

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051520\
 Data File : VN061416.D
 Acq On : 15 May 2020 18:22
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: May 16 01:54:26 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	17847	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	105860	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	95250	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	48561	30.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.27%
60) 4-Bromofluorobenzene	12.38	95	48331	29.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.07%
63) Toluene-d8	10.06	98	133075	30.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.57%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	14949	18.40	ug/l	99
3) Chloromethane	2.03	50	30779	20.72	ug/l	97
4) Vinyl Chloride	2.16	62	43736	21.96	ug/l	96
5) Bromomethane	2.54	94	21229	20.99	ug/l	99
6) Chloroethane	2.67	64	29163	21.64	ug/l	95
7) Trichlorofluoromethane	2.98	101	46849	21.98	ug/l	99
8) Diethyl Ether	3.37	74	12927	19.07	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	17397	19.11	ug/l	96
10) 1,1-Dichloroethene	3.70	96	18293	19.08	ug/l	99
11) Methyl Iodide	3.91	142	20956	20.20	ug/l	99
12) Methyl Acetate	4.28	43	23720	20.37	ug/l	95
13) Acrolein	3.57	56	14664	74.81	ug/l	95
14) Acrylonitrile	4.93	53	51524	94.28	ug/l	98
15) Acetone	3.78	58	13697	104.37	ug/l	87
16) Carbon Disulfide	4.01	76	49714	18.45	ug/l	99
17) Allyl chloride	4.27	41	38974	20.20	ug/l	98
18) Methylene Chloride	4.50	84	22795	19.70	ug/l	97
19) trans-1,2-Dichloroethene	4.99	96	21603	18.94	ug/l	97
20) Diisopropyl ether	5.91	45	84213	18.75	ug/l	96
21) 1,1-Dichloroethane	5.80	63	45336	19.33	ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	25825	19.30	ug/l	97
23) tert-Butyl Alcohol	4.74	59	13728	78.37	ug/l #	100
24) Methyl tert-Butyl Ether	5.00	73	75375	19.37	ug/l #	79
25) Chloroform	7.33	83	43745	19.24	ug/l	96
26) Cyclohexane	7.62	56	41722	18.63	ug/l #	96
29) 1,1-Dichloropropene	7.75	75	34241	18.43	ug/l	98
30) 2-Butanone	6.79	43	71240	90.66	ug/l	99
31) 2,2-Dichloropropane	6.78	77	38366	17.68	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	39158	18.84	ug/l	99
33) Carbon Tetrachloride	7.73	117	28728	18.01	ug/l	96
34) Benzene	8.00	78	97936	18.64	ug/l	98
35) Methacrylonitrile	7.13	41	13808	17.52	ug/l	86
36) 1,2-Dichloroethane	8.09	62	39432	19.55	ug/l	99
37) Trichloroethene	8.80	130	25144	19.43	ug/l	96
38) Methylcyclohexane	9.05	83	39694	17.80	ug/l	97
39) 1,2-Dichloropropane	9.08	63	26905	18.62	ug/l	97
40) Dibromomethane	9.18	93	17062	19.12	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	35422	18.30	ug/l	99
42) Vinyl Acetate	5.85	43	345738	92.65	ug/l	100
43) Ethyl Acetate	6.88	43	33445	19.93	ug/l #	87
44) Isopropyl Acetate	8.13	43	60670	18.62	ug/l #	88
45) 1,4-Dioxane	9.17	88	4064	316.00	ug/l #	87
46) Methyl methacrylate	9.17	41	27091	17.68	ug/l	95
47) n-amyl Acetate	12.05	43	51586	17.75	ug/l	98
48) t-1,3-Dichloropropene	10.36	75	40810	17.86	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	43314	17.92	ug/l	95
50) 1,1,2-Trichloroethane	10.54	97	23331	18.91	ug/l	98
51) Ethyl methacrylate	10.40	69	39052	18.37	ug/l	97
52) 1,3-Dichloropropane	10.68	76	42841	19.01	ug/l	99
53) Dibromochloromethane	10.88	129	24080	17.81	ug/l	99
54) 1,2-Dibromoethane	10.98	107	23498	18.46	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	86761	92.22	ug/l	98
56) Bromoform	12.10	173	14766	17.37	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	167239	96.35	ug/l	99
59) 2-Hexanone	10.72	43	115106	93.76	ug/l	100
61) Tetrachloroethene	10.61	164	22774	19.12	ug/l	95
62) Toluene	10.13	91	106407	19.27	ug/l	100
64) Chlorobenzene	11.41	112	62879	19.24	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	22237	18.62	ug/l	98
66) Ethyl Benzene	11.49	91	118616	18.71	ug/l	100
67) m/p-Xylenes	11.60	106	87775	37.50	ug/l	100
68) o-Xylene	11.92	106	41809	18.72	ug/l	99
69) Styrene	11.94	104	70549	18.35	ug/l	98
70) Isopropylbenzene	12.23	105	112552	18.60	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	32257	19.29	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	30993m	19.43	ug/l	
73) Bromobenzene	12.50	156	23714	18.86	ug/l	93
74) n-propylbenzene	12.57	91	132719	18.44	ug/l	99
75) 2-Chlorotoluene	12.65	91	77435	18.76	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	93080	18.33	ug/l	100
77) t-1,4-Dichloro-2-butene	12.28	75	11418	17.20	ug/l	97
78) 4-Chlorotoluene	12.75	91	78984	18.28	ug/l	100
79) tert-butylbenzene	12.97	119	78743	18.66	ug/l	98
80) 1,2,4-Trimethylbenzene	13.02	105	93190	18.38	ug/l	100
81) sec-Butylbenzene	13.15	105	105909	18.22	ug/l	99
82) p-Isopropyltoluene	13.26	119	92317	17.64	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	42805	18.32	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	43051	18.62	ug/l	98
85) n-Butylbenzene	13.59	91	85275	17.60	ug/l	98
86) Hexachloroethane	13.85	117	12422	17.03	ug/l	80
87) 1,2-Dichlorobenzene	13.63	146	41684	18.81	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	6479	18.18	ug/l	97
89) 1,2,4-Trichlorobenzene	14.89	180	22523	17.69	ug/l	98
90) Hexachlorobutadiene	14.99	225	8378	16.15	ug/l	98
91) Naphthalene	15.11	128	74782	18.67	ug/l	100
92) 1,2,3-Trichlorobenzene	15.29	180	22453	18.15	ug/l	97

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

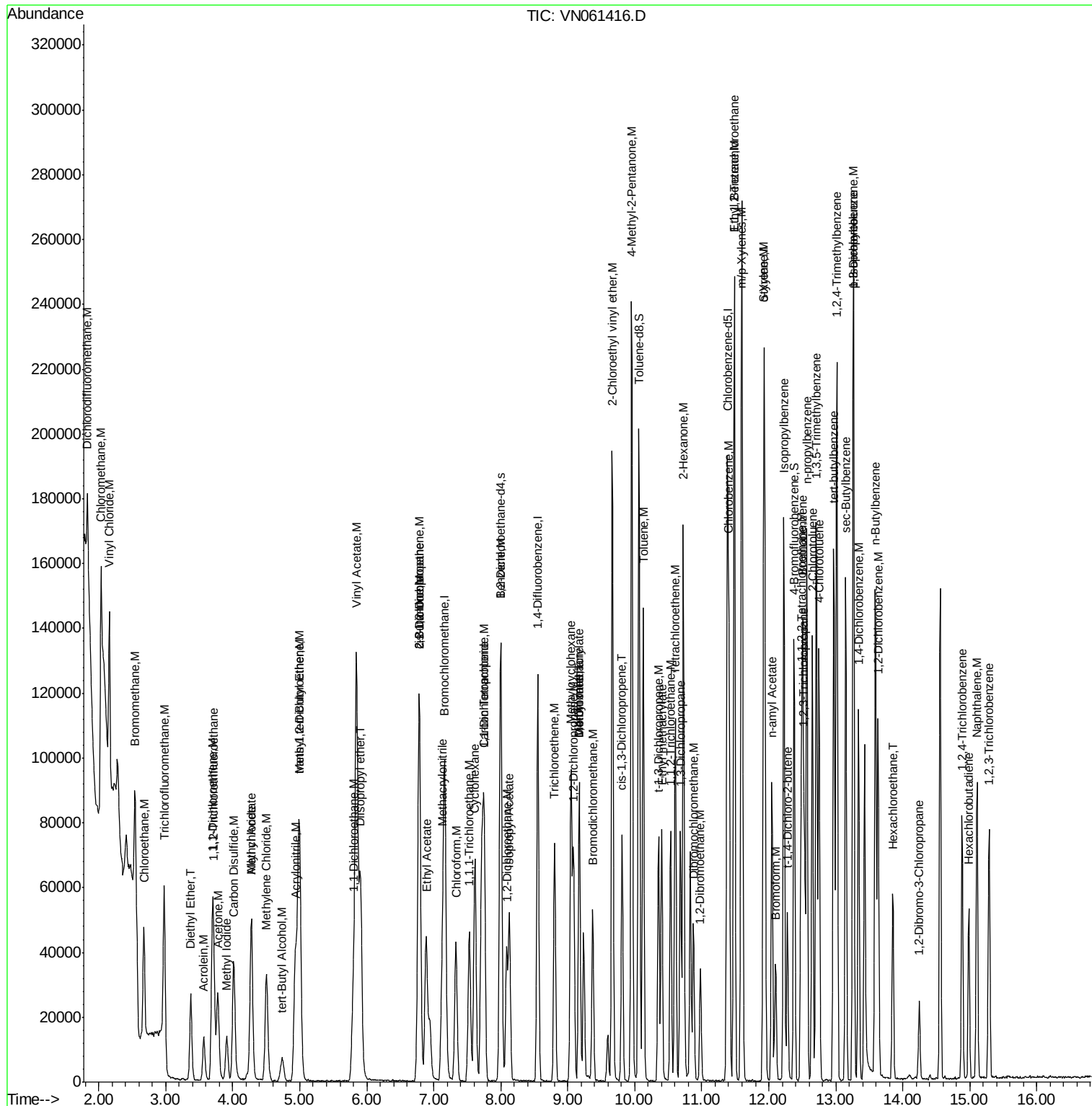
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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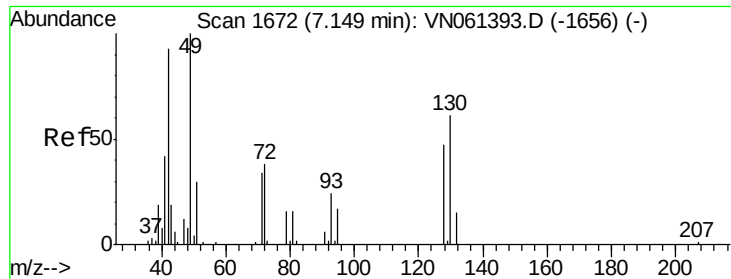
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN051520\
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
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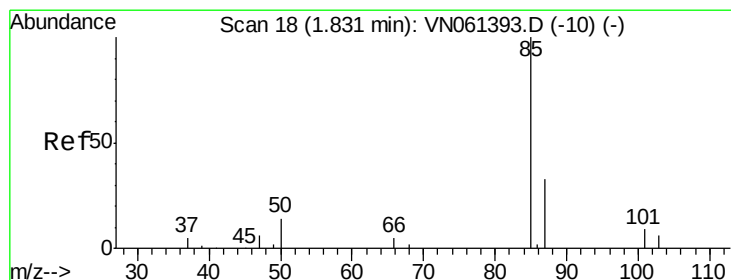
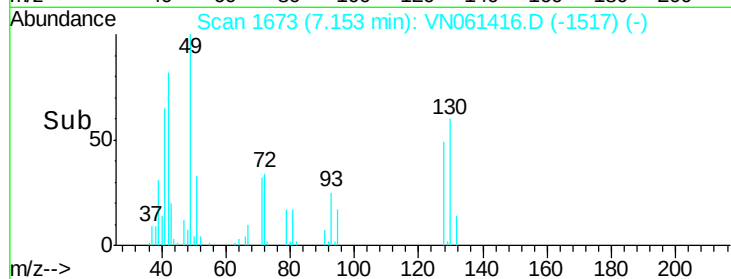
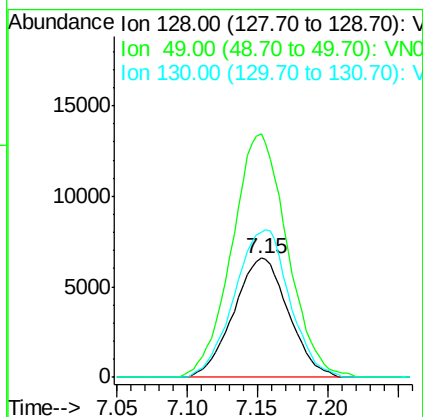
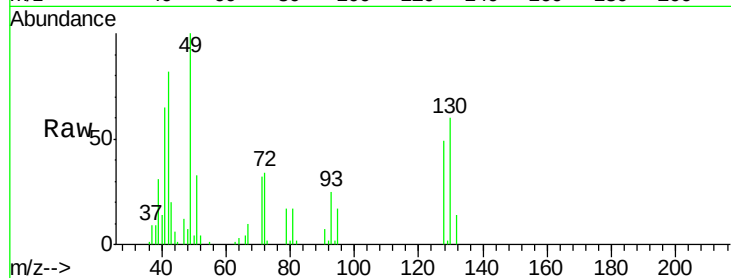




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

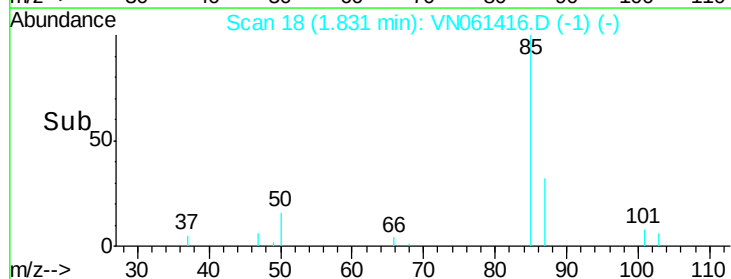
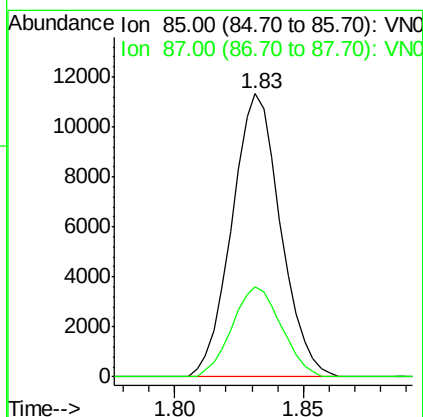
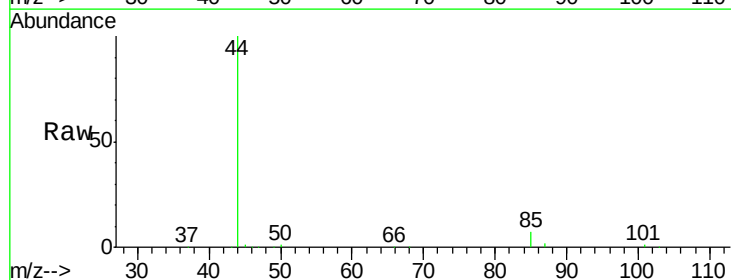
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

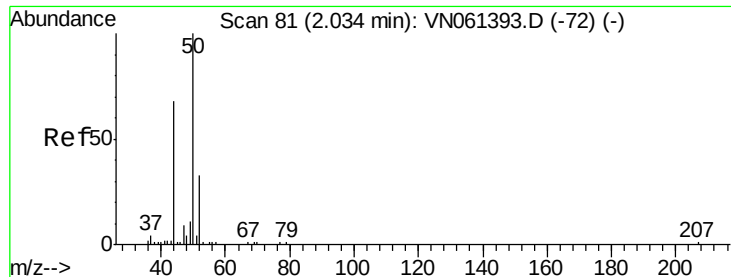
Tgt Ion:128 Resp: 17847
Ion Ratio Lower Upper
128 100
49 206.3 0.0 453.5
130 125.1 0.0 314.2



#2
Dichlorodifluoromethane
Concen: 18.40 ug/l
RT: 1.83 min Scan# 18
Delta R.T. -0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

Tgt Ion: 85 Resp: 14949
Ion Ratio Lower Upper
85 100
87 31.8 15.7 47.0

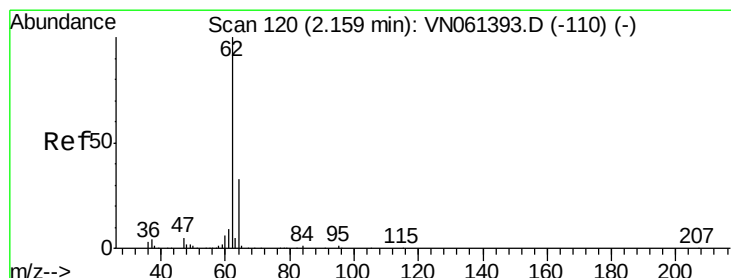
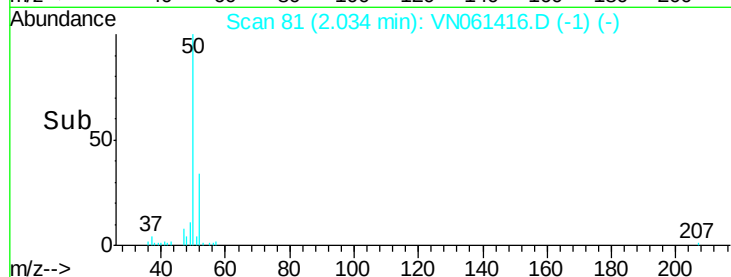
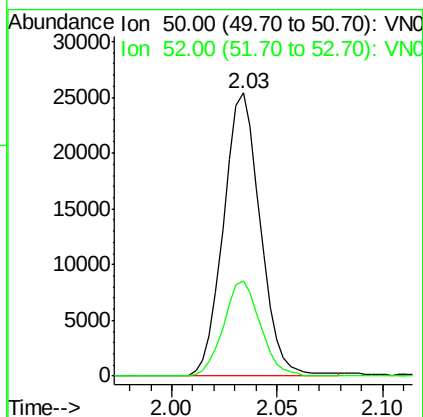
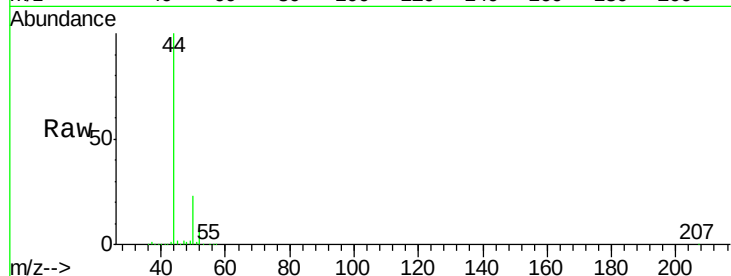




#3
 Chloromethane
 Concen: 20.72 ug/l
 RT: 2.03 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

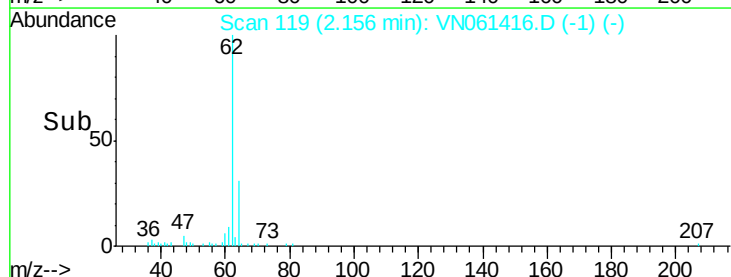
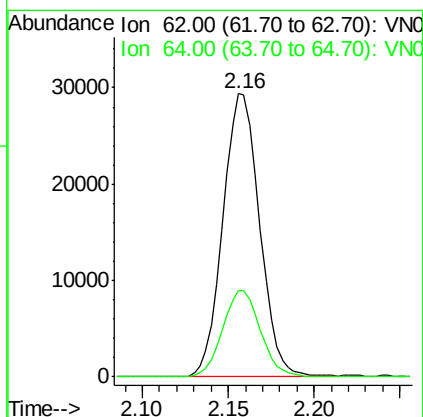
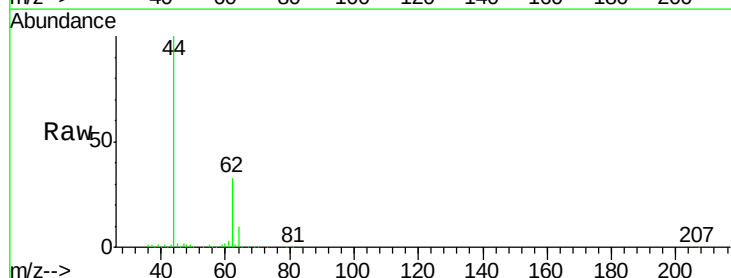
Instrument :
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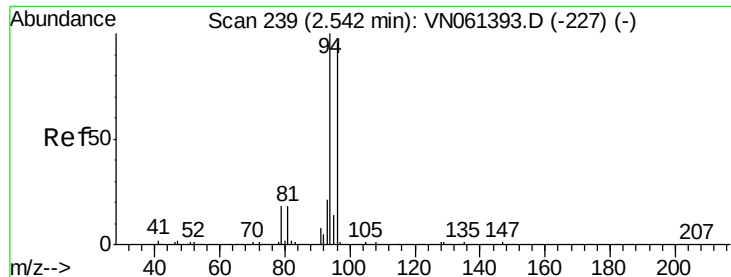
Tgt Ion: 50 Resp: 30779
 Ion Ratio Lower Upper
 50 100
 52 33.7 25.8 38.8



#4
 Vinyl Chloride
 Concen: 21.96 ug/l
 RT: 2.16 min Scan# 119
 Delta R.T. -0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

Tgt Ion: 62 Resp: 43736
 Ion Ratio Lower Upper
 62 100
 64 30.5 26.1 39.1





#5

Bromomethane

Concen: 20.99 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

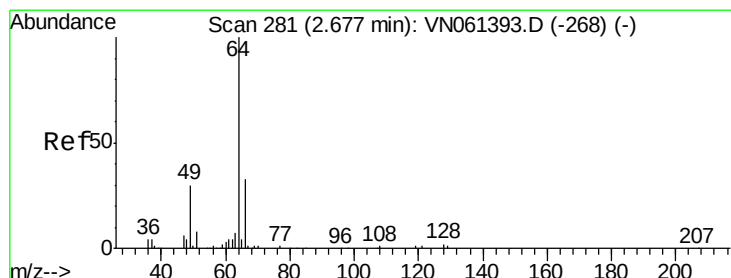
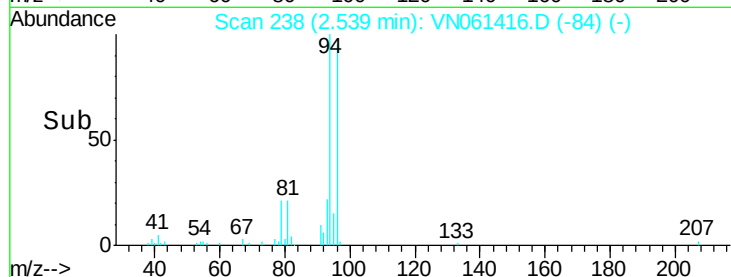
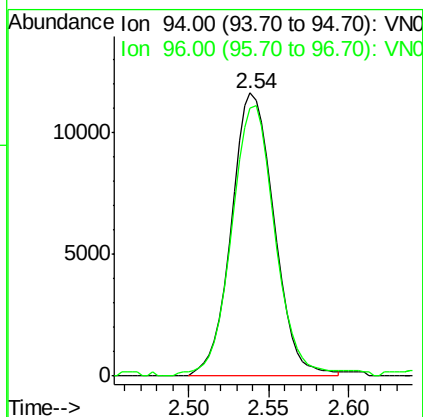
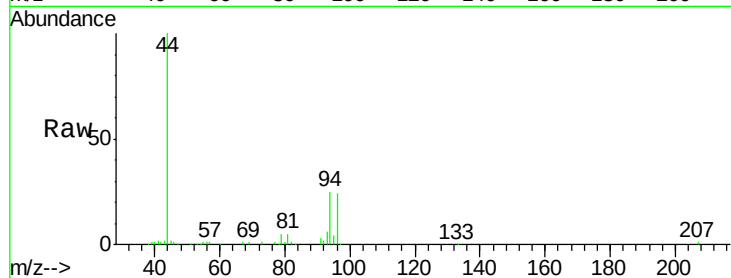
VSTDCCC020EC

Tgt Ion: 94 Resp: 21229

Ion Ratio Lower Upper

94 100

96 93.1 73.7 110.5



#6

Chloroethane

Concen: 21.64 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061416.D

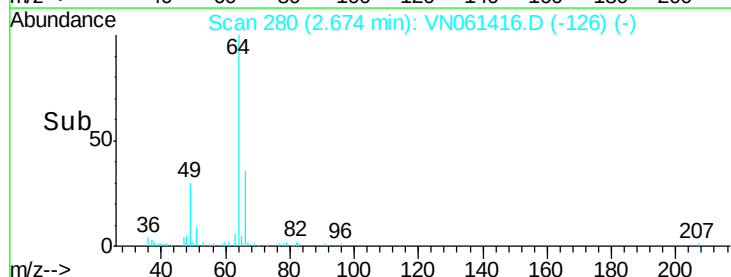
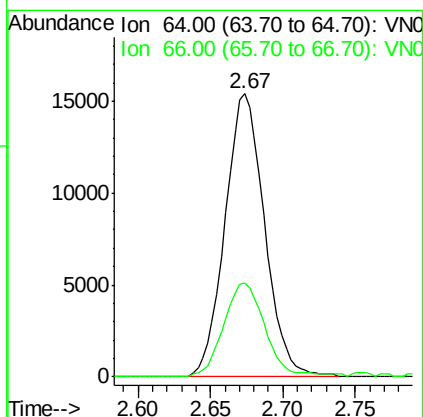
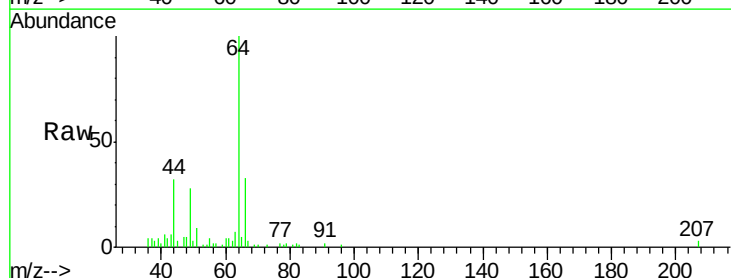
Acq: 15 May 2020 18:22

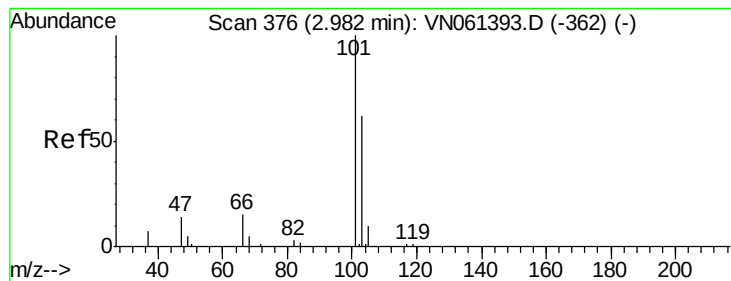
Tgt Ion: 64 Resp: 29163

Ion Ratio Lower Upper

64 100

66 33.3 24.6 36.8



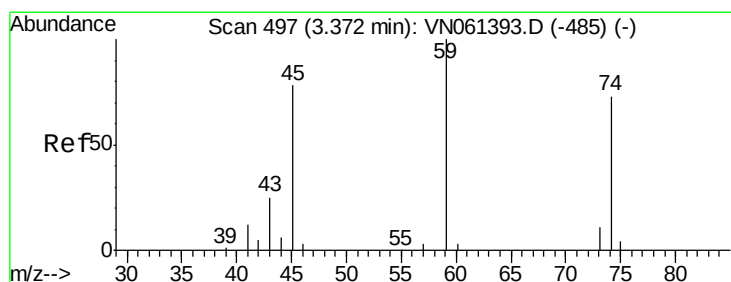
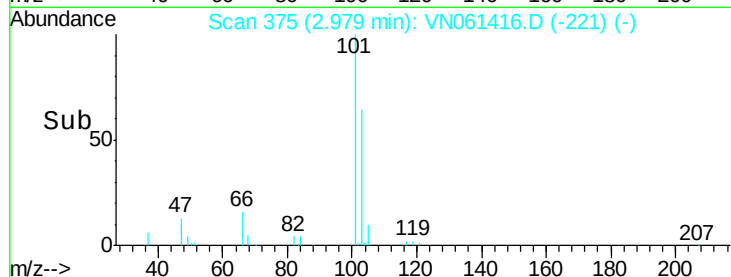
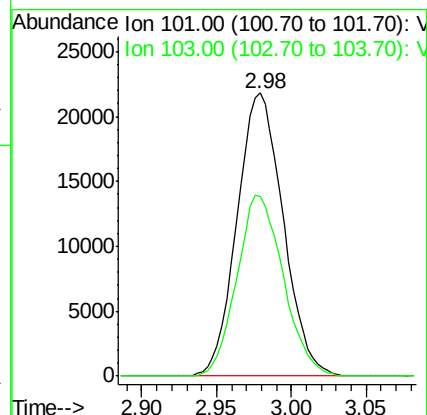
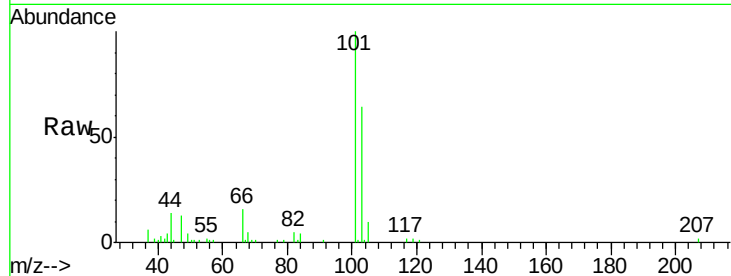


#7

Trichlorofluoromethane
 Concen: 21.98 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

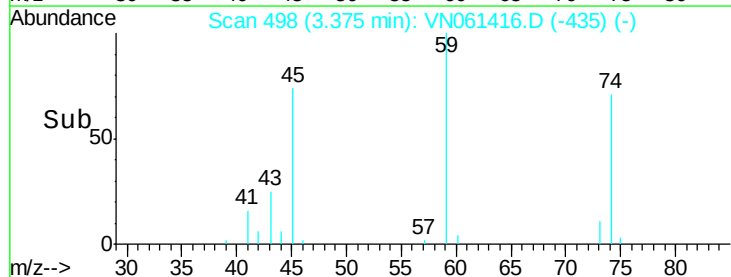
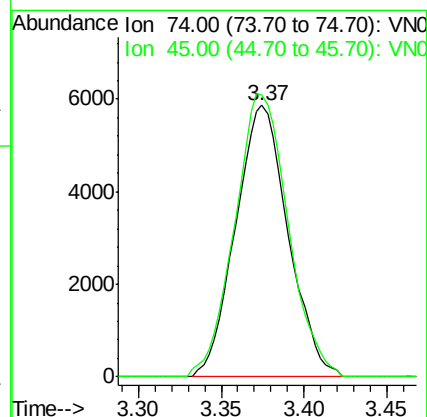
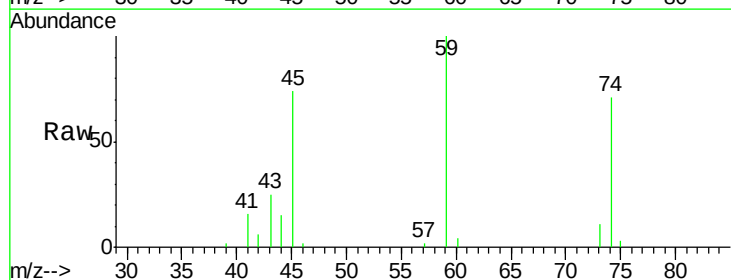
Tgt Ion:101 Resp: 46849
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.5 77.3

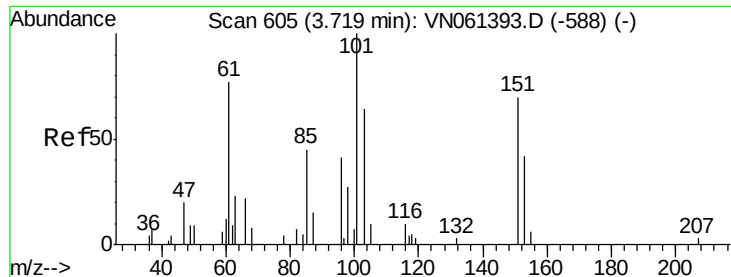


#8

Diethyl Ether
 Concen: 19.07 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

Tgt Ion: 74 Resp: 12927
 Ion Ratio Lower Upper
 74 100
 45 106.4 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.11 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

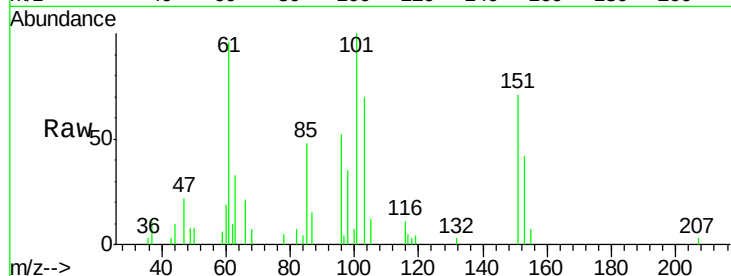
Tgt Ion:101 Resp: 17397

Ion Ratio Lower Upper

101 100

85 48.4 0.0 93.8

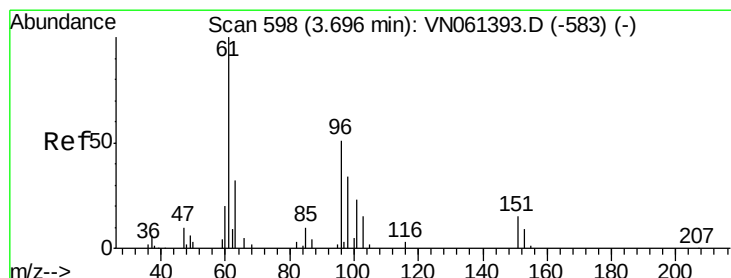
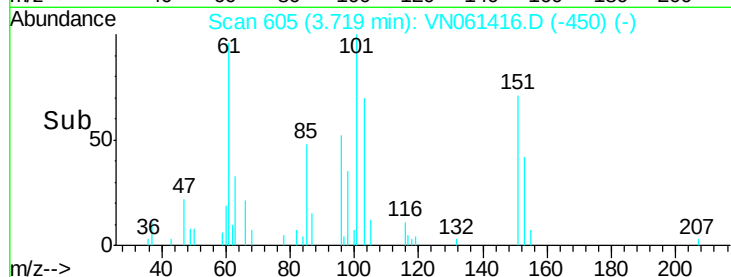
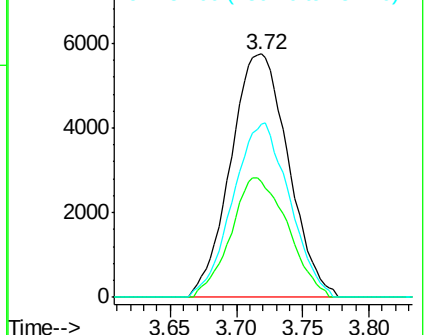
151 70.3 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.08 ug/l

RT: 3.70 min Scan# 599

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

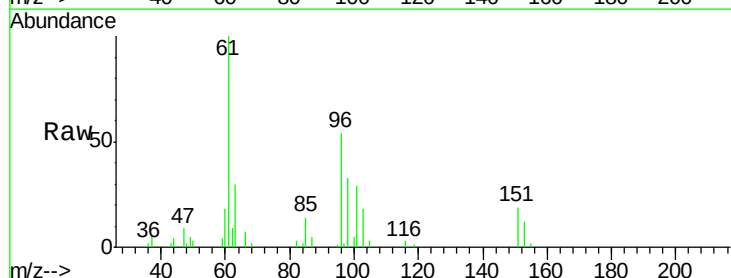
Tgt Ion: 96 Resp: 18293

Ion Ratio Lower Upper

96 100

61 185.3 148.5 222.7

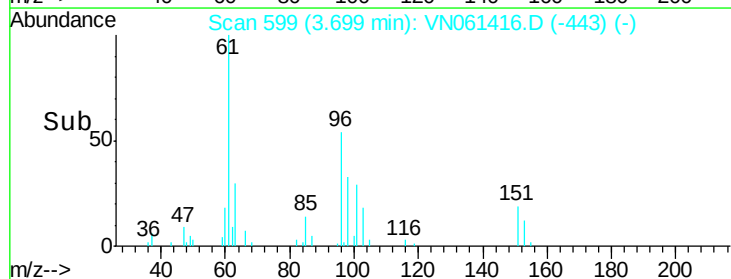
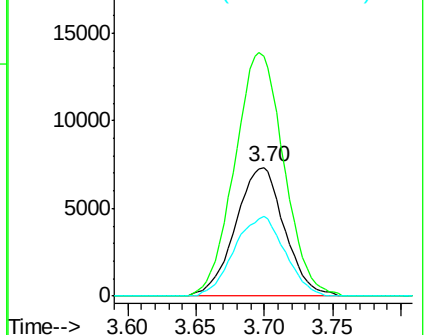
98 61.5 51.0 76.6

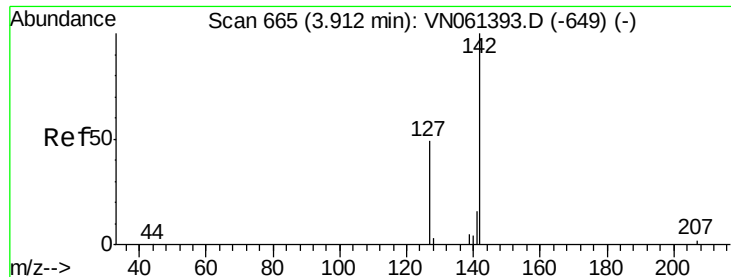


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

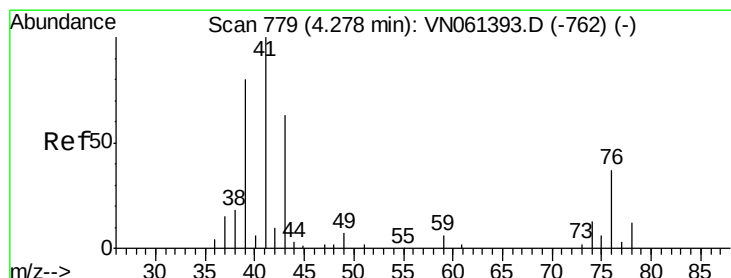
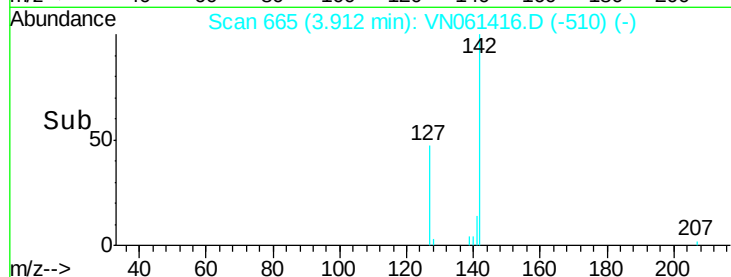
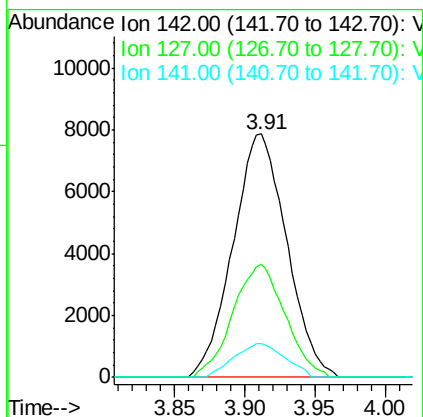
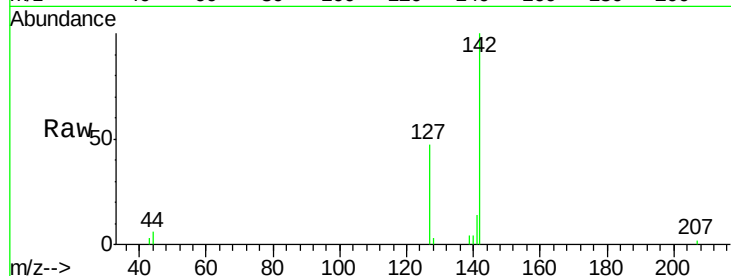




#11
Methyl Iodide
Concen: 20.20 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

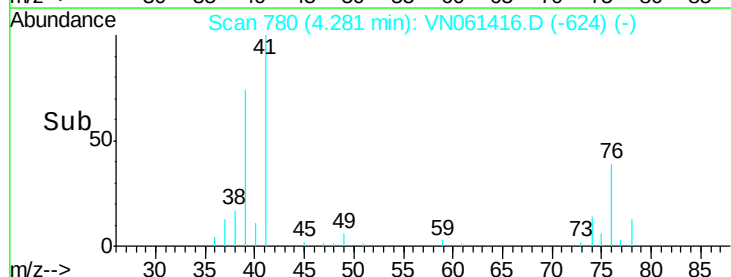
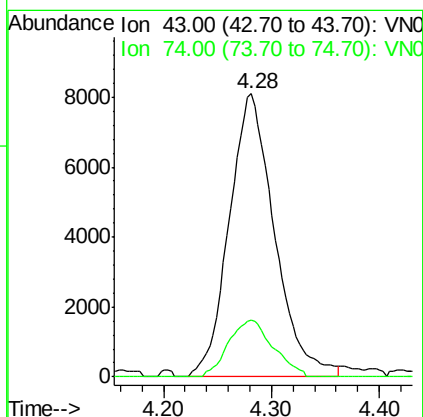
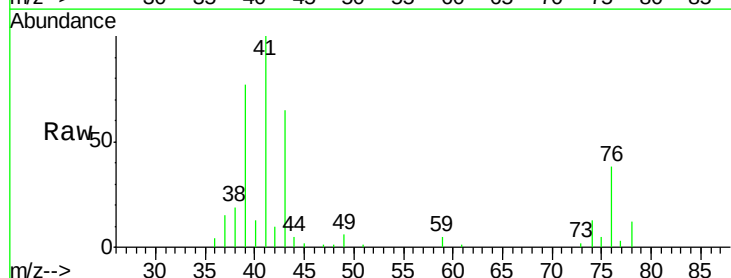
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

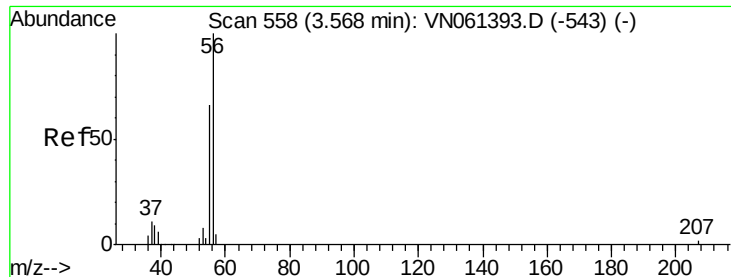
Tgt Ion:142 Resp: 20956
Ion Ratio Lower Upper
142 100
127 46.6 23.5 70.6
141 13.8 7.4 22.2



#12
Methyl Acetate
Concen: 20.37 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

Tgt Ion: 43 Resp: 23720
Ion Ratio Lower Upper
43 100
74 20.3 18.1 27.1





#13

Acrolein

Concen: 74.81 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

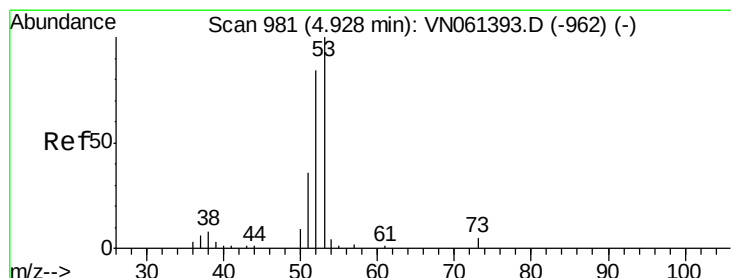
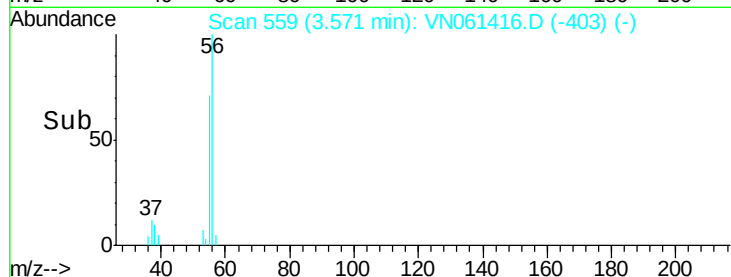
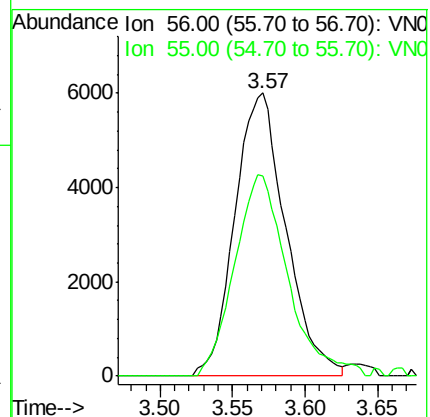
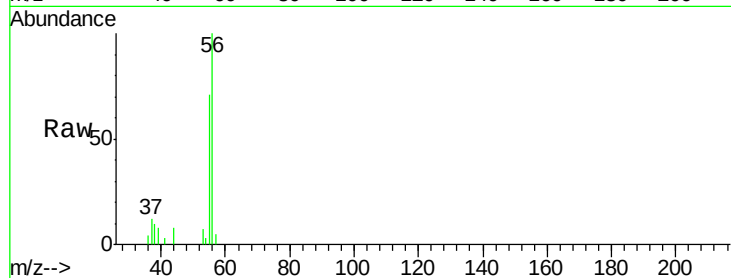
VSTDCCC020EC

Tgt Ion: 56 Resp: 14664

Ion Ratio Lower Upper

56 100

55 74.4 55.9 83.9



#14

Acrylonitrile

Concen: 94.28 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.01 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

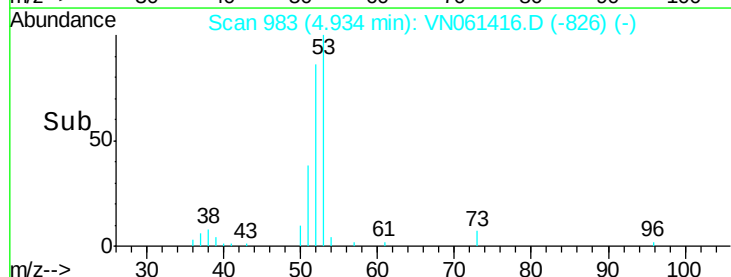
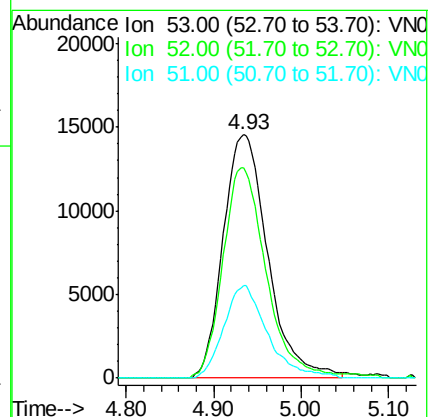
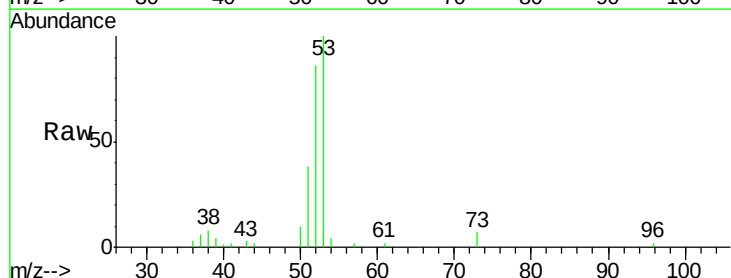
Tgt Ion: 53 Resp: 51524

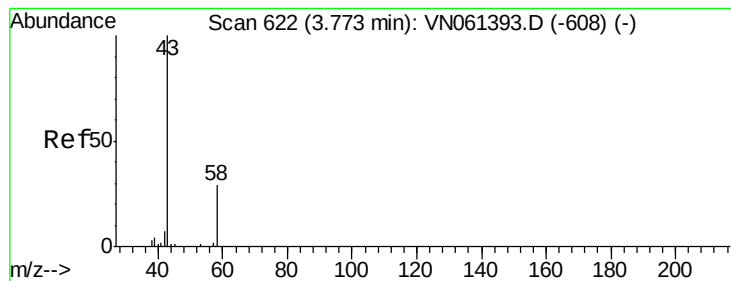
Ion Ratio Lower Upper

53 100

52 82.6 42.2 126.6

51 37.0 18.8 56.4





#15

Acetone

Concen: 104.37 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

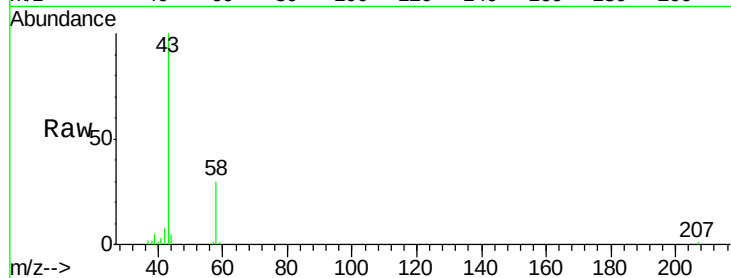
VSTDCCC020EC

Tgt Ion: 58 Resp: 13697

Ion Ratio Lower Upper

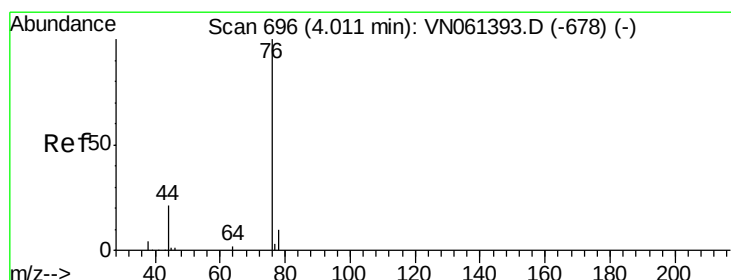
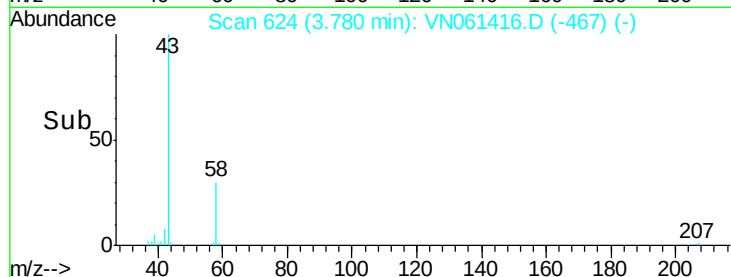
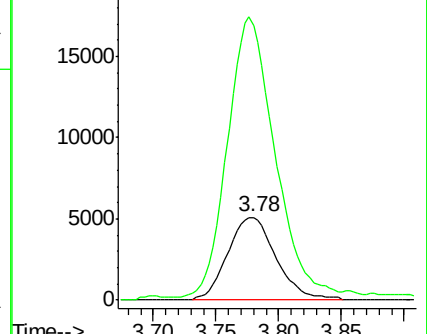
58 100

43 324.8 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN061416.D (-624) (-)

Ion 43.00 (42.70 to 43.70): VN061416.D (-624) (-)



#16

Carbon Disulfide

Concen: 18.45 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.00 min

Lab File: VN061416.D

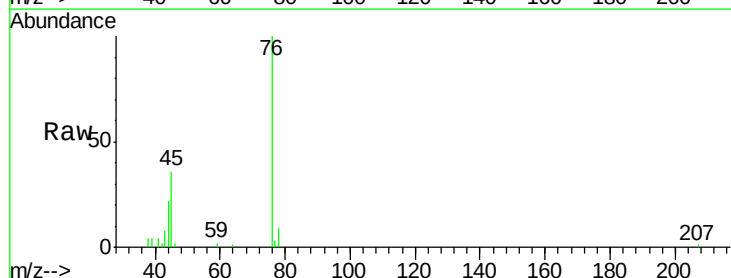
Acq: 15 May 2020 18:22

Tgt Ion: 76 Resp: 49714

Ion Ratio Lower Upper

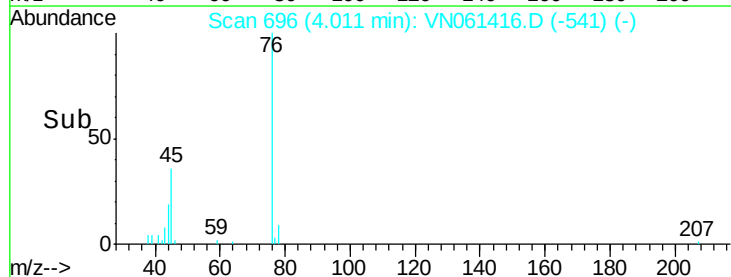
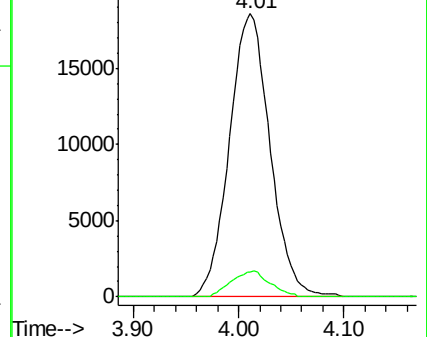
76 100

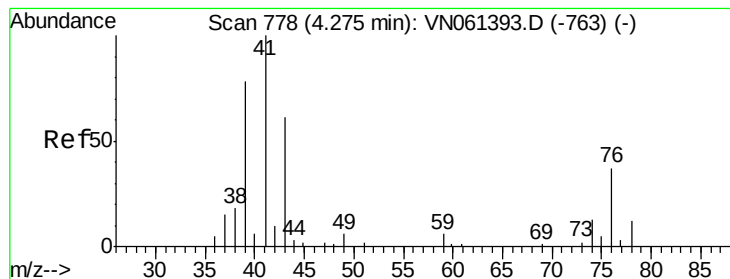
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN061416.D (-696) (-)

Ion 78.00 (77.70 to 78.70): VN061416.D (-696) (-)





#17

Allyl chloride

Concen: 20.20 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

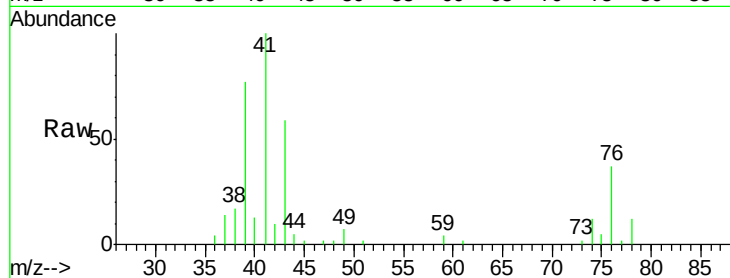
Tgt Ion: 41 Resp: 38974

Ion Ratio Lower Upper

41 100

39 77.7 39.6 118.8

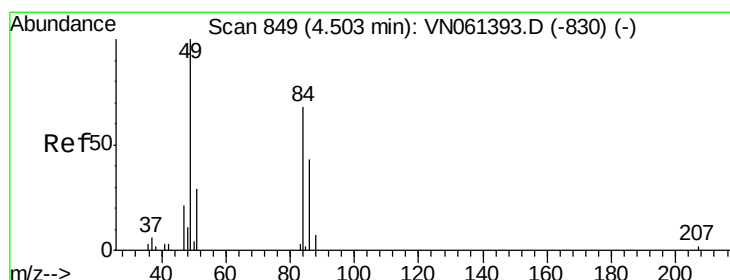
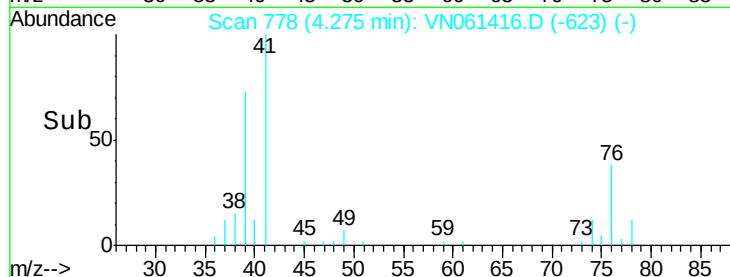
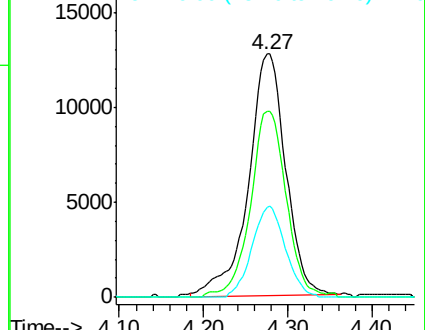
76 37.3 17.6 52.9



Abundance Ion 41.00 (40.70 to 41.70): VN061416.D (-623) (-)

Ion 39.00 (38.70 to 39.70): VN061416.D (-623) (-)

Ion 76.00 (75.70 to 76.70): VN061416.D (-623) (-)



#18

Methylene Chloride

Concen: 19.70 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Tgt Ion: 84 Resp: 22795

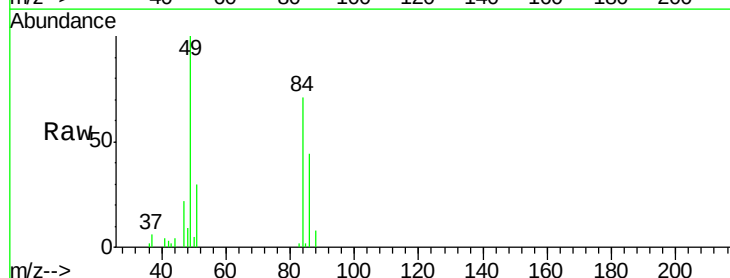
Ion Ratio Lower Upper

84 100

49 138.9 106.6 160.0

51 41.9 32.4 48.6

86 62.4 50.6 76.0

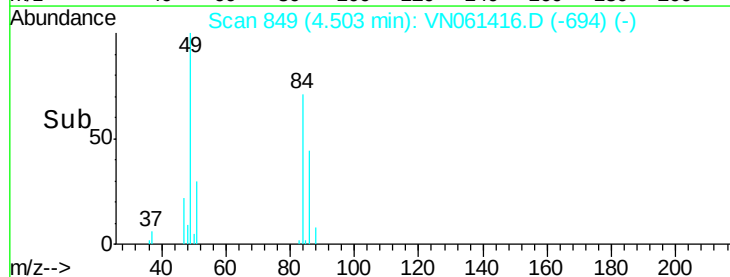
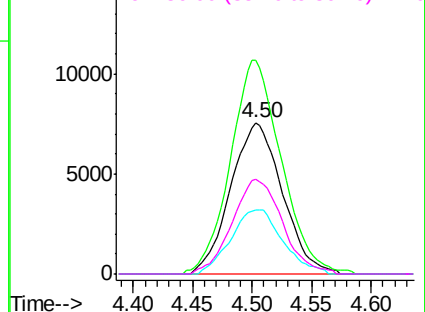


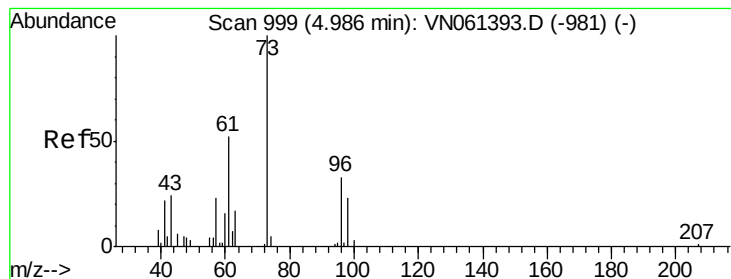
Abundance Ion 84.00 (83.70 to 84.70): VN061416.D (-694) (-)

Ion 49.00 (48.70 to 49.70): VN061416.D (-694) (-)

Ion 51.00 (50.70 to 51.70): VN061416.D (-694) (-)

Ion 86.00 (85.70 to 86.70): VN061416.D (-694) (-)





#19

trans-1,2-Dichloroethene

Concen: 18.94 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

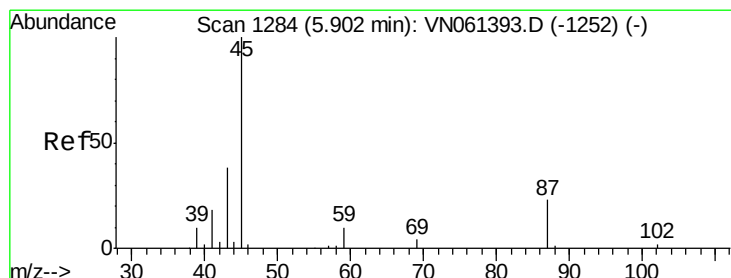
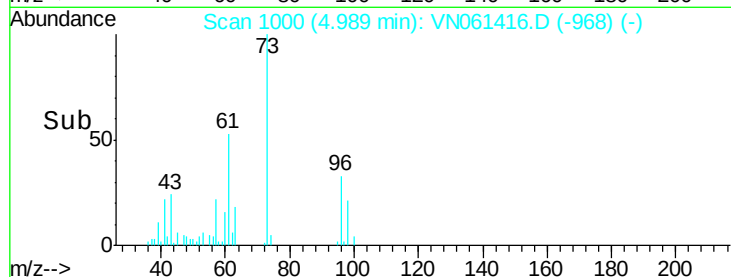
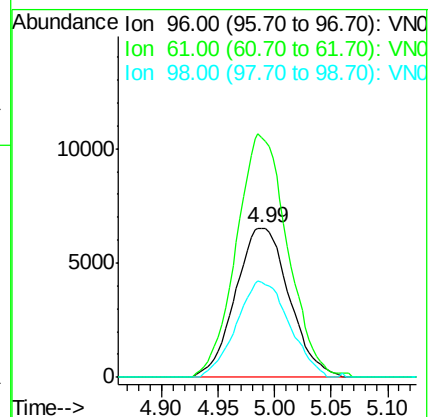
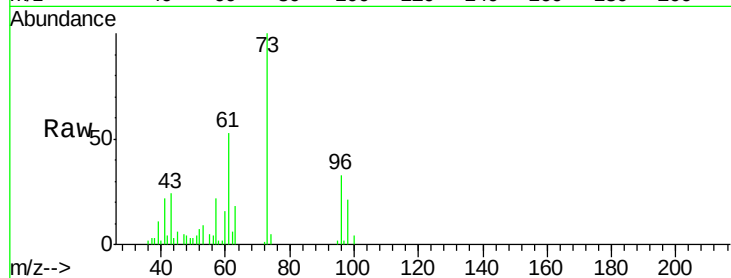
Tgt Ion: 96 Resp: 21603

Ion Ratio Lower Upper

96 100

61 160.8 131.8 197.6

98 63.9 52.6 79.0



#20

Diisopropyl ether

Concen: 18.75 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Tgt Ion: 45 Resp: 84213

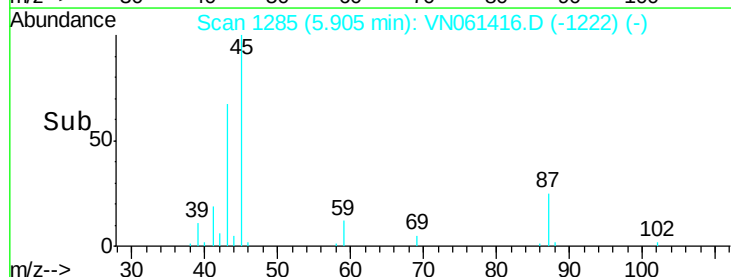
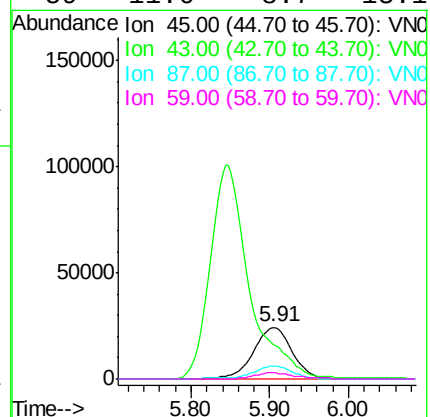
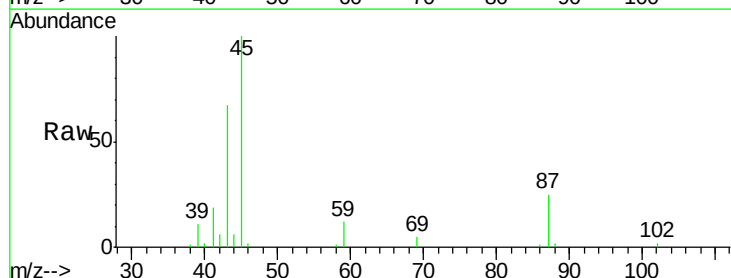
Ion Ratio Lower Upper

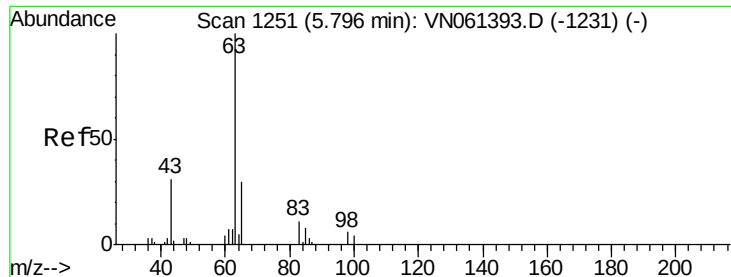
45 100

43 64.1 54.7 82.1

87 25.5 21.5 32.3

59 11.6 8.7 13.1

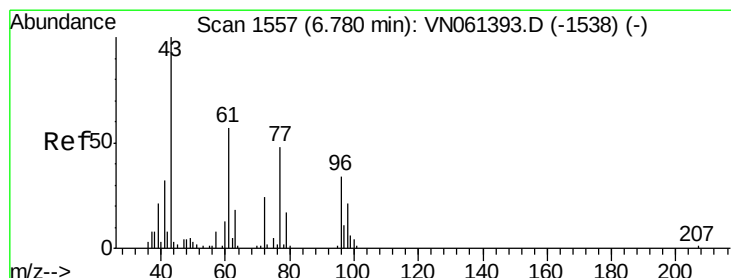
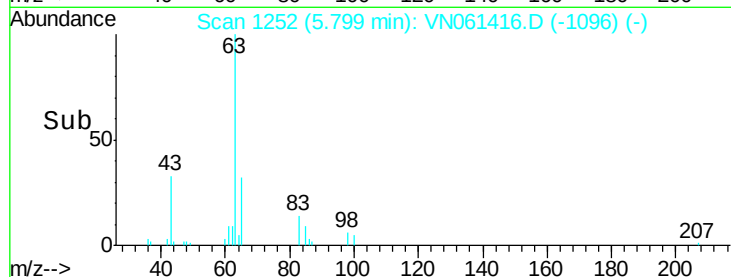
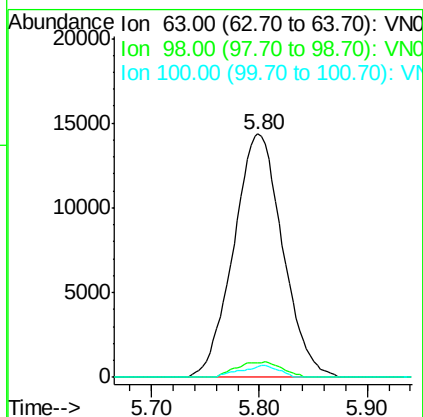
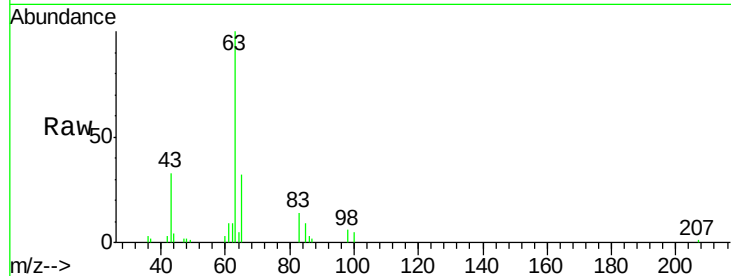




#21
 1,1-Dichloroethane
 Concen: 19.33 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

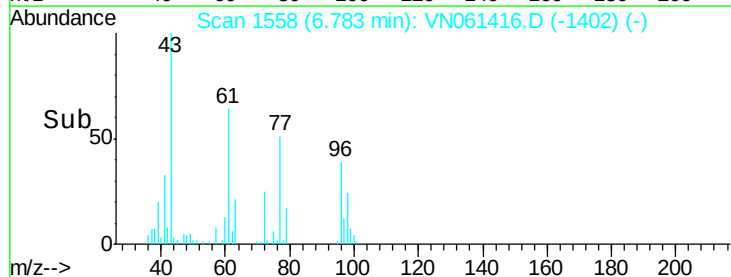
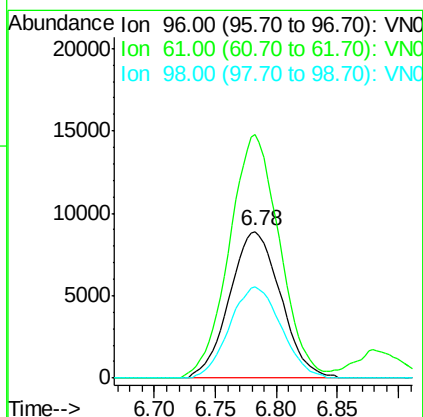
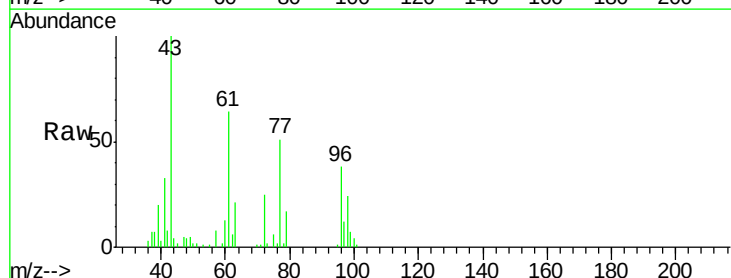
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

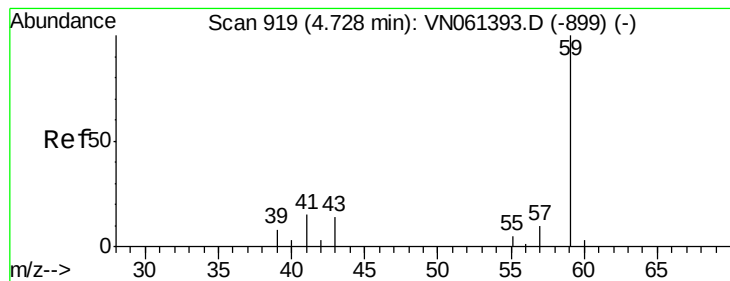
Tgt Ion: 63 Resp: 45336
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.6
 100 4.5 1.8 5.5



#22
 cis-1,2-Dichloroethene
 Concen: 19.30 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

Tgt Ion: 96 Resp: 25825
 Ion Ratio Lower Upper
 96 100
 61 163.7 127.2 190.8
 98 62.8 50.5 75.7





#23

tert-Butyl Alcohol

Concen: 78.37 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.01 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

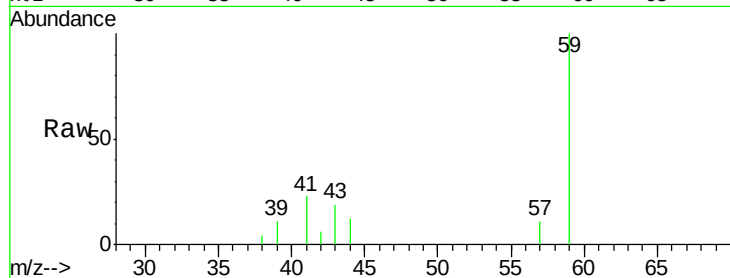
VSTDCCC020EC

Tgt Ion: 59 Resp: 13728

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN061393.D (-899) (-)

Ion 52.00 (51.70 to 52.70): VN061393.D (-899) (-)

4.74

4000

3000

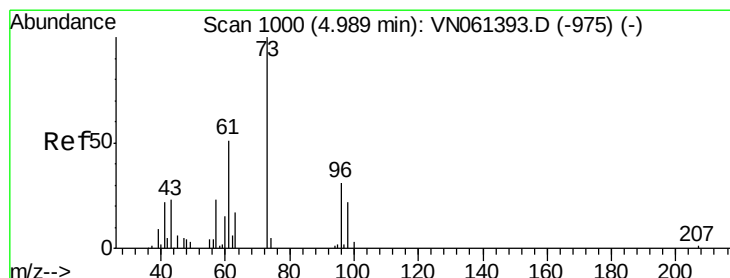
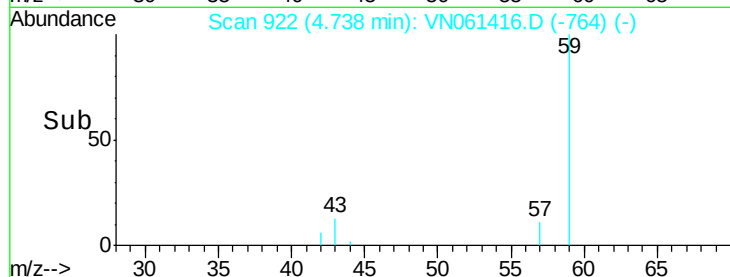
2000

1000

0

4.65 4.70 4.75 4.80 4.85

Time-->



#24

Methyl tert-Butyl Ether

Concen: 19.37 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN061416.D

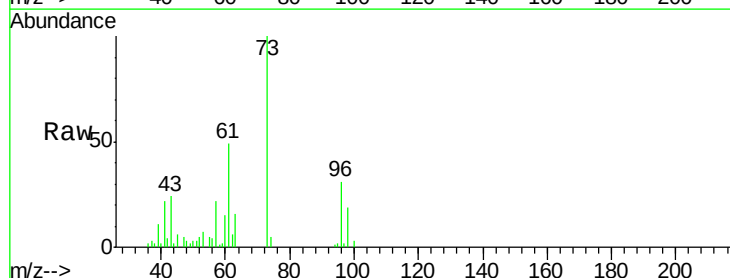
Acq: 15 May 2020 18:22

Tgt Ion: 73 Resp: 75375

Ion Ratio Lower Upper

73 100

43 12.5 17.9 26.9#



Abundance Ion 73.00 (72.70 to 73.70): VN061393.D (-975) (-)

Ion 43.00 (42.70 to 43.70): VN061393.D (-975) (-)

5.00

20000

15000

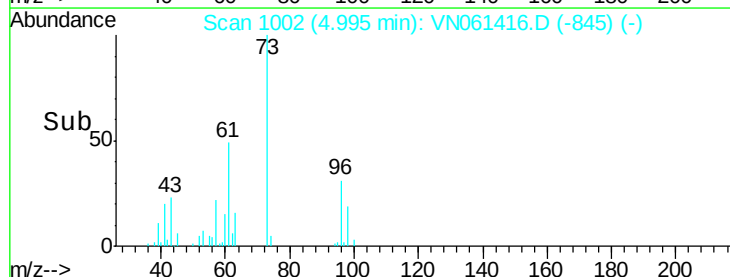
10000

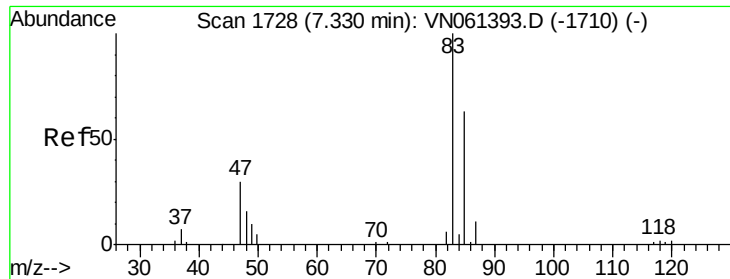
5000

0

4.90 5.00 5.10

Time-->

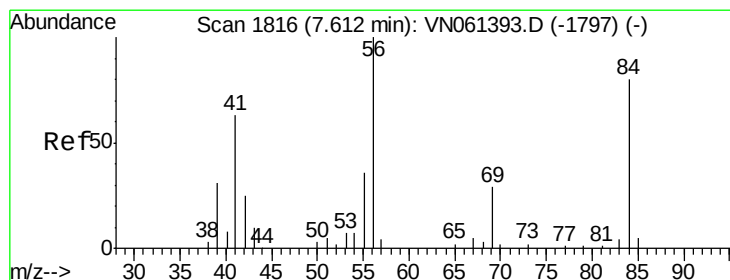
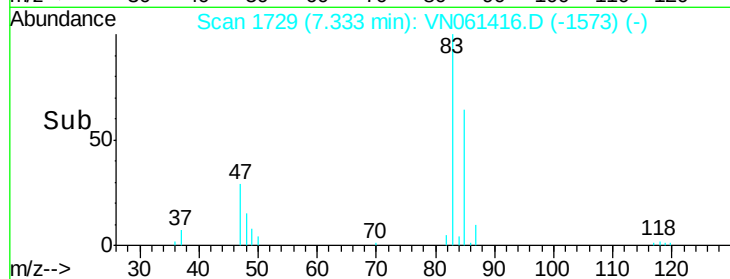
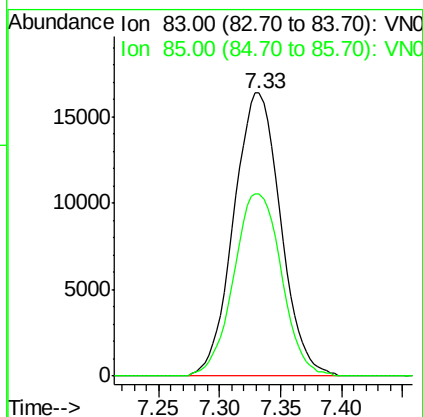
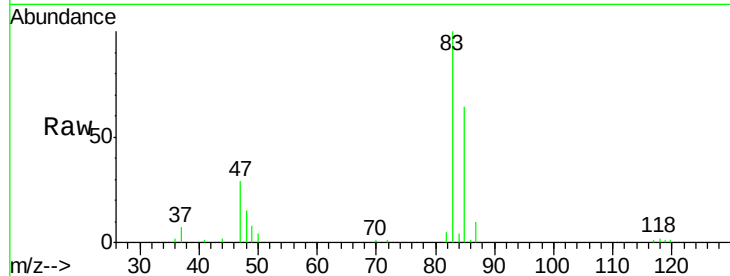




#25
Chloroform
Concen: 19.24 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

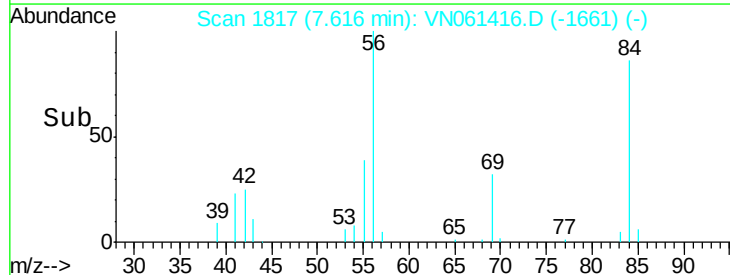
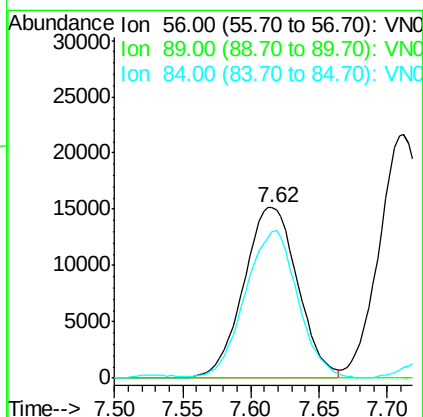
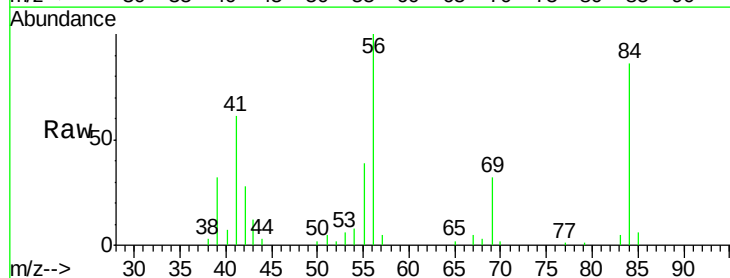
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

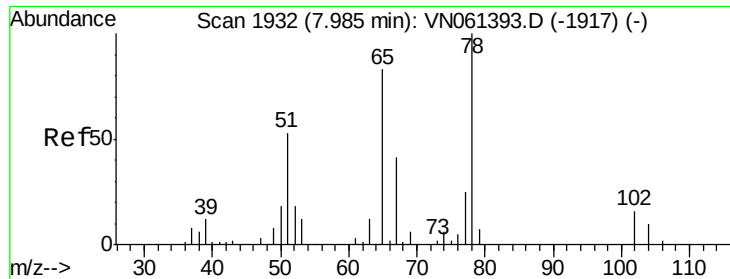
Tgt Ion: 83 Resp: 43745
Ion Ratio Lower Upper
83 100
85 64.3 53.8 80.8



#26
Cyclohexane
Concen: 18.63 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

Tgt Ion: 56 Resp: 41722
Ion Ratio Lower Upper
56 100
89 0.0 6.2 9.2#
84 84.2 65.6 98.4

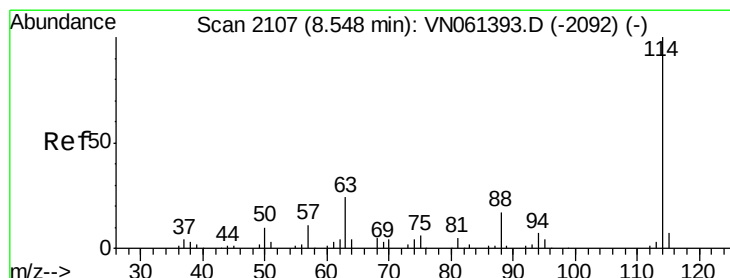
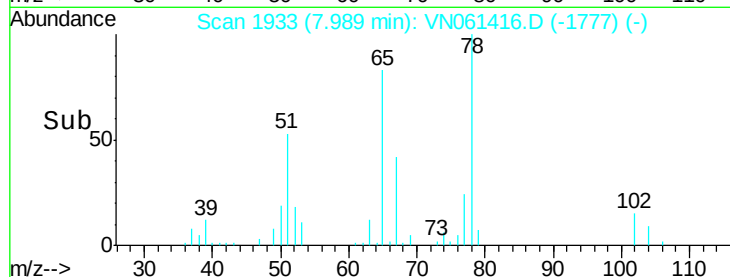
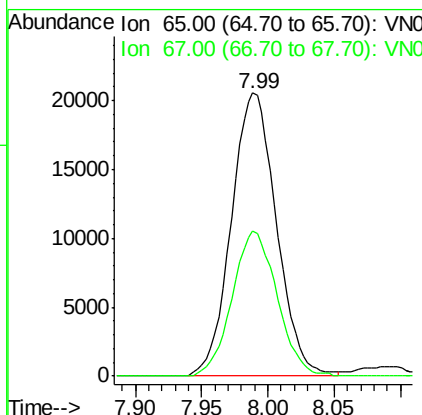
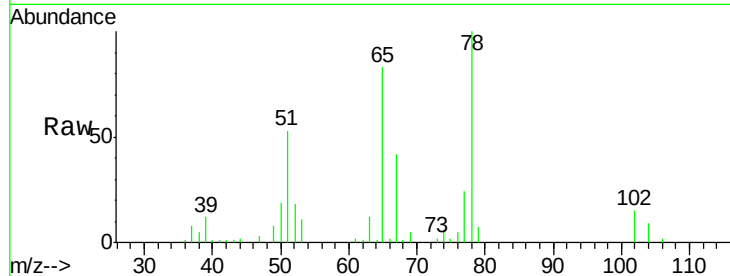




#27
 1,2-Dichloroethane-d4
 Concen: 30.38 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

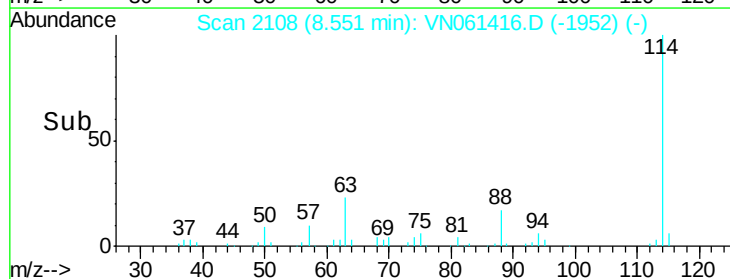
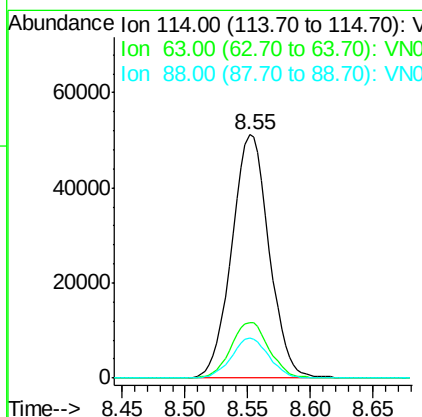
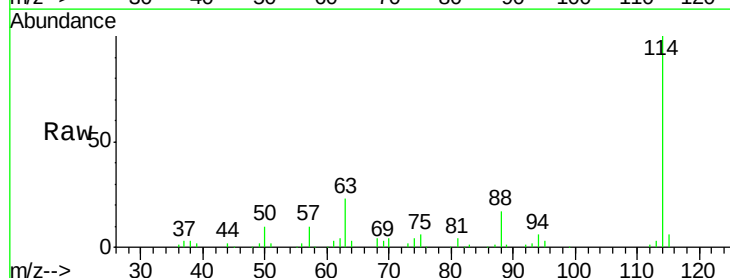
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

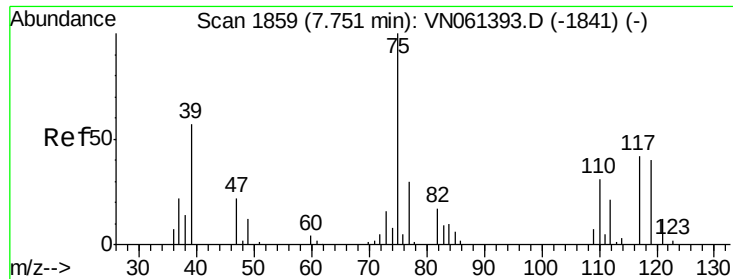
Tgt Ion: 65 Resp: 48561
 Ion Ratio Lower Upper
 65 100
 67 50.9 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

Tgt Ion: 114 Resp: 105860
 Ion Ratio Lower Upper
 114 100
 63 23.4 18.1 27.1
 88 16.4 13.0 19.4





#29

1,1-Dichloropropene

Concen: 18.43 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

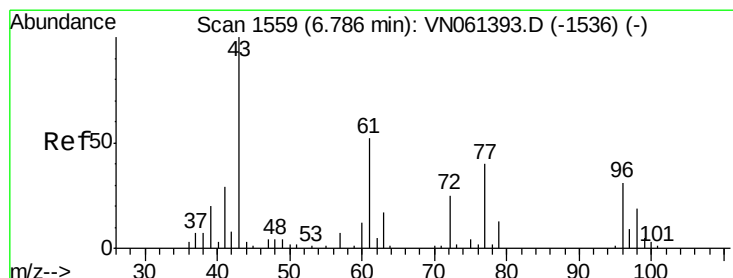
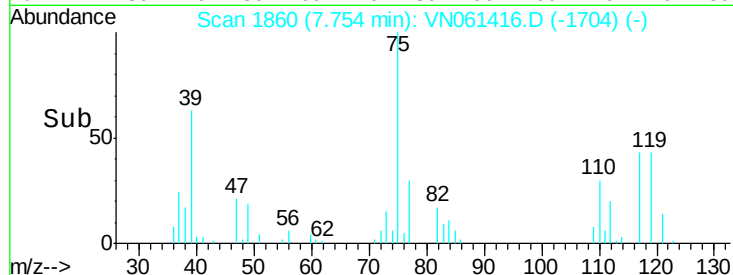
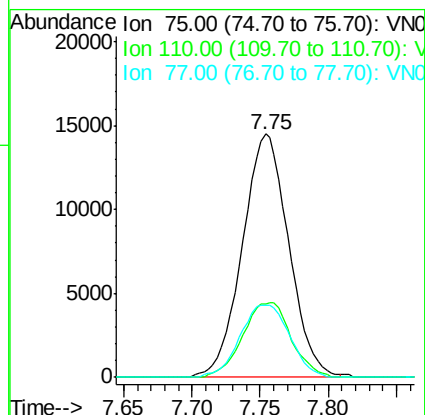
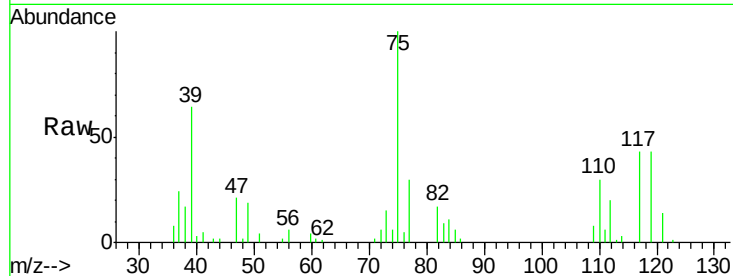
Tgt Ion: 75 Resp: 34241

Ion Ratio Lower Upper

75 100

110 32.1 0.0 64.6

77 31.9 0.0 60.8



#30

2-Butanone

Concen: 90.66 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

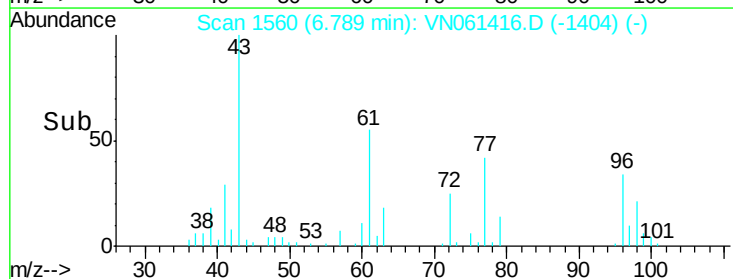
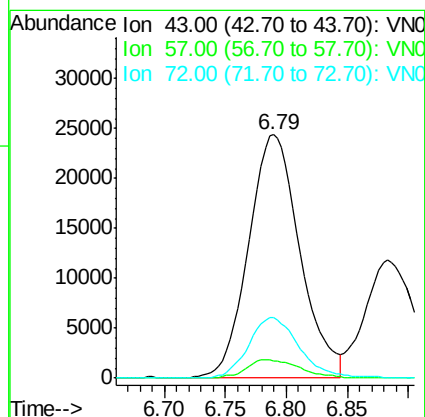
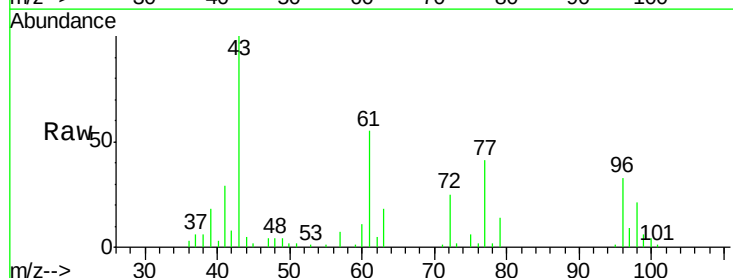
Tgt Ion: 43 Resp: 71240

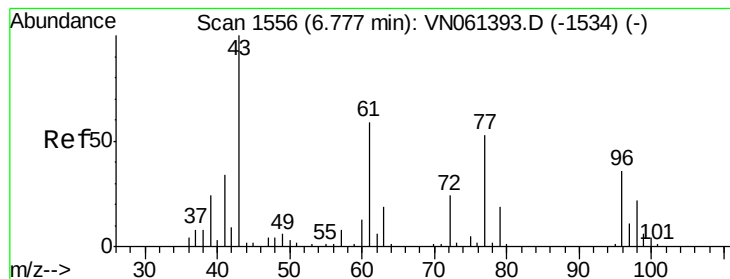
Ion Ratio Lower Upper

43 100

57 7.8 6.5 9.7

72 24.5 20.1 30.1





#31

2,2-Dichloropropane

Concen: 17.68 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

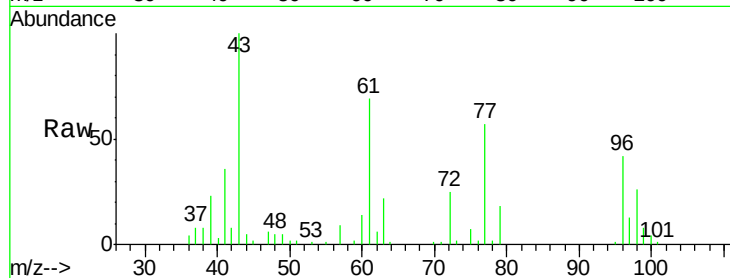
VSTDCCC020EC

Tgt Ion: 77 Resp: 38366

Ion Ratio Lower Upper

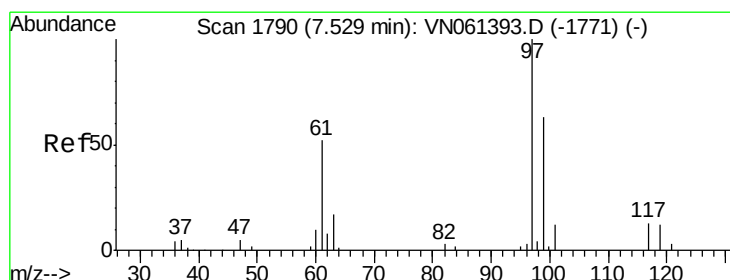
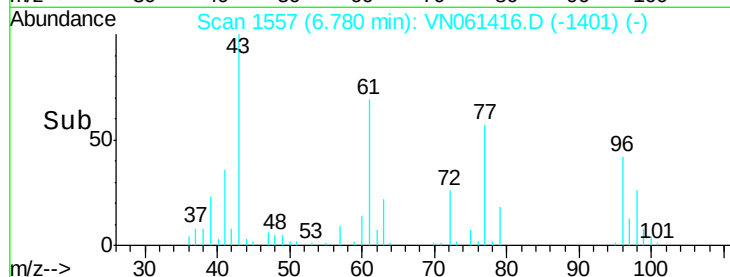
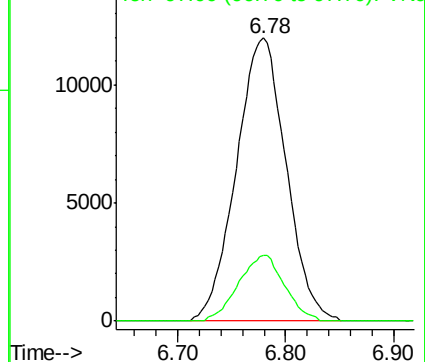
77 100

97 21.5 17.9 26.9



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.84 ug/l

RT: 7.53 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

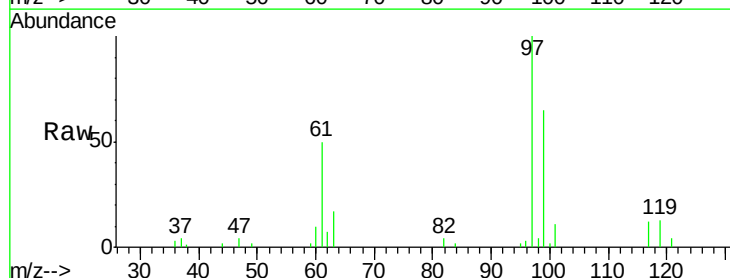
Tgt Ion: 97 Resp: 39158

Ion Ratio Lower Upper

97 100

99 63.4 51.3 76.9

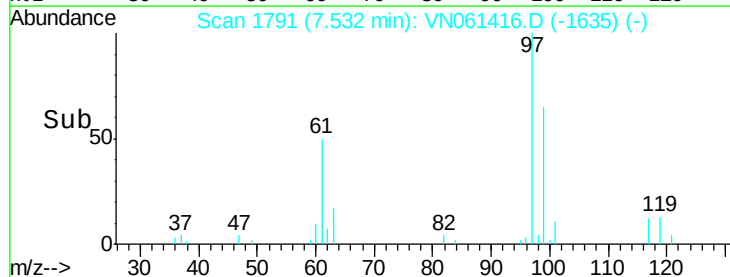
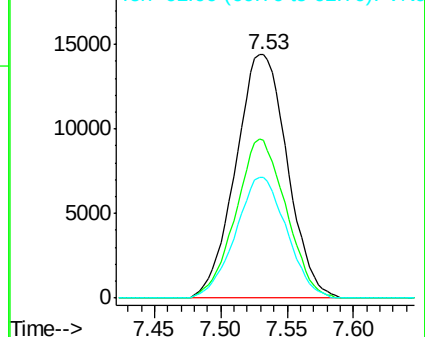
61 48.9 38.4 57.6

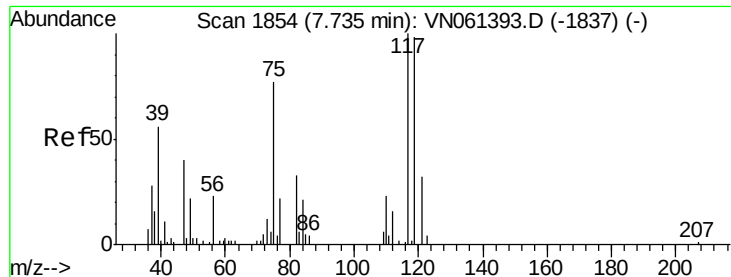


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

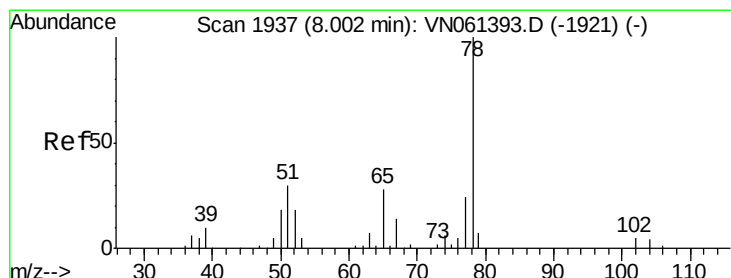
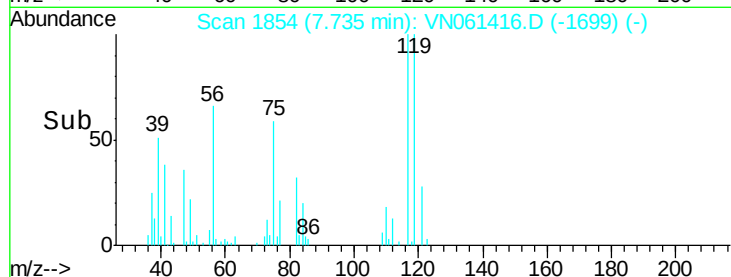
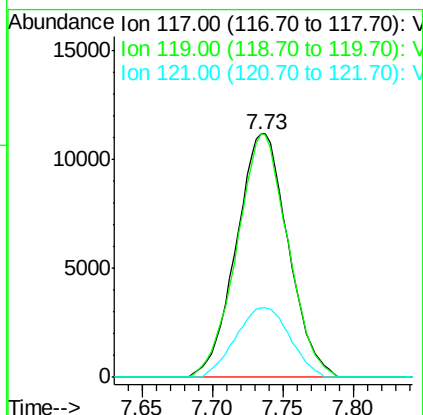
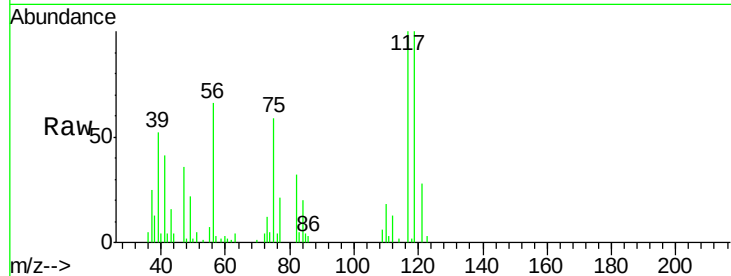




#33
Carbon Tetrachloride
Concen: 18.01 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

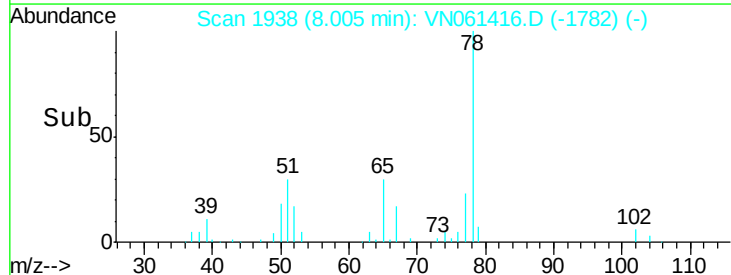
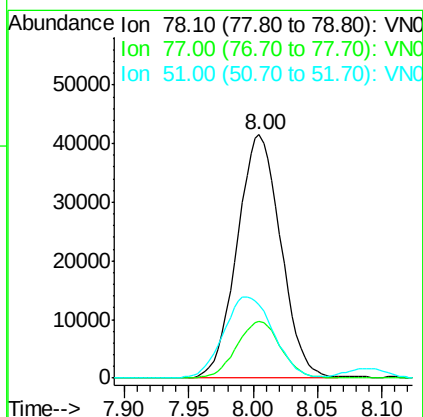
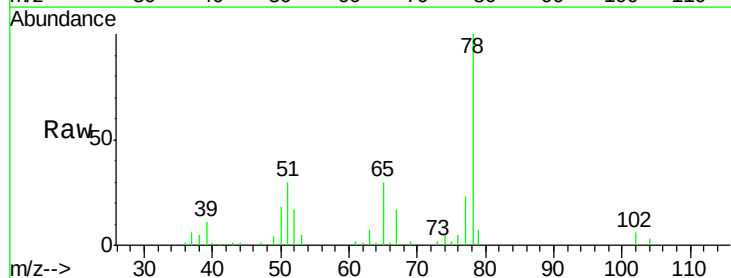
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

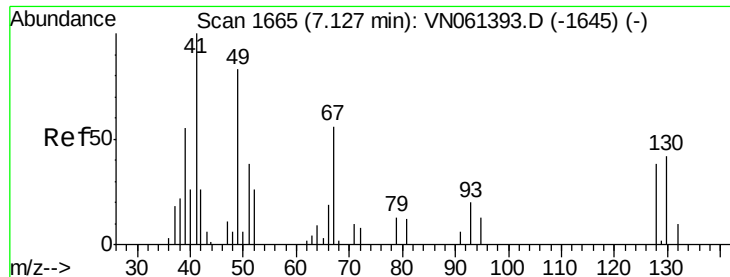
Tgt Ion: 117 Resp: 28728
Ion Ratio Lower Upper
117 100
119 100.0 76.9 115.3
121 28.4 23.8 35.8



#34
Benzene
Concen: 18.64 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

Tgt Ion: 78 Resp: 97936
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8
51 29.4 22.1 33.1

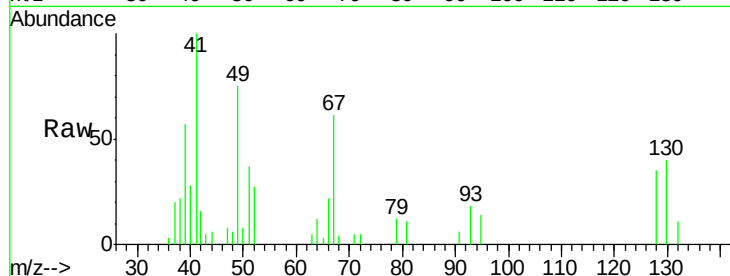




#35
Methacrylonitrile
Concen: 17.52 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:	41	Resp:	13808
Ion	Ratio	Lower	Upper
41	100		
39	55.1	25.8	77.4
67	61.5	23.0	69.0
52	27.3	10.1	30.1



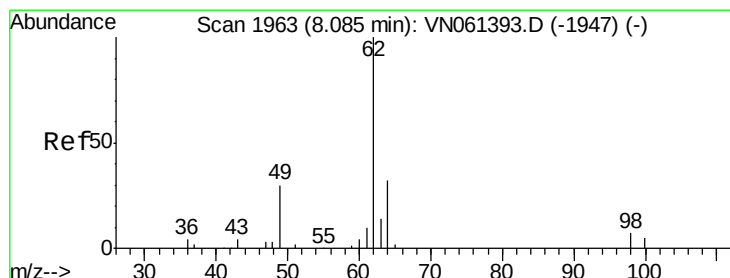
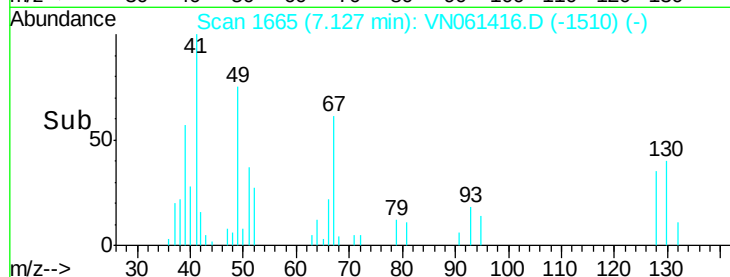
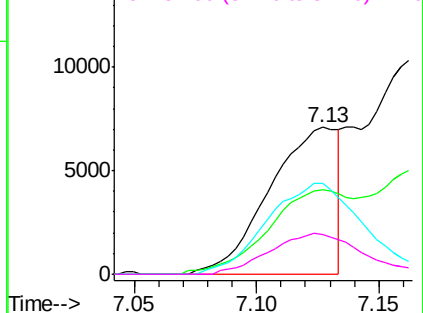
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

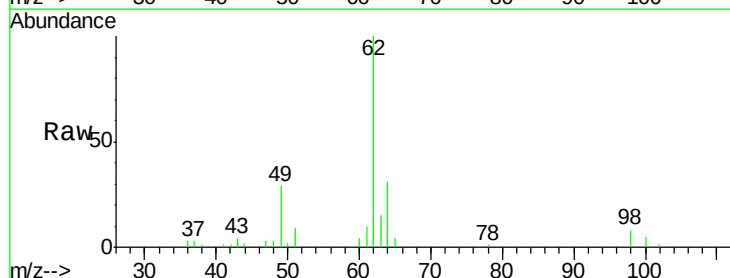
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 19.55 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

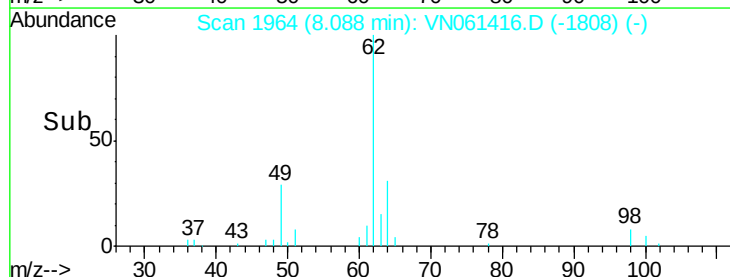
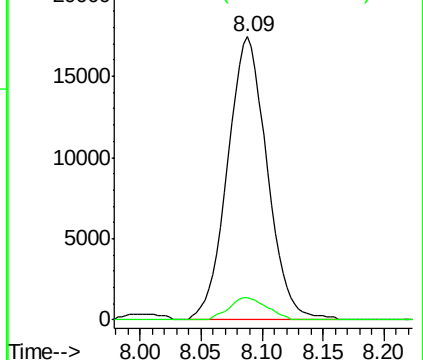
Tgt Ion:	62	Resp:	39432
Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.4	9.6

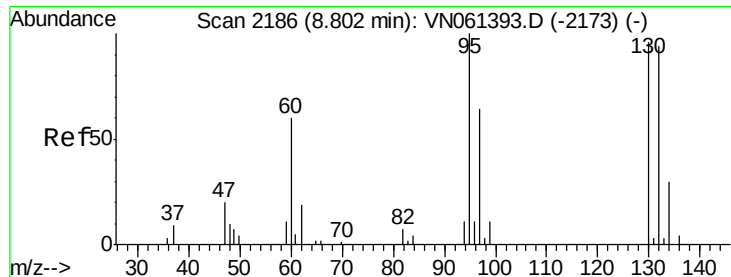


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 19.43 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

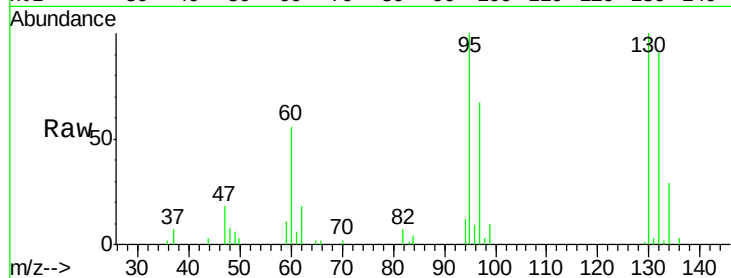
VSTDCCC020EC

Tgt Ion:130 Resp: 25144

Ion Ratio Lower Upper

130 100

95 100.1 83.2 124.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

15000

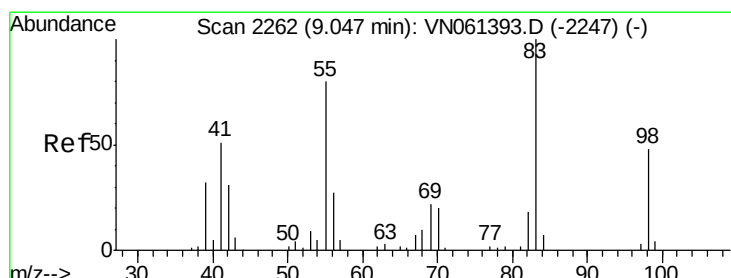
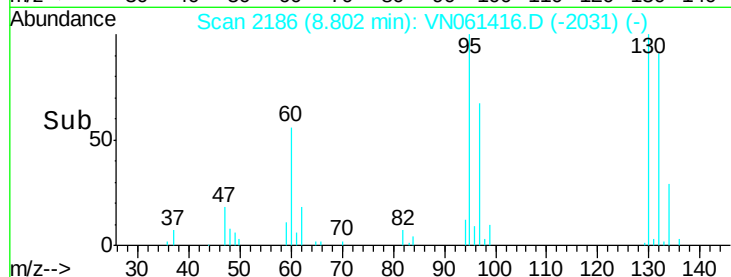
10000

5000

0

8.75 8.80 8.85

Time-->



#38

Methylcyclohexane

Concen: 17.80 ug/l

RT: 9.05 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

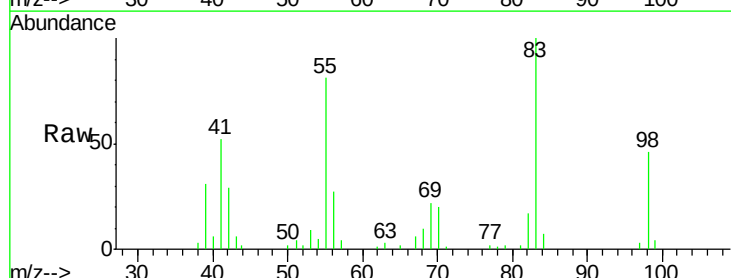
Tgt Ion: 83 Resp: 39694

Ion Ratio Lower Upper

83 100

55 81.4 40.4 121.1

98 47.0 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

9.05

25000

20000

15000

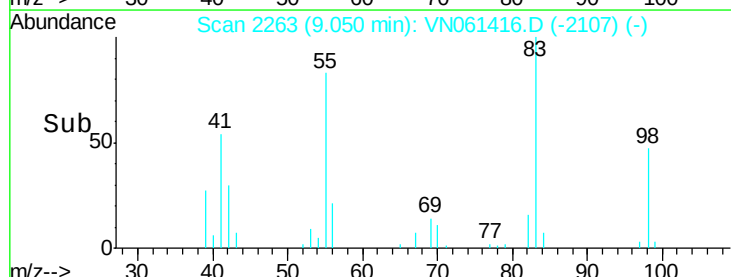
10000

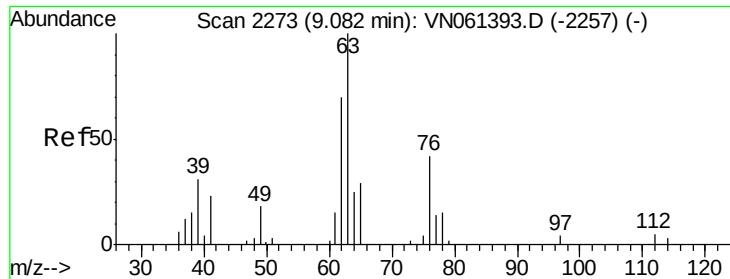
5000

0

8.95 9.00 9.05 9.10

Time-->

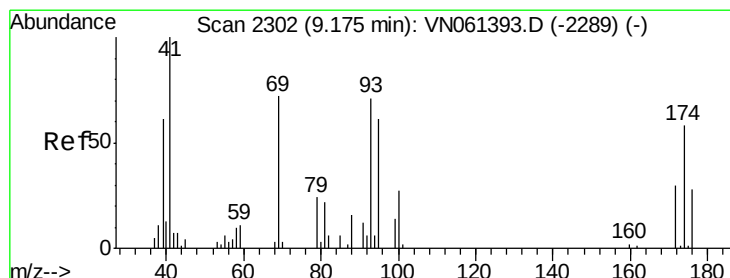
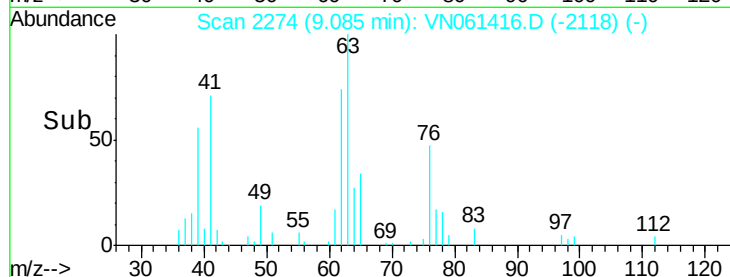
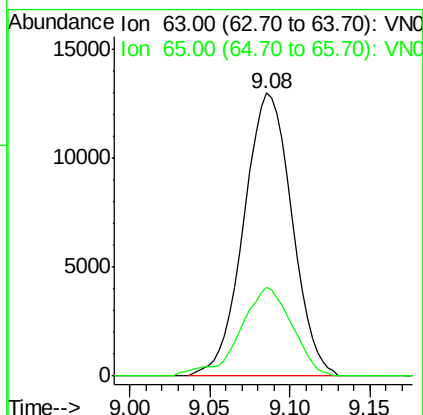
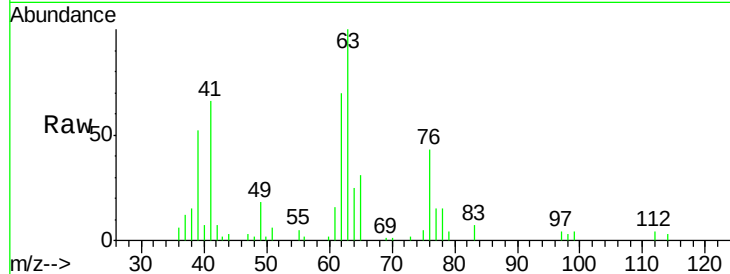




#39
 1,2-Dichloropropane
 Concen: 18.62 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

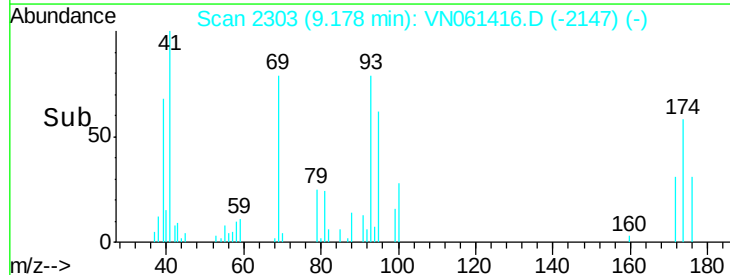
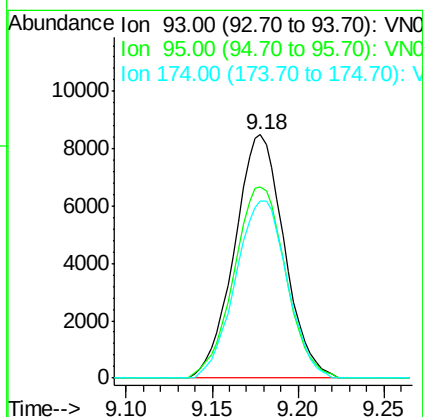
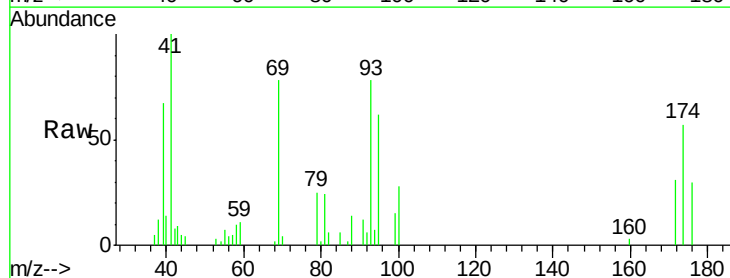
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

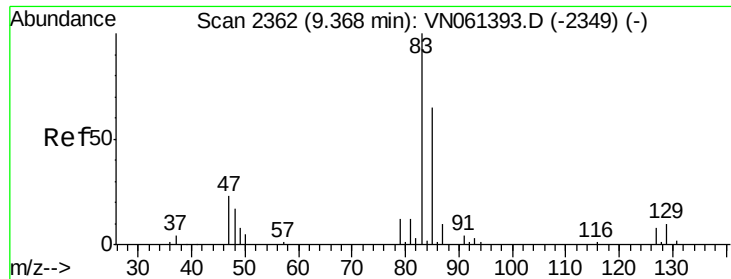
Tgt Ion: 63 Resp: 26905
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.8 35.6



#40
 Dibromomethane
 Concen: 19.12 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

Tgt Ion: 93 Resp: 17062
 Ion Ratio Lower Upper
 93 100
 95 81.7 0.0 167.6
 174 75.6 0.0 187.2

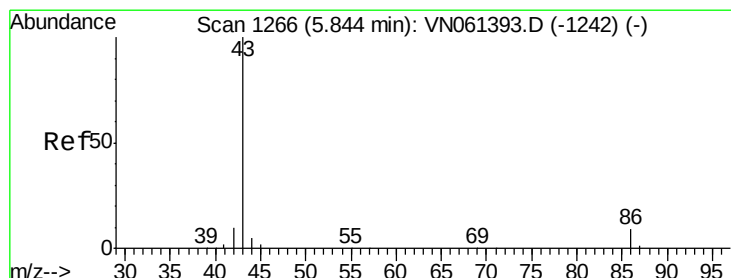
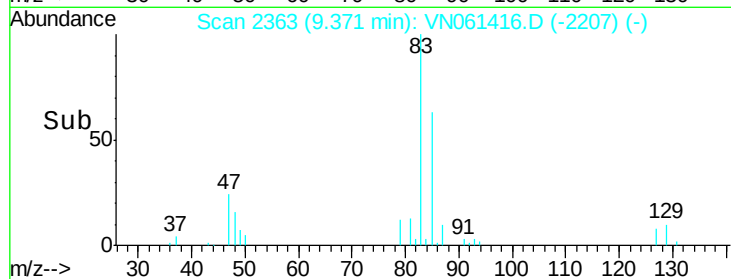
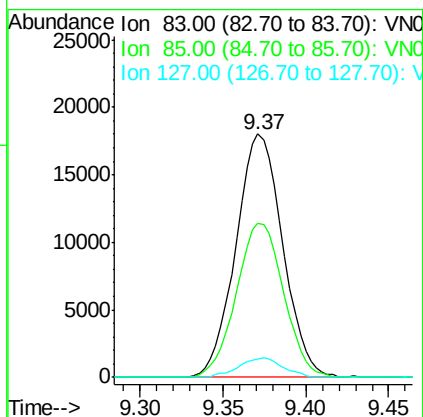
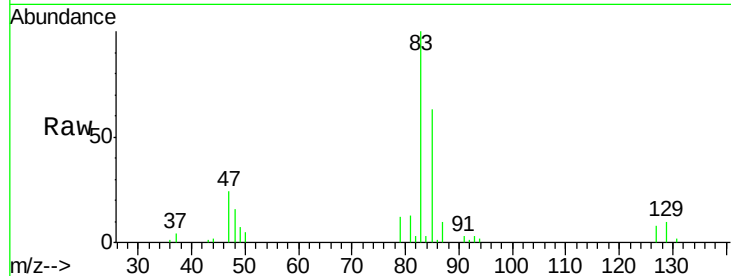




#41
 Bromodichloromethane
 Concen: 18.30 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

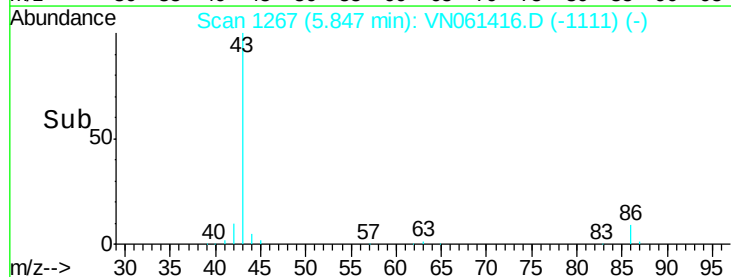
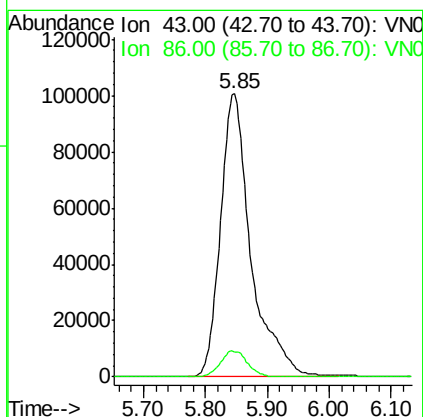
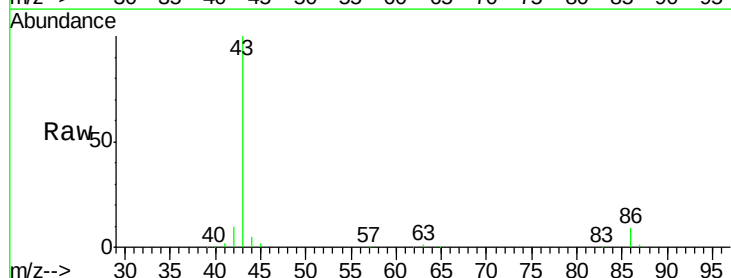
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

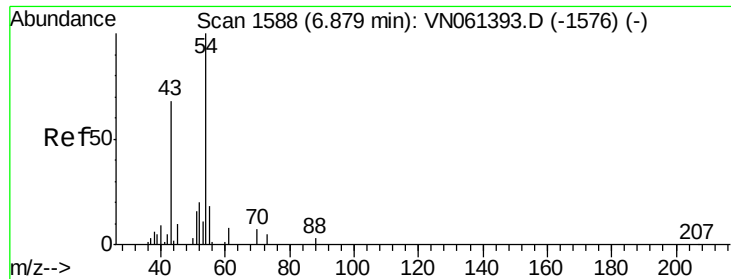
Tgt Ion: 83 Resp: 35422
 Ion Ratio Lower Upper
 83 100
 85 63.2 51.0 76.4
 127 7.6 6.6 9.8



#42
 Vinyl Acetate
 Concen: 92.65 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

Tgt Ion: 43 Resp: 345738
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.5 9.7





#43

Ethyl Acetate

Concen: 19.93 ug/l

RT: 6.88 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

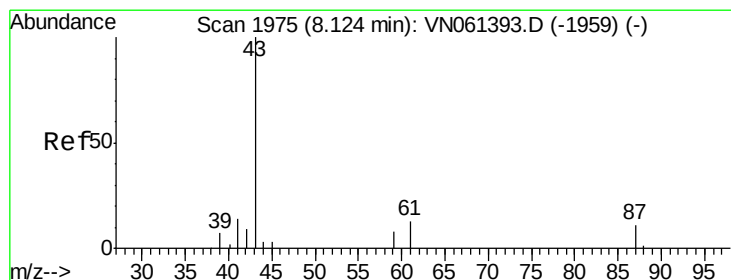
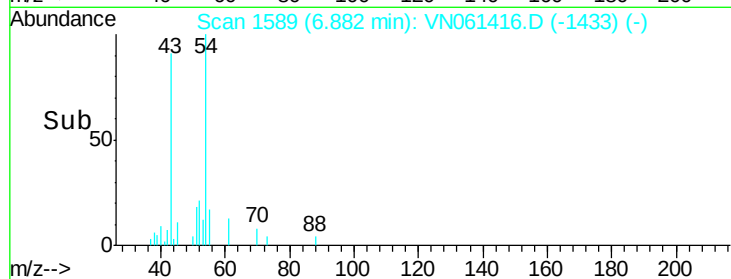
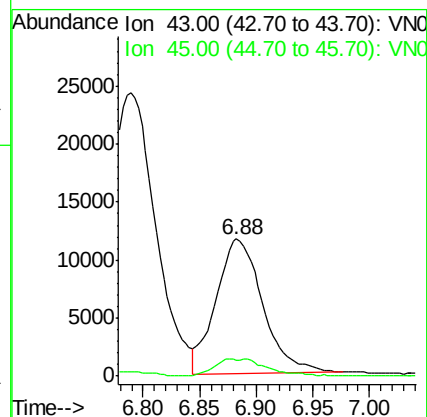
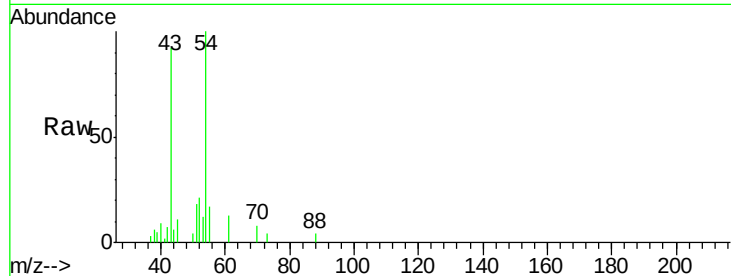
VSTDCCC020EC

Tgt Ion: 43 Resp: 33445

Ion Ratio Lower Upper

43 100

45 7.1 9.7 14.5#



#44

Isopropyl Acetate

Concen: 18.62 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061416.D

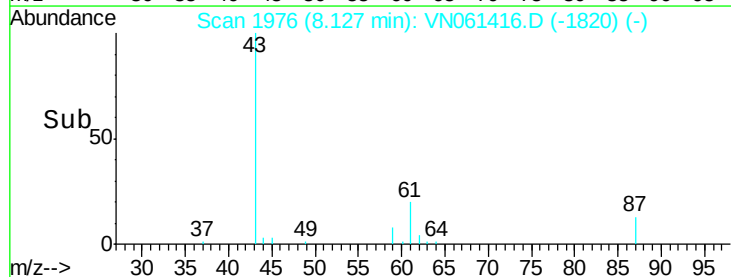
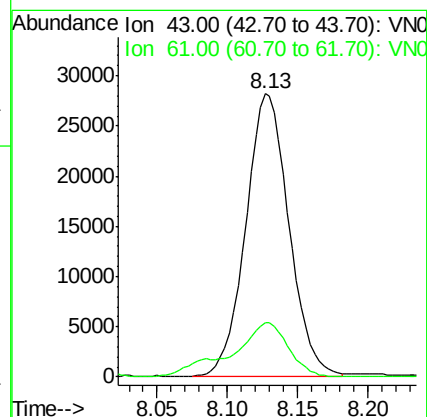
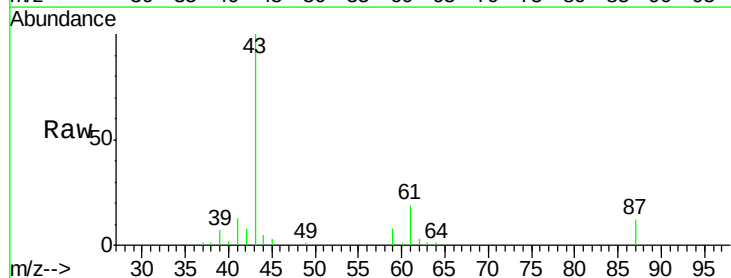
Acq: 15 May 2020 18:22

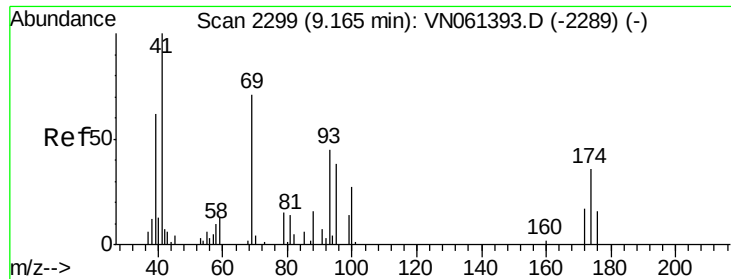
Tgt Ion: 43 Resp: 60670

Ion Ratio Lower Upper

43 100

61 19.0 19.9 29.9#

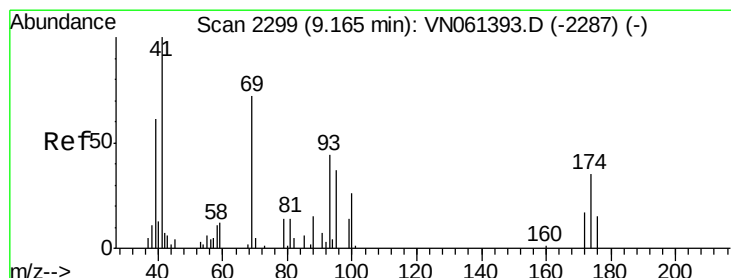
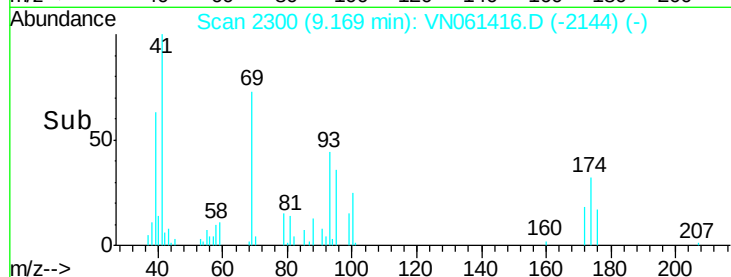
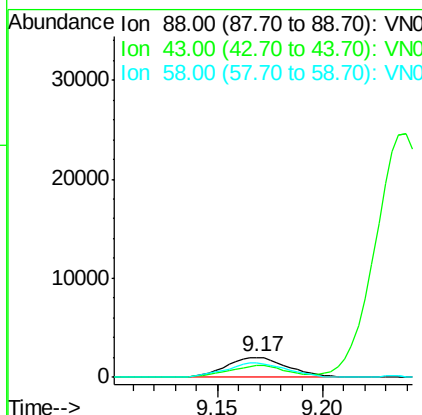
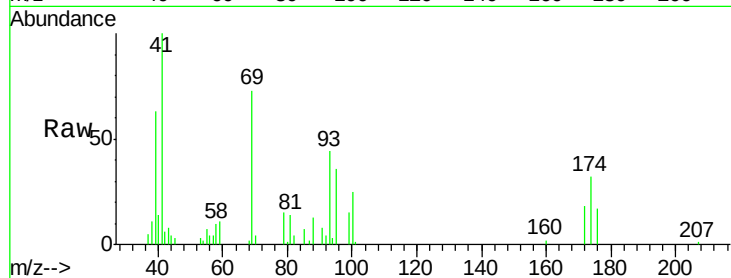




#45
 1,4-Dioxane
 Concen: 316.00 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

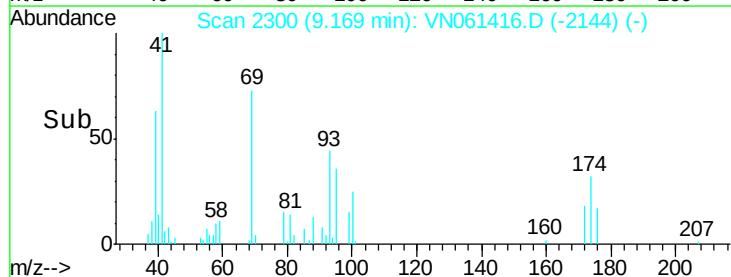
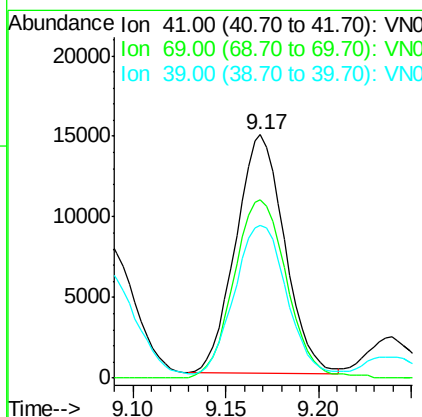
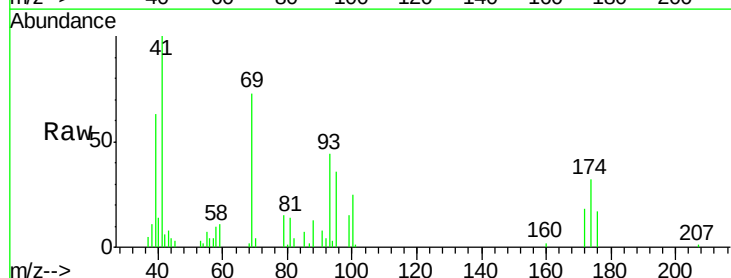
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

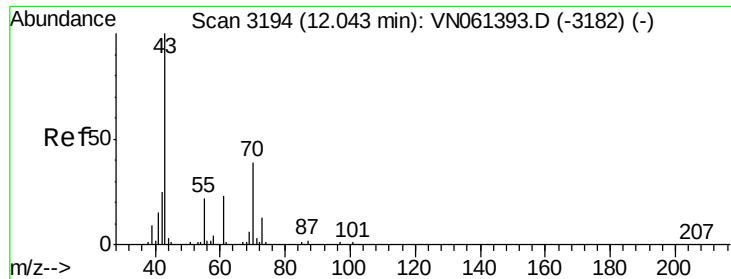
Tgt Ion: 88 Resp: 4064
 Ion Ratio Lower Upper
 88 100
 43 58.8 29.8 44.8#
 58 71.2 58.2 87.4



#46
 Methyl methacrylate
 Concen: 17.68 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

Tgt Ion: 41 Resp: 27091
 Ion Ratio Lower Upper
 41 100
 69 75.2 40.2 120.5
 39 62.6 29.9 89.8

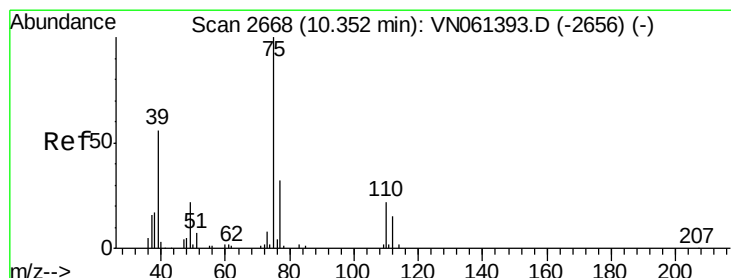
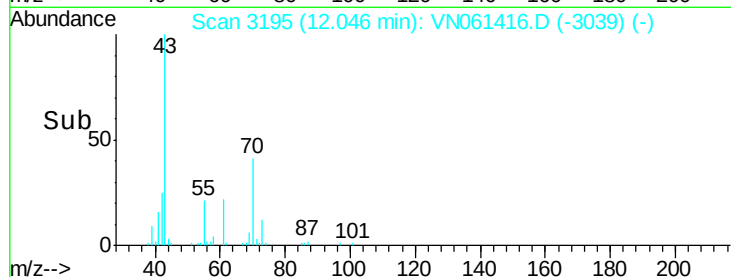
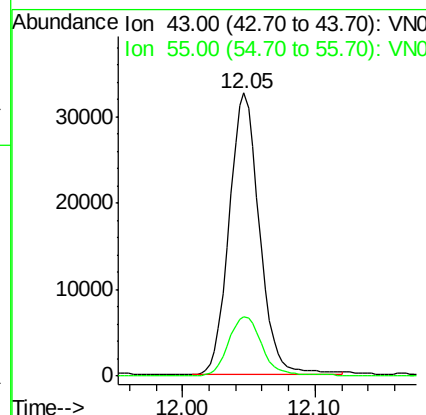
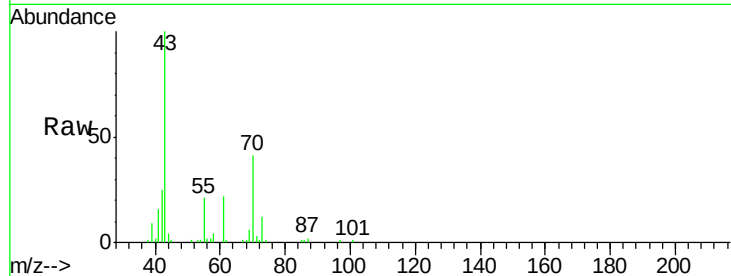




#47
n-amyI Acetate
Concen: 17.75 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

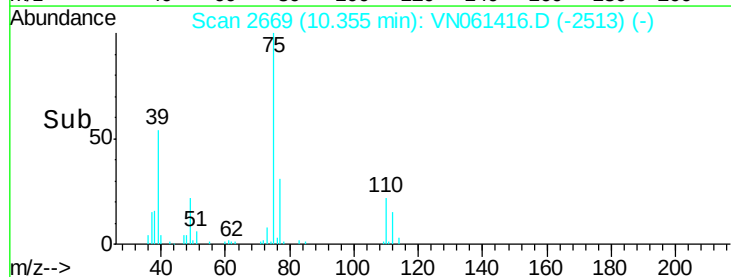
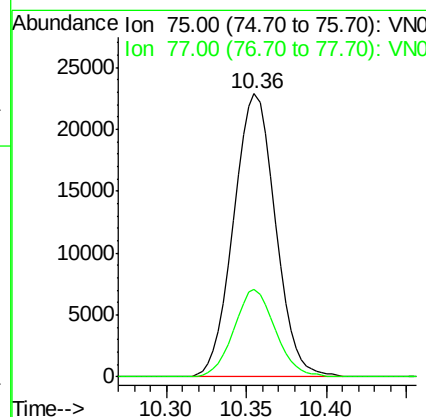
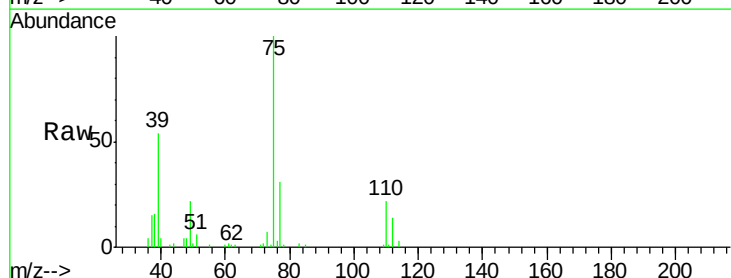
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

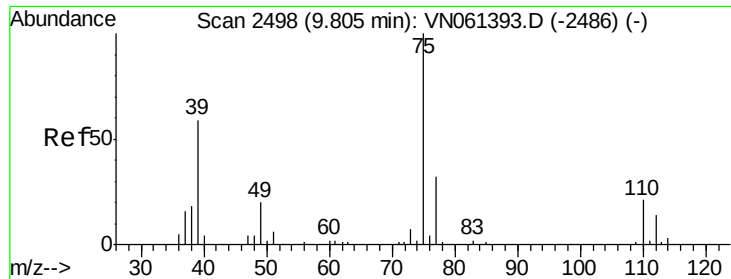
Tgt Ion: 43 Resp: 51586
Ion Ratio Lower Upper
43 100
55 23.6 19.6 29.4



#48
t-1,3-Dichloropropene
Concen: 17.86 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

Tgt Ion: 75 Resp: 40810
Ion Ratio Lower Upper
75 100
77 31.0 27.0 40.4

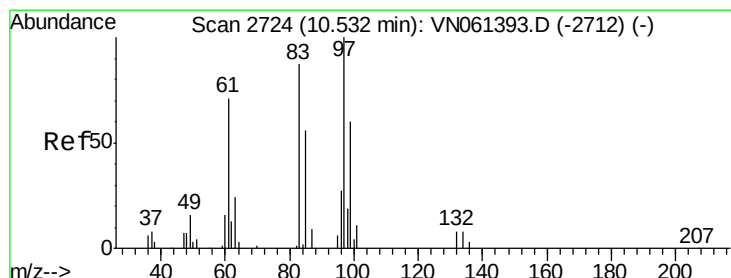
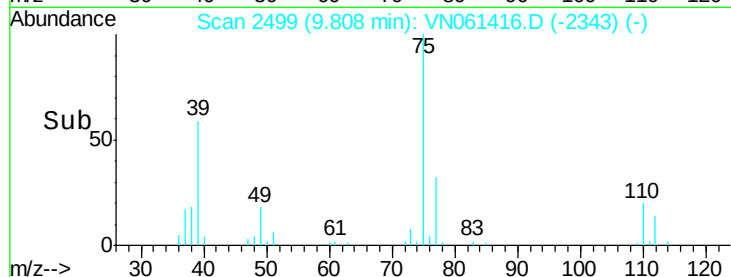
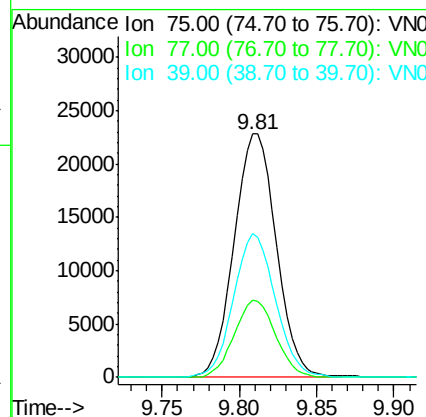
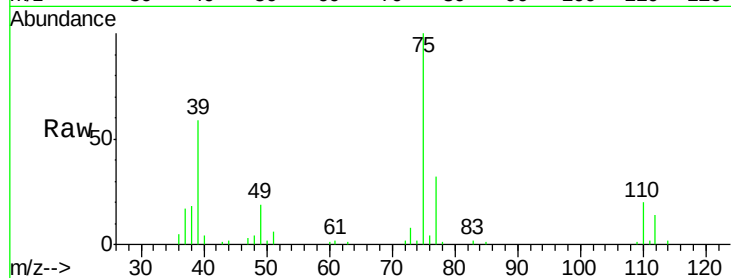




#49
 cis-1,3-Dichloropropene
 Concen: 17.92 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

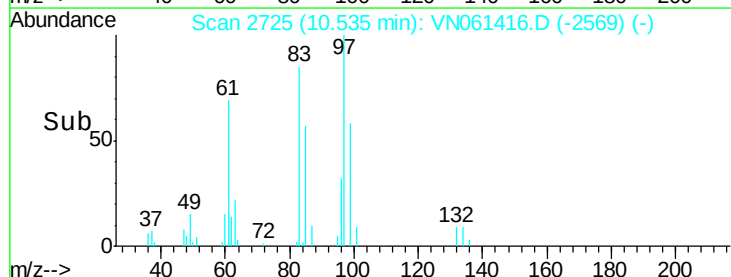
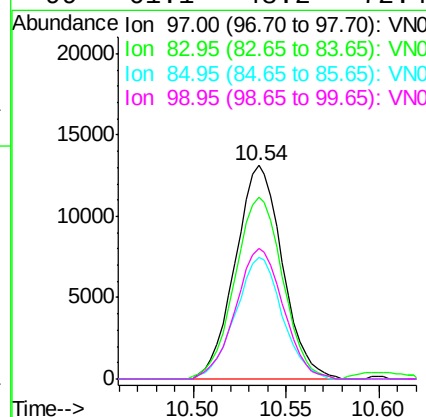
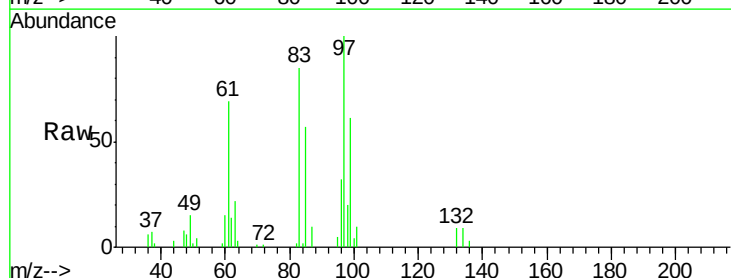
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

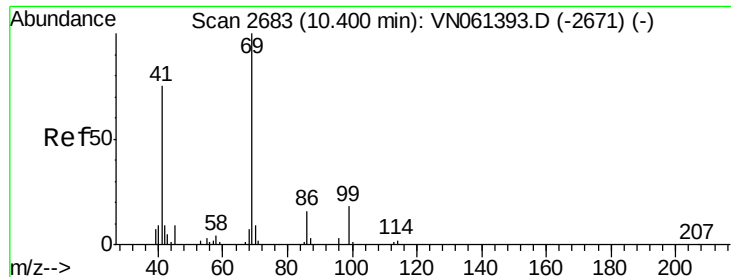
Tgt Ion: 75 Resp: 43314
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.1 39.1
 39 58.9 43.1 64.7



#50
 1,1,2-Trichloroethane
 Concen: 18.91 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

Tgt Ion: 97 Resp: 23331
 Ion Ratio Lower Upper
 97 100
 83 84.8 70.7 106.1
 85 57.1 45.1 67.7
 99 61.1 48.2 72.4





#51

Ethyl methacrylate

Concen: 18.37 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

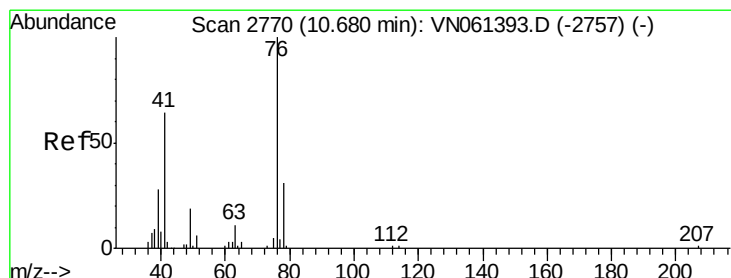
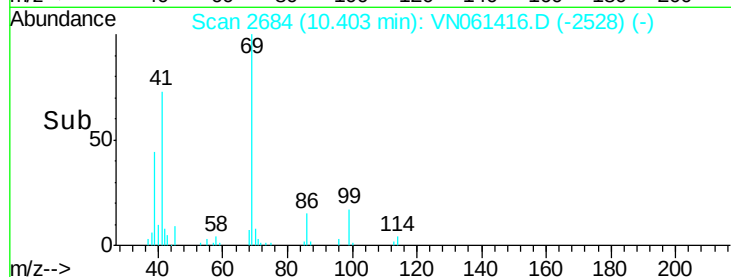
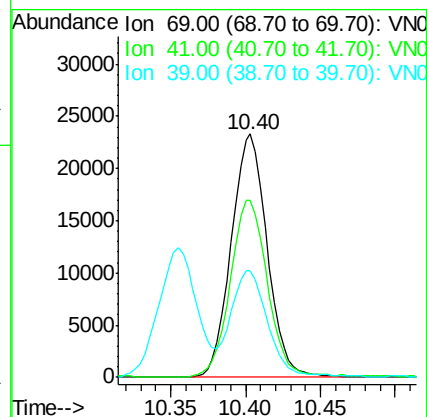
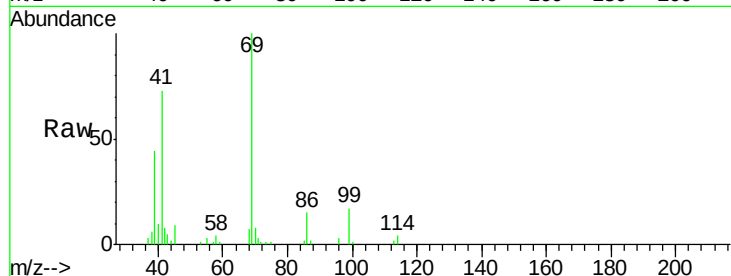
Tgt Ion: 69 Resp: 39052

Ion Ratio Lower Upper

69 100

41 72.1 34.7 104.1

39 42.9 20.3 60.8



#52

1,3-Dichloropropane

Concen: 19.01 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN061416.D

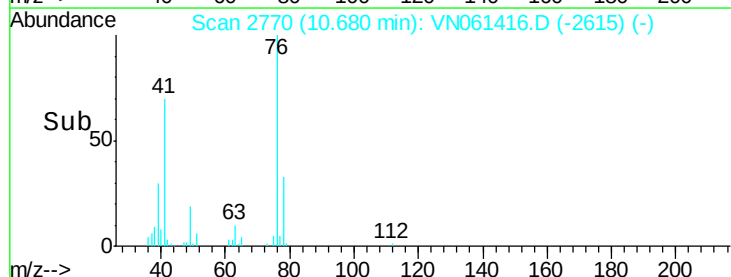
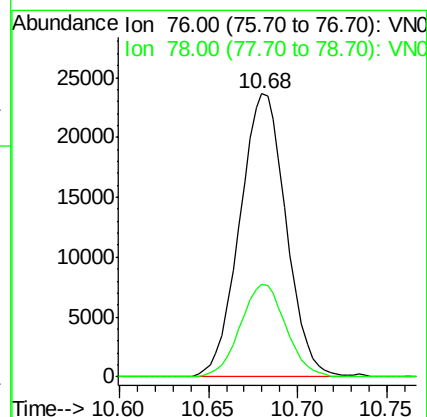
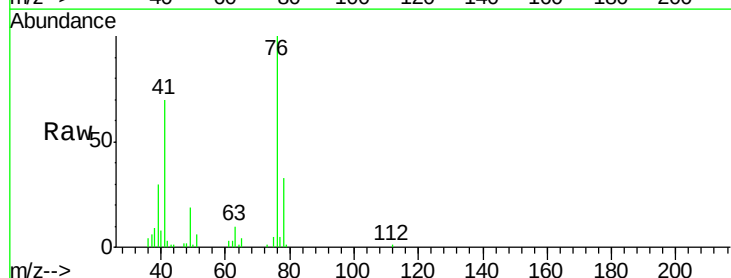
Acq: 15 May 2020 18:22

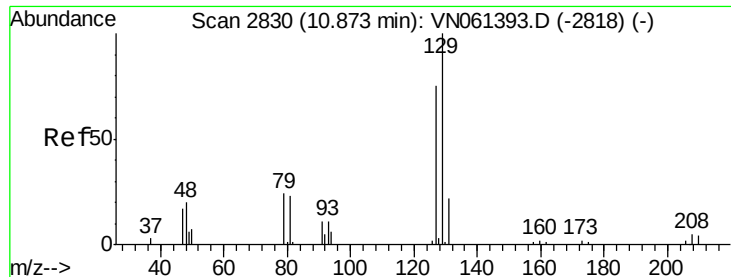
Tgt Ion: 76 Resp: 42841

Ion Ratio Lower Upper

76 100

78 32.2 0.0 63.2





#53

Dibromochloromethane

Concen: 17.81 ug/l

RT: 10.88 min Scan# 2831

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

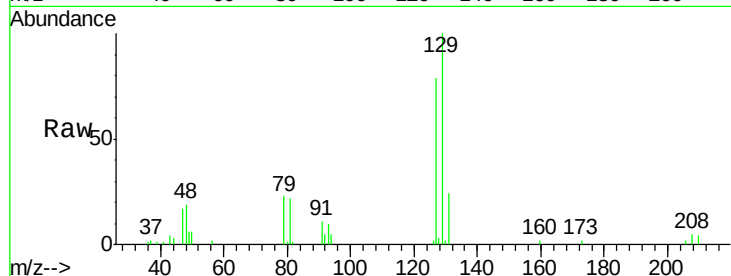
VSTDCCC020EC

Tgt Ion:129 Resp: 24080

Ion Ratio Lower Upper

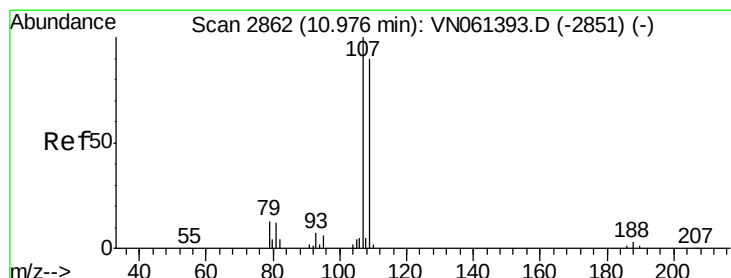
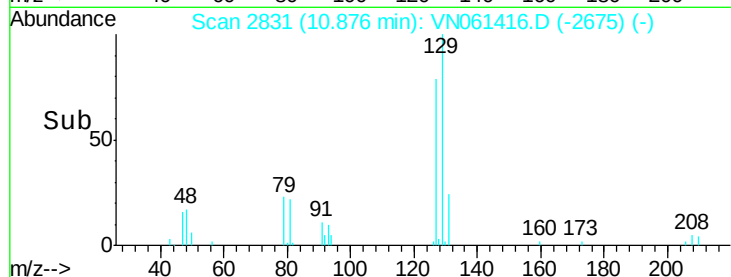
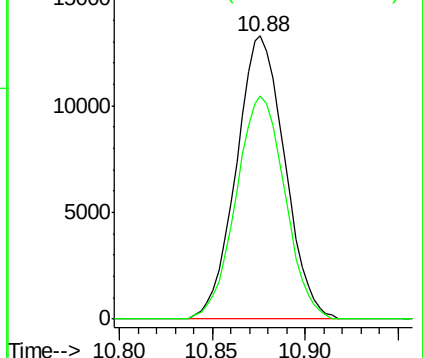
129 100

127 79.2 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: 18.46 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061416.D

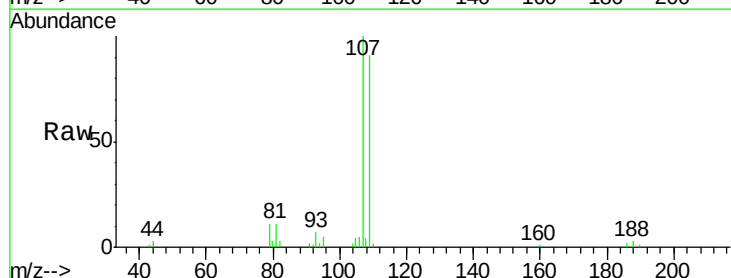
Acq: 15 May 2020 18:22

Tgt Ion:107 Resp: 23498

Ion Ratio Lower Upper

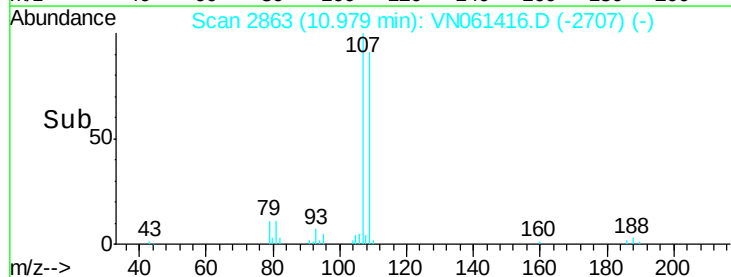
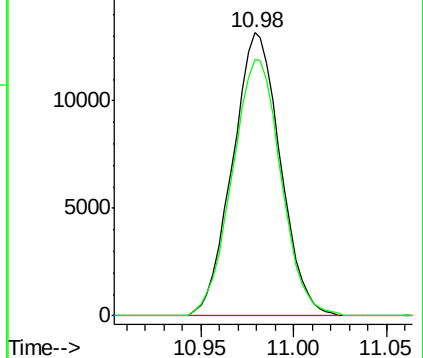
107 100

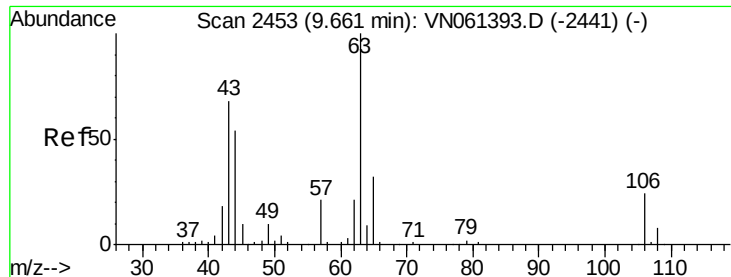
109 92.7 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

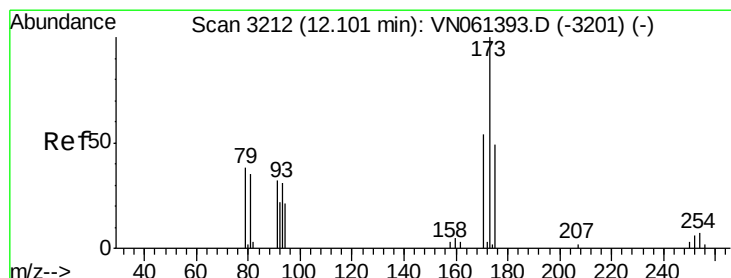
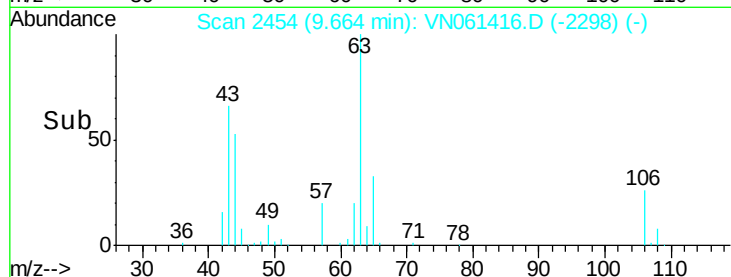
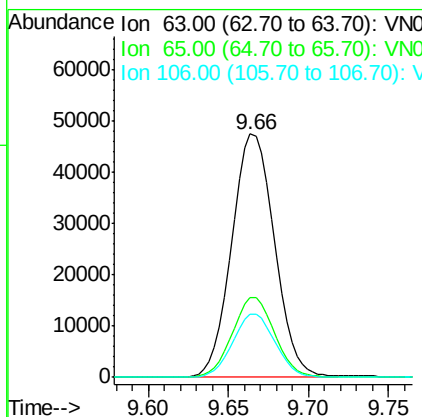
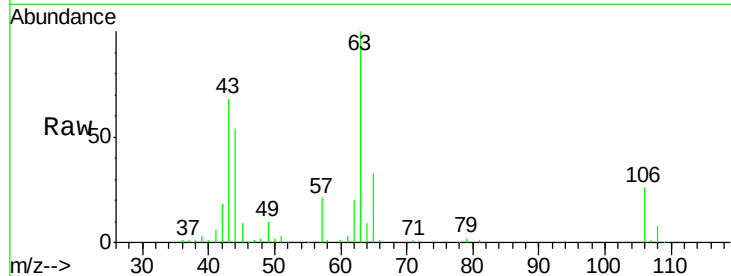




#55
2-Chloroethyl vinyl ether
Concen: 92.22 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

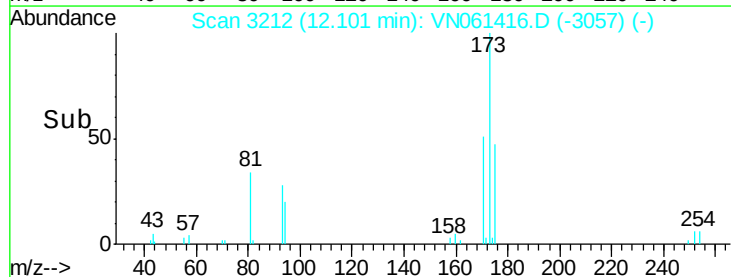
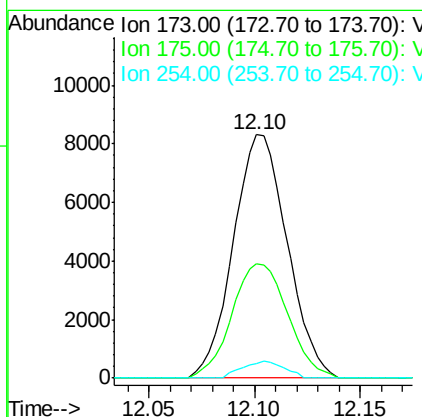
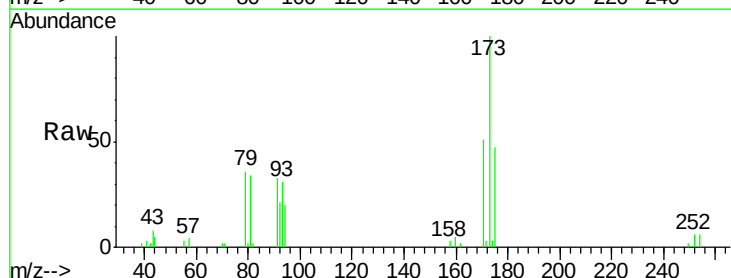
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

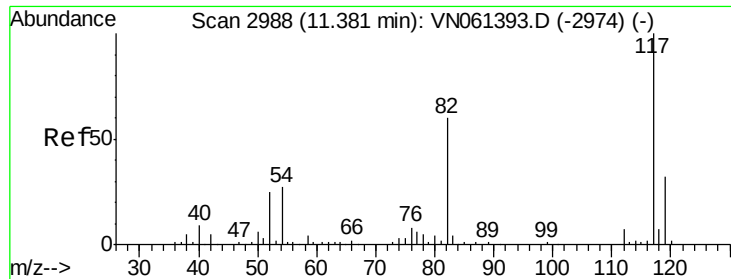
Tgt Ion: 63 Resp: 86761
Ion Ratio Lower Upper
63 100
65 32.4 25.3 37.9
106 25.8 19.8 29.6



#56
Bromoform
Concen: 17.37 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

Tgt Ion: 173 Resp: 14766
Ion Ratio Lower Upper
173 100
175 48.7 38.7 58.1
254 5.5 7.4 11.2#

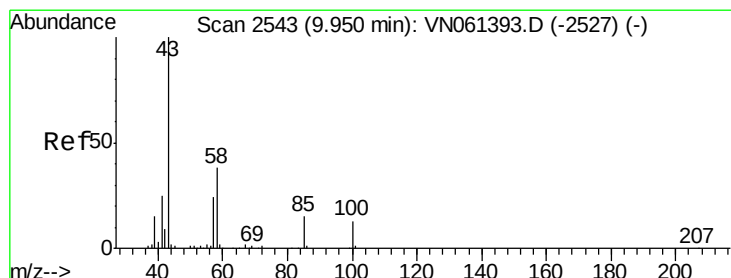
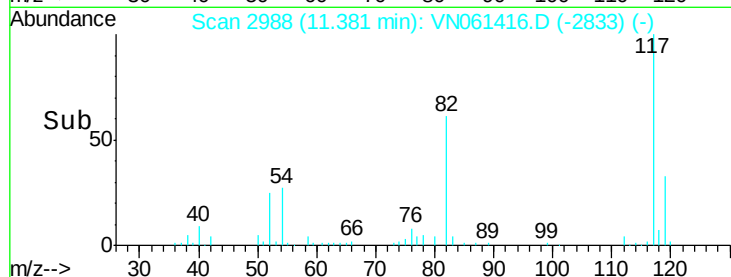
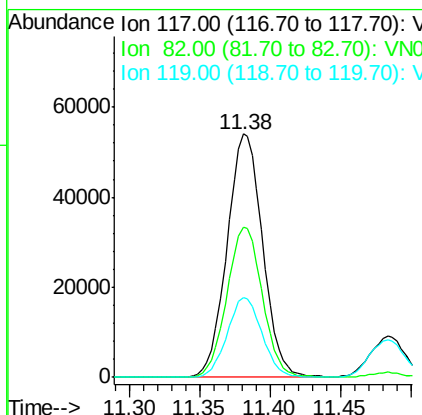
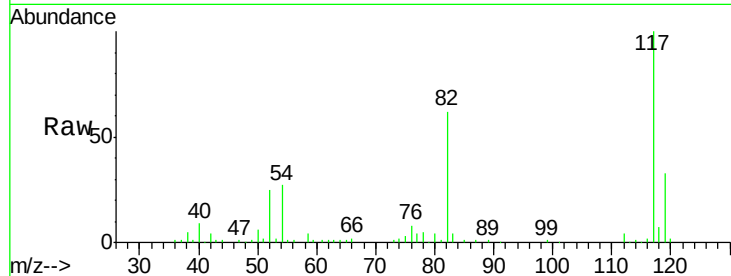




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

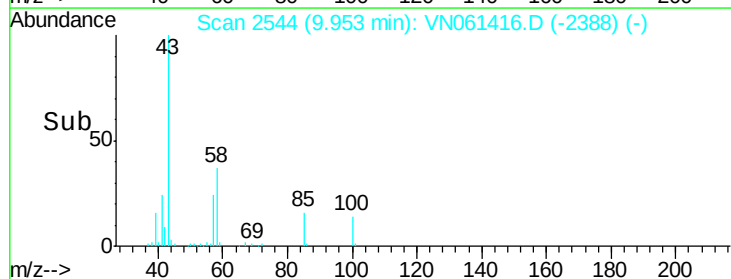
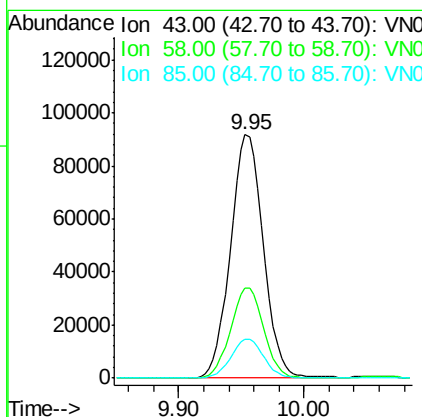
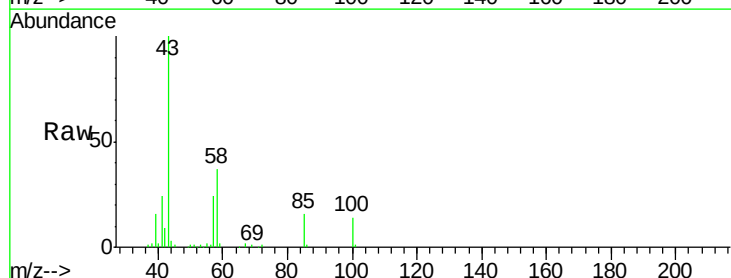
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

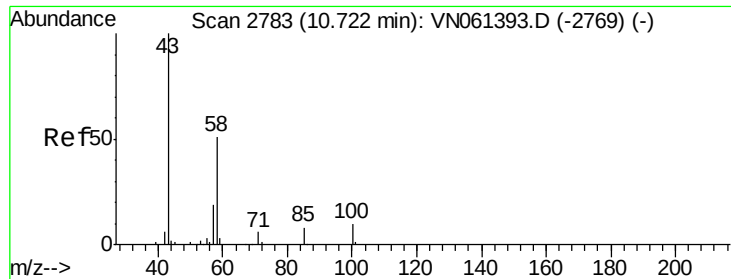
Tgt Ion: 117 Resp: 95250
Ion Ratio Lower Upper
117 100
82 61.5 46.9 70.3
119 32.1 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 96.35 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

Tgt Ion: 43 Resp: 167239
Ion Ratio Lower Upper
43 100
58 37.3 30.1 45.1
85 15.8 13.2 19.8

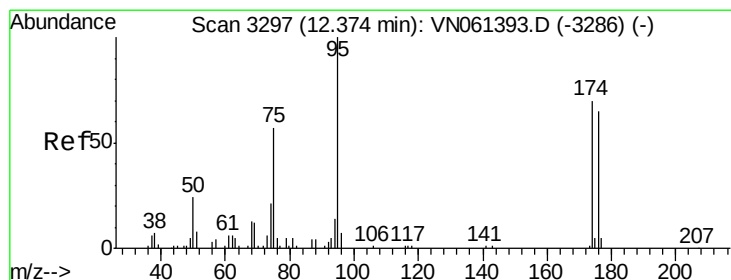
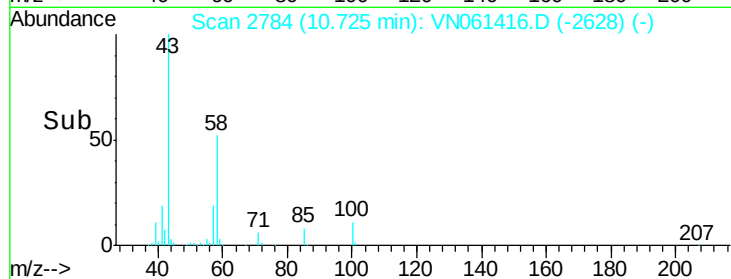
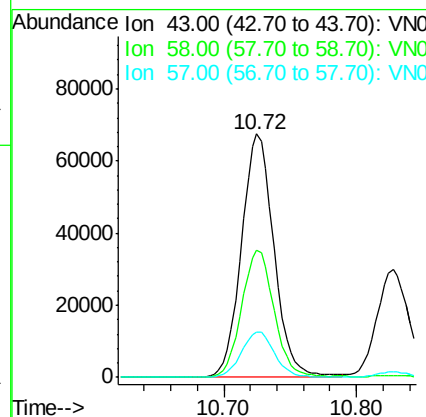
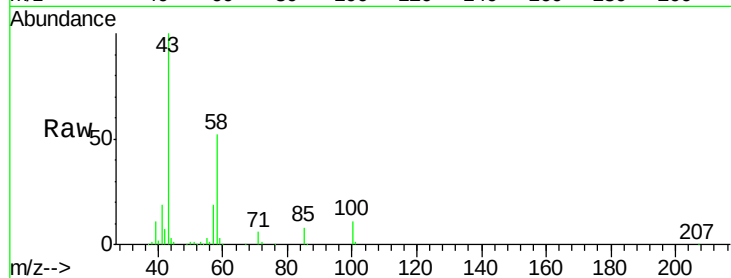




#59
2-Hexanone
Concen: 93.76 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

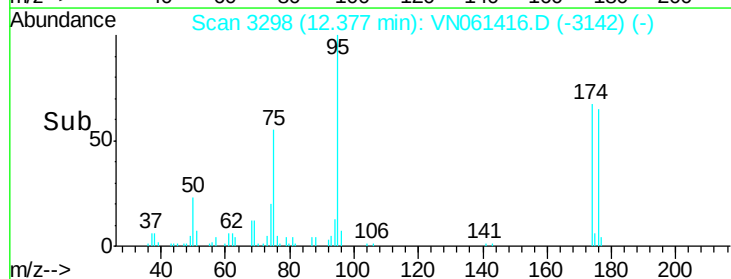
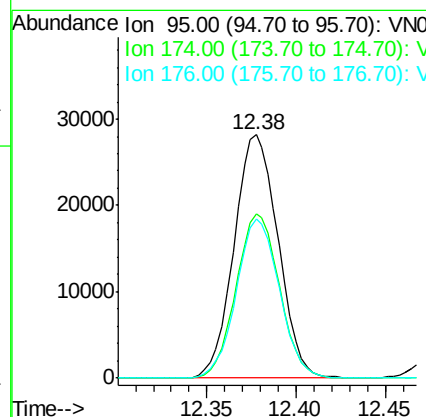
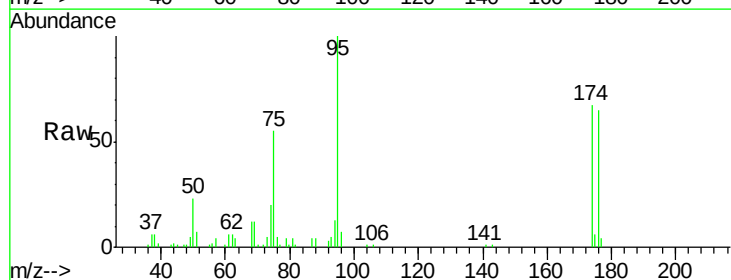
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

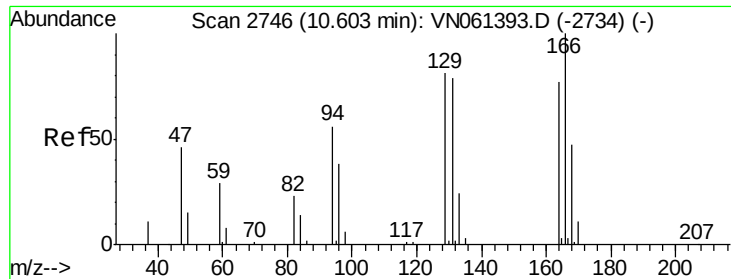
Tgt Ion: 43 Resp: 115106
Ion Ratio Lower Upper
43 100
58 51.8 41.4 62.0
57 18.9 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.72 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

Tgt Ion: 95 Resp: 48331
Ion Ratio Lower Upper
95 100
174 66.3 59.9 89.9
176 63.9 58.3 87.5





#61

Tetrachloroethene

Concen: 19.12 ug/l

RT: 10.61 min Scan# 2747

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:164 Resp: 22774

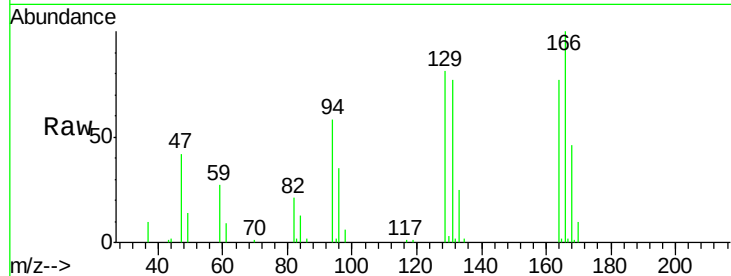
Ion Ratio Lower Upper

164 100

166 129.0 101.4 152.2

129 104.4 78.1 117.1

131 99.3 73.2 109.8

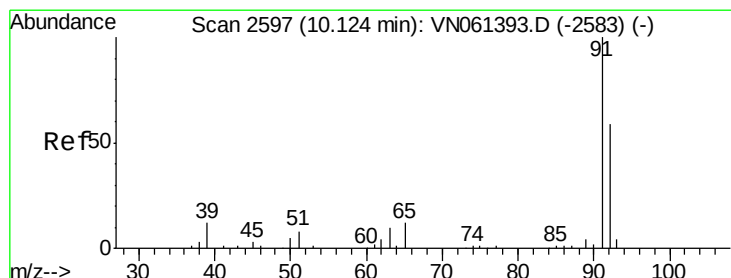
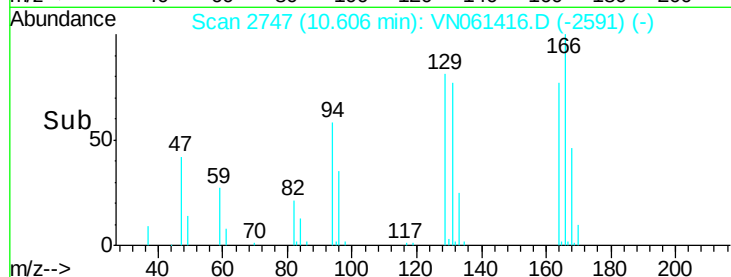
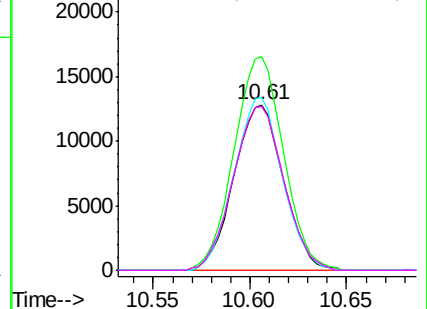


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.27 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061416.D

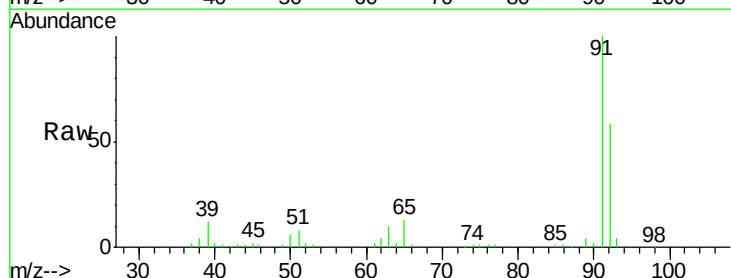
Acq: 15 May 2020 18:22

Tgt Ion: 91 Resp: 106407

Ion Ratio Lower Upper

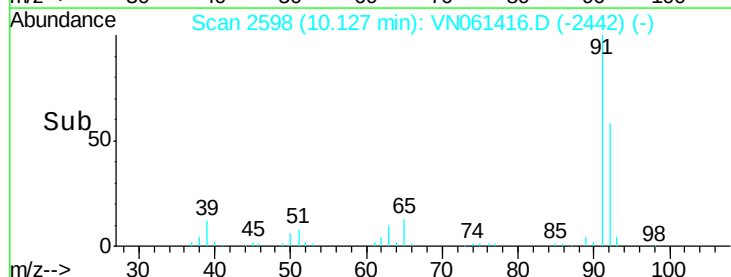
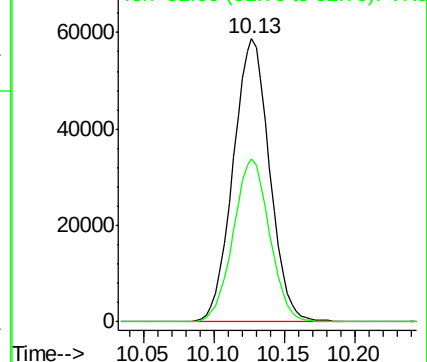
91 100

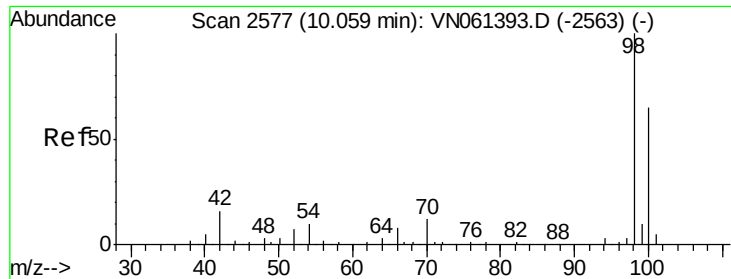
92 57.2 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.17 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

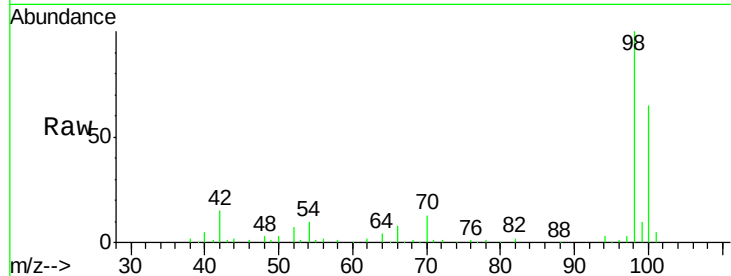
VSTDCCC020EC

Tgt Ion: 98 Resp: 133075

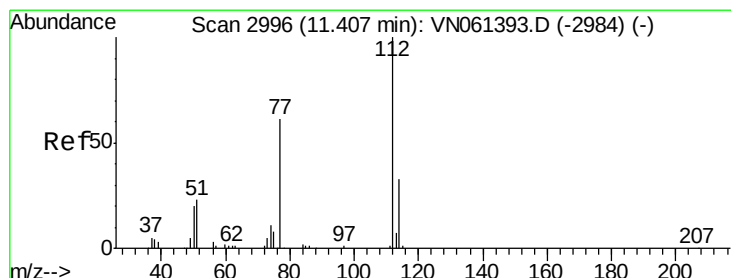
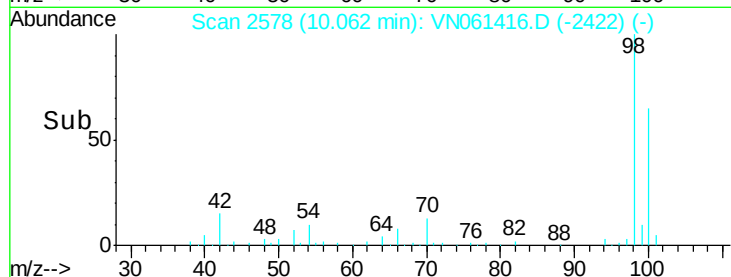
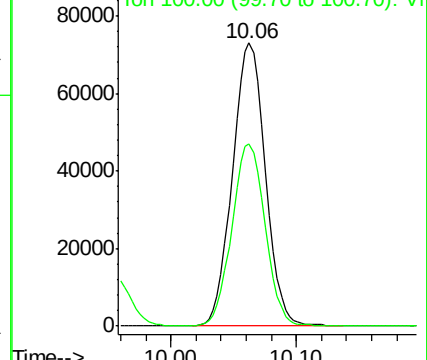
Ion Ratio Lower Upper

98 100

100 65.0 50.6 75.8



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



#64

Chlorobenzene

Concen: 19.24 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061416.D

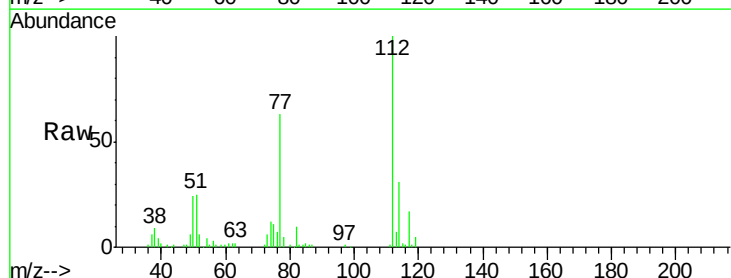
Acq: 15 May 2020 18:22

Tgt Ion: 112 Resp: 62879

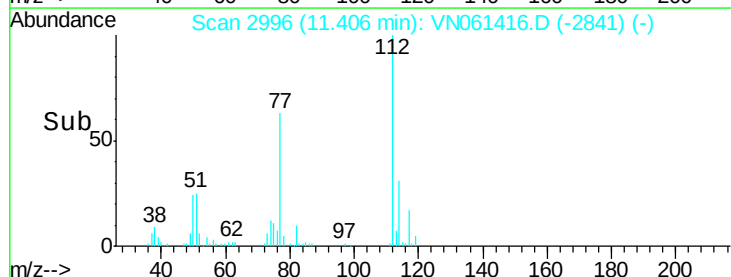
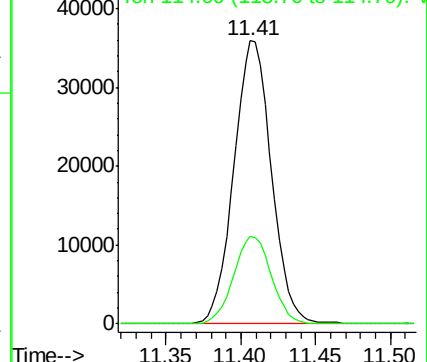
Ion Ratio Lower Upper

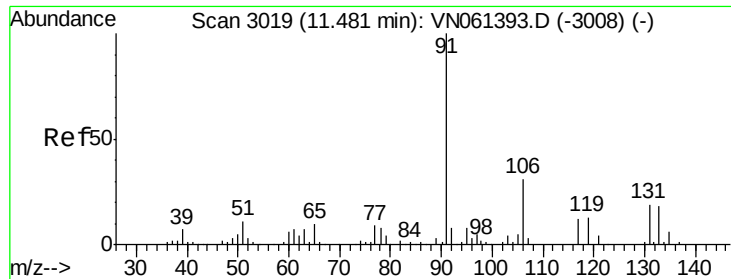
112 100

114 31.0 25.7 38.5



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

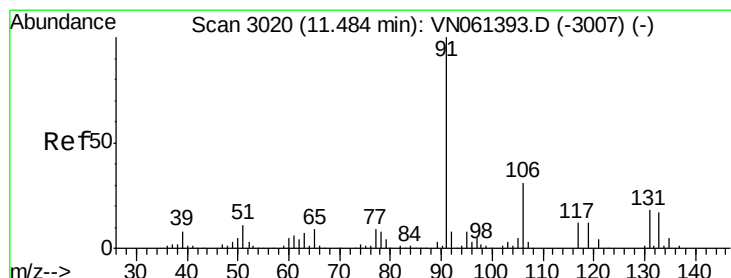
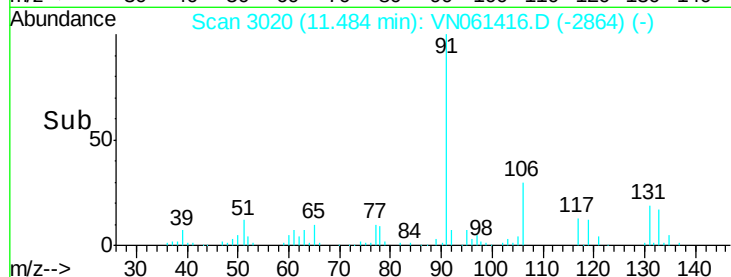
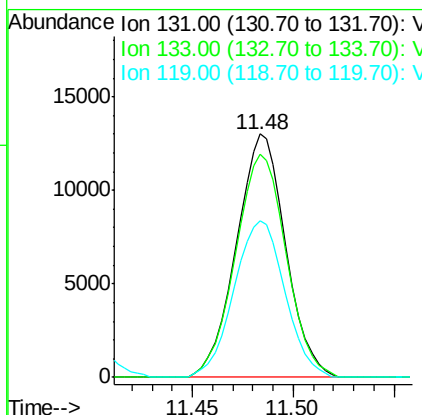
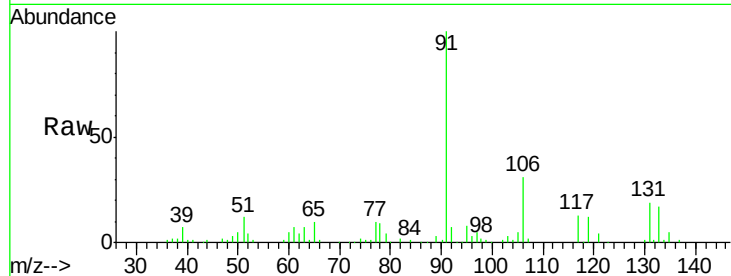




#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.62 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

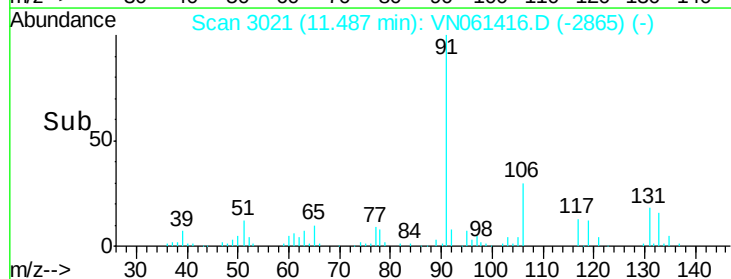
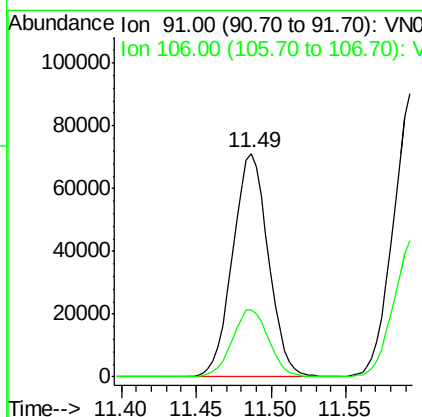
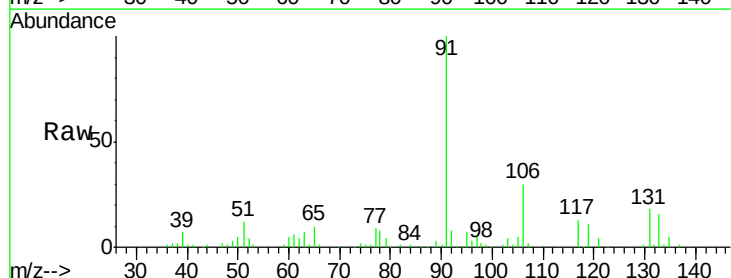
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

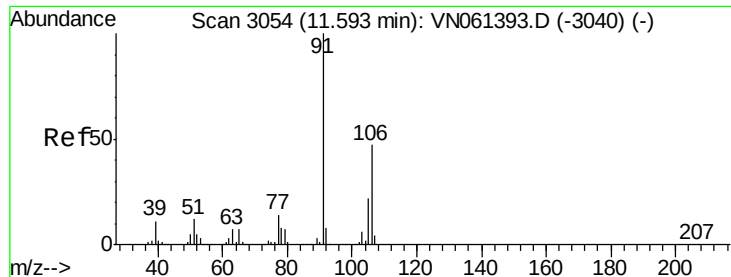
Tgt Ion: 131 Resp: 22237
 Ion Ratio Lower Upper
 131 100
 133 94.5 0.0 194.0
 119 66.5 0.0 136.8



#66
 Ethyl Benzene
 Concen: 18.71 ug/l
 RT: 11.49 min Scan# 3021
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

Tgt Ion: 91 Resp: 118616
 Ion Ratio Lower Upper
 91 100
 106 30.2 24.2 36.4

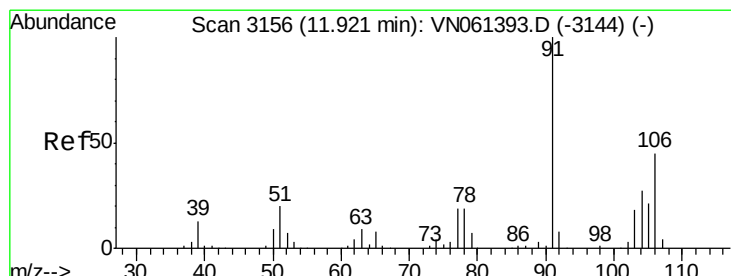
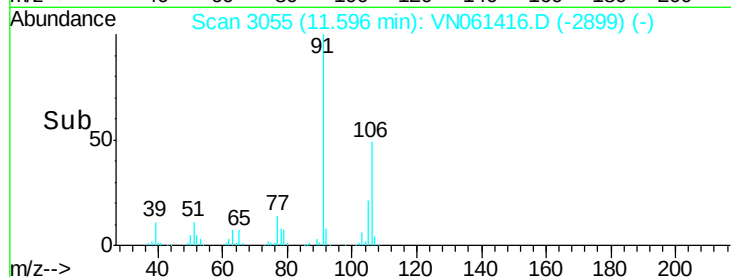
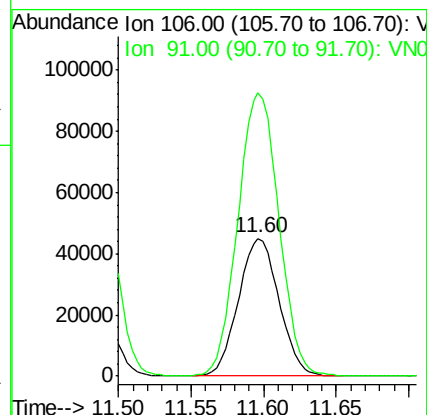
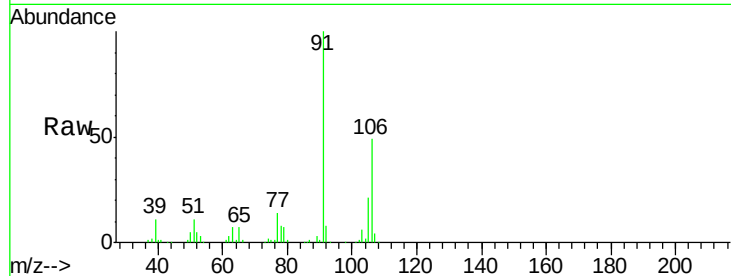




#67
m/p-Xylenes
Concen: 37.50 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

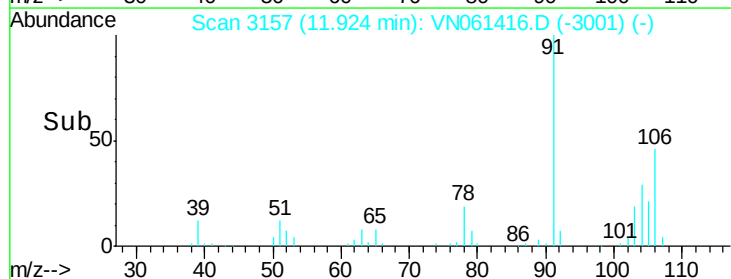
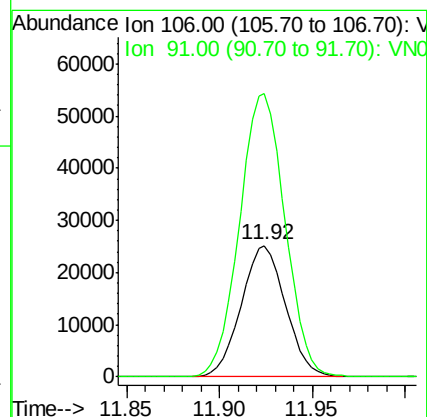
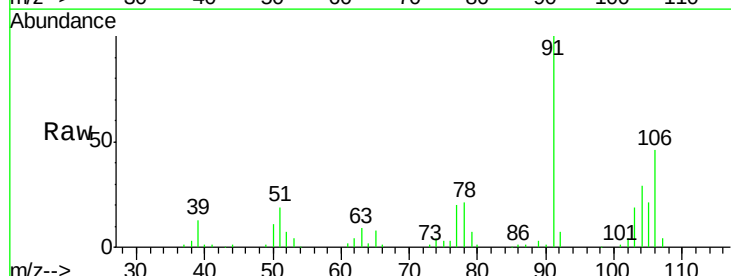
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

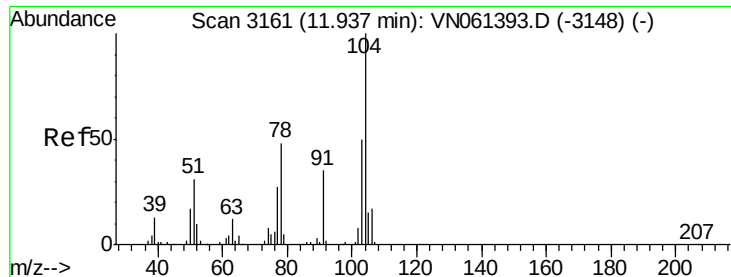
Tgt Ion:106 Resp: 87775
Ion Ratio Lower Upper
106 100
91 207.7 165.6 248.4



#68
o-Xylene
Concen: 18.72 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

Tgt Ion:106 Resp: 41809
Ion Ratio Lower Upper
106 100
91 220.6 109.8 329.4





#69

Styrene

Concen: 18.35 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

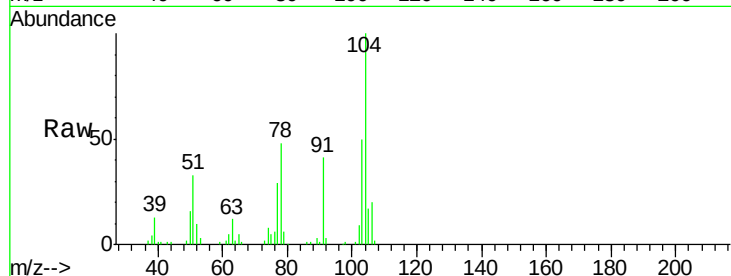
Tgt Ion:104 Resp: 70549

Ion Ratio Lower Upper

104 100

78 53.8 42.4 63.6

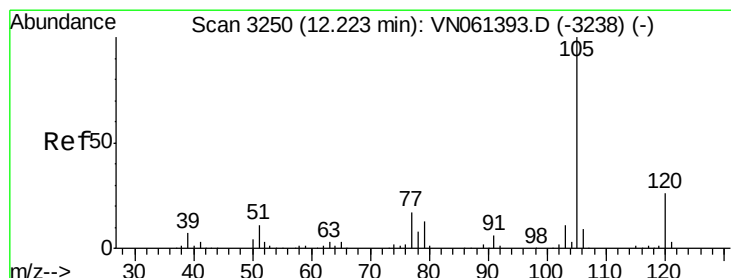
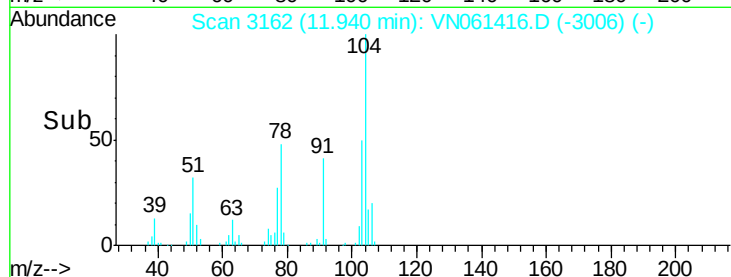
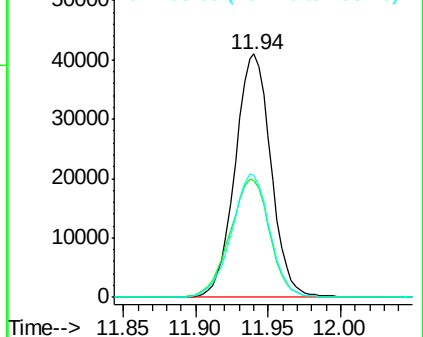
103 53.7 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 18.60 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061416.D

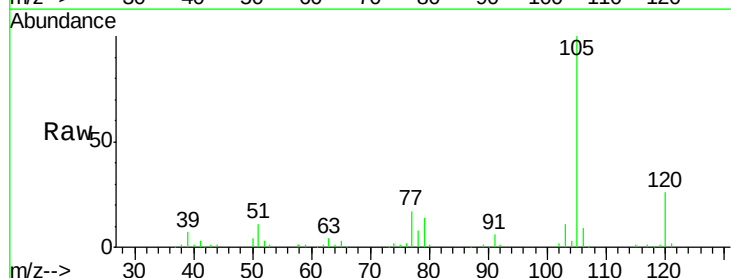
Acq: 15 May 2020 18:22

Tgt Ion:105 Resp: 112552

Ion Ratio Lower Upper

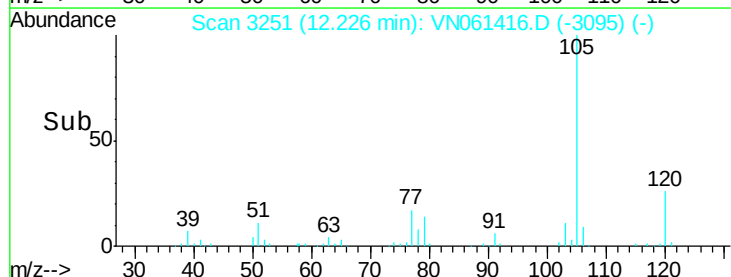
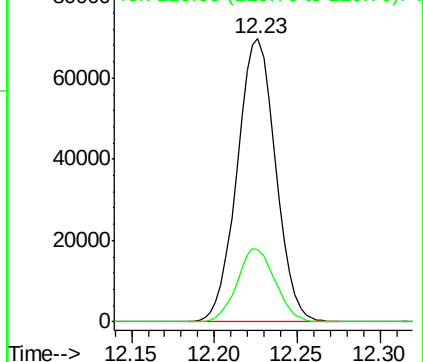
105 100

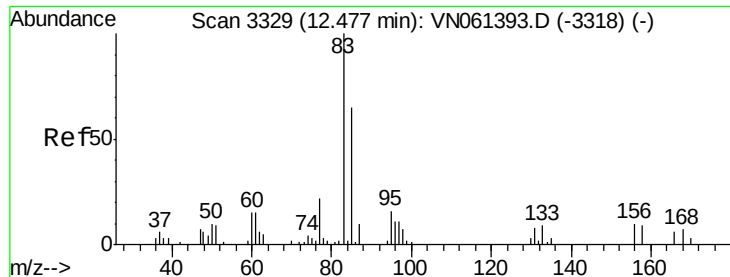
120 25.6 18.4 34.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 19.29 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

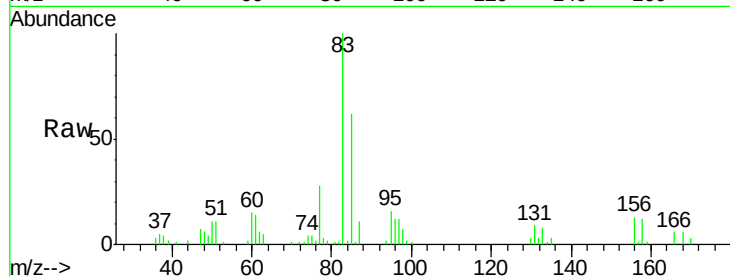
Tgt Ion: 83 Resp: 32257

Ion Ratio Lower Upper

83 100

131 9.2 4.9 14.7

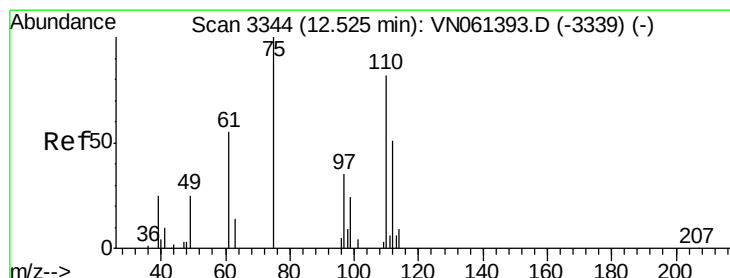
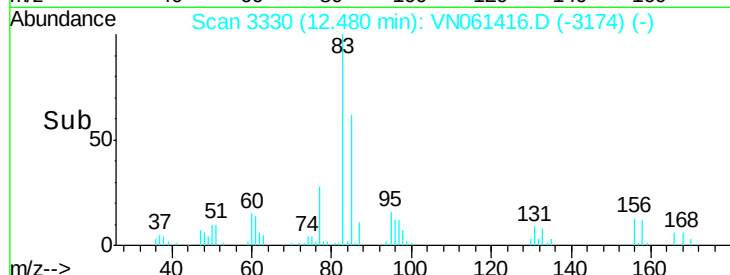
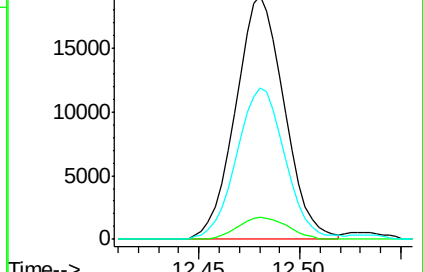
85 62.3 31.6 94.7



Abundance Ion 83.00 (82.70 to 83.70): VN061416.D (-3174) (-)

Ion 131.00 (130.70 to 131.70): VN061416.D (-3174) (-)

Ion 85.00 (84.70 to 85.70): VN061416.D (-3174) (-)



#72

1,2,3-Trichloropropane

Concen: 19.43 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061416.D

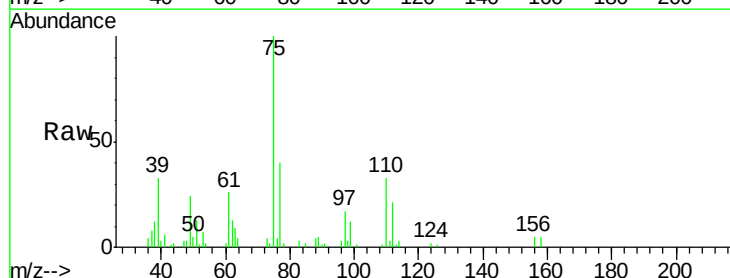
Acq: 15 May 2020 18:22

Tgt Ion: 75 Resp: 30993

Ion Ratio Lower Upper

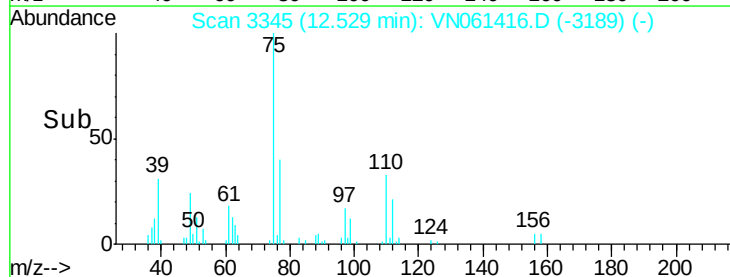
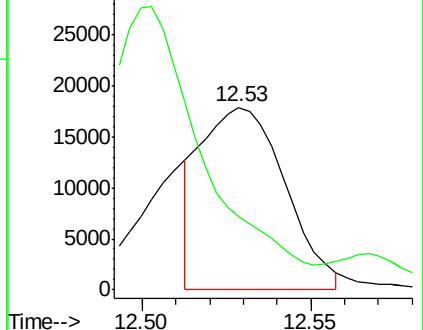
75 100

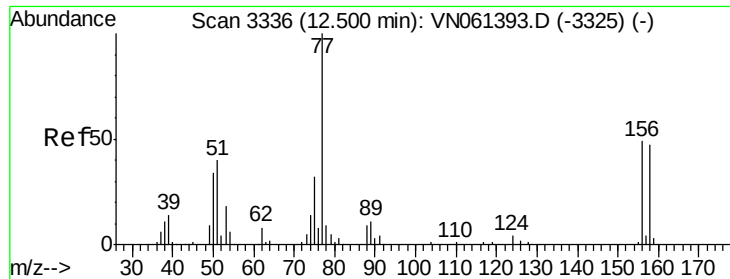
77 186.7 0.0 359.4



Abundance Ion 75.00 (74.70 to 75.70): VN061416.D (-3189) (-)

Ion 77.00 (76.70 to 77.70): VN061416.D (-3189) (-)





#73

Bromobenzene

Concen: 18.86 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

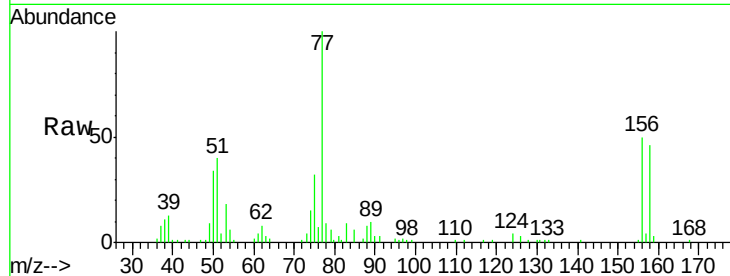
Tgt Ion:156 Resp: 23714

Ion Ratio Lower Upper

156 100

77 244.1 0.0 456.0

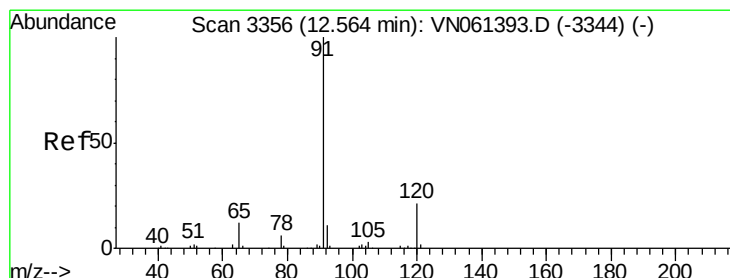
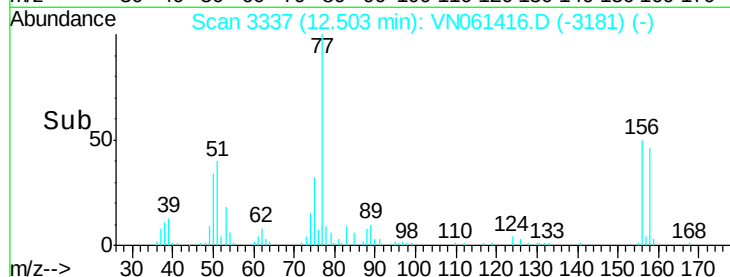
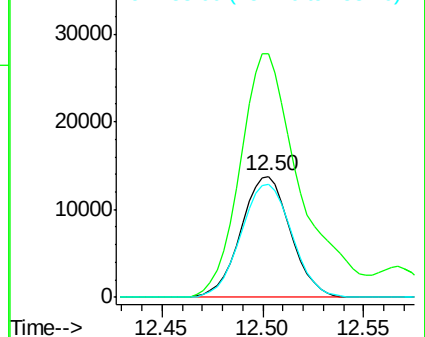
158 96.4 0.0 195.4



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: 18.44 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061416.D

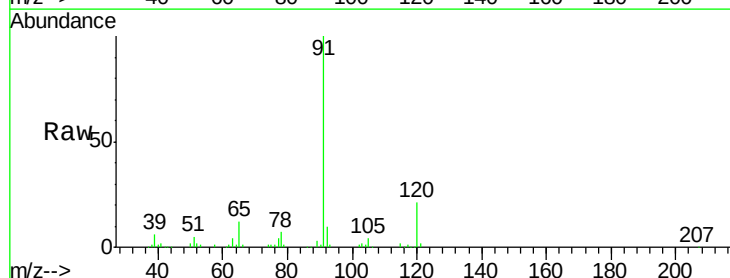
Acq: 15 May 2020 18:22

Tgt Ion: 91 Resp: 132719

Ion Ratio Lower Upper

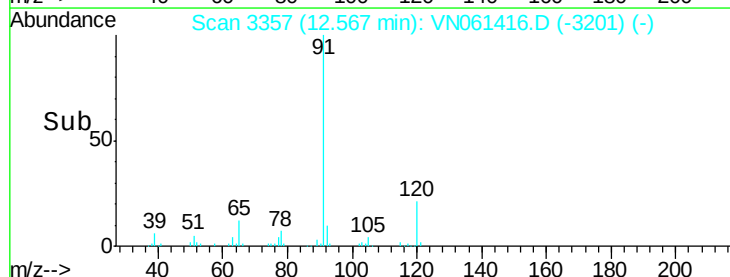
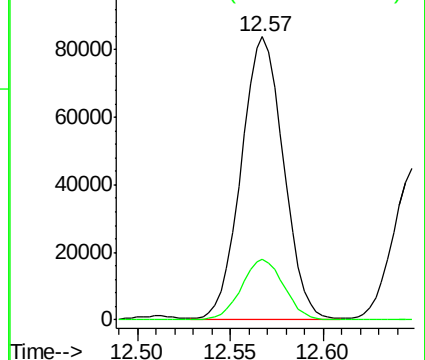
91 100

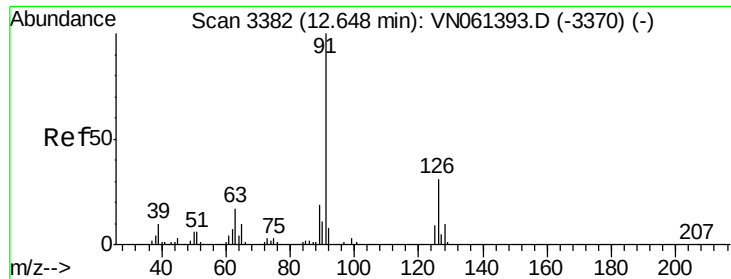
120 21.4 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.76 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

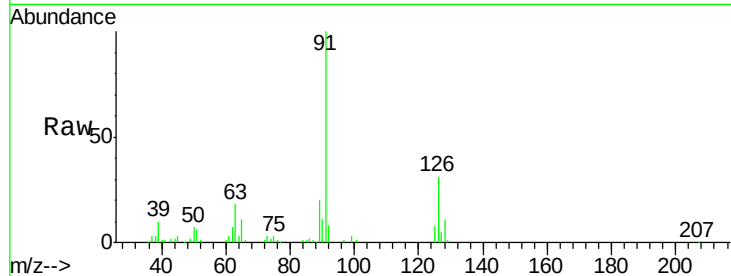
VSTDCCC020EC

Tgt Ion: 91 Resp: 77435

Ion Ratio Lower Upper

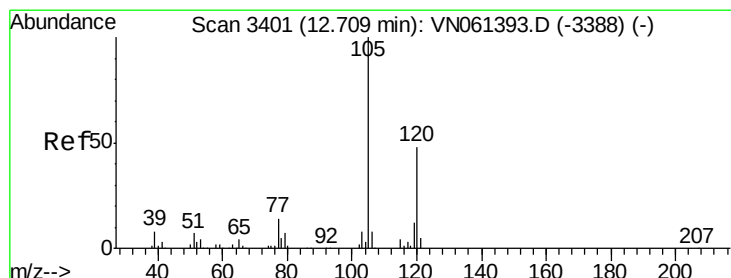
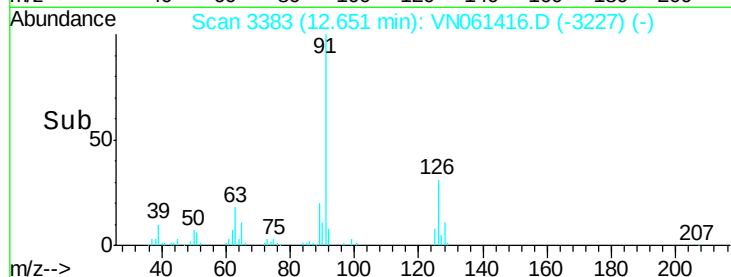
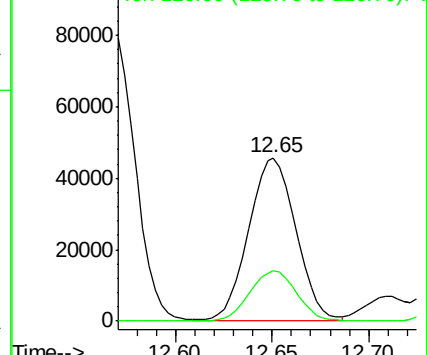
91 100

126 30.6 0.0 65.4



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

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



#76

1,3,5-Trimethylbenzene

Concen: 18.33 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061416.D

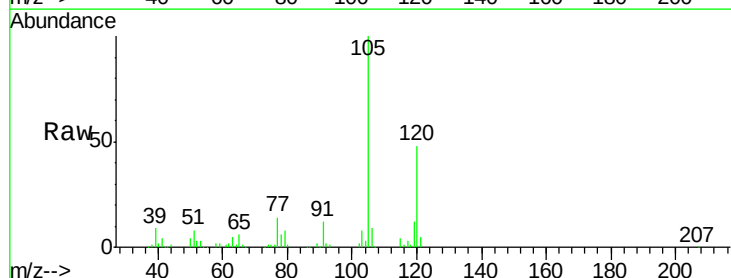
Acq: 15 May 2020 18:22

Tgt Ion: 105 Resp: 93080

Ion Ratio Lower Upper

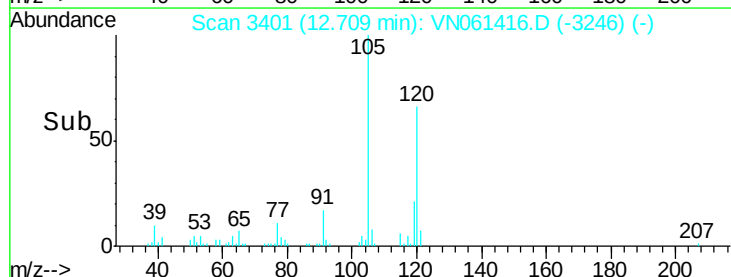
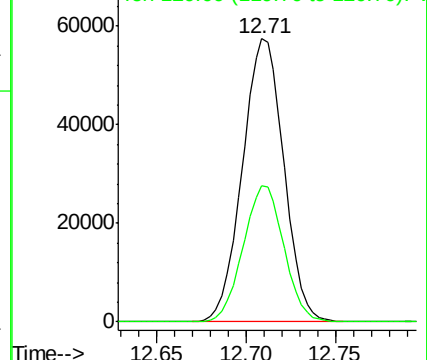
105 100

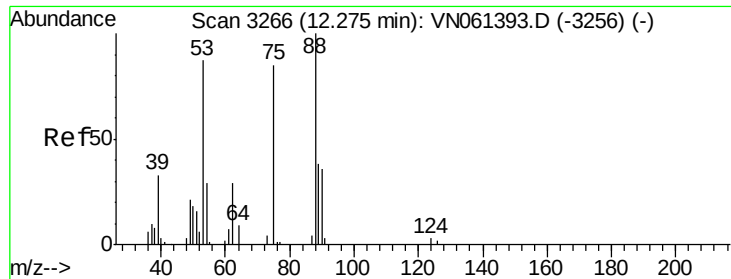
120 47.3 0.0 94.0



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

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





#77

t-1,4-Dichloro-2-butene

Concen: 17.20 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

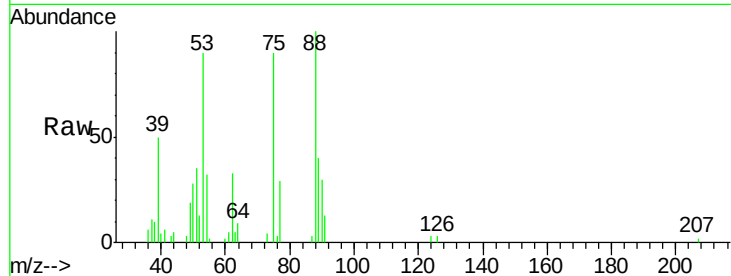
Tgt Ion: 75 Resp: 11418

Ion Ratio Lower Upper

75 100

53 97.6 50.0 150.0

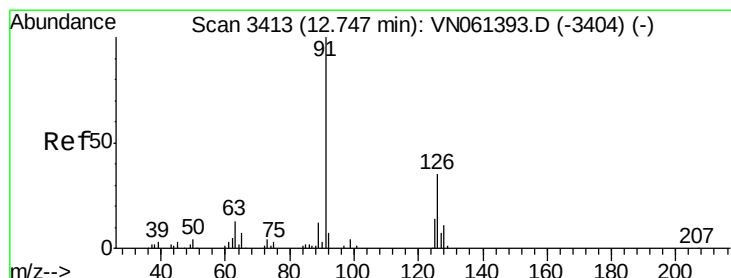
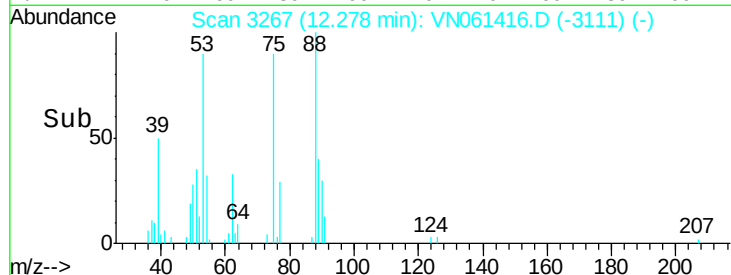
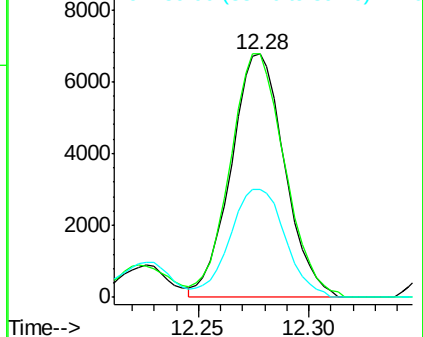
89 44.4 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.28 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061416.D

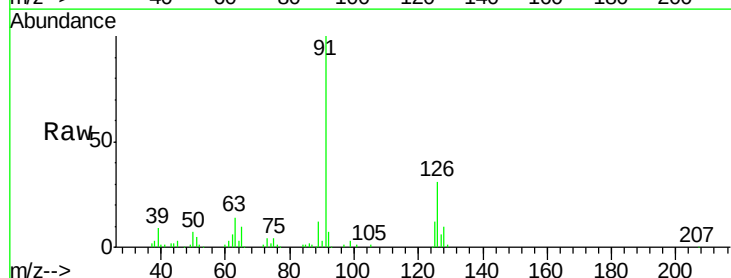
Acq: 15 May 2020 18:22

Tgt Ion: 91 Resp: 78984

Ion Ratio Lower Upper

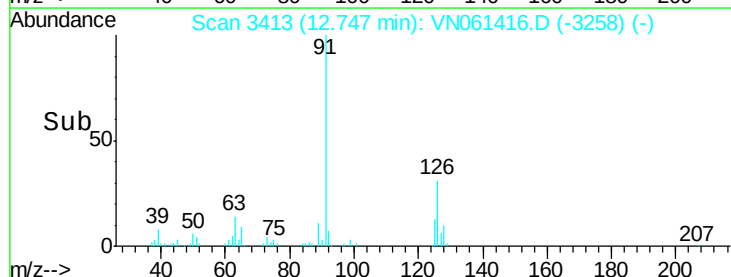
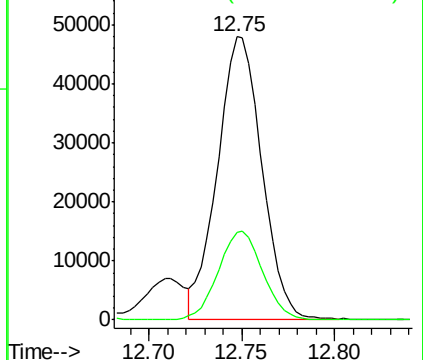
91 100

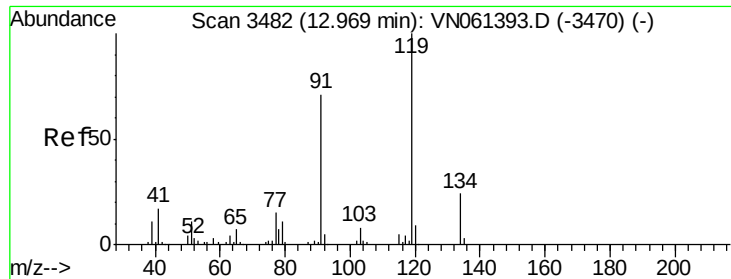
126 31.6 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

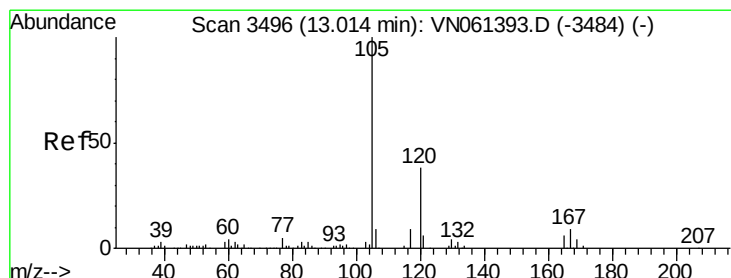
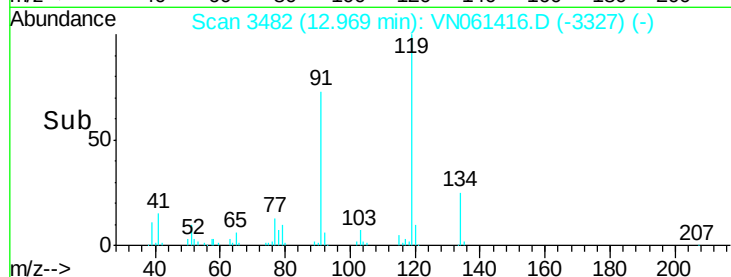
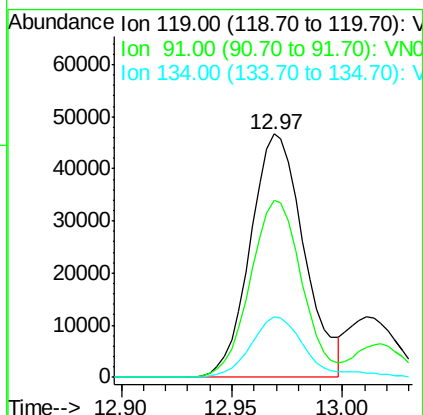
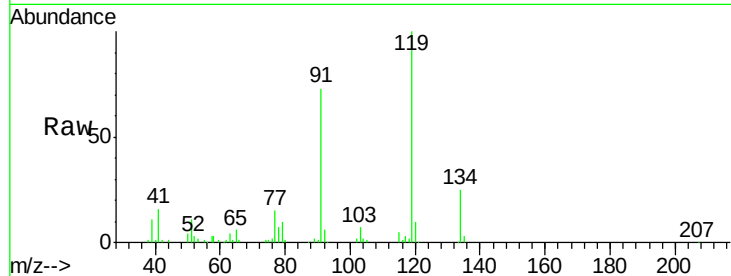




#79
tert-butylbenzene
Concen: 18.66 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

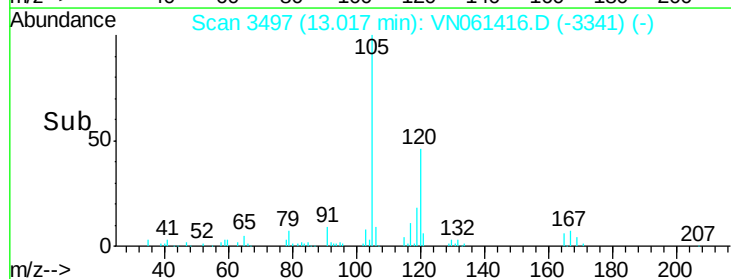
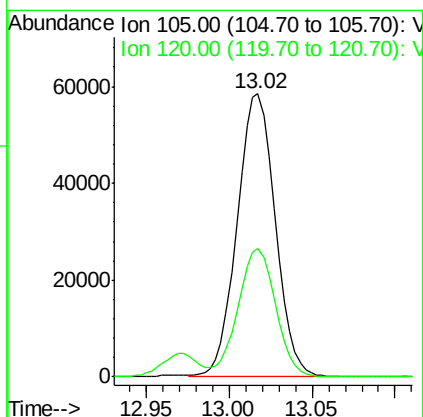
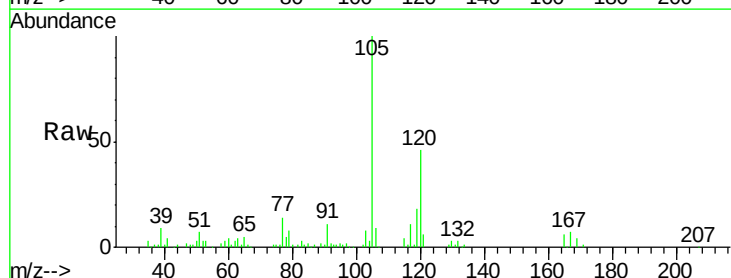
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

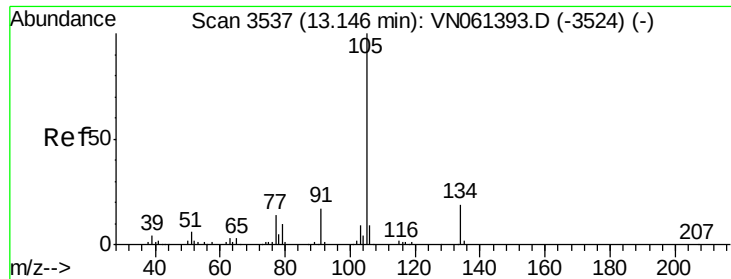
Tgt Ion:119 Resp: 78743
Ion Ratio Lower Upper
119 100
91 70.0 0.0 136.4
134 23.9 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 18.38 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN061416.D
Acq: 15 May 2020 18:22

Tgt Ion:105 Resp: 93190
Ion Ratio Lower Upper
105 100
120 44.9 0.0 89.2

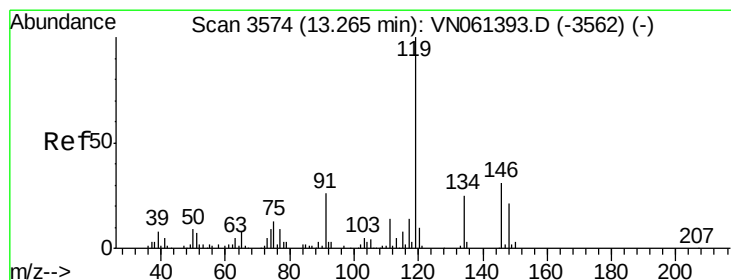
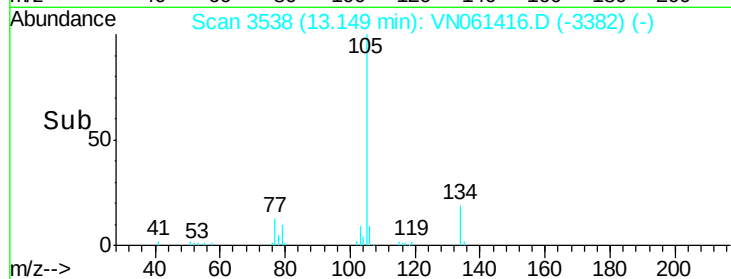
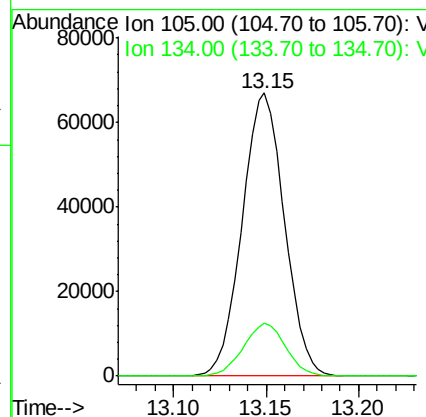
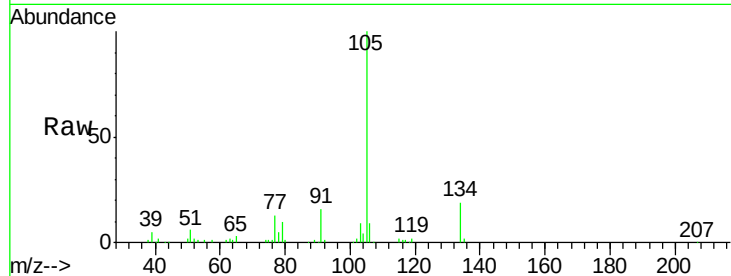




#81
 sec-Butylbenzene
 Concen: 18.22 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

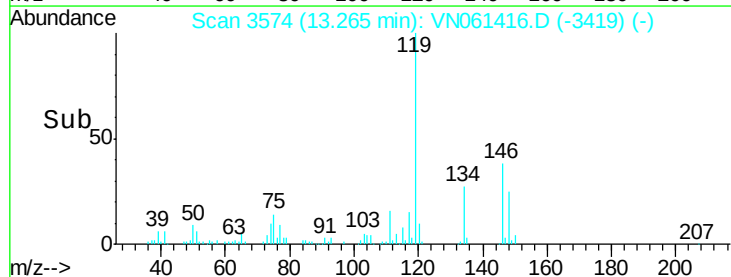
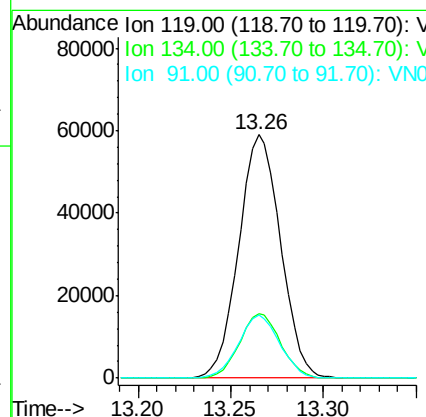
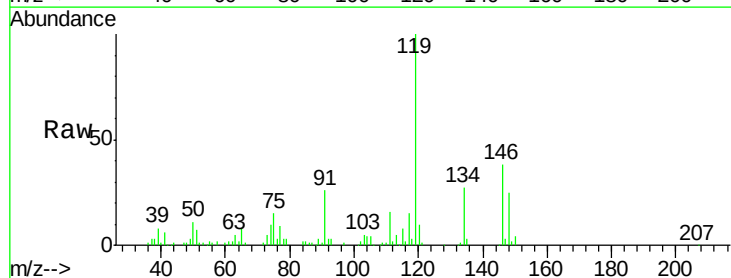
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

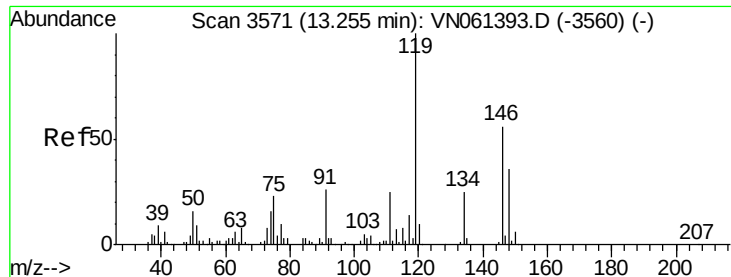
Tgt Ion:105 Resp: 105909
 Ion Ratio Lower Upper
 105 100
 134 18.6 0.0 38.0



#82
 p-Isopropyltoluene
 Concen: 17.64 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

Tgt Ion:119 Resp: 92317
 Ion Ratio Lower Upper
 119 100
 134 26.1 0.0 50.8
 91 25.7 0.0 49.4

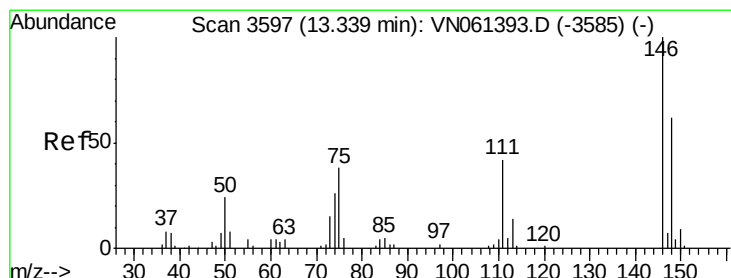
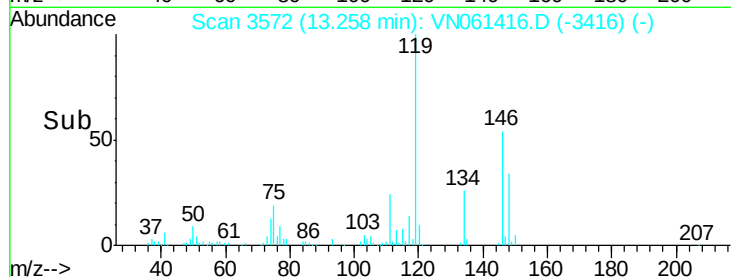
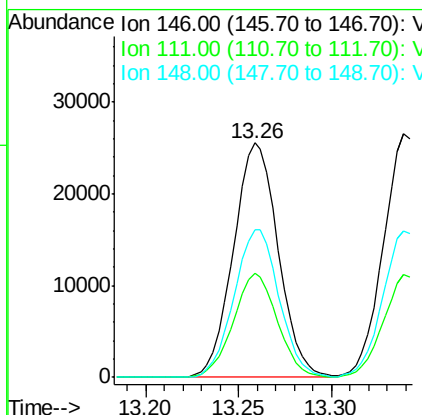
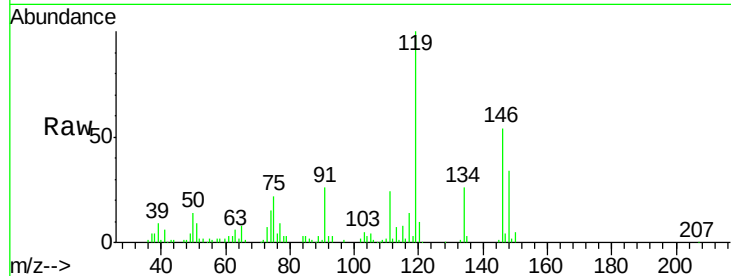




#83
 1,3-Dichlorobenzene
 Concen: 18.32 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

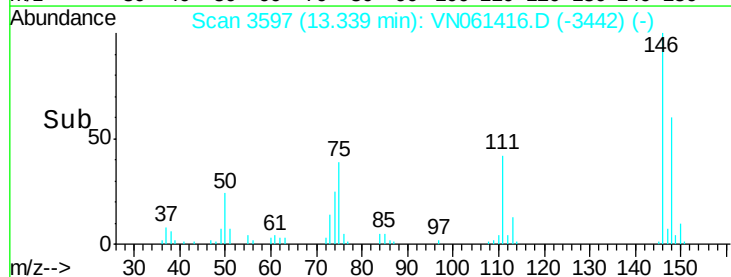
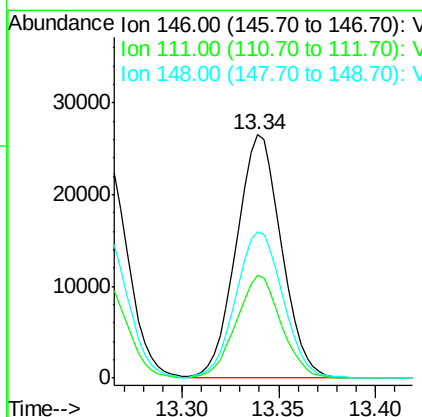
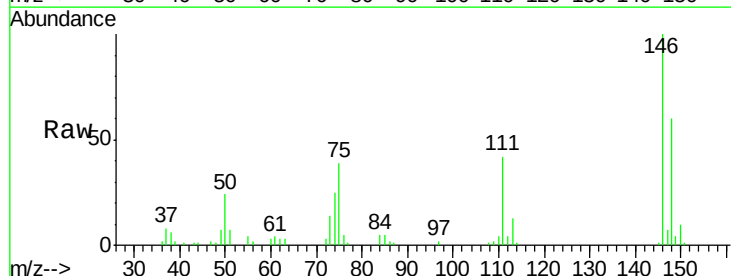
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

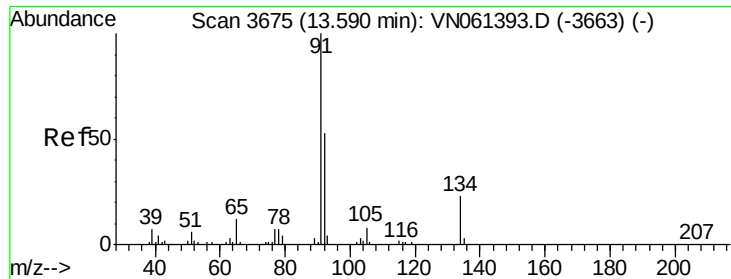
Tgt Ion:146 Resp: 42805
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.0 63.0
 148 63.2 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 18.62 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

Tgt Ion:146 Resp: 43051
 Ion Ratio Lower Upper
 146 100
 111 41.9 19.8 59.4
 148 62.8 31.6 94.8





#85

n-Butylbenzene

Concen: 17.60 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

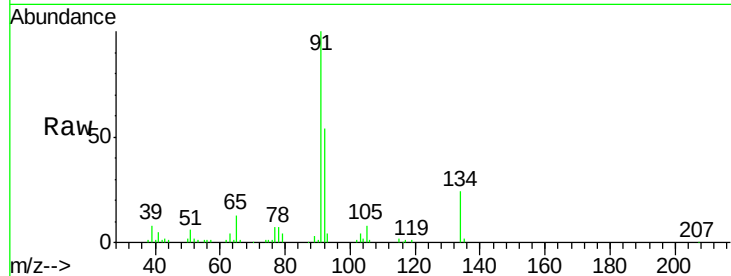
Tgt Ion: 91 Resp: 85275

Ion Ratio Lower Upper

91 100

92 53.1 0.0 102.8

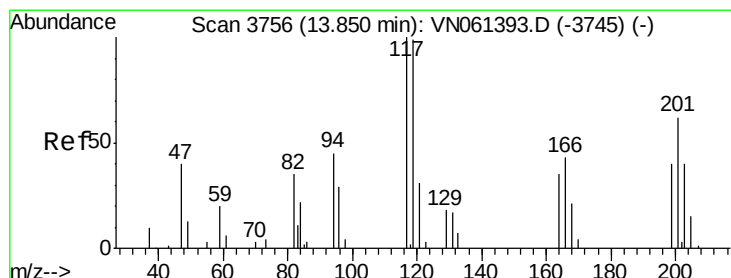
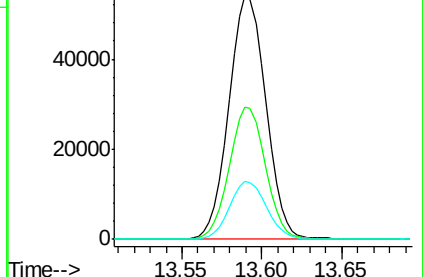
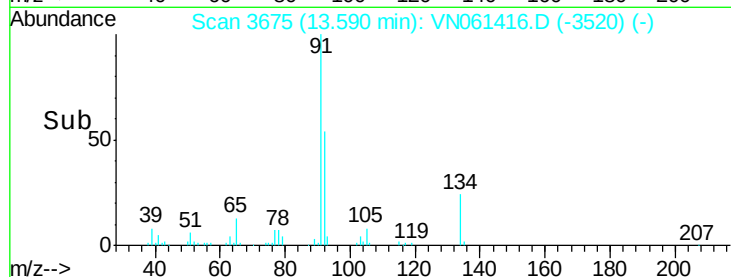
134 23.6 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN061416.D (-3520) (-)

Ion 92.00 (91.70 to 92.70): VN061416.D (-3520) (-)

Ion 134.00 (133.70 to 134.70): VN061416.D (-3520) (-)



#86

Hexachloroethane

Concen: 17.03 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN061416.D

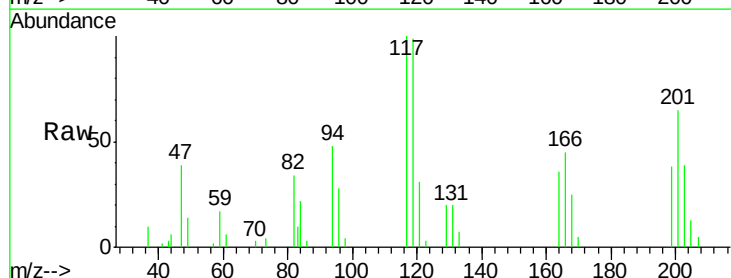
Acq: 15 May 2020 18:22

Tgt Ion: 117 Resp: 12422

Ion Ratio Lower Upper

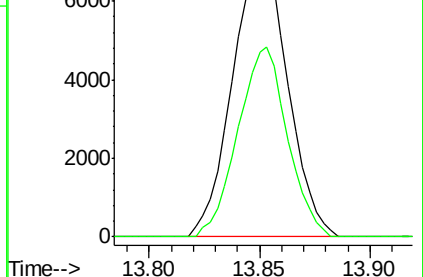
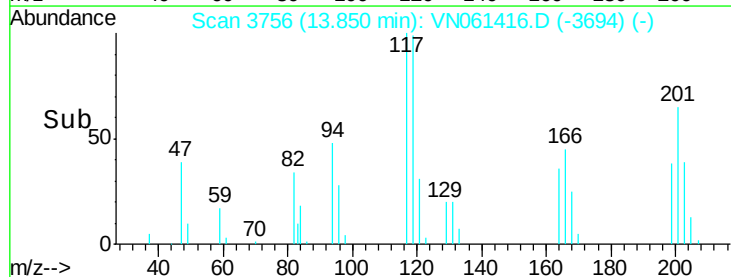
117 100

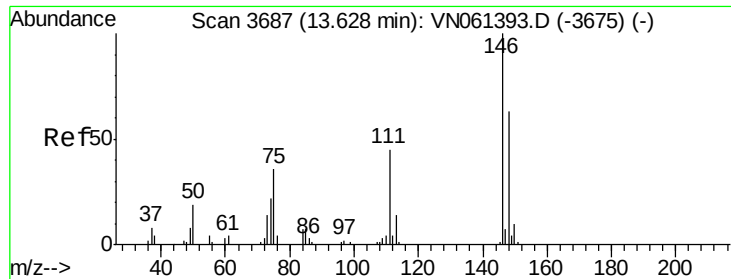
201 60.5 38.7 116.1



Abundance Ion 117.00 (116.70 to 117.70): VN061416.D (-3694) (-)

Ion 201.00 (200.70 to 201.70): VN061416.D (-3694) (-)

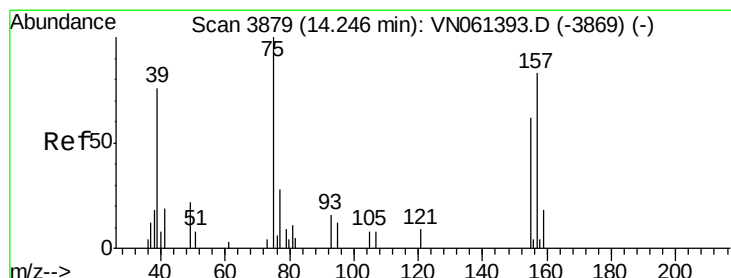
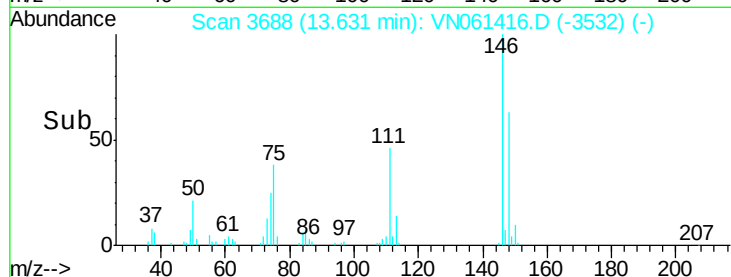
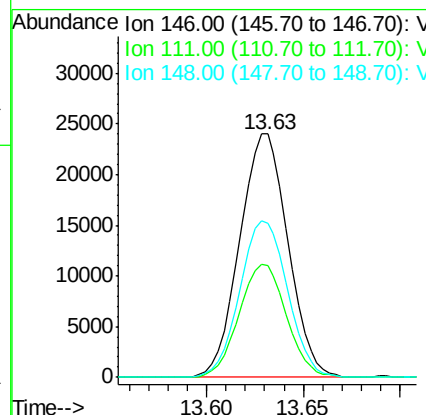
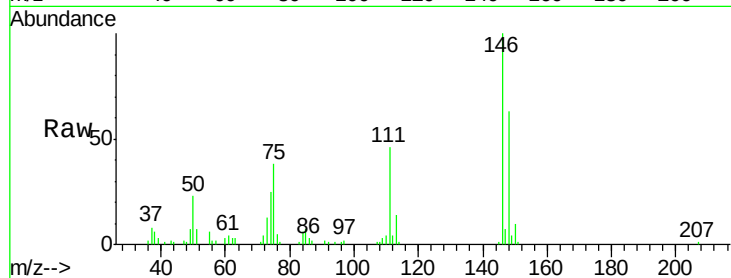




#87
 1,2-Dichlorobenzene
 Concen: 18.81 ug/l
 RT: 13.63 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

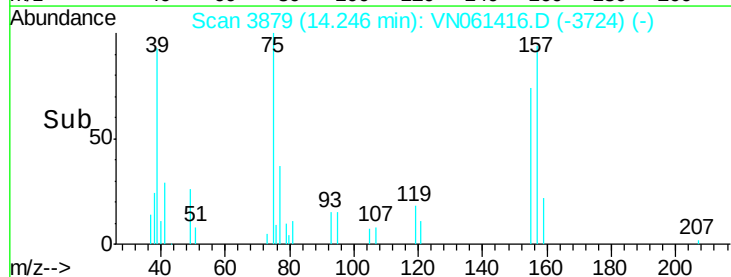
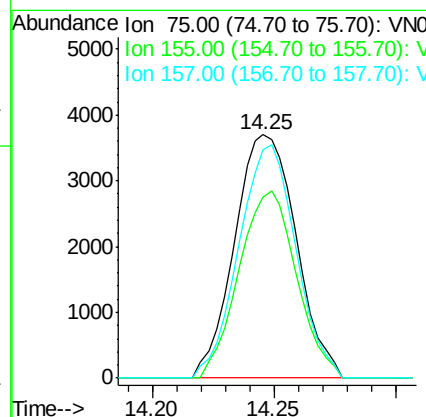
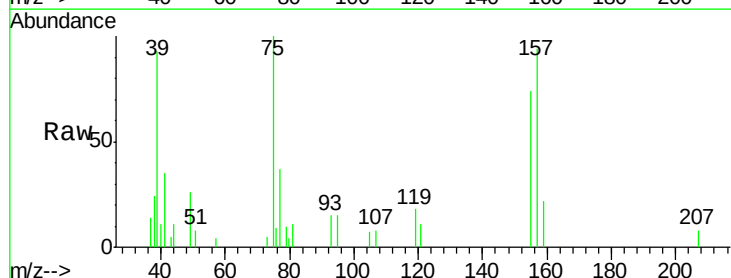
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

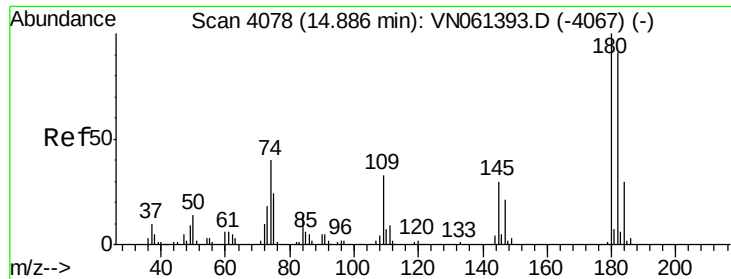
Tgt Ion:146 Resp: 41684
 Ion Ratio Lower Upper
 146 100
 111 45.5 21.8 65.4
 148 63.7 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.18 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

Tgt Ion: 75 Resp: 6479
 Ion Ratio Lower Upper
 75 100
 155 71.8 58.3 87.5
 157 88.8 75.0 112.6

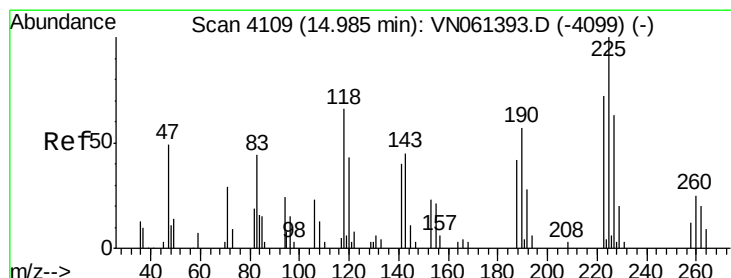
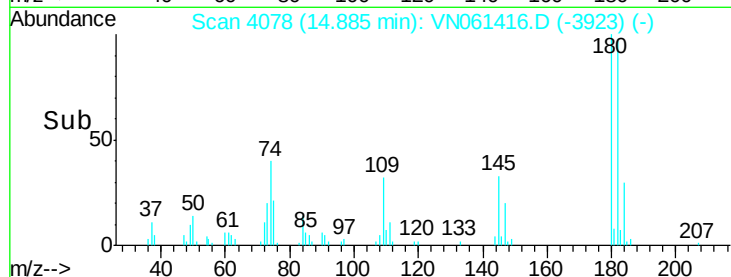
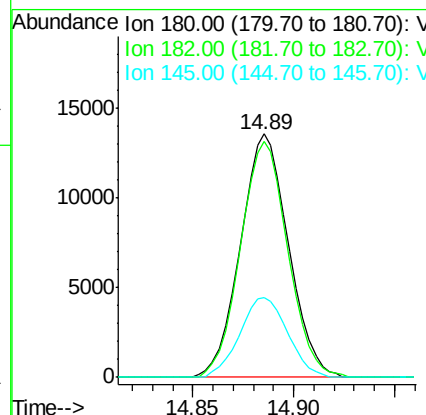
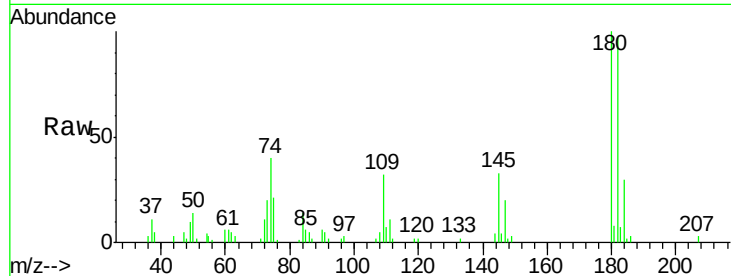




#89
 1,2,4-Trichlorobenzene
 Concen: 17.69 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. -0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

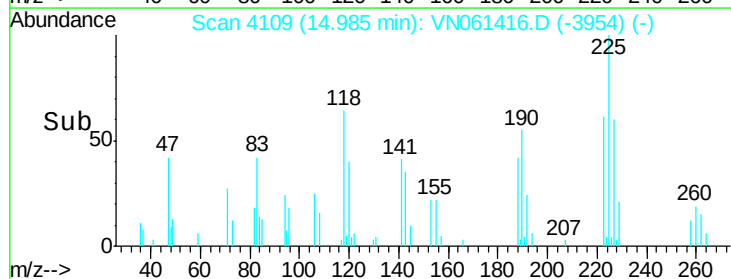
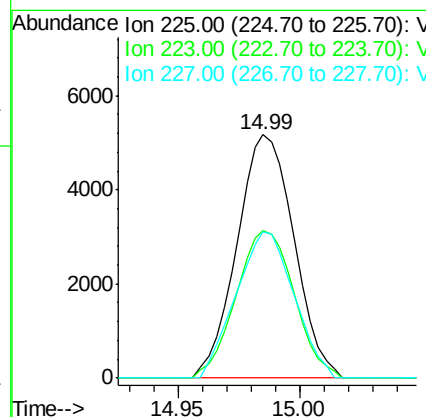
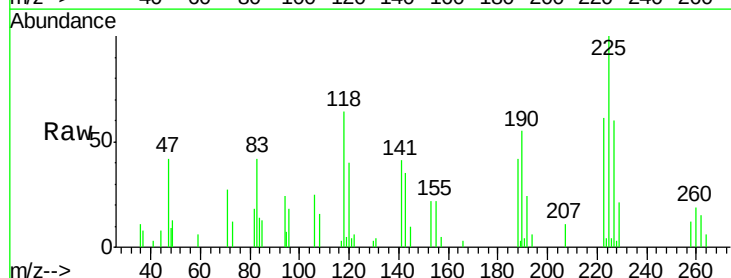
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

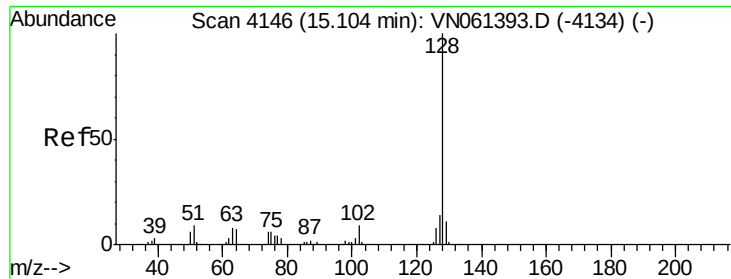
Tgt Ion:180 Resp: 22523
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.3 112.9
 145 32.7 24.8 37.2



#90
 Hexachlorobutadiene
 Concen: 16.15 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061416.D
 Acq: 15 May 2020 18:22

Tgt Ion:225 Resp: 8378
 Ion Ratio Lower Upper
 225 100
 223 61.8 0.0 126.2
 227 61.2 0.0 127.0





#91

Naphthalene

Concen: 18.67 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

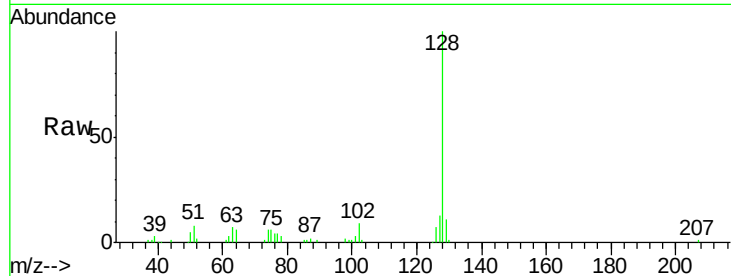
Tgt Ion:128 Resp: 74782

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

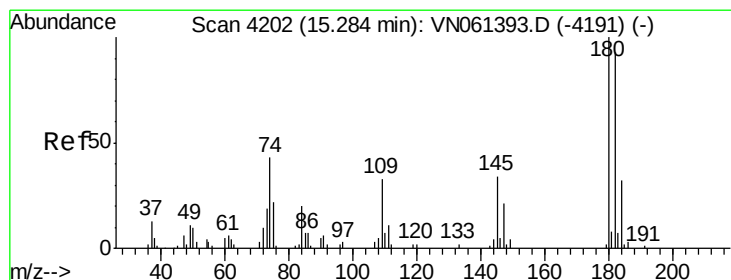
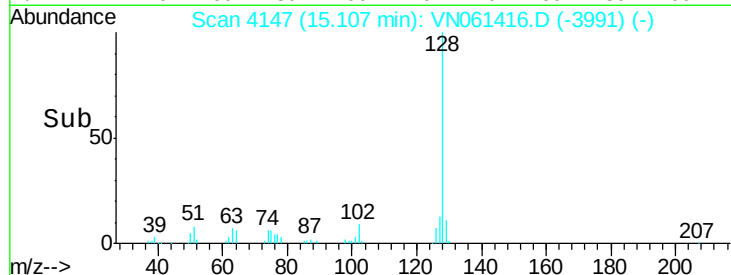
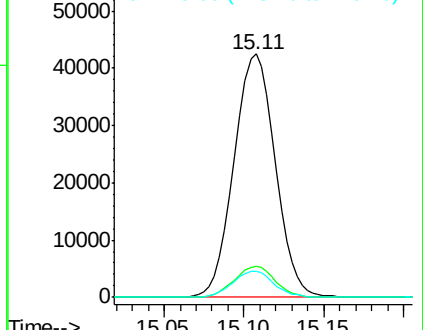
129 10.6 8.6 13.0



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: 18.15 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061416.D

Acq: 15 May 2020 18:22

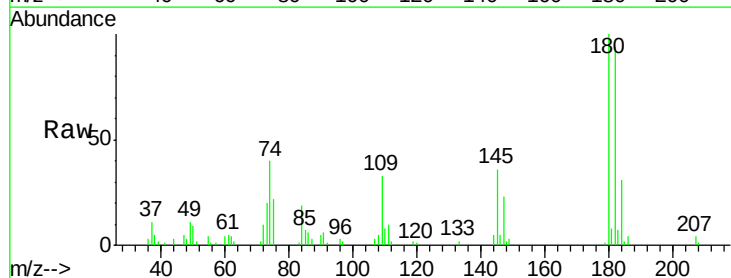
Tgt Ion:180 Resp: 22453

Ion Ratio Lower Upper

180 100

182 94.2 0.0 193.4

145 35.0 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

