

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061473.D
 Acq On : 19 May 2020 10:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 19 11:45:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	268405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	514278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	494066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	238219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	203047	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.55	113	130208	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
50) Toluene-d8	10.06	98	622671	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.38	95	240207	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	104328	46.746	ug/l	99
3) Chloromethane	2.03	50	162051	44.518	ug/l	100
4) Vinyl Chloride	2.16	62	243996	46.835	ug/l	99
5) Bromomethane	2.53	94	137013	52.183	ug/l	100
6) Chloroethane	2.67	64	160923	45.893	ug/l	99
7) Trichlorofluoromethane	2.98	101	302399	47.812	ug/l	97
8) Diethyl Ether	3.37	74	87463	47.476	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	124050	47.165	ug/l	99
10) Methyl Iodide	3.91	142	149423	46.774	ug/l	99
11) Tert butyl alcohol	4.73	59	134860	292.182	ug/l	99
12) 1,1-Dichloroethene	3.69	96	127735	46.428	ug/l	90
13) Acrolein	3.56	56	74612	224.610	ug/l	93
14) Allyl chloride	4.27	41	201305	44.960	ug/l	98
15) Acrylonitrile	4.93	53	339652	248.382	ug/l	99
16) Acetone	3.77	43	265285	259.288	ug/l	100
17) Carbon Disulfide	4.01	76	280961	47.429	ug/l	100
18) Methyl Acetate	4.27	43	135763	49.407	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	517092	49.527	ug/l	99
20) Methylene Chloride	4.50	84	157175	47.742	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	150745	47.517	ug/l	99
22) Diisopropyl ether	5.90	45	477707	47.479	ug/l	99
23) Vinyl Acetate	5.84	43	1942119	242.737	ug/l	98
24) 1,1-Dichloroethane	5.80	63	285806	48.701	ug/l	99
25) 2-Butanone	6.78	43	440250	241.381	ug/l	98
26) 2,2-Dichloropropane	6.77	77	181611	32.463	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	189016	50.439	ug/l	93
28) Bromochloromethane	7.15	49	137289	55.114	ug/l	93
29) Tetrahydrofuran	7.17	42	288763	239.060	ug/l	96
30) Chloroform	7.33	83	314206	51.262	ug/l	99
31) Cyclohexane	7.61	56	237590	45.745	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	279857	49.965	ug/l	99
36) 1,1-Dichloropropene	7.75	75	223424	46.462	ug/l	99
37) Ethyl Acetate	6.88	43	194510	44.602	ug/l	99
38) Carbon Tetrachloride	7.73	117	212730	48.043	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	237978	40.518	ug/l	96
40) Benzene	8.00	78	694541	47.927	ug/l	99
41) Methacrylonitrile	7.12	41	83221	45.182	ug/l	91
42) 1,2-Dichloroethane	8.09	62	246751	47.261	ug/l	100
43) Isopropyl Acetate	8.13	43	348272	45.788	ug/l #	91
44) Trichloroethene	8.80	130	188463	49.633	ug/l	97
45) 1,2-Dichloropropane	9.09	63	174550	48.122	ug/l	98
46) Dibromomethane	9.18	93	125441	49.331	ug/l	98
47) Bromodichloromethane	9.37	83	258751	48.296	ug/l	98
48) Methyl methacrylate	9.17	41	156680	44.591	ug/l	97
49) 1,4-Dioxane	9.17	88	51890	1419.894	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	992533	239.542	ug/l	99
52) Toluene	10.12	92	461330	49.586	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	270054	45.989	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	283782	45.462	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	176448	50.164	ug/l	99
56) Ethyl methacrylate	10.40	69	274554	49.927	ug/l	96
57) 1,3-Dichloropropane	10.68	76	298719	49.141	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	596228	247.011	ug/l	97
59) 2-Hexanone	10.72	43	714432	238.323	ug/l	98
60) Dibromochloromethane	10.87	129	198608	51.045	ug/l	99
61) 1,2-Dibromoethane	10.98	107	188209	50.890	ug/l	99
64) Tetrachloroethene	10.60	164	175614	45.944	ug/l	99
65) Chlorobenzene	11.41	112	482318	47.872	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	178148	49.322	ug/l	99
67) Ethyl Benzene	11.48	91	886842	48.221	ug/l	98
68) m/p-Xylenes	11.60	106	687989	98.555	ug/l	98
69) o-Xylene	11.92	106	326171	48.283	ug/l	99
70) Styrene	11.94	104	564586	50.469	ug/l	99
71) Bromoform	12.10	173	130596	46.638	ug/l #	99
73) Isopropylbenzene	12.22	105	851521	44.526	ug/l	99
74) N-amyl acetate	12.04	43	311300	44.471	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	242432	46.076	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	314572	61.541	ug/l #	100
77) Bromobenzene	12.50	156	198717	47.879	ug/l	96
78) n-propylbenzene	12.56	91	955149	43.834	ug/l	99
79) 2-Chlorotoluene	12.65	91	578370	44.906	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	710196	45.355	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	77739	40.344	ug/l	98
82) 4-Chlorotoluene	12.75	91	615731	46.170	ug/l	100
83) tert-Butylbenzene	12.97	119	583239	43.484	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	717085	45.759	ug/l	98
85) sec-Butylbenzene	13.15	105	750742	41.393	ug/l	100
86) p-Isopropyltoluene	13.26	119	683582	42.445	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	360798	47.500	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	363995	47.850	ug/l	98
89) n-Butylbenzene	13.59	91	573403	39.190	ug/l	99
90) Hexachloroethane	13.85	117	92859	42.543	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	347911	47.750	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	49882	46.933	ug/l	98

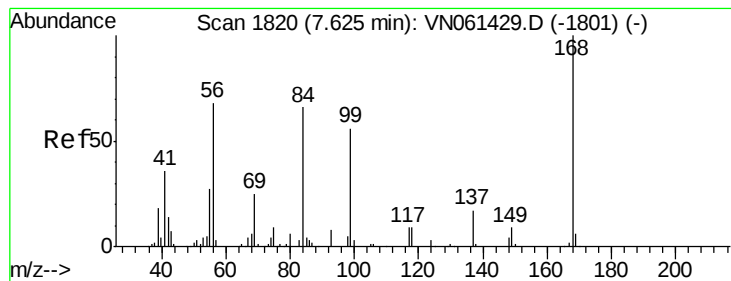
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	176856	44.766	ug/l	99
94) Hexachlorobutadiene	14.99	225	61915	35.272	ug/l	99
95) Naphthalene	15.10	128	628425	50.035	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	173229	44.046	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

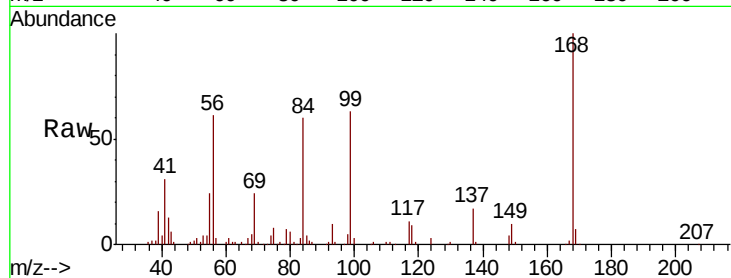
VSTDCCC050EC

Tot Ion:168 Resp: 268405

Ion Ratio Lower Upper

168 100

99 62.4 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

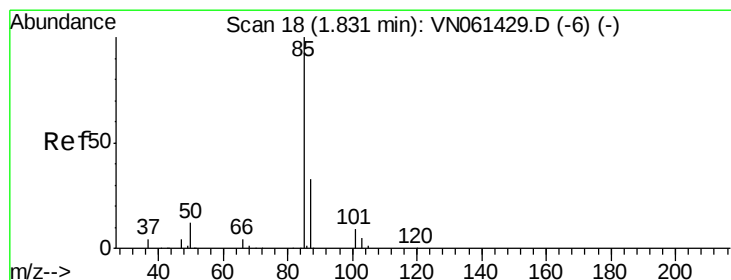
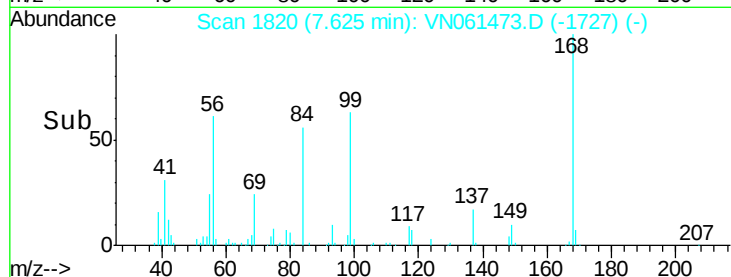
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 46.746 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061473.D

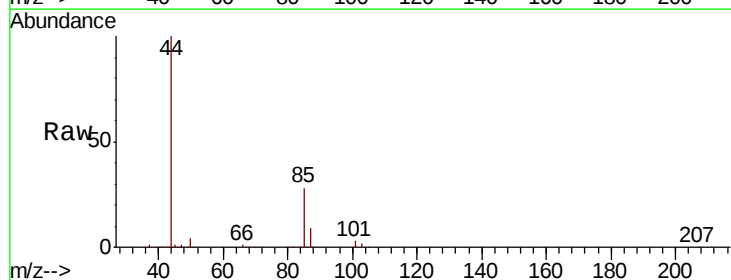
Acq: 19 May 2020 10:26

Tgt Ion: 85 Resp: 104328

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

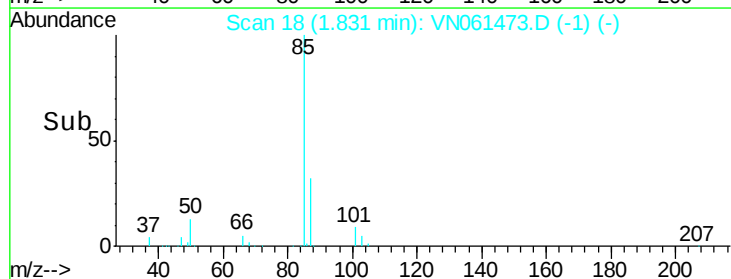
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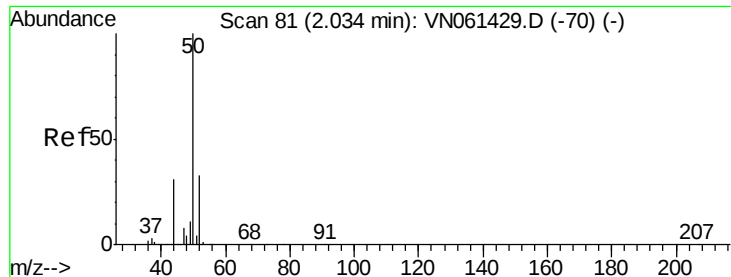
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 44.518 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

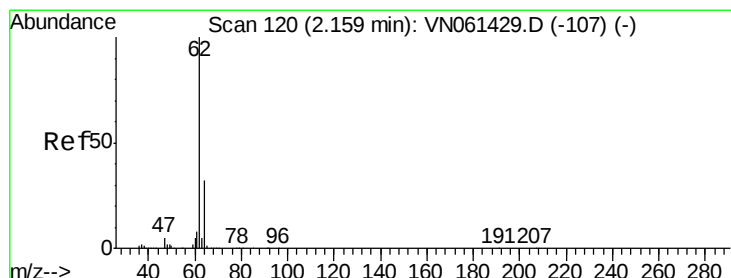
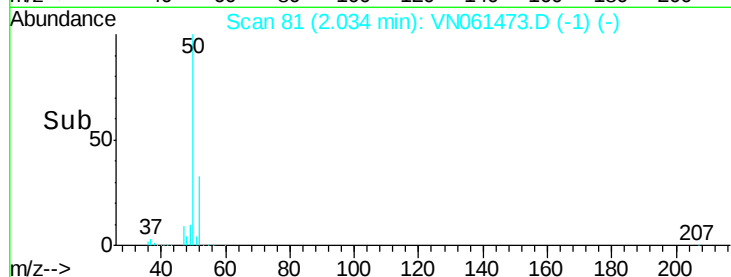
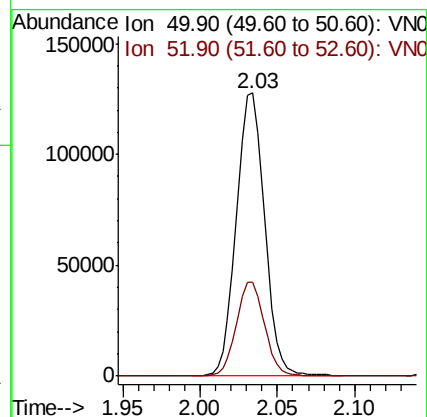
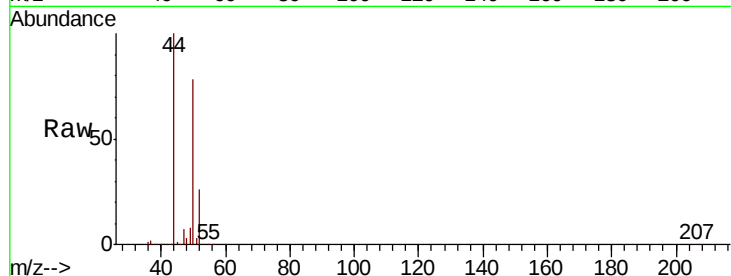
VSTDCCC050EC

Tot Ion: 50 Resp: 162051

Ion Ratio Lower Upper

50 100

52 33.4 26.7 40.1



#4

Vinyl Chloride

Concen: 46.835 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061473.D

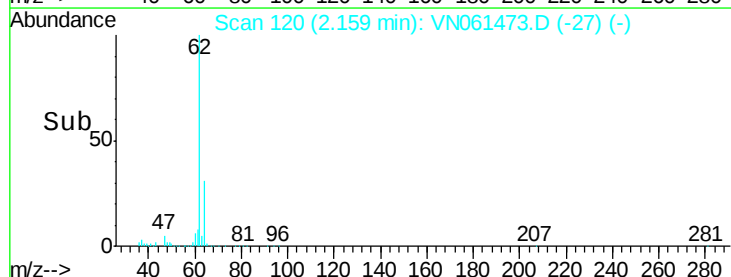
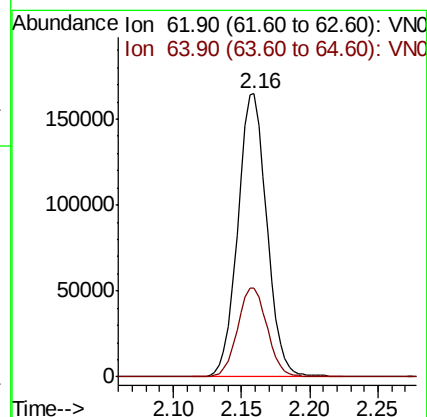
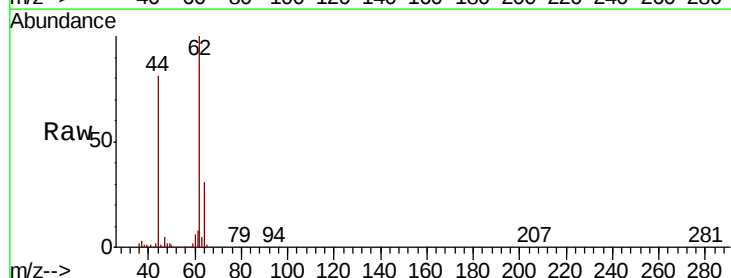
Acq: 19 May 2020 10:26

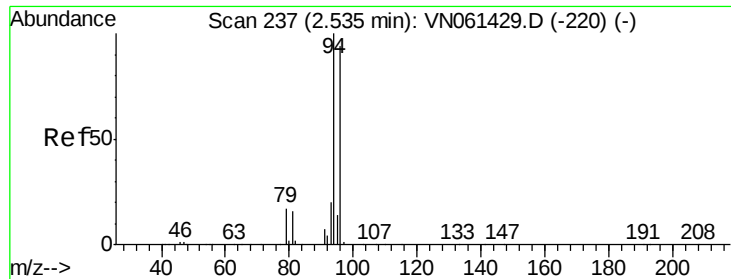
Tgt Ion: 62 Resp: 243996

Ion Ratio Lower Upper

62 100

64 31.2 25.3 37.9





#5

Bromomethane

Concen: 52.183 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

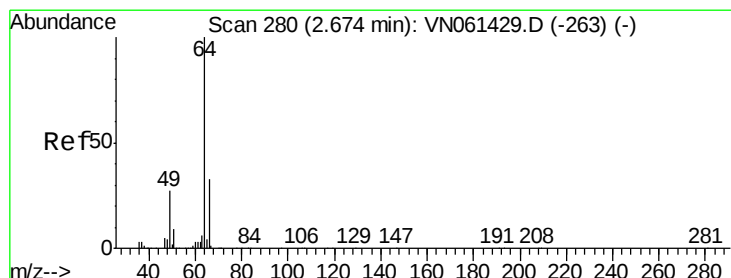
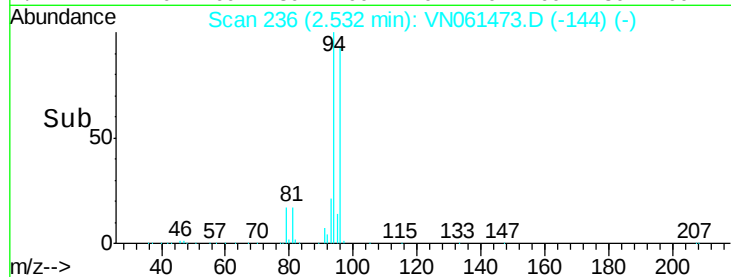
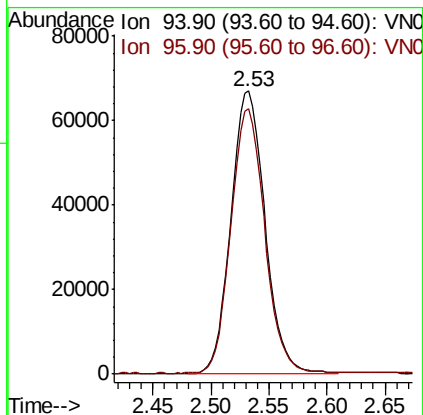
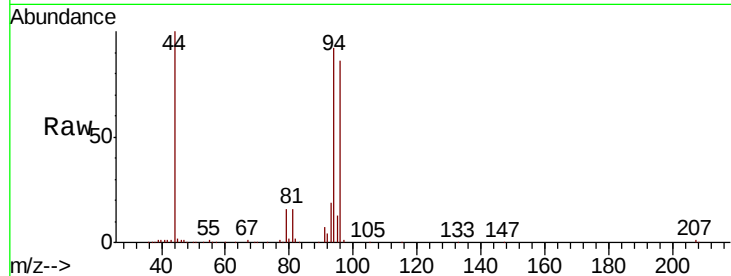
VSTDCCC050EC

Tot Ion: 94 Resp: 137013

Ion Ratio Lower Upper

94 100

96 93.2 74.9 112.3



#6

Chloroethane

Concen: 45.893 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061473.D

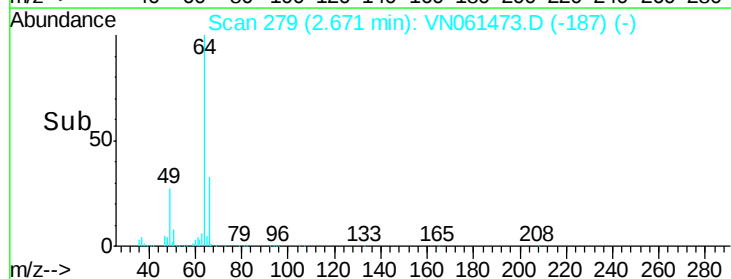
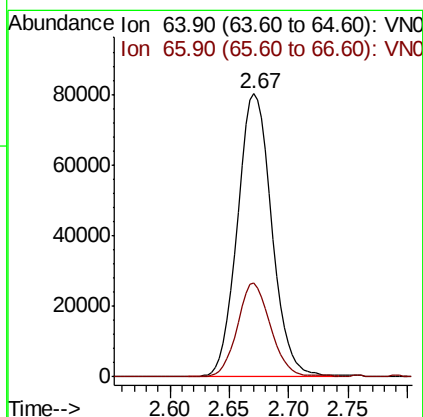
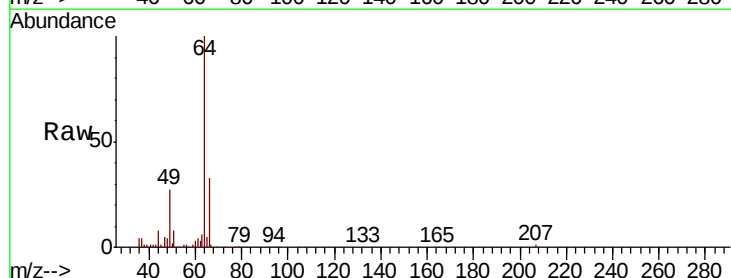
Acq: 19 May 2020 10:26

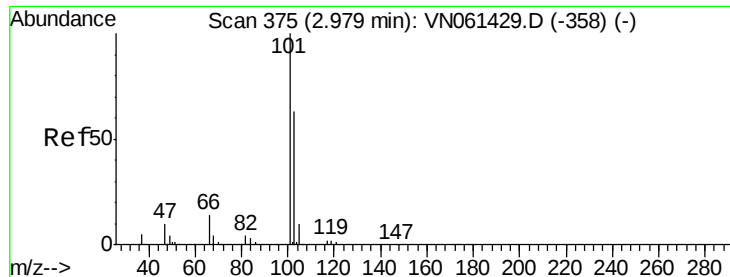
Tgt Ion: 64 Resp: 160923

Ion Ratio Lower Upper

64 100

66 33.2 26.3 39.5



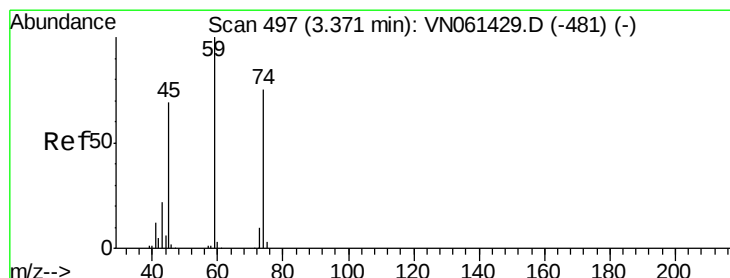
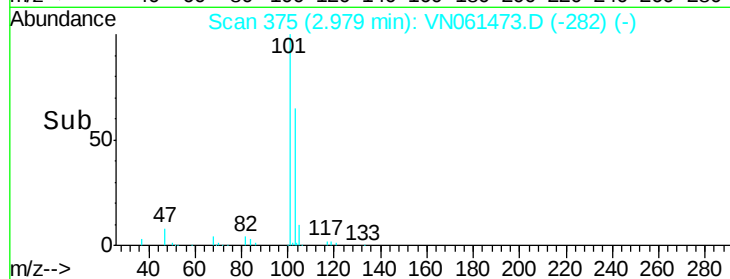
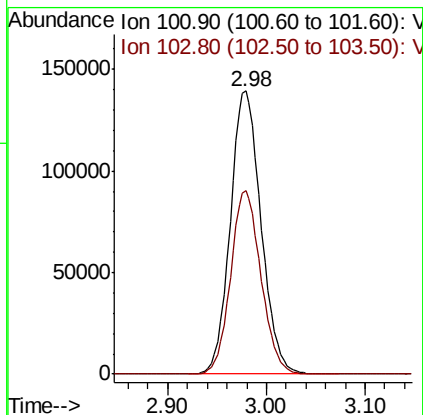
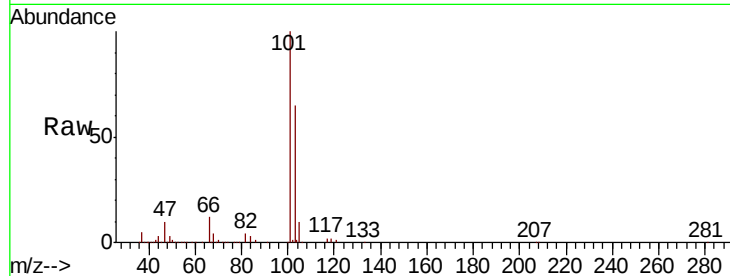


#7

Trichlorofluoromethane
 Concen: 47.812 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Instrument :
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 VSTDCCC050EC

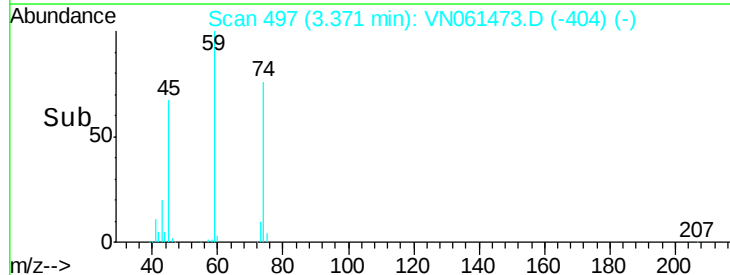
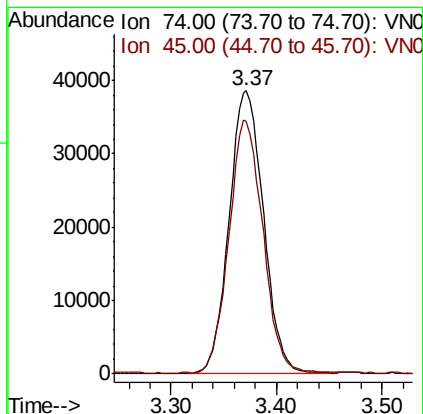
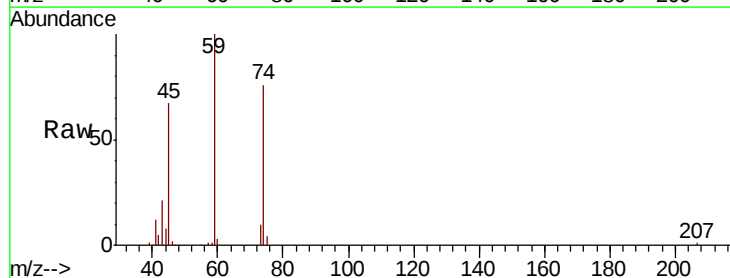
Tot Ion:101 Resp: 302399
 Ion Ratio Lower Upper
 101 100
 103 64.9 50.2 75.4

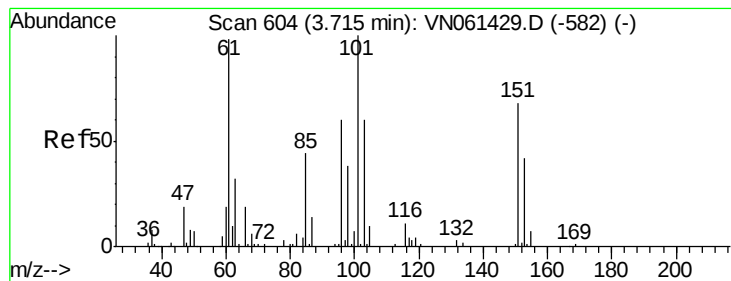


#8

Diethyl Ether
 Concen: 47.476 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion: 74 Resp: 87463
 Ion Ratio Lower Upper
 74 100
 45 88.9 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.165 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

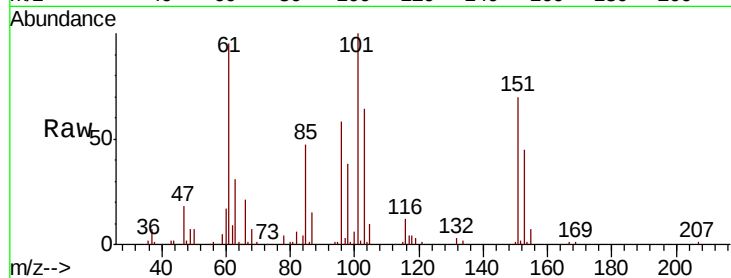
Tot Ion:101 Resp: 124050

Ion Ratio Lower Upper

101 100

85 45.3 36.6 55.0

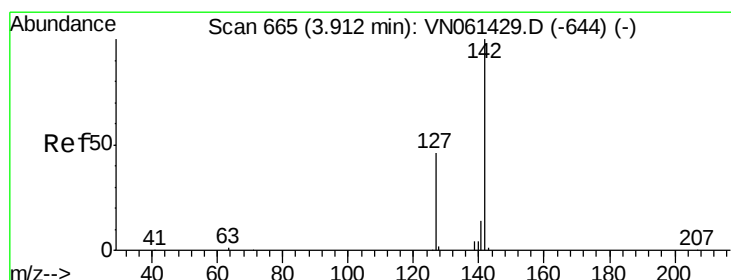
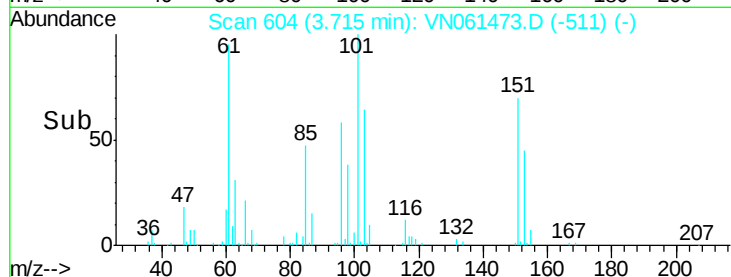
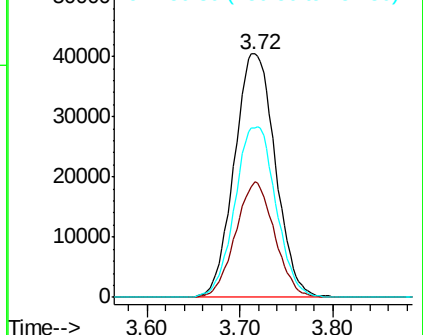
151 70.1 56.3 84.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.774 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

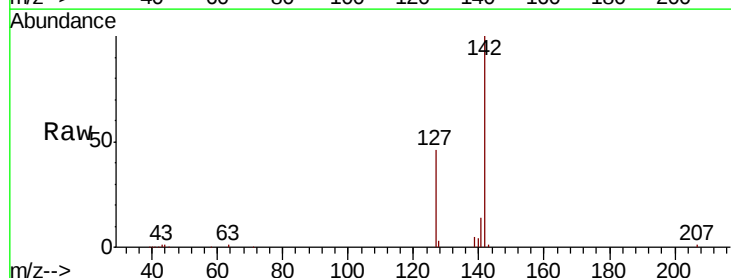
Tgt Ion:142 Resp: 149423

Ion Ratio Lower Upper

142 100

127 45.3 36.7 55.1

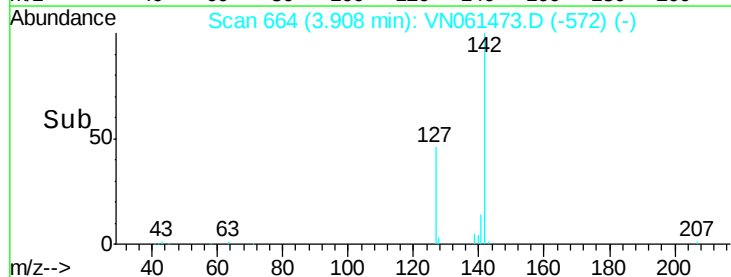
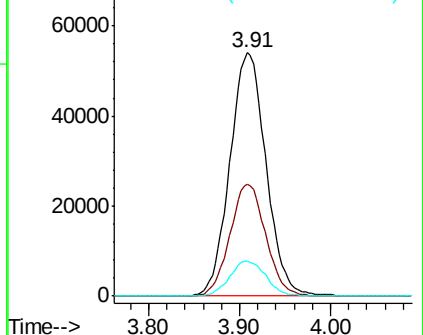
141 14.3 11.5 17.3

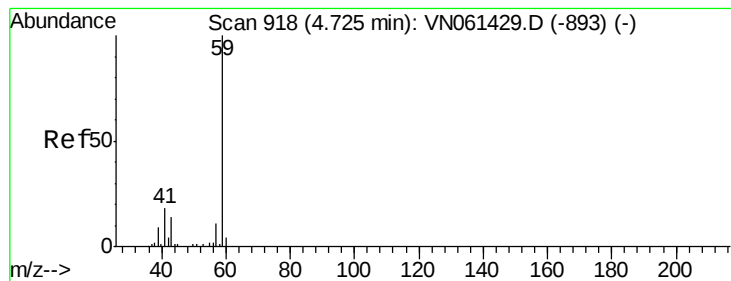


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



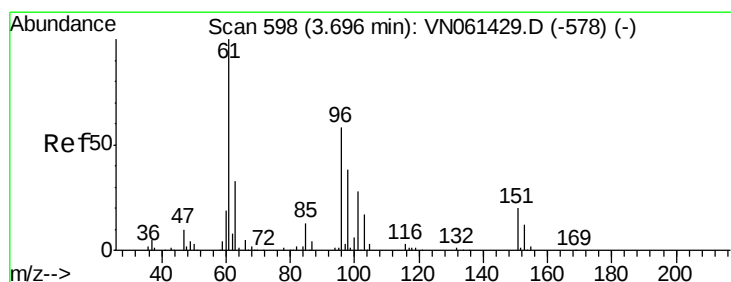
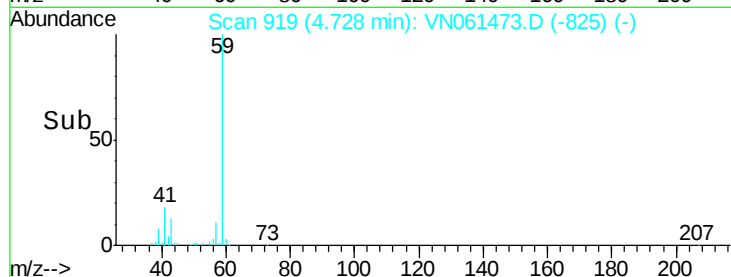
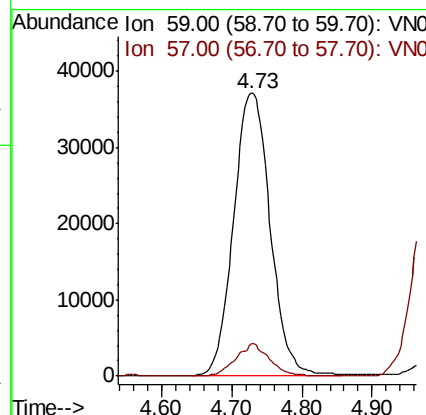
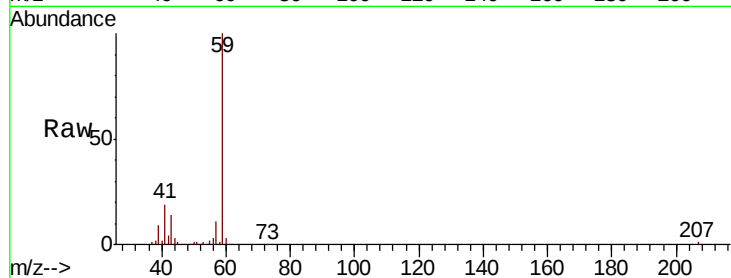


#11

Tert butyl alcohol
 Concen: 292.182 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

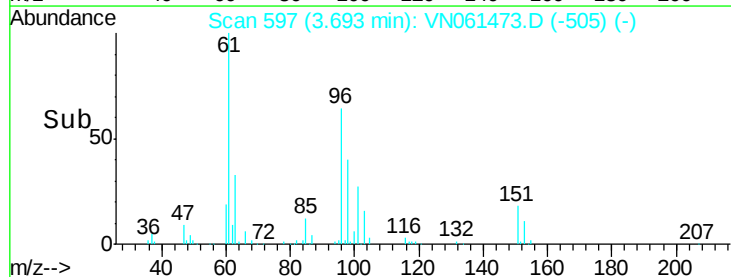
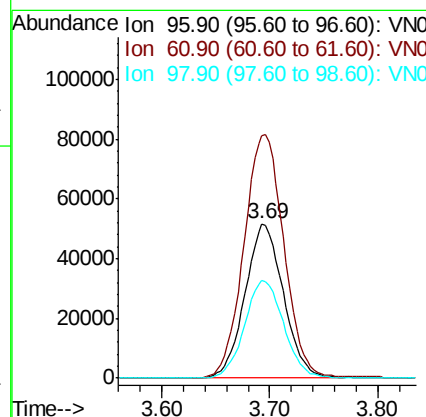
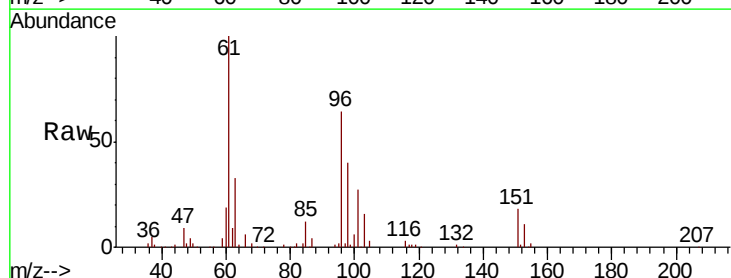
Tot Ion: 59 Resp: 134860
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

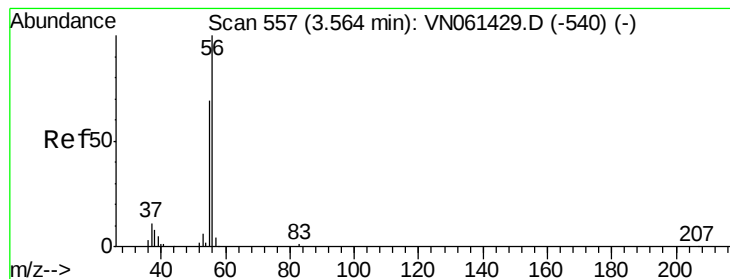


#12

1,1-Dichloroethene
 Concen: 46.428 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion: 96 Resp: 127735
 Ion Ratio Lower Upper
 96 100
 61 157.1 138.7 208.1
 98 63.0 53.0 79.6





#13

Acrolein

Concen: 224.610 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

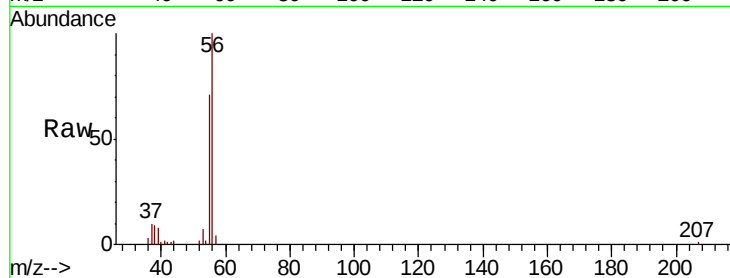
VSTDCCC050EC

Tot Ion: 56 Resp: 74612

Ion Ratio Lower Upper

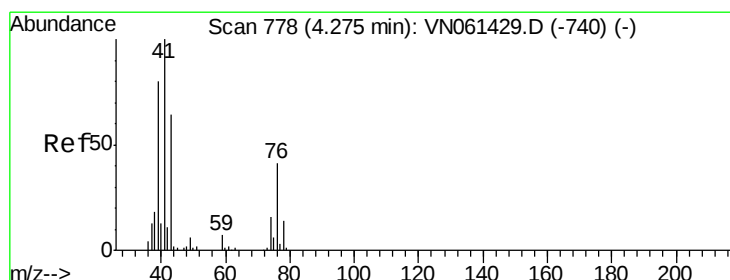
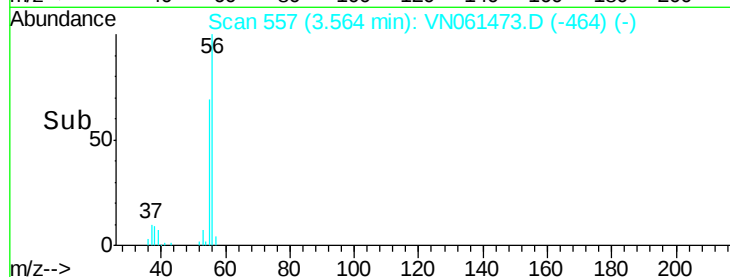
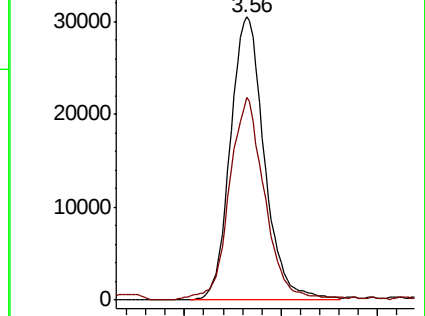
56 100

55 73.8 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 44.960 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

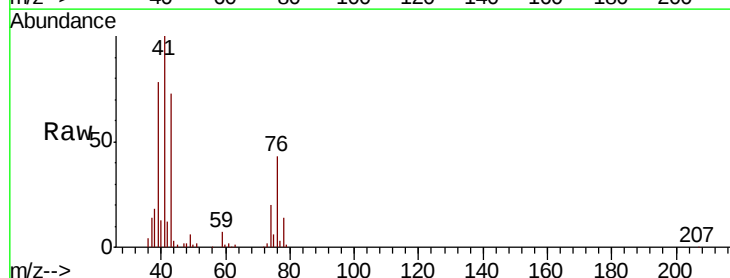
Tgt Ion: 41 Resp: 201305

Ion Ratio Lower Upper

41 100

39 75.8 61.2 91.8

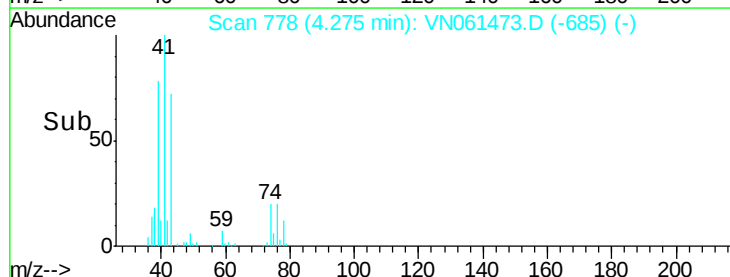
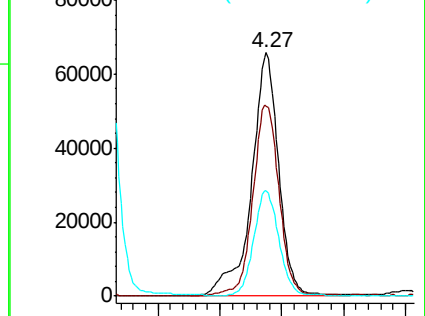
76 39.9 29.9 44.9

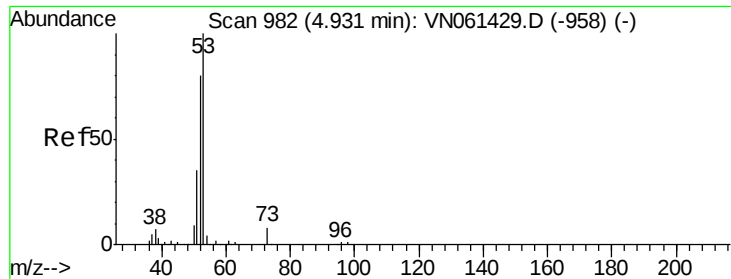


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 248.382 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

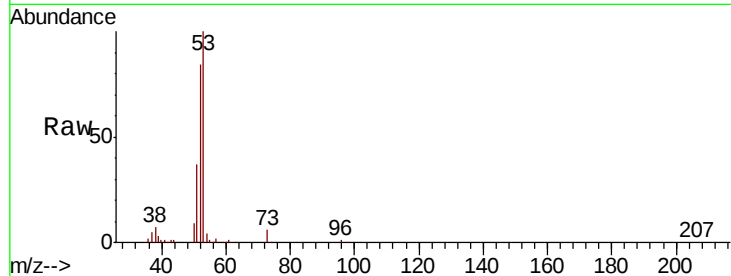
Tot Ion: 53 Resp: 339652

Ion Ratio Lower Upper

53 100

52 80.5 64.7 97.1

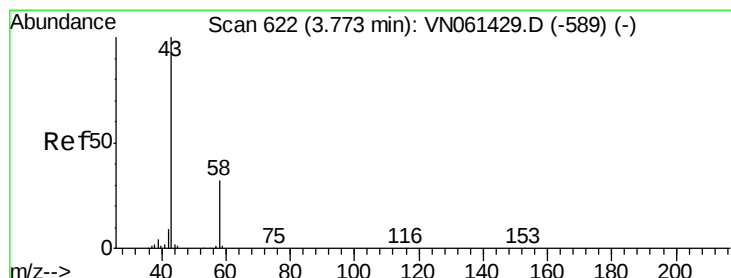
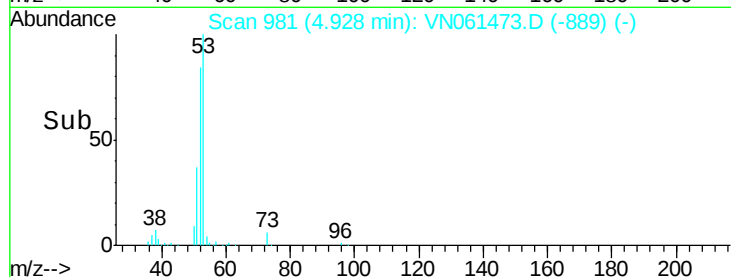
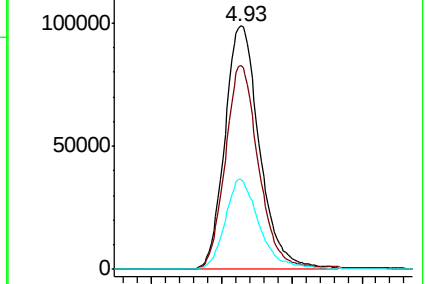
51 36.4 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 259.288 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061473.D

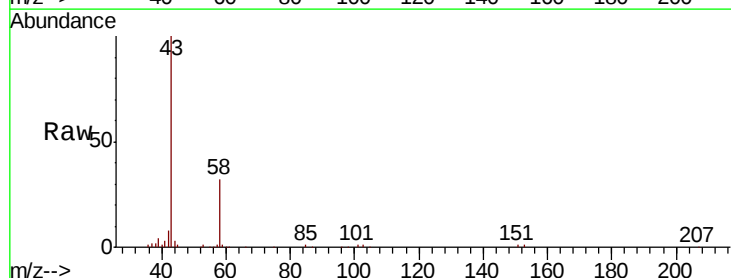
Acq: 19 May 2020 10:26

Tgt Ion: 43 Resp: 265285

Ion Ratio Lower Upper

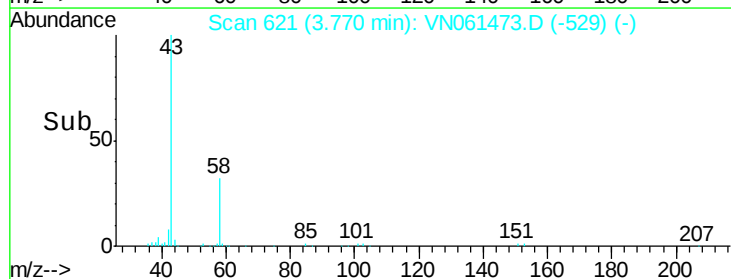
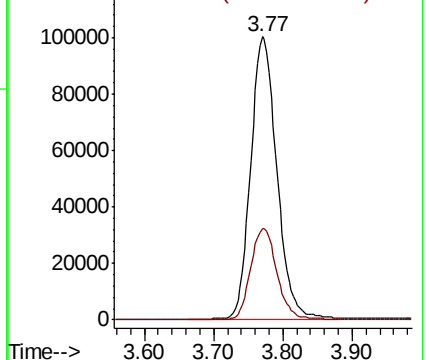
43 100

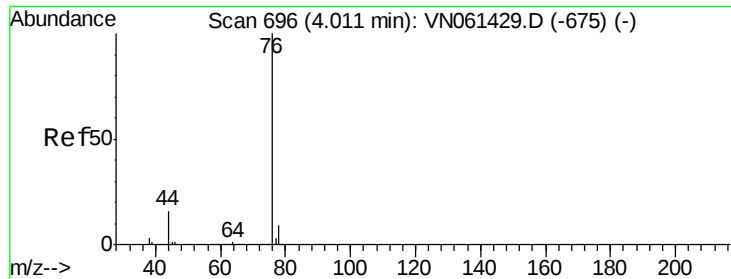
58 32.2 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

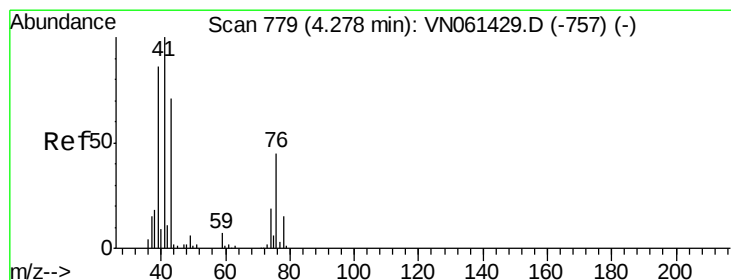
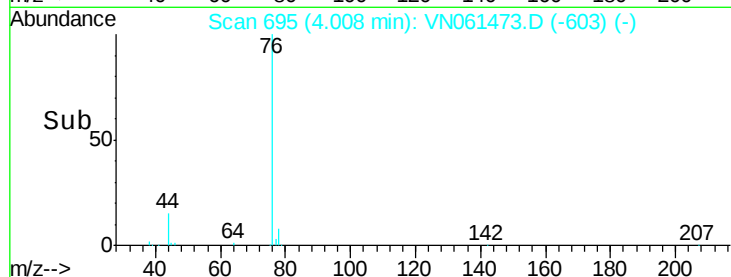
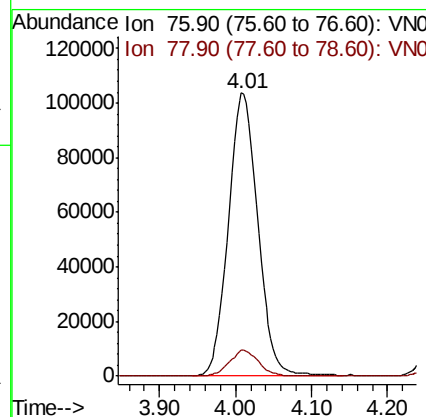
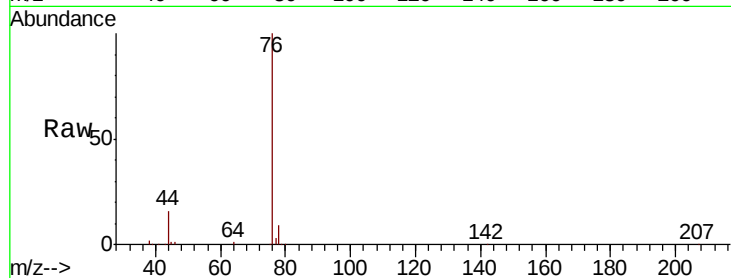




#17
Carbon Disulfide
Concen: 47.429 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

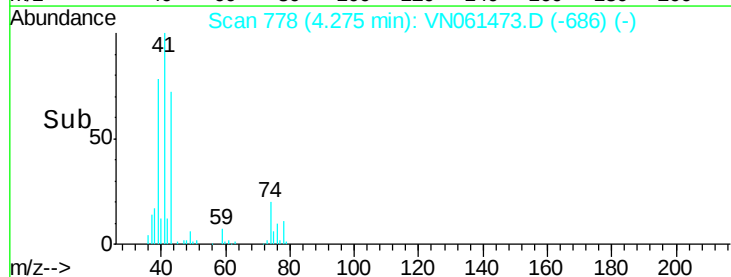
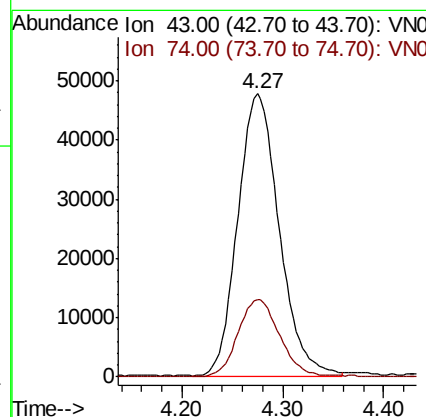
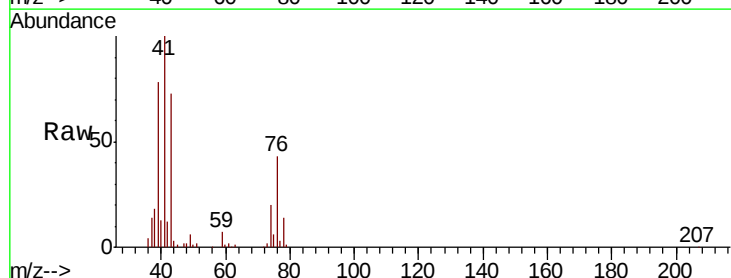
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

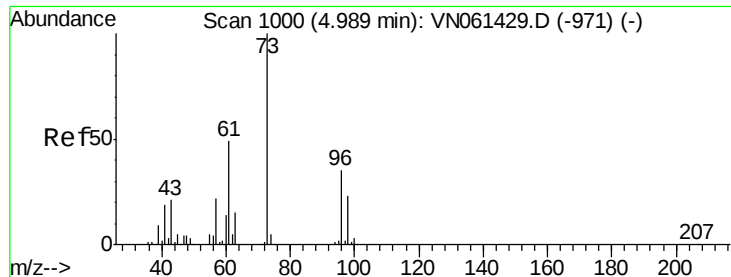
Tot Ion: 76 Resp: 280961
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 49.407 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion: 43 Resp: 135763
Ion Ratio Lower Upper
43 100
74 27.5 20.8 31.2

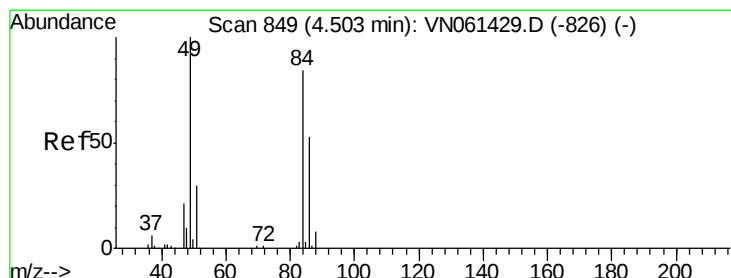
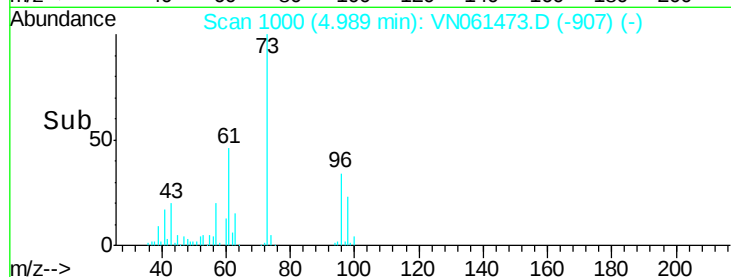
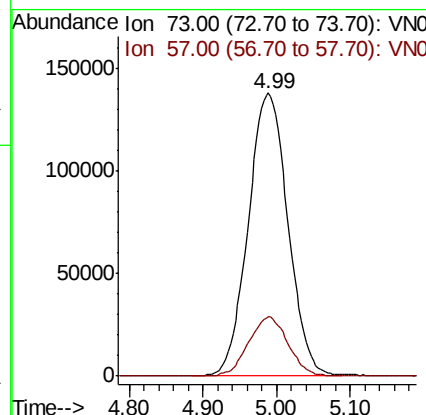
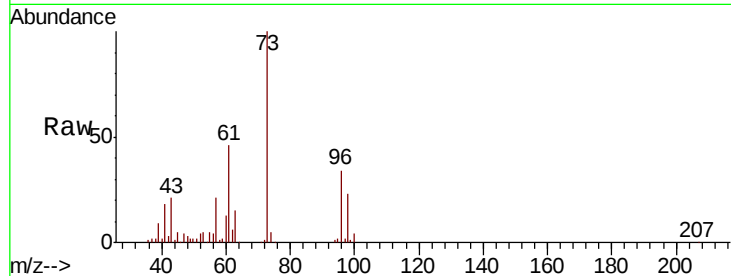




#19
Methyl tert-butyl Ether
Concen: 49.527 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

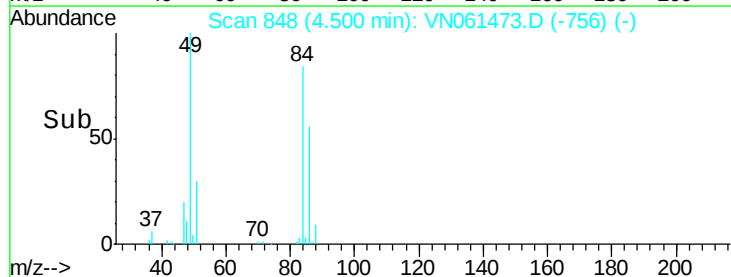
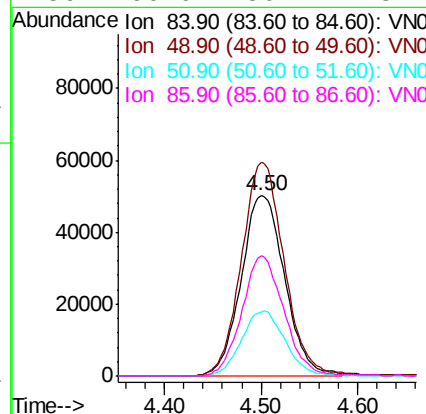
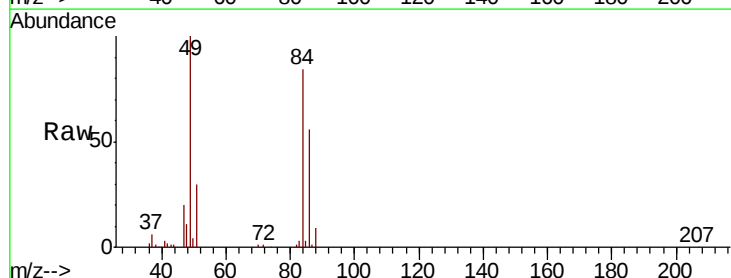
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

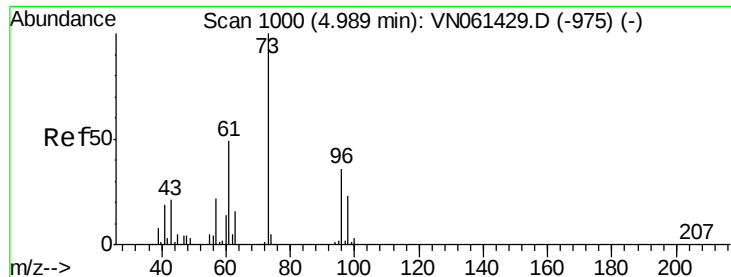
Tot Ion: 73 Resp: 517092
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.0



#20
Methylene Chloride
Concen: 47.742 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion: 84 Resp: 157175
Ion Ratio Lower Upper
84 100
49 118.7 95.3 142.9
51 35.4 29.0 43.6
86 66.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 47.517 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

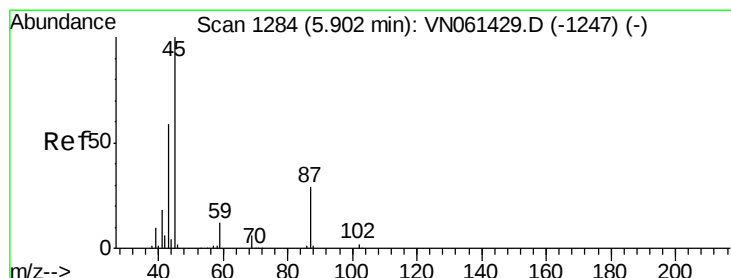
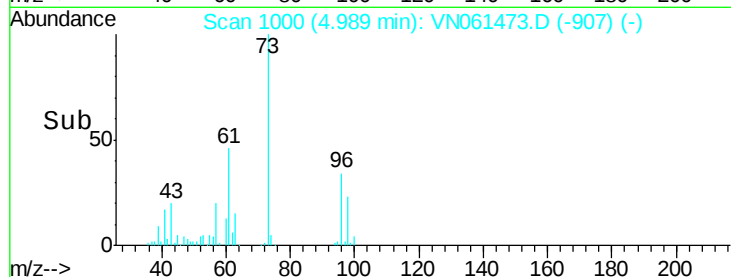
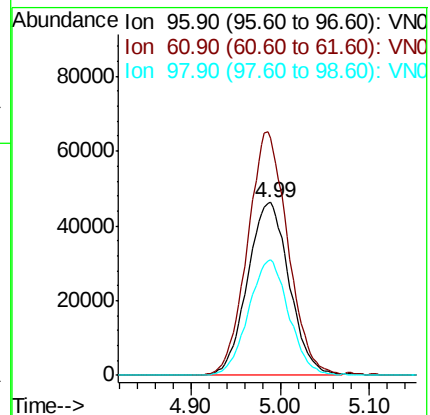
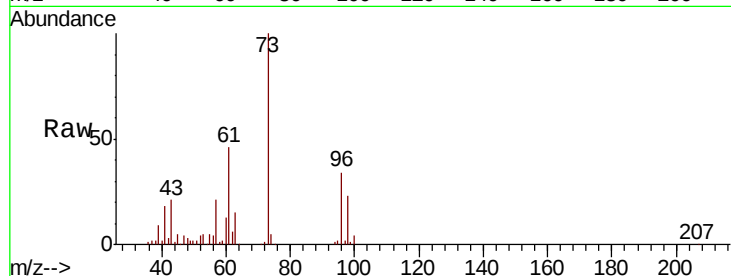
Tot Ion: 96 Resp: 150745

Ion Ratio Lower Upper

96 100

61 136.7 109.8 164.6

98 67.2 52.4 78.6



#22

Diisopropyl ether

Concen: 47.479 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Tgt Ion: 45 Resp: 477707

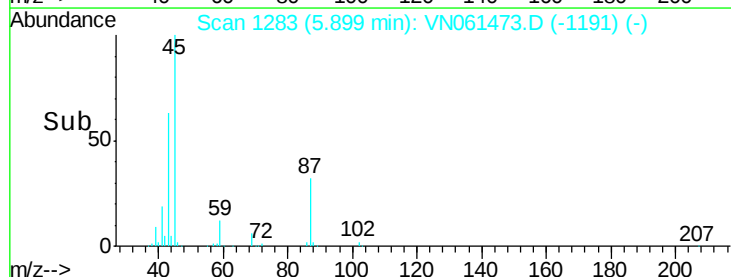
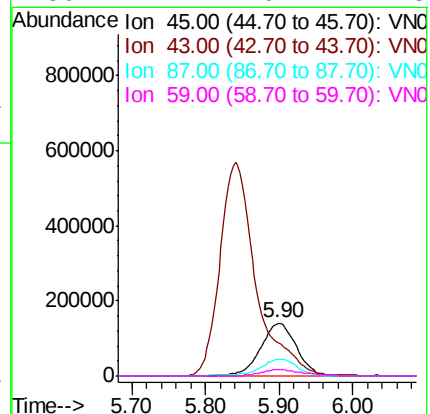
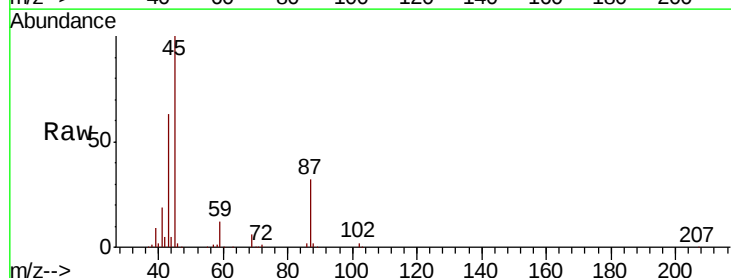
Ion Ratio Lower Upper

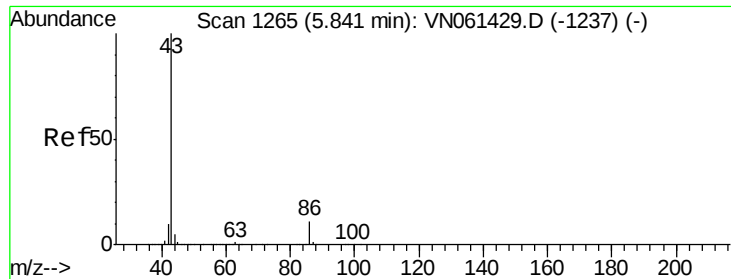
45 100

43 60.7 47.9 71.9

87 31.4 24.0 36.0

59 12.1 9.7 14.5





#23

Vinyl Acetate

Concen: 242.737 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

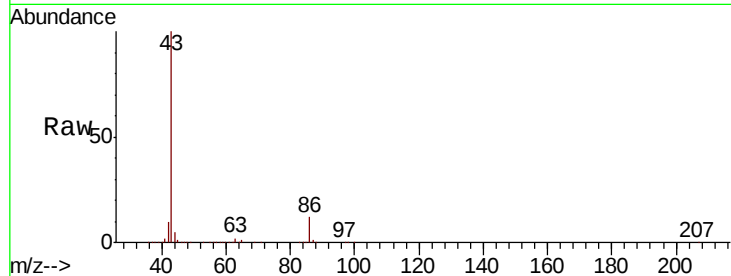
VSTDCCC050EC

Tot Ion: 43 Resp: 1942119

Ion Ratio Lower Upper

43 100

86 12.1 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

600000

500000

400000

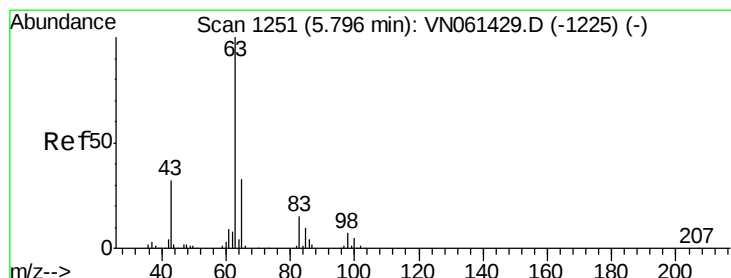
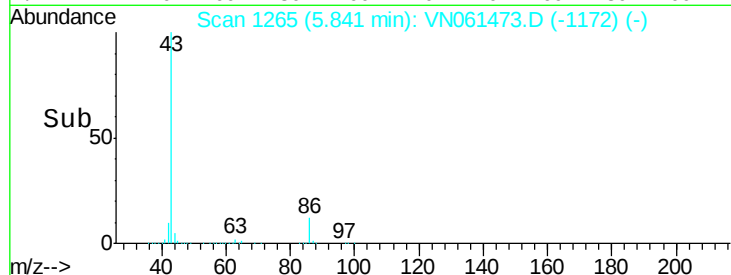
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.701 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

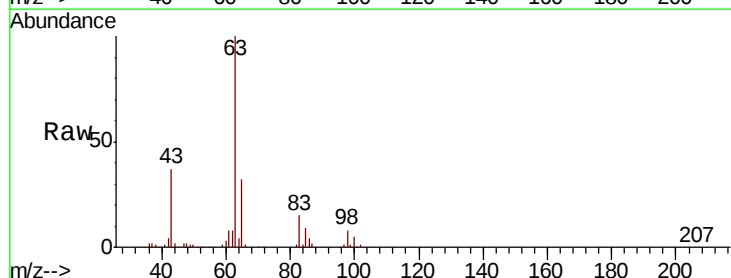
Tgt Ion: 63 Resp: 285806

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

100 4.7 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

120000

100000

80000

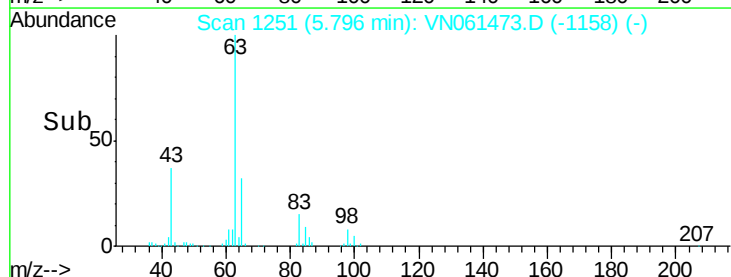
60000

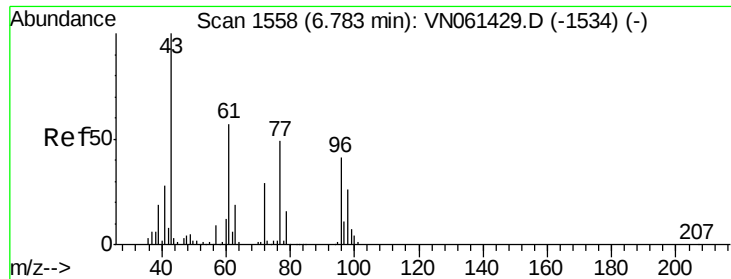
40000

20000

0

Time-->





#25

2-Butanone

Concen: 241.381 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

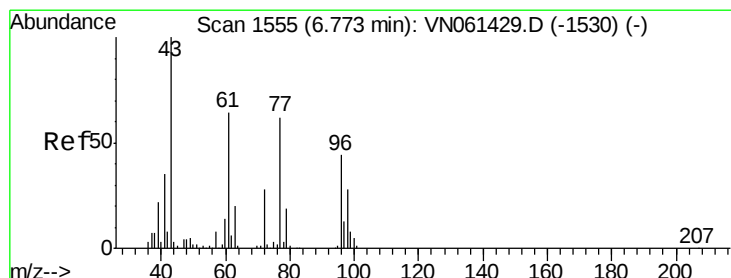
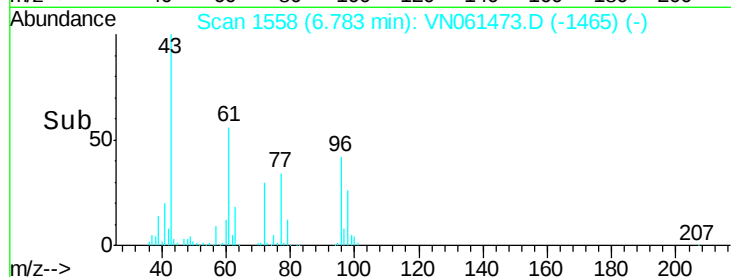
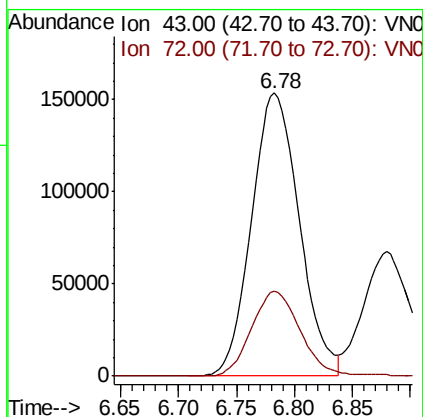
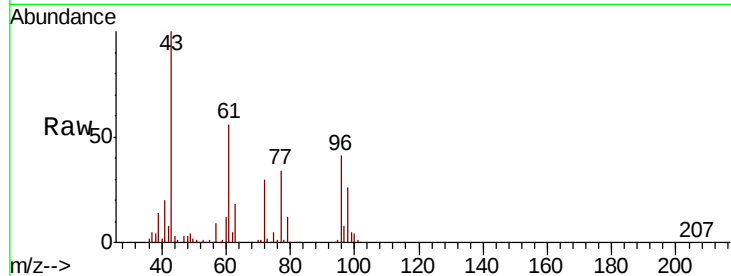
VSTDCCC050EC

Tot Ion: 43 Resp: 440250

Ion Ratio Lower Upper

43 100

72 29.9 23.0 34.6



#26

2,2-Dichloropropane

Concen: 32.463 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. 0.00 min

Lab File: VN061473.D

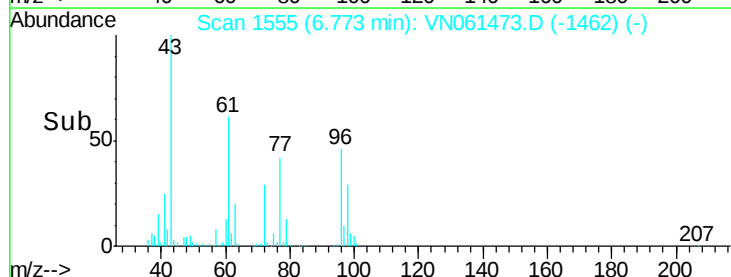
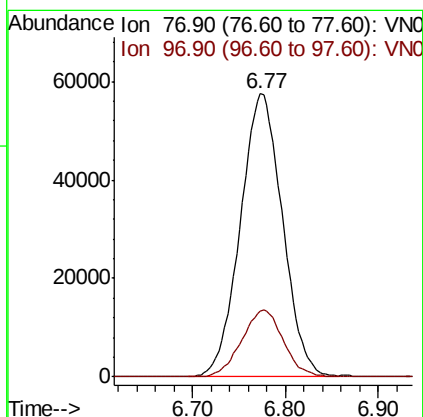
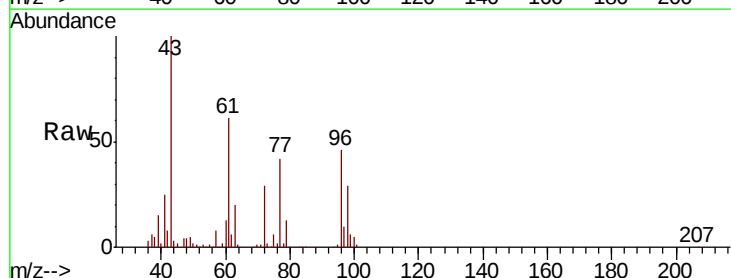
Acq: 19 May 2020 10:26

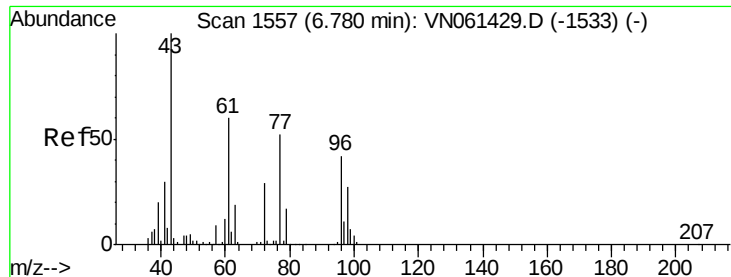
Tgt Ion: 77 Resp: 181611

Ion Ratio Lower Upper

77 100

97 23.2 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 50.439 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

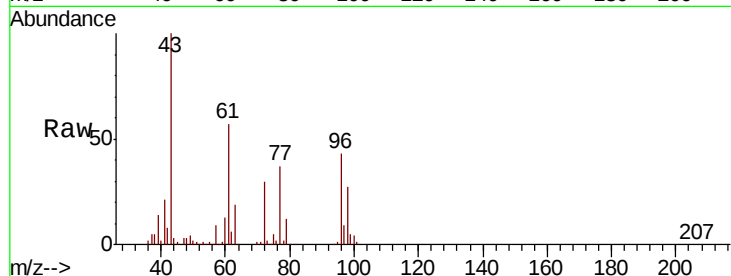
Tot Ion: 96 Resp: 189016

Ion Ratio Lower Upper

96 100

61 134.5 0.0 294.2

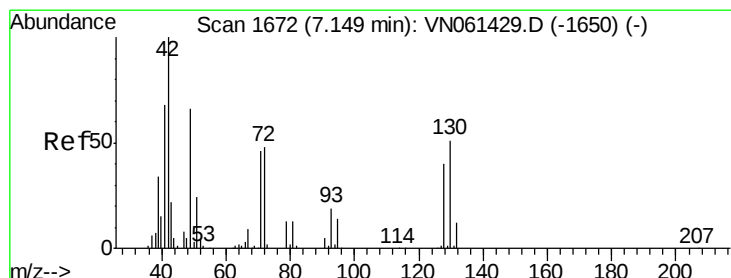
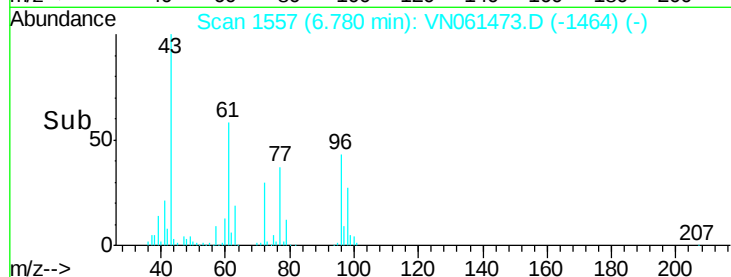
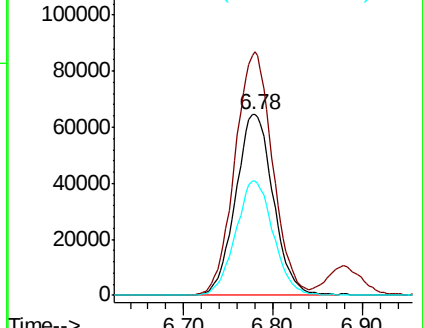
98 63.1 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN061473.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061473.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061473.D (-1464) (-)



#28

Bromochloromethane

Concen: 55.114 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

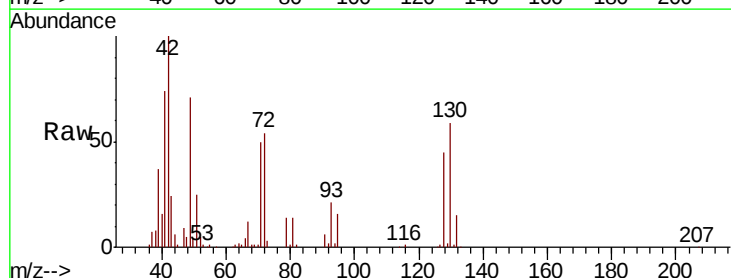
Tgt Ion: 49 Resp: 137289

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

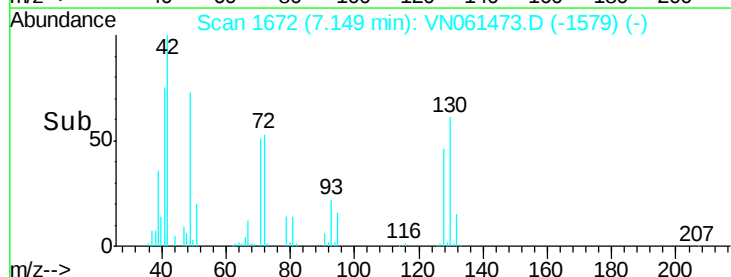
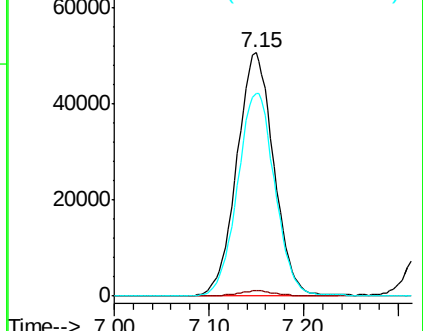
130 84.2 62.2 93.2

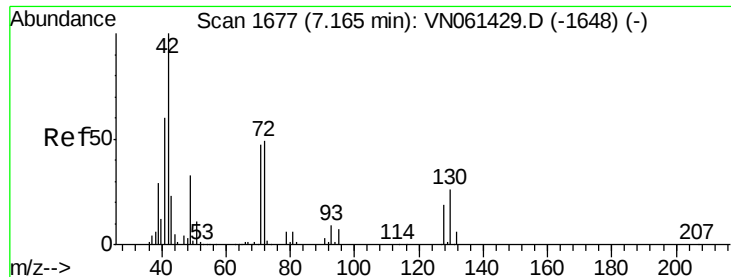


Abundance Ion 48.90 (48.60 to 49.60): VN061473.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061473.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061473.D (-1579) (-)

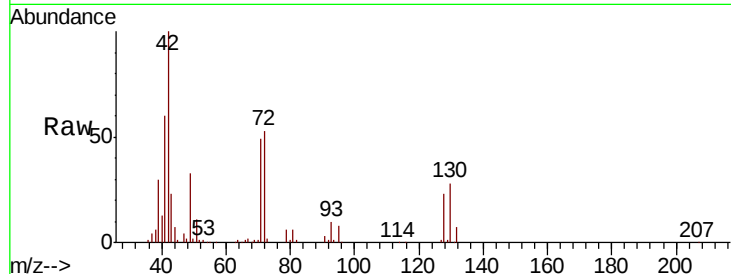




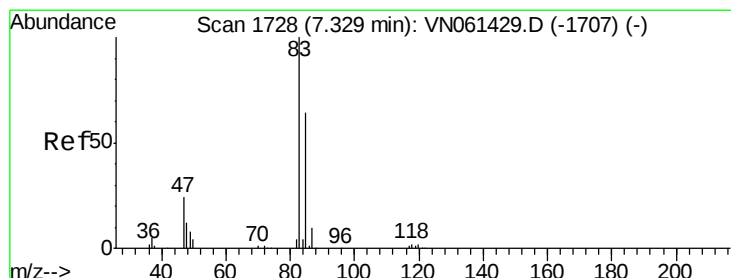
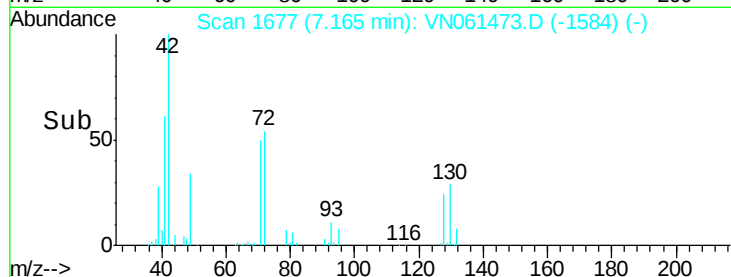
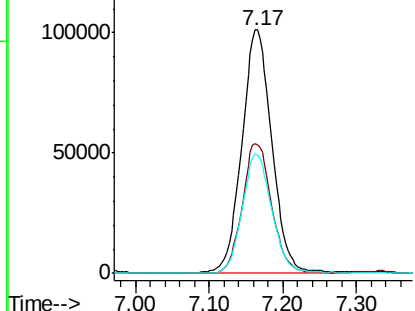
#29
Tetrahydrofuran
Concen: 239.060 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 288763
Ion Ratio Lower Upper
42 100
72 52.0 39.0 58.6
71 48.0 36.9 55.3

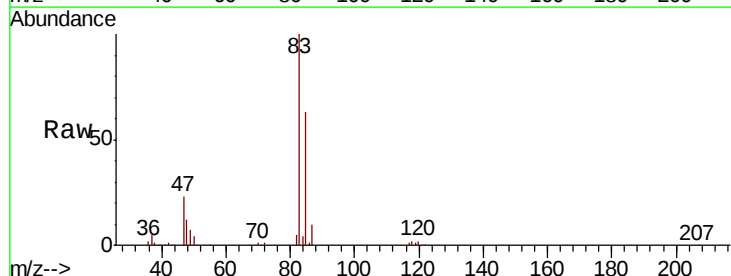


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

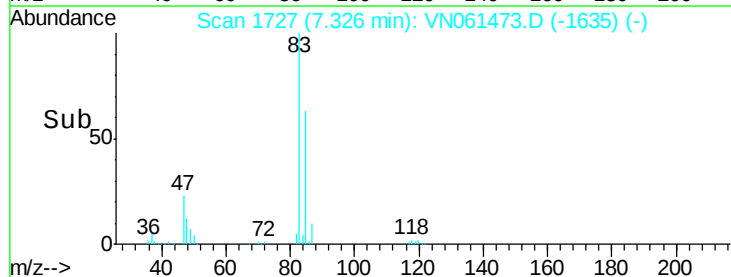
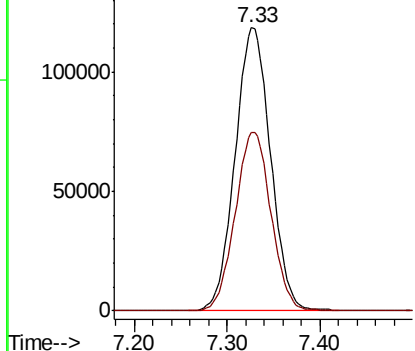


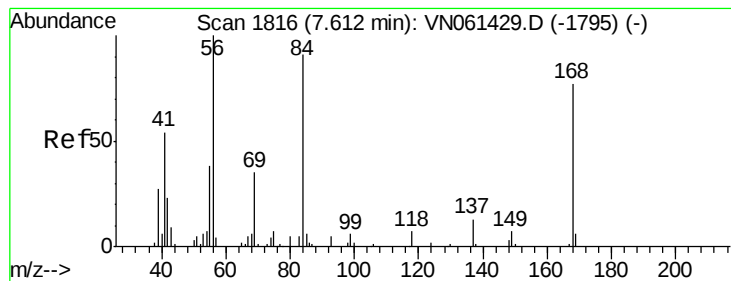
#30
Chloroform
Concen: 51.262 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion: 83 Resp: 314206
Ion Ratio Lower Upper
83 100
85 63.2 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 45.745 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

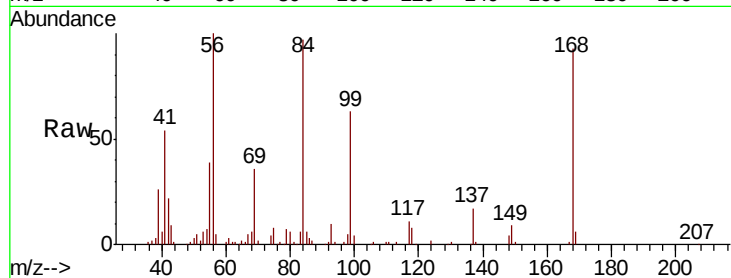
Tot Ion: 56 Resp: 237590

Ion Ratio Lower Upper

56 100

69 35.9 27.8 41.6

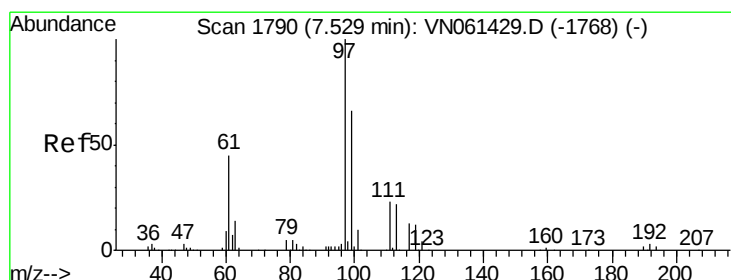
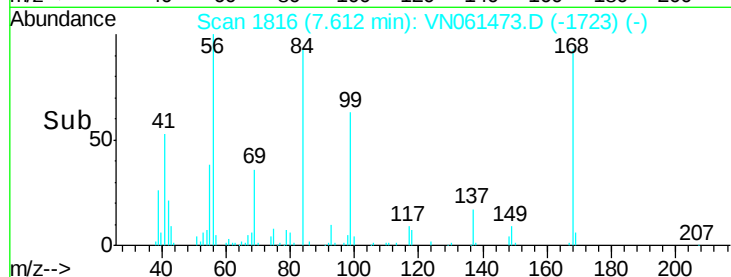
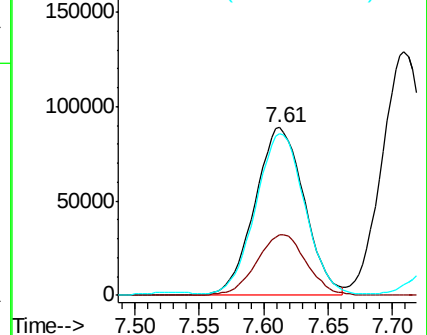
84 95.3 72.7 109.1



Abundance Ion 56.00 (55.70 to 56.70): VN061473.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061473.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061473.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 49.965 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

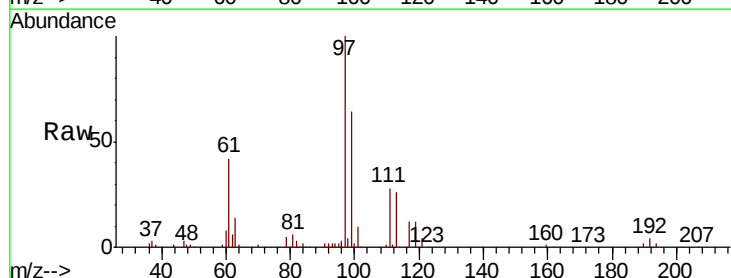
Tgt Ion: 97 Resp: 279857

Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

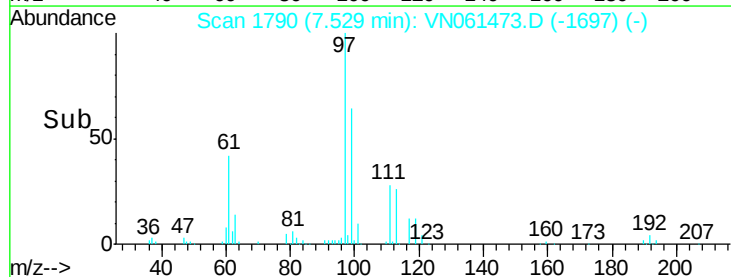
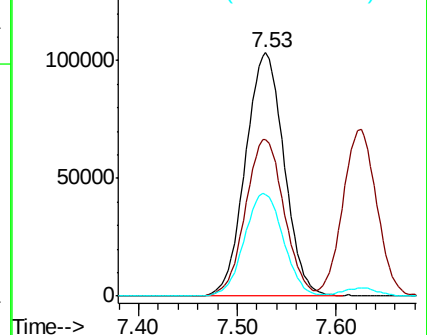
61 42.6 35.8 53.6

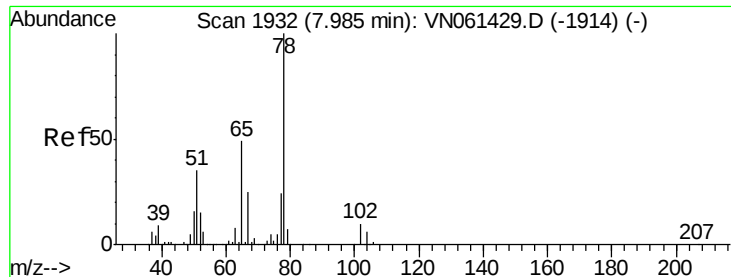


Abundance Ion 96.90 (96.60 to 97.60): VN061473.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061473.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061473.D (-1697) (-)





#33

1,2-Dichloroethane-d4

Concen: 50.688 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

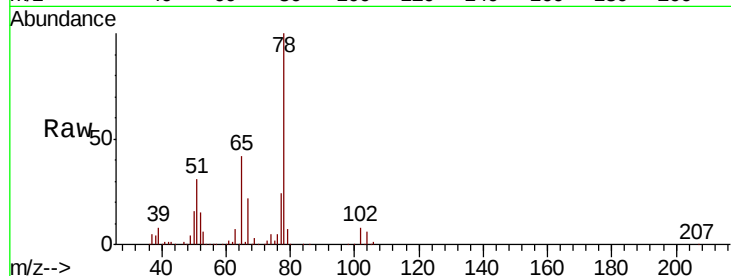
VSTDCCC050EC

Tot Ion: 65 Resp: 203047

Ion Ratio Lower Upper

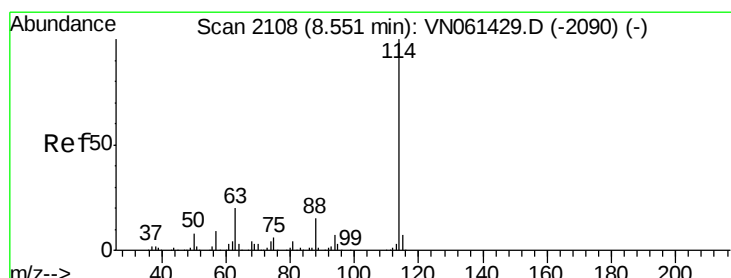
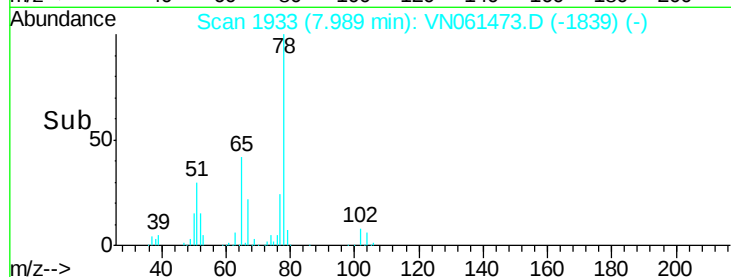
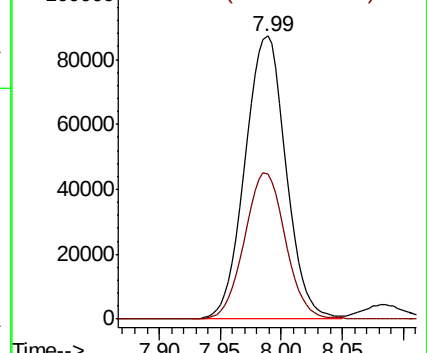
65 100

67 51.4 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN061473.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN061473.D (-1839) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

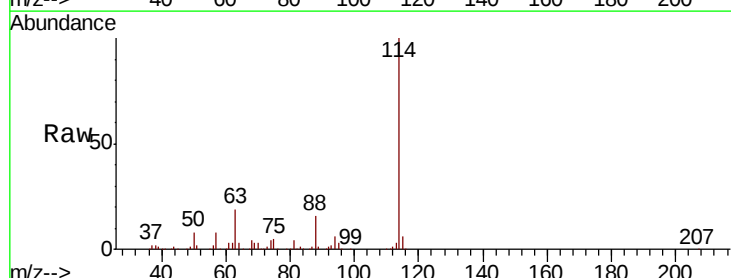
Tgt Ion: 114 Resp: 514278

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

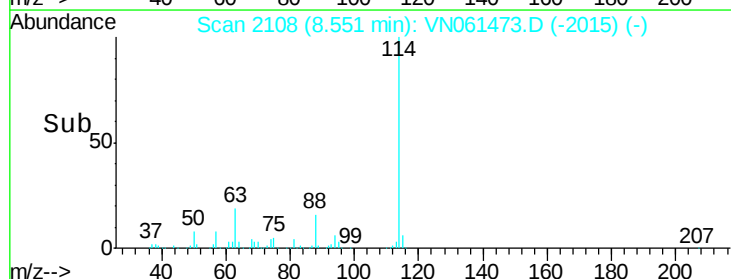
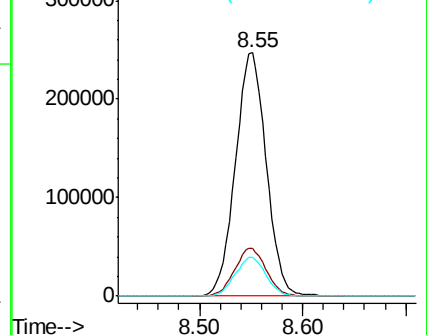
88 15.7 0.0 30.8

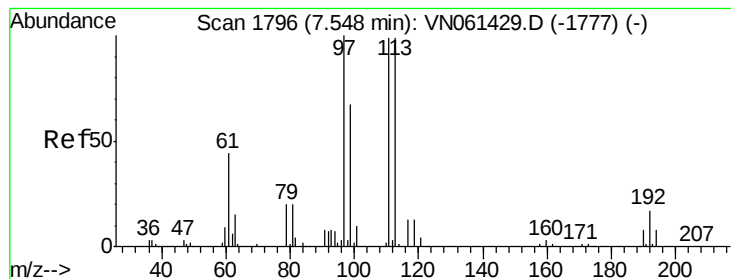


Abundance Ion 113.90 (113.60 to 114.60): VN061473.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN061473.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN061473.D (-2015) (-)





#35

Dibromofluoromethane

Concen: 48.330 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

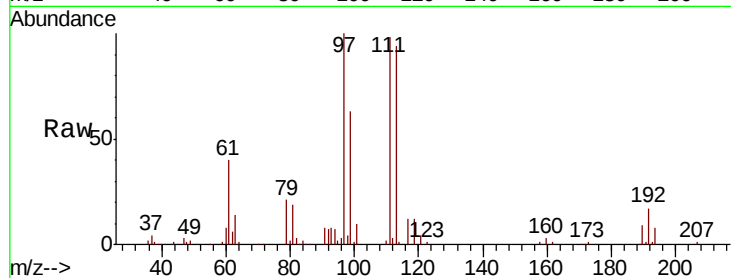
Tot Ion:113 Resp: 130208

Ion Ratio Lower Upper

113 100

111 105.6 80.6 121.0

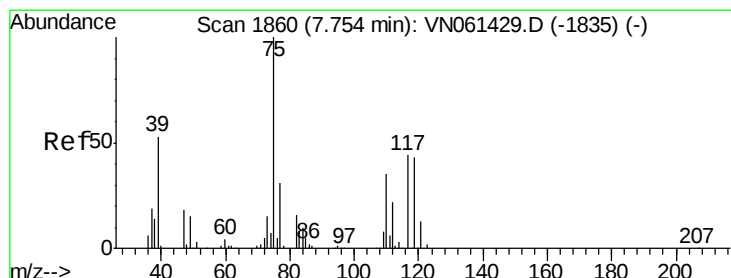
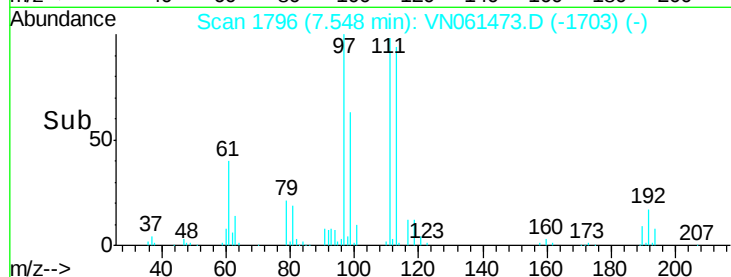
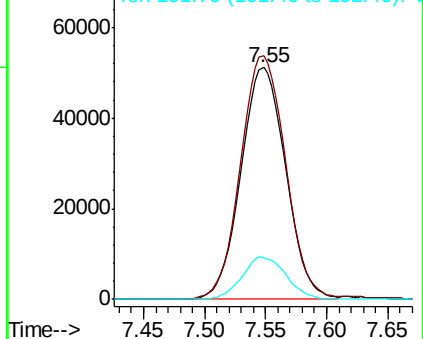
192 18.0 13.2 19.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.462 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

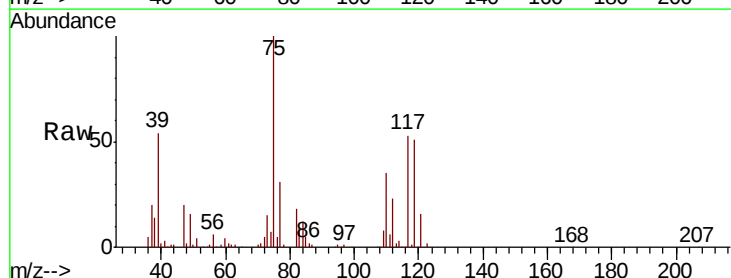
Tgt Ion: 75 Resp: 223424

Ion Ratio Lower Upper

75 100

110 35.5 17.3 51.9

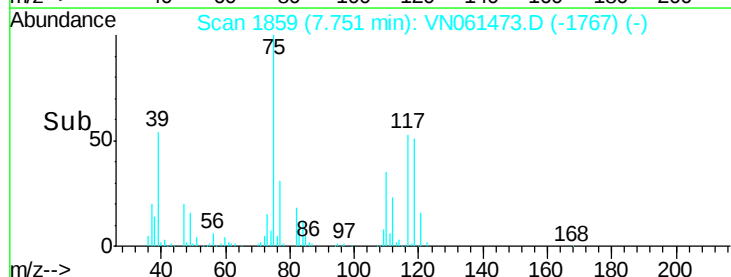
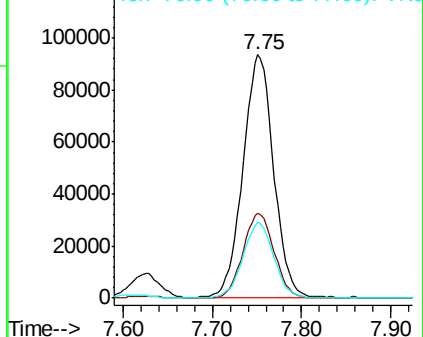
77 31.5 24.9 37.3

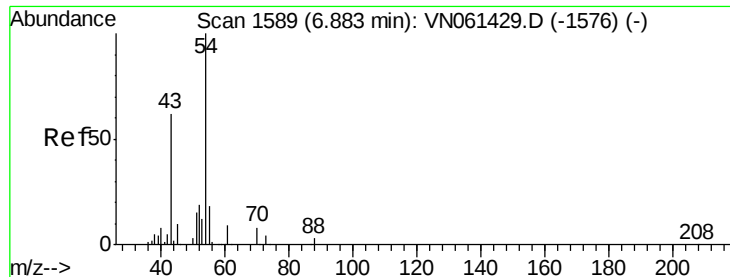


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

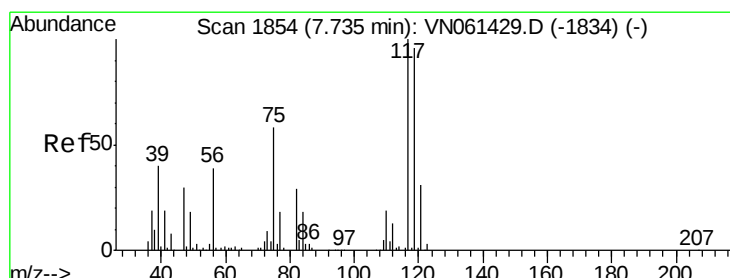
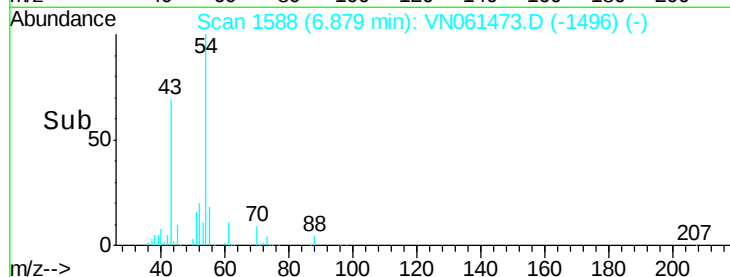
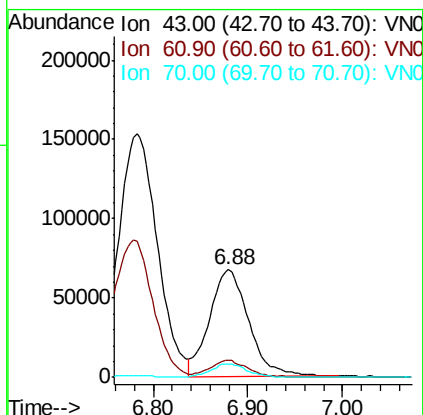
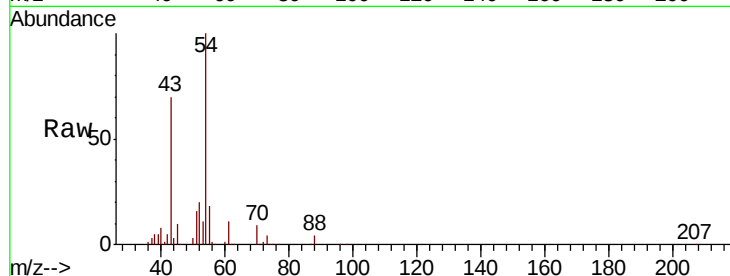




#37
Ethyl Acetate
Concen: 44.602 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

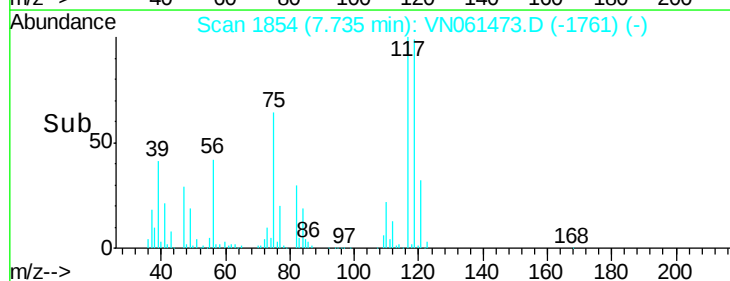
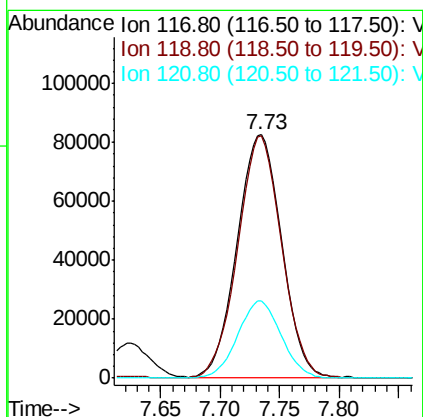
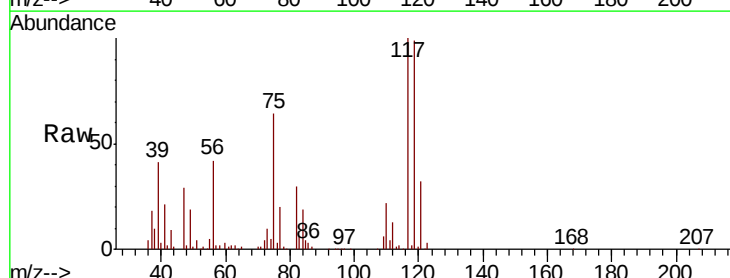
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

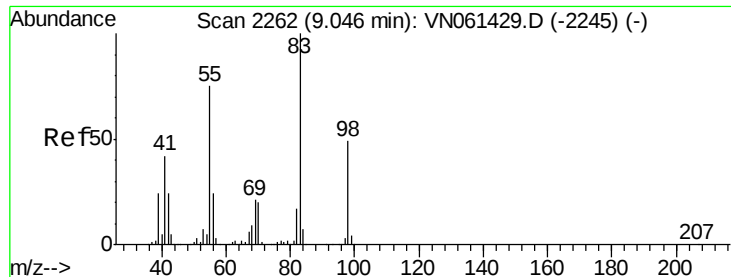
Tot Ion: 43 Resp: 194510
Ion Ratio Lower Upper
43 100
61 14.4 11.7 17.5
70 11.9 9.2 13.8



#38
Carbon Tetrachloride
Concen: 48.043 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion: 117 Resp: 212730
Ion Ratio Lower Upper
117 100
119 99.4 77.0 115.6
121 31.6 24.7 37.1

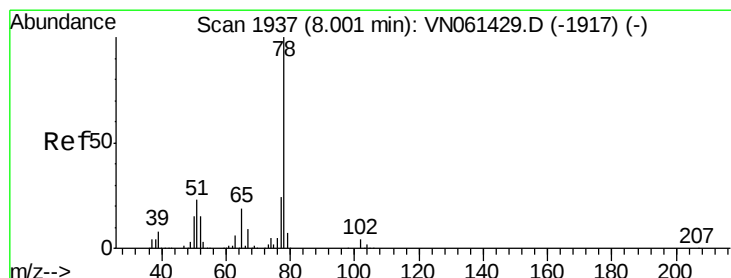
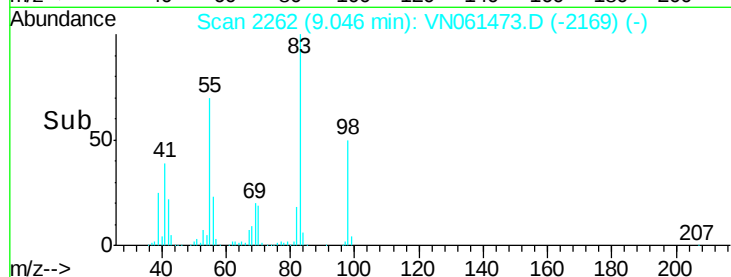
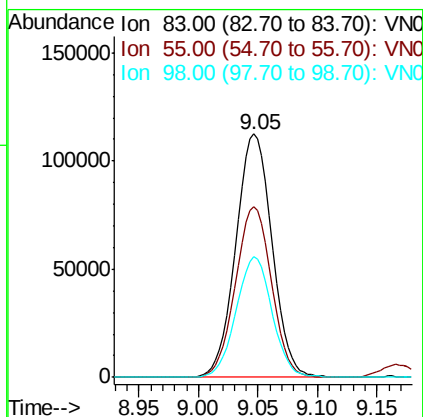
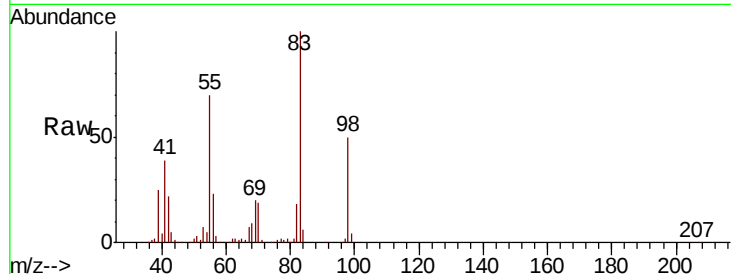




#39
Methvlcvclohexane
Concen: 40.518 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

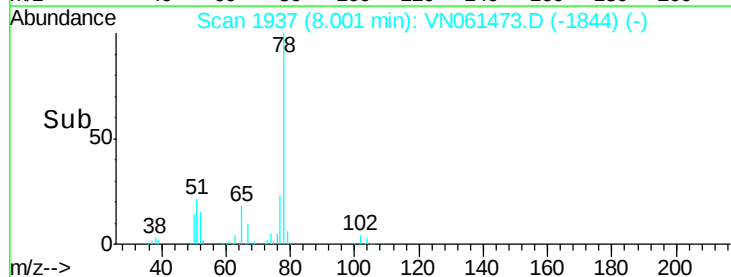
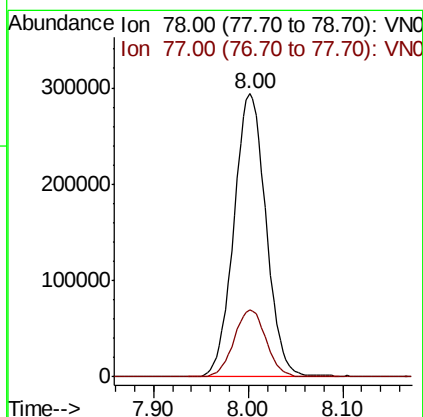
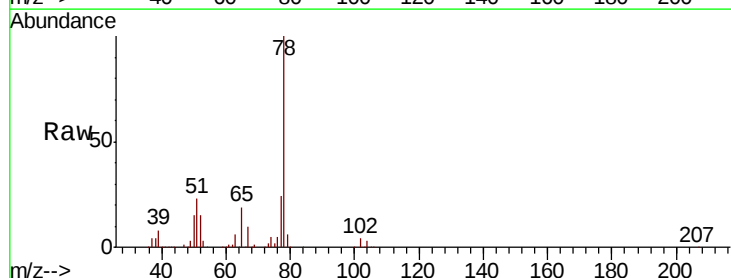
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 237978
Ion Ratio Lower Upper
83 100
55 70.2 59.7 89.5
98 49.6 38.9 58.3



#40
Benzene
Concen: 47.927 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion: 78 Resp: 694541
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7

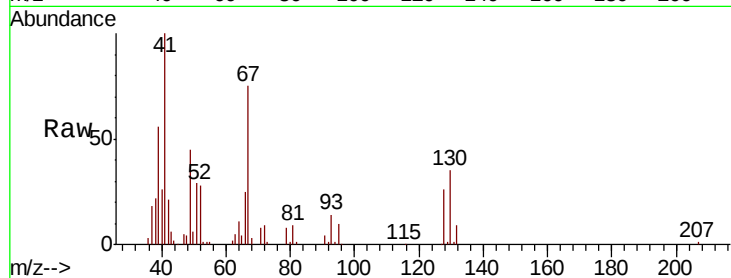




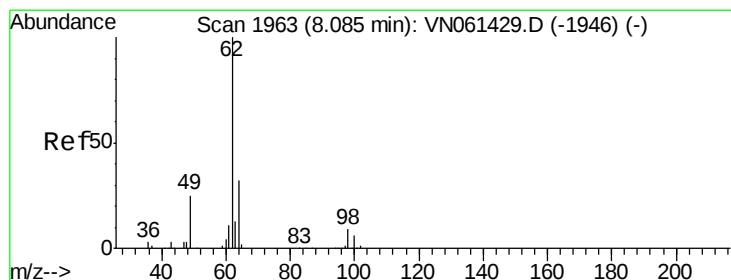
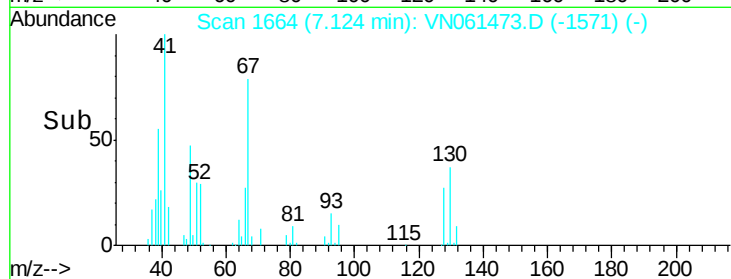
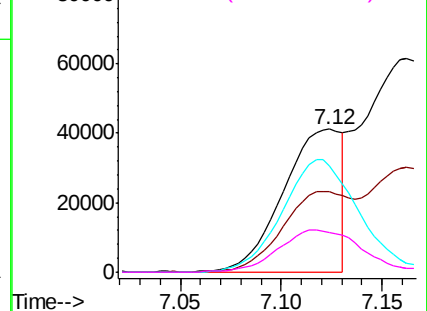
#41
Methacrylonitrile
Concen: 45.182 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	83221
Ion	Ratio	Lower	Upper
41	100		
39	65.3	48.3	72.5
67	104.6	74.2	111.4
52	42.6	30.8	46.2

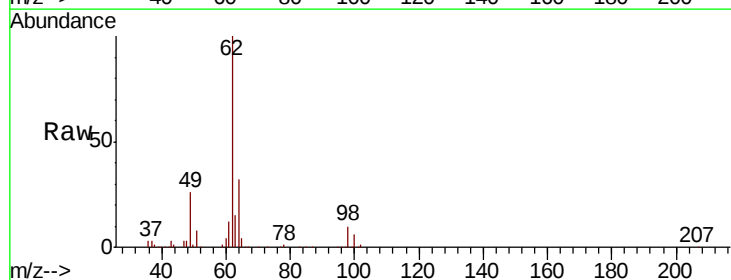


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

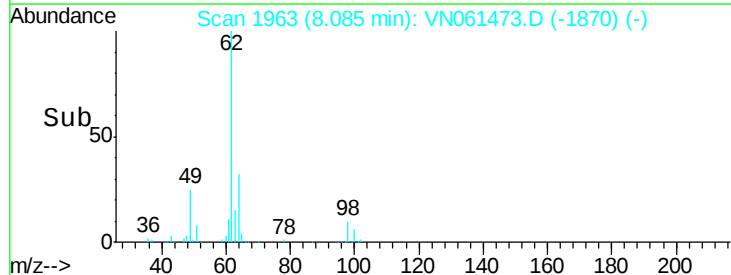
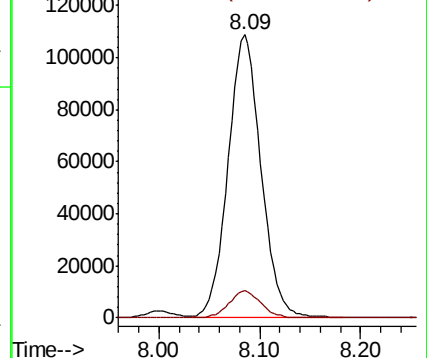


#42
1,2-Dichloroethane
Concen: 47.261 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion:	62	Resp:	246751
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 45.788 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

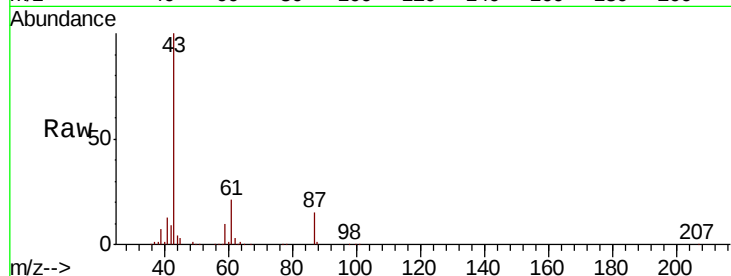
Tot Ion: 43 Resp: 348272

Ion Ratio Lower Upper

43 100

61 22.0 23.0 34.4#

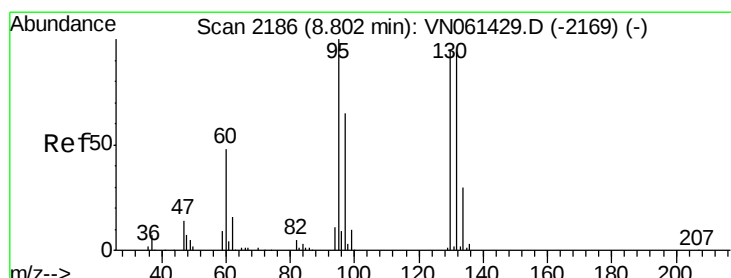
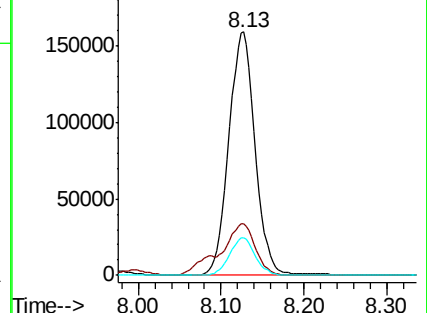
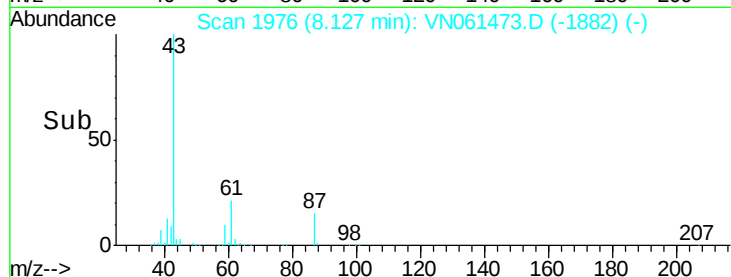
87 15.3 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061429.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061429.D (-1956) (-)



#44

Trichloroethene

Concen: 49.633 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061473.D

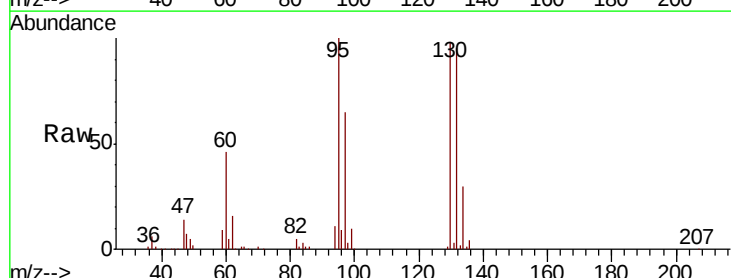
Acq: 19 May 2020 10:26

Tgt Ion: 130 Resp: 188463

Ion Ratio Lower Upper

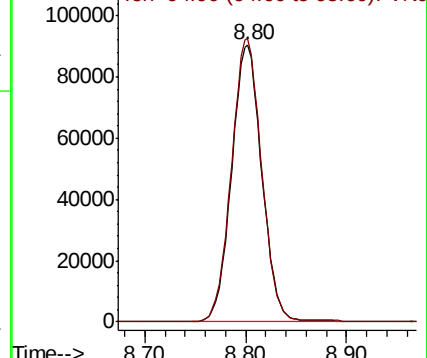
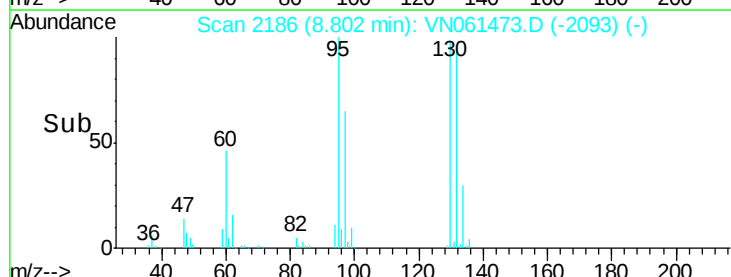
130 100

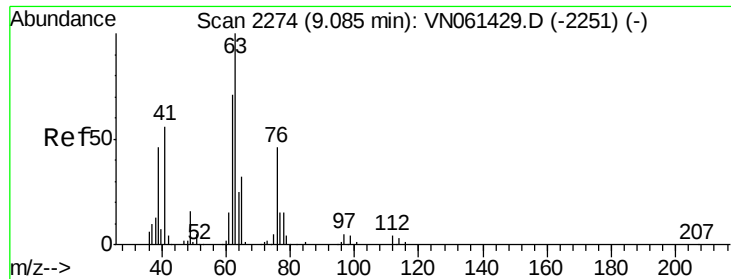
95 102.1 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061429.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061429.D (-2169) (-)





#45

1,2-Dichloropropane

Concen: 48.122 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

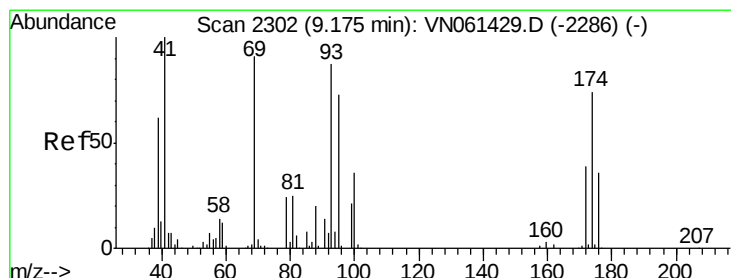
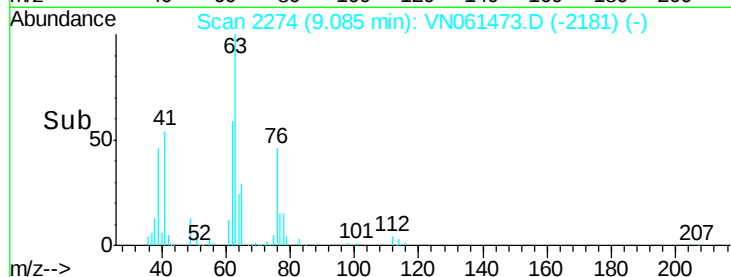
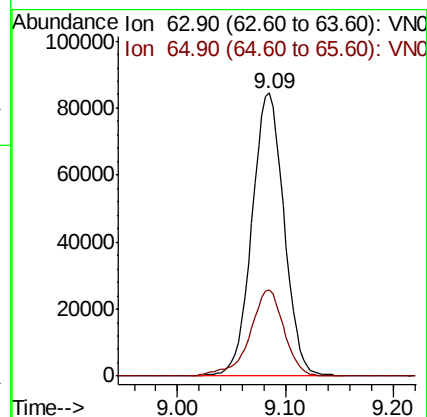
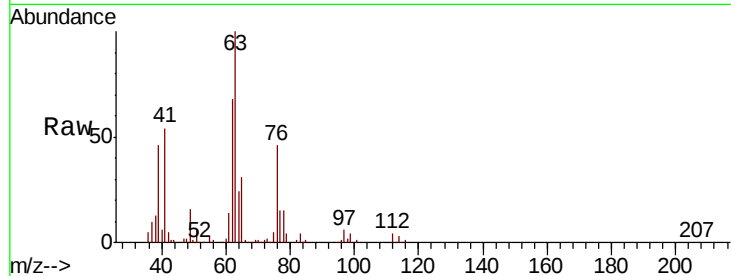
VSTDCCC050EC

Tot Ion: 63 Resp: 174550

Ion Ratio Lower Upper

63 100

65 30.5 25.2 37.8



#46

Dibromomethane

Concen: 49.331 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

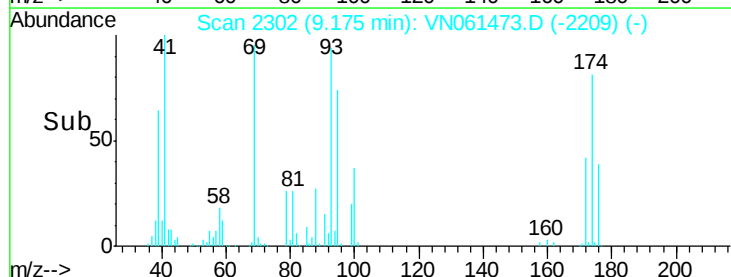
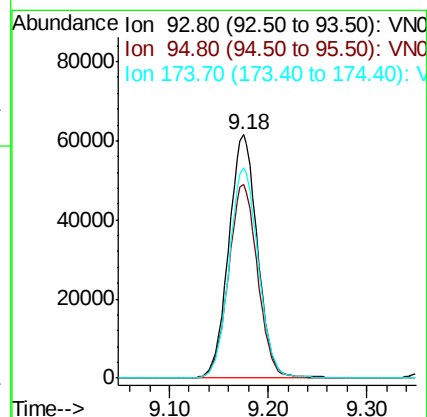
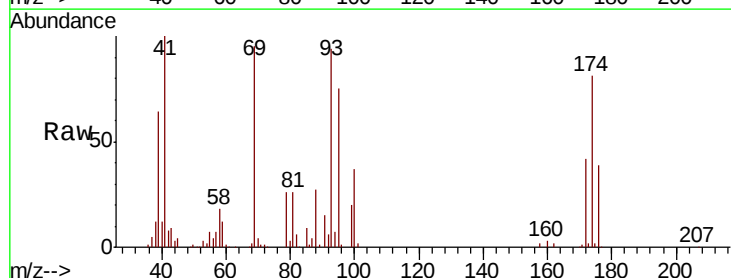
Tgt Ion: 93 Resp: 125441

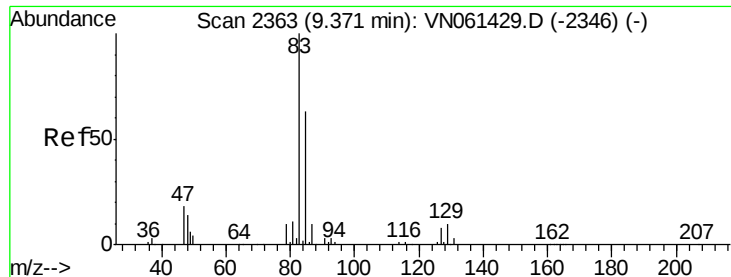
Ion Ratio Lower Upper

93 100

95 80.6 65.6 98.4

174 87.6 68.0 102.0





#47

Bromodichloromethane

Concen: 48.296 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

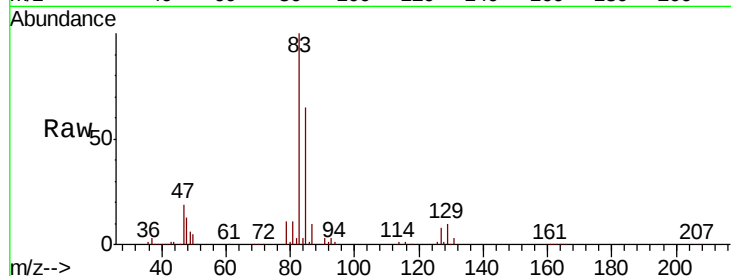
Tot Ion: 83 Resp: 258751

Ion Ratio Lower Upper

83 100

85 64.6 50.6 76.0

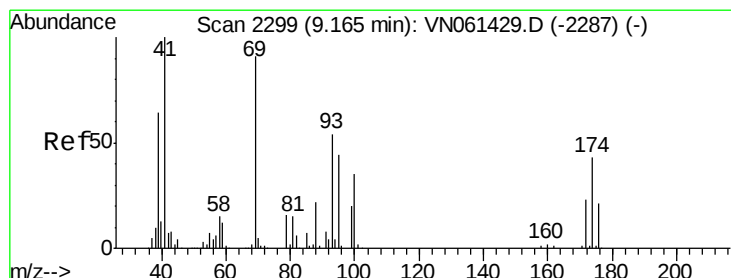
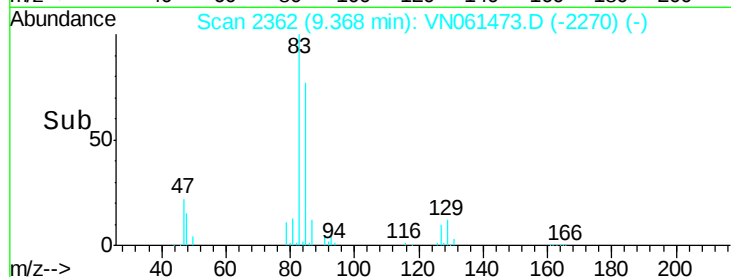
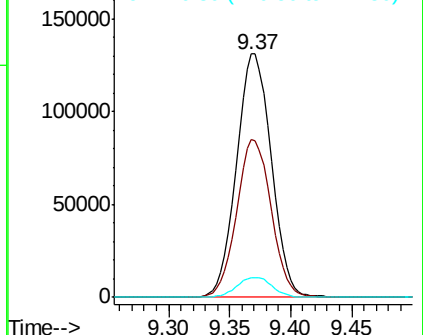
127 8.1 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061473.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061473.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061473.D (-2270) (-)



#48

Methyl methacrylate

Concen: 44.591 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

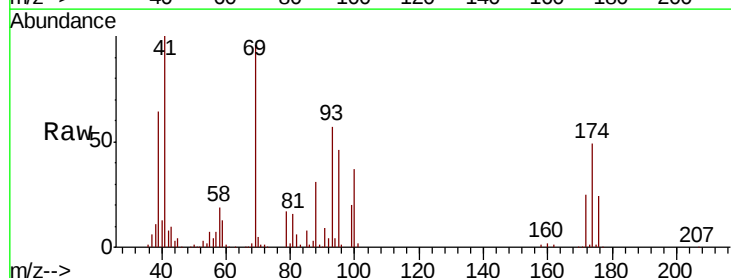
Tgt Ion: 41 Resp: 156680

Ion Ratio Lower Upper

41 100

69 98.9 75.3 112.9

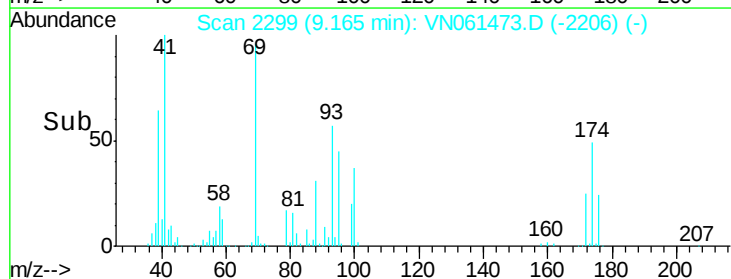
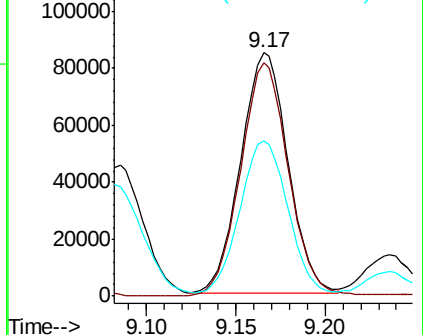
39 66.4 52.6 79.0

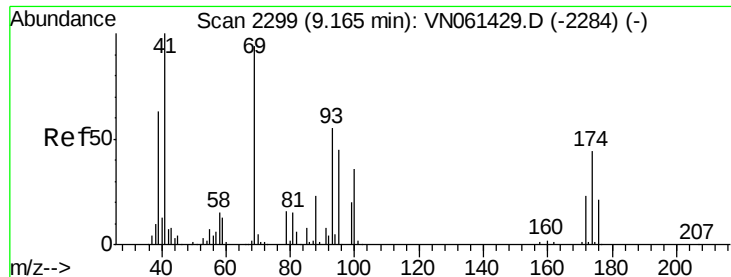


Abundance Ion 41.00 (40.70 to 41.70): VN061473.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061473.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061473.D (-2206) (-)

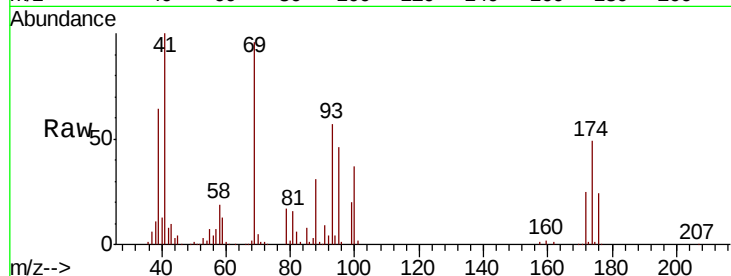




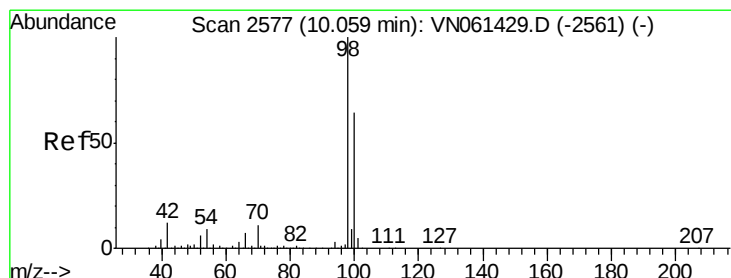
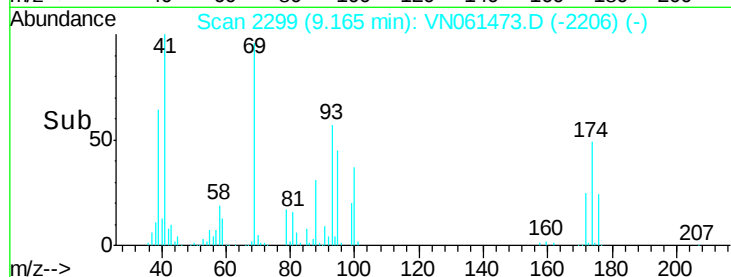
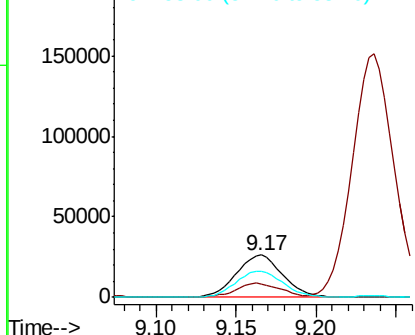
#49
1,4-Dioxane
Concen: 1419.894 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 51890
Ion Ratio Lower Upper
88 100
43 30.6 26.3 39.5
58 63.8 54.1 81.1

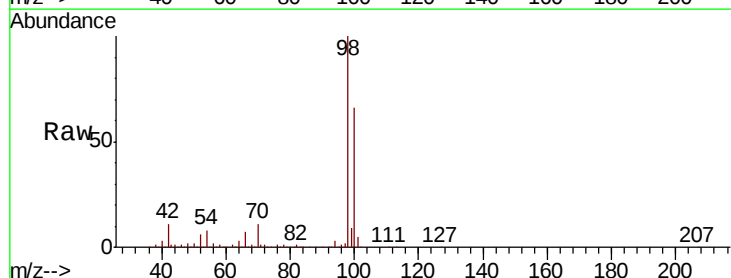


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

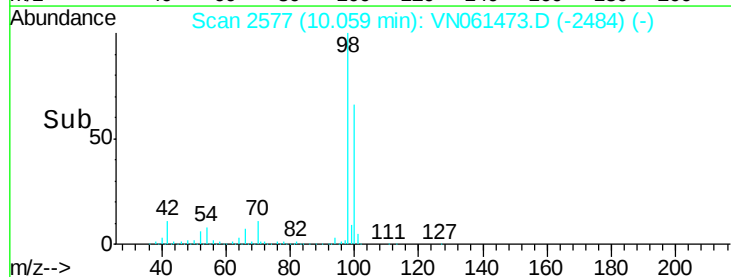
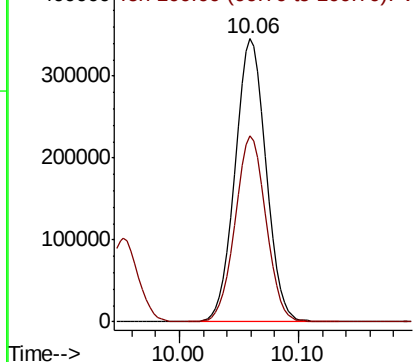


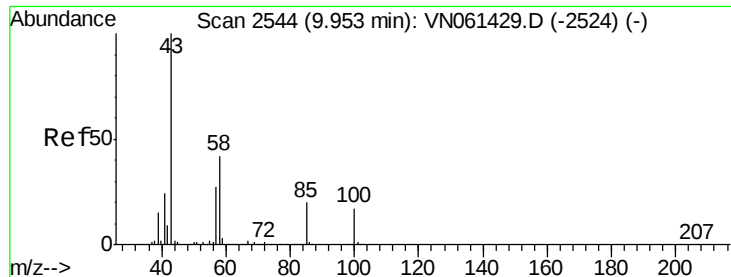
#50
Toluene-d8
Concen: 49.829 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion: 98 Resp: 622671
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 239.542 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

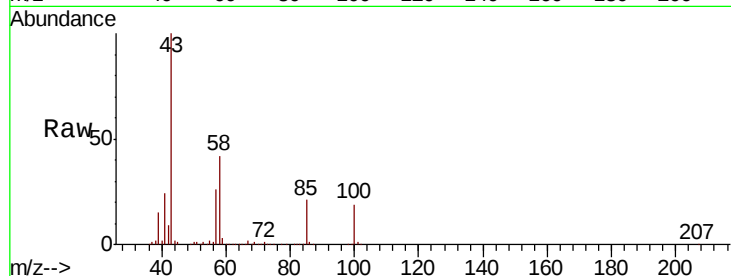
VSTDCCC050EC

Tot Ion: 43 Resp: 992533

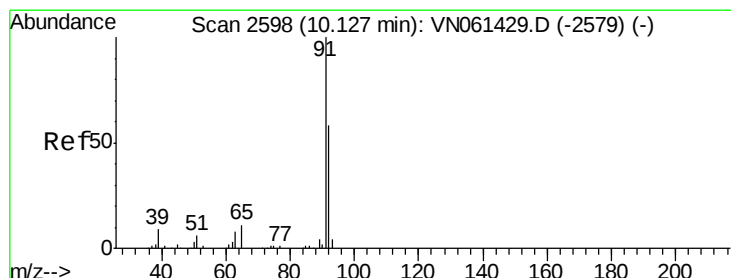
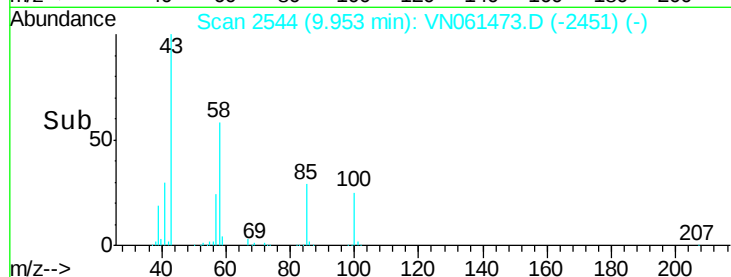
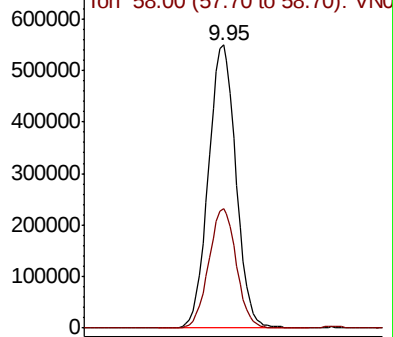
Ion Ratio Lower Upper

43 100

58 42.3 33.4 50.2



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-2524) (-)



#52

Toluene

Concen: 49.586 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061473.D

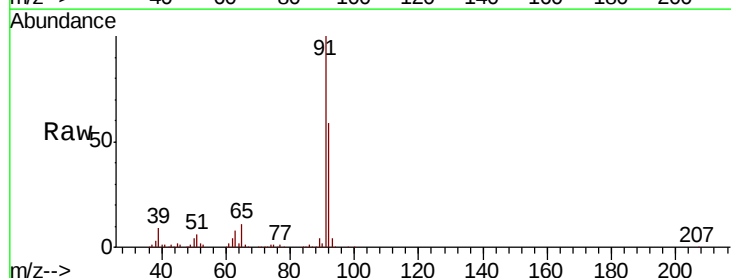
Acq: 19 May 2020 10:26

Tgt Ion: 92 Resp: 461330

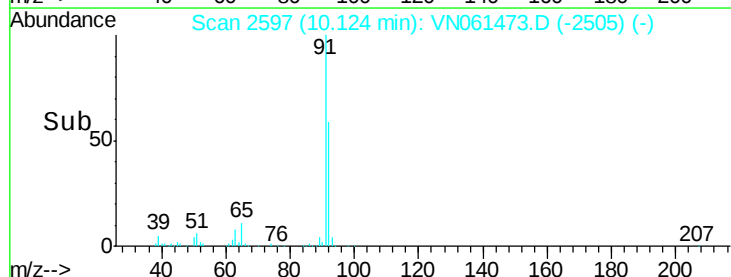
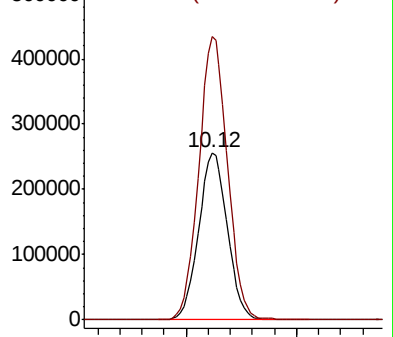
Ion Ratio Lower Upper

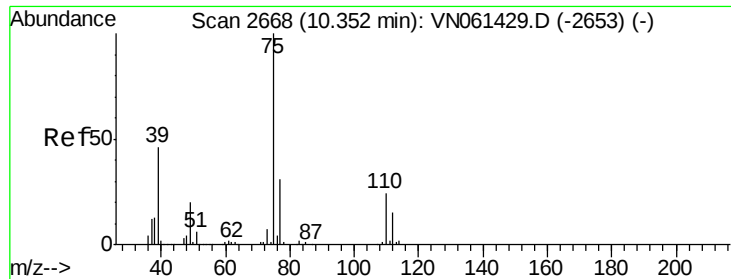
92 100

91 169.6 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN061429.D (-2579) (-)





#53

t-1,3-Dichloropropene

Concen: 45.989 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

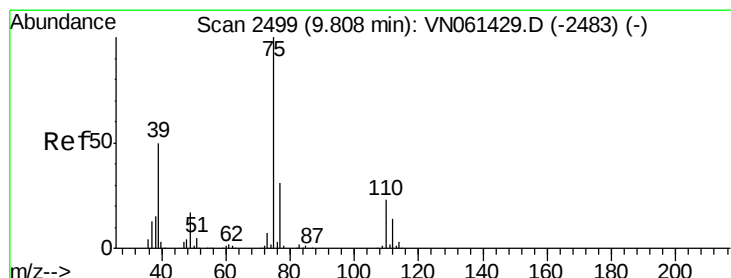
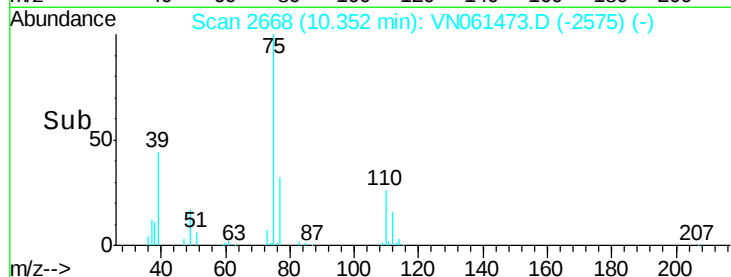
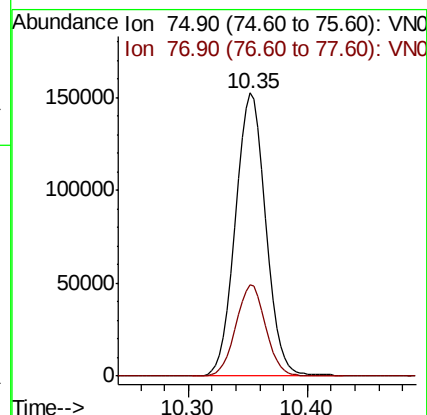
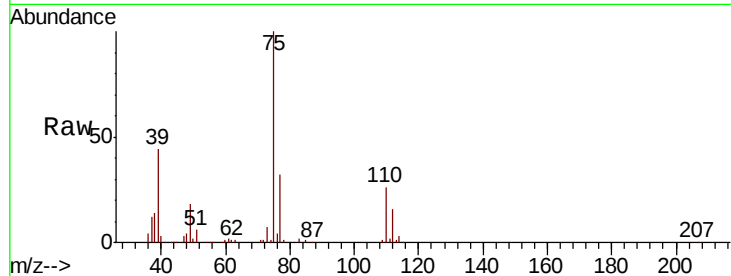
VSTDCCC050EC

Tot Ion: 75 Resp: 270054

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 45.462 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

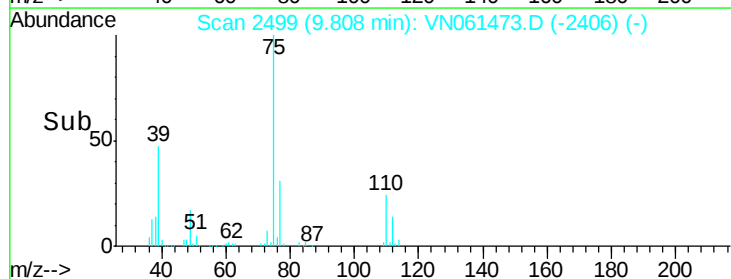
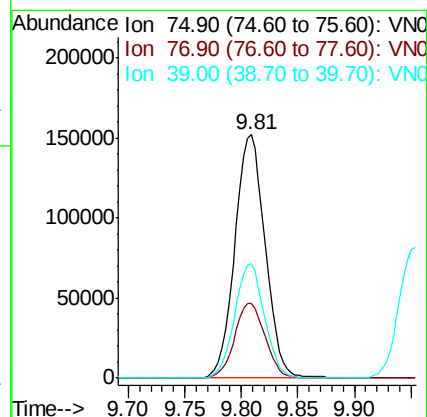
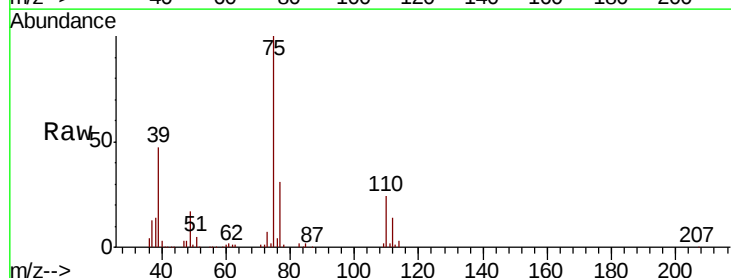
Tgt Ion: 75 Resp: 283782

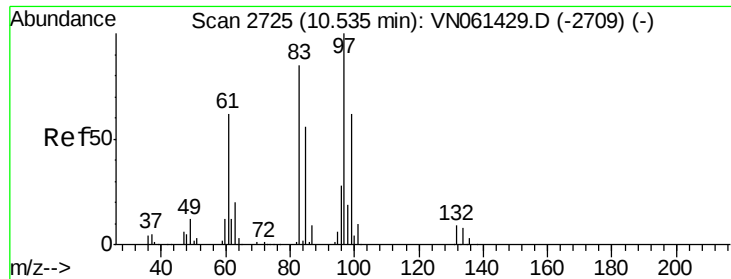
Ion Ratio Lower Upper

75 100

77 30.7 24.8 37.2

39 47.0 39.8 59.6

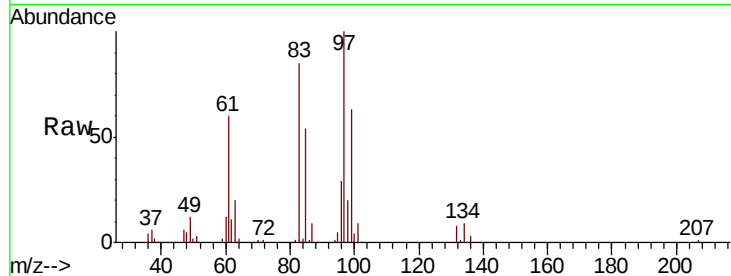




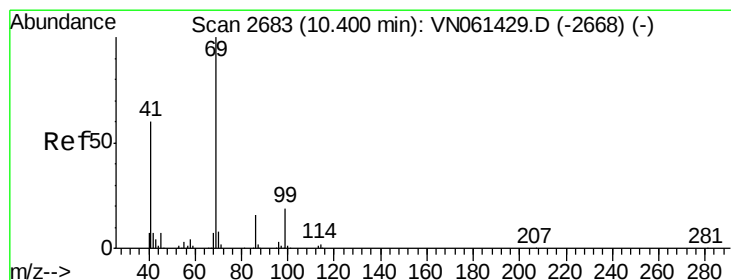
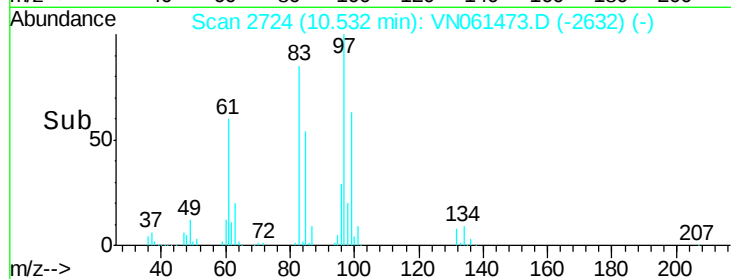
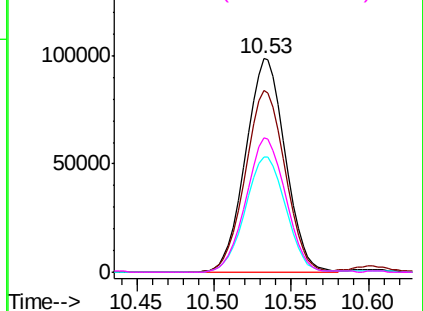
#55
 1,1,2-Trichloroethane
 Concen: 50.164 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	176448
Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.2	102.4
85	54.0	44.6	67.0
99	63.1	49.5	74.3

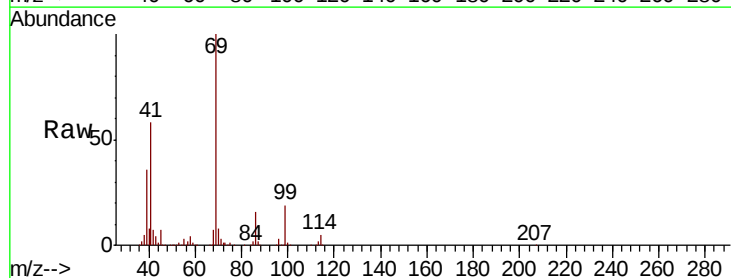


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

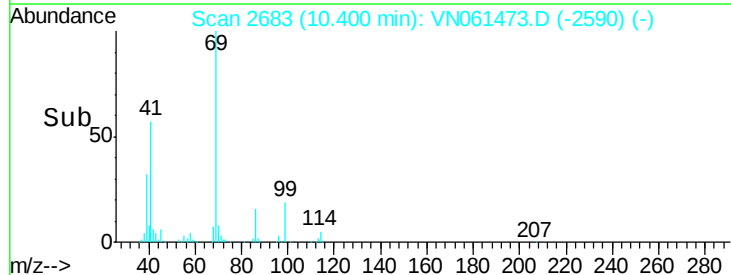
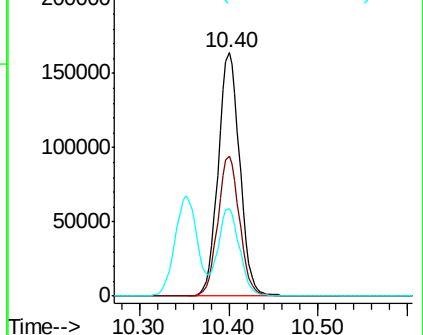


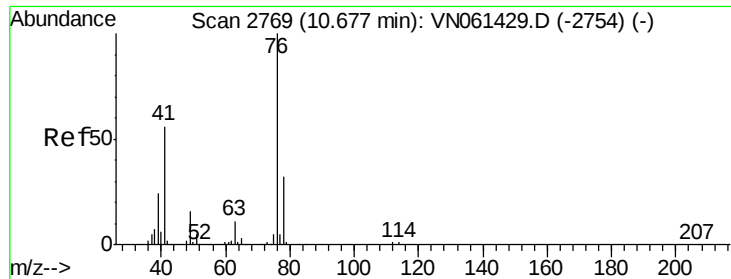
#56
 Ethyl methacrylate
 Concen: 49.927 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion:	69	Resp:	274554
Ion	Ratio	Lower	Upper
69	100		
41	57.4	48.3	72.5
39	35.7	30.2	45.2



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

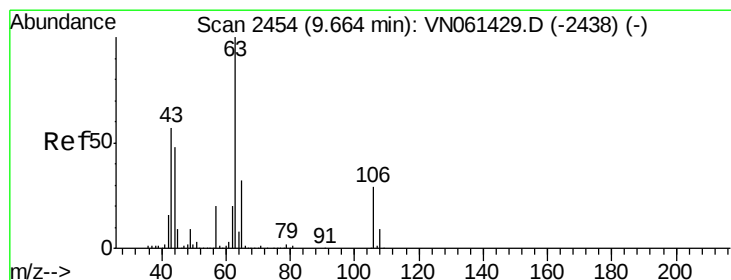
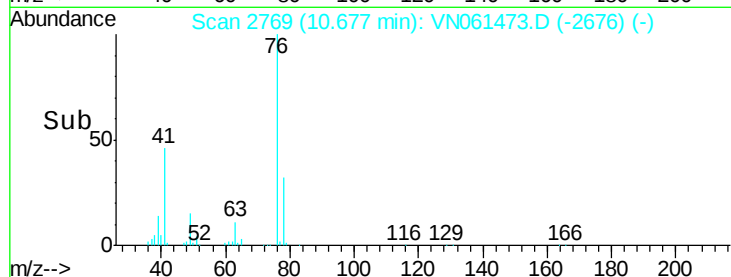
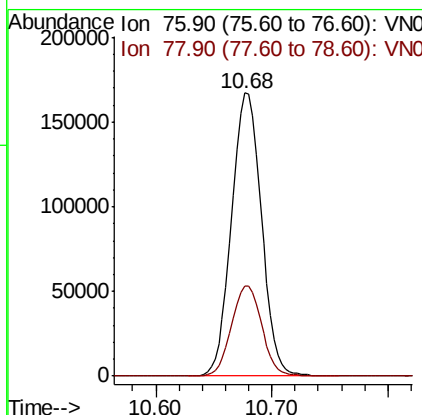
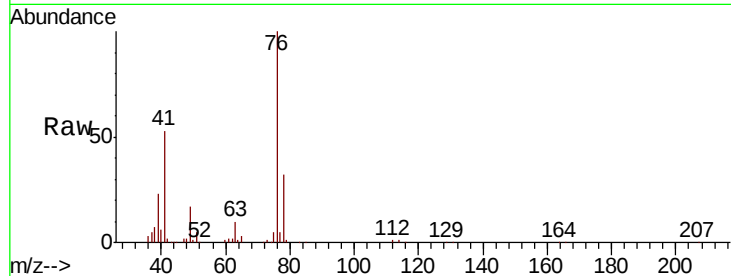




#57
 1,3-Dichloropropane
 Concen: 49.141 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

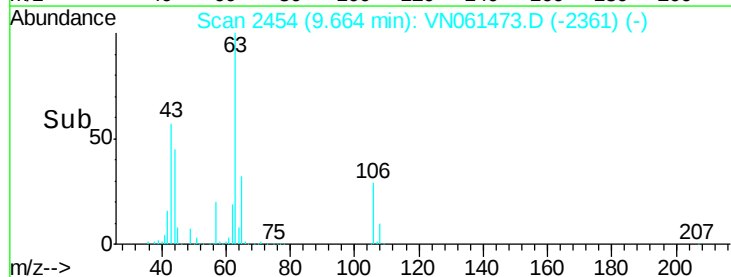
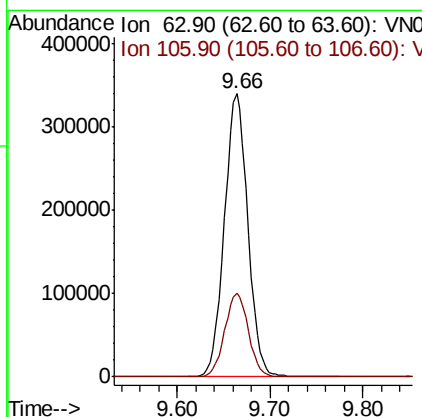
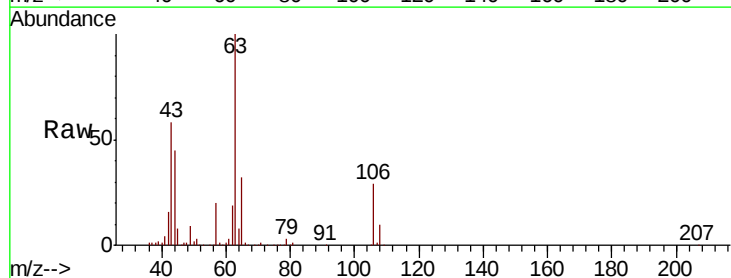
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

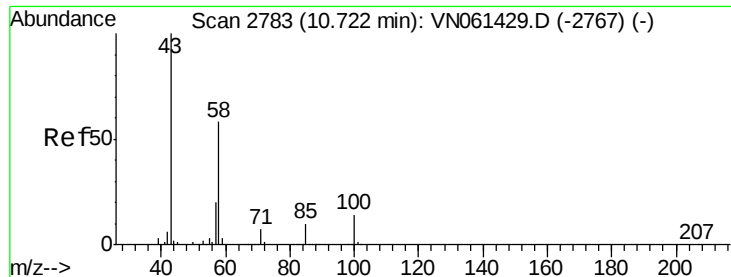
Tot Ion: 76 Resp: 298719
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.011 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion: 63 Resp: 596228
 Ion Ratio Lower Upper
 63 100
 106 29.9 22.7 34.1

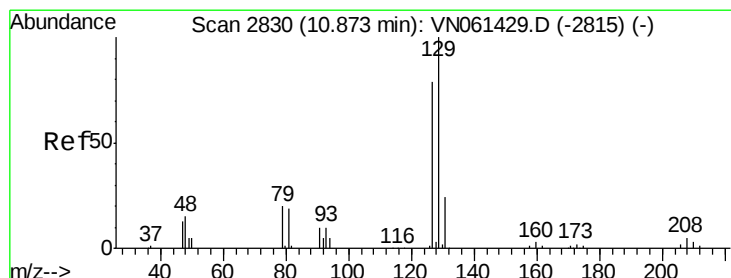
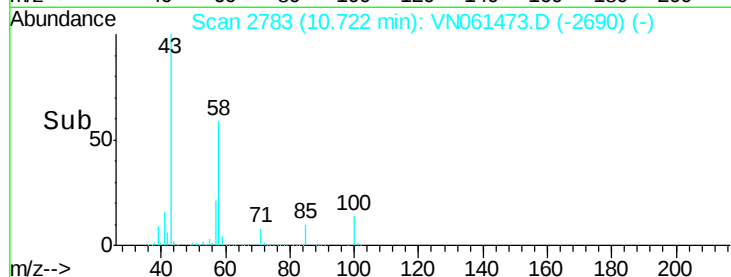
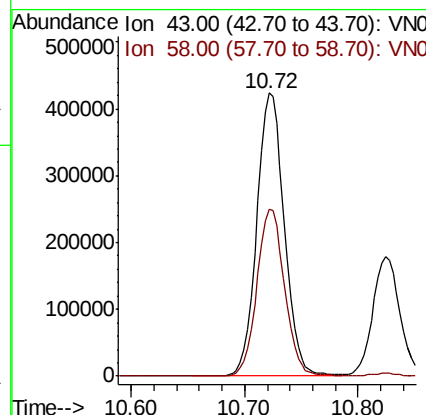
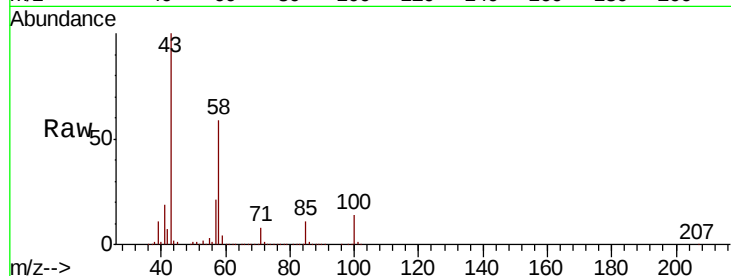




#59
2-Hexanone
Concen: 238.323 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

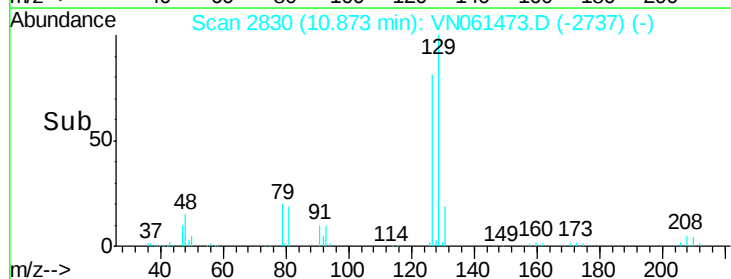
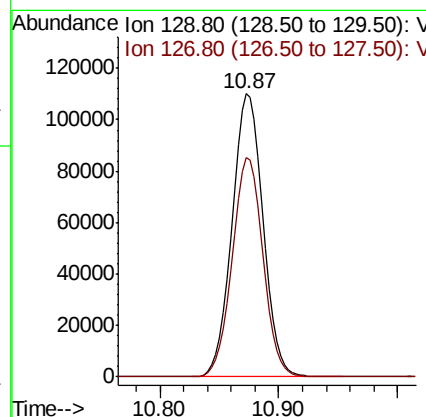
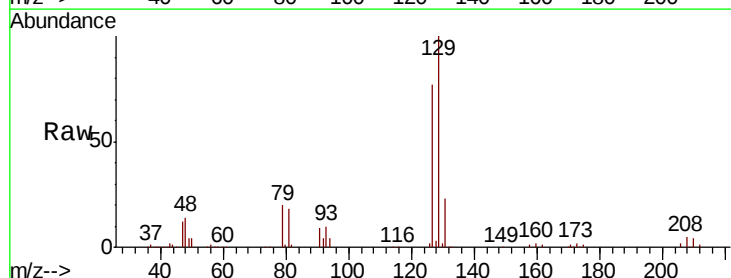
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

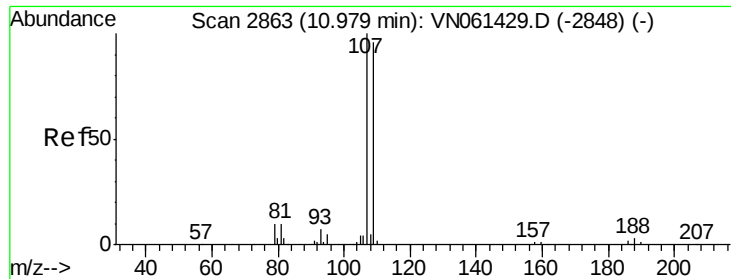
Tot Ion: 43 Resp: 714432
Ion Ratio Lower Upper
43 100
58 59.6 29.2 87.6



#60
Dibromochloromethane
Concen: 51.045 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion: 129 Resp: 198608
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.3

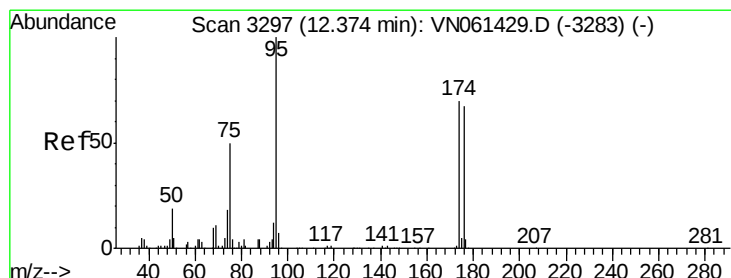
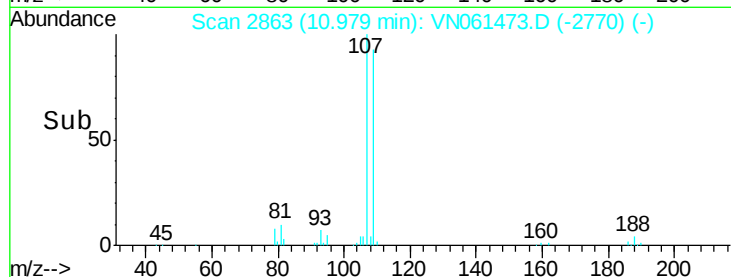
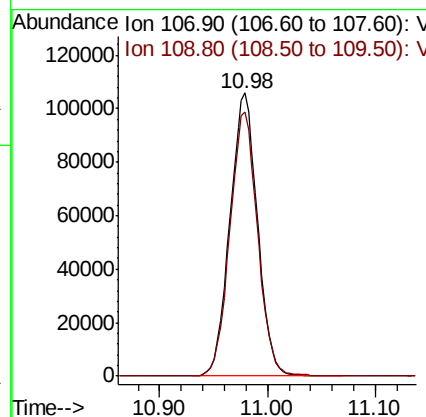
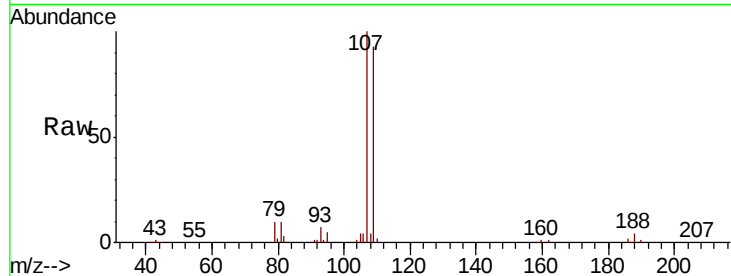




#61
 1,2-Dibromoethane
 Concen: 50.890 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

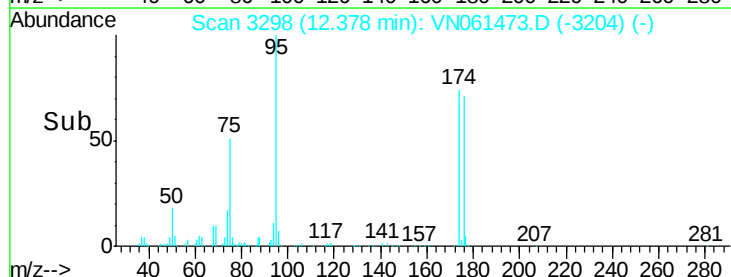
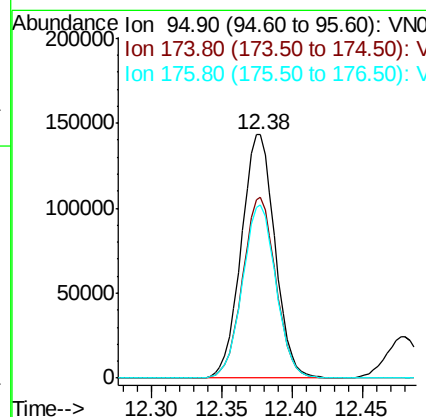
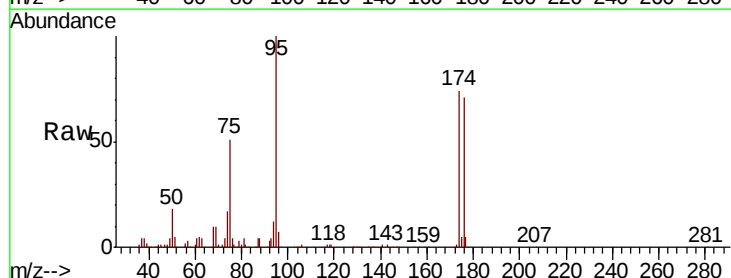
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

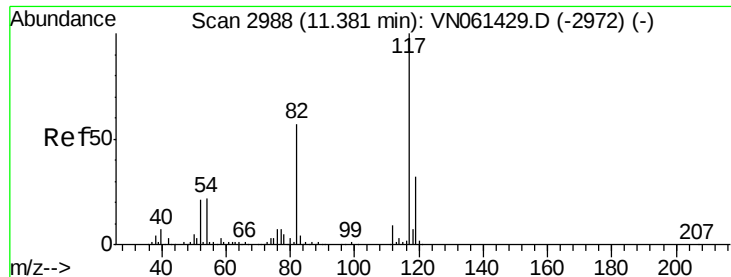
Tot Ion:107 Resp: 188209
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 51.451 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion: 95 Resp: 240207
 Ion Ratio Lower Upper
 95 100
 174 73.0 0.0 141.2
 176 70.6 0.0 137.6

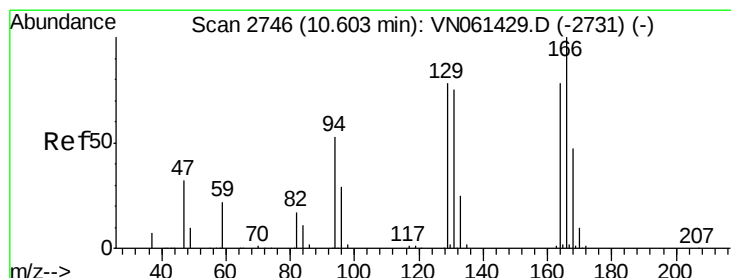
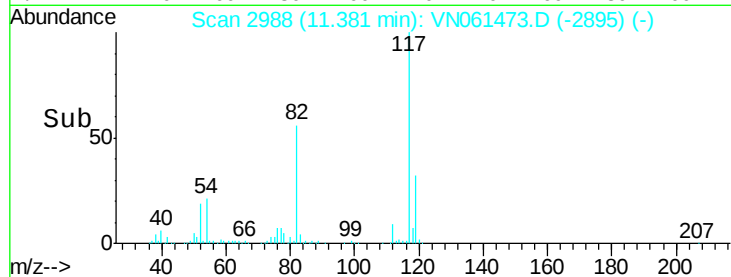
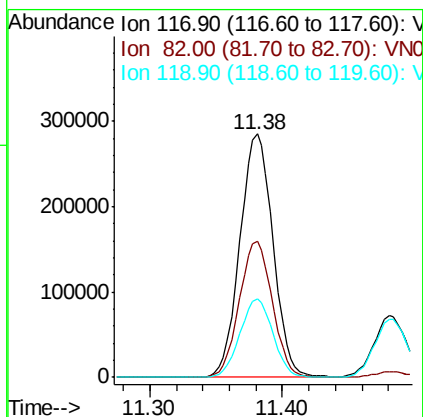
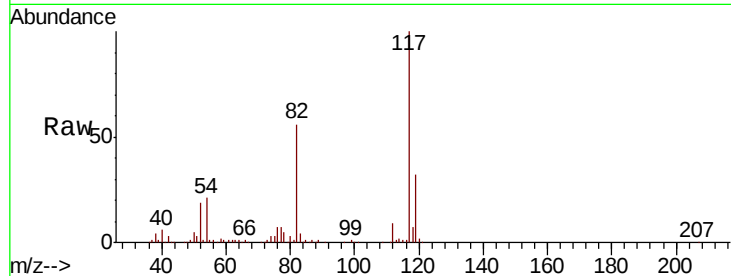




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

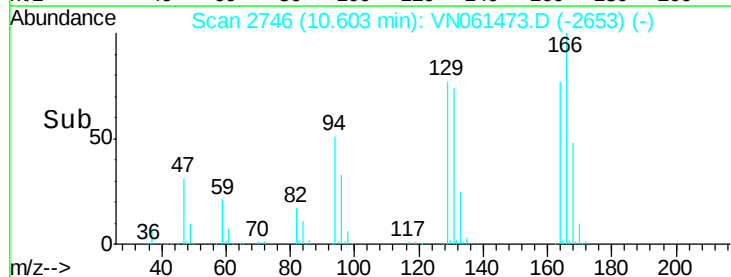
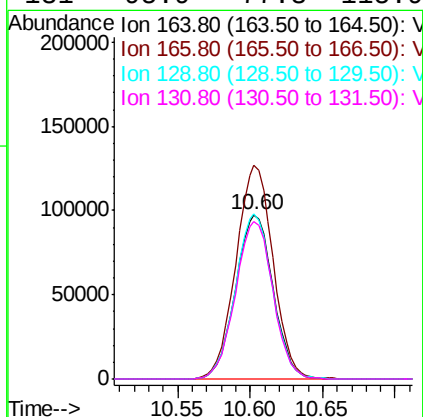
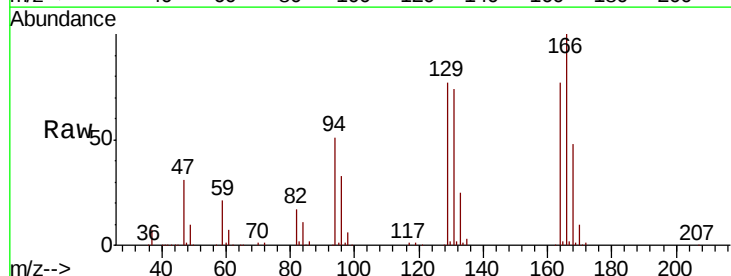
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

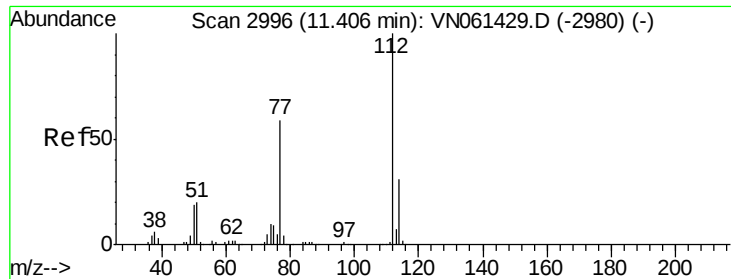
Tot Ion:117 Resp: 494066
Ion Ratio Lower Upper
117 100
82 55.8 45.2 67.8
119 32.1 25.3 37.9



#64
Tetrachloroethene
Concen: 45.944 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion:164 Resp: 175614
Ion Ratio Lower Upper
164 100
166 130.0 103.2 154.8
129 100.3 81.0 121.4
131 95.9 77.3 115.9

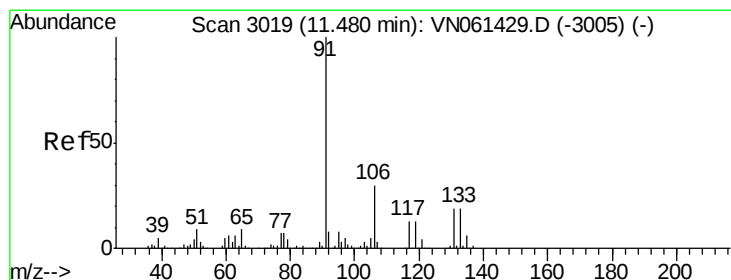
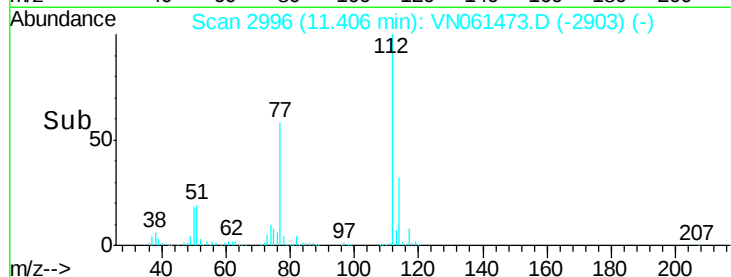
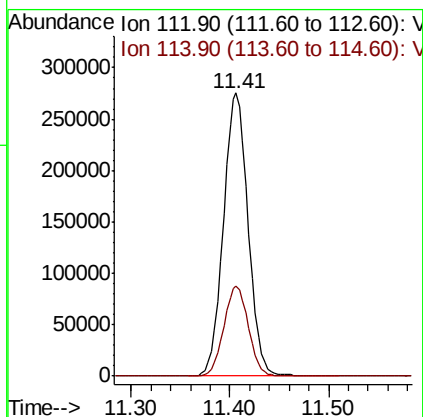
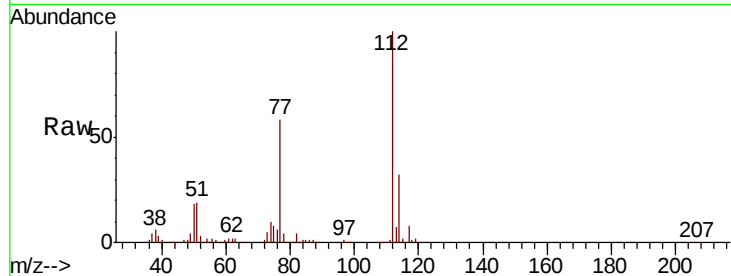




#65
Chlorobenzene
Concen: 47.872 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

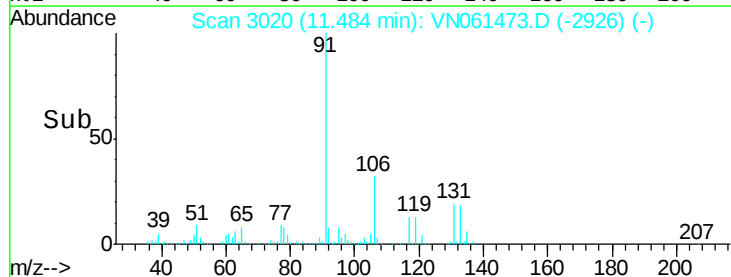
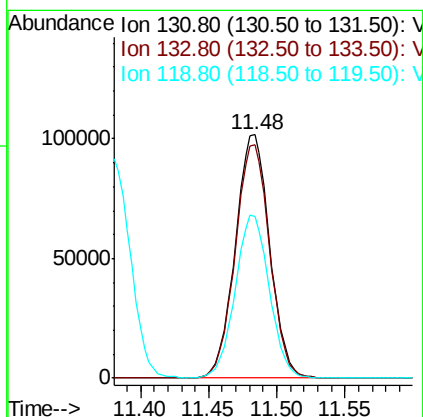
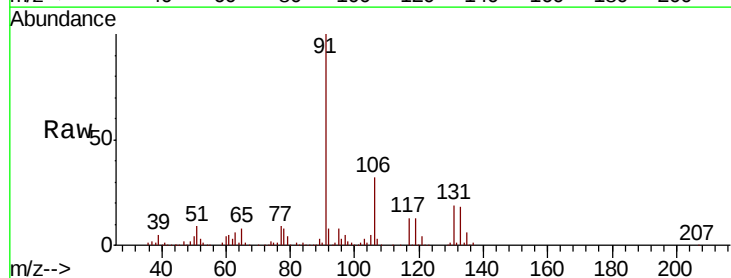
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

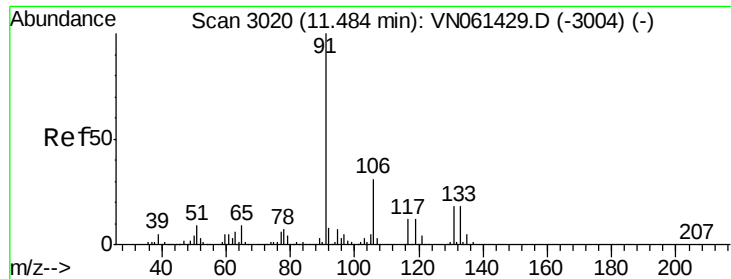
Tot Ion:112 Resp: 482318
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.322 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion:131 Resp: 178148
Ion Ratio Lower Upper
131 100
133 96.2 48.7 146.1
119 66.5 33.8 101.3

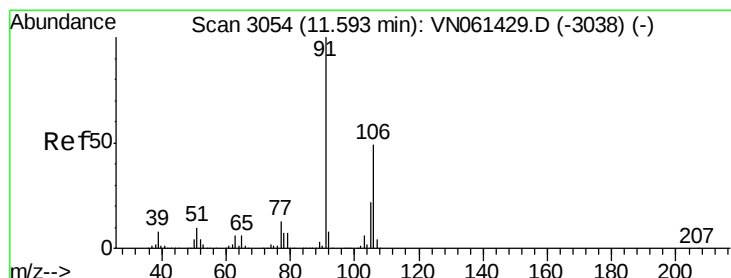
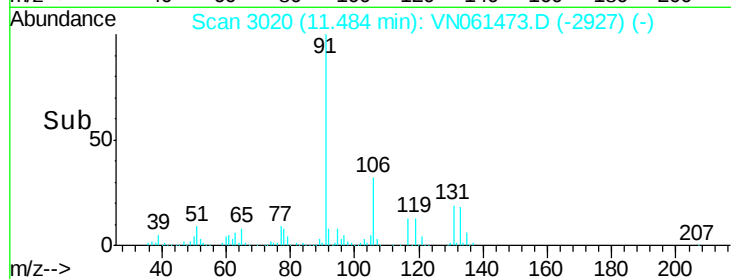
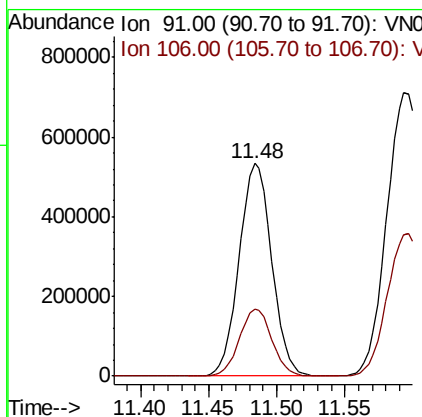
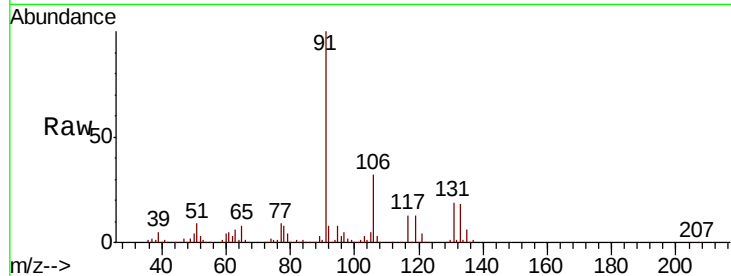




#67
Ethyl Benzene
Concen: 48.221 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

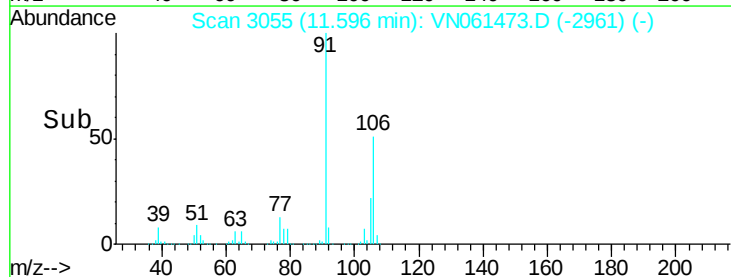
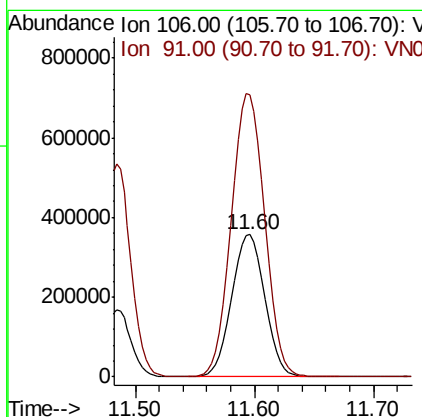
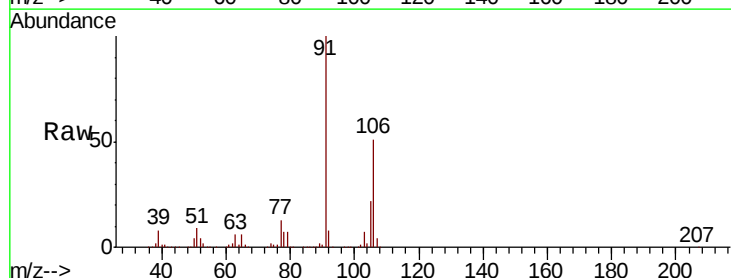
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

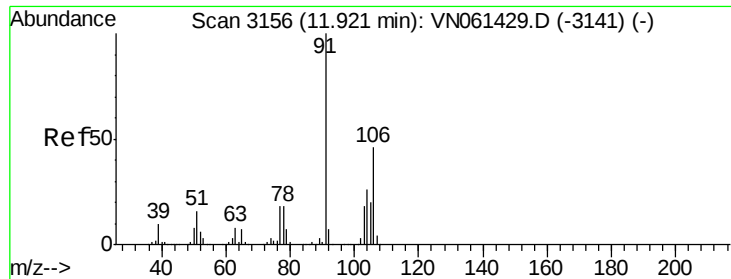
Tot Ion: 91 Resp: 886842
Ion Ratio Lower Upper
91 100
106 31.6 24.6 36.8



#68
m/p-Xylenes
Concen: 98.555 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion: 106 Resp: 687989
Ion Ratio Lower Upper
106 100
91 200.9 163.0 244.6

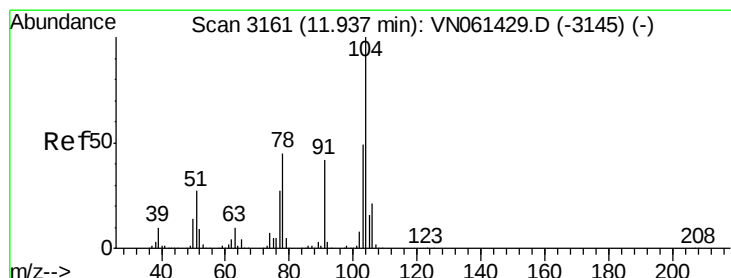
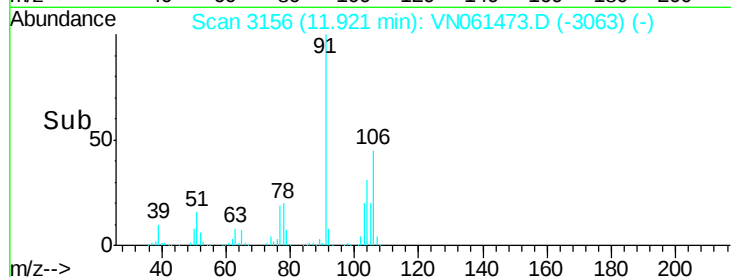
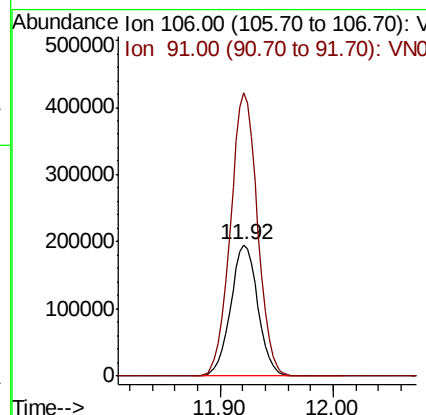
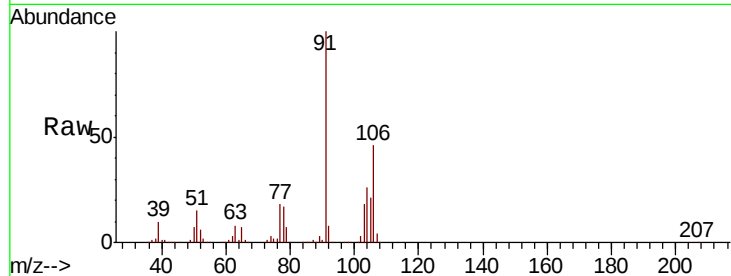




#69
o-Xylene
Concen: 48.283 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

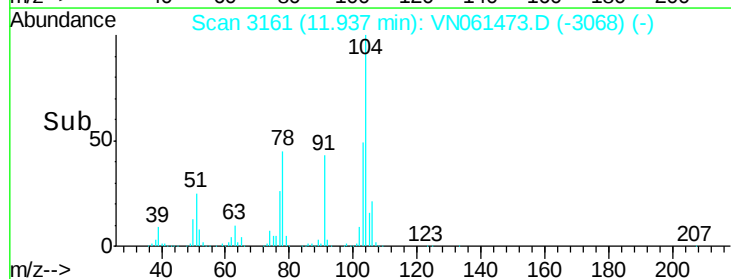
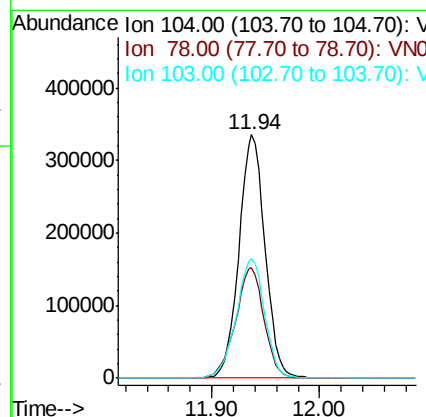
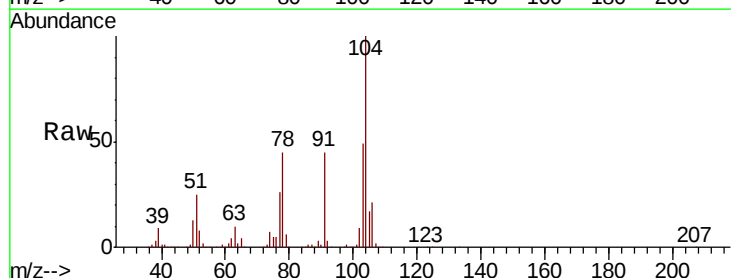
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

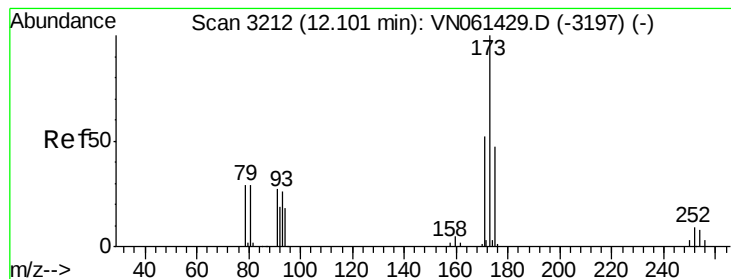
Tot Ion:106 Resp: 326171
Ion Ratio Lower Upper
106 100
91 214.4 107.9 323.7



#70
Styrene
Concen: 50.469 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion:104 Resp: 564586
Ion Ratio Lower Upper
104 100
78 49.7 40.7 61.1
103 53.2 43.0 64.4





#71

Bromoform

Concen: 46.638 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

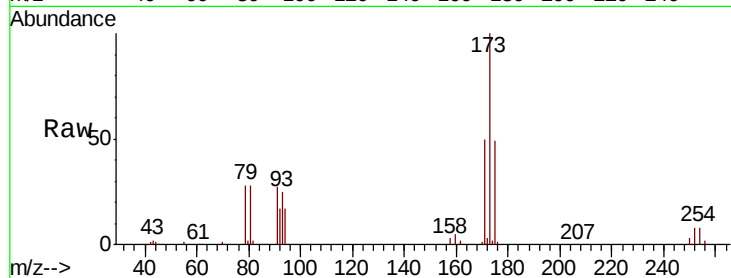
Tot Ion:173 Resp: 130596

Ion Ratio Lower Upper

173 100

175 48.8 23.9 71.8

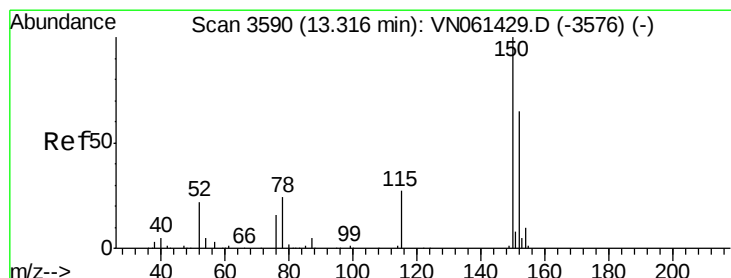
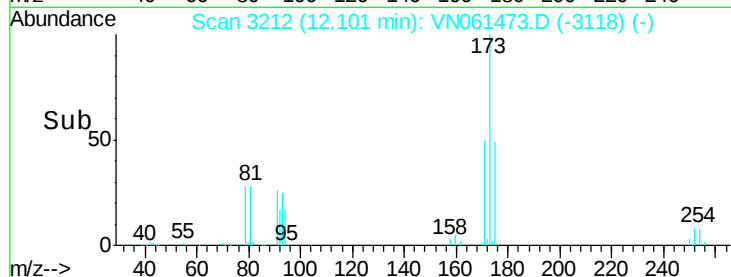
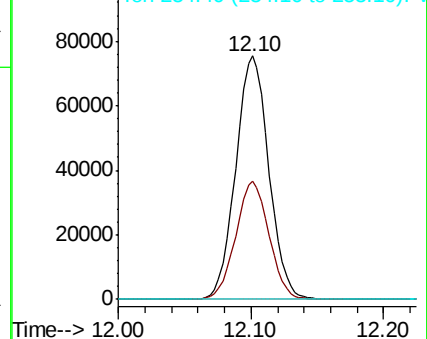
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

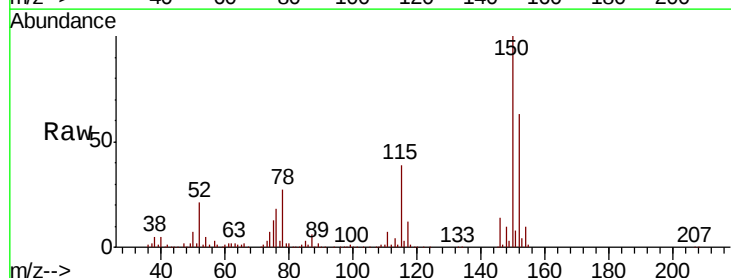
Tgt Ion:152 Resp: 238219

Ion Ratio Lower Upper

152 100

115 60.4 30.9 92.5

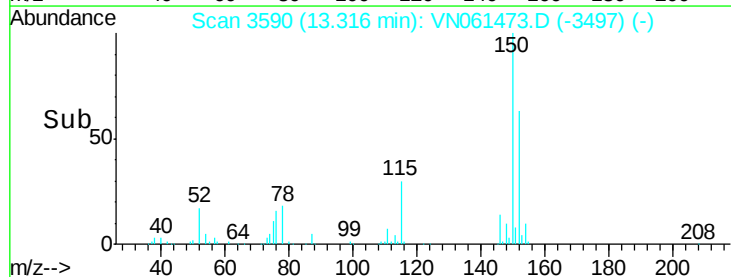
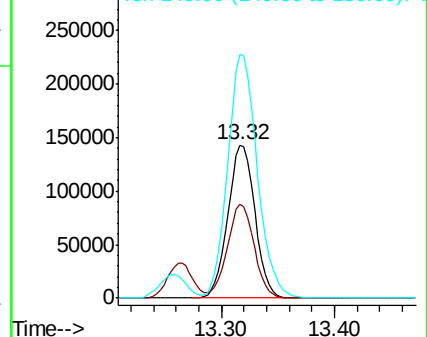
150 174.4 0.0 349.2

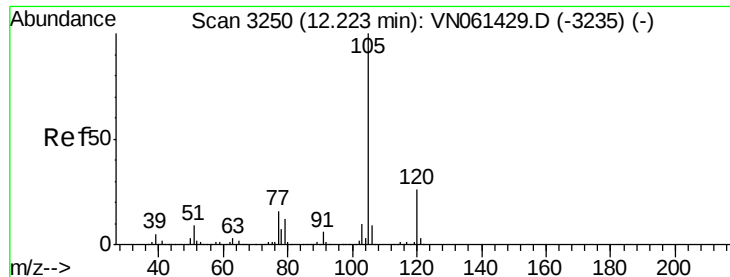


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.526 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

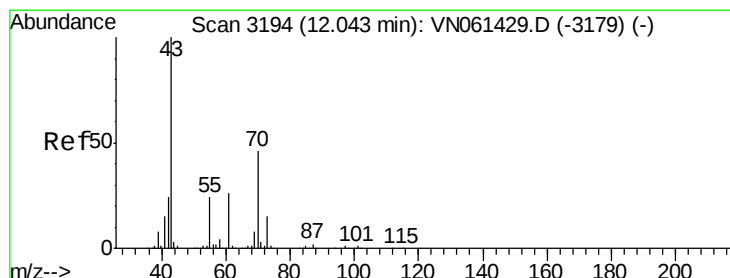
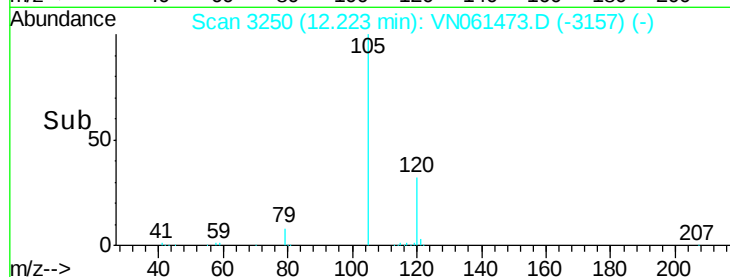
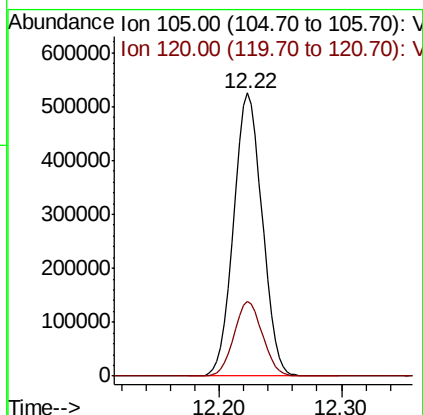
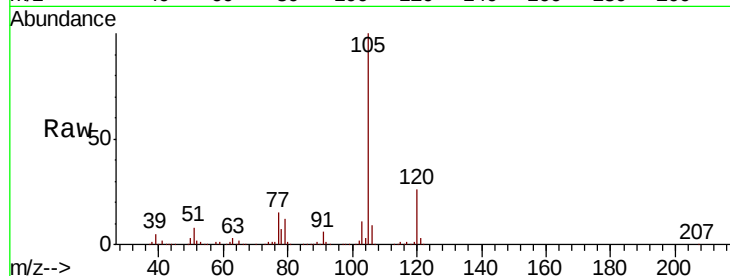
VSTDCCC050EC

Tot Ion:105 Resp: 851521

Ion Ratio Lower Upper

105 100

120 26.3 13.0 39.0



#74

N-ethyl acetate

Concen: 44.471 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Tgt Ion: 43 Resp: 311300

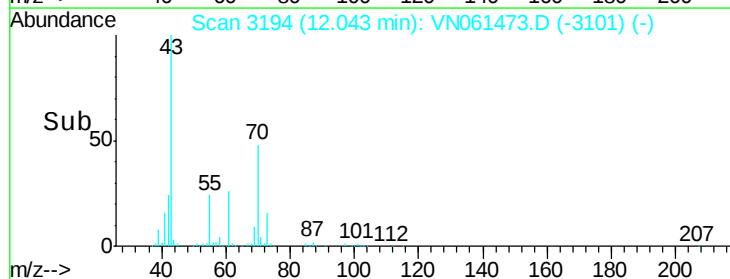
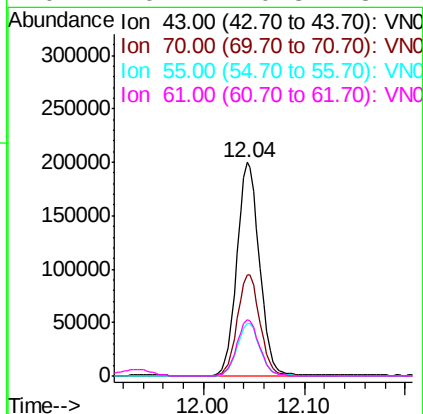
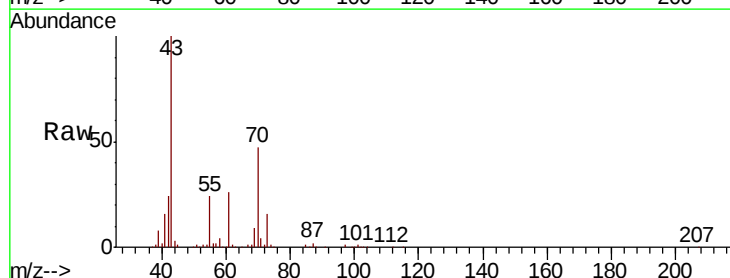
Ion Ratio Lower Upper

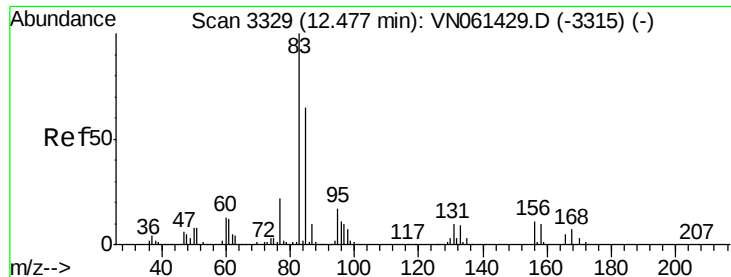
43 100

70 47.7 37.0 55.4

55 24.7 19.5 29.3

61 26.4 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.076 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

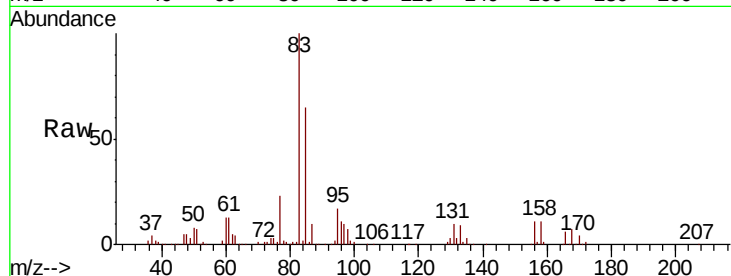
Tot Ion: 83 Resp: 242432

Ion Ratio Lower Upper

83 100

131 10.1 4.8 14.4

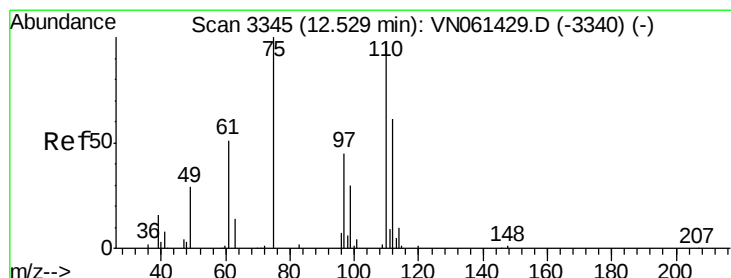
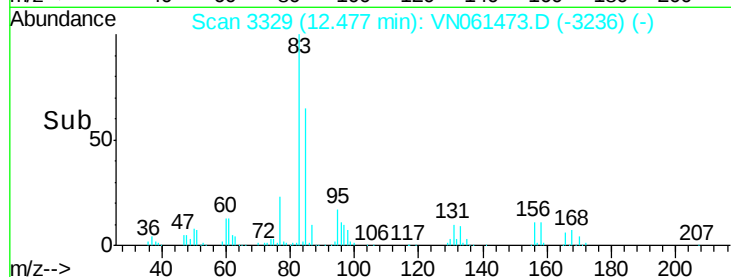
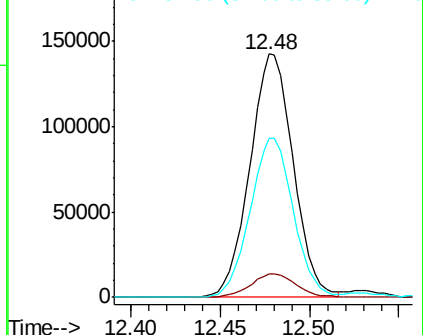
85 65.2 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN061473.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN061473.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN061473.D (-3236) (-)



#76

1,2,3-Trichloropropane

Concen: 61.541 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061473.D

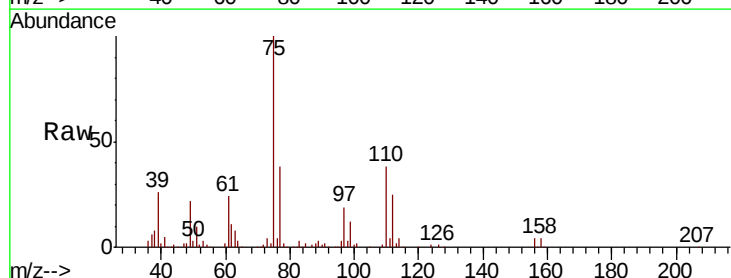
Acq: 19 May 2020 10:26

Tgt Ion: 75 Resp: 314572

Ion Ratio Lower Upper

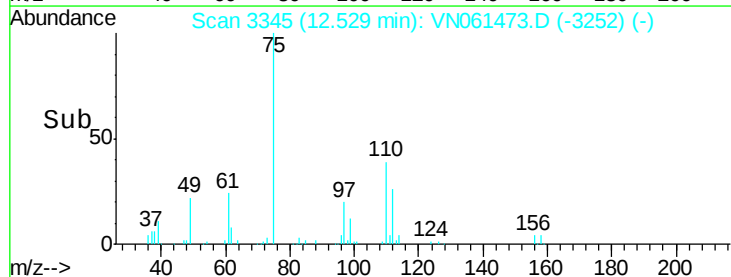
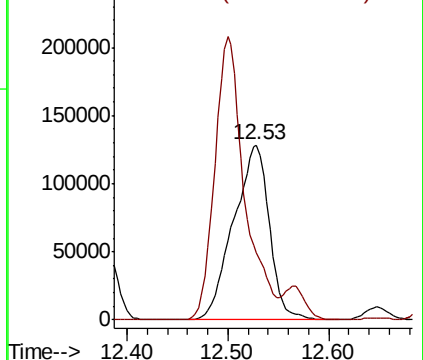
75 100

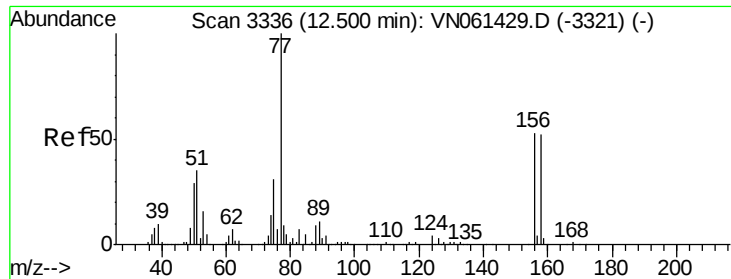
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061473.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061473.D (-3252) (-)





#77

Bromobenzene

Concen: 47.879 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

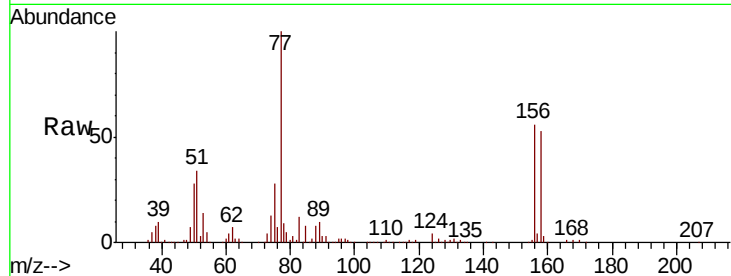
Tot Ion:156 Resp: 198717

Ion Ratio Lower Upper

156 100

77 215.9 112.3 336.9

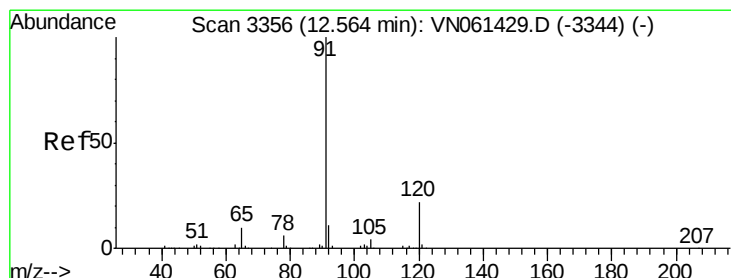
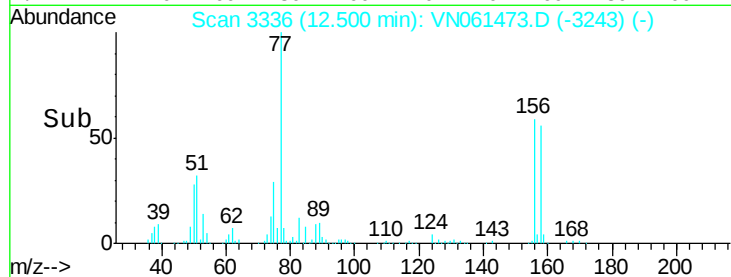
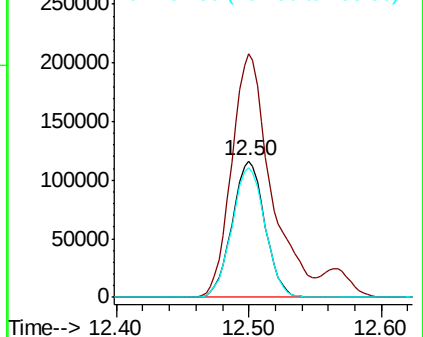
158 96.9 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.834 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061473.D

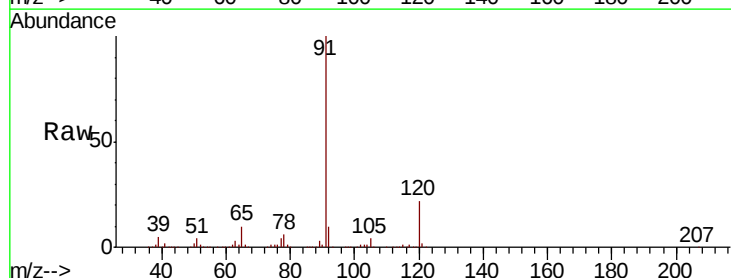
Acq: 19 May 2020 10:26

Tgt Ion: 91 Resp: 955149

Ion Ratio Lower Upper

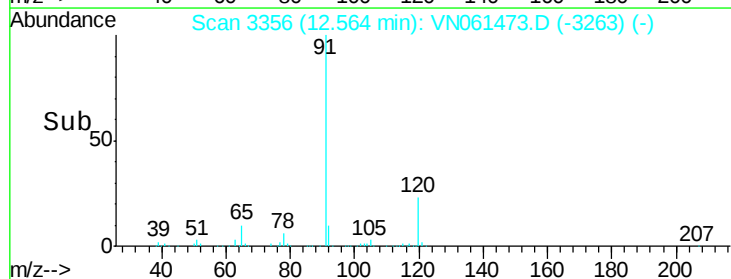
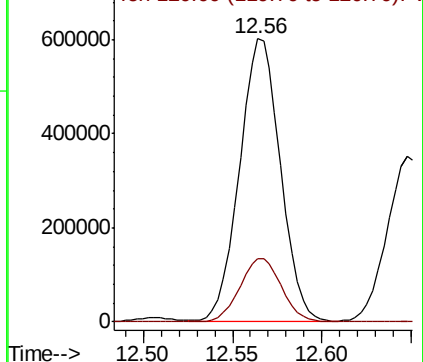
91 100

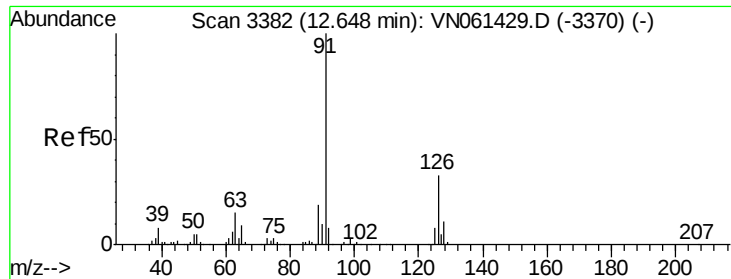
120 22.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

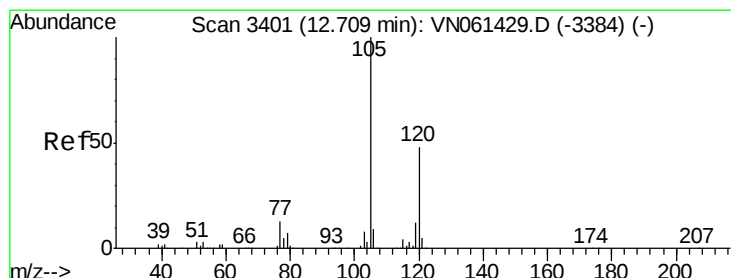
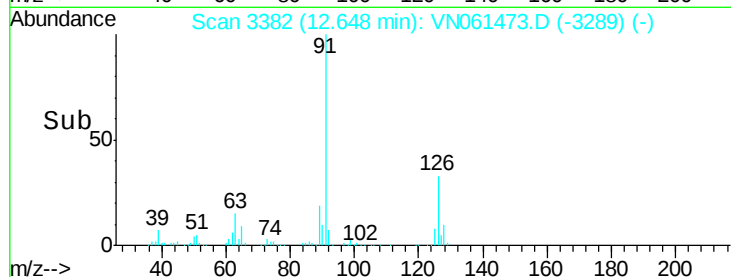
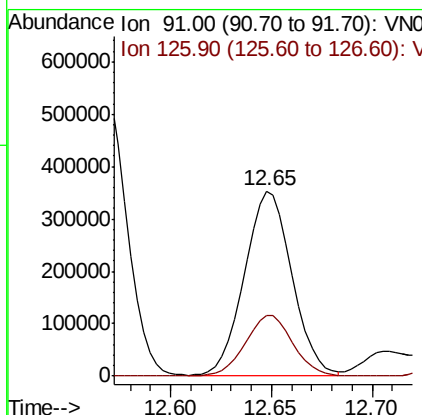
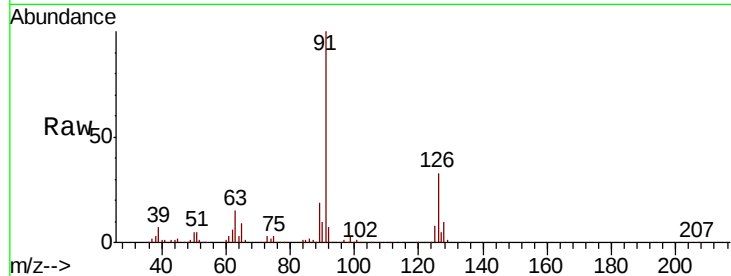




#79
 2-Chlorotoluene
 Concen: 44.906 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

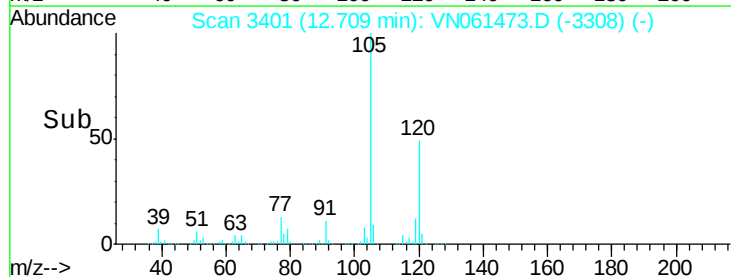
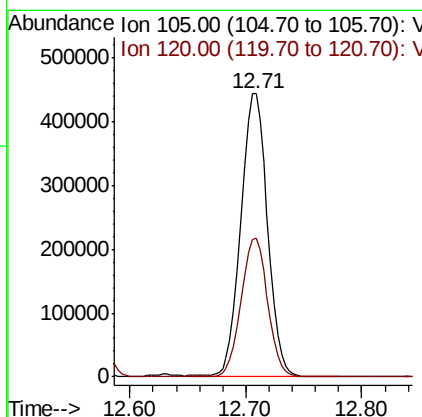
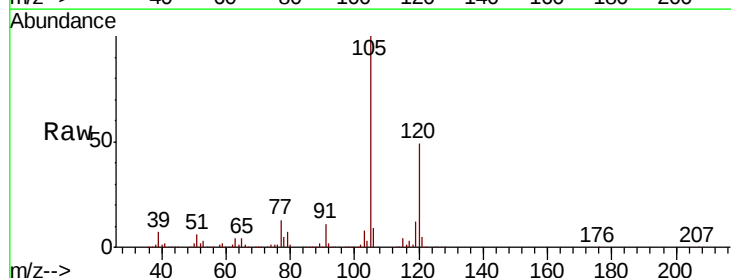
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 578370
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 45.355 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion: 105 Resp: 710196
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.4

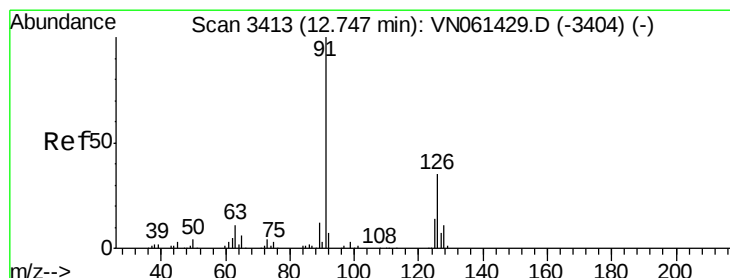
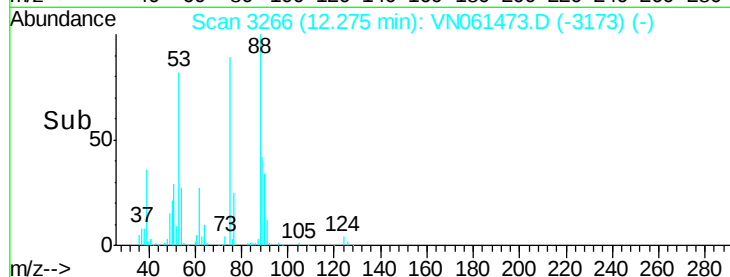
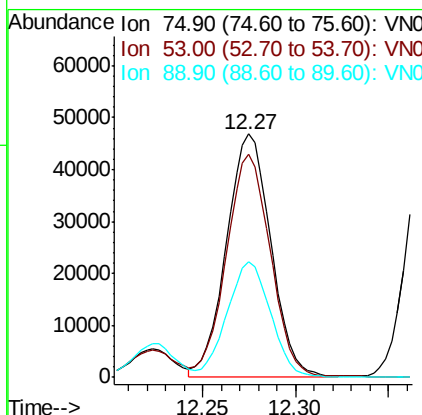
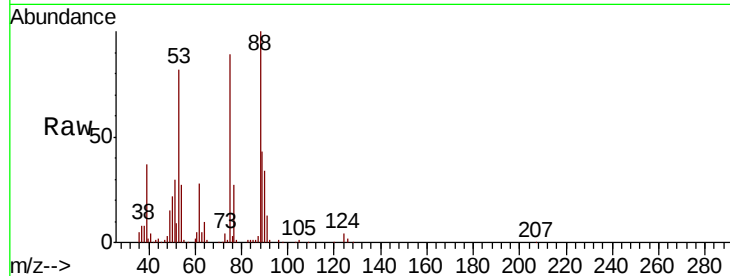




#81
trans-1,4-Dichloro-2-butene
Concen: 40.344 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

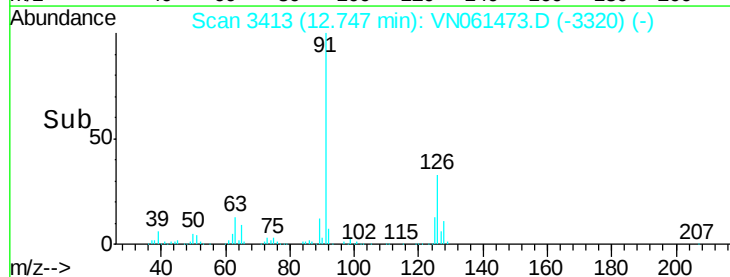
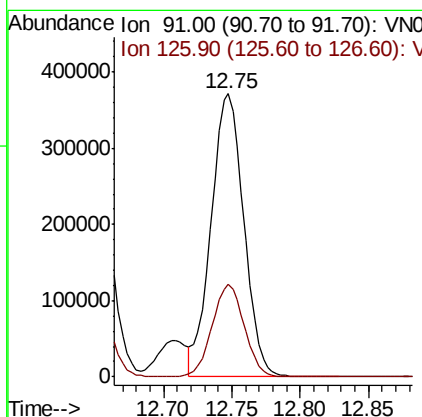
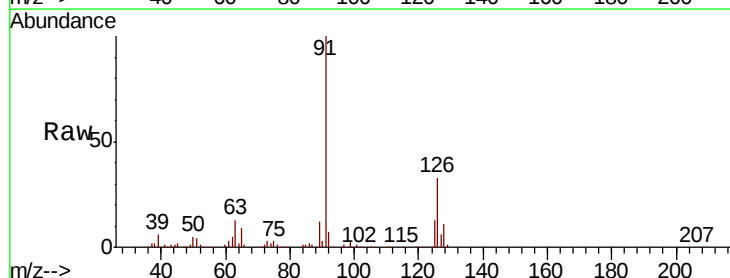
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 77739
Ion Ratio Lower Upper
75 100
53 91.8 75.2 112.8
89 46.6 38.2 57.4



#82
4-Chlorotoluene
Concen: 46.170 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion: 91 Resp: 615731
Ion Ratio Lower Upper
91 100
126 32.2 16.1 48.2

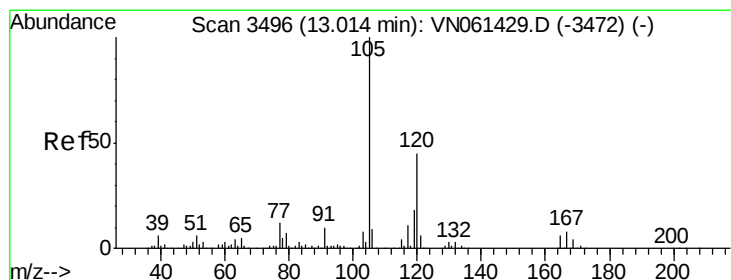
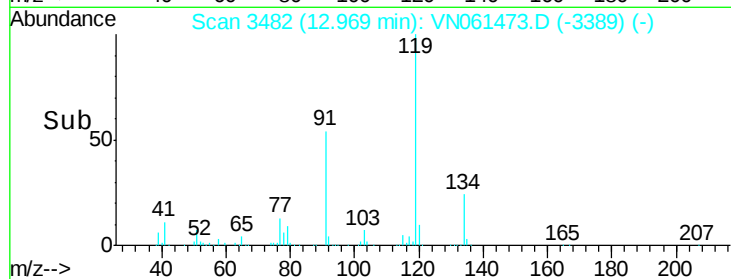
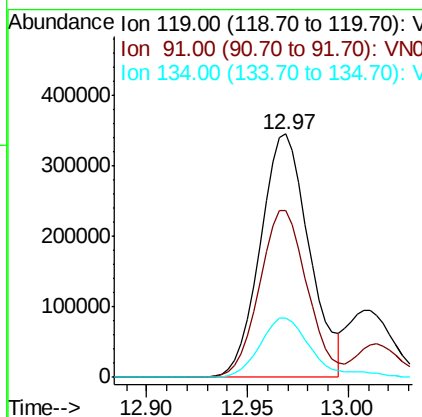
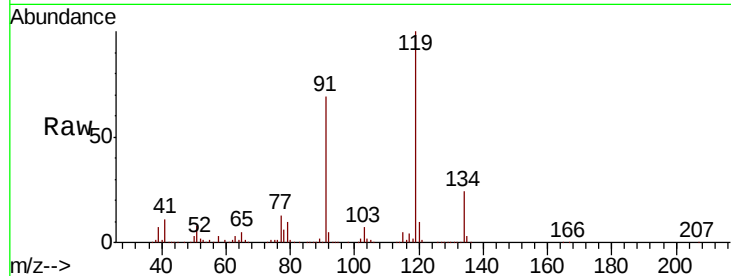




#83
 tert-Butylbenzene
 Concen: 43.484 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

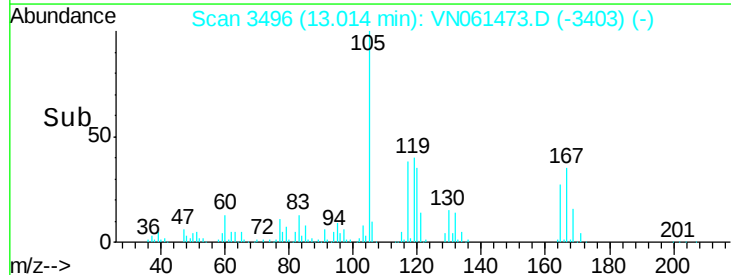
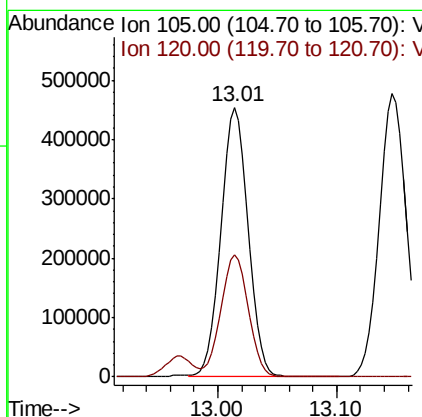
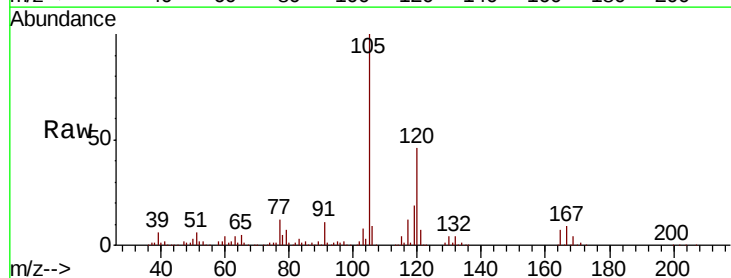
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

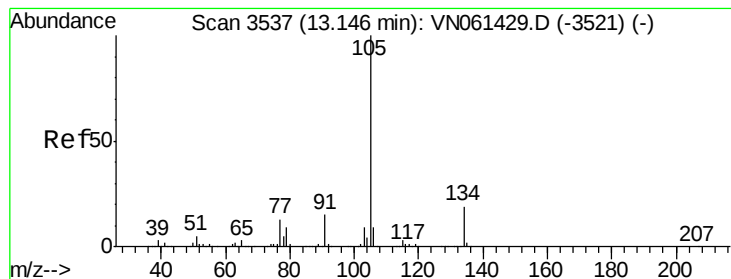
Tot Ion:119 Resp: 583239
 Ion Ratio Lower Upper
 119 100
 91 67.3 33.7 101.0
 134 26.0 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 45.759 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion:105 Resp: 717085
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.4 67.3





#85

sec-Butylbenzene

Concen: 41.393 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

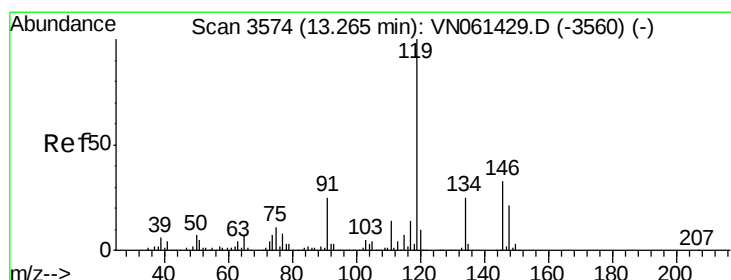
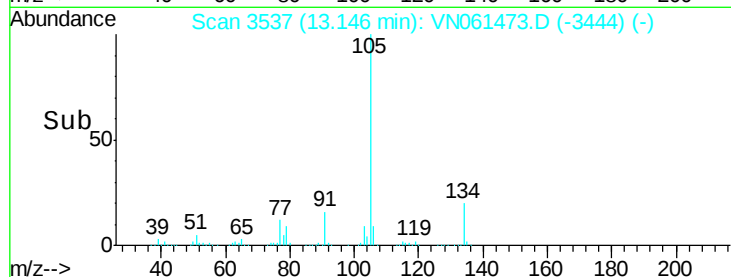
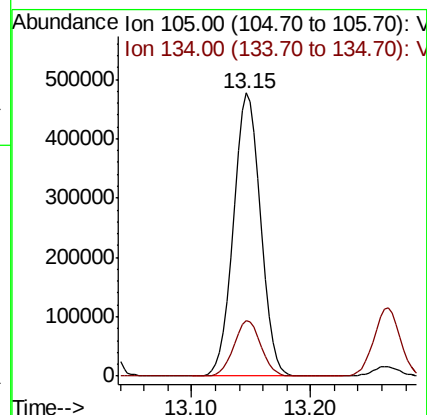
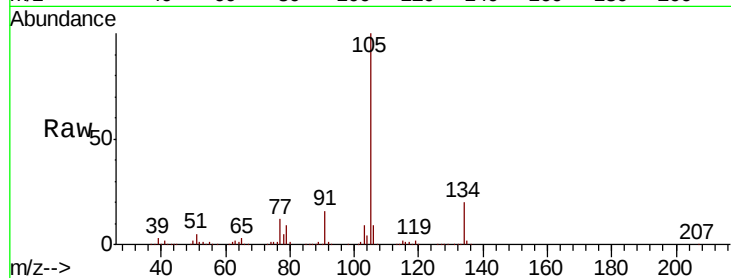
VSTDCCC050EC

Tot Ion:105 Resp: 750742

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



#86

p-Isopropyltoluene

Concen: 42.445 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

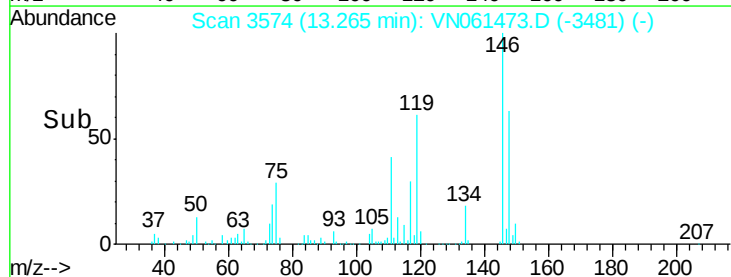
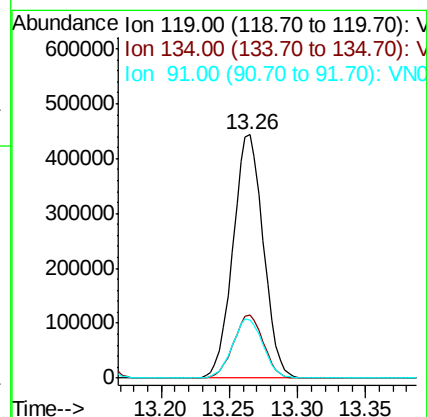
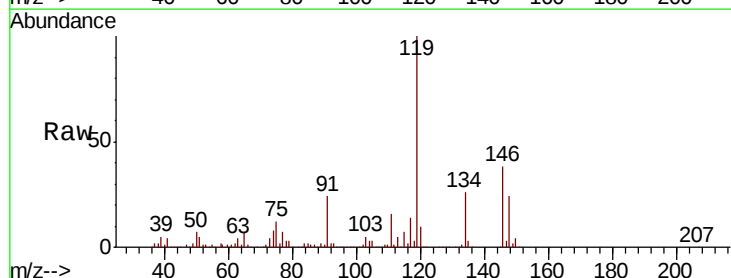
Tgt Ion:119 Resp: 683582

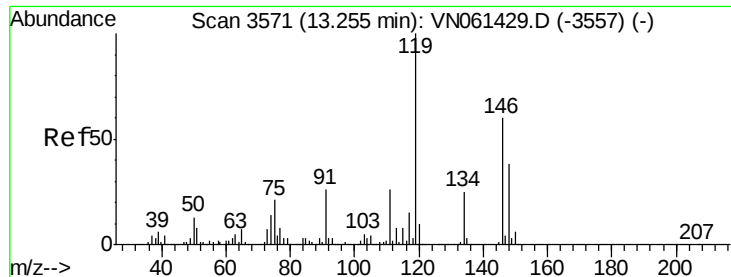
Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 24.6 12.6 37.6

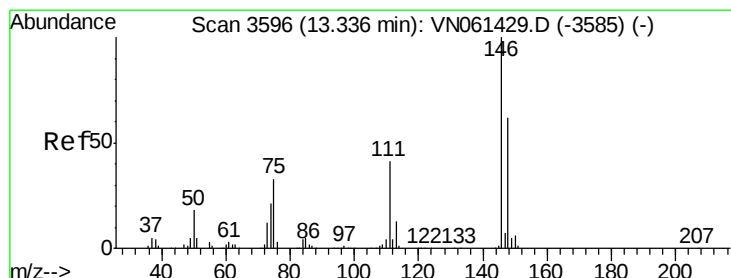
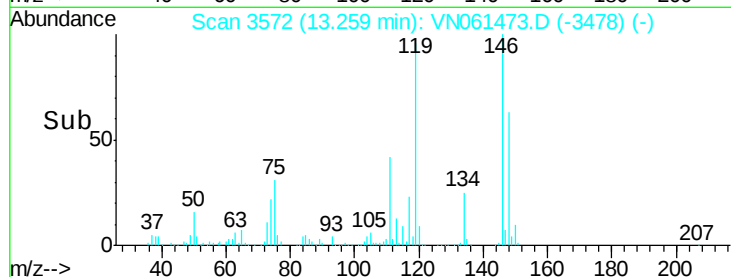
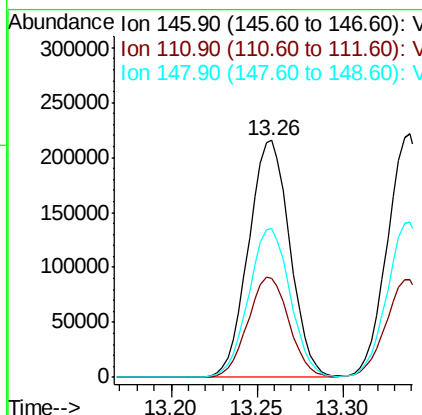
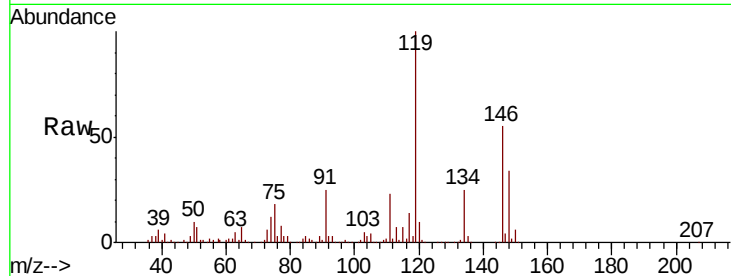




#87
 1,3-Dichlorobenzene
 Concen: 47.500 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

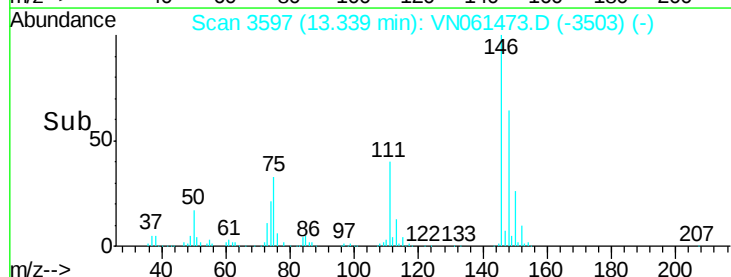
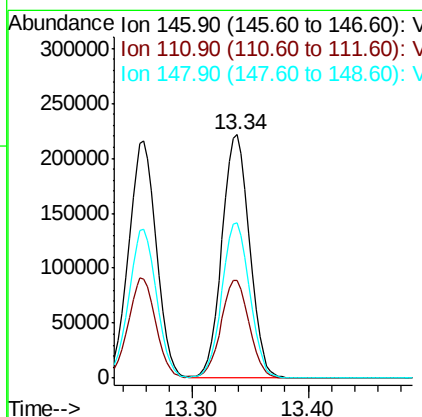
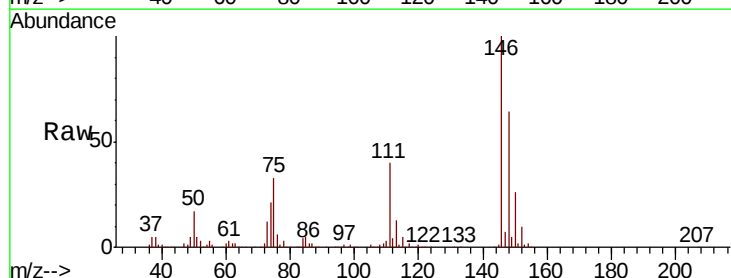
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

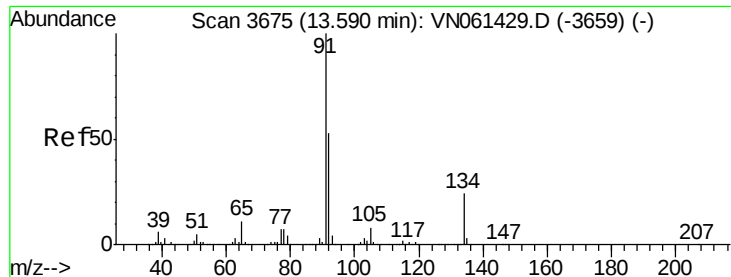
Tot Ion:146 Resp: 360798
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.5 64.5
 148 63.0 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 47.850 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion:146 Resp: 363995
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.8 62.5
 148 64.7 31.6 94.8

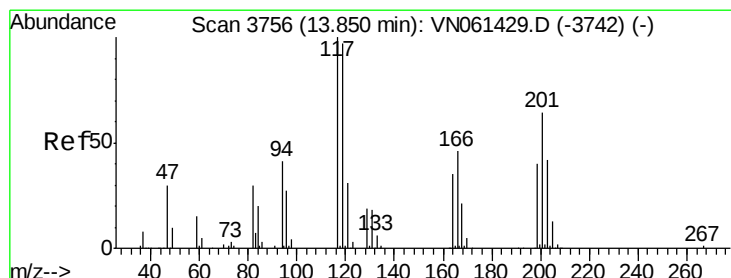
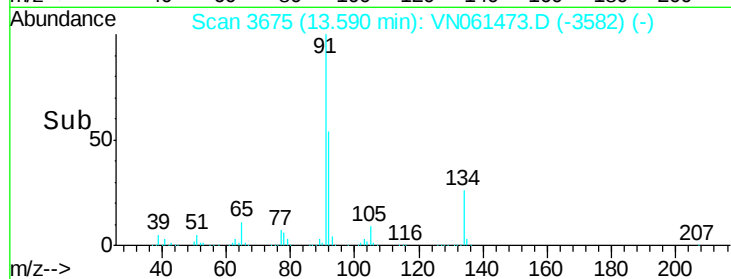
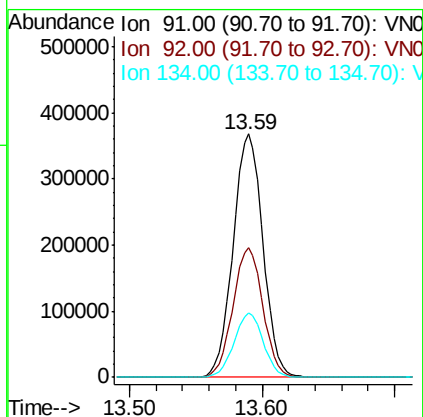
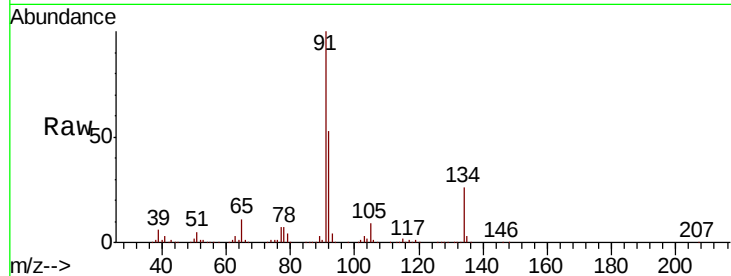




#89
n-Butylbenzene
Concen: 39.190 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

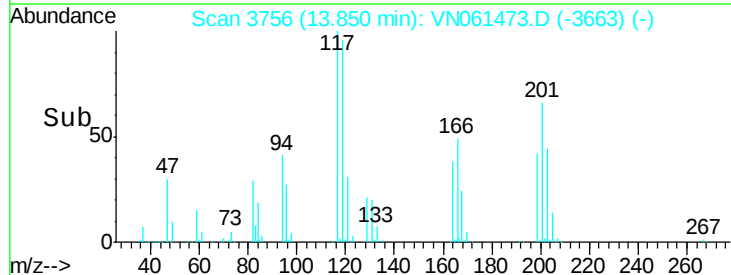
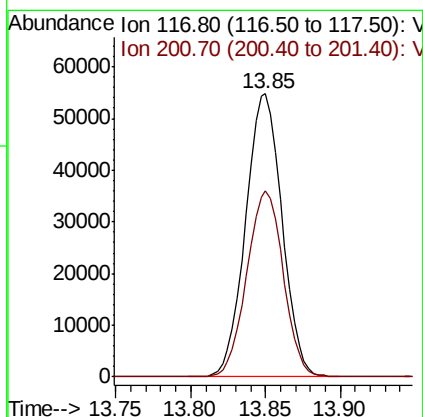
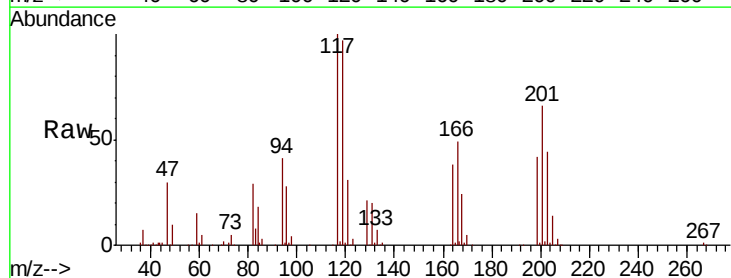
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

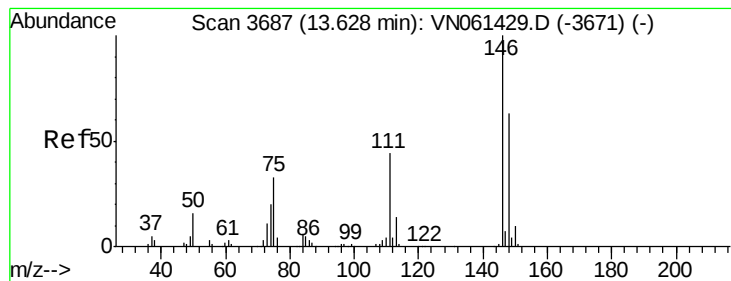
Tot Ion: 91 Resp: 573403
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.3
134 26.3 12.4 37.4



#90
Hexachloroethane
Concen: 42.543 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion: 117 Resp: 92859
Ion Ratio Lower Upper
117 100
201 65.7 32.9 98.7





#91

1,2-Dichlorobenzene

Concen: 47.750 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

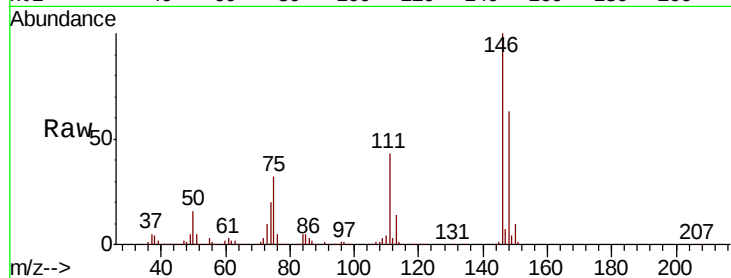
Tot Ion:146 Resp: 347911

Ion Ratio Lower Upper

146 100

111 43.0 21.9 65.7

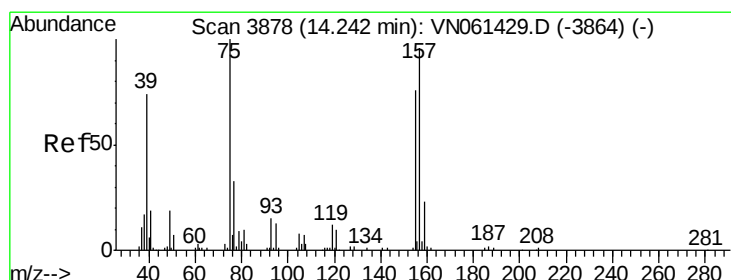
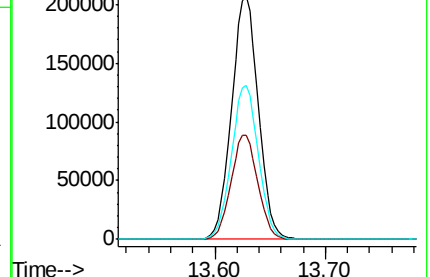
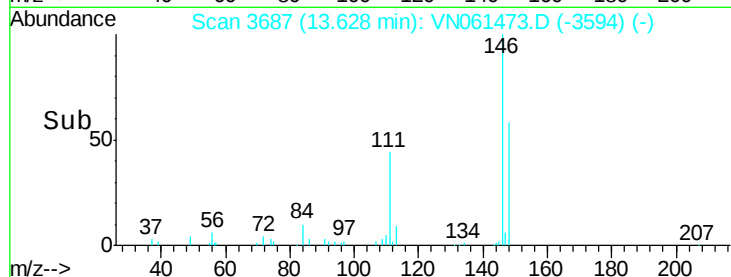
148 63.9 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.933 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

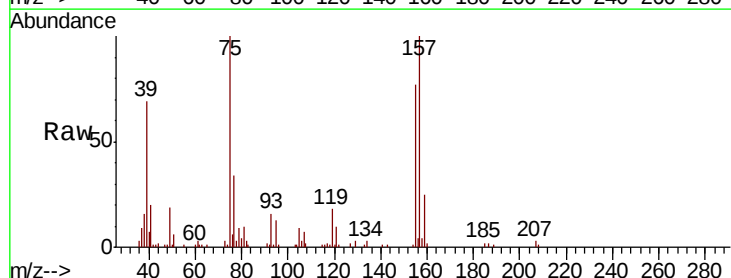
Tgt Ion: 75 Resp: 49882

Ion Ratio Lower Upper

75 100

155 77.7 38.9 116.7

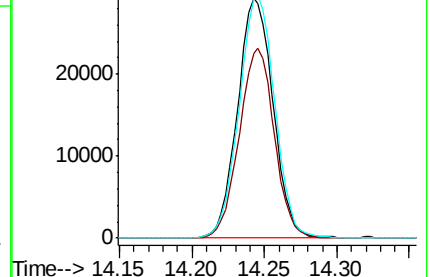
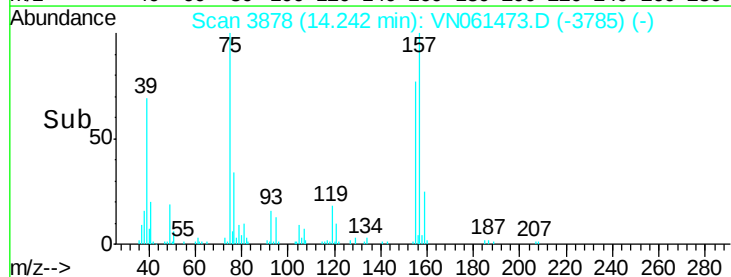
157 101.3 48.6 145.8

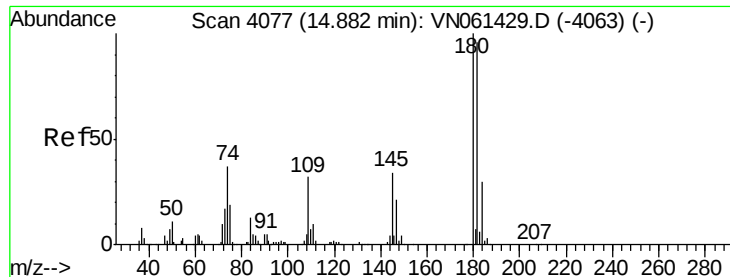


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

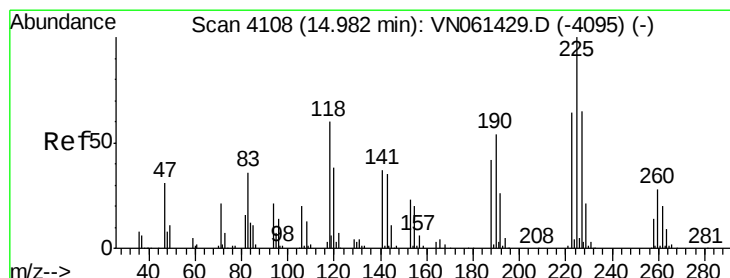
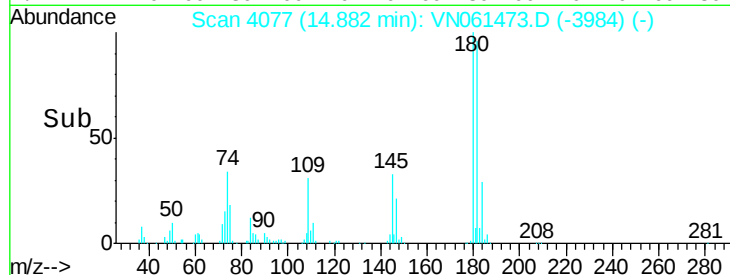
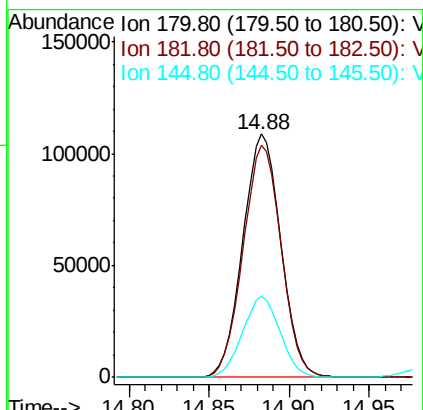
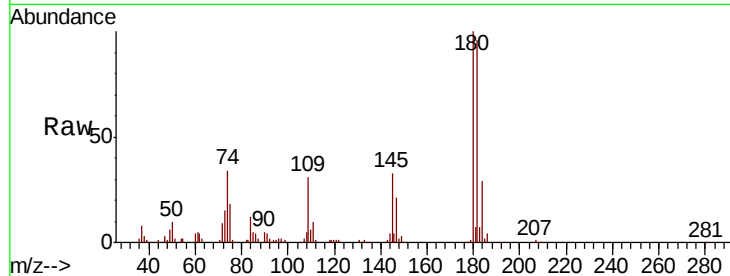




#93
 1,2,4-Trichlorobenzene
 Concen: 44.766 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

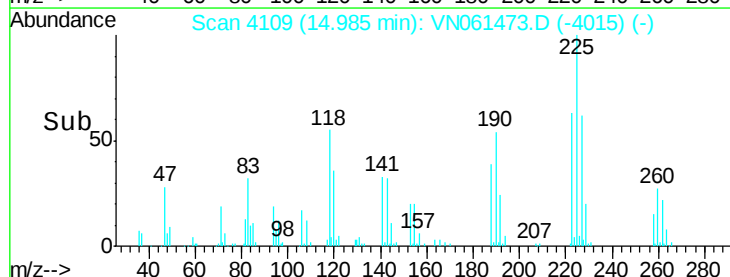
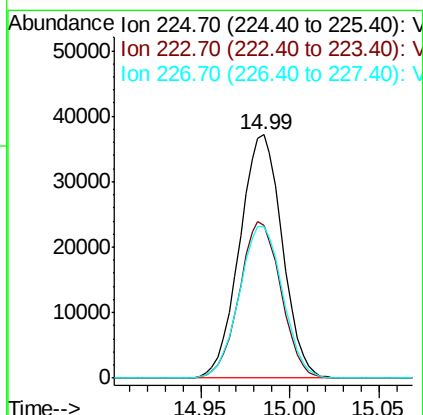
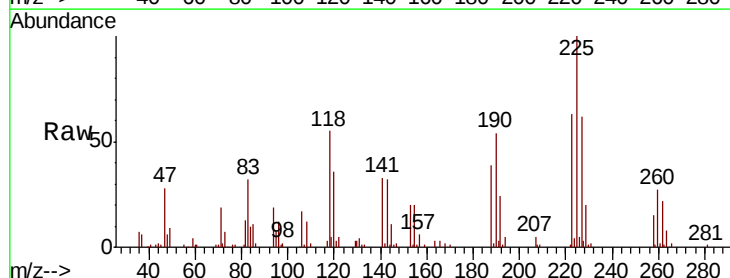
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

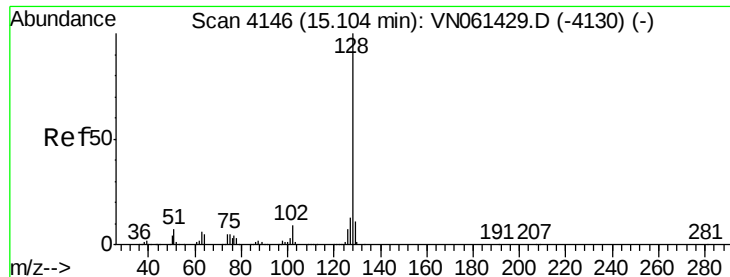
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.0	141.0
145	32.9	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 35.272 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.7
227	63.5	31.5	94.5





#95

Naphthalene

Concen: 50.035 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

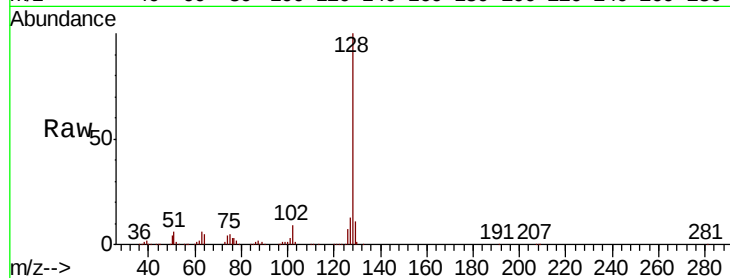
Tot Ion:128 Resp: 628425

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

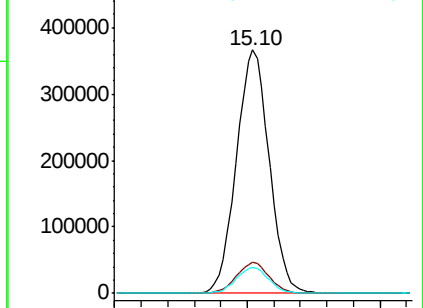
129 10.6 8.6 13.0



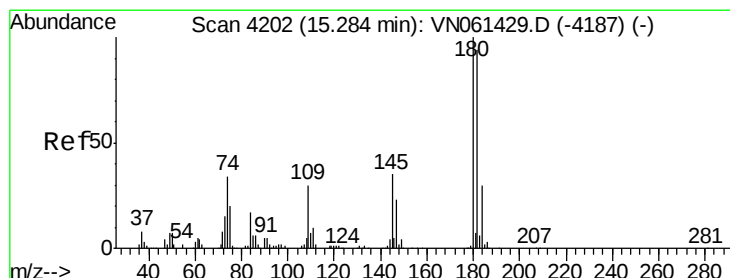
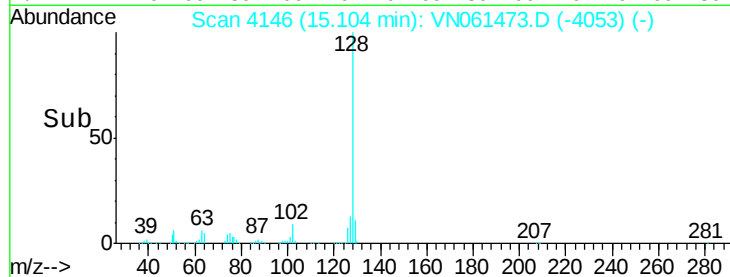
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.00 15.10 15.20



#96

1,2,3-Trichlorobenzene

Concen: 44.046 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

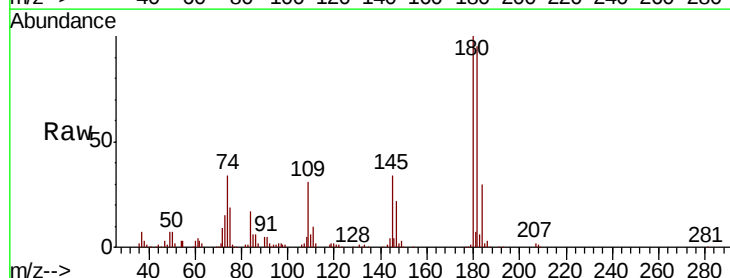
Tgt Ion:180 Resp: 173229

Ion Ratio Lower Upper

180 100

182 94.5 47.8 143.3

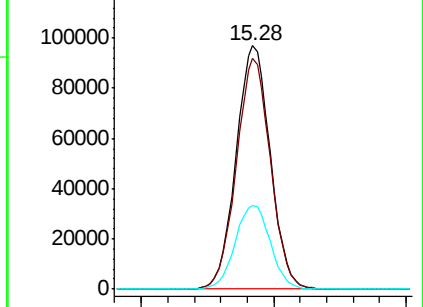
145 35.2 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time--> 15.20 15.30

