787

Ion Ratio Lower Upper

180 100

182 96.8 0.0 193.4

145 35.7 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

