

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061449.D
 Acq On : 18 May 2020 20:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 19 03:33:24 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	288997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	540287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	520152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	245412	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	221797	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.55	113	144799	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.06	98	689268	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.37	95	262891	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	109653	45.632	ug/l	99
3) Chloromethane	2.03	50	173879	44.364	ug/l	98
4) Vinyl Chloride	2.16	62	262017	46.711	ug/l	99
5) Bromomethane	2.54	94	145985	51.593	ug/l	100
6) Chloroethane	2.67	64	172995	45.821	ug/l	98
7) Trichlorofluoromethane	2.98	101	301574	44.284	ug/l	96
8) Diethyl Ether	3.37	74	89214	44.976	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	129456	45.713	ug/l	99
10) Methyl Iodide	3.91	142	161630	46.990	ug/l	99
11) Tert butyl alcohol	4.72	59	106802	214.905	ug/l	100
12) 1,1-Dichloroethene	3.70	96	135514	45.746	ug/l	91
13) Acrolein	3.56	56	69495	191.481	ug/l	97
14) Allyl chloride	4.27	41	220663	45.772	ug/l	98
15) Acrylonitrile	4.93	53	338900	230.174	ug/l	99
16) Acetone	3.77	43	252392	227.714	ug/l	97
17) Carbon Disulfide	4.01	76	325682	51.323	ug/l	100
18) Methyl Acetate	4.27	43	137440	46.388	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	529883	47.136	ug/l	98
20) Methylene Chloride	4.50	84	163192	46.038	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	161546	47.293	ug/l	97
22) Diisopropyl ether	5.90	45	509694	47.049	ug/l	98
23) Vinyl Acetate	5.84	43	2058811	238.987	ug/l	99
24) 1,1-Dichloroethane	5.80	63	301874	47.774	ug/l	99
25) 2-Butanone	6.78	43	439833	223.969	ug/l	99
26) 2,2-Dichloropropane	6.78	77	265006	43.995	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	196606	48.726	ug/l	97
28) Bromochloromethane	7.15	49	136429	50.867	ug/l	98
29) Tetrahydrofuran	7.17	42	296365	227.872	ug/l	99
30) Chloroform	7.33	83	327814	49.671	ug/l	100
31) Cyclohexane	7.62	56	258258	46.211	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	295482	48.996	ug/l	99
36) 1,1-Dichloropropene	7.75	75	240369	47.579	ug/l	99
37) Ethyl Acetate	6.88	43	199381	43.518	ug/l	100
38) Carbon Tetrachloride	7.73	117	226457	48.681	ug/l	98

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 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	248419	40.260	ug/l	98
40) Benzene	8.00	78	723188	47.502	ug/l	99
41) Methacrylonitrile	7.12	41	85634	44.253	ug/l	90
42) 1,2-Dichloroethane	8.08	62	262081	47.780	ug/l	100
43) Isopropyl Acetate	8.13	43	373363	46.724	ug/l	99
44) Trichloroethene	8.80	130	199918	50.115	ug/l	100
45) 1,2-Dichloropropane	9.08	63	184304	48.365	ug/l	100
46) Dibromomethane	9.17	93	128633	48.152	ug/l	98
47) Bromodichloromethane	9.37	83	272114	48.345	ug/l	98
48) Methyl methacrylate	9.17	41	165634	44.870	ug/l	99
49) 1,4-Dioxane	9.17	88	36083	926.580	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	1037381	238.313	ug/l	100
52) Toluene	10.12	92	479951	49.104	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	300016	48.632	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	314769	47.998	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	181457	49.104	ug/l	98
56) Ethyl methacrylate	10.40	69	289991	50.196	ug/l	98
57) 1,3-Dichloropropane	10.68	76	311801	48.824	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	649248	256.028	ug/l	99
59) 2-Hexanone	10.72	43	731948	232.413	ug/l	100
60) Dibromochloromethane	10.87	129	207278	50.709	ug/l	100
61) 1,2-Dibromoethane	10.98	107	195517	50.321	ug/l	99
64) Tetrachloroethene	10.60	164	194557	48.348	ug/l	98
65) Chlorobenzene	11.41	112	507495	47.845	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	185911	48.890	ug/l	99
67) Ethyl Benzene	11.48	91	933653	48.221	ug/l	99
68) m/p-Xylenes	11.60	106	717138	97.579	ug/l	99
69) o-Xylene	11.92	106	343532	48.303	ug/l	99
70) Styrene	11.94	104	597136	50.702	ug/l	99
71) Bromoform	12.10	173	132868	45.137	ug/l #	100
73) Isopropylbenzene	12.22	105	888967	45.122	ug/l	99
74) N-amyl acetate	12.04	43	335518	46.526	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	249183	45.971	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	337535	64.098	ug/l #	100
77) Bromobenzene	12.50	156	210112	49.141	ug/l	96
78) n-propylbenzene	12.56	91	1017245	45.316	ug/l	100
79) 2-Chlorotoluene	12.65	91	612422	46.156	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	737096	45.693	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	88340	44.502	ug/l	99
82) 4-Chlorotoluene	12.75	91	646103	47.028	ug/l	99
83) tert-Butylbenzene	12.97	119	599571	43.391	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	743527	46.056	ug/l	98
85) sec-Butylbenzene	13.15	105	774693	41.462	ug/l	99
86) p-Isopropyltoluene	13.26	119	702275	42.327	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	375254	47.956	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	376850	48.088	ug/l	99
89) n-Butylbenzene	13.59	91	601398	39.898	ug/l	100
90) Hexachloroethane	13.85	117	91034	40.485	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	363940	48.486	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	49447	45.160	ug/l	95

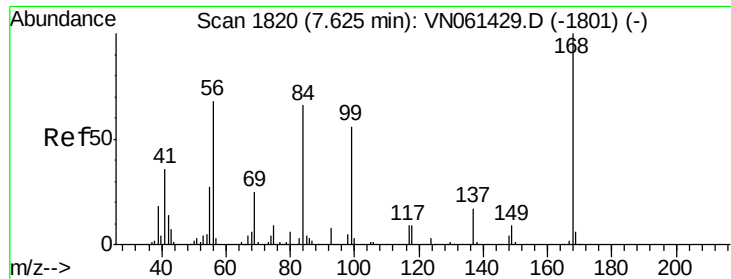
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	181879	44.688	ug/l	100
94) Hexachlorobutadiene	14.98	225	61580	34.053	ug/l	99
95) Naphthalene	15.10	128	646745	49.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	176915	43.665	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: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

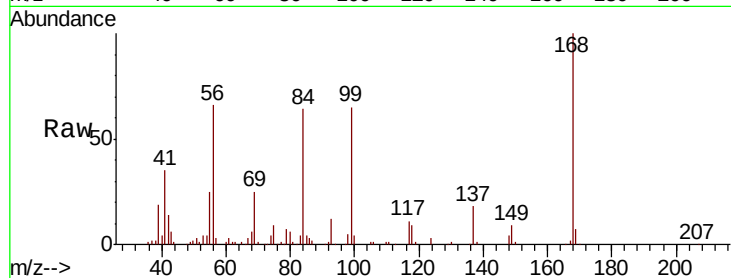
VSTDCCC050EC

Tot Ion:168 Resp: 288997

Ion Ratio Lower Upper

168 100

99 64.1 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

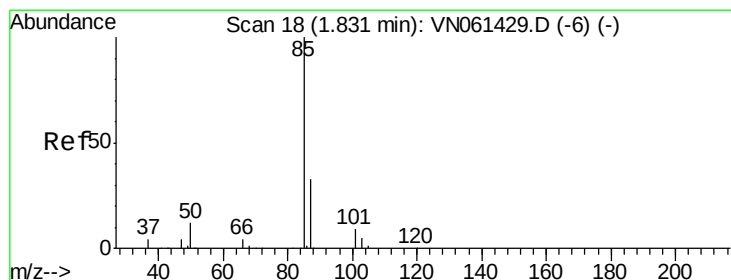
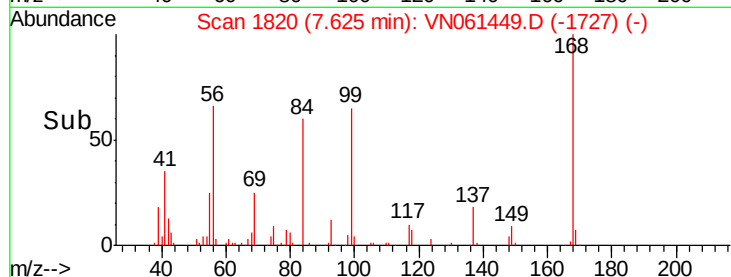
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 45.632 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061449.D

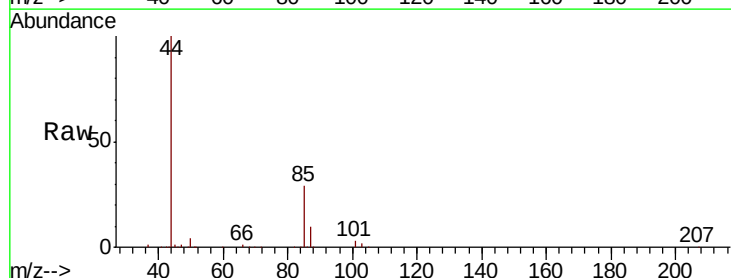
Acq: 18 May 2020 20:57

Tgt Ion: 85 Resp: 109653

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

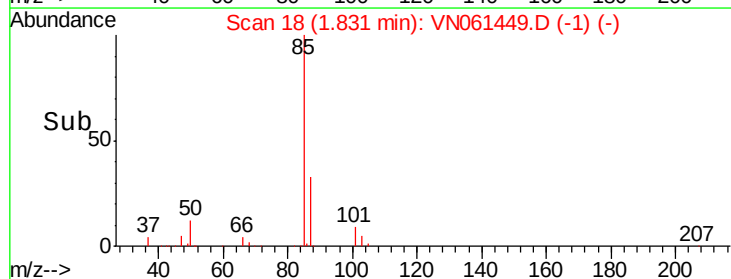
60000

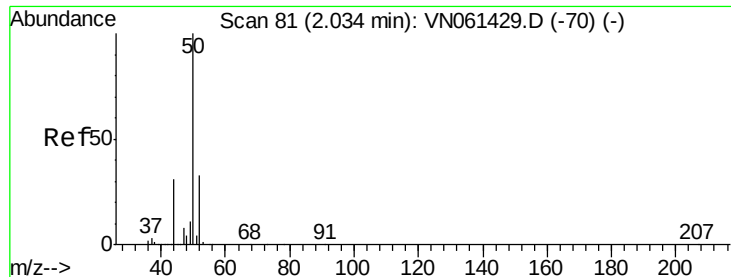
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 44.364 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

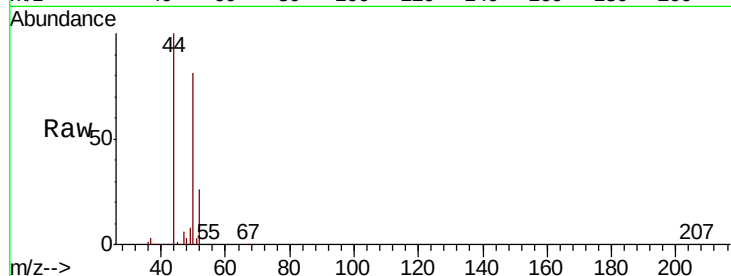
VSTDCCC050EC

Tot Ion: 50 Resp: 173879

Ion Ratio Lower Upper

50 100

52 32.5 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

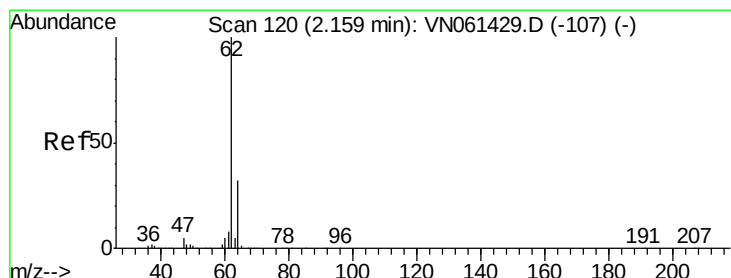
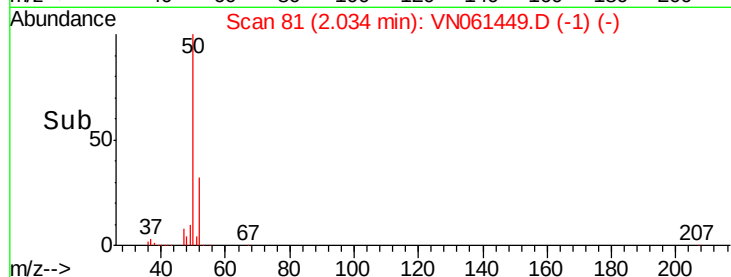
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 46.711 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061449.D

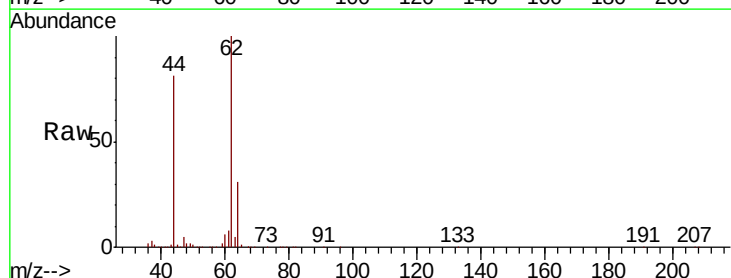
Acq: 18 May 2020 20:57

Tgt Ion: 62 Resp: 262017

Ion Ratio Lower Upper

62 100

64 31.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

200000

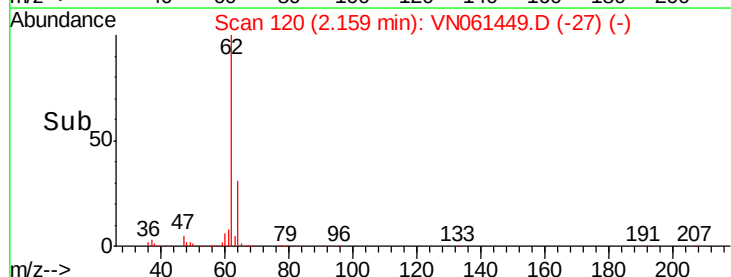
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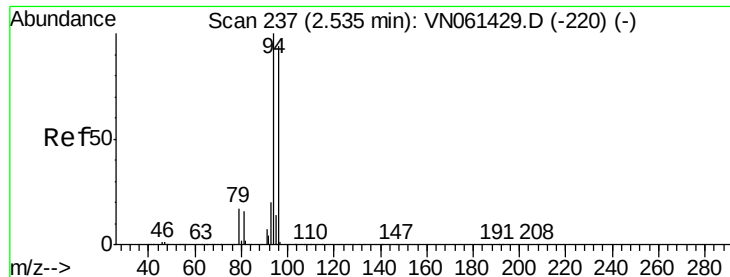
100000

50000

0

Time--> 2.10 2.15 2.20





#5

Bromomethane

Concen: 51.593 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

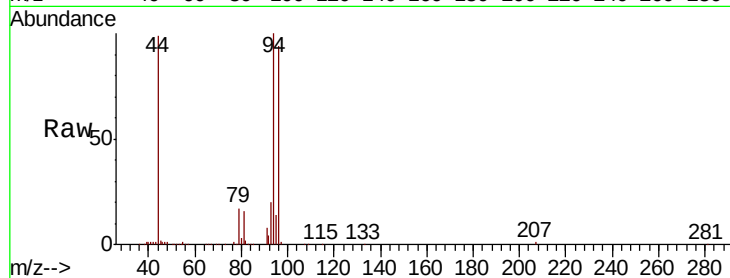
VSTDCCC050EC

Tot Ion: 94 Resp: 145985

Ion Ratio Lower Upper

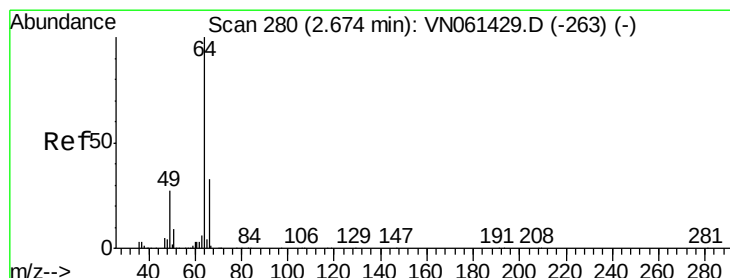
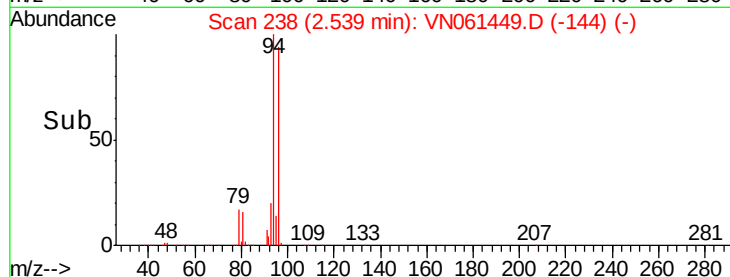
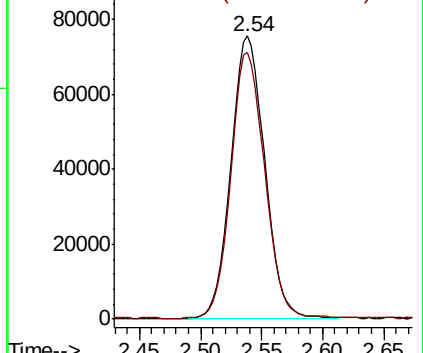
94 100

96 93.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.821 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061449.D

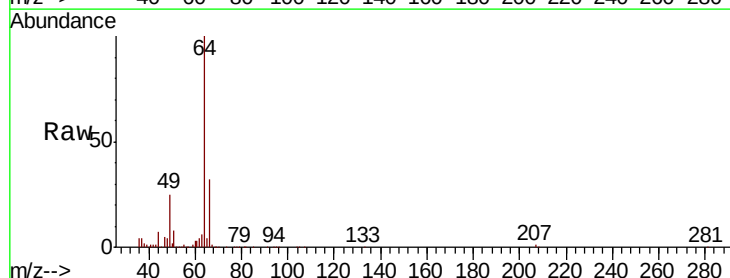
Acq: 18 May 2020 20:57

Tgt Ion: 64 Resp: 172995

Ion Ratio Lower Upper

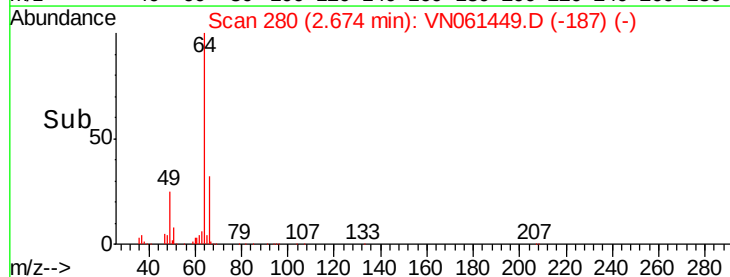
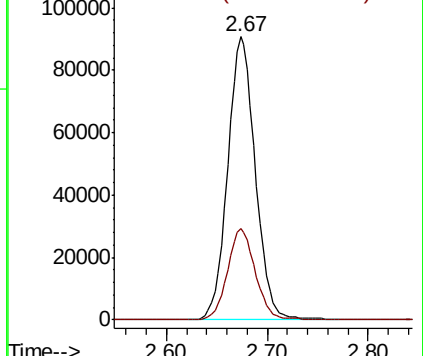
64 100

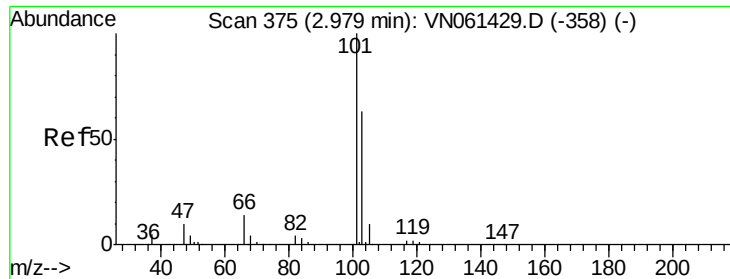
66 32.0 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



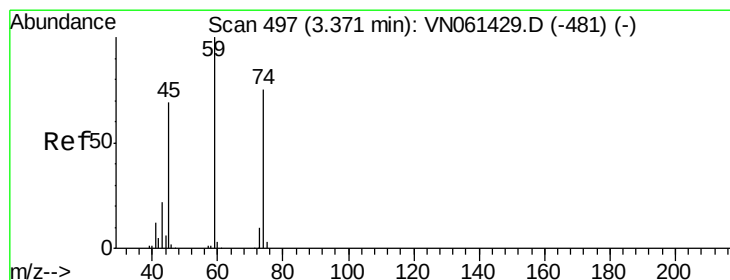
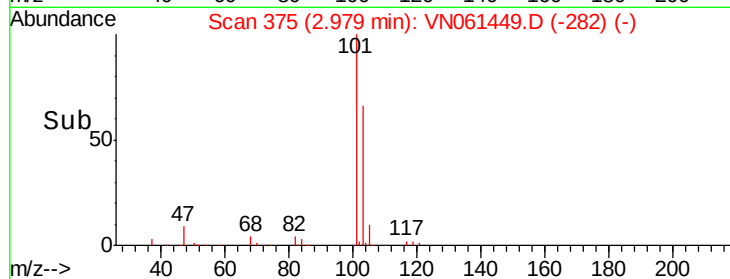
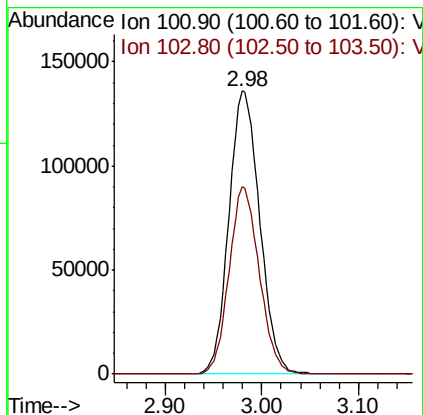
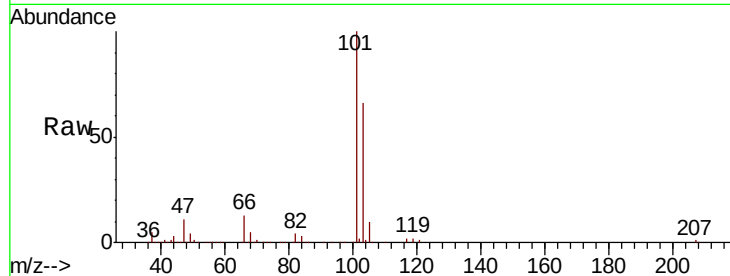


#7

Trichlorofluoromethane
Concen: 44.284 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061449.D
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Instrument :
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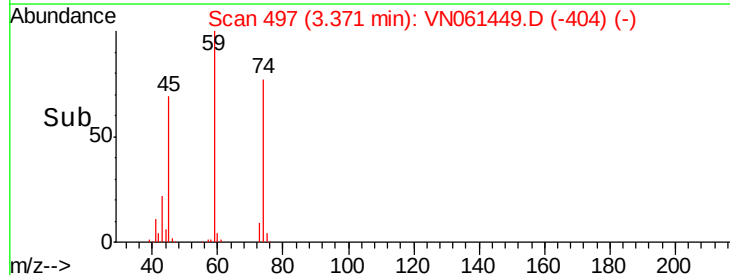
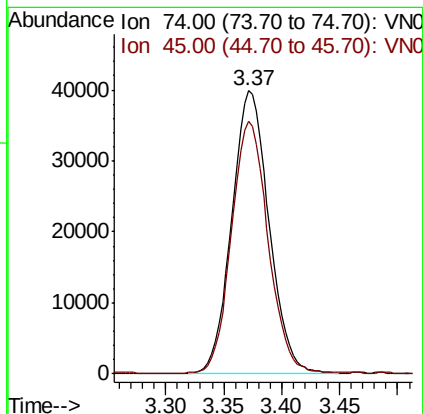
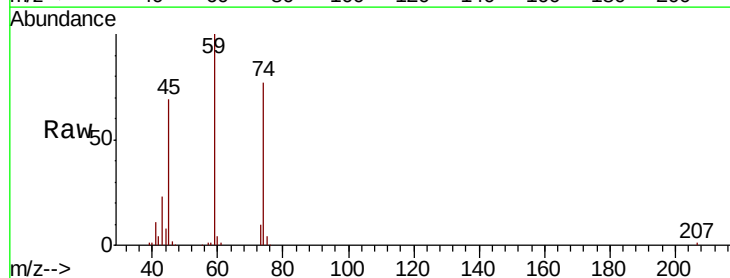
Tot Ion:101 Resp: 301574
Ion Ratio Lower Upper
101 100
103 66.1 50.2 75.4

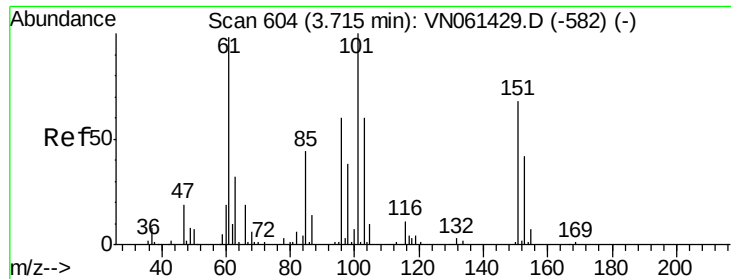


#8

Diethyl Ether
Concen: 44.976 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion: 74 Resp: 89214
Ion Ratio Lower Upper
74 100
45 88.2 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.713 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

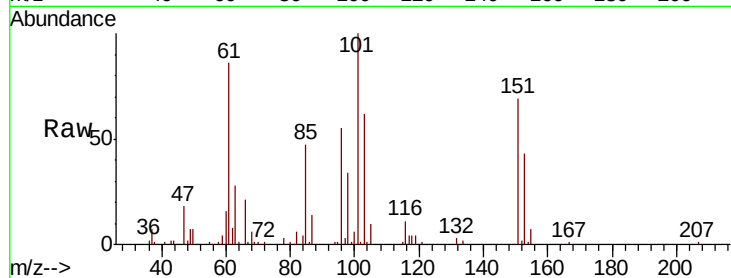
Tot Ion:101 Resp: 129456

Ion Ratio Lower Upper

101 100

85 45.3 36.6 55.0

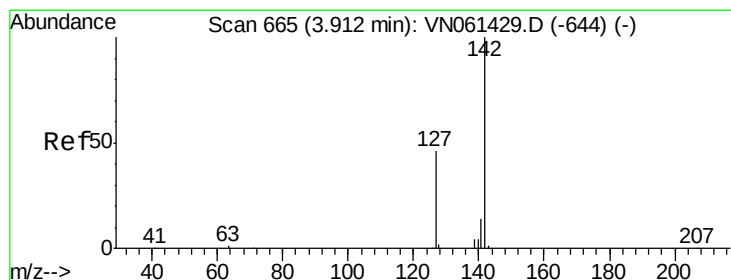
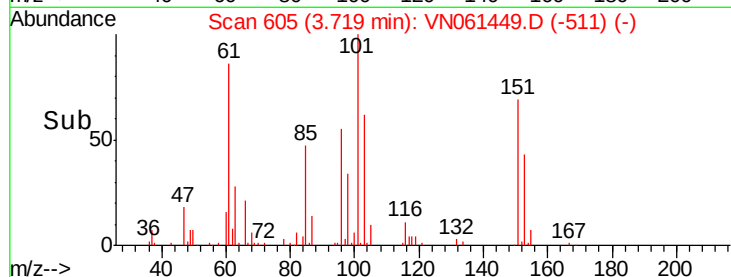
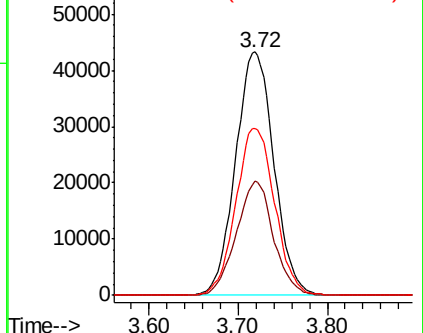
151 69.4 56.3 84.5



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: 46.990 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

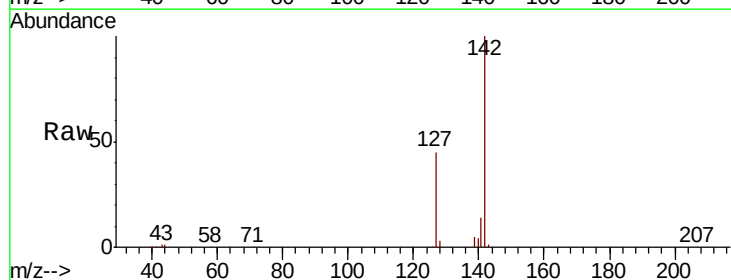
Tgt Ion:142 Resp: 161630

Ion Ratio Lower Upper

142 100

127 45.1 36.7 55.1

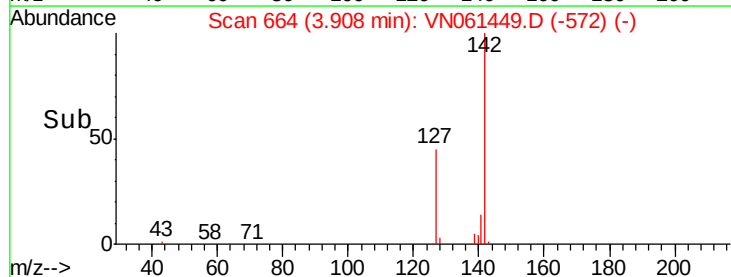
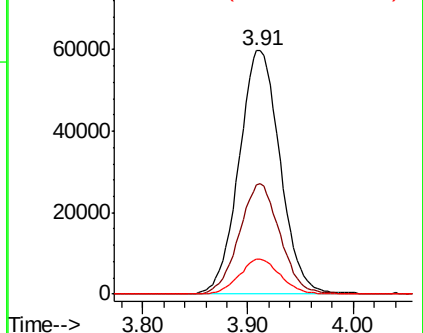
141 14.3 11.5 17.3

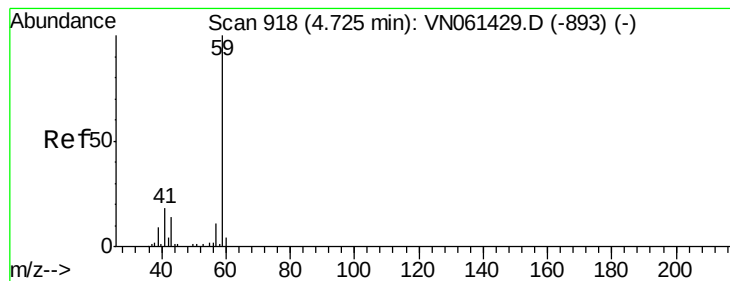


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



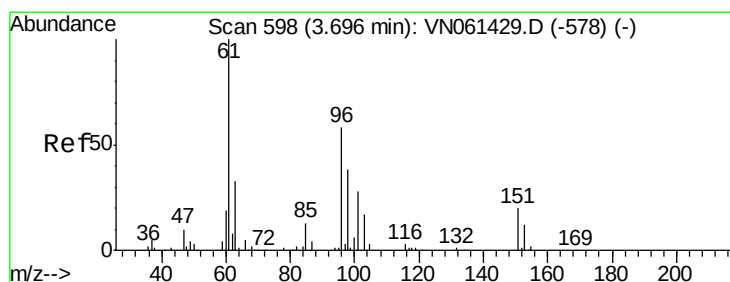
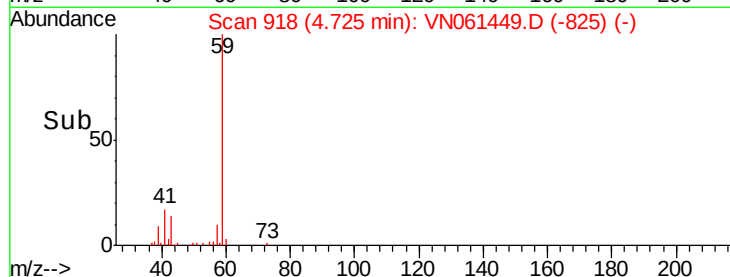
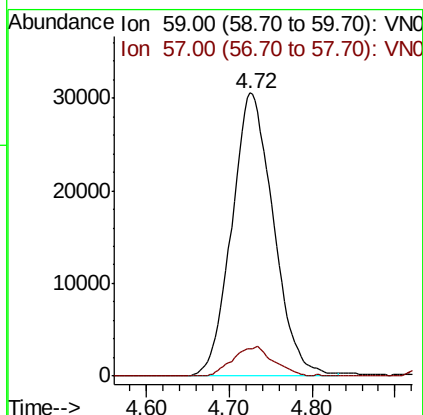
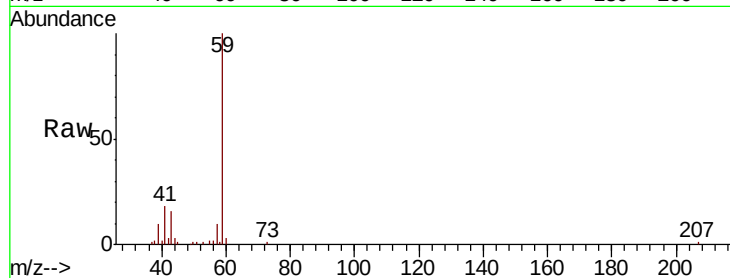


#11

Tert butyl alcohol
 Concen: 214.905 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

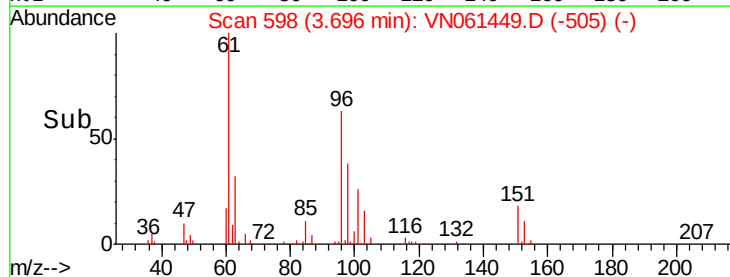
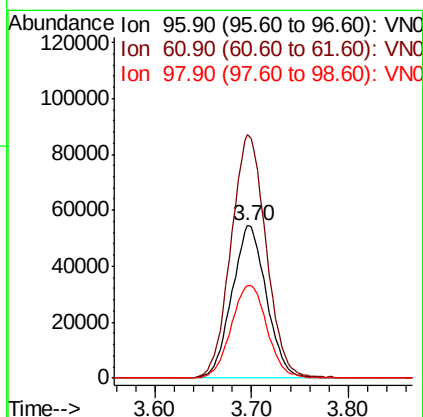
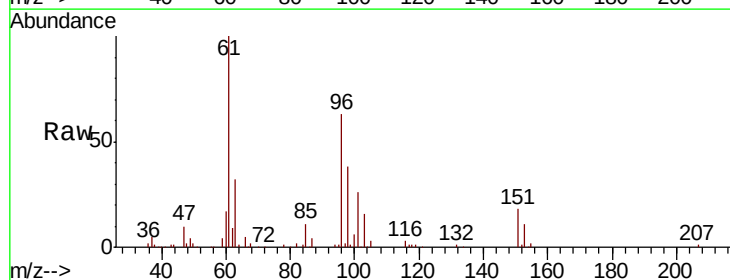
Tot Ion: 59 Resp: 106802
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

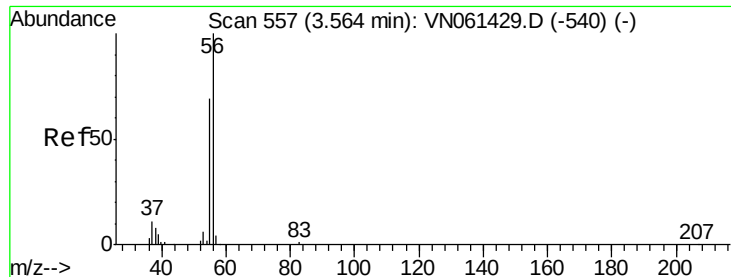


#12

1,1-Dichloroethene
 Concen: 45.746 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion: 96 Resp: 135514
 Ion Ratio Lower Upper
 96 100
 61 159.7 138.7 208.1
 98 60.7 53.0 79.6





#13

Acrolein

Concen: 191.481 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

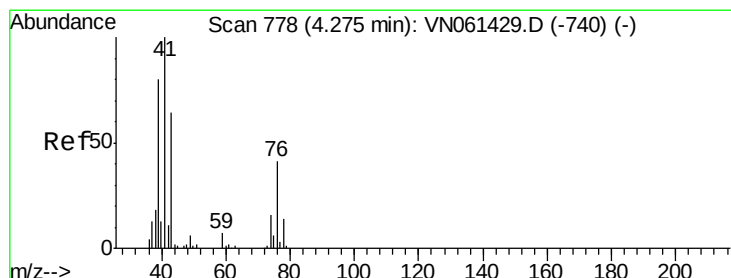
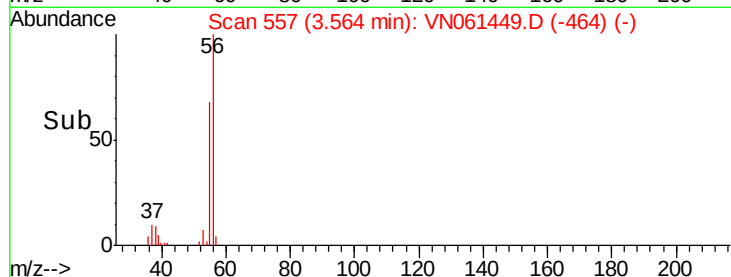
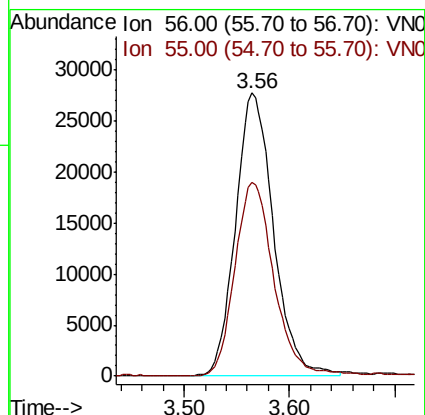
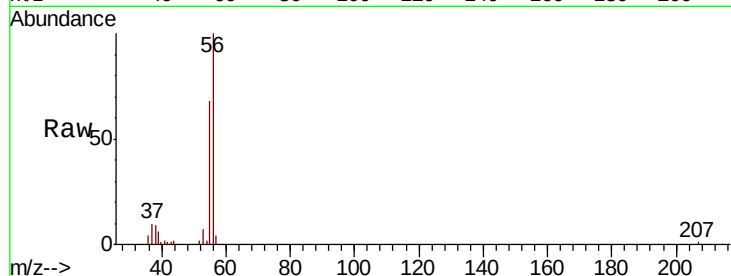
VSTDCCC050EC

Tot Ion: 56 Resp: 69495

Ion Ratio Lower Upper

56 100

55 70.6 54.8 82.2



#14

Allyl chloride

Concen: 45.772 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

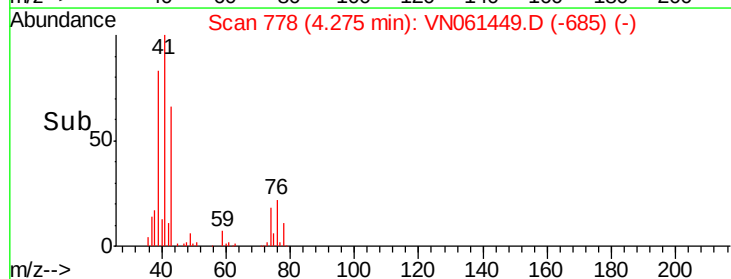
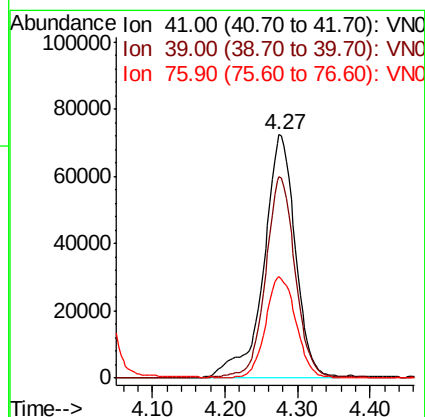
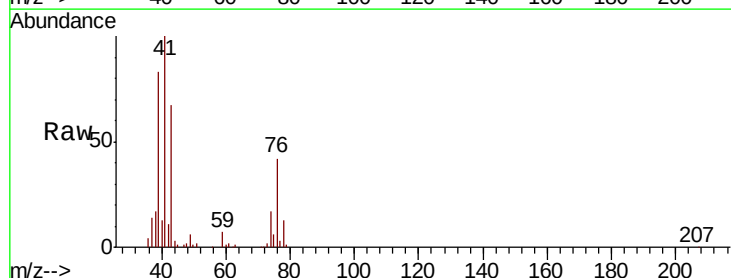
Tgt Ion: 41 Resp: 220663

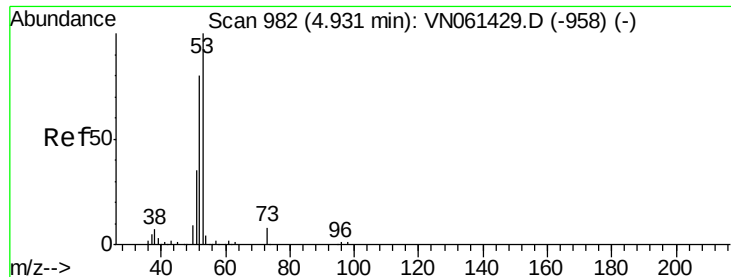
Ion Ratio Lower Upper

41 100

39 77.4 61.2 91.8

76 39.2 29.9 44.9





#15

Acrylonitrile

Concen: 230.174 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

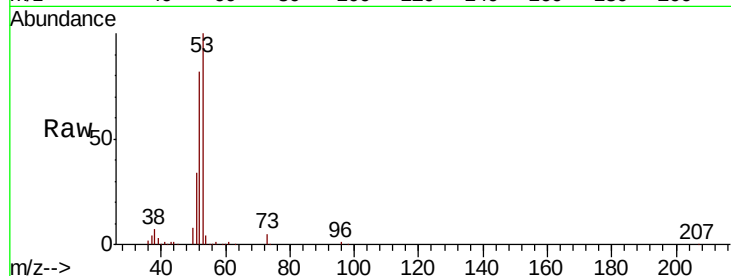
Tot Ion: 53 Resp: 338900

Ion Ratio Lower Upper

53 100

52 82.1 64.7 97.1

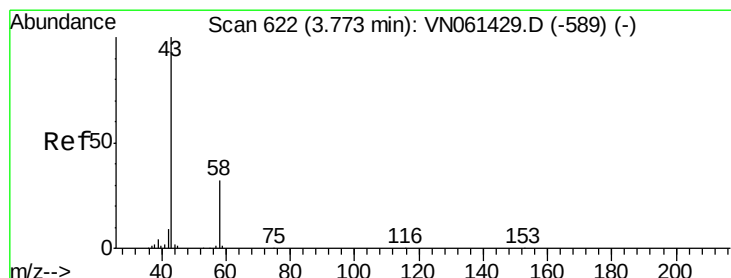
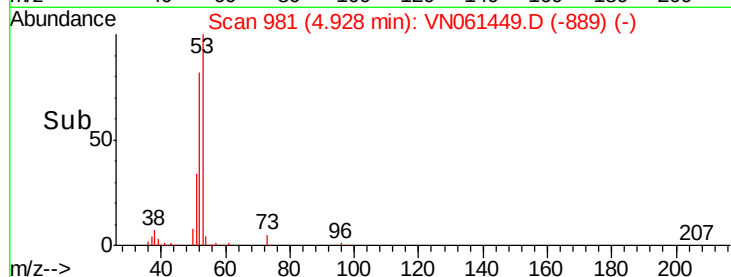
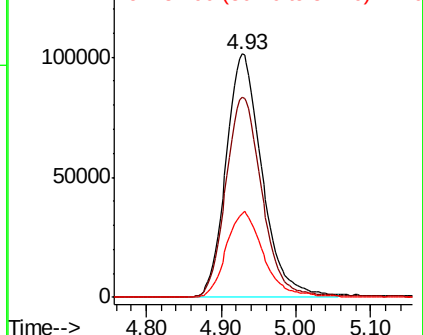
51 36.5 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN061449.D (-958) (-)

Ion 52.00 (51.70 to 52.70): VN061449.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VN061449.D (-958) (-)



#16

Acetone

Concen: 227.714 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061449.D

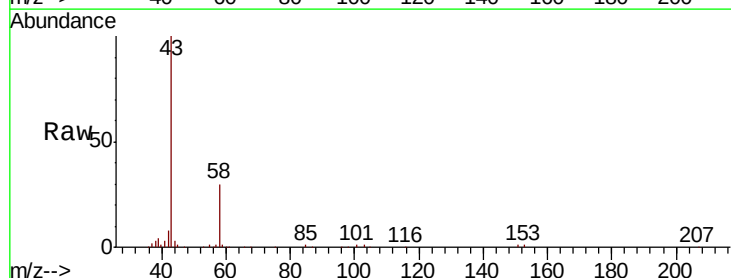
Acq: 18 May 2020 20:57

Tgt Ion: 43 Resp: 252392

Ion Ratio Lower Upper

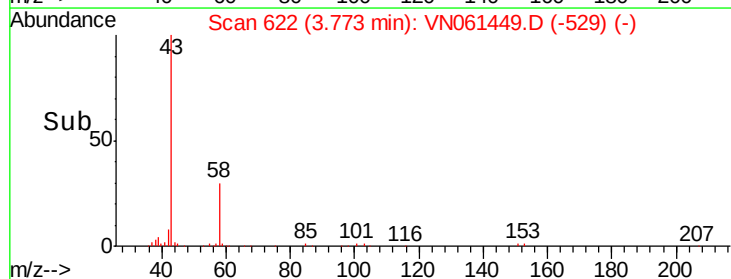
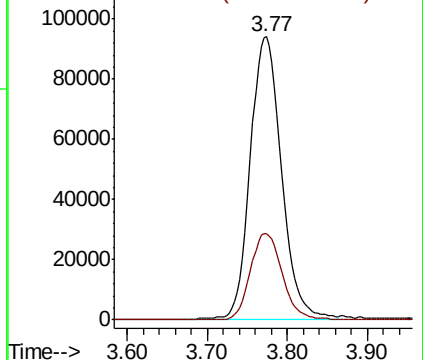
43 100

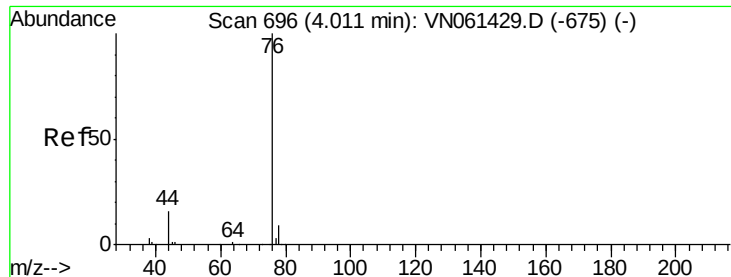
58 30.3 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VN061449.D (-589) (-)

Ion 58.00 (57.70 to 58.70): VN061449.D (-589) (-)





#17

Carbon Disulfide

Concen: 51.323 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

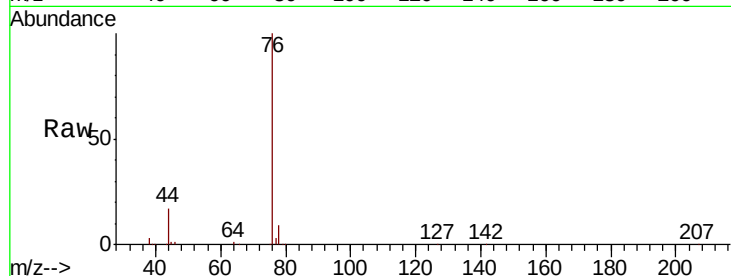
VSTDCCC050EC

Tot Ion: 76 Resp: 325682

Ion Ratio Lower Upper

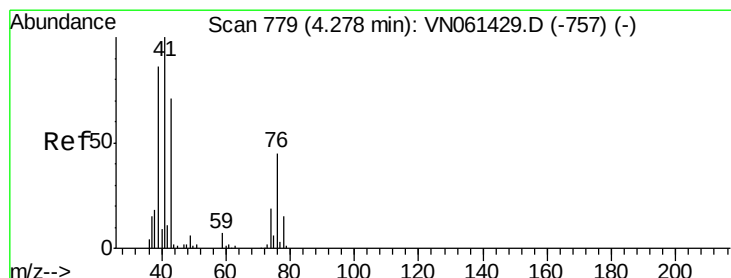
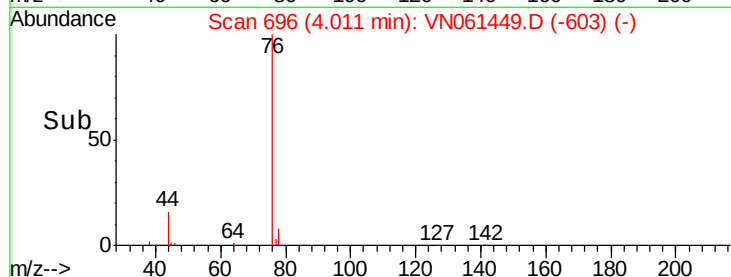
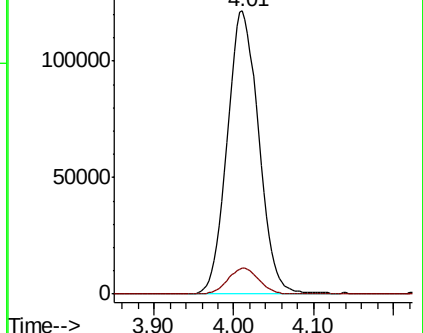
76 100

78 9.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN061449.D (-603) (-)

Ion 77.90 (77.60 to 78.60): VN061449.D (-603) (-)



#18

Methyl Acetate

Concen: 46.388 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061449.D

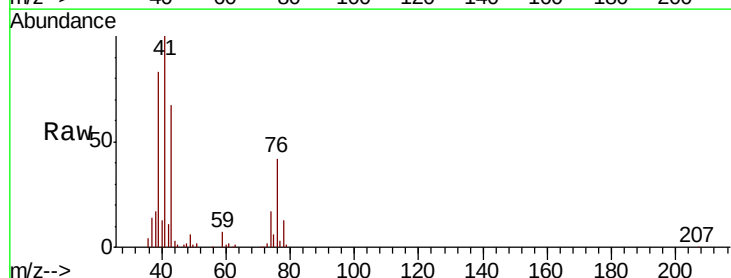
Acq: 18 May 2020 20:57

Tgt Ion: 43 Resp: 137440

Ion Ratio Lower Upper

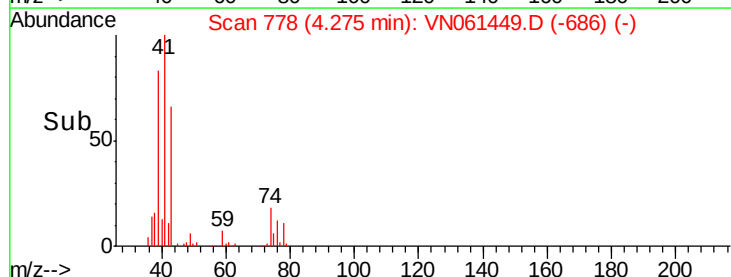
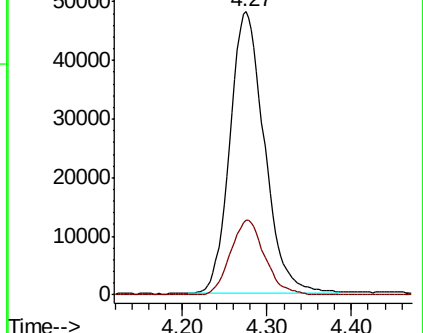
43 100

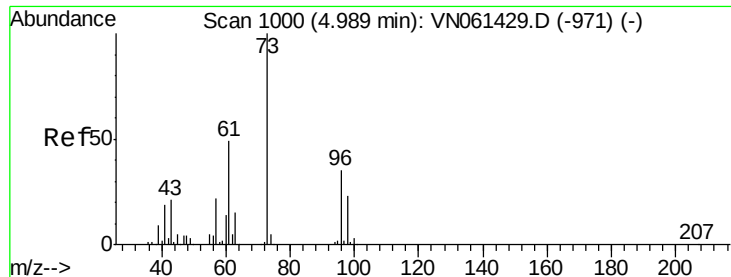
74 26.2 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN061449.D (-686) (-)

Ion 74.00 (73.70 to 74.70): VN061449.D (-686) (-)

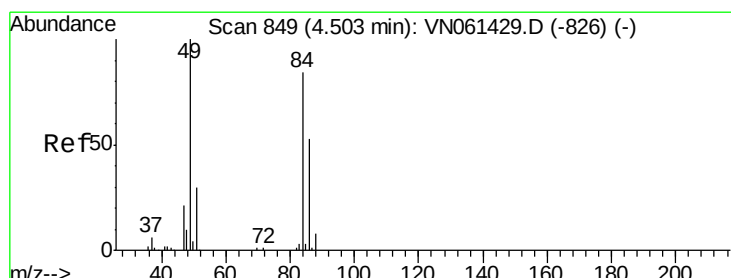
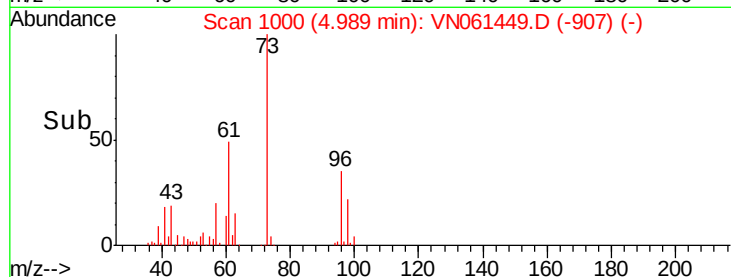
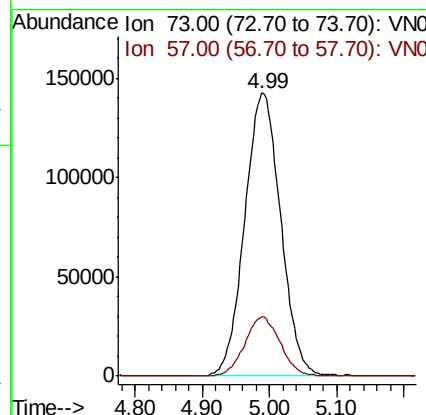
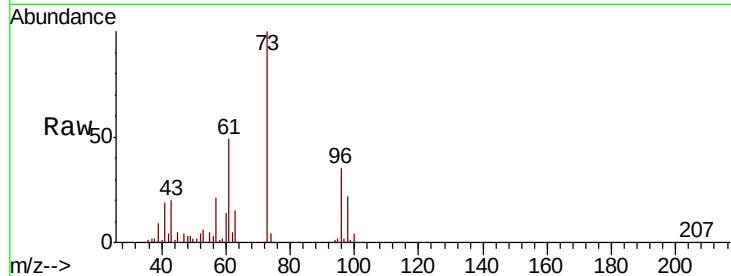




#19
Methyl tert-butyl Ether
Concen: 47.136 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

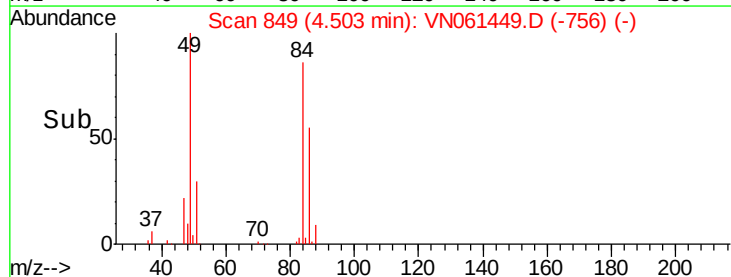
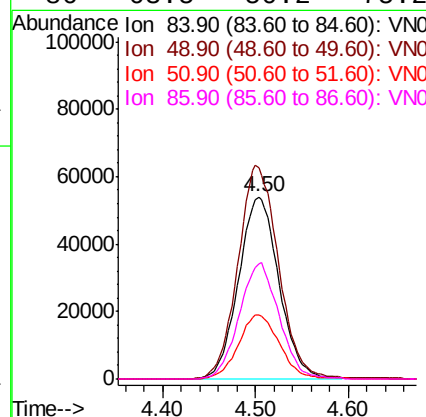
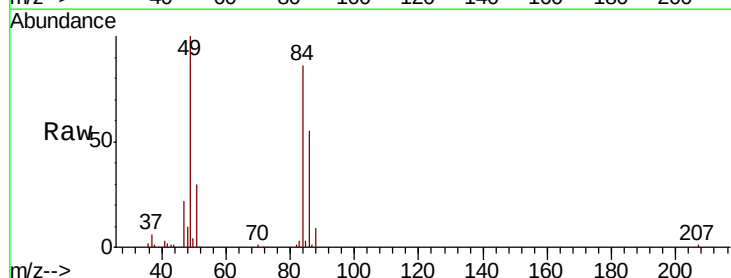
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

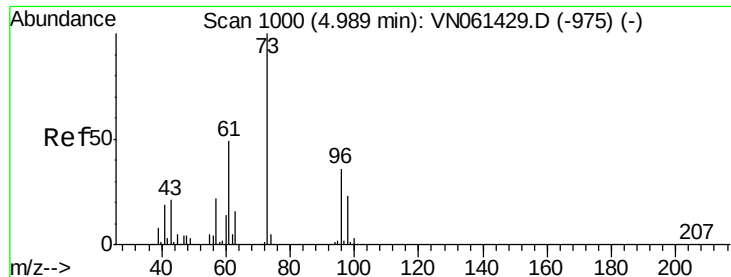
Tot Ion: 73 Resp: 529883
Ion Ratio Lower Upper
73 100
57 20.8 17.4 26.0



#20
Methylene Chloride
Concen: 46.038 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion: 84 Resp: 163192
Ion Ratio Lower Upper
84 100
49 115.8 95.3 142.9
51 35.2 29.0 43.6
86 63.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 47.293 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

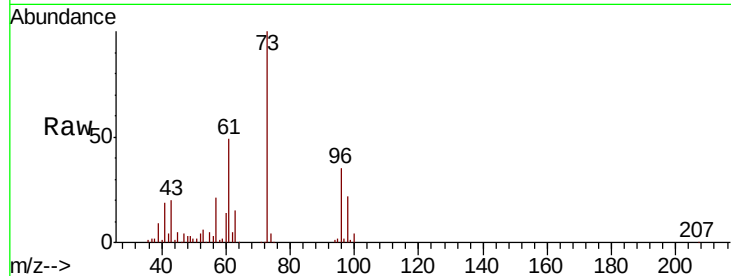
Tot Ion: 96 Resp: 161546

Ion Ratio Lower Upper

96 100

61 139.2 109.8 164.6

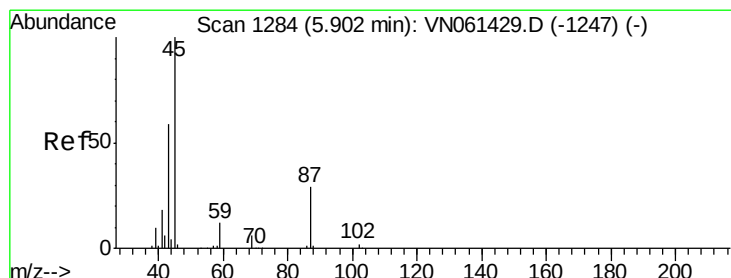
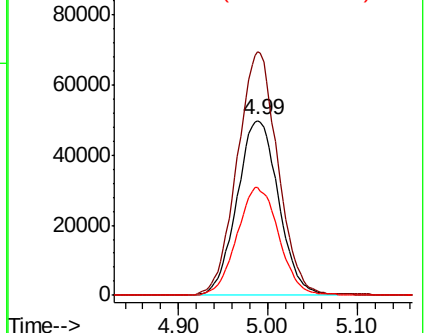
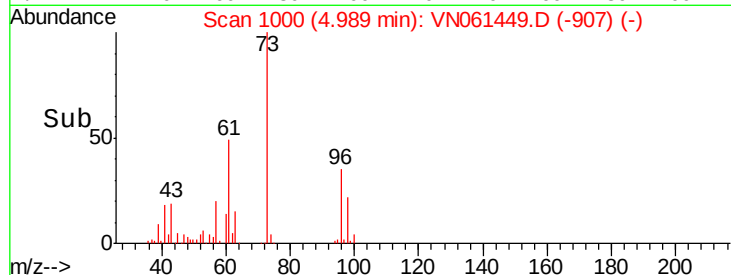
98 61.5 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VN061449.D (-907) (-)

Ion 60.90 (60.60 to 61.60): VN061449.D (-907) (-)

Ion 97.90 (97.60 to 98.60): VN061449.D (-907) (-)



#22

Diisopropyl ether

Concen: 47.049 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Tgt Ion: 45 Resp: 509694

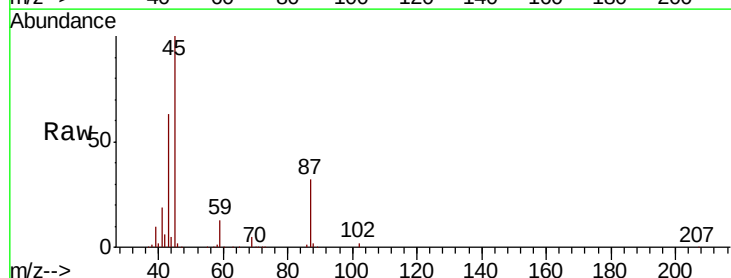
Ion Ratio Lower Upper

45 100

43 60.9 47.9 71.9

87 31.5 24.0 36.0

59 12.5 9.7 14.5

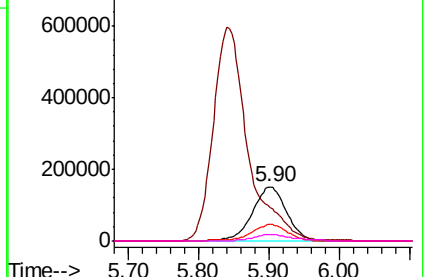
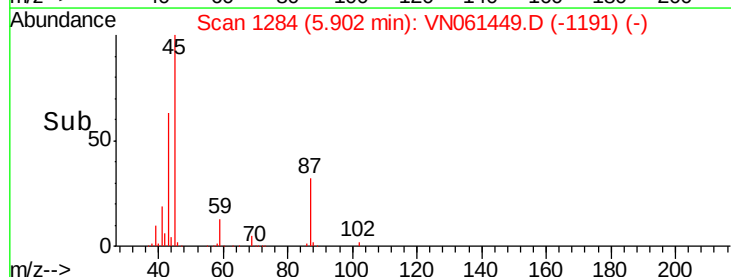


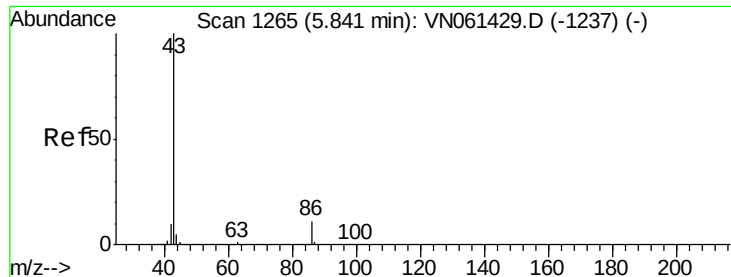
Abundance Ion 45.00 (44.70 to 45.70): VN061449.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061449.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061449.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061449.D (-1191) (-)

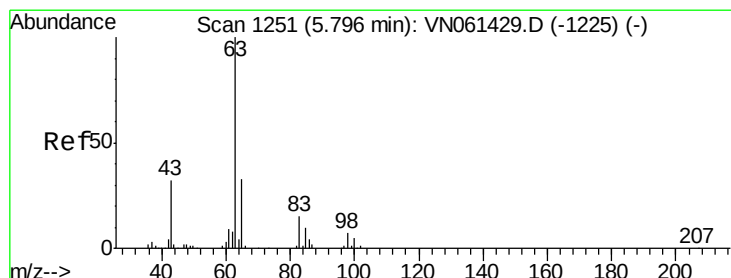
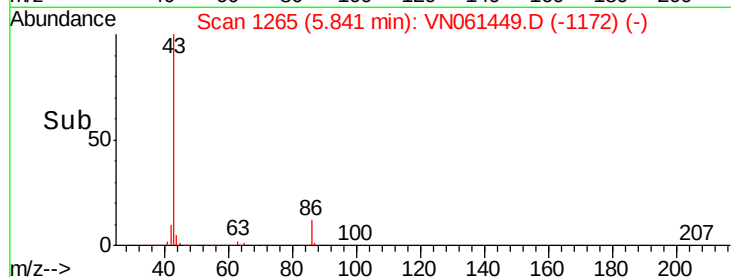
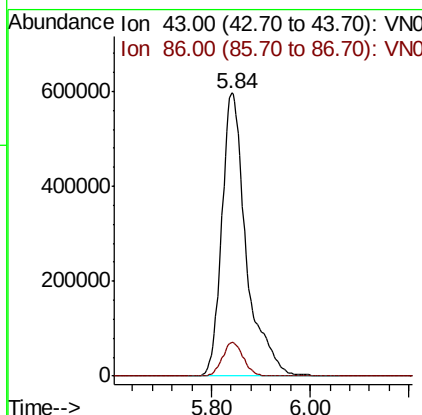
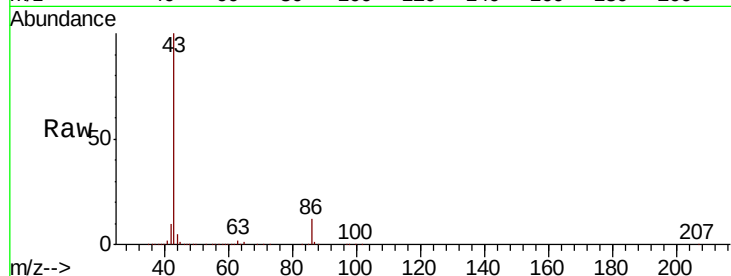




#23
 Vinyl Acetate
 Concen: 238.987 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

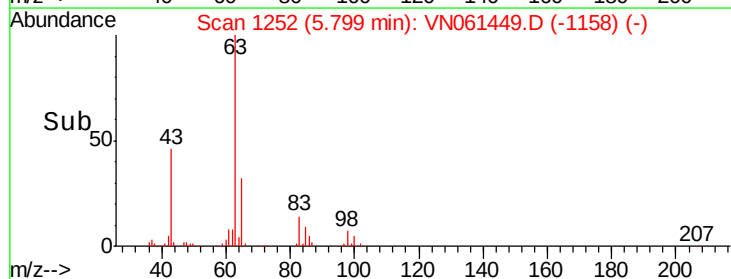
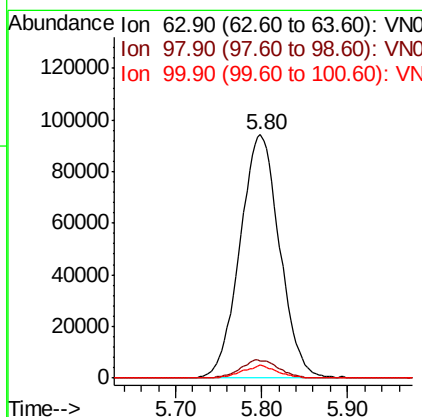
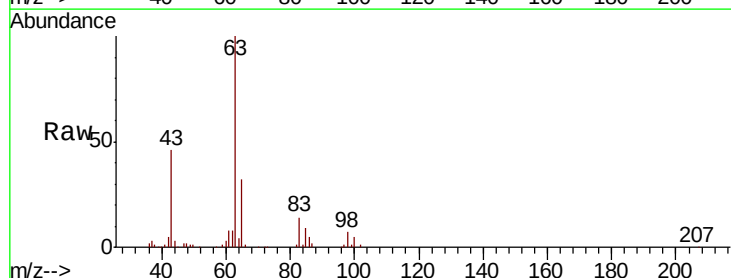
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

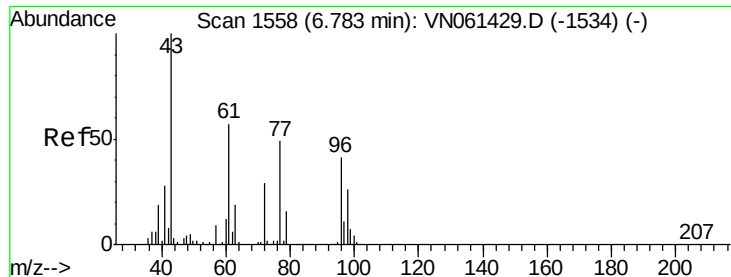
Tot Ion: 43 Resp: 2058811
 Ion Ratio Lower Upper
 43 100
 86 11.9 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 47.774 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion: 63 Resp: 301874
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.5 10.5
 100 5.2 2.3 6.9

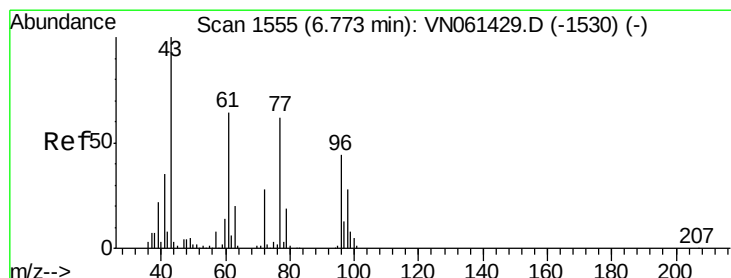
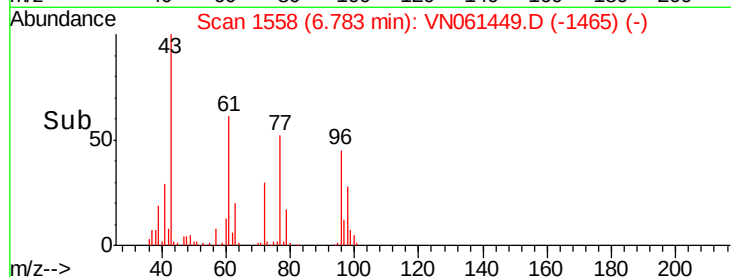
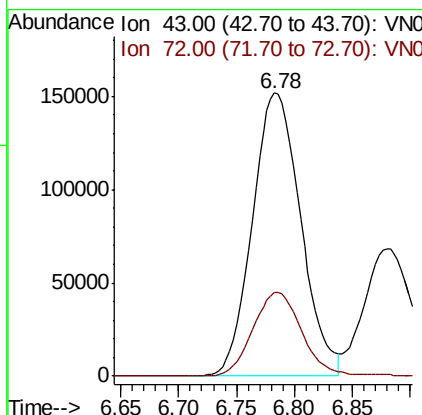
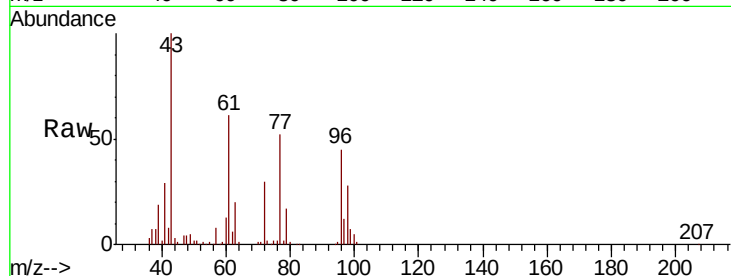




#25
 2-Butanone
 Concen: 223.969 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

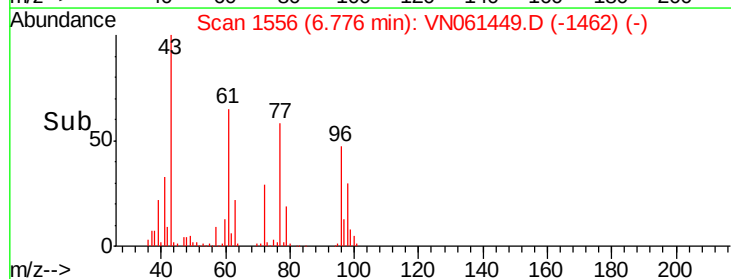
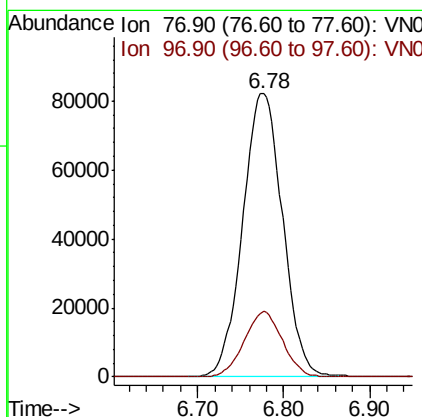
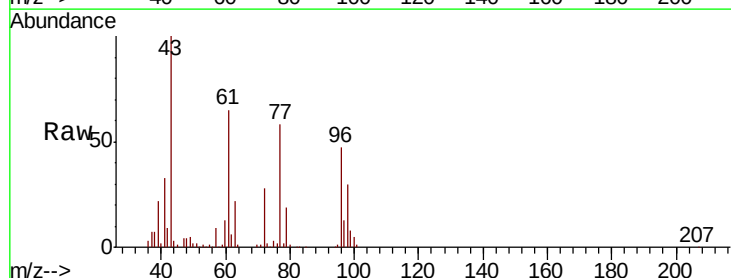
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

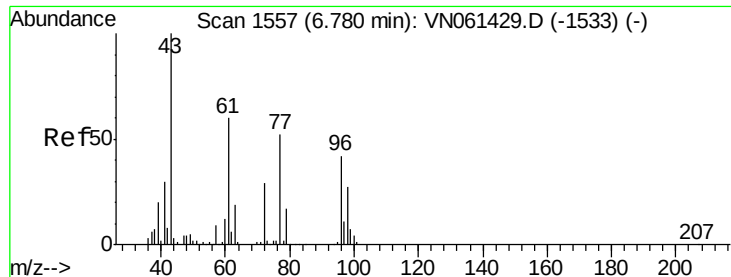
Tot Ion: 43 Resp: 439833
 Ion Ratio Lower Upper
 43 100
 72 29.6 23.0 34.6



#26
 2,2-Dichloropropane
 Concen: 43.995 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion: 77 Resp: 265006
 Ion Ratio Lower Upper
 77 100
 97 22.1 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 48.726 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

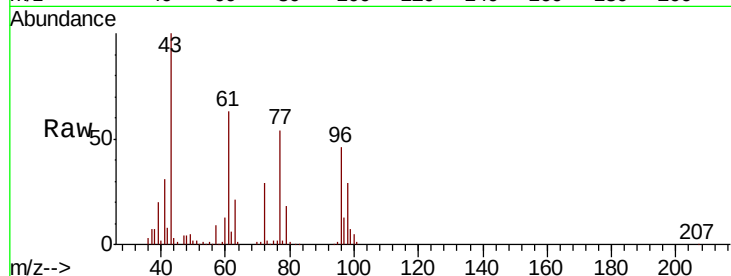
Tot Ion: 96 Resp: 196606

Ion Ratio Lower Upper

96 100

61 141.4 0.0 294.2

98 64.0 0.0 128.2

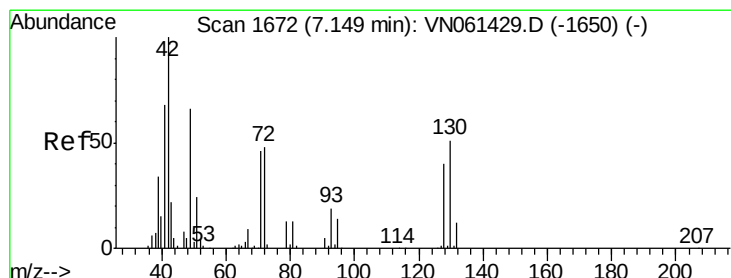
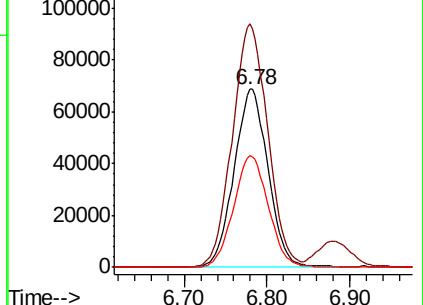
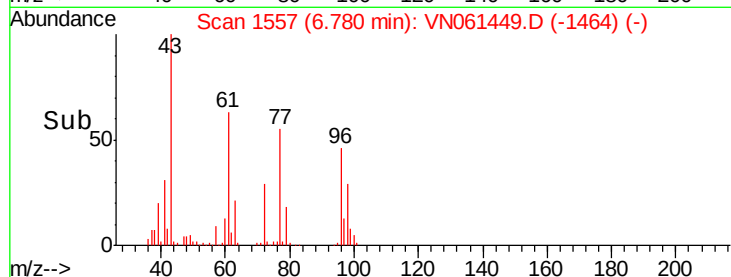


Abundance Ion 95.90 (95.60 to 96.60): VN061449.D (-1533) (-)

Ion 60.90 (60.60 to 61.60): VN061449.D (-1533) (-)

Ion 97.90 (97.60 to 98.60): VN061449.D (-1533) (-)

Time-->



#28

Bromochloromethane

Concen: 50.867 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

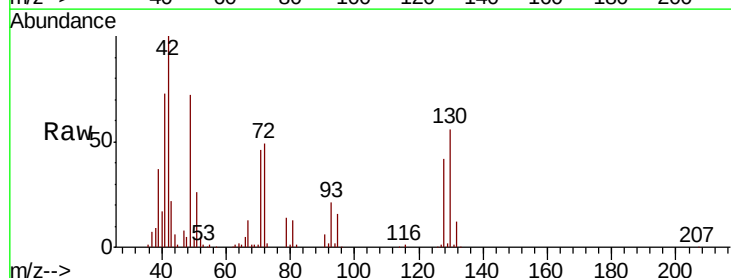
Tgt Ion: 49 Resp: 136429

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

130 79.5 62.2 93.2

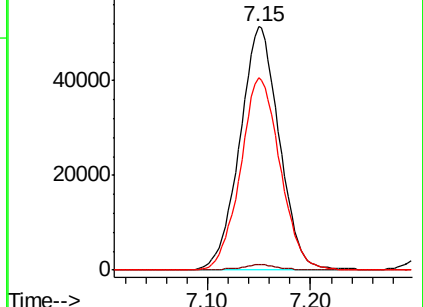
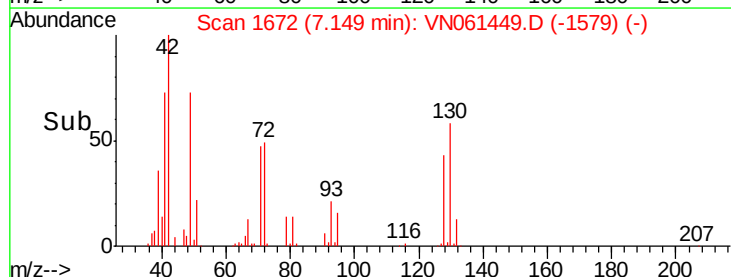


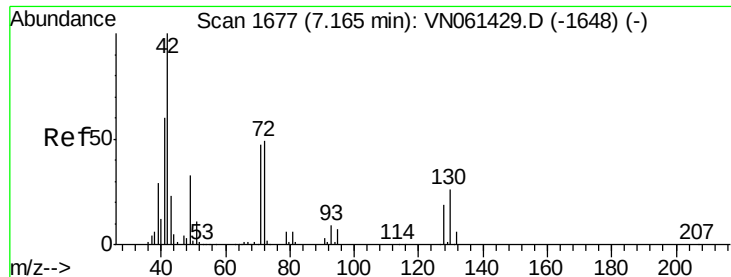
Abundance Ion 48.90 (48.60 to 49.60): VN061449.D (-1650) (-)

Ion 128.80 (128.50 to 129.50): VN061449.D (-1650) (-)

Ion 129.80 (129.50 to 130.50): VN061449.D (-1650) (-)

Time-->





#29

Tetrahydrofuran

Concen: 227.872 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

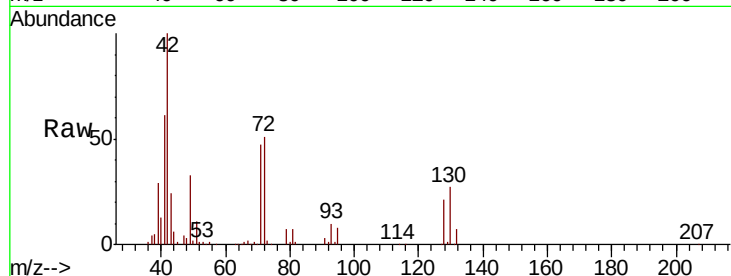
Tot Ion: 42 Resp: 296365

Ion Ratio Lower Upper

42 100

72 49.8 39.0 58.6

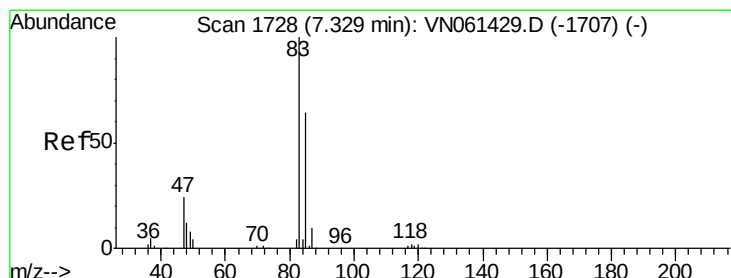
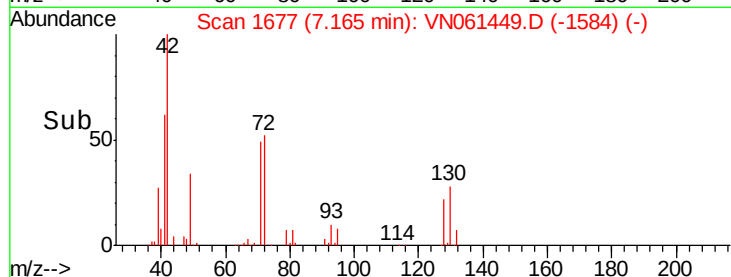
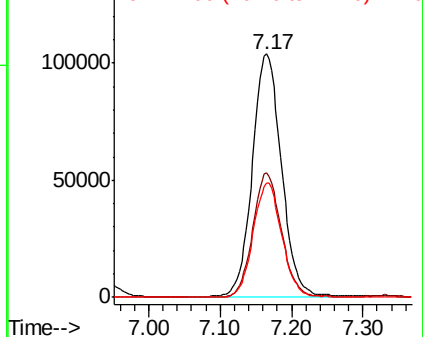
71 45.9 36.9 55.3



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: 49.671 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN061449.D

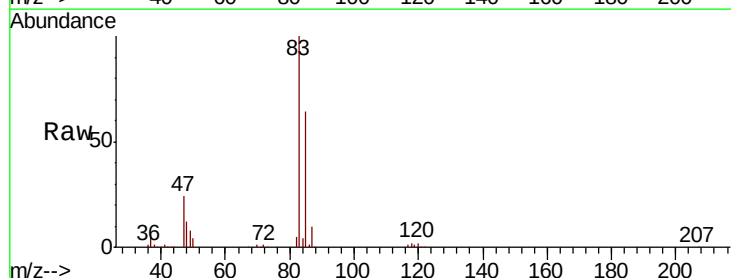
Acq: 18 May 2020 20:57

Tgt Ion: 83 Resp: 327814

Ion Ratio Lower Upper

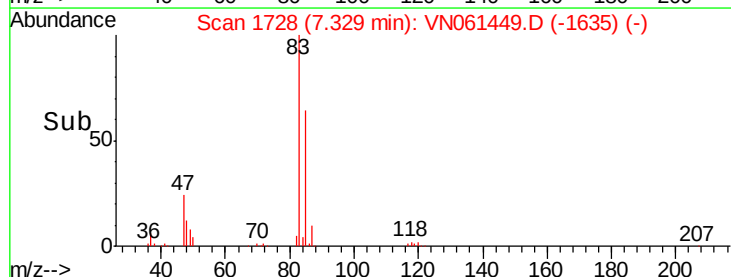
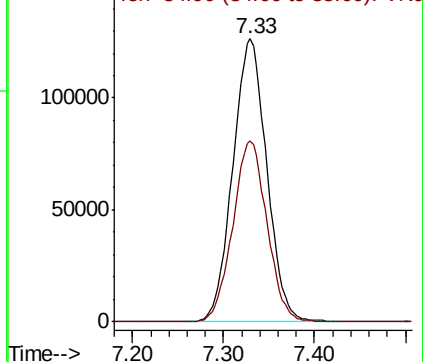
83 100

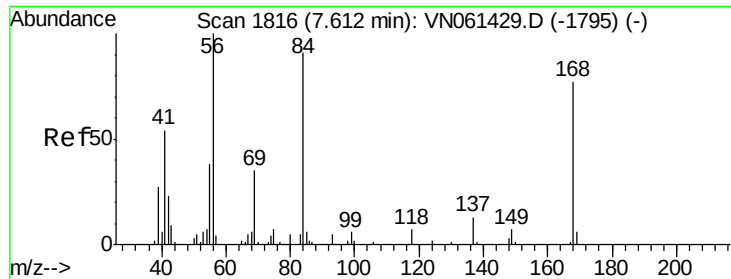
85 63.9 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 46.211 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

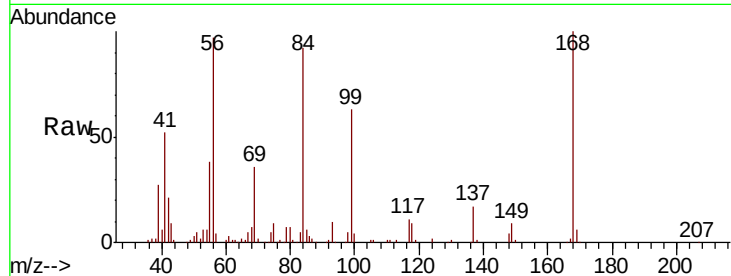
Tot Ion: 56 Resp: 258258

Ion Ratio Lower Upper

56 100

69 36.8 27.8 41.6

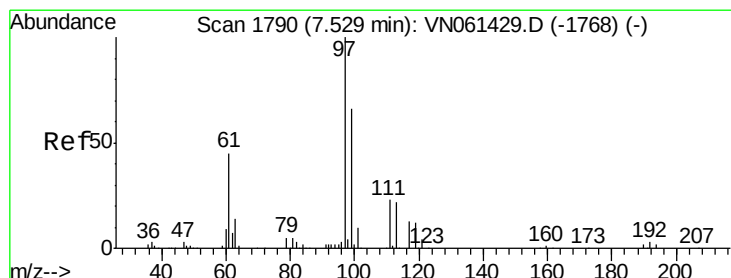
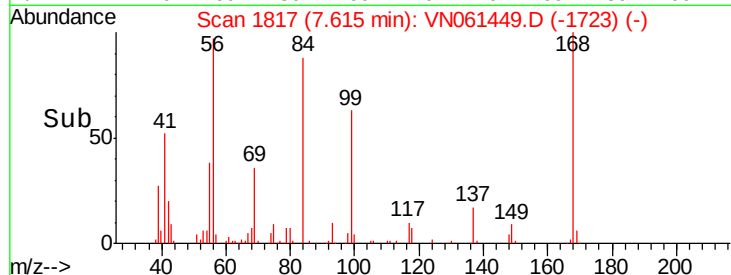
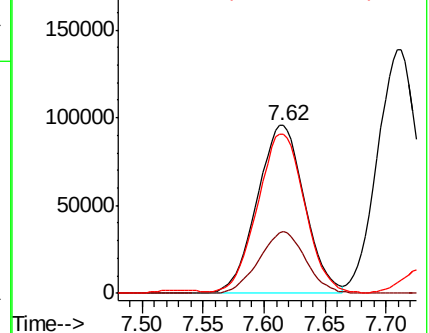
84 93.4 72.7 109.1



Abundance Ion 56.00 (55.70 to 56.70): VN061429.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN061429.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061429.D (-1795) (-)



#32

1,1,1-Trichloroethane

Concen: 48.996 ug/l

RT: 7.53 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

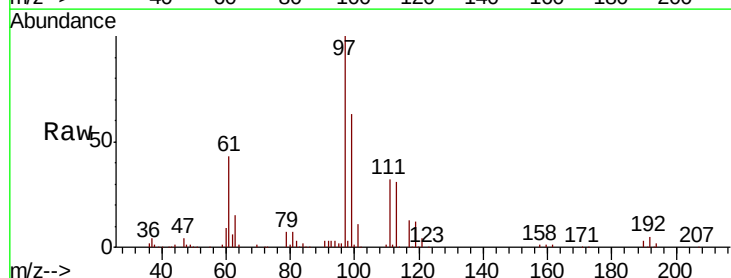
Tgt Ion: 97 Resp: 295482

Ion Ratio Lower Upper

97 100

99 64.2 51.5 77.3

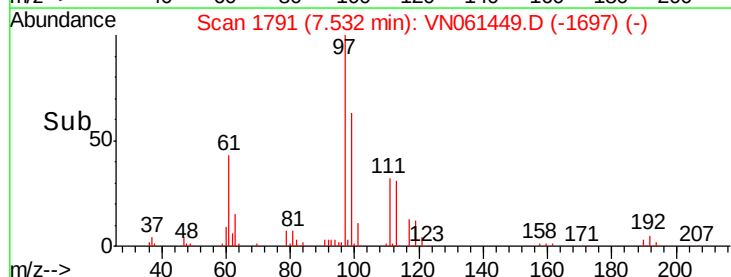
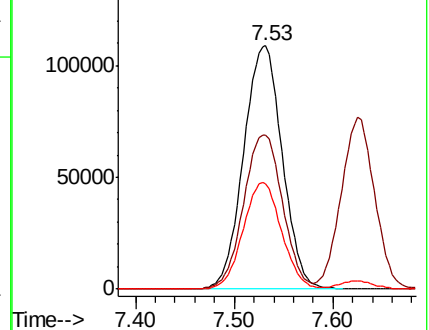
61 43.5 35.8 53.6

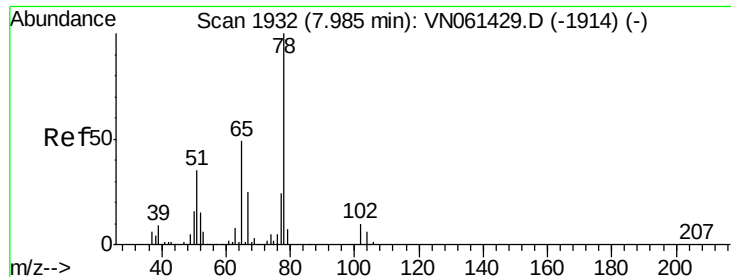


Abundance Ion 96.90 (96.60 to 97.60): VN061429.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN061429.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN061429.D (-1768) (-)

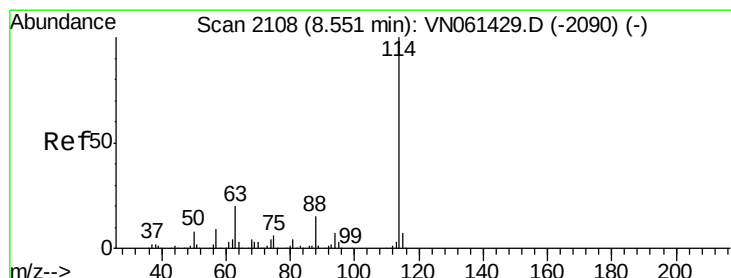
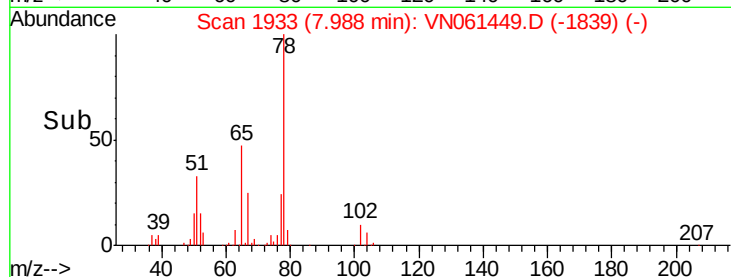
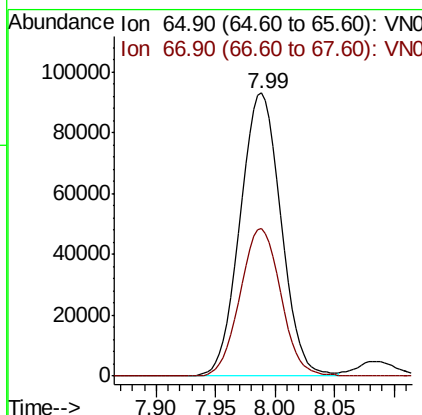
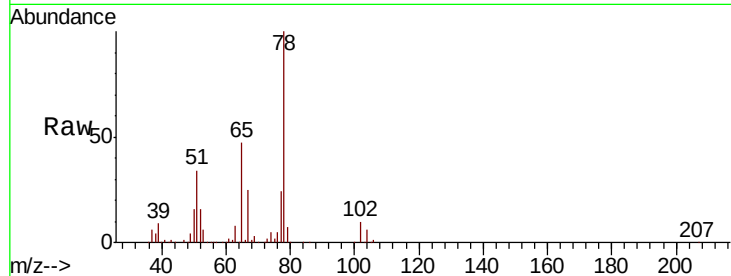




#33
 1,2-Dichloroethane-d4
 Concen: 51.423 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

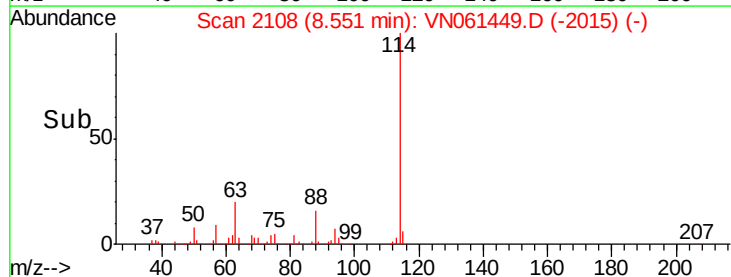
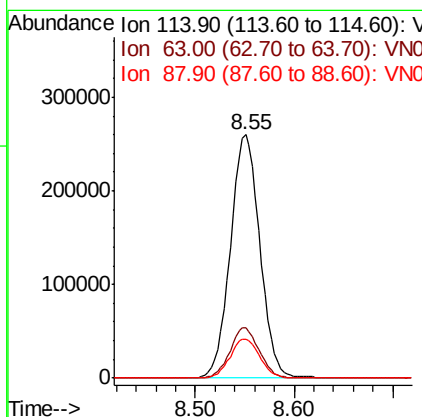
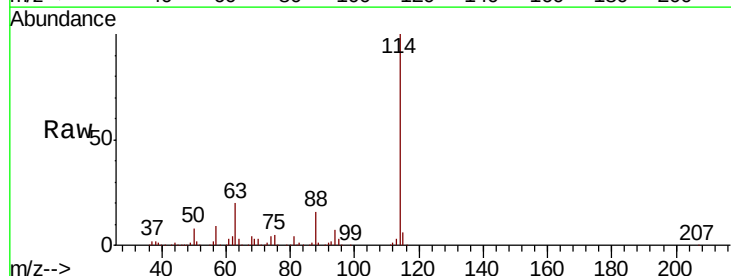
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

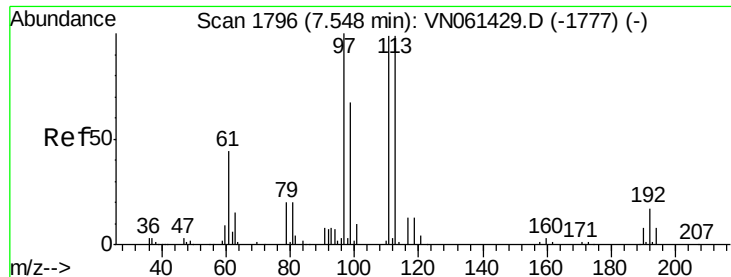
Tot Ion: 65 Resp: 221797
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion: 114 Resp: 540287
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 15.9 0.0 30.8

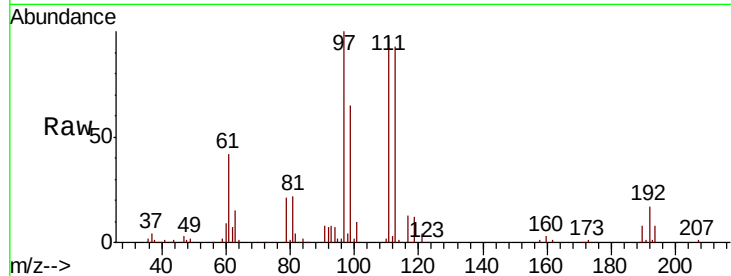




#35
 Dibromofluoromethane
 Concen: 51.158 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	80.6	121.0
192	18.2	13.2	19.8

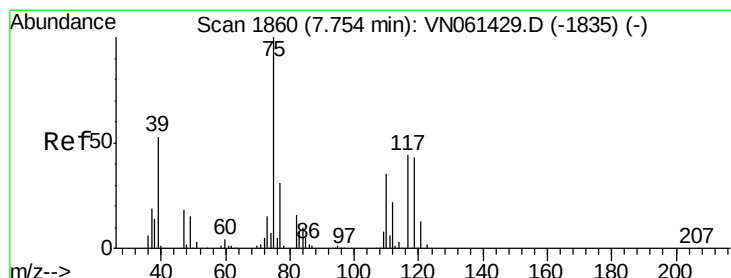
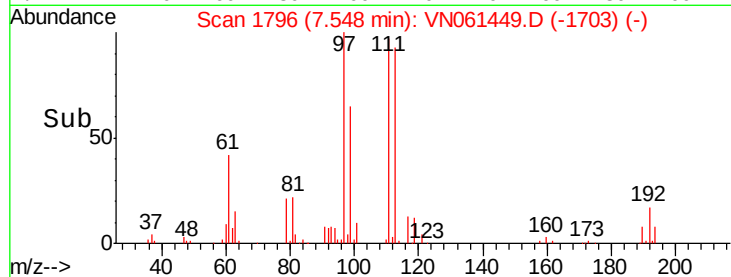
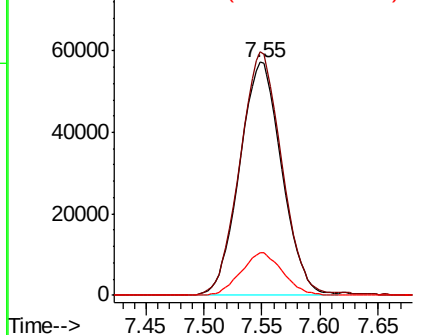


Abundance

Ion 112.80 (112.50 to 113.50): V

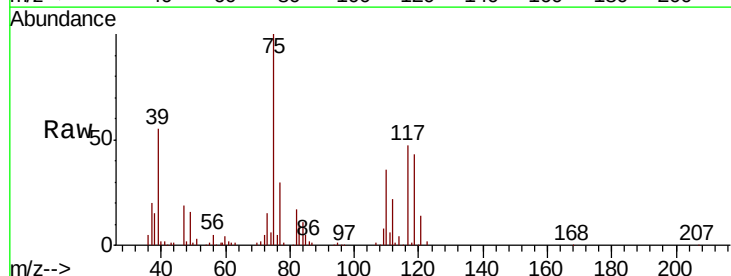
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 47.579 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.3	51.9
77	31.4	24.9	37.3

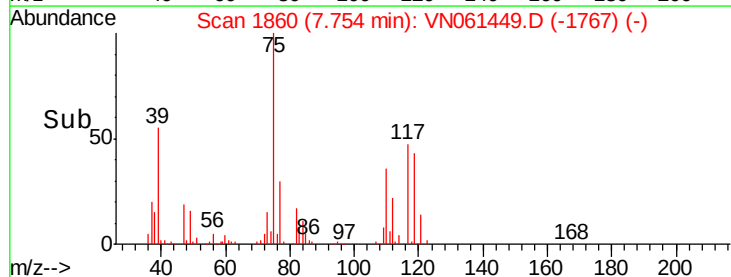
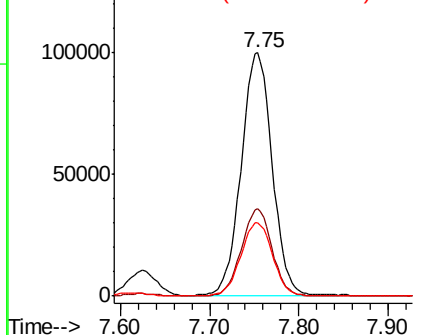


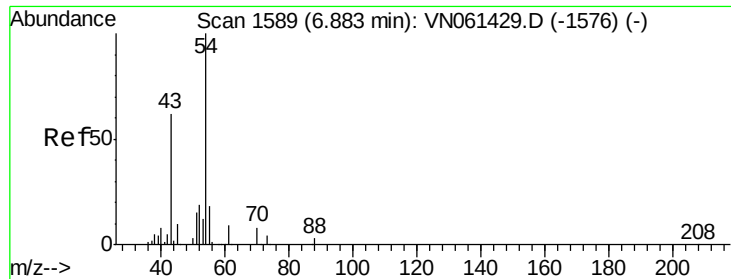
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

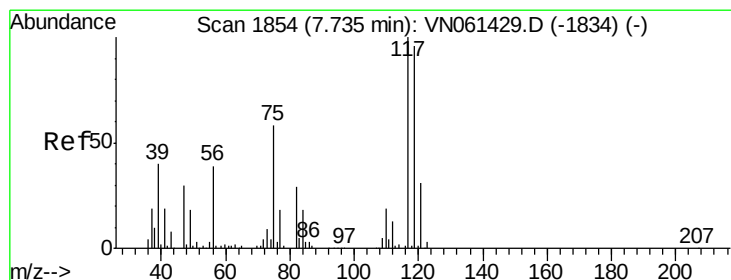
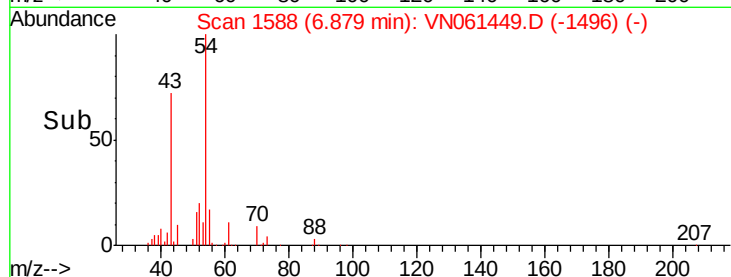
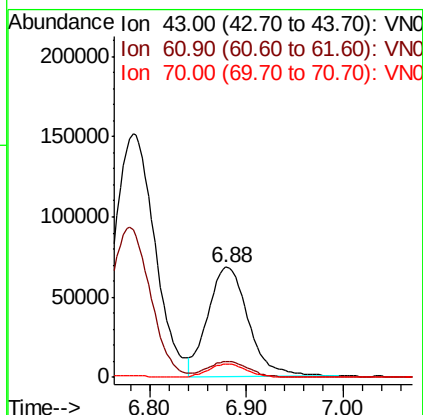
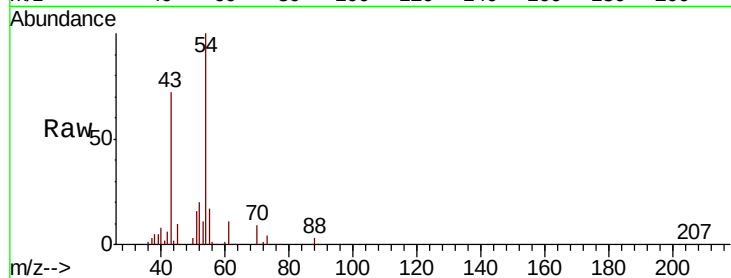




#37
Ethyl Acetate
Concen: 43.518 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

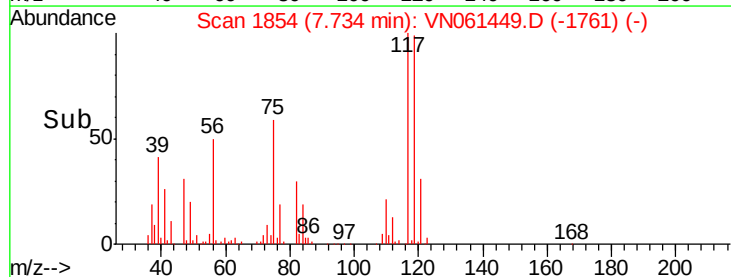
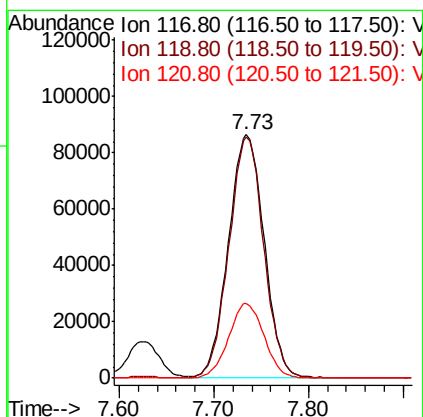
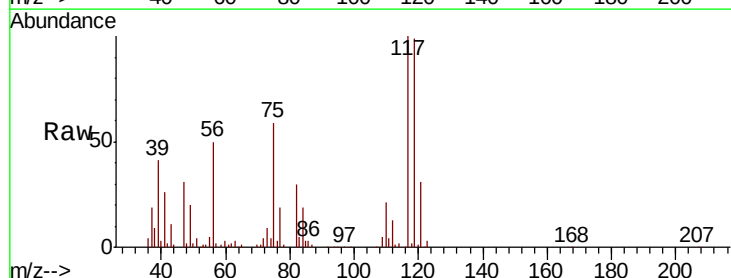
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

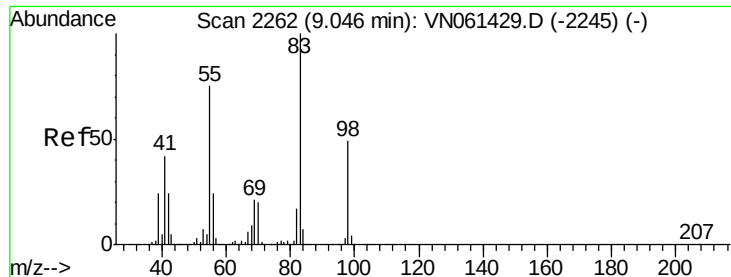
Tot Ion: 43 Resp: 199381
Ion Ratio Lower Upper
43 100
61 14.5 11.7 17.5
70 11.7 9.2 13.8



#38
Carbon Tetrachloride
Concen: 48.681 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion: 117 Resp: 226457
Ion Ratio Lower Upper
117 100
119 99.0 77.0 115.6
121 30.7 24.7 37.1

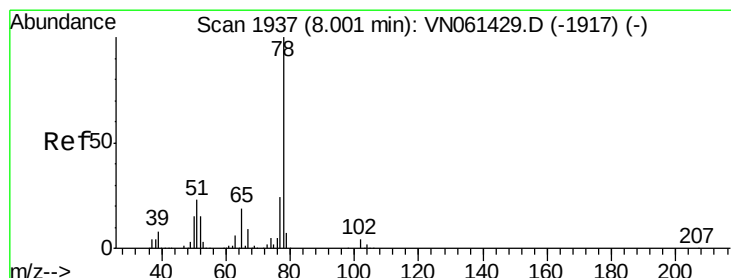
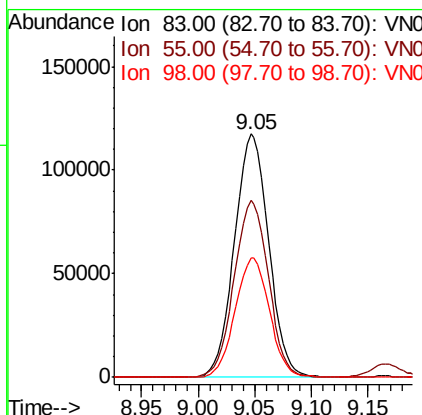
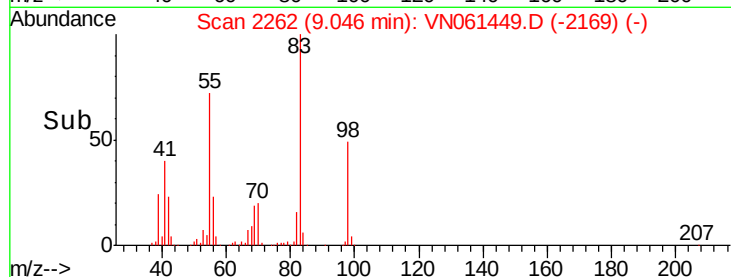
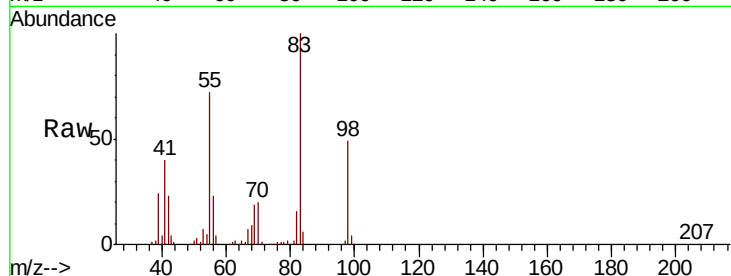




#39
Methylvlcyclohexane
Concen: 40.260 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

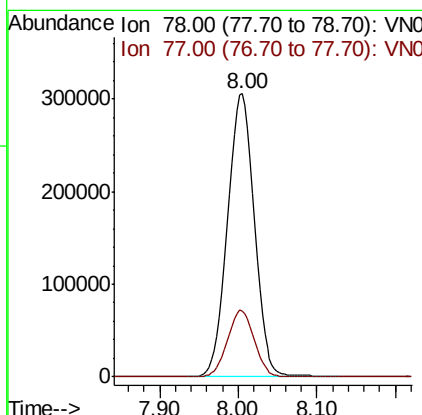
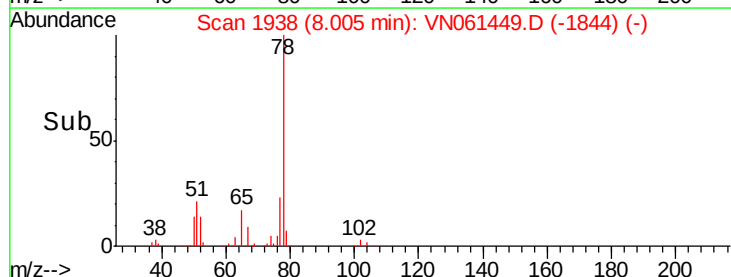
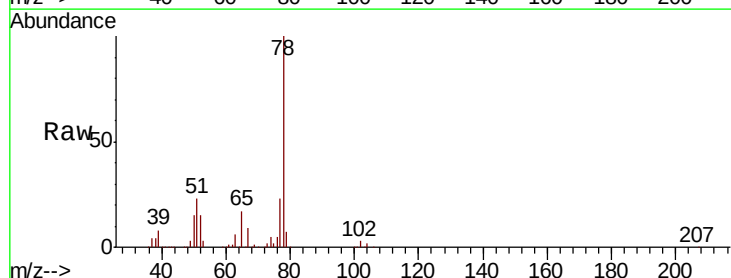
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

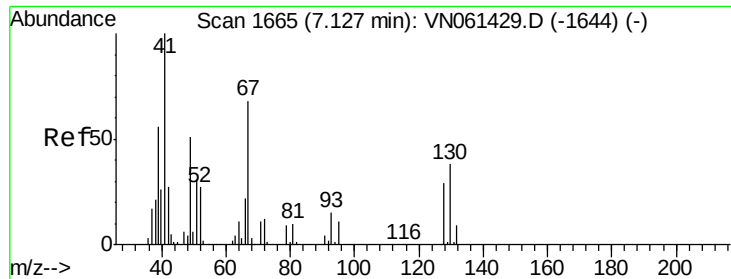
Tot Ion: 83 Resp: 248419
Ion Ratio Lower Upper
83 100
55 72.5 59.7 89.5
98 48.9 38.9 58.3



#40
Benzene
Concen: 47.502 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion: 78 Resp: 723188
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

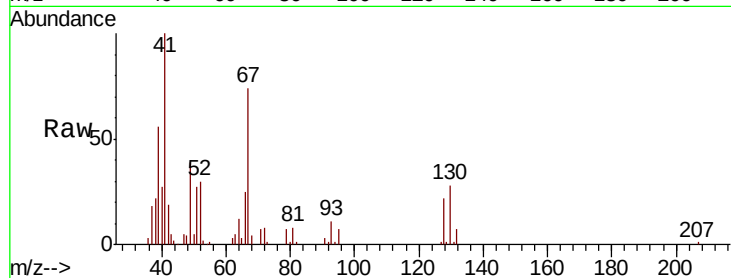




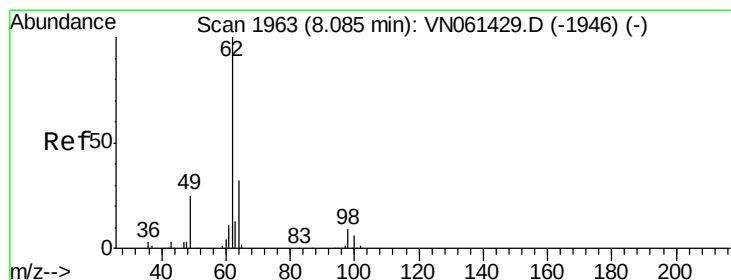
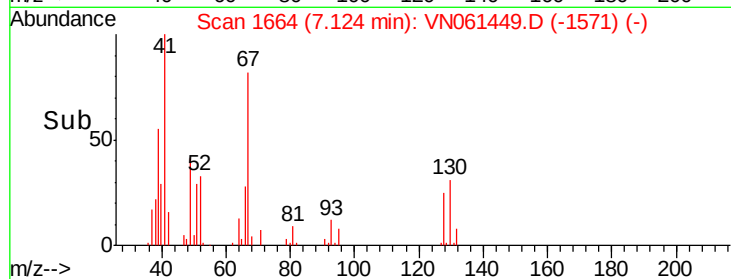
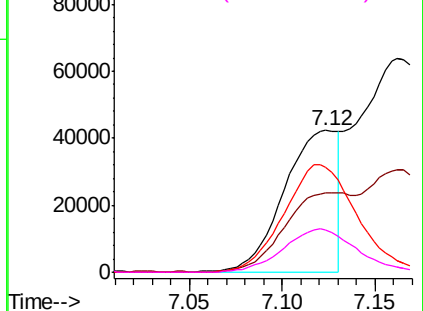
#41
Methacrylonitrile
Concen: 44.253 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 85634
Ion Ratio Lower Upper
41 100
39 70.7 48.3 72.5
67 102.8 74.2 111.4
52 41.3 30.8 46.2

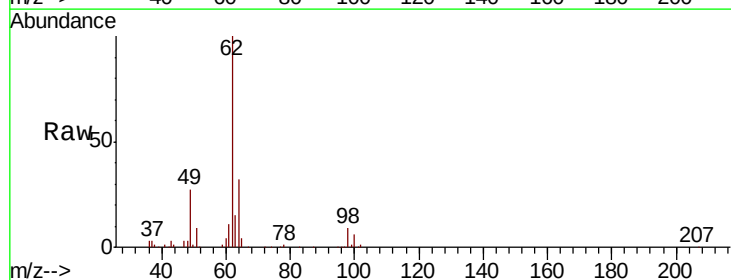


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

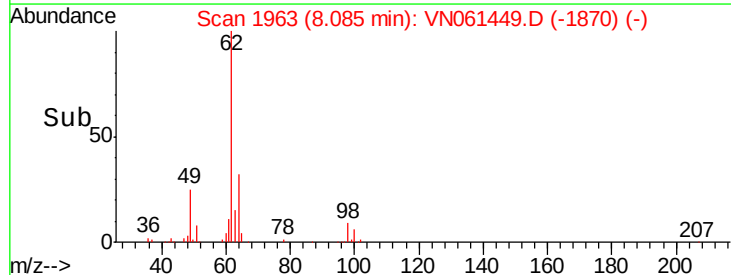
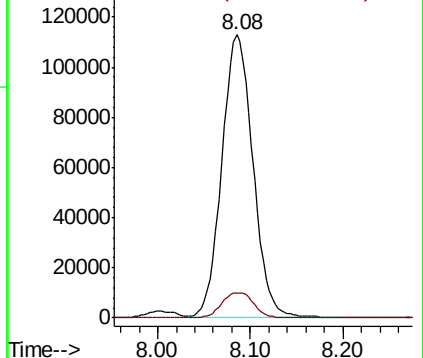


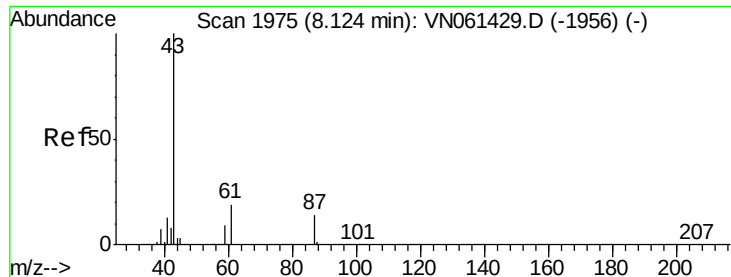
#42
1,2-Dichloroethane
Concen: 47.780 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion: 62 Resp: 262081
Ion Ratio Lower Upper
62 100
98 9.2 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: 46.724 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

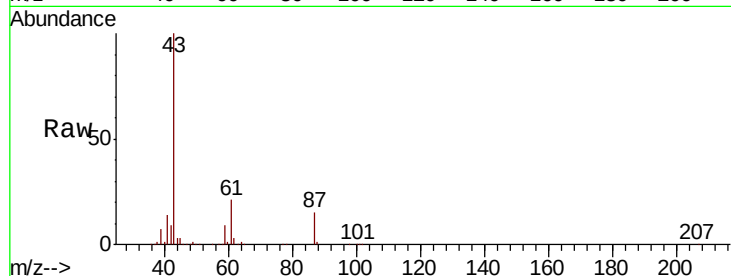
Tot Ion: 43 Resp: 373363

Ion Ratio Lower Upper

43 100

61 28.3 23.0 34.4

87 14.6 11.6 17.4

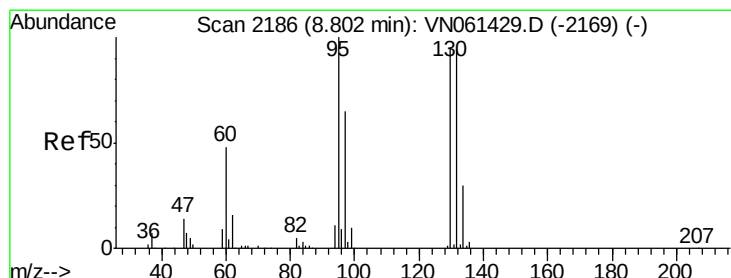
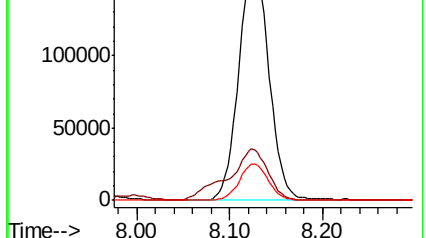
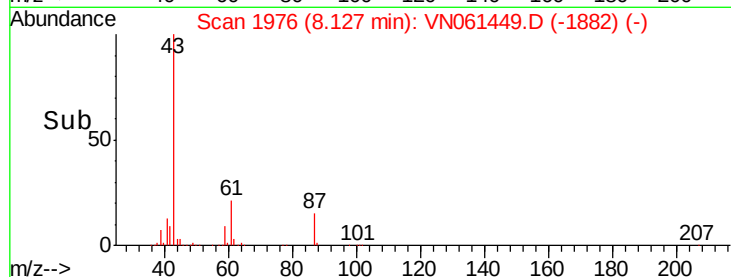


Abundance Ion 43.00 (42.70 to 43.70): VN061449.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061449.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061449.D (-1956) (-)

8.13



#44

Trichloroethene

Concen: 50.115 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061449.D

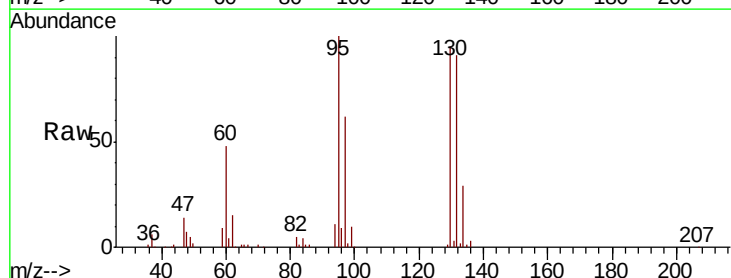
Acq: 18 May 2020 20:57

Tgt Ion:130 Resp: 199918

Ion Ratio Lower Upper

130 100

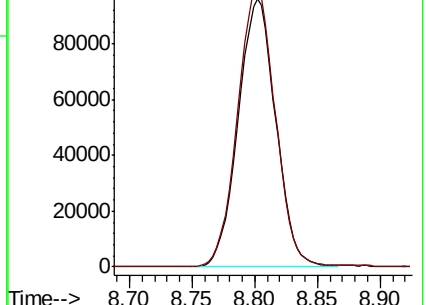
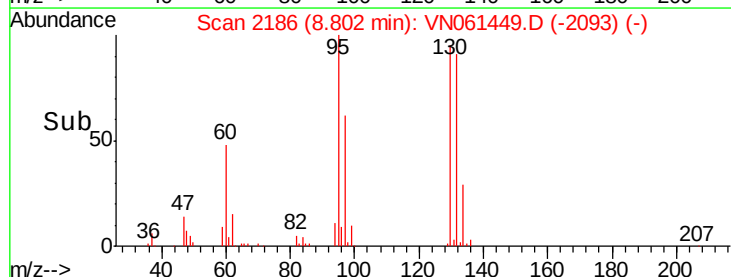
95 105.4 0.0 209.8

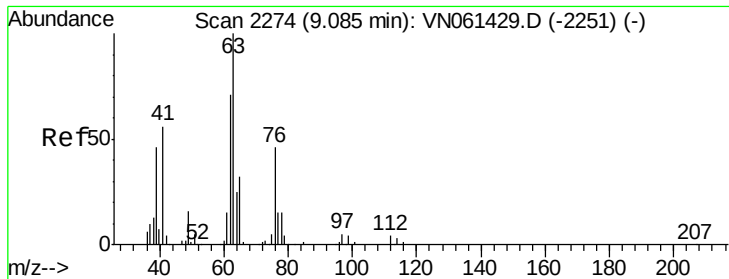


Abundance Ion 129.80 (129.50 to 130.50): VN061449.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061449.D (-2169) (-)

8.80





#45

1,2-Dichloropropane

Concen: 48.365 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

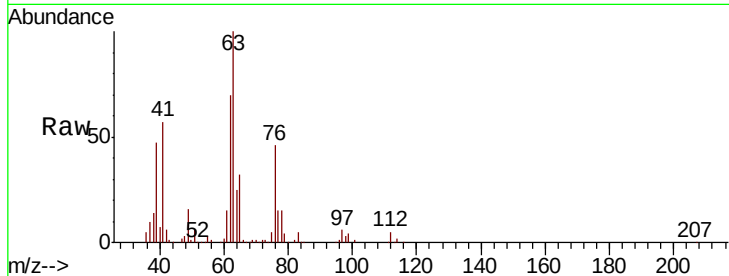
VSTDCCC050EC

Tot Ion: 63 Resp: 184304

Ion Ratio Lower Upper

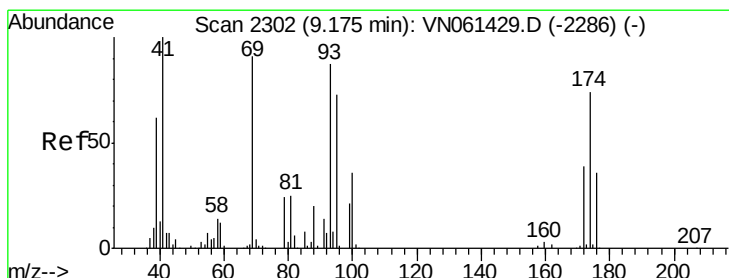
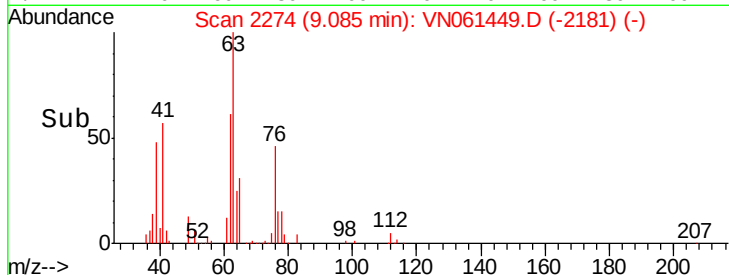
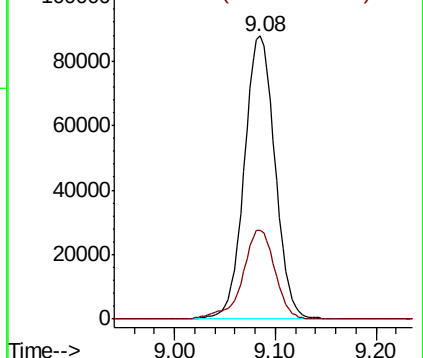
63 100

65 31.6 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.152 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

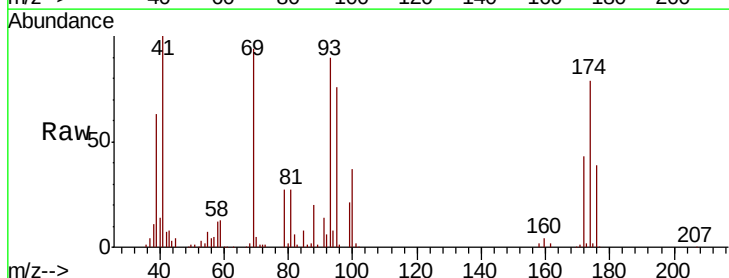
Tgt Ion: 93 Resp: 128633

Ion Ratio Lower Upper

93 100

95 83.7 65.6 98.4

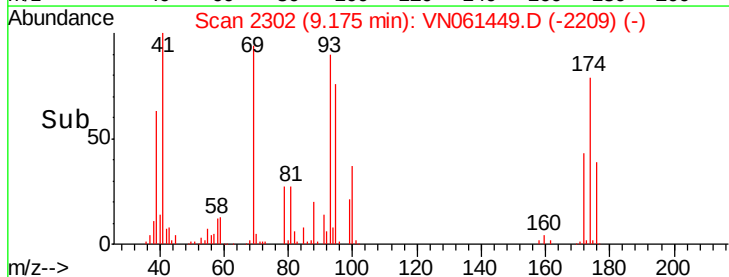
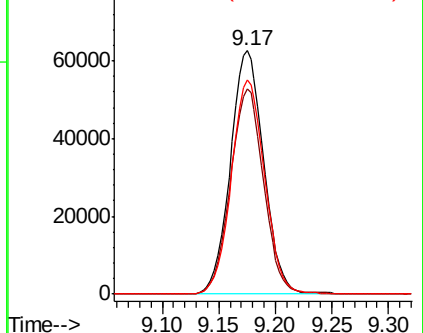
174 87.8 68.0 102.0

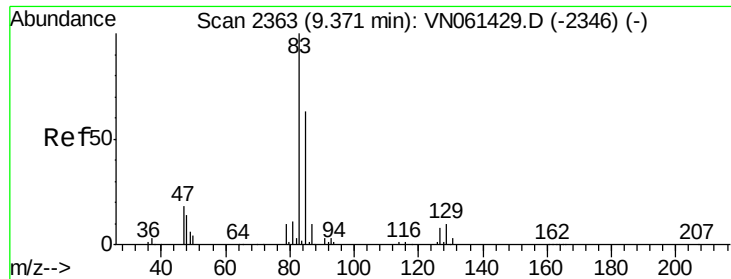


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.345 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

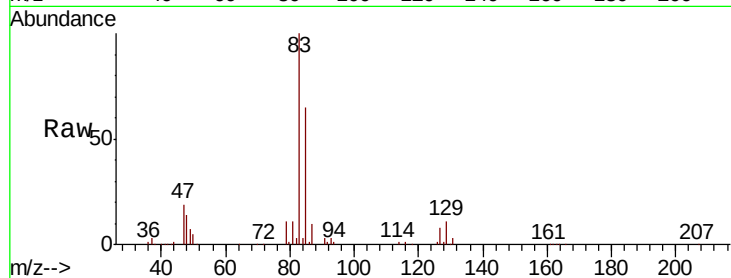
Tot Ion: 83 Resp: 272114

Ion Ratio Lower Upper

83 100

85 64.9 50.6 76.0

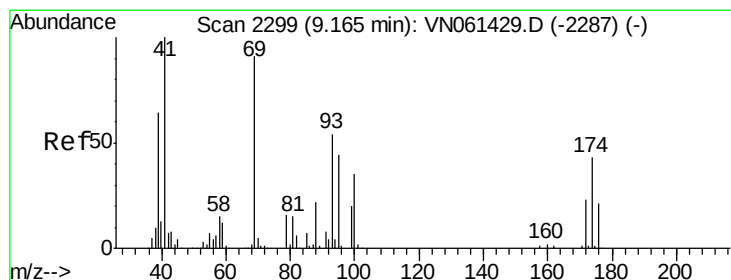
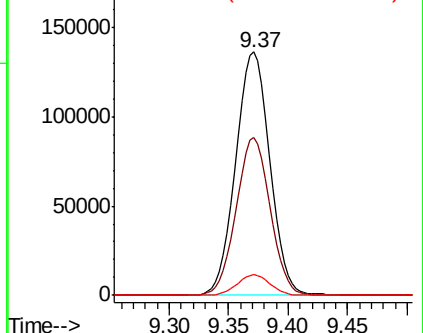
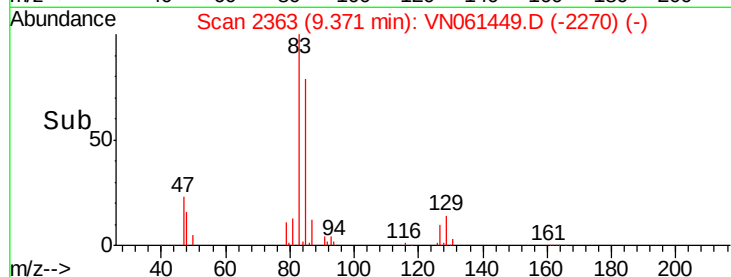
127 8.4 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061449.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061449.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061449.D (-2270) (-)



#48

Methyl methacrylate

Concen: 44.870 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

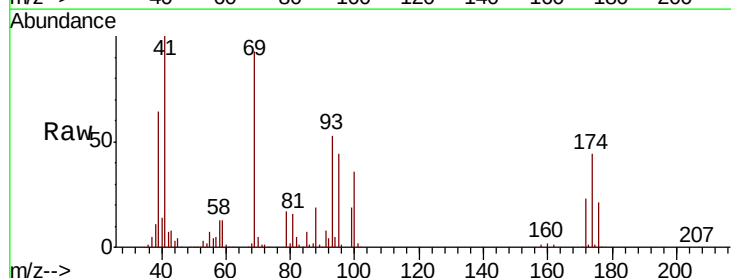
Tgt Ion: 41 Resp: 165634

Ion Ratio Lower Upper

41 100

69 96.4 75.3 112.9

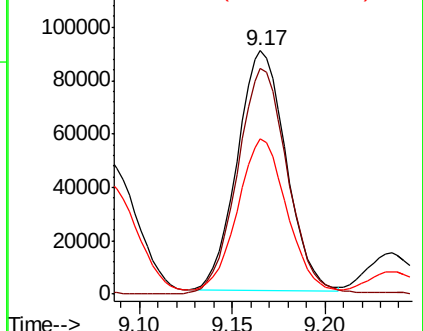
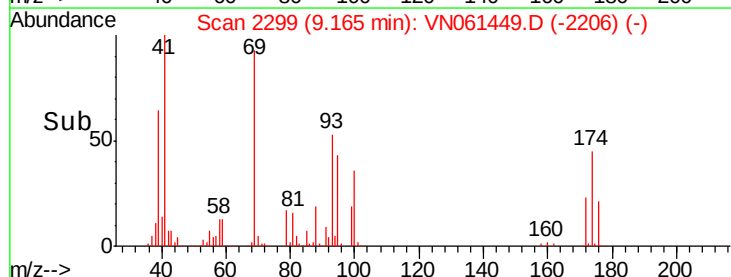
39 65.8 52.6 79.0

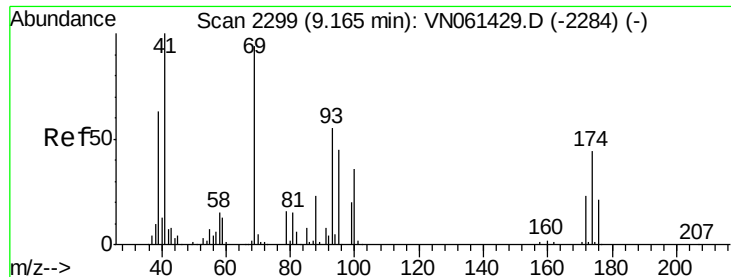


Abundance Ion 41.00 (40.70 to 41.70): VN061449.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061449.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061449.D (-2206) (-)

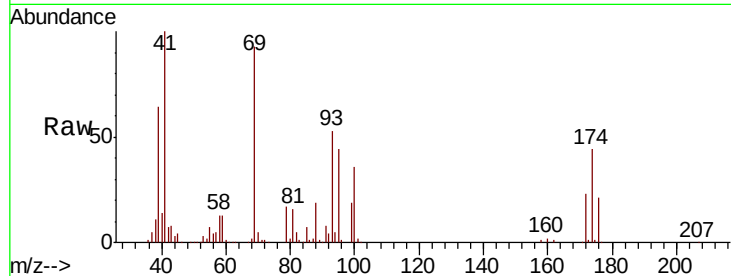




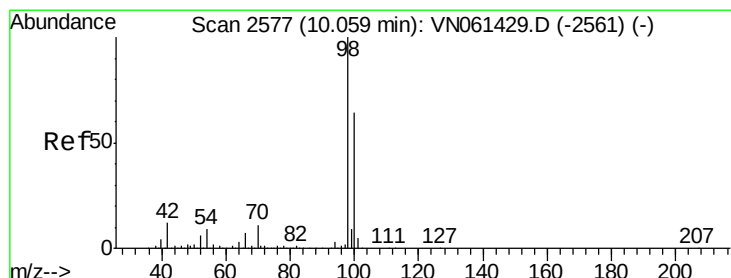
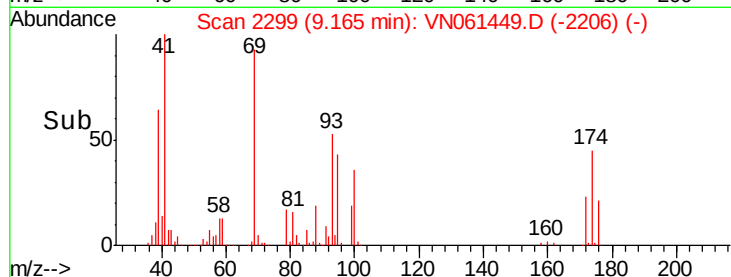
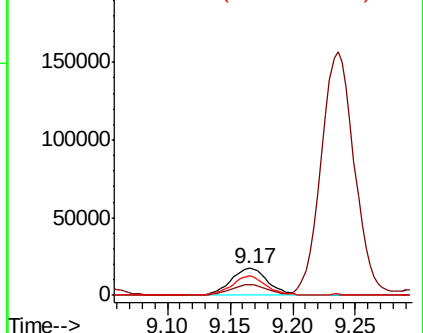
#49
1,4-Dioxane
Concen: 926.580 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 36083
Ion Ratio Lower Upper
88 100
43 38.4 26.3 39.5
58 66.1 54.1 81.1

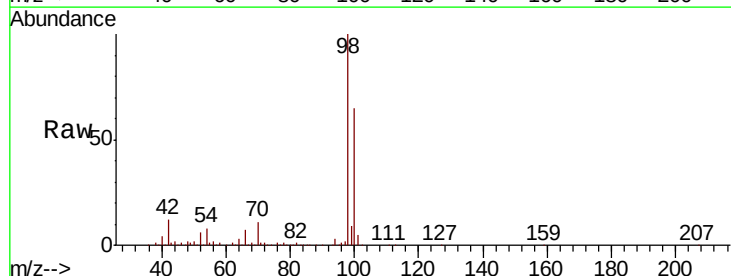


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

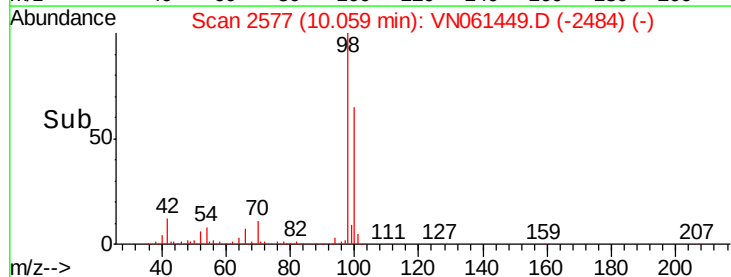
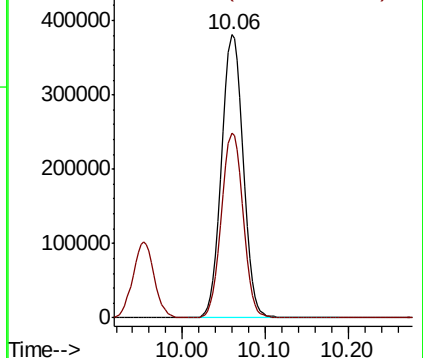


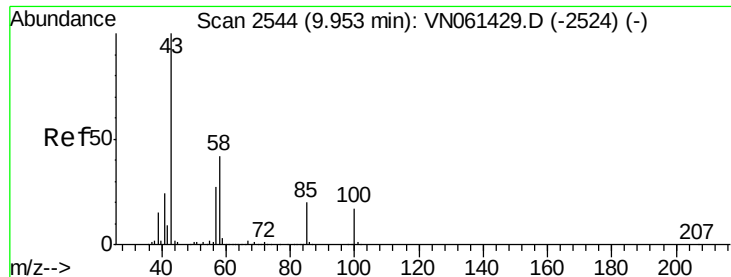
#50
Toluene-d8
Concen: 52.503 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion: 98 Resp: 689268
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8



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

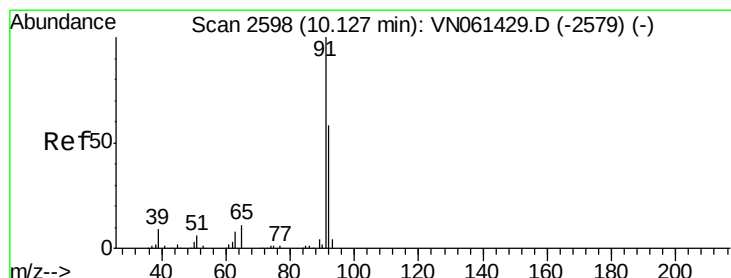
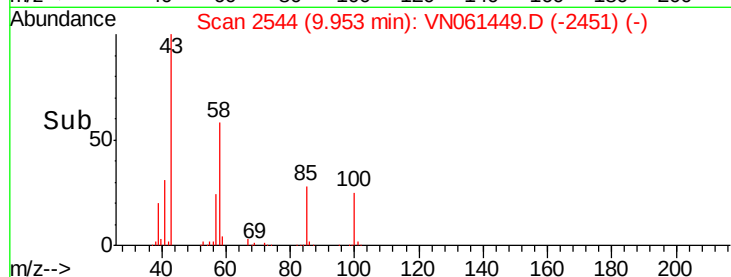
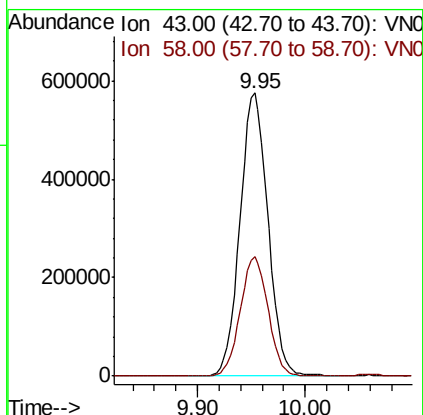
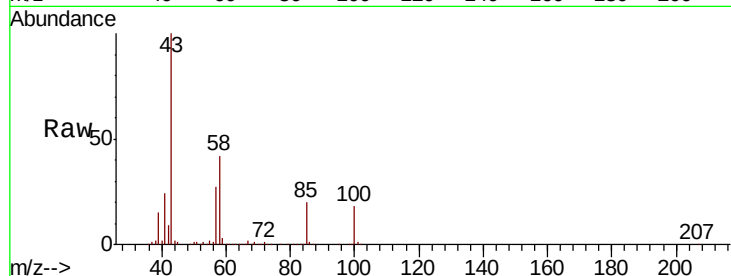




#51
 4-Methyl-2-Pentanone
 Concen: 238.313 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

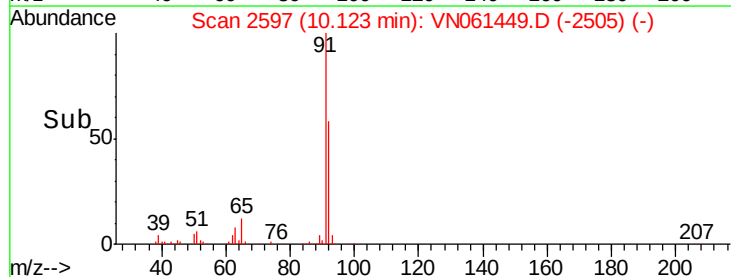
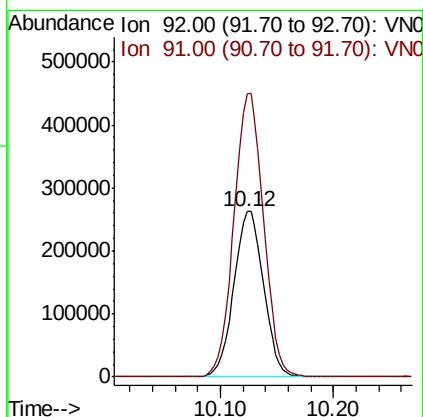
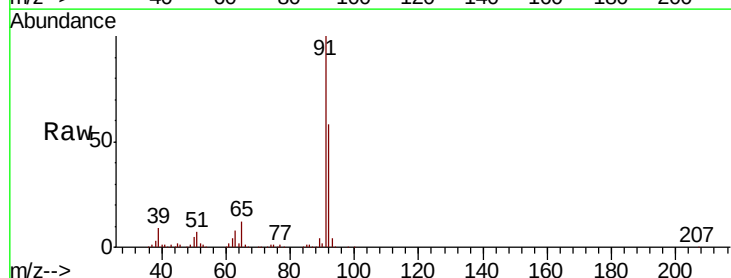
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

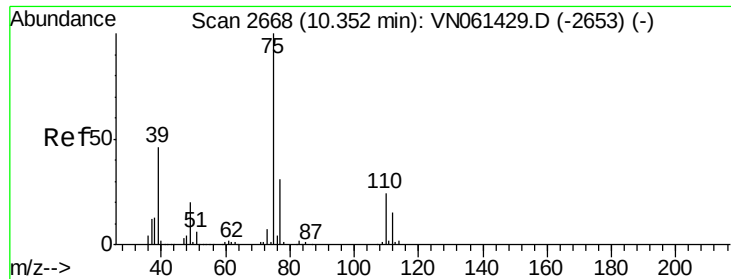
Tot Ion: 43 Resp: 1037381
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.4 50.2



#52
 Toluene
 Concen: 49.104 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion: 92 Resp: 479951
 Ion Ratio Lower Upper
 92 100
 91 171.4 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 48.632 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

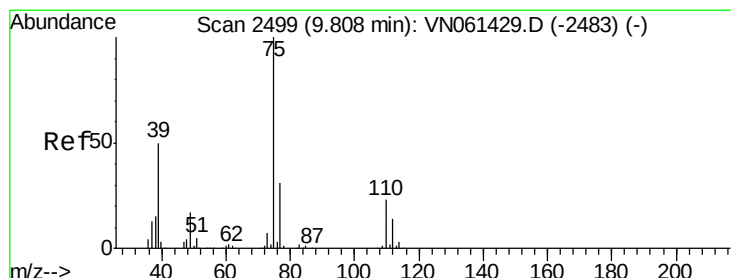
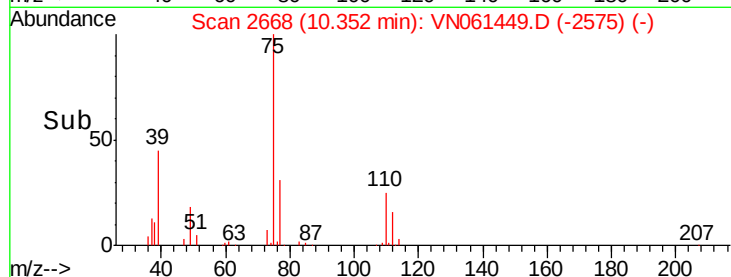
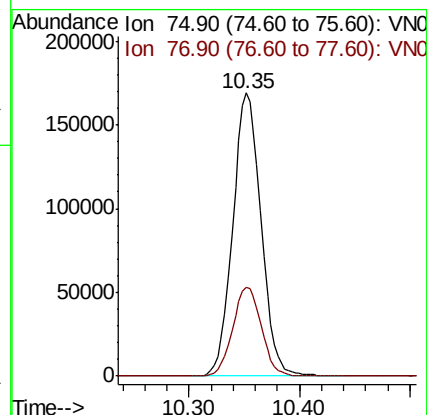
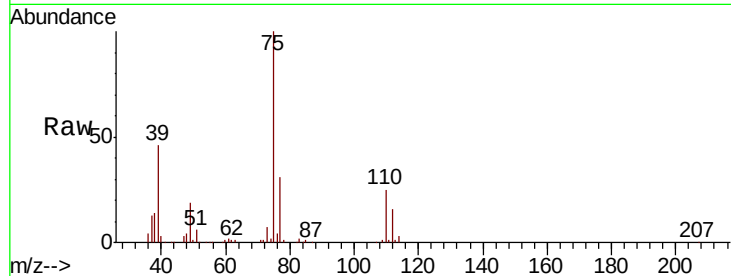
VSTDCCC050EC

Tot Ion: 75 Resp: 300016

Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 47.998 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

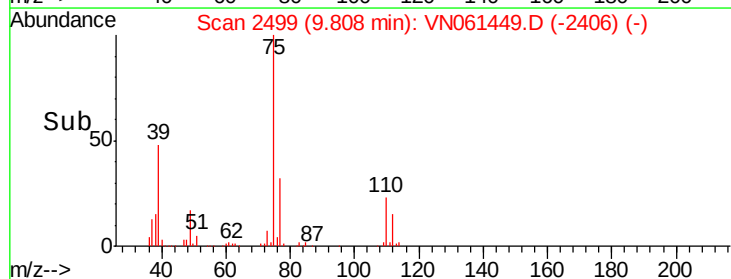
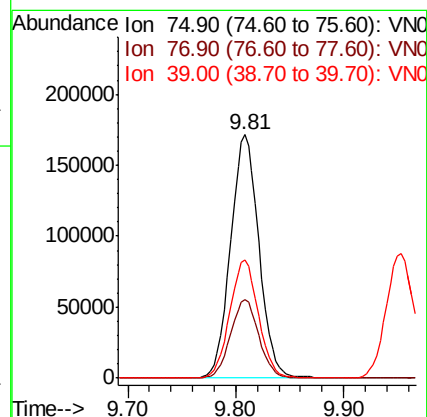
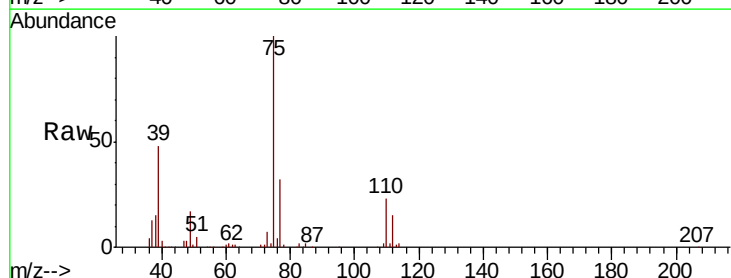
Tgt Ion: 75 Resp: 314769

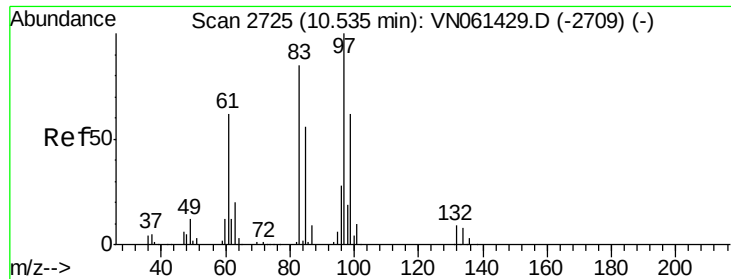
Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

39 48.3 39.8 59.6

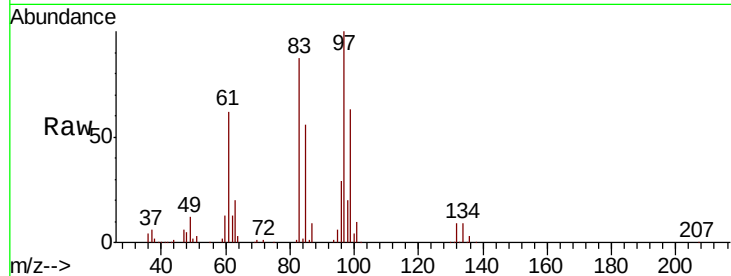




#55
 1,1,2-Trichloroethane
 Concen: 49.104 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	181457
Ion	Ratio	Lower	Upper
97	100		
83	87.1	68.2	102.4
85	56.4	44.6	67.0
99	63.5	49.5	74.3



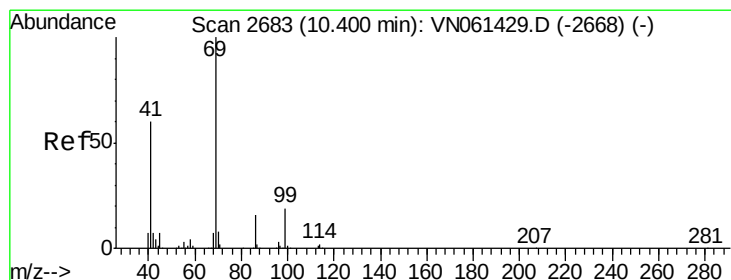
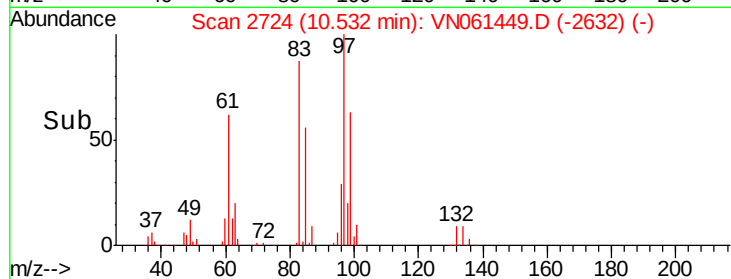
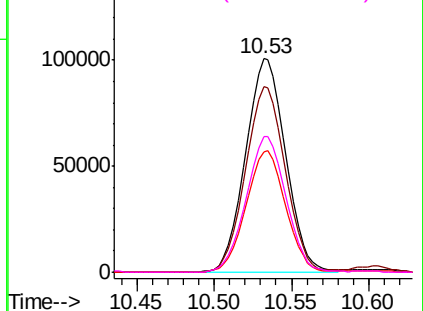
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

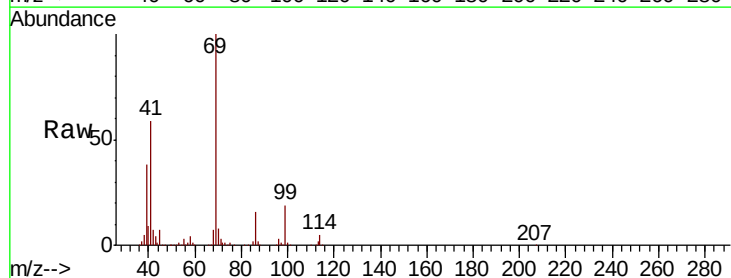
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 50.196 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion:	69	Resp:	289991
Ion	Ratio	Lower	Upper
69	100		
41	58.6	48.3	72.5
39	36.8	30.2	45.2

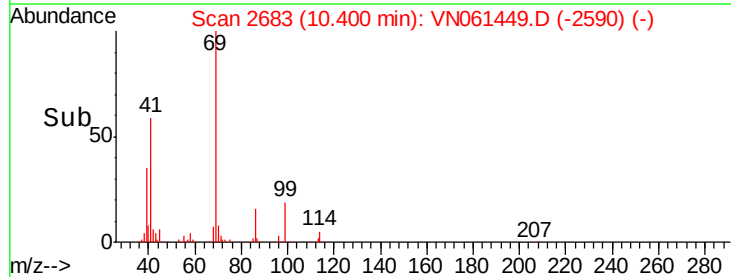
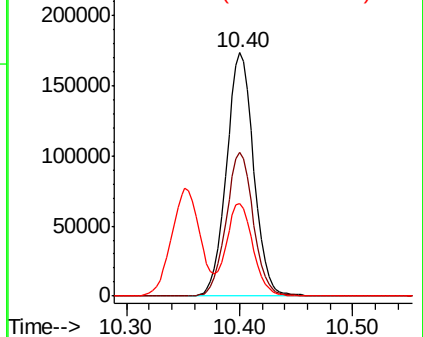


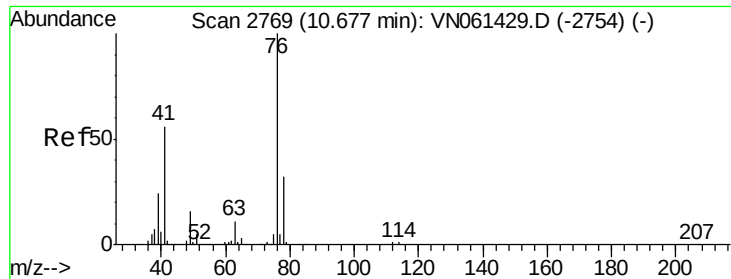
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 48.824 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

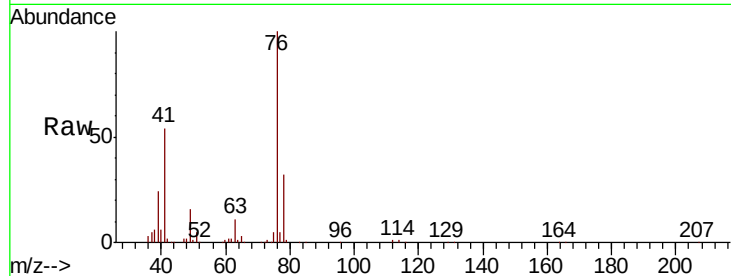
VSTDCCC050EC

Tot Ion: 76 Resp: 311801

Ion Ratio Lower Upper

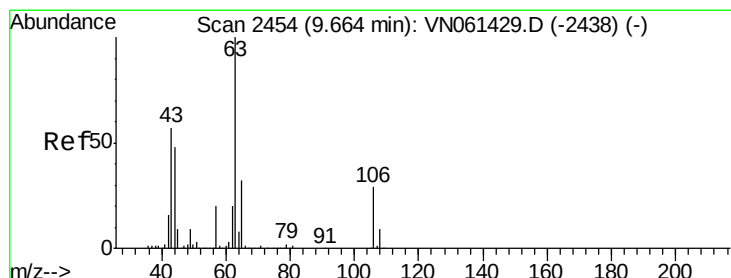
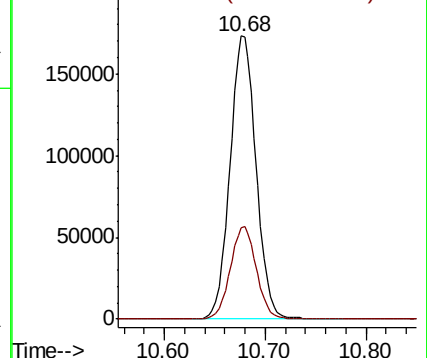
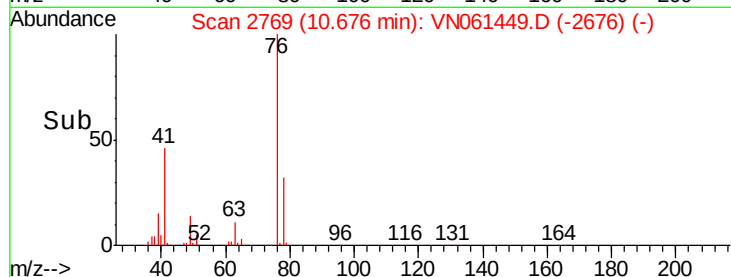
76 100

78 32.8 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN061449.D (-2676) (-)

Ion 77.90 (77.60 to 78.60): VN061449.D (-2676) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 256.028 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN061449.D

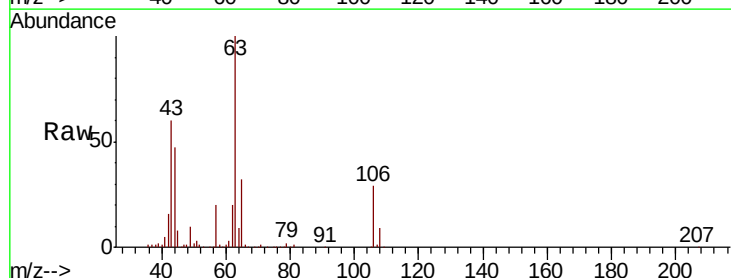
Acq: 18 May 2020 20:57

Tgt Ion: 63 Resp: 649248

Ion Ratio Lower Upper

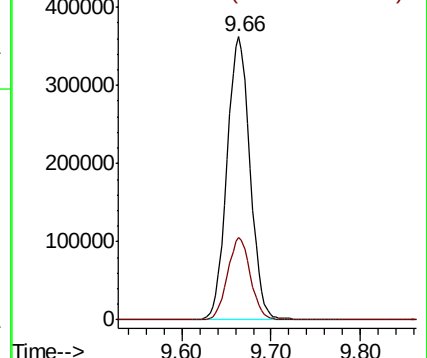
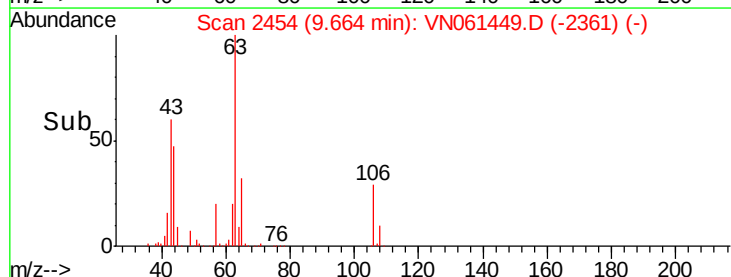
63 100

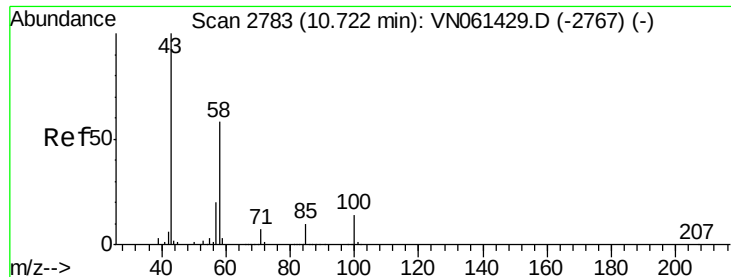
106 29.1 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN061449.D (-2361) (-)

Ion 105.90 (105.60 to 106.60): VN061449.D (-2361) (-)

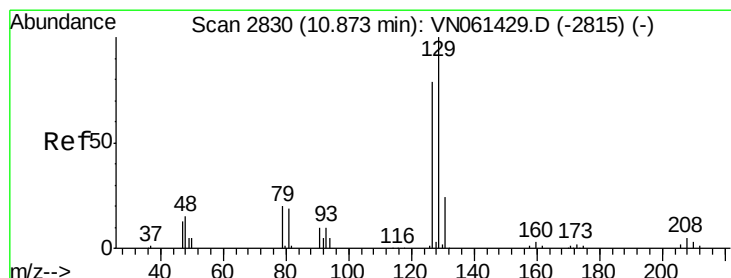
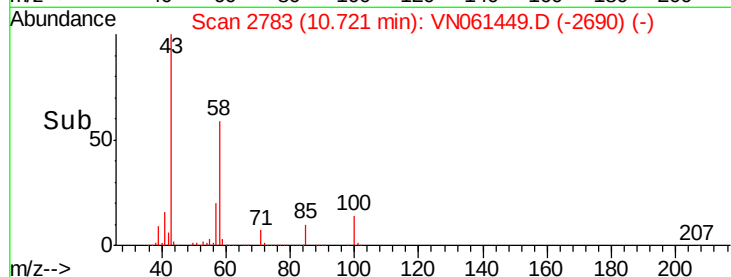
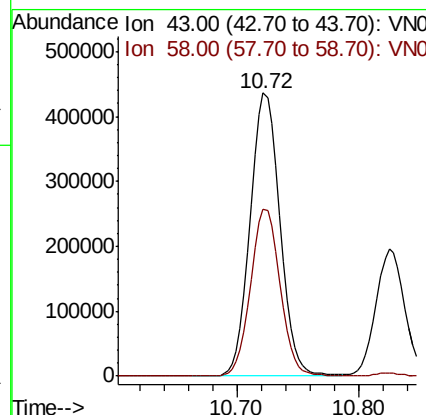
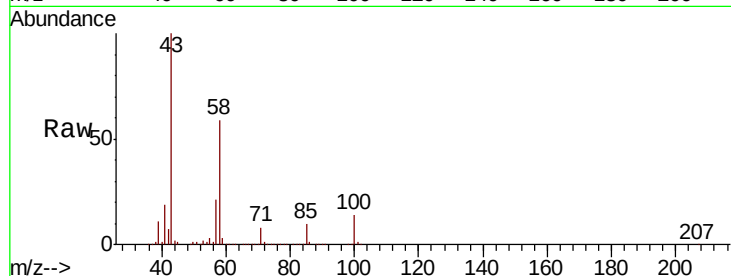




#59
2-Hexanone
Concen: 232.413 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

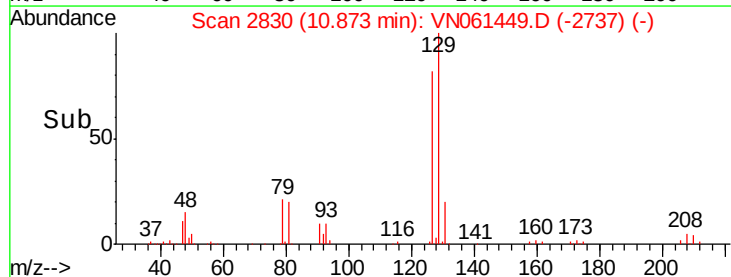
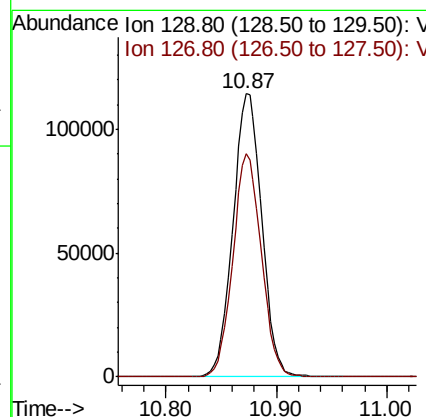
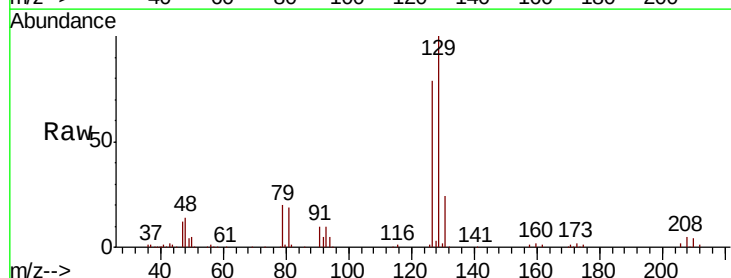
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

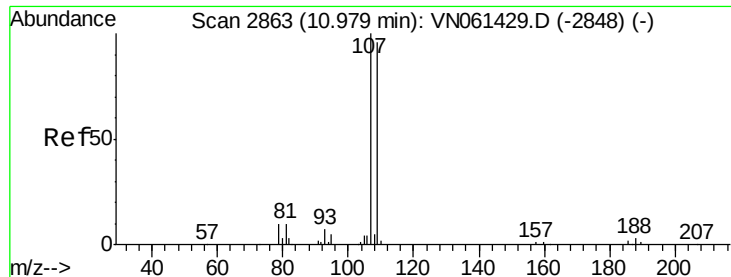
Tot Ion: 43 Resp: 731948
Ion Ratio Lower Upper
43 100
58 58.4 29.2 87.6



#60
Dibromochloromethane
Concen: 50.709 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion: 129 Resp: 207278
Ion Ratio Lower Upper
129 100
127 77.8 38.8 116.3

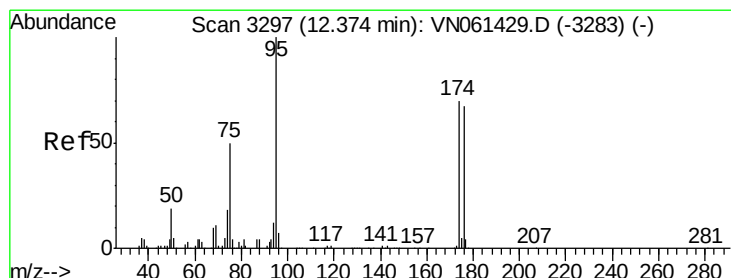
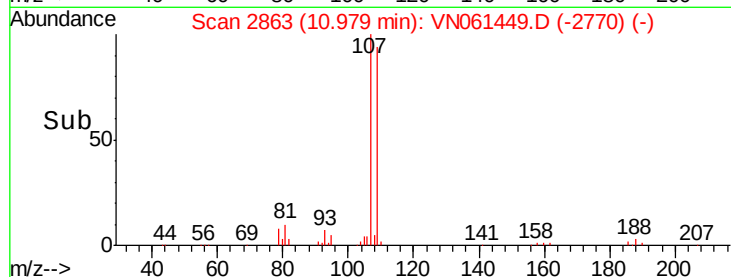
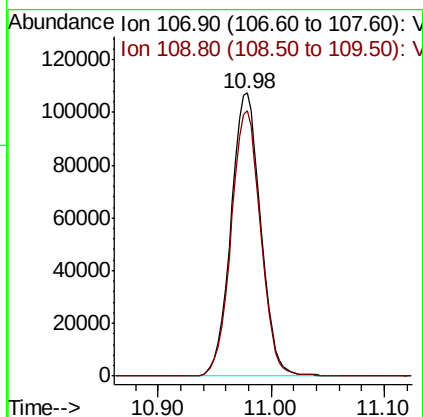
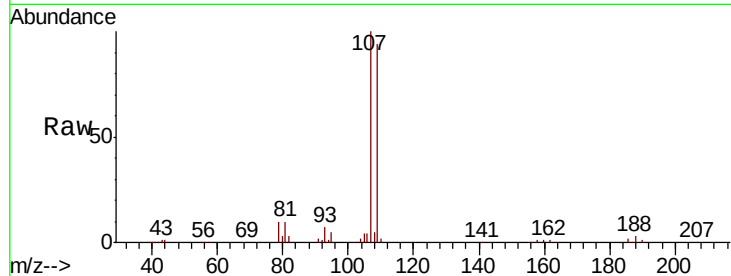




#61
 1,2-Dibromoethane
 Concen: 50.321 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

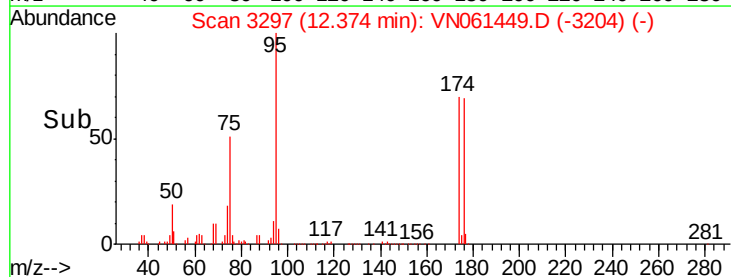
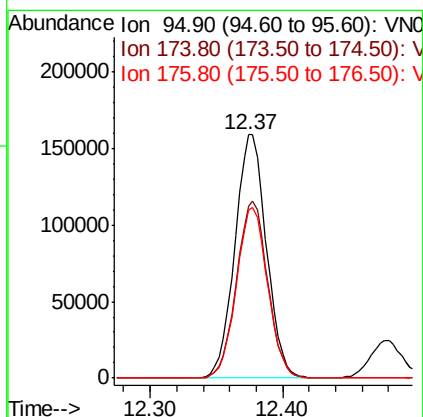
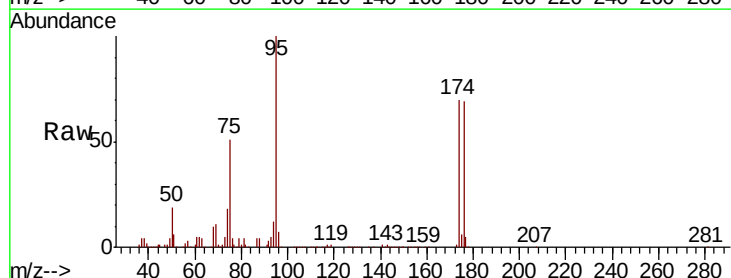
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

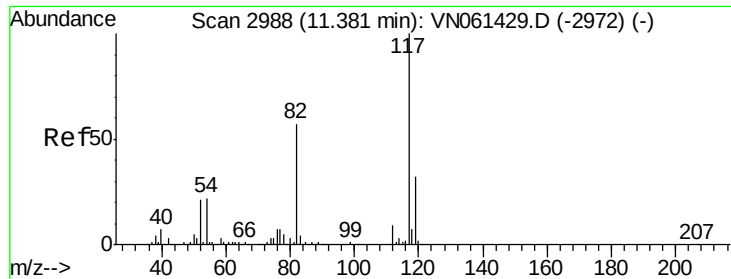
Tot Ion:107 Resp: 195517
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 53.599 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion: 95 Resp: 262891
 Ion Ratio Lower Upper
 95 100
 174 71.8 0.0 141.2
 176 69.4 0.0 137.6

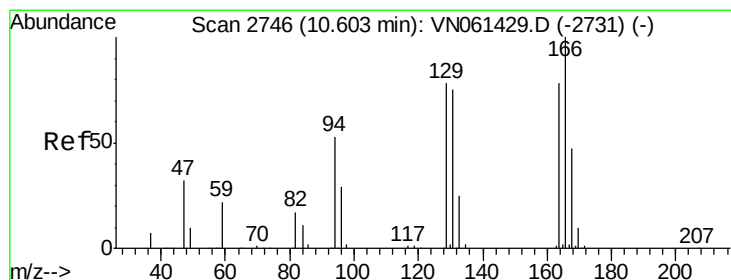
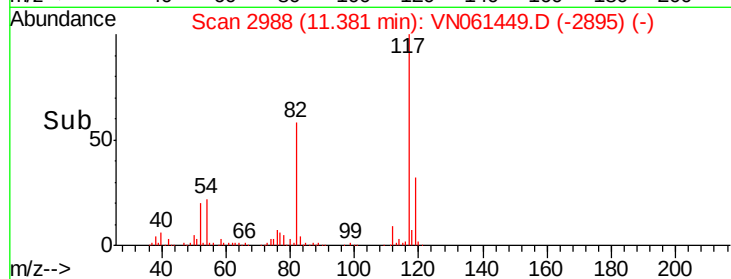
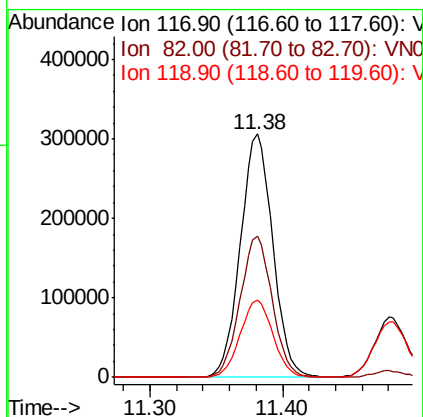
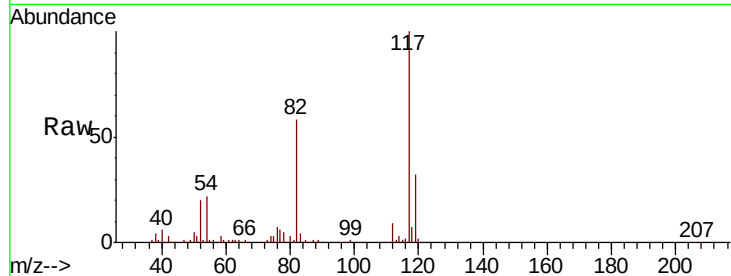




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

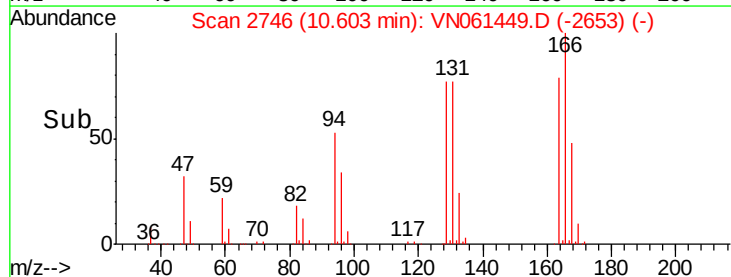
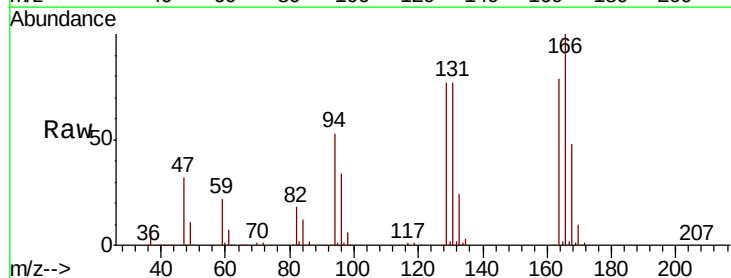
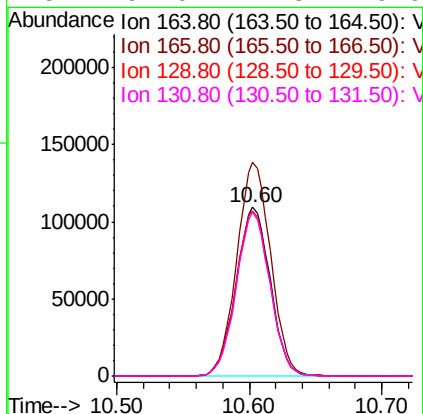
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

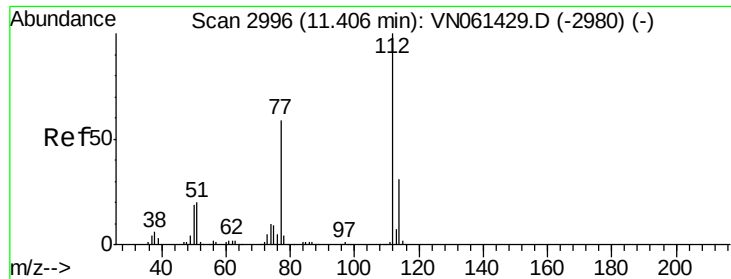
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.2	67.8
119	31.6	25.3	37.9



#64
Tetrachloroethene
Concen: 48.348 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.2	154.8
129	98.2	81.0	121.4
131	97.0	77.3	115.9

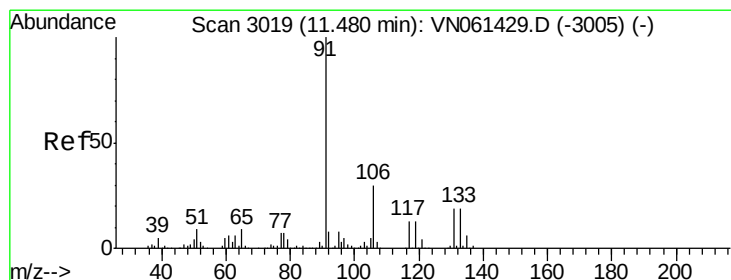
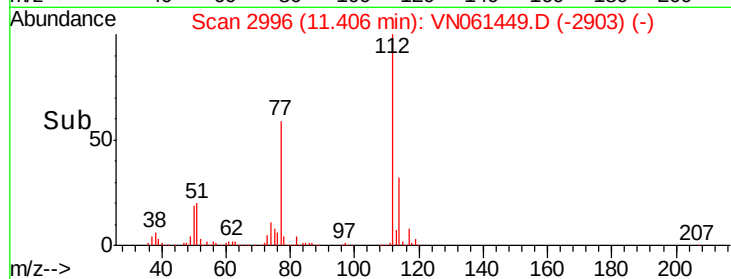
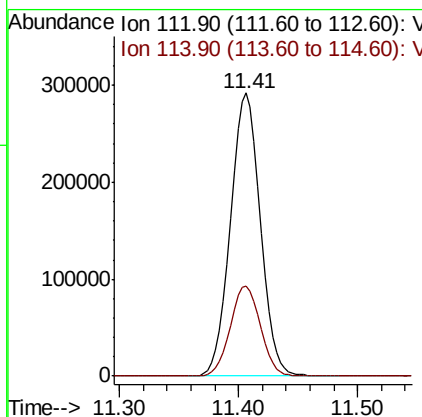
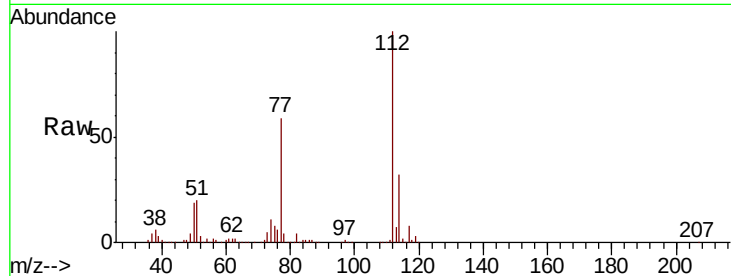




#65
Chlorobenzene
Concen: 47.845 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

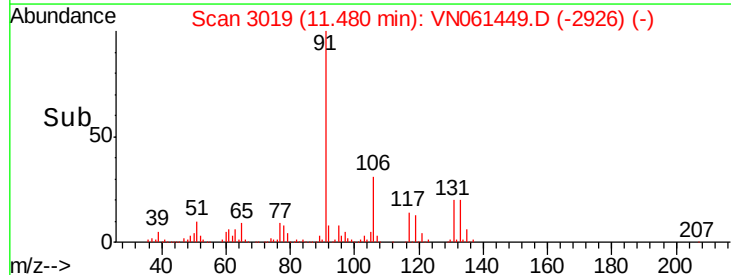
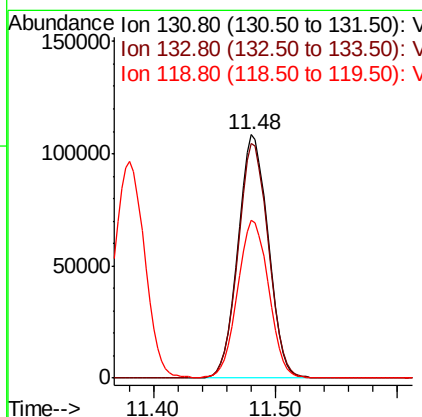
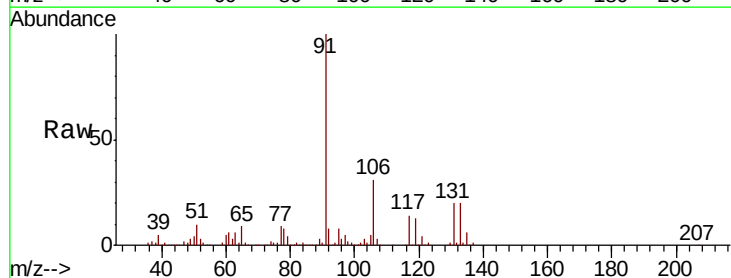
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

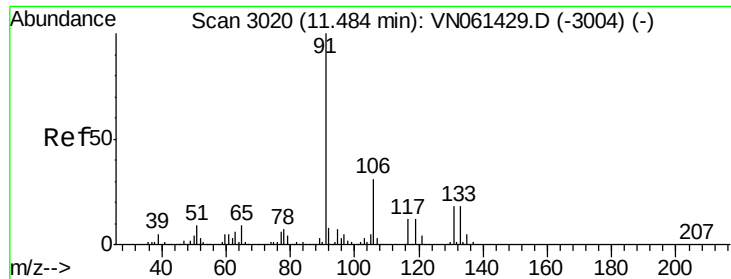
Tot Ion:112 Resp: 507495
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 48.890 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion:131 Resp: 185911
Ion Ratio Lower Upper
131 100
133 96.9 48.7 146.1
119 66.3 33.8 101.3

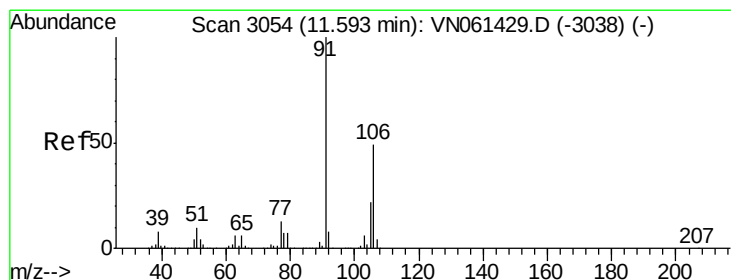
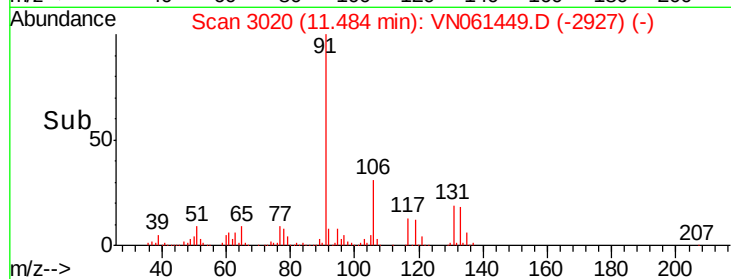
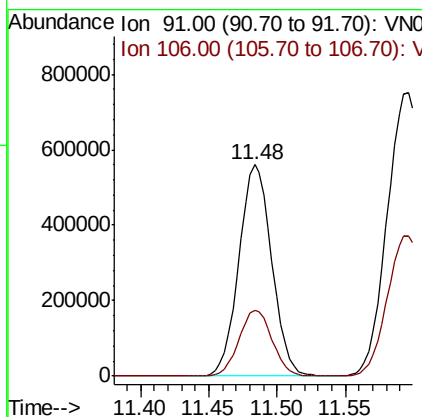
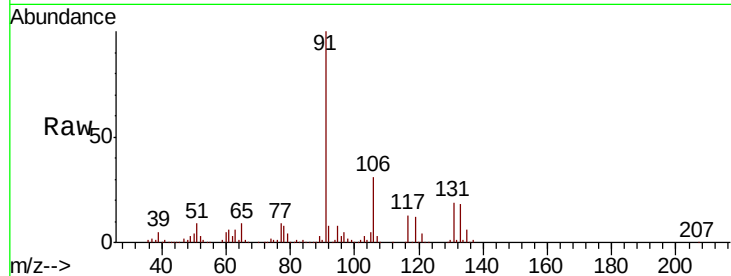




#67
Ethyl Benzene
Concen: 48.221 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

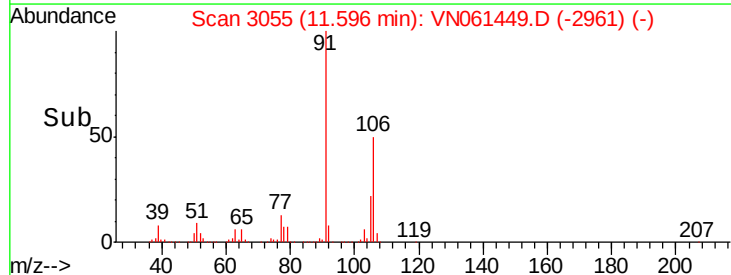
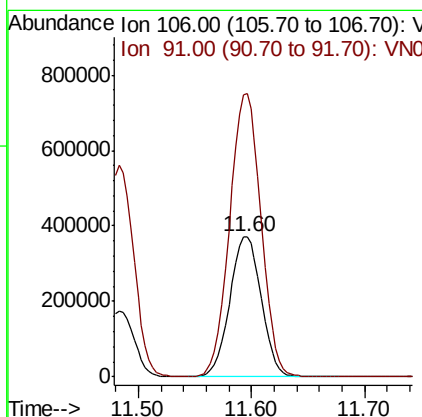
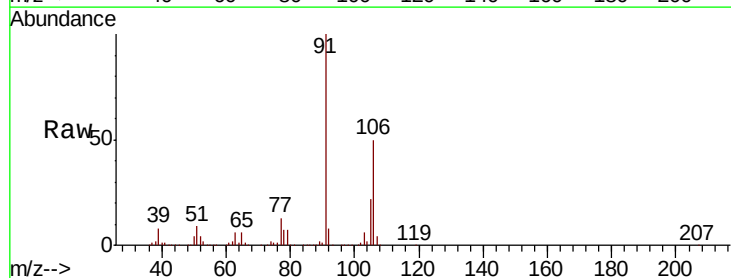
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

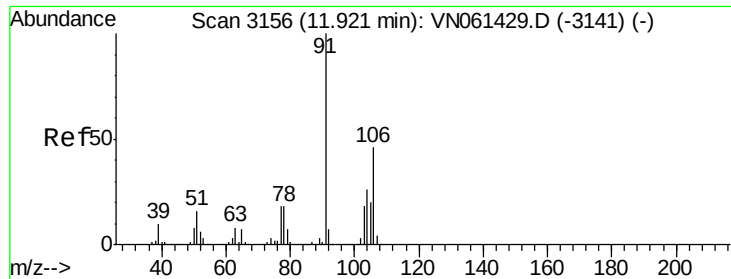
Tot Ion: 91 Resp: 933653
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8



#68
m/p-Xylenes
Concen: 97.579 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion: 106 Resp: 717138
Ion Ratio Lower Upper
106 100
91 202.0 163.0 244.6

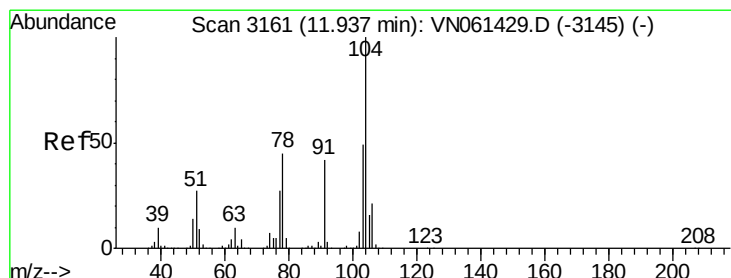
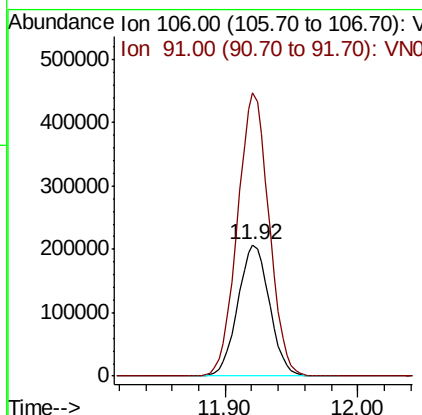
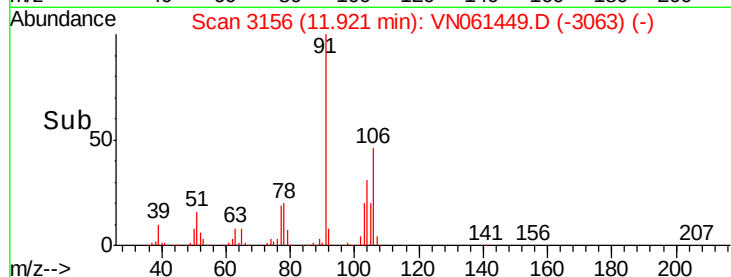
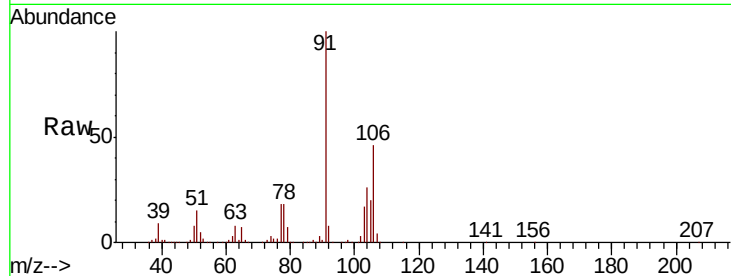




#69
o-Xylene
Concen: 48.303 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

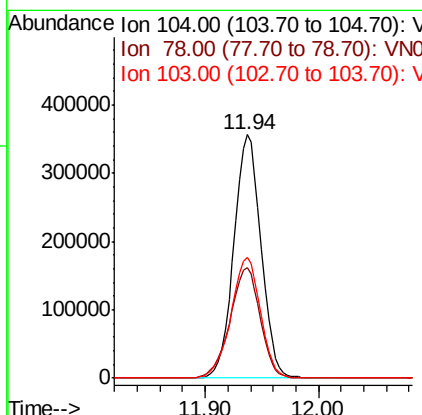
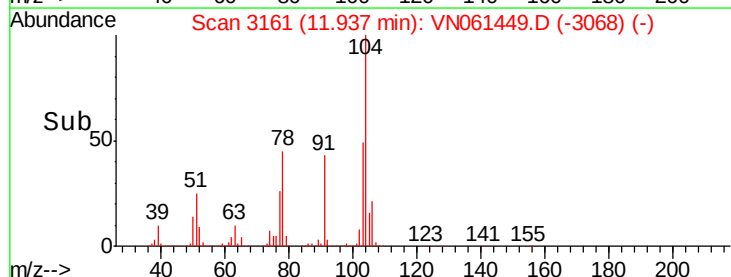
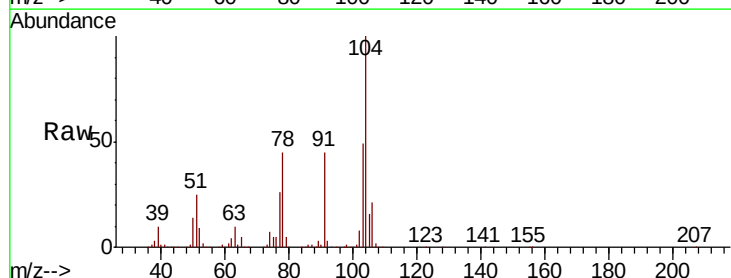
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

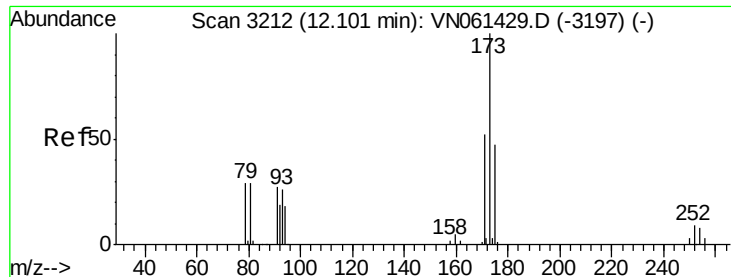
Tot Ion:106 Resp: 343532
Ion Ratio Lower Upper
106 100
91 214.8 107.9 323.7



#70
Styrene
Concen: 50.702 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061449.D
Acq: 18 May 2020 20:57

Tgt Ion:104 Resp: 597136
Ion Ratio Lower Upper
104 100
78 50.1 40.7 61.1
103 53.7 43.0 64.4





#71

Bromoform

Concen: 45.137 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

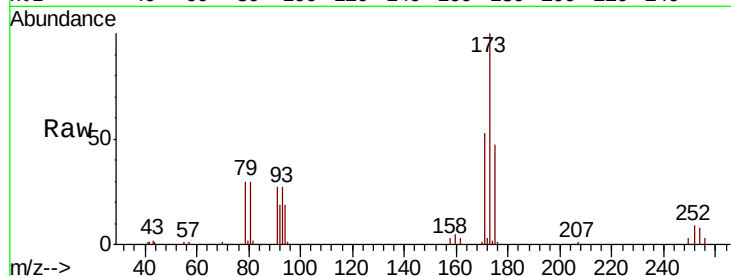
Tot Ion:173 Resp: 132868

Ion Ratio Lower Upper

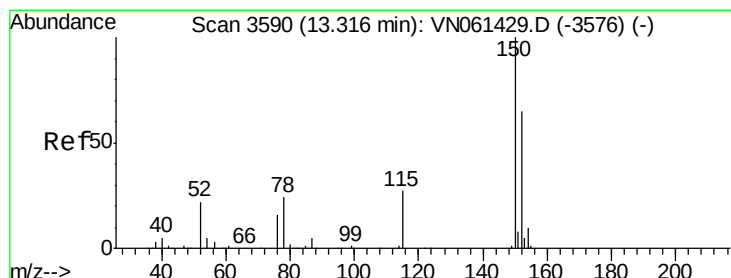
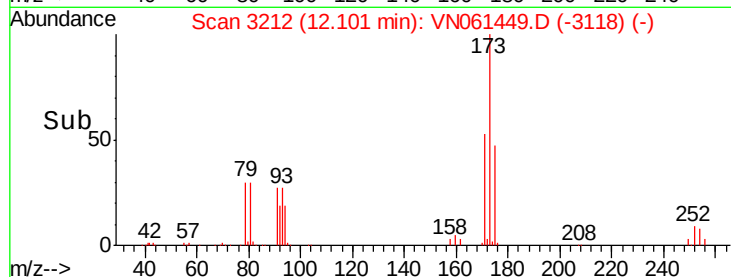
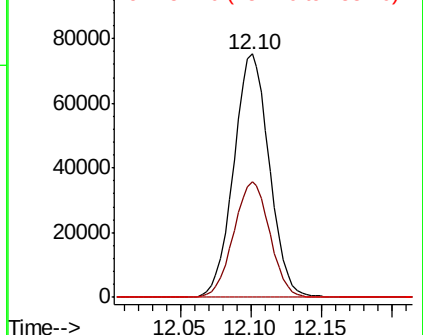
173 100

175 48.1 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: VN061449.D

Acq: 18 May 2020 20:57

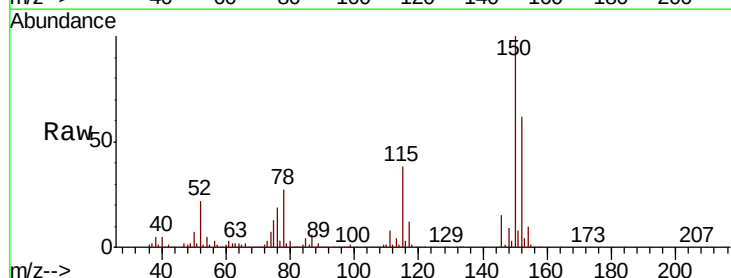
Tgt Ion:152 Resp: 245412

Ion Ratio Lower Upper

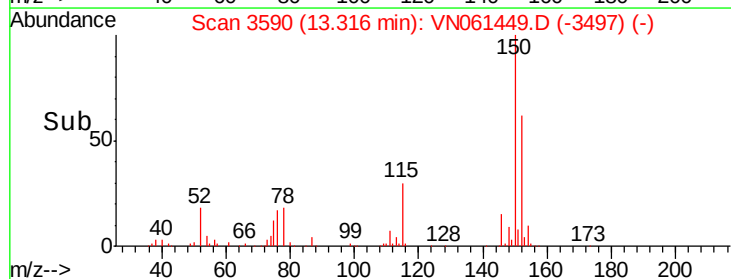
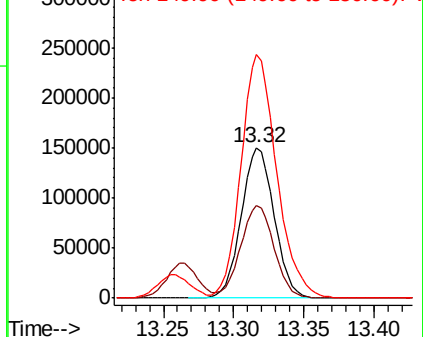
152 100

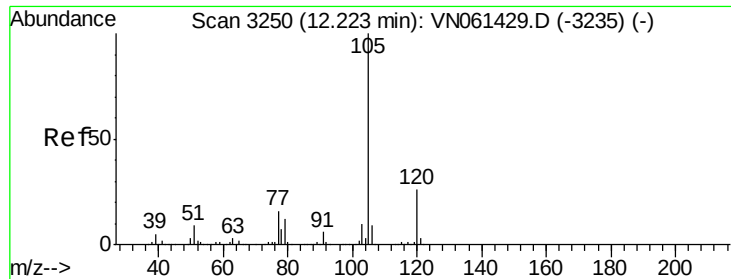
115 62.1 30.9 92.5

150 175.4 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: 45.122 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

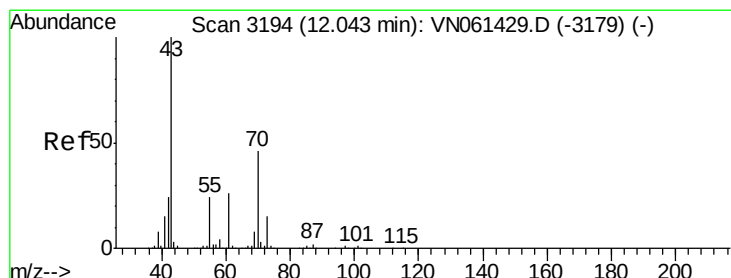
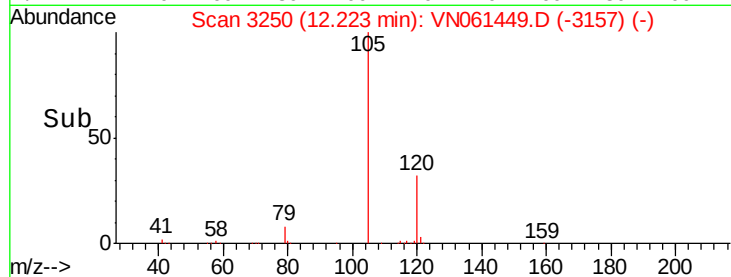
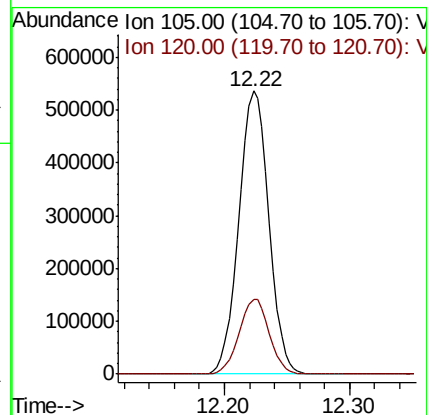
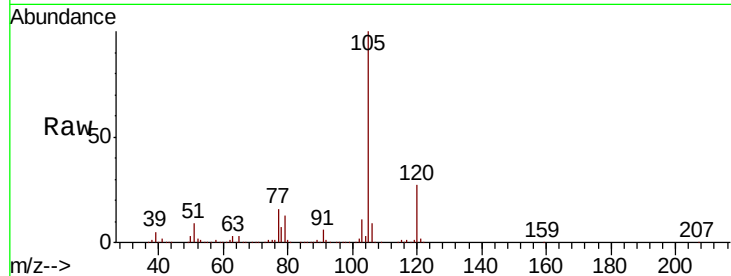
VSTDCCC050EC

Tot Ion:105 Resp: 888967

Ion Ratio Lower Upper

105 100

120 26.5 13.0 39.0



#74

N-ethyl acetate

Concen: 46.526 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Tgt Ion: 43 Resp: 335518

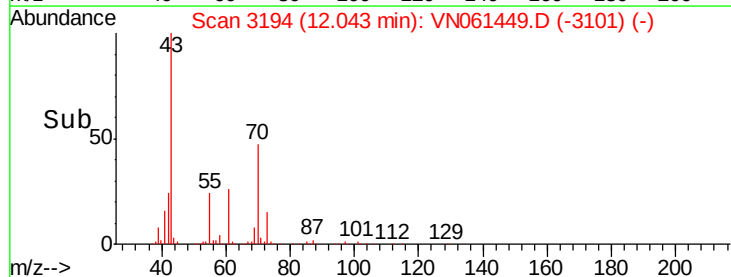
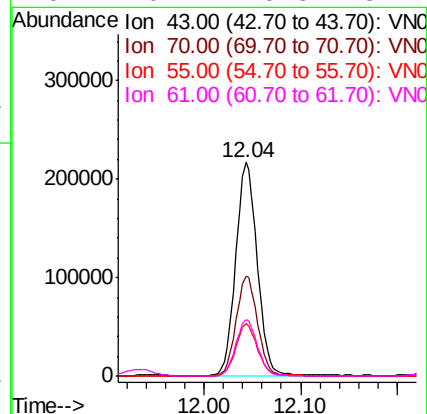
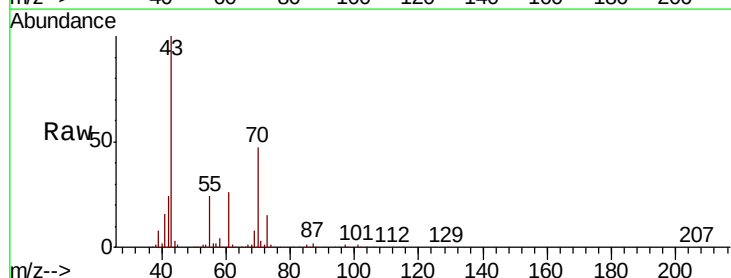
Ion Ratio Lower Upper

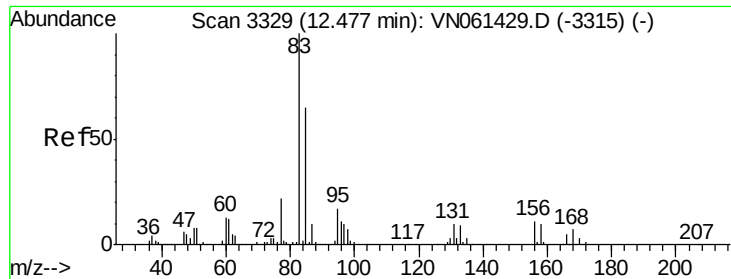
43 100

70 46.9 37.0 55.4

55 24.2 19.5 29.3

61 26.4 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.971 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

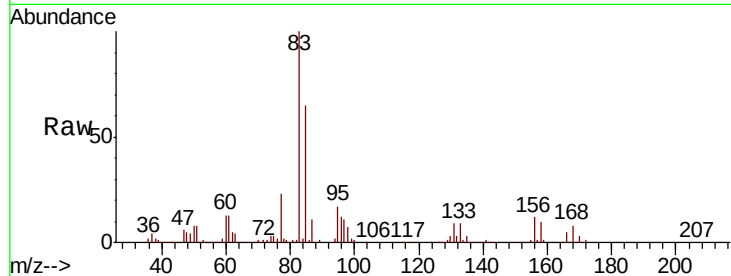
Tot Ion: 83 Resp: 249183

Ion Ratio Lower Upper

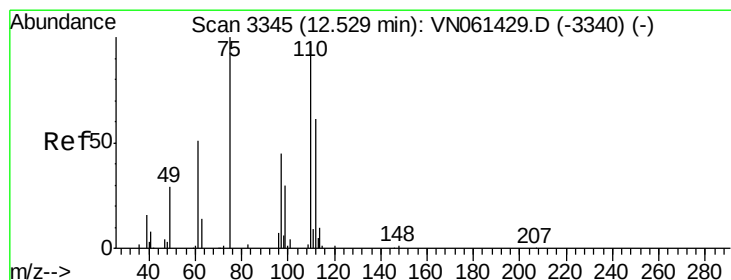
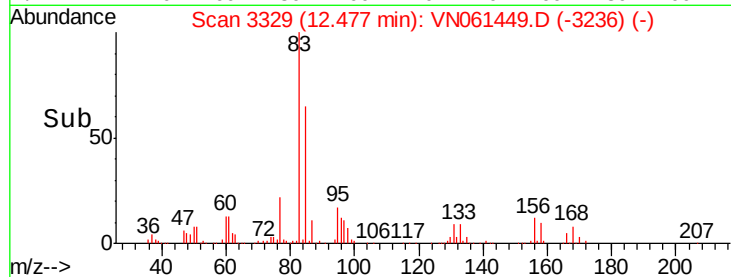
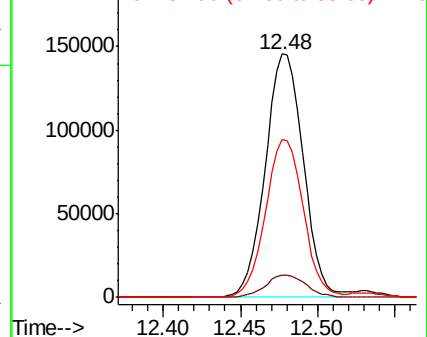
83 100

131 9.9 4.8 14.4

85 64.5 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 64.098 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061449.D

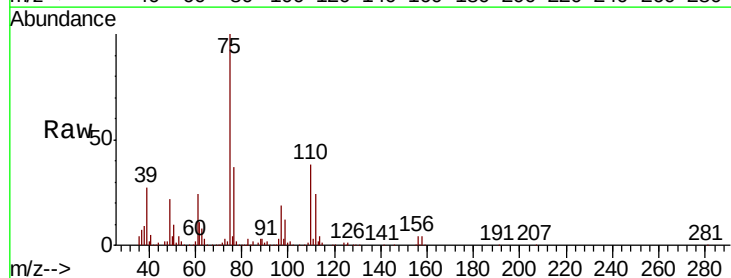
Acq: 18 May 2020 20:57

Tgt Ion: 75 Resp: 337535

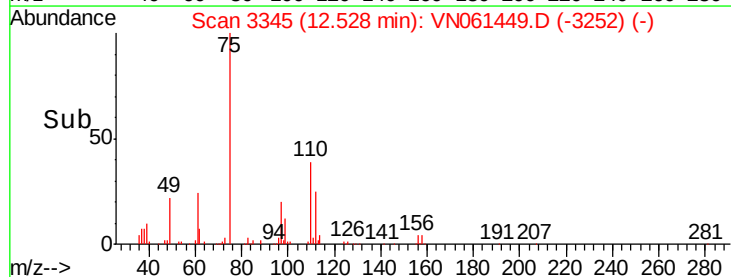
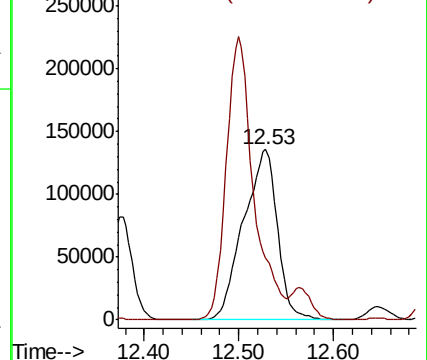
Ion Ratio Lower Upper

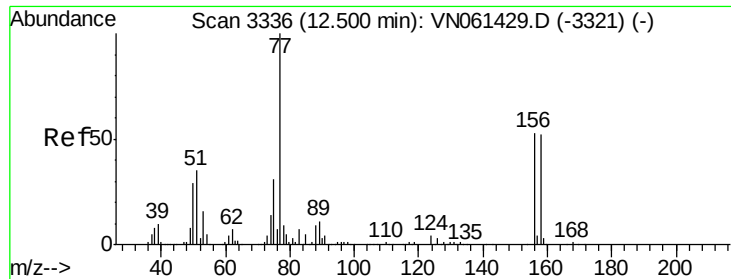
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 49.141 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

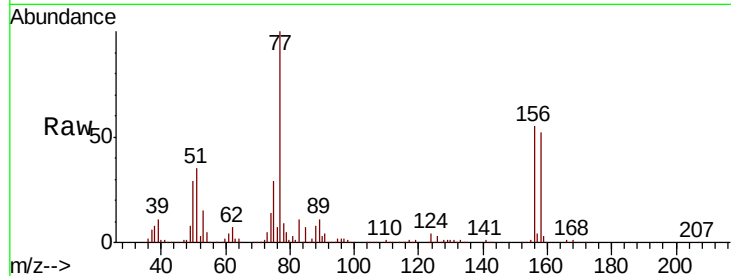
Tot Ion:156 Resp: 210112

Ion Ratio Lower Upper

156 100

77 216.5 112.3 336.9

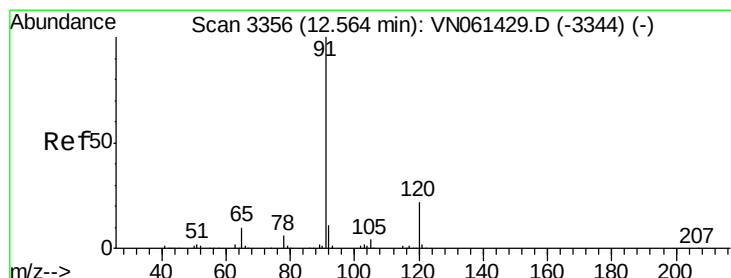
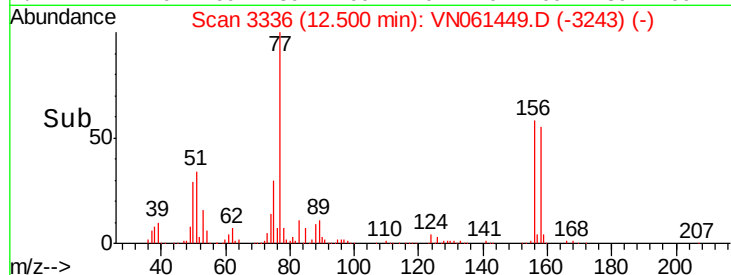
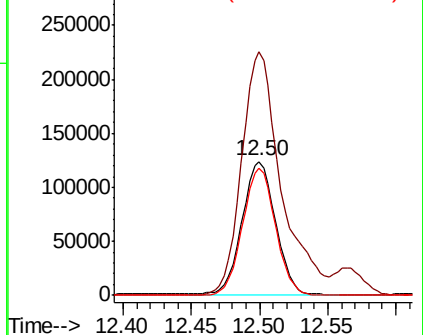
158 94.0 47.9 143.6



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: 45.316 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061449.D

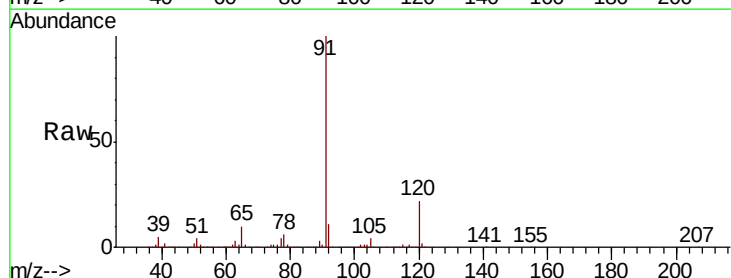
Acq: 18 May 2020 20:57

Tgt Ion: 91 Resp: 1017245

Ion Ratio Lower Upper

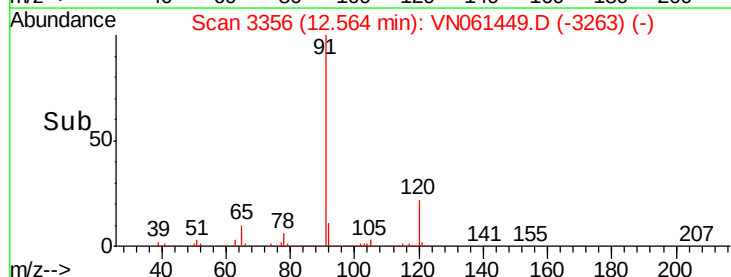
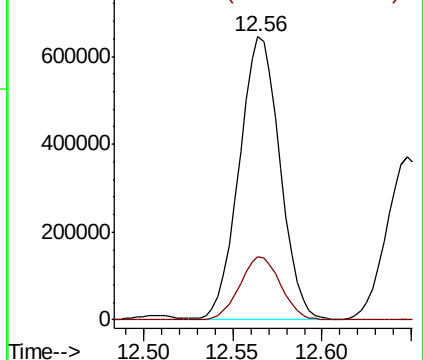
91 100

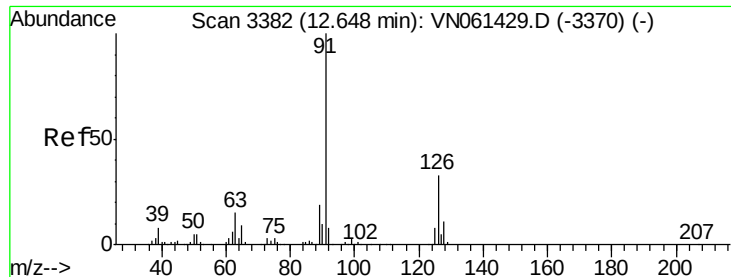
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.156 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

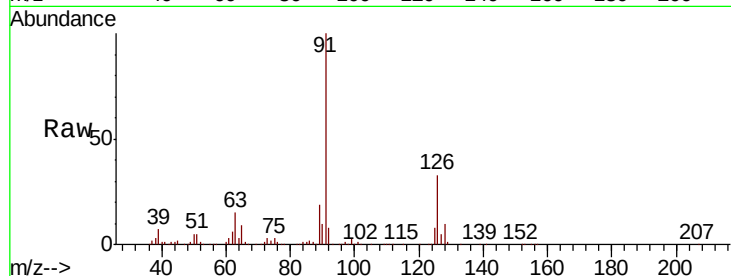
VSTDCCC050EC

Tot Ion: 91 Resp: 612422

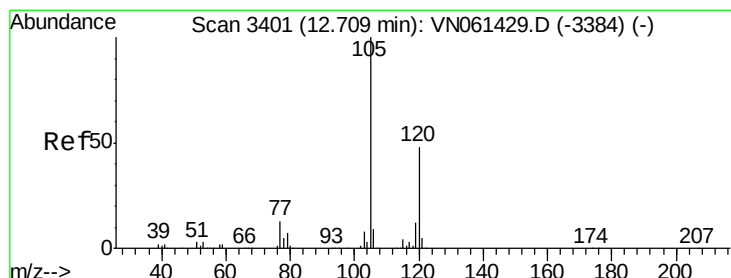
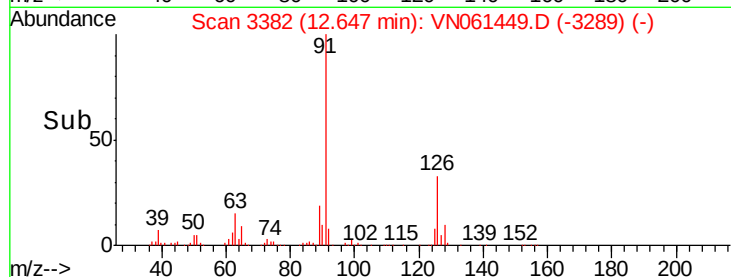
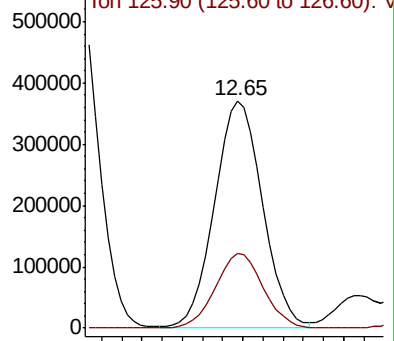
Ion Ratio Lower Upper

91 100

126 33.0 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.693 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061449.D

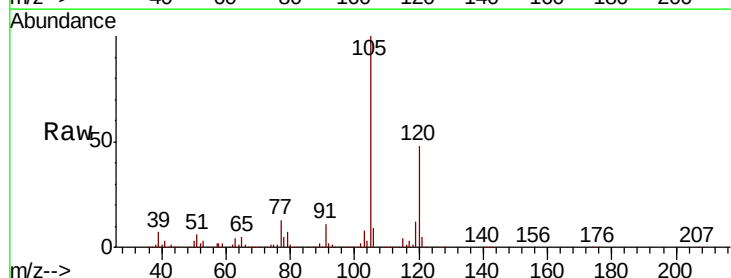
Acq: 18 May 2020 20:57

Tgt Ion: 105 Resp: 737096

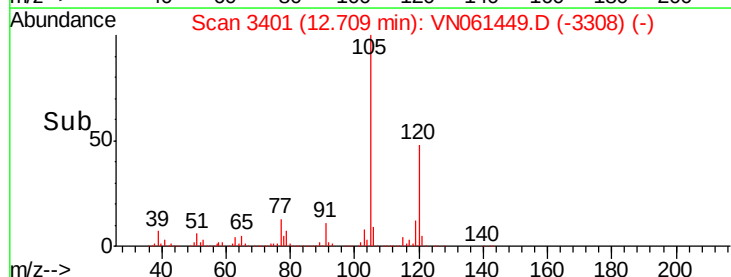
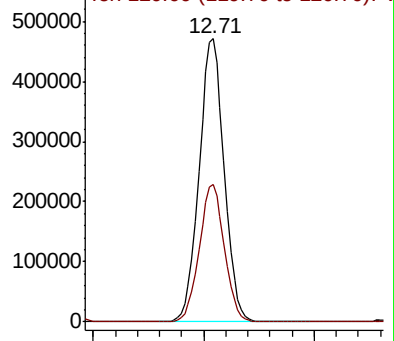
Ion Ratio Lower Upper

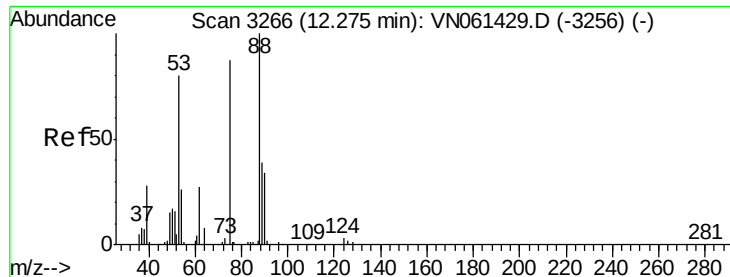
105 100

120 48.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061429.D (-3384) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.502 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

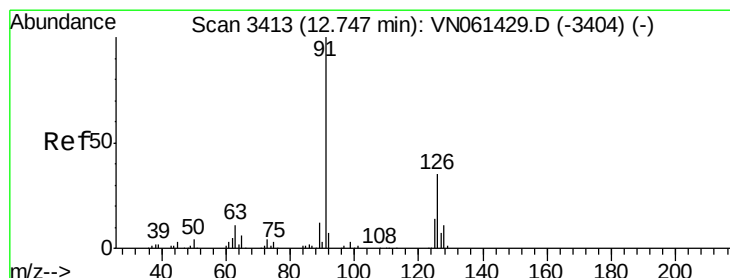
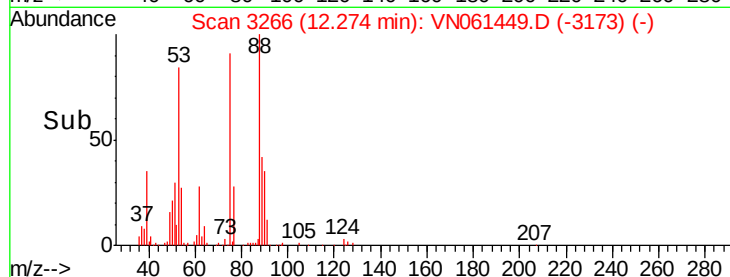
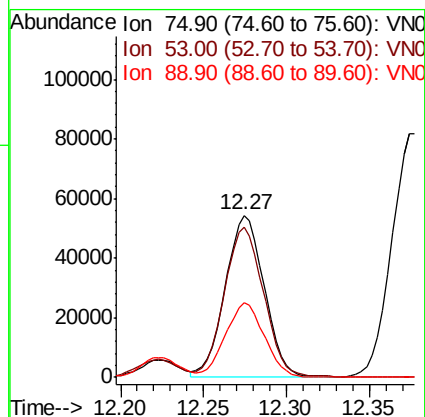
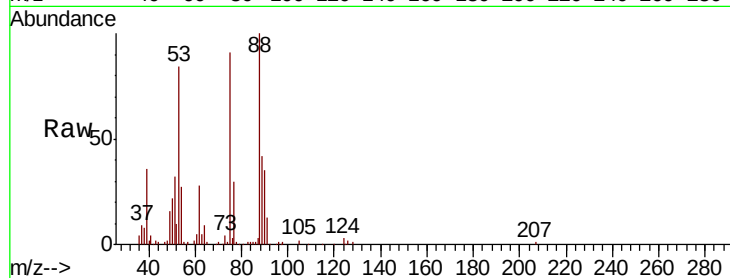
Tot Ion: 75 Resp: 88340

Ion Ratio Lower Upper

75 100

53 95.0 75.2 112.8

89 46.4 38.2 57.4



#82

4-Chlorotoluene

Concen: 47.028 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061449.D

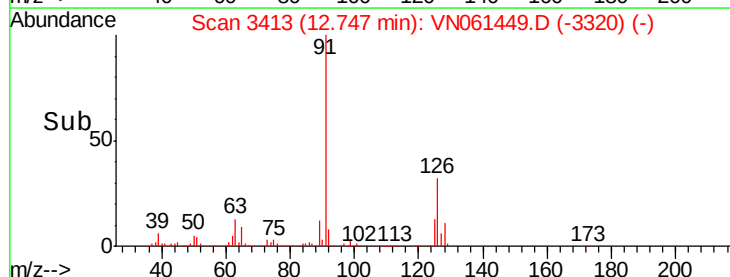
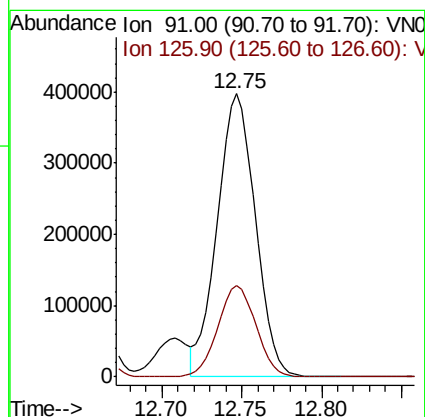
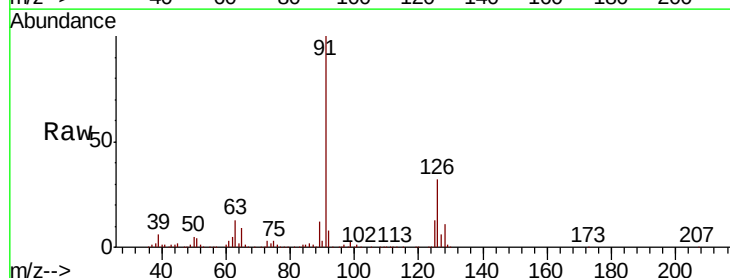
Acq: 18 May 2020 20:57

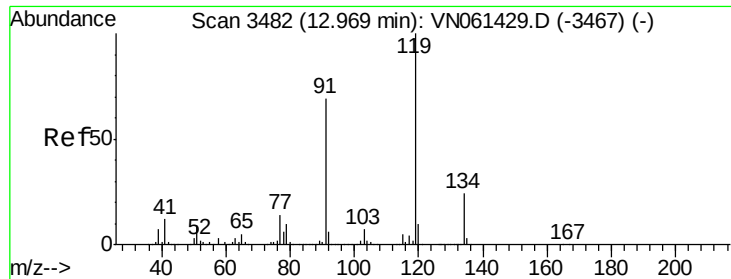
Tgt Ion: 91 Resp: 646103

Ion Ratio Lower Upper

91 100

126 32.4 16.1 48.2

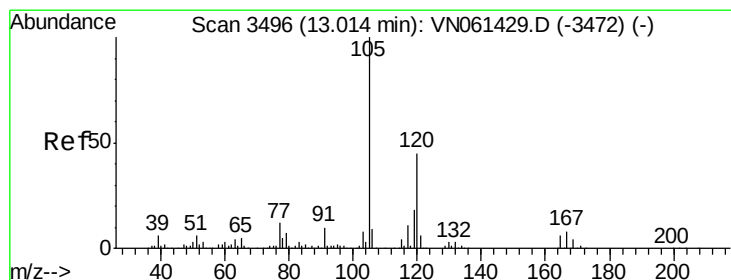
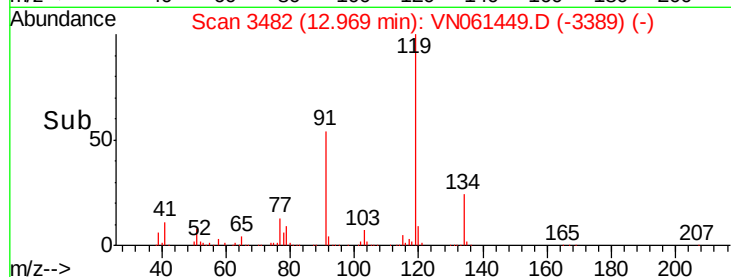
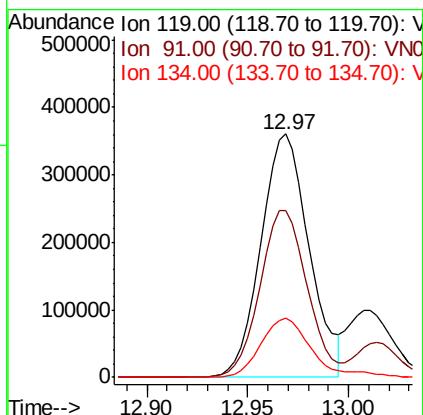
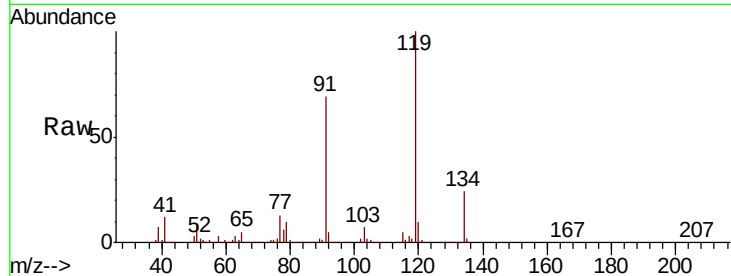




#83
 tert-Butylbenzene
 Concen: 43.391 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

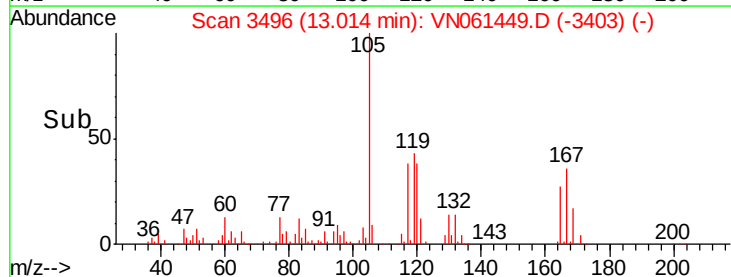
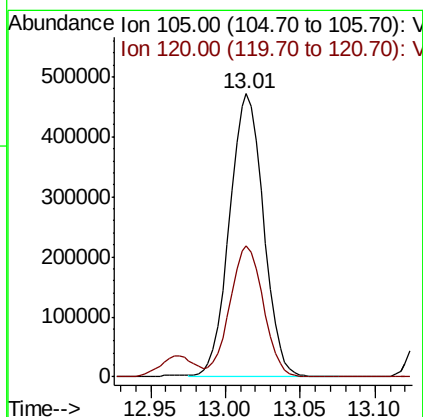
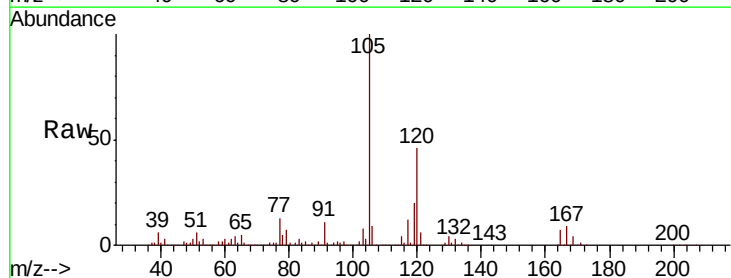
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

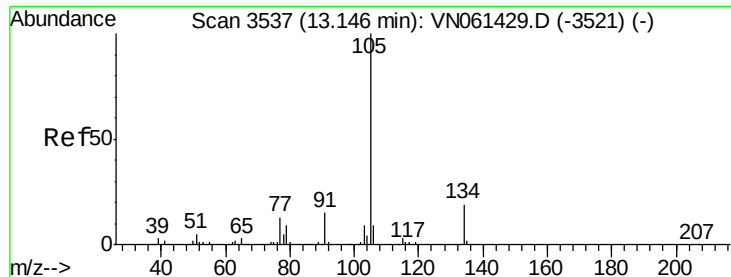
Tot Ion:119 Resp: 599571
 Ion Ratio Lower Upper
 119 100
 91 66.9 33.7 101.0
 134 25.6 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 46.056 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion:105 Resp: 743527
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.4 67.3





#85

sec-Butylbenzene

Concen: 41.462 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

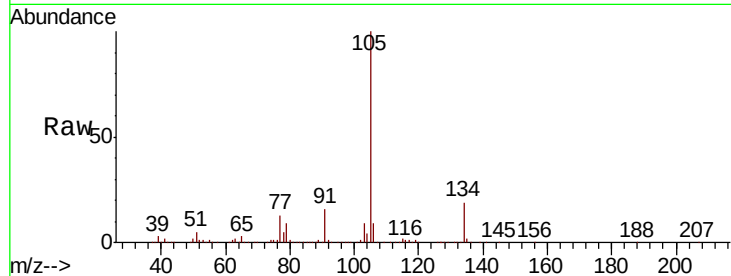
VSTDCCC050EC

Tot Ion:105 Resp: 774693

Ion Ratio Lower Upper

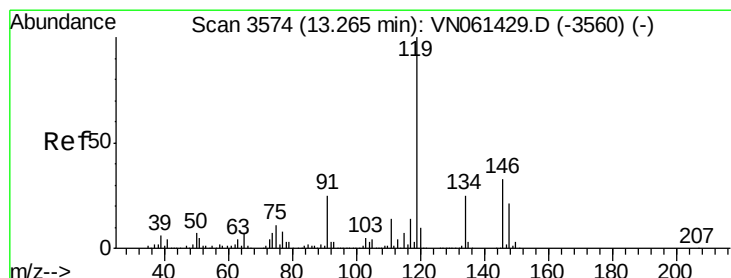
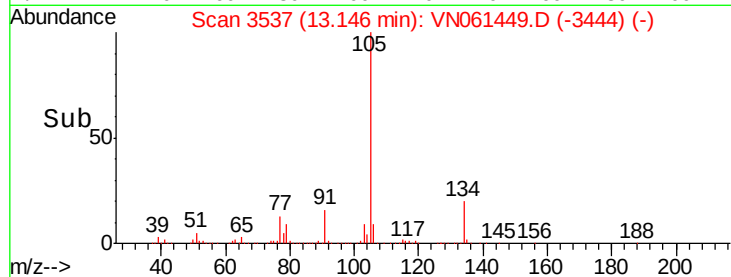
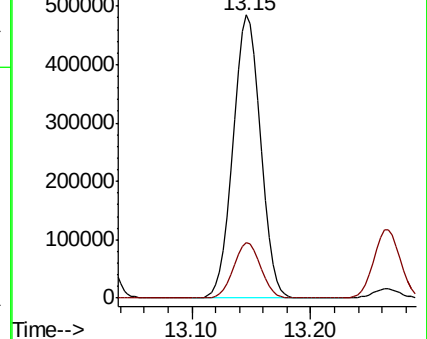
105 100

134 19.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 42.327 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

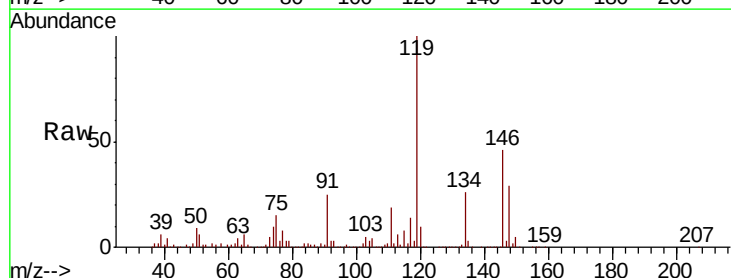
Tgt Ion:119 Resp: 702275

Ion Ratio Lower Upper

119 100

134 26.0 12.7 38.1

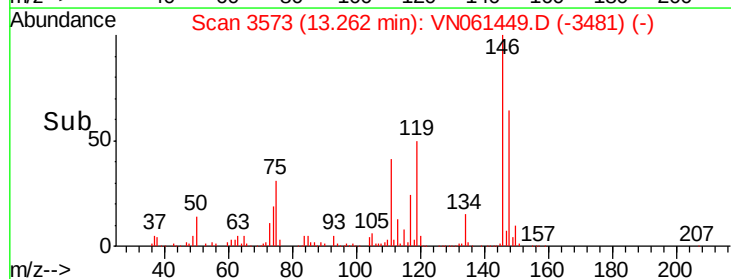
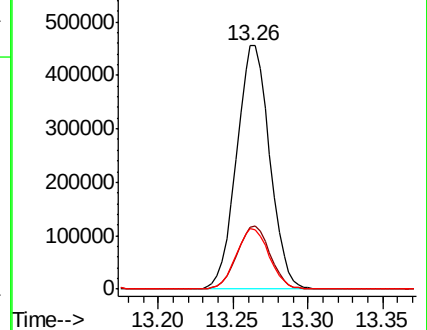
91 24.7 12.6 37.6

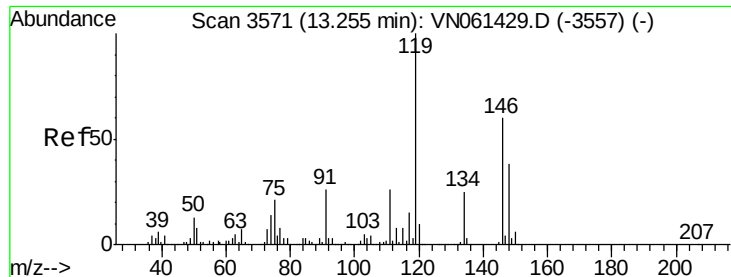


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

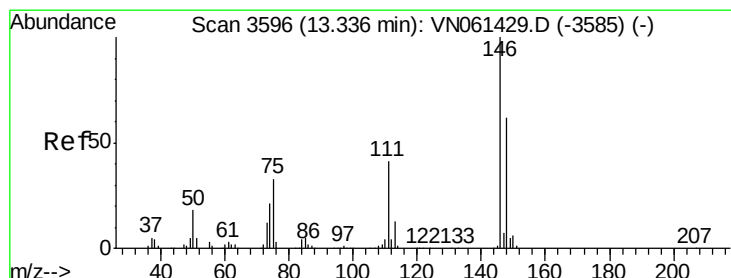
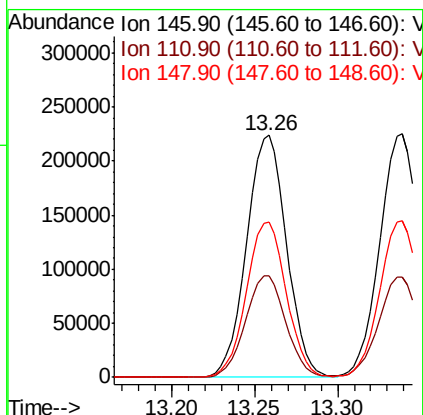
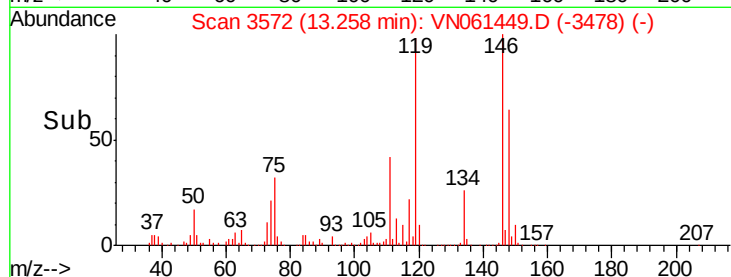
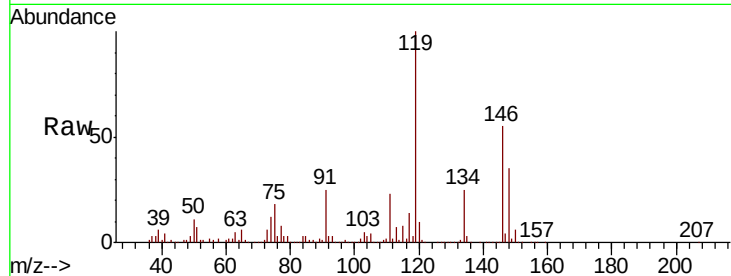




#87
 1,3-Dichlorobenzene
 Concen: 47.956 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

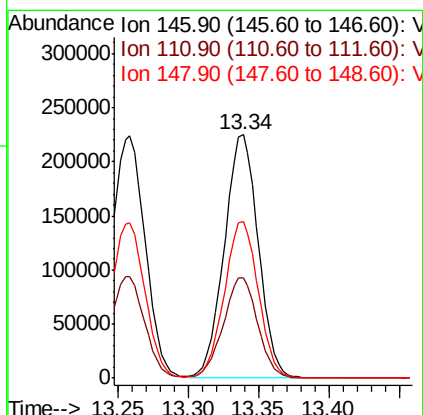
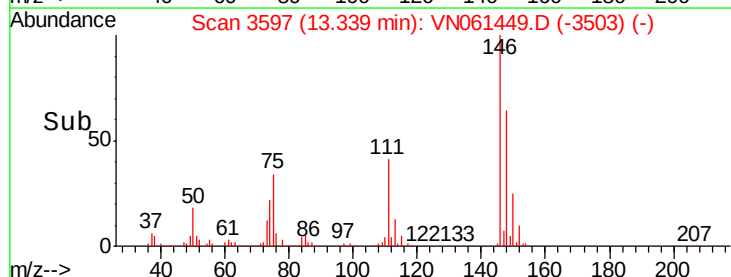
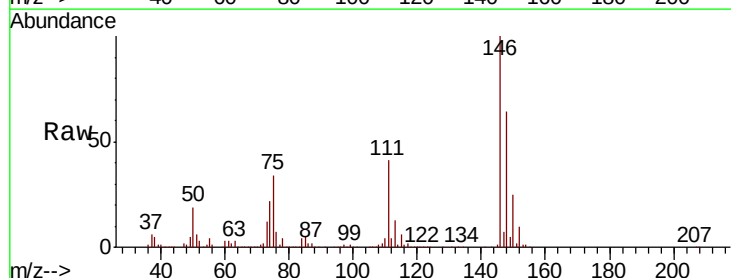
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

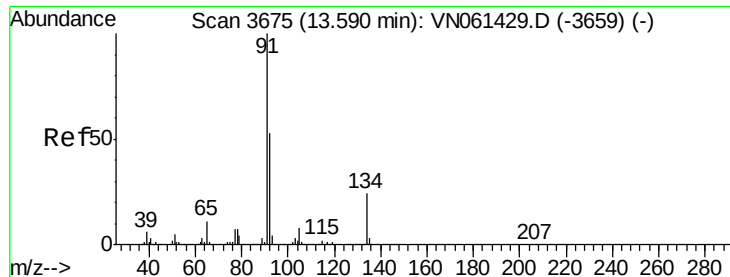
Tot Ion:146 Resp: 375254
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.5 64.5
 148 63.9 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 48.088 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion:146 Resp: 376850
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.8 62.5
 148 64.5 31.6 94.8





#89

n-Butylbenzene

Concen: 39.898 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

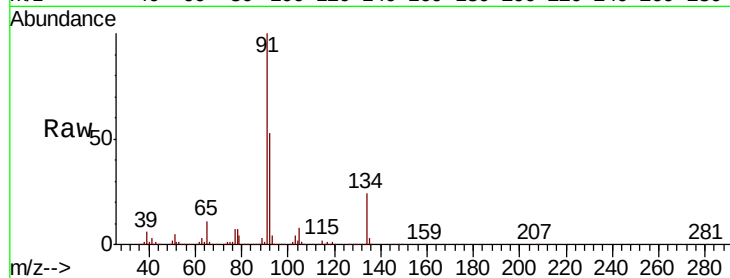
Tot Ion: 91 Resp: 601398

Ion Ratio Lower Upper

91 100

92 53.9 26.8 80.3

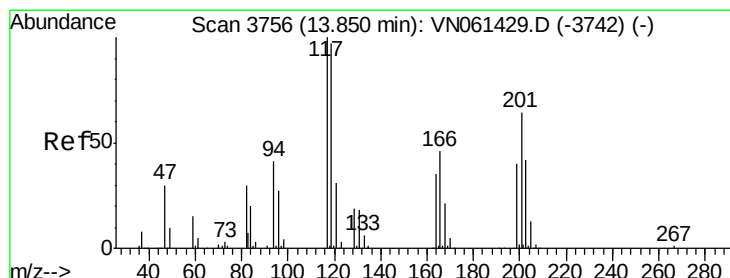
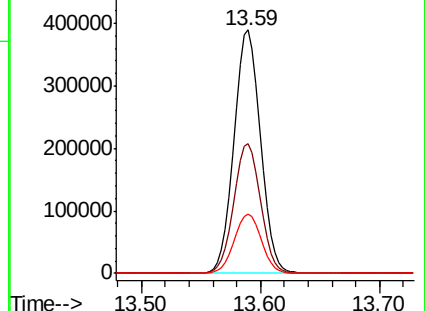
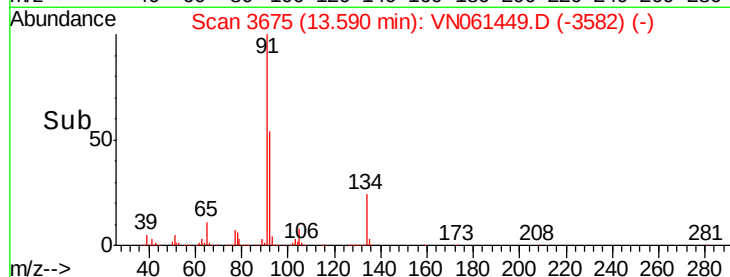
134 25.0 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN061449.D (-3659) (-)

Ion 92.00 (91.70 to 92.70): VN061449.D (-3659) (-)

Ion 134.00 (133.70 to 134.70): VN061449.D (-3659) (-)



#90

Hexachloroethane

Concen: 40.485 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061449.D

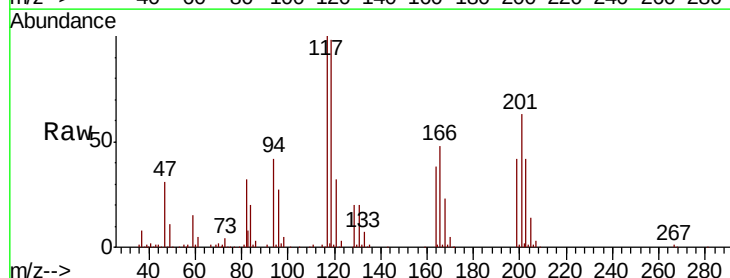
Acq: 18 May 2020 20:57

Tgt Ion: 117 Resp: 91034

Ion Ratio Lower Upper

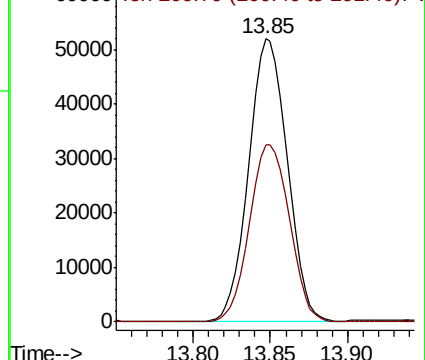
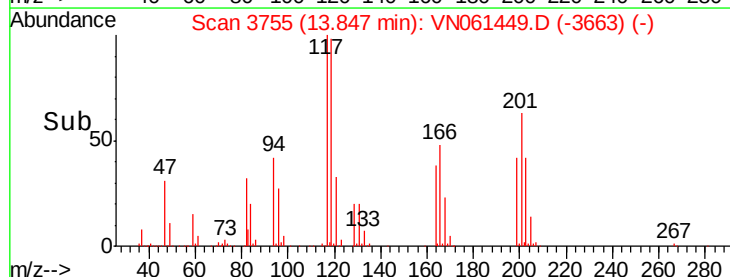
117 100

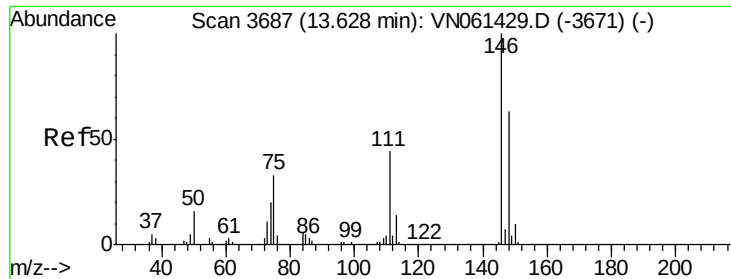
201 64.6 32.9 98.7



Abundance Ion 116.80 (116.50 to 117.50): VN061449.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061449.D (-3742) (-)

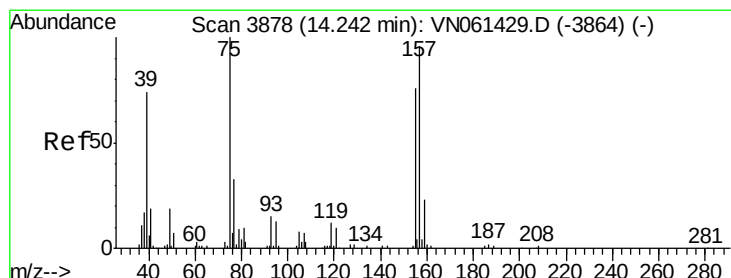
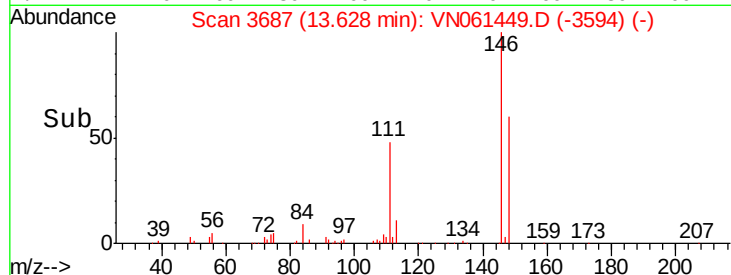
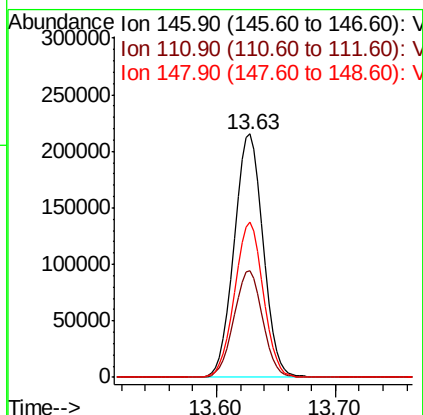
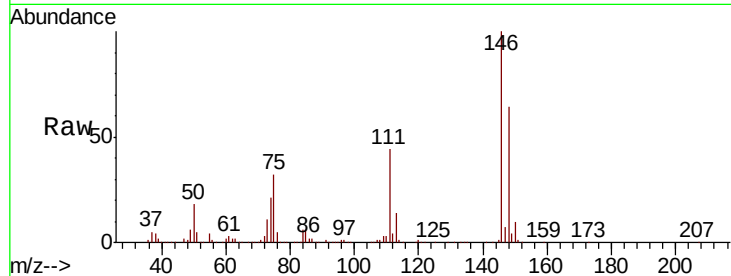




#91
 1,2-Dichlorobenzene
 Concen: 48.486 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

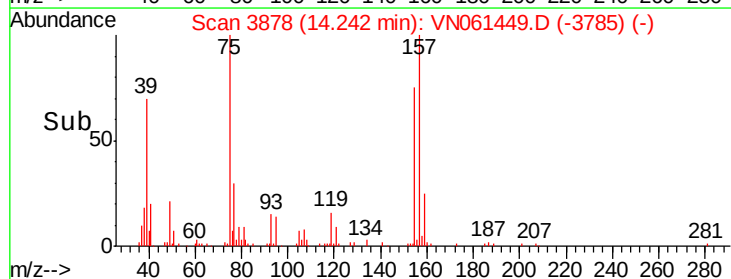
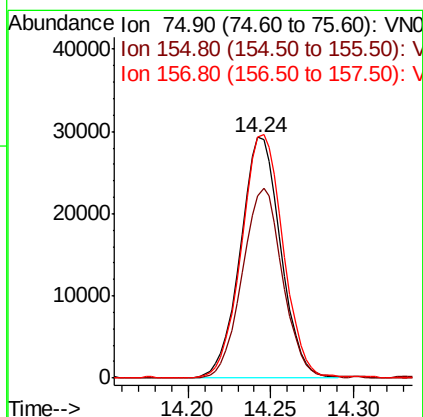
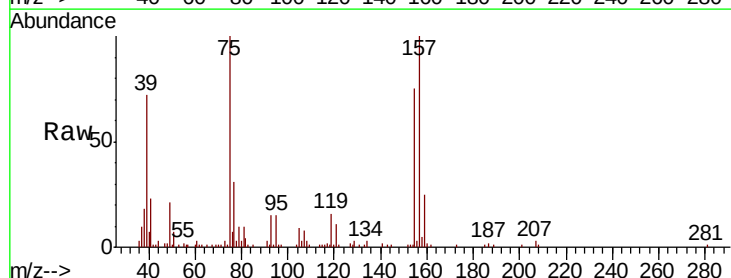
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

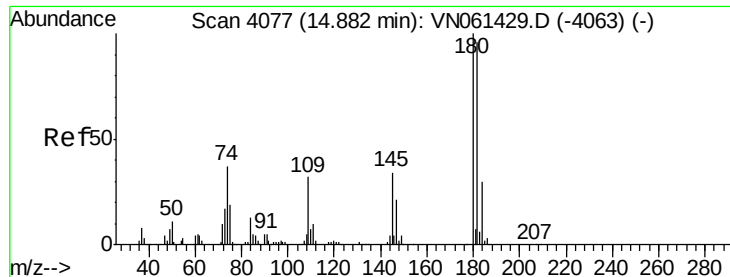
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.7
148	62.9	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.160 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	38.9	116.7
157	104.4	48.6	145.8

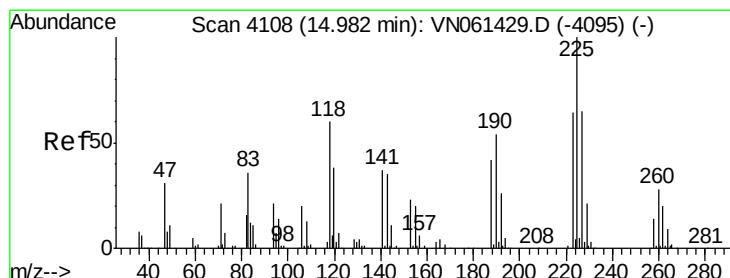
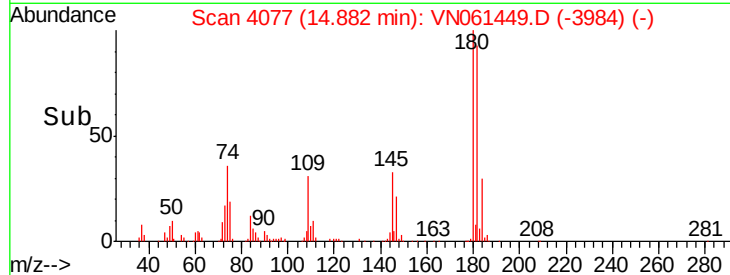
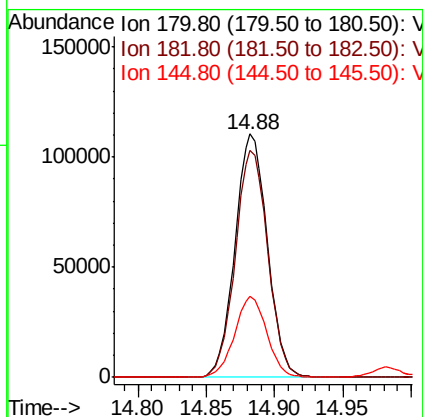
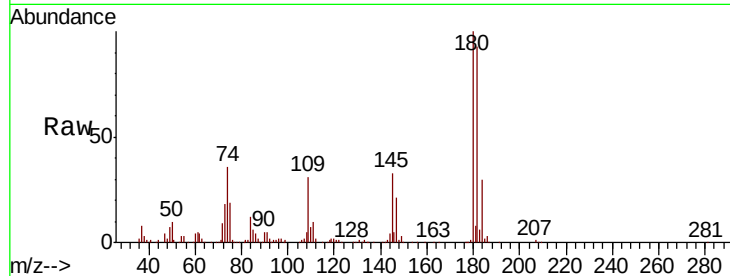




#93
 1,2,4-Trichlorobenzene
 Concen: 44.688 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

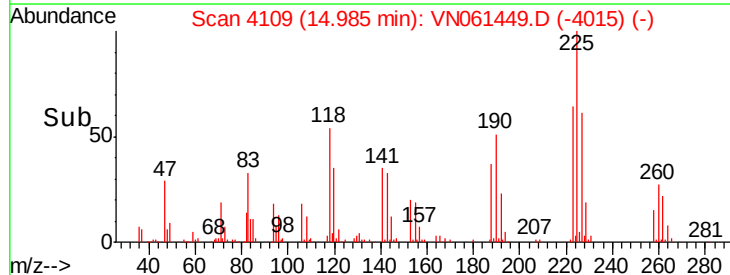
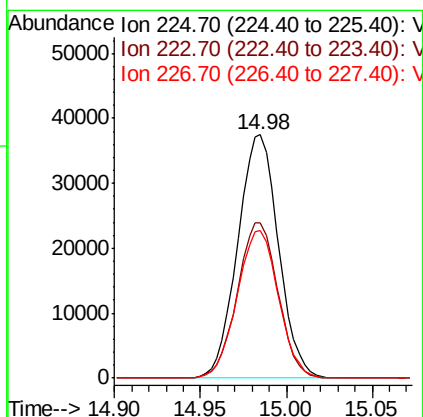
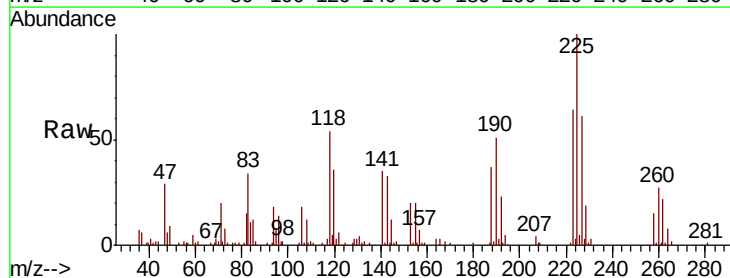
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

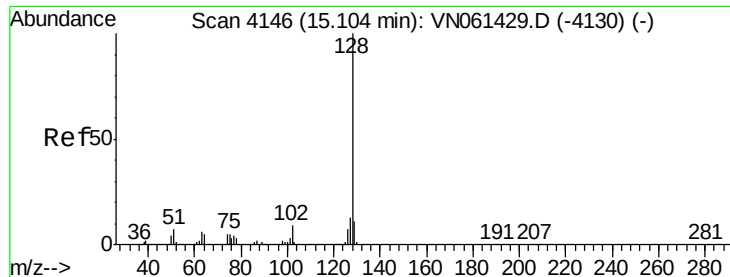
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.0	141.0
145	33.3	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 34.053 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061449.D
 Acq: 18 May 2020 20:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	61.4	31.5	94.5





#95

Naphthalene

Concen: 49.984 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

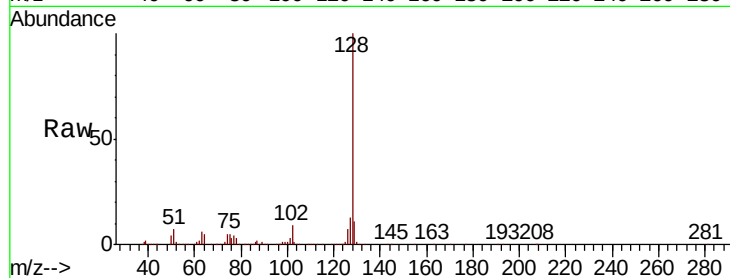
Tot Ion:128 Resp: 646745

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

129 11.0 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

500000

400000

300000

200000

100000

0

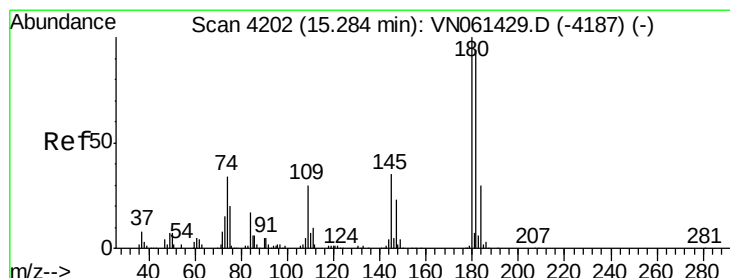
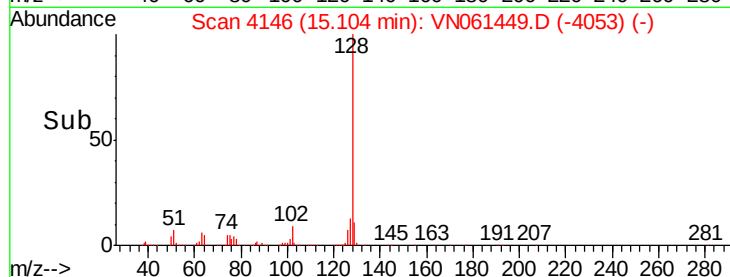
15.10

15.00

15.10

15.20

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 43.665 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061449.D

Acq: 18 May 2020 20:57

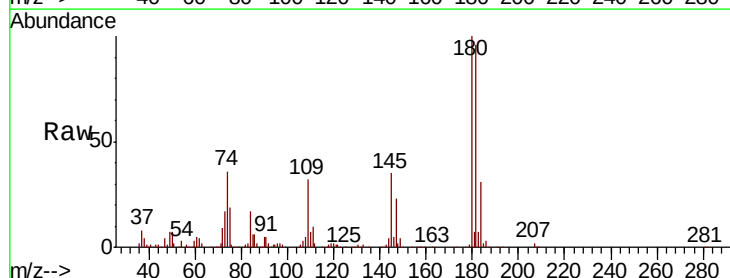
Tgt Ion:180 Resp: 176915

Ion Ratio Lower Upper

180 100

182 94.3 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

120000

100000

80000

60000

40000

20000

0

15.28

15.20

15.30

Time-->

