

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055596.D
 Acq On : 14 May 2019 16:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 15 07:44:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 07:28:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	756289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1269240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1106995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	460264	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	525021	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.59	113	419424	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	10.09	98	1626431	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.40	95	535426	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	350801	45.452	ug/l	99
3) Chloromethane	2.06	50	542072	45.145	ug/l	98
4) Vinyl Chloride	2.18	62	534052	45.635	ug/l	98
5) Bromomethane	2.54	94	316618	46.323	ug/l	100
6) Chloroethane	2.69	64	330066	46.531	ug/l	99
7) Trichlorofluoromethane	3.01	101	613309	47.018	ug/l	99
8) Diethyl Ether	3.41	74	272836	46.813	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	383155	46.661	ug/l	99
10) Methyl Iodide	3.94	142	543141	51.876	ug/l	99
11) Tert butyl alcohol	4.81	59	341691	251.732	ug/l	98
12) 1,1-Dichloroethene	3.72	96	396071	48.169	ug/l	99
13) Acrolein	3.60	56	316230	232.200	ug/l	100
14) Allyl chloride	4.32	41	773164	48.806	ug/l	99
15) Acrylonitrile	4.99	53	1123466	246.481	ug/l	99
16) Acetone	3.82	43	1081844	223.888	ug/l	99
17) Carbon Disulfide	4.04	76	1120001	47.534	ug/l	99
18) Methyl Acetate	4.33	43	459625	50.748	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1281763	49.932	ug/l	100
20) Methylene Chloride	4.54	84	474809	46.686	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	431380	48.265	ug/l	97
22) Diisopropyl ether	5.95	45	1579471	49.641	ug/l	99
23) Vinyl Acetate	5.90	43	6264815	262.780	ug/l	100
24) 1,1-Dichloroethane	5.85	63	846666	47.912	ug/l	100
25) 2-Butanone	6.84	43	1545885	244.102	ug/l	100
26) 2,2-Dichloropropane	6.82	77	568383	49.801	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	498539	48.147	ug/l	99
28) Bromochloromethane	7.19	49	410307	47.805	ug/l	99
29) Tetrahydrofuran	7.21	42	998252	243.147	ug/l	98
30) Chloroform	7.37	83	788126	47.658	ug/l	100
31) Cyclohexane	7.65	56	807361	45.912	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	628194	49.057	ug/l	98
36) 1,1-Dichloropropene	7.79	75	614381	48.686	ug/l	100
37) Ethyl Acetate	6.93	43	595875	50.396	ug/l	99
38) Carbon Tetrachloride	7.77	117	518555	49.497	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	735196	49.472	ug/l	98
40) Benzene	8.04	78	1895769	49.193	ug/l	99
41) Methacrylonitrile	7.17	41	309284	57.384	ug/l	99
42) 1,2-Dichloroethane	8.12	62	626994	48.786	ug/l	100
43) Isopropyl Acetate	8.17	43	961567	51.855	ug/l	100
44) Trichloroethene	8.83	130	453551	48.936	ug/l	98
45) 1,2-Dichloropropane	9.12	63	526645	49.582	ug/l	100
46) Dibromomethane	9.21	93	305405	48.685	ug/l	99
47) Bromodichloromethane	9.40	83	601762	50.323	ug/l	97
48) Methyl methacrylate	9.20	41	454722	50.197	ug/l	98
49) 1,4-Dioxane	9.20	88	172368	1041.146	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2963337	254.338	ug/l	100
52) Toluene	10.15	92	1102432	49.931	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	616900	53.812	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	736740	53.521	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	429416	48.647	ug/l	98
56) Ethyl methacrylate	10.43	69	645620	52.486	ug/l	99
57) 1,3-Dichloropropane	10.71	76	765018	50.134	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	883218	233.232	ug/l	100
59) 2-Hexanone	10.75	43	2047091	254.692	ug/l	100
60) Dibromochloromethane	10.90	129	420216	52.336	ug/l	100
61) 1,2-Dibromoethane	11.00	107	432075	51.809	ug/l	99
64) Tetrachloroethene	10.63	164	415274	46.963	ug/l	98
65) Chlorobenzene	11.43	112	1121852	48.836	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	398968	50.665	ug/l	100
67) Ethyl Benzene	11.51	91	2082084	50.535	ug/l	100
68) m/p-Xylenes	11.62	106	1523189	101.145	ug/l	100
69) o-Xylene	11.95	106	746657	50.949	ug/l	100
70) Styrene	11.96	104	1248183	53.555	ug/l	100
71) Bromoform	12.13	173	276608	53.891	ug/l #	100
73) Isopropylbenzene	12.25	105	1967446	43.740	ug/l	100
74) N-amyl acetate	12.07	43	758783	47.802	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	605170	52.038	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	722057	63.405	ug/l #	100
77) Bromobenzene	12.52	156	456113	50.861	ug/l	99
78) n-propylbenzene	12.59	91	2218579	46.260	ug/l	100
79) 2-Chlorotoluene	12.67	91	1351892	44.315	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1640117	46.130	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	155226	48.483	ug/l	97
82) 4-Chlorotoluene	12.77	91	1320820	46.610	ug/l	100
83) tert-Butylbenzene	12.99	119	1366441	44.275	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1574897	47.963	ug/l	100
85) sec-Butylbenzene	13.17	105	1821448	45.825	ug/l	100
86) p-Isopropyltoluene	13.29	119	1574620	48.857	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	758945	47.645	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	735611	46.936	ug/l	99
89) n-Butylbenzene	13.61	91	1237836	52.058	ug/l	99
90) Hexachloroethane	13.87	117	251249	50.393	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	748729	47.034	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	89677	46.686	ug/l	95

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Quant Title : SW846 8260
QLast Update : Wed May 15 07:28:47 2019
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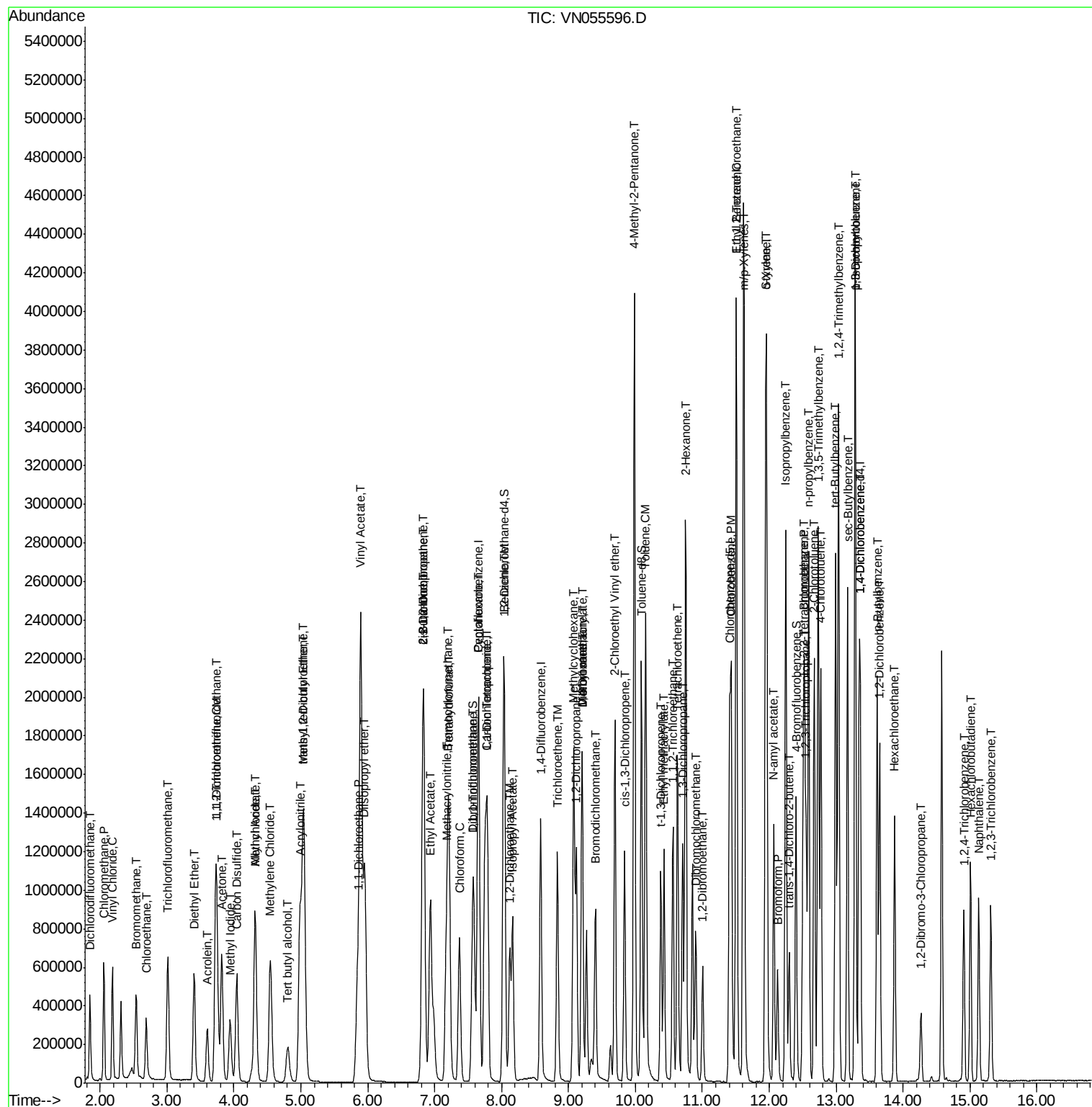
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	296991	46.139	ug/l	99
94) Hexachlorobutadiene	15.01	225	227805	52.078	ug/l	99
95) Naphthalene	15.13	128	808420	47.048	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	322601	47.093	ug/l	99

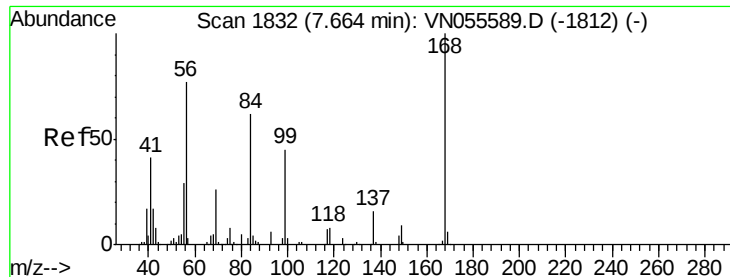
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN051419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

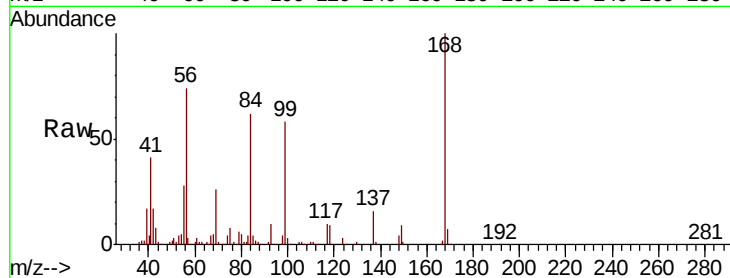
VSTDCCC050EC

Tot Ion:168 Resp: 756289

Ion Ratio Lower Upper

168 100

99 57.1 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

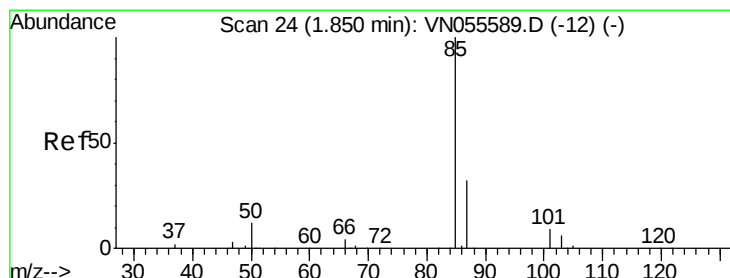
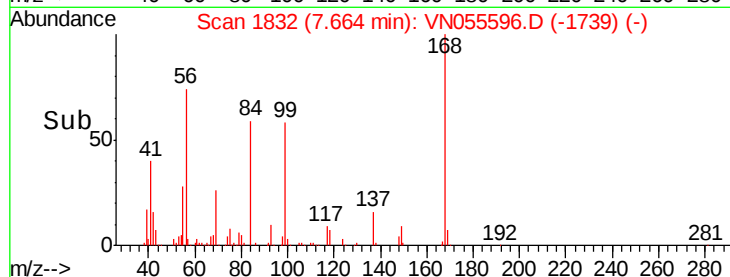
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.452 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN055596.D

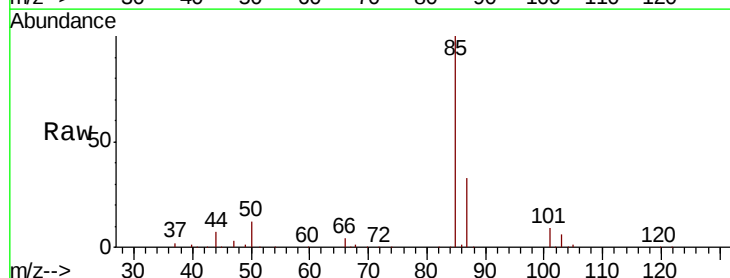
Acq: 14 May 2019 16:16

Tgt Ion: 85 Resp: 350801

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

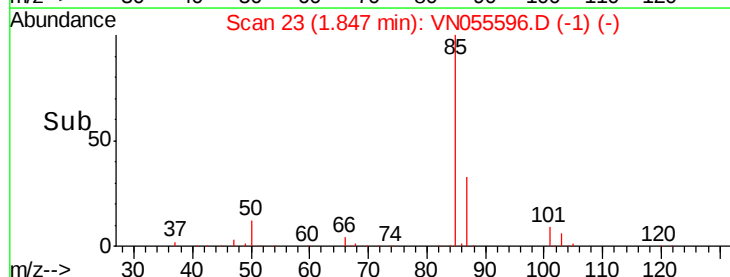
150000

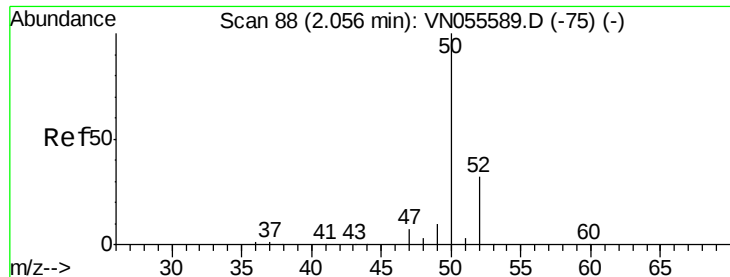
100000

50000

0

Time-->





#3

Chloromethane

Concen: 45.145 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

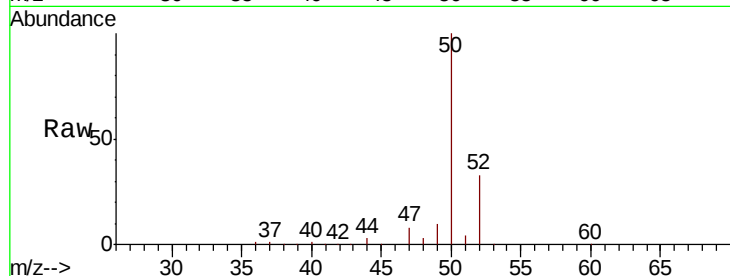
VSTDCCC050EC

Tot Ion: 50 Resp: 542072

Ion Ratio Lower Upper

50 100

52 33.0 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

400000

300000

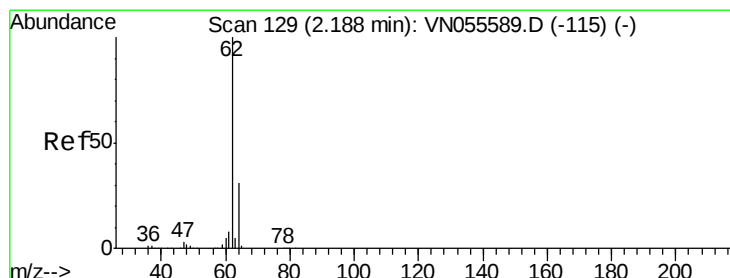
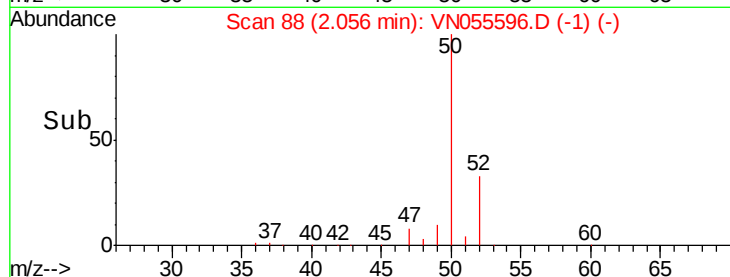
200000

100000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 45.635 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055596.D

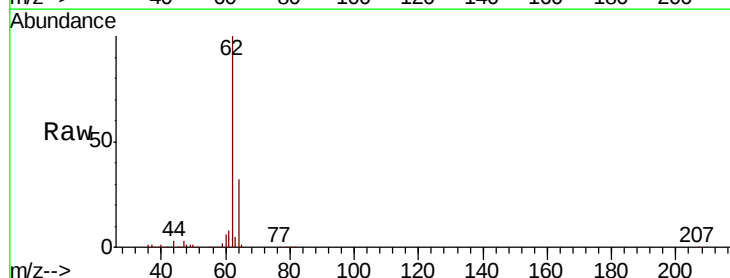
Acq: 14 May 2019 16:16

Tgt Ion: 62 Resp: 534052

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

400000

300000

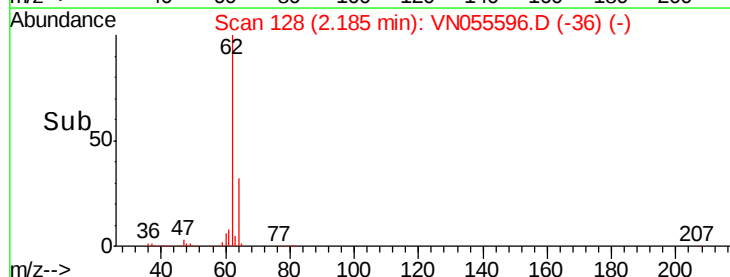
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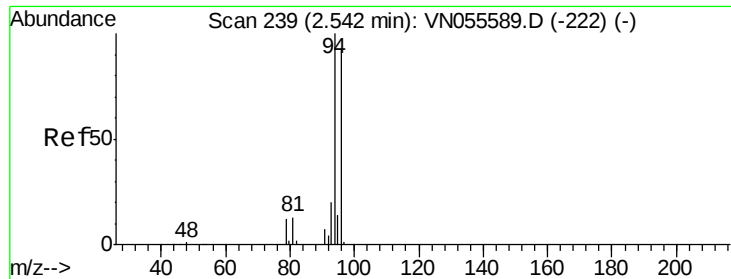
100000

0

Time-->

2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 46.323 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

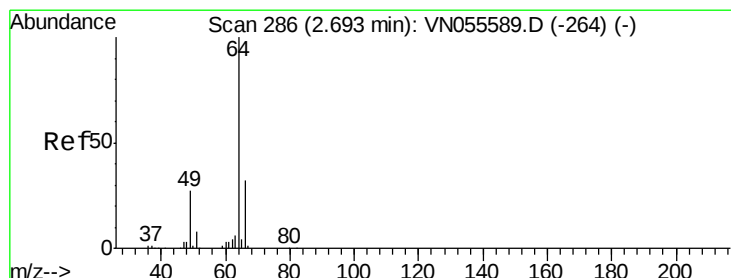
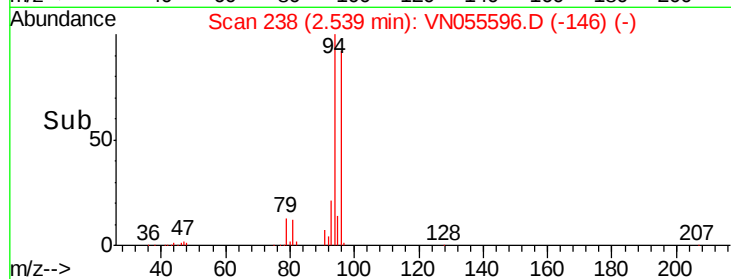
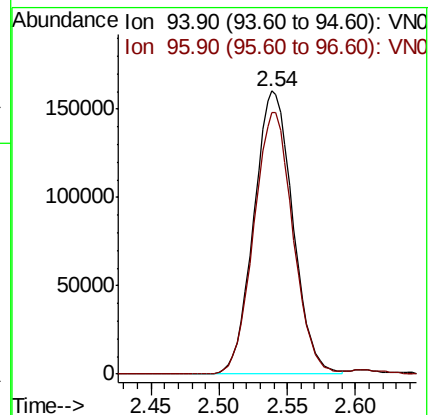
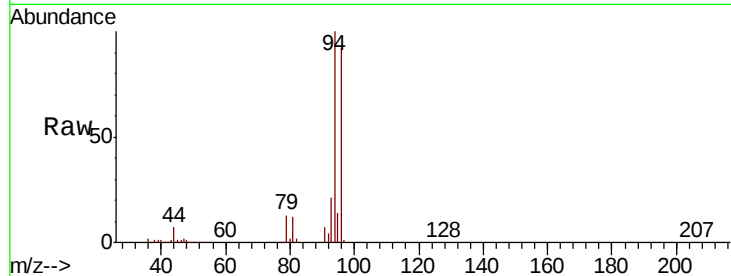
VSTDCCC050EC

Tot Ion: 94 Resp: 316618

Ion Ratio Lower Upper

94 100

96 92.4 74.0 111.0



#6

Chloroethane

Concen: 46.531 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN055596.D

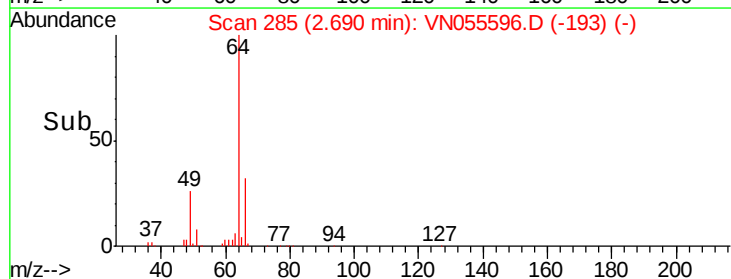
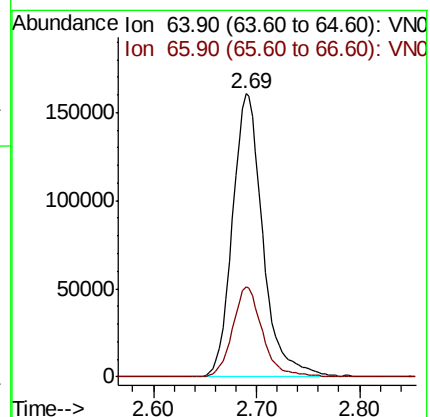
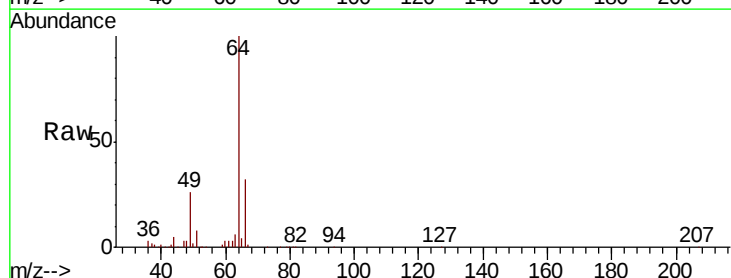
Acq: 14 May 2019 16:16

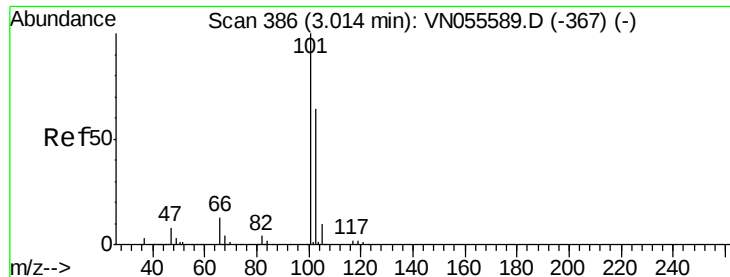
Tgt Ion: 64 Resp: 330066

Ion Ratio Lower Upper

64 100

66 31.9 25.8 38.6



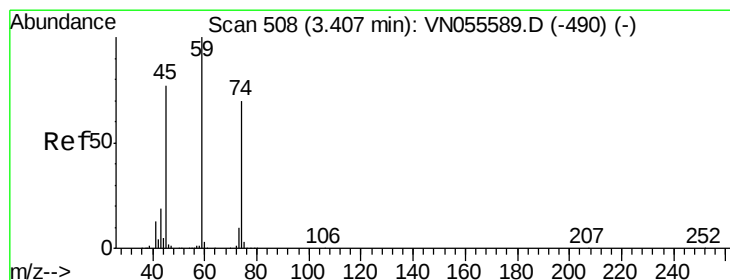
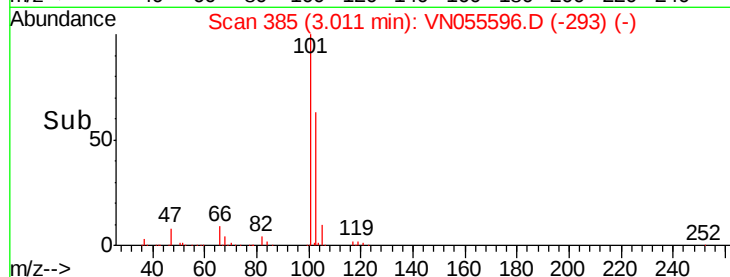
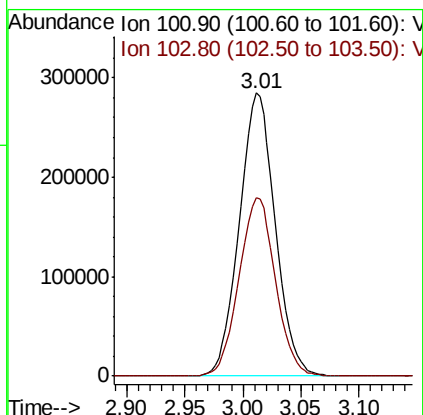
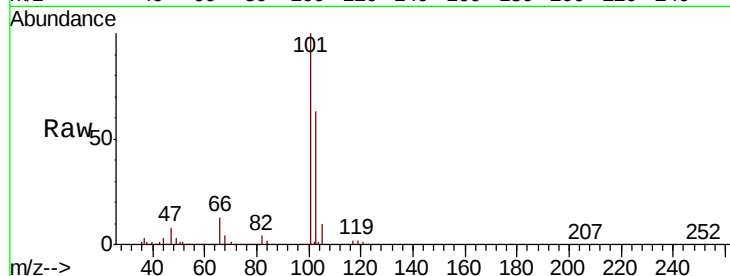


#7

Trichlorofluoromethane
Concen: 47.018 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Instrument :
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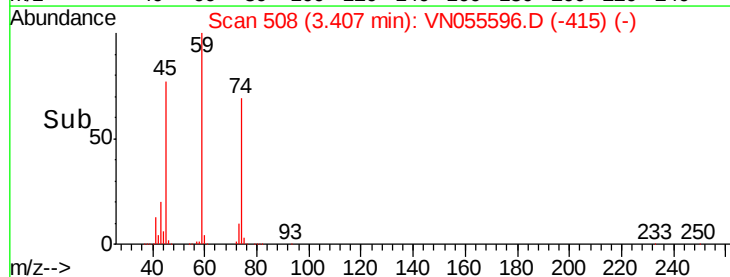
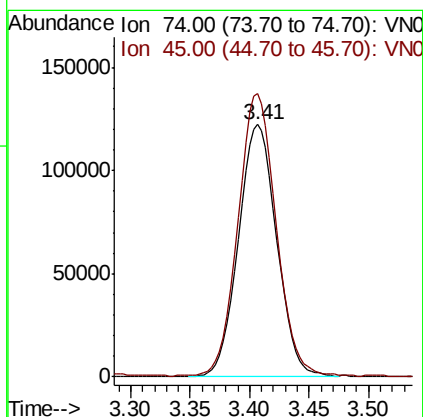
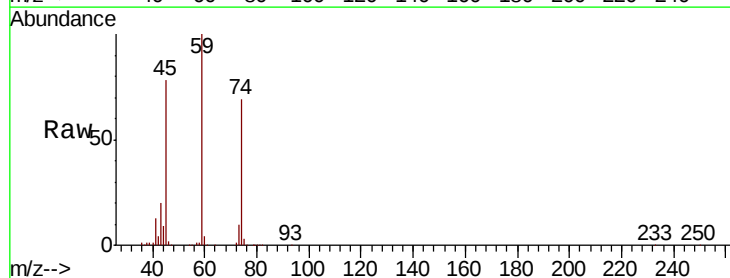
Tot Ion:101 Resp: 613309
Ion Ratio Lower Upper
101 100
103 62.8 51.0 76.6

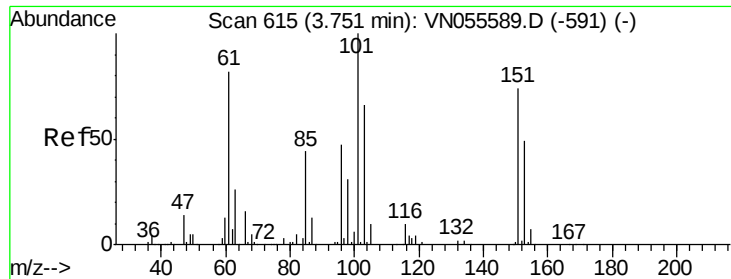


#8

Diethyl Ether
Concen: 46.813 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion: 74 Resp: 272836
Ion Ratio Lower Upper
74 100
45 111.0 54.9 164.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.661 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

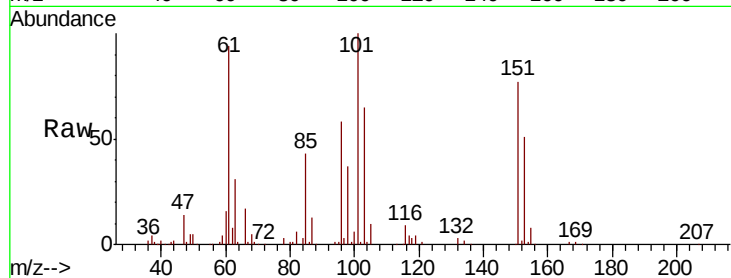
Tot Ion:101 Resp: 383155

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.2

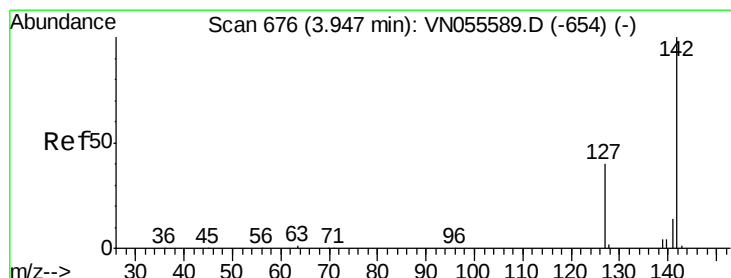
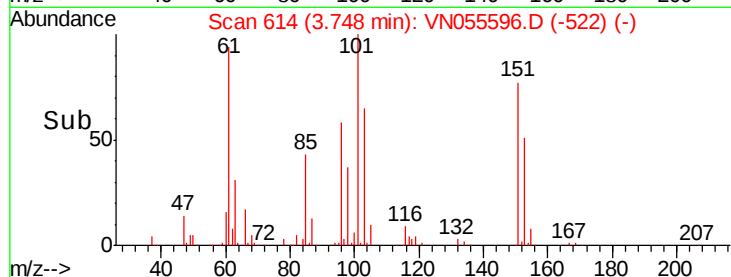
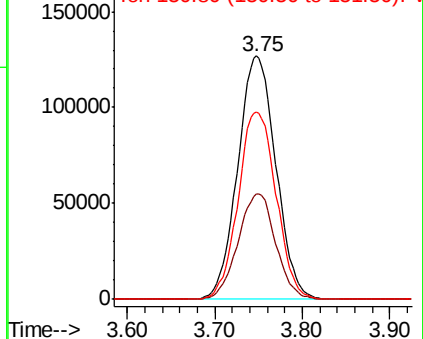
151 76.7 60.2 90.2



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: 51.876 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

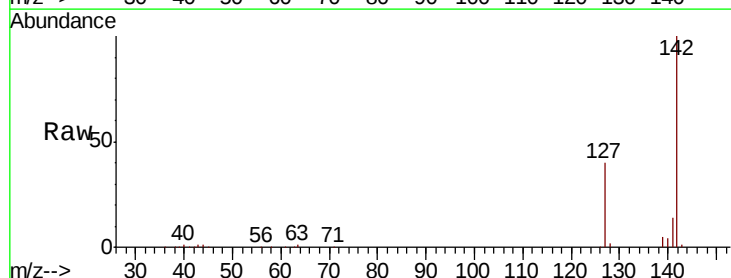
Tgt Ion:142 Resp: 543141

Ion Ratio Lower Upper

142 100

127 39.8 32.5 48.7

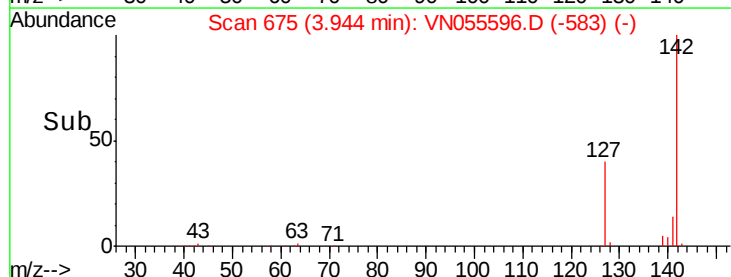
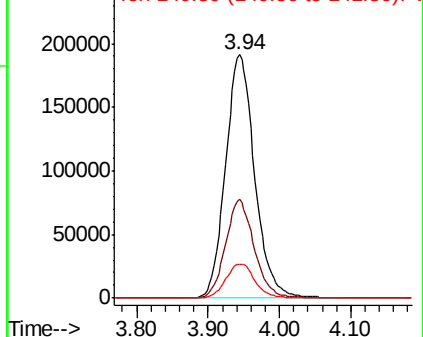
141 14.2 11.2 16.8

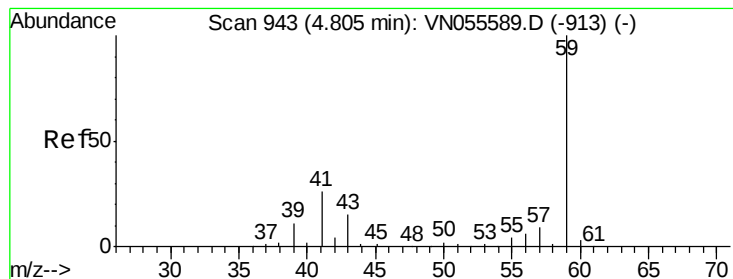


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



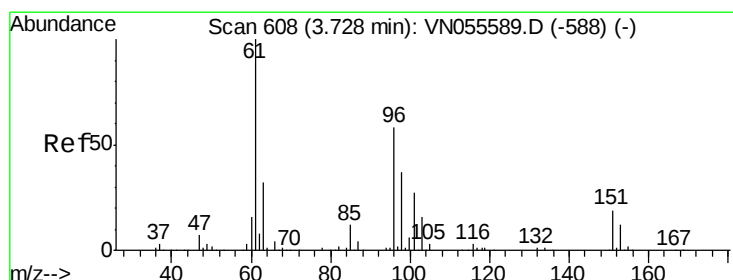
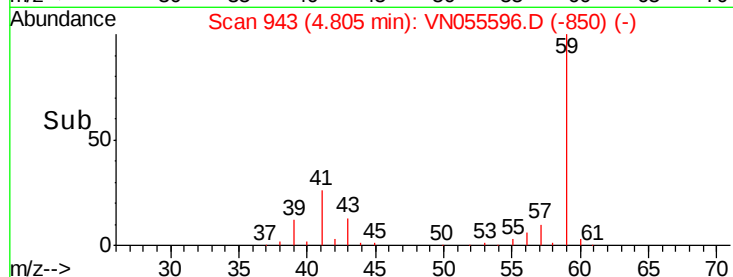
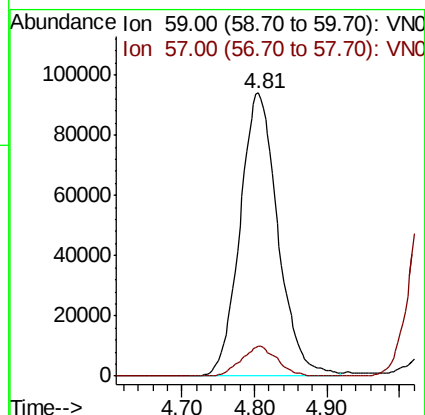
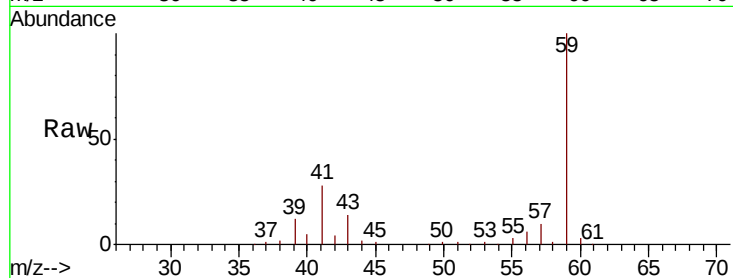


#11

Tert butyl alcohol
 Concen: 251.732 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: VN055596.D
 Acq: 14 May 2019 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

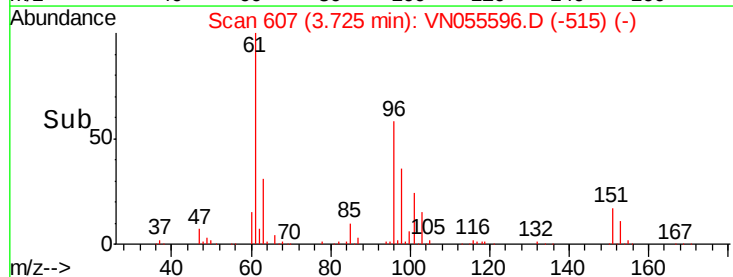
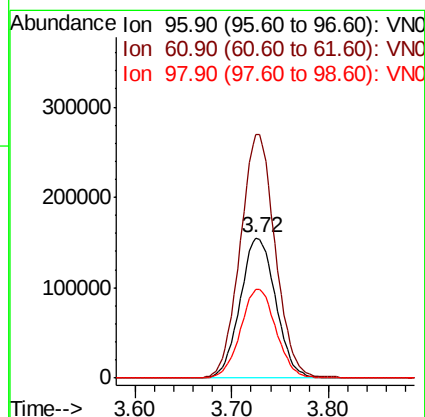
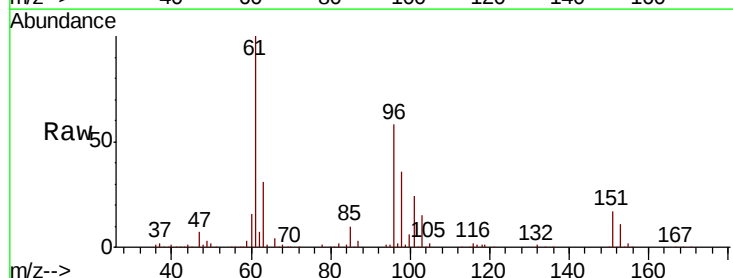
Tot Ion: 59 Resp: 341691
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.6 11.4

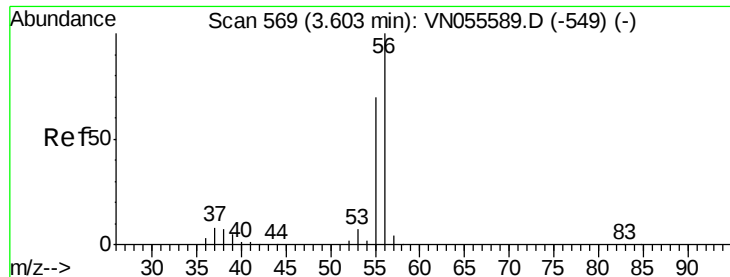


#12

1,1-Dichloroethene
 Concen: 48.169 ug/l
 RT: 3.72 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN055596.D
 Acq: 14 May 2019 16:16

Tgt Ion: 96 Resp: 396071
 Ion Ratio Lower Upper
 96 100
 61 173.9 137.5 206.3
 98 63.0 50.3 75.5

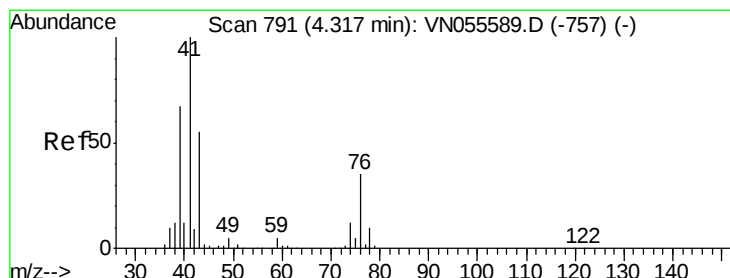
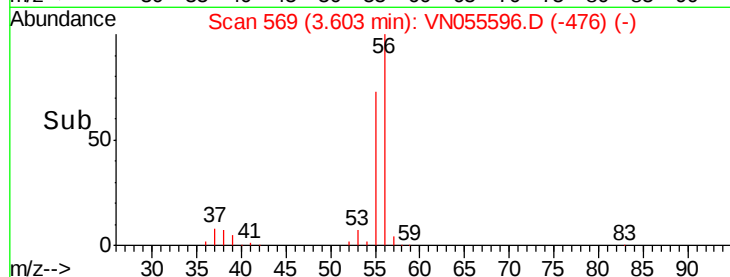
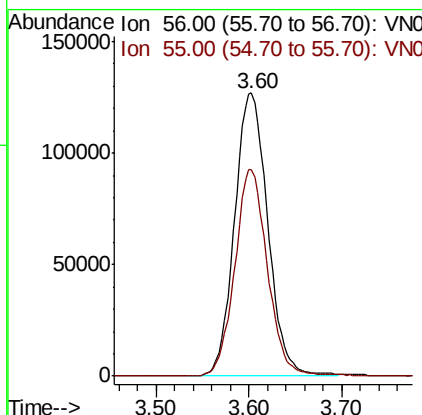
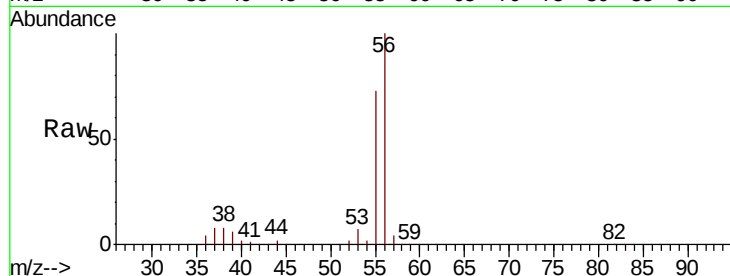




#13
Acrolein
Concen: 232.200 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

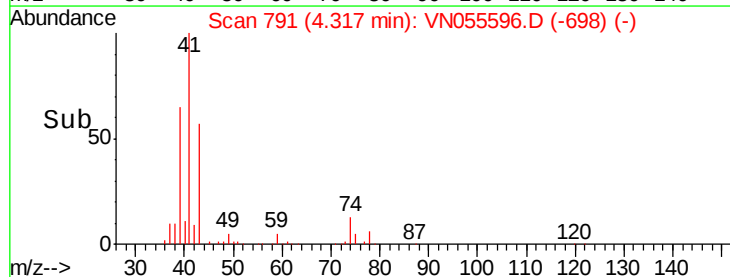
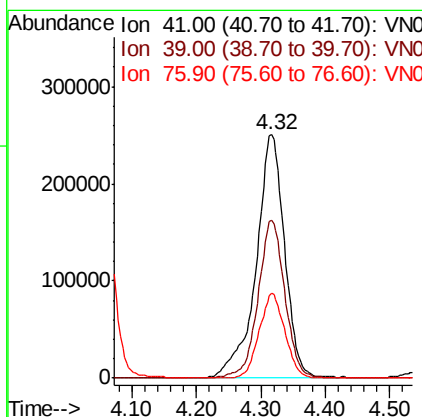
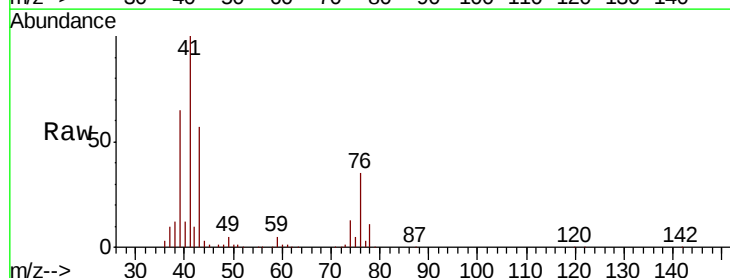
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

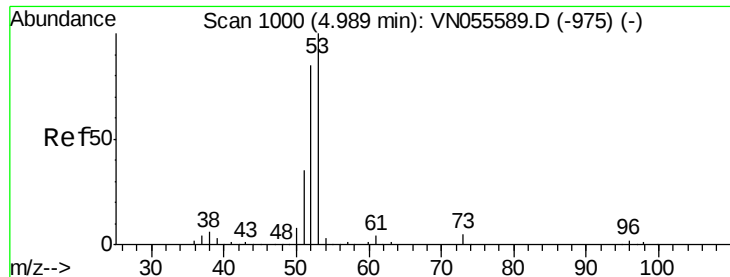
Tot Ion: 56 Resp: 316230
Ion Ratio Lower Upper
56 100
55 71.5 57.1 85.7



#14
Allyl chloride
Concen: 48.806 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion: 41 Resp: 773164
Ion Ratio Lower Upper
41 100
39 60.5 49.3 73.9
76 31.0 24.7 37.1





#15

Acrylonitrile

Concen: 246.481 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

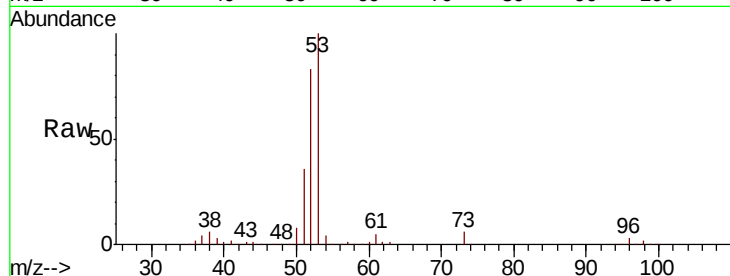
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1123466

Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.6	98.4
51	35.6	28.3	42.5

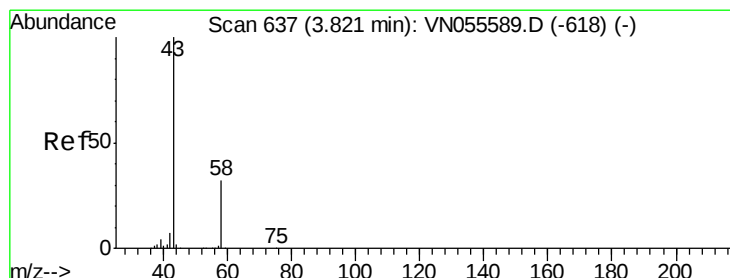
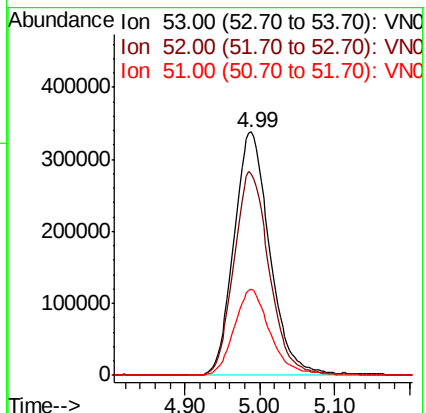
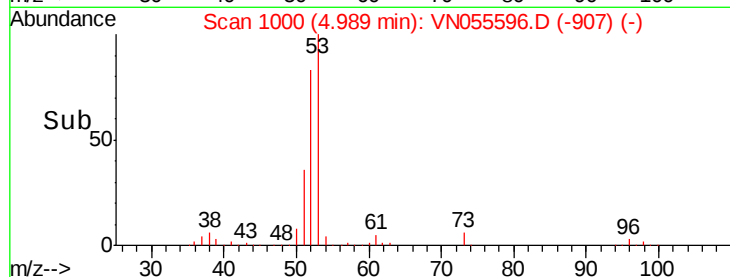


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 223.888 ug/l

RT: 3.82 min Scan# 636

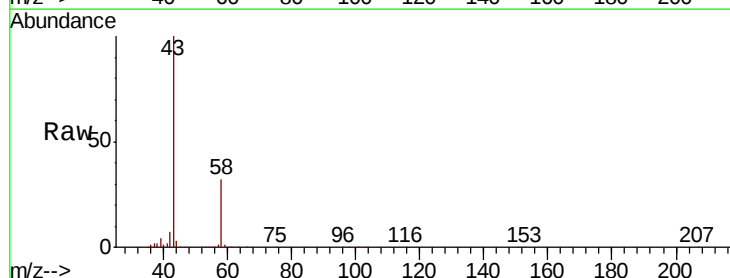
Delta R.T. -0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Tgt Ion: 43 Resp: 1081844

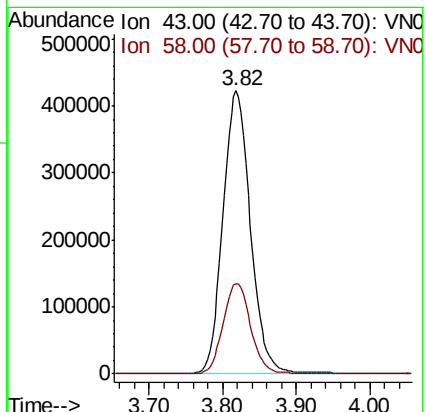
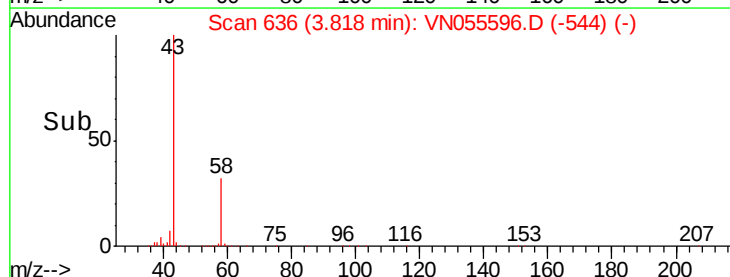
Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.7	38.5

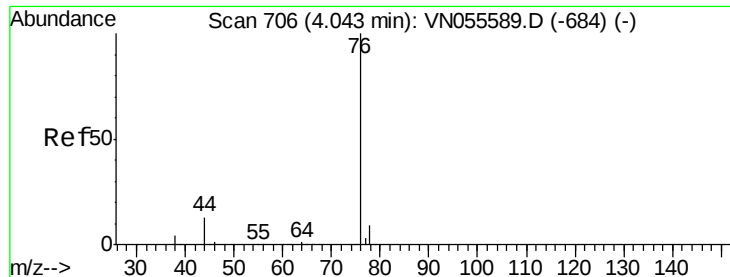


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

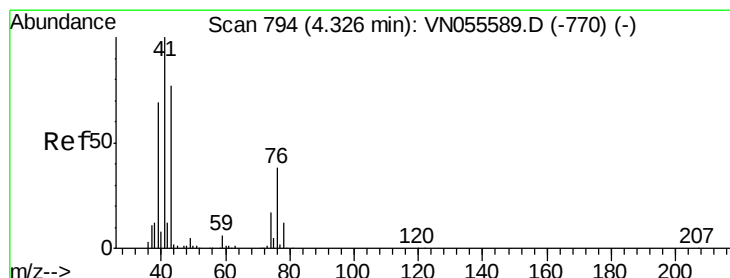
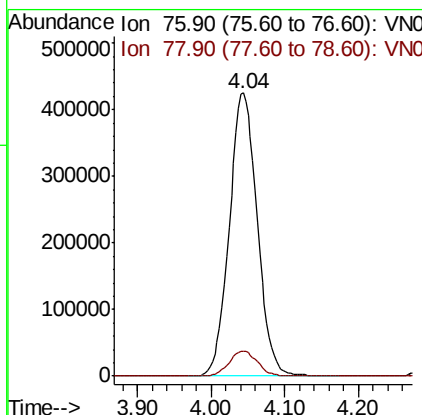
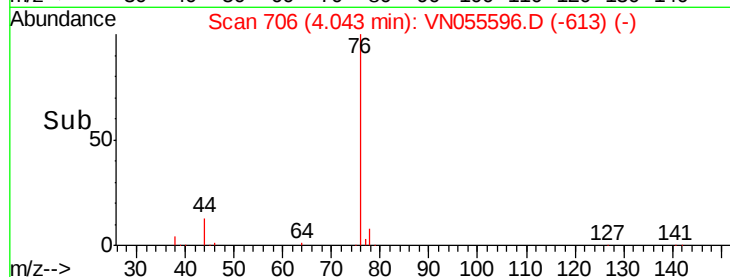
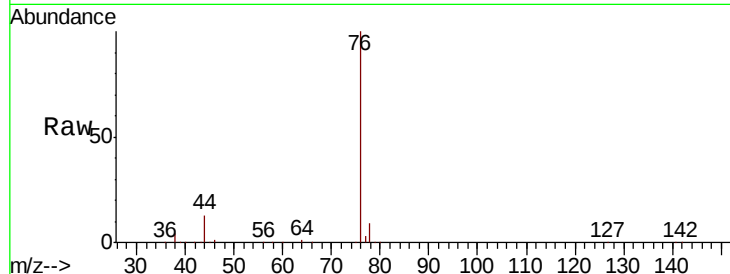




#17
Carbon Disulfide
Concen: 47.534 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

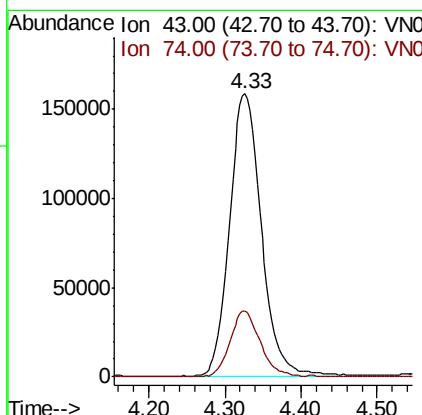
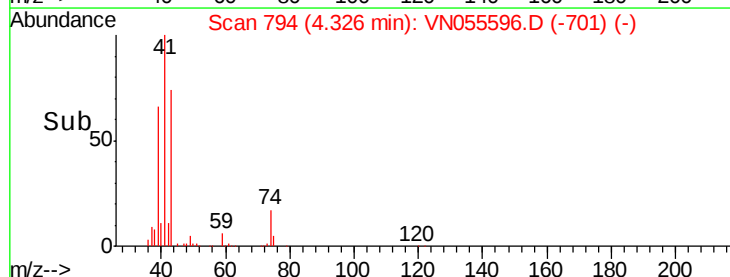
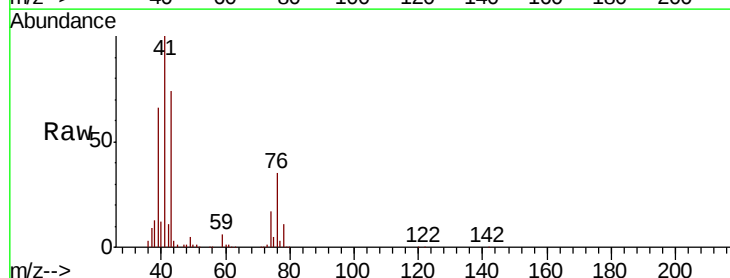
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

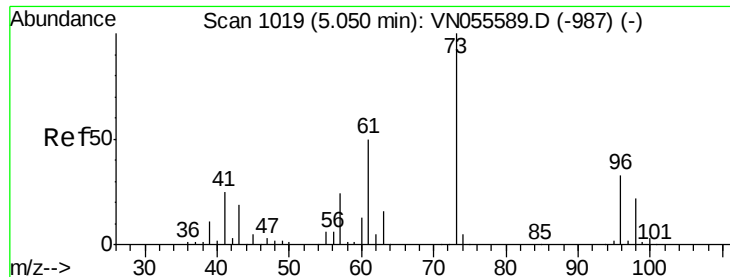
Tot Ion: 76 Resp: 1120001
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 50.748 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion: 43 Resp: 459625
Ion Ratio Lower Upper
43 100
74 22.3 17.4 26.2

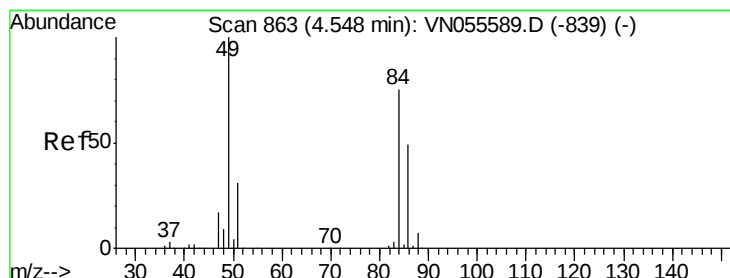
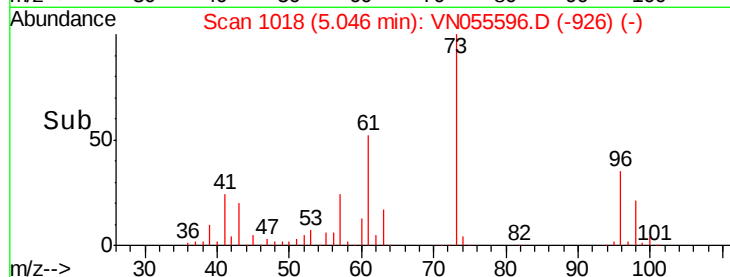
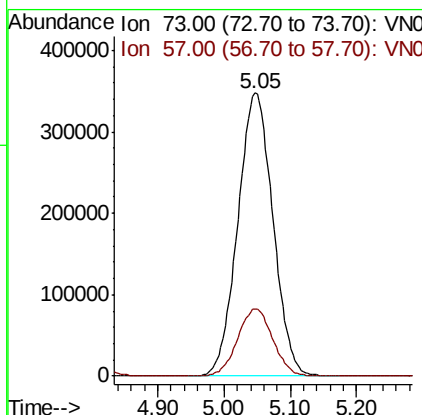
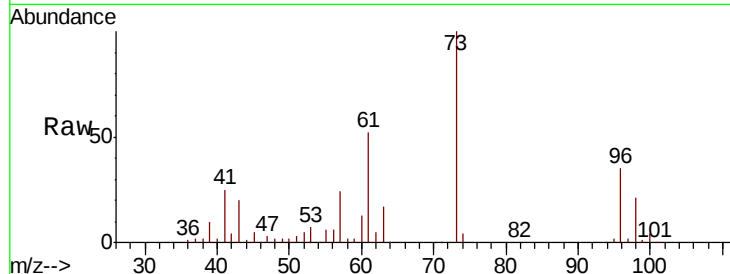




#19
Methyl tert-butyl Ether
Concen: 49.932 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

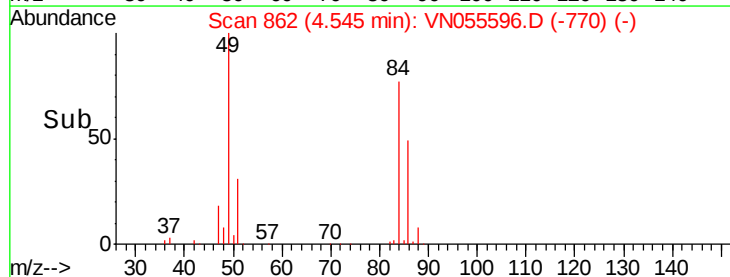
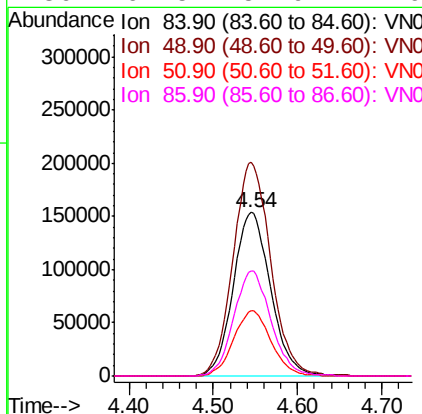
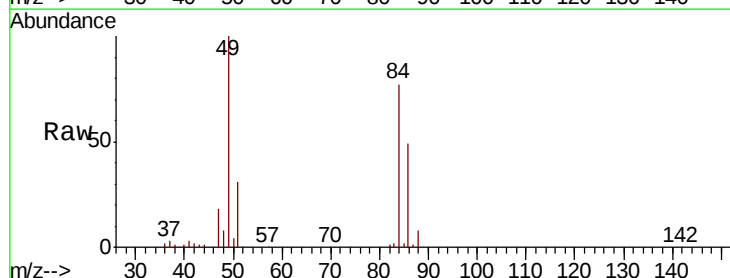
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

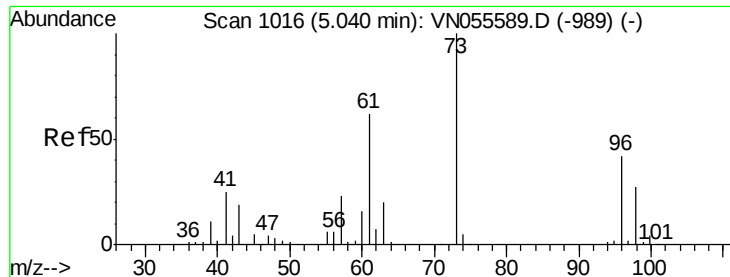
Tot Ion: 73 Resp: 1281763
Ion Ratio Lower Upper
73 100
57 23.7 18.9 28.3



#20
Methylene Chloride
Concen: 46.686 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion: 84 Resp: 474809
Ion Ratio Lower Upper
84 100
49 130.4 106.2 159.2
51 40.1 32.7 49.1
86 64.5 51.9 77.9

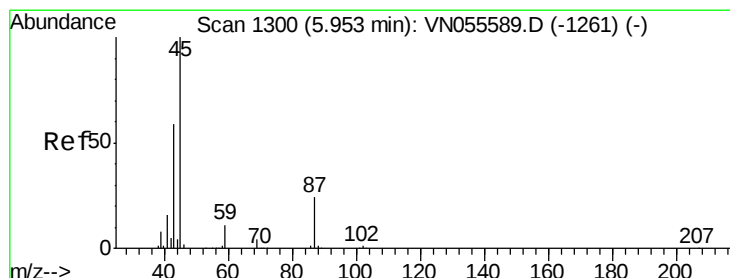
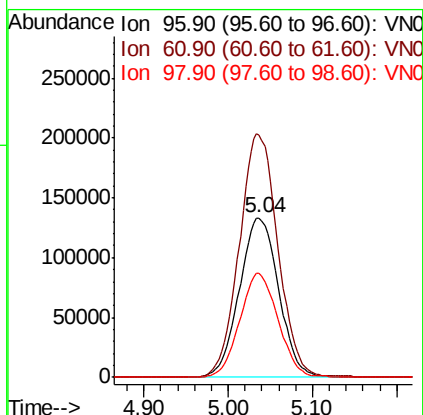
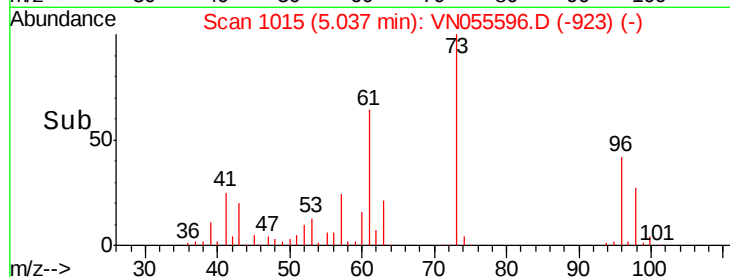
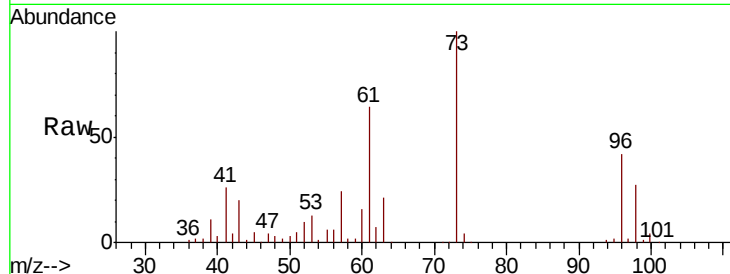




#21
trans-1,2-Dichloroethene
Concen: 48.265 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

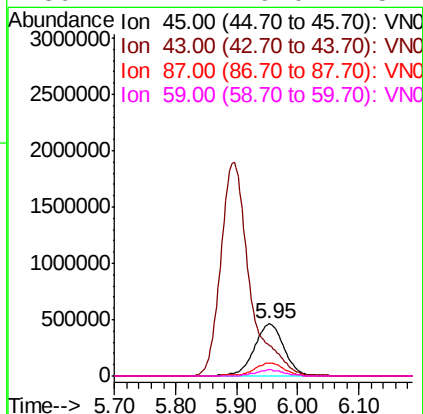
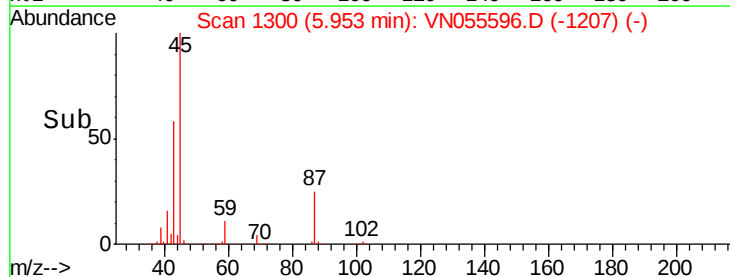
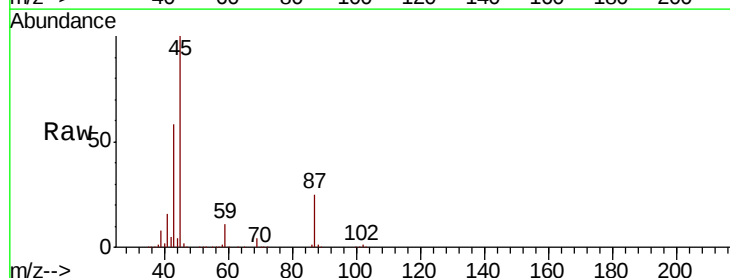
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

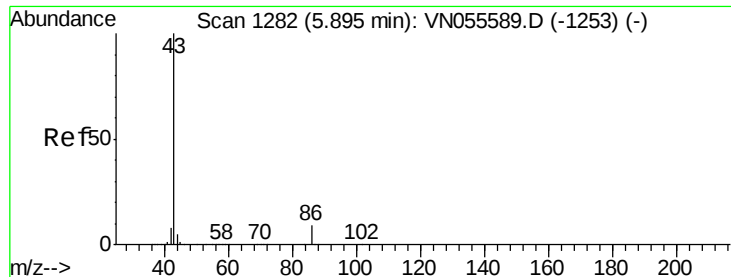
Tot Ion: 96 Resp: 431380
Ion Ratio Lower Upper
96 100
61 152.0 117.8 176.6
98 65.2 51.4 77.2



#22
Diisopropyl ether
Concen: 49.641 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion: 45 Resp: 1579471
Ion Ratio Lower Upper
45 100
43 57.8 47.1 70.7
87 24.8 19.5 29.3
59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 262.780 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

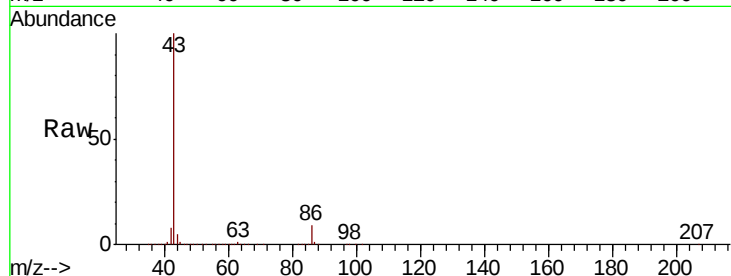
VSTDCCC050EC

Tot Ion: 43 Resp: 6264815

Ion Ratio Lower Upper

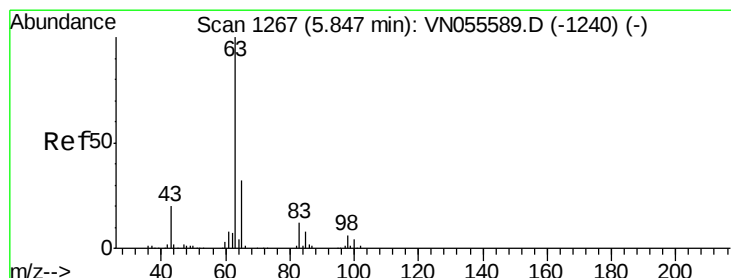
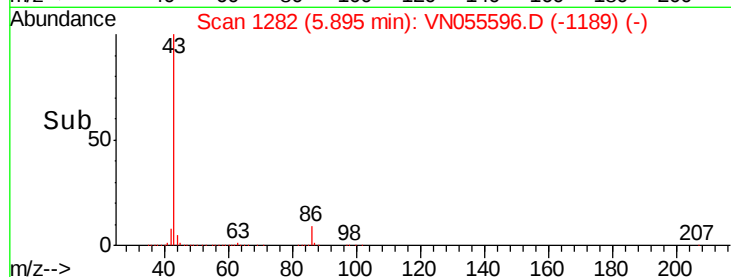
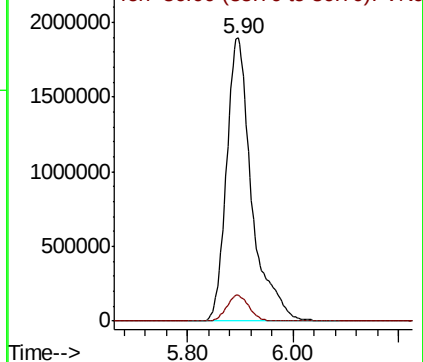
43 100

86 9.2 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.912 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

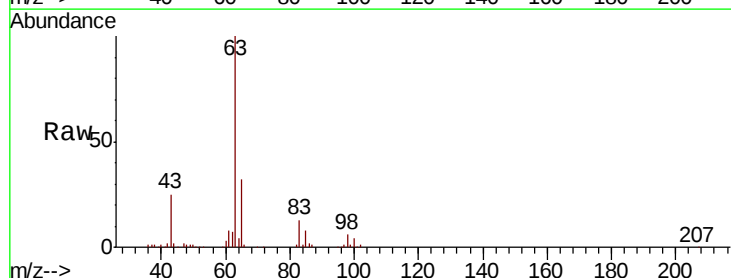
Tgt Ion: 63 Resp: 846666

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

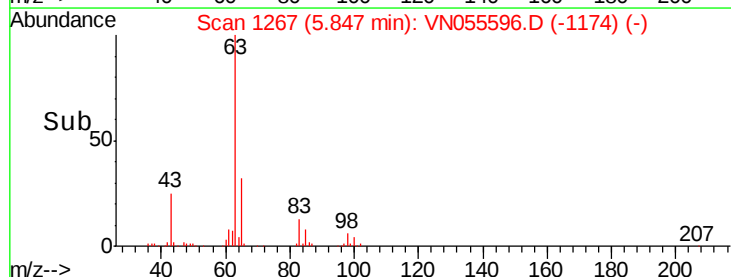
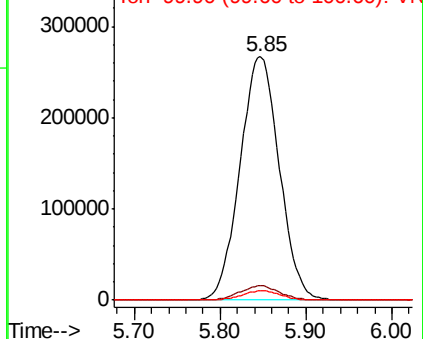
100 4.0 2.1 6.3

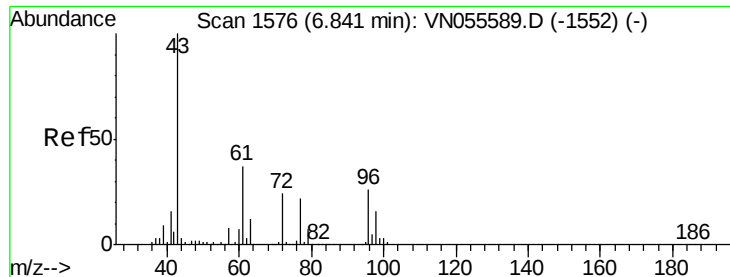


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 244.102 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

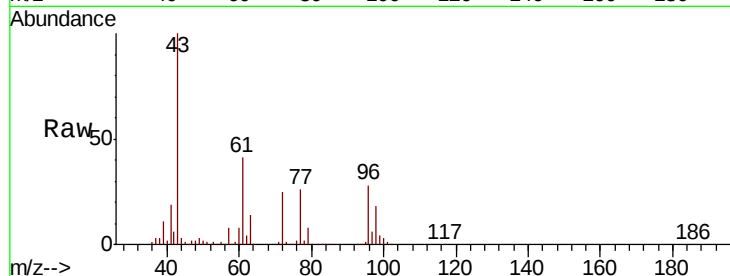
VSTDCCC050EC

Tot Ion: 43 Resp: 1545885

Ion Ratio Lower Upper

43 100

72 24.6 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

500000

400000

300000

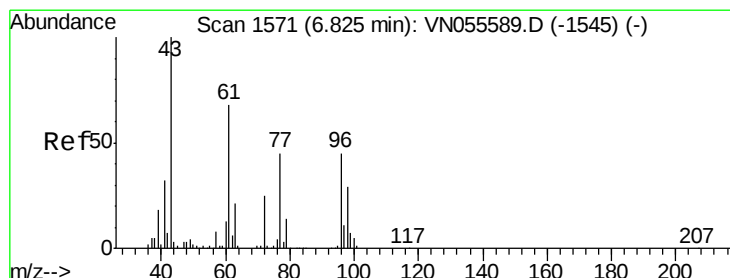
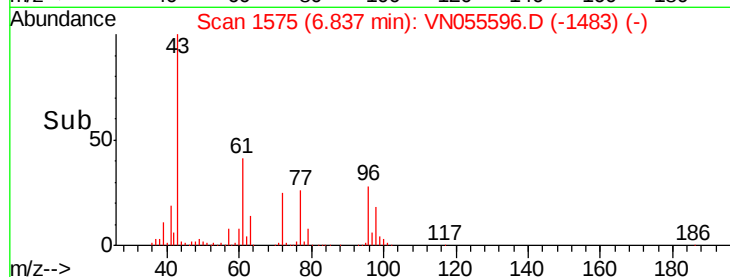
200000

100000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 49.801 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055596.D

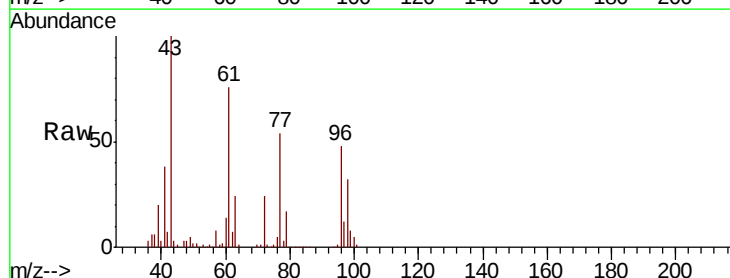
Acq: 14 May 2019 16:16

Tgt Ion: 77 Resp: 568383

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

200000

150000

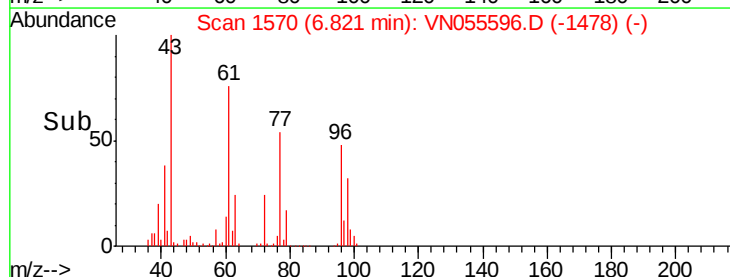
100000

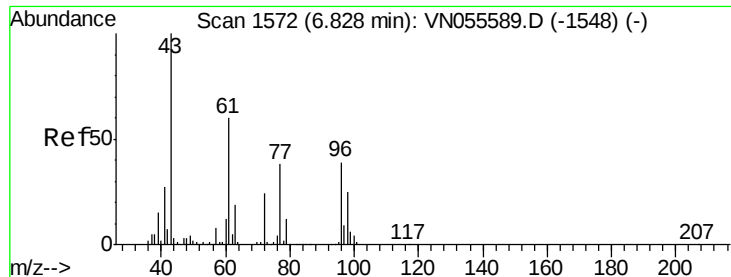
50000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.147 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

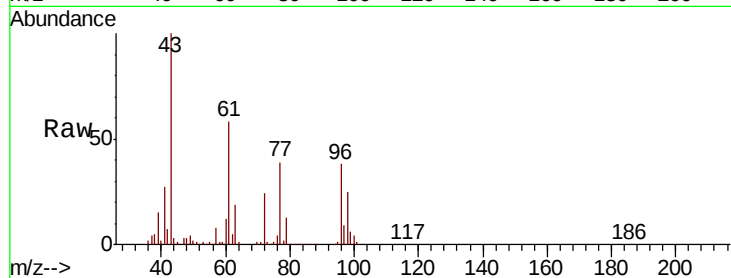
Tot Ion: 96 Resp: 498539

Ion Ratio Lower Upper

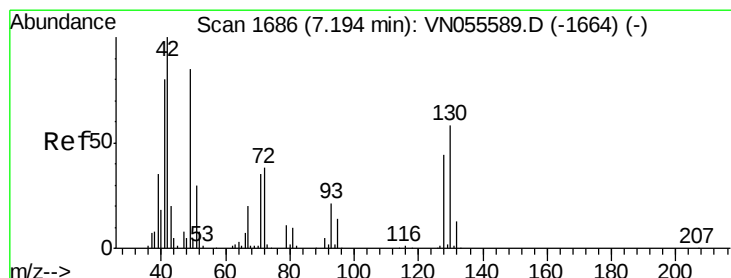
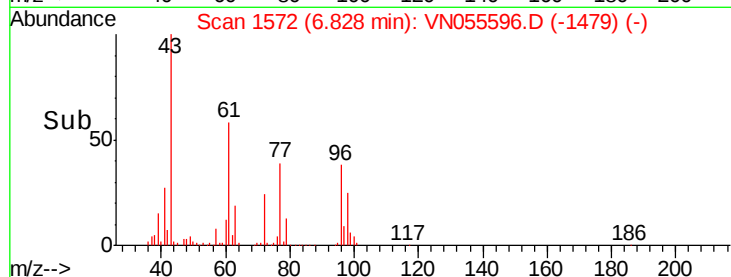
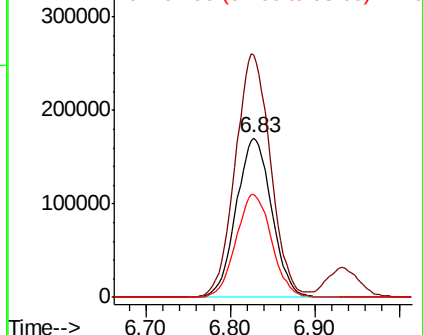
96 100

61 152.0 0.0 305.0

98 64.7 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 47.805 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

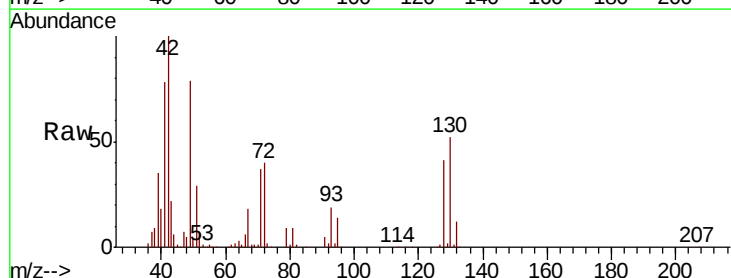
Tgt Ion: 49 Resp: 410307

Ion Ratio Lower Upper

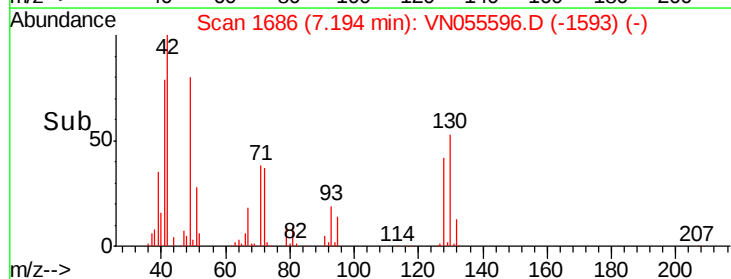
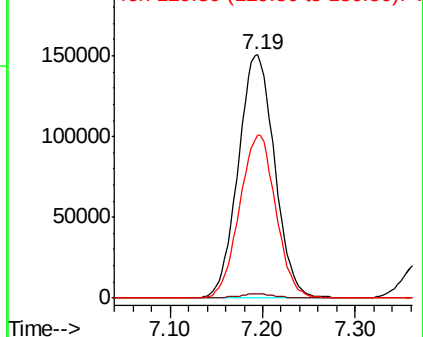
49 100

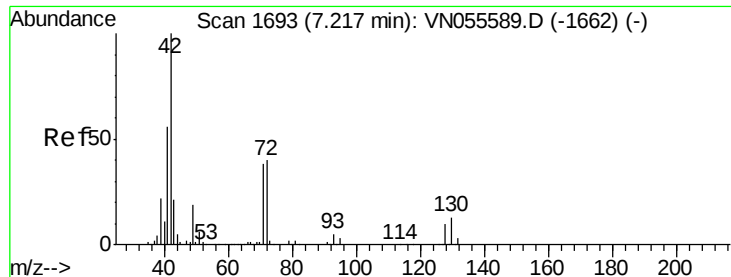
129 1.7 0.0 3.6

130 66.7 52.4 78.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

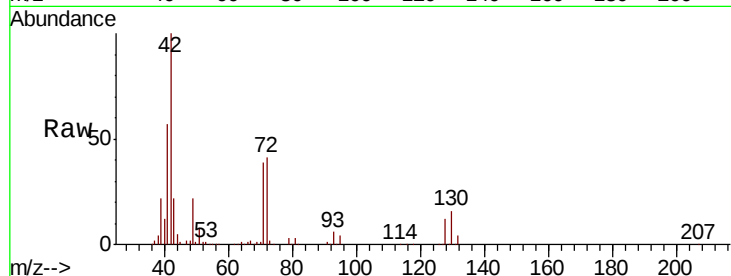




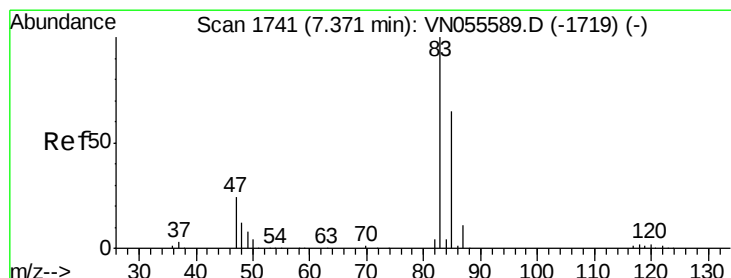
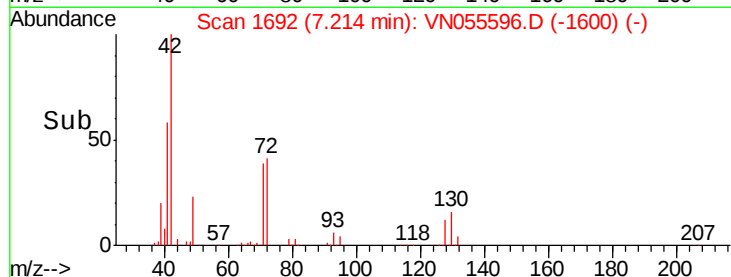
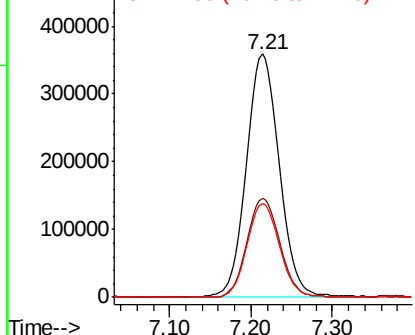
#29
Tetrahydrofuran
Concen: 243.147 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 998252
Ion Ratio Lower Upper
42 100
72 40.5 31.4 47.2
71 38.1 29.9 44.9

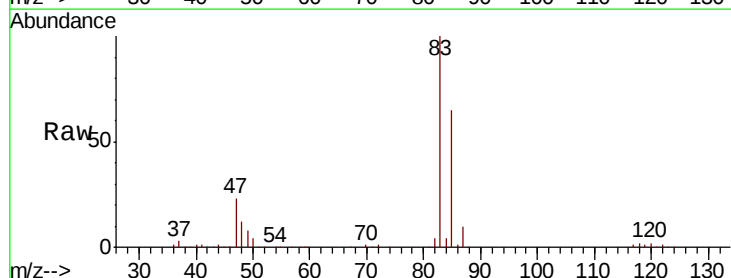


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

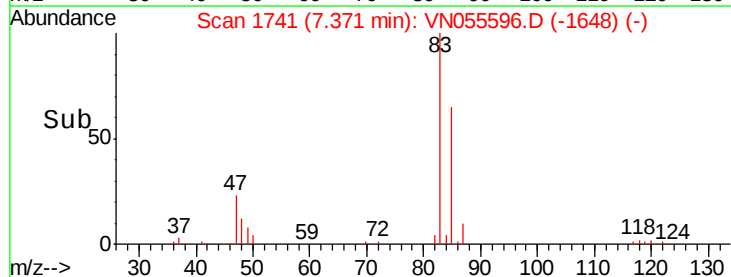
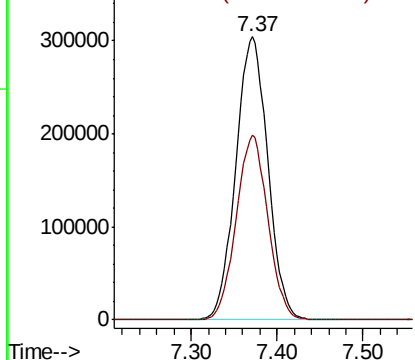


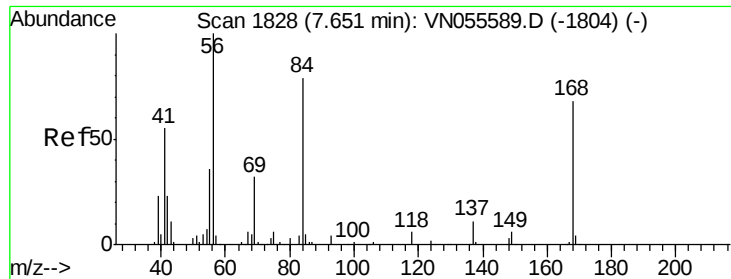
#30
Chloroform
Concen: 47.658 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion: 83 Resp: 788126
Ion Ratio Lower Upper
83 100
85 65.2 51.9 77.9



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





#31

Cyclohexane

Concen: 45.912 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

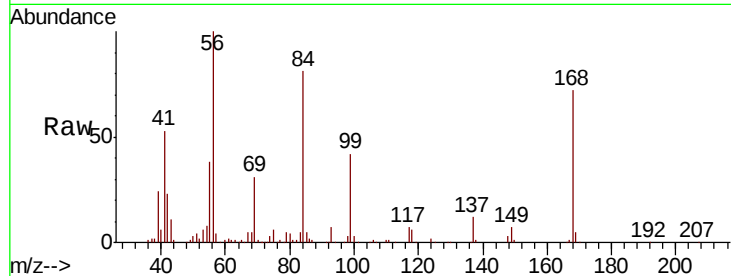
Tot Ion: 56 Resp: 807361

Ion Ratio Lower Upper

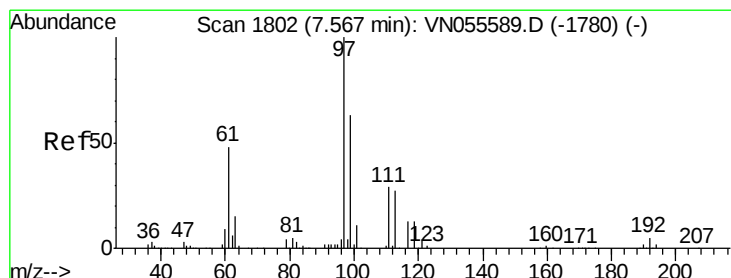
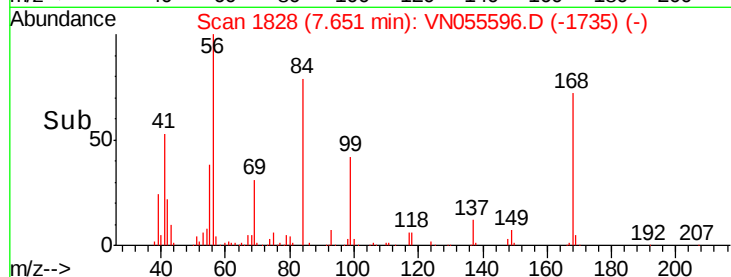
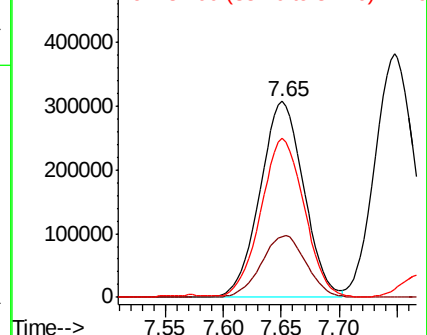
56 100

69 31.2 25.7 38.5

84 79.8 63.4 95.0



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.057 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

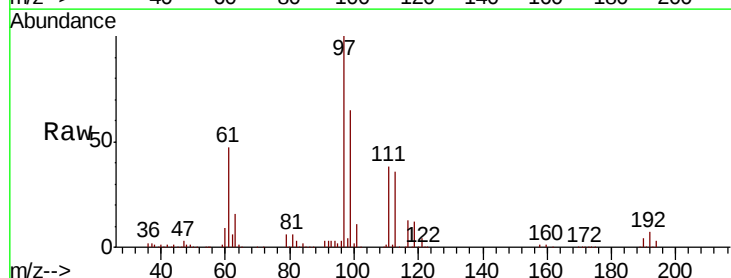
Tgt Ion: 97 Resp: 628194

Ion Ratio Lower Upper

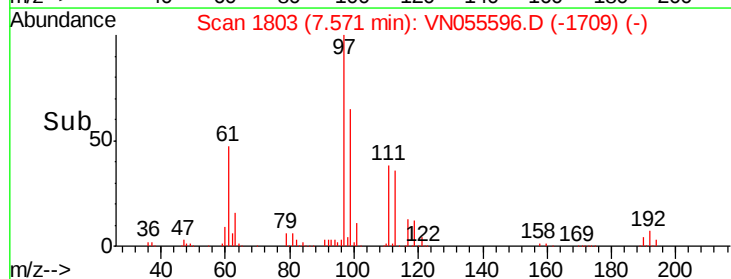
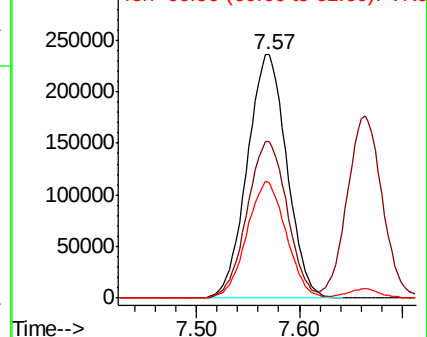
97 100

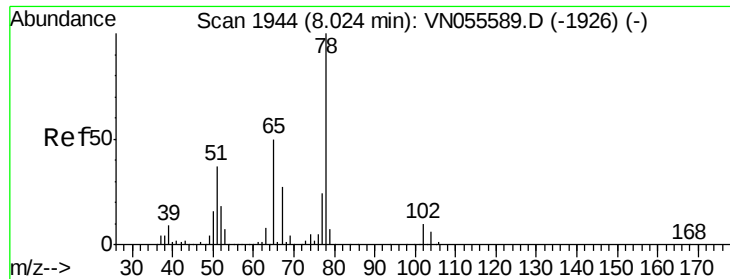
99 65.3 50.8 76.2

61 47.4 38.7 58.1



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.420 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

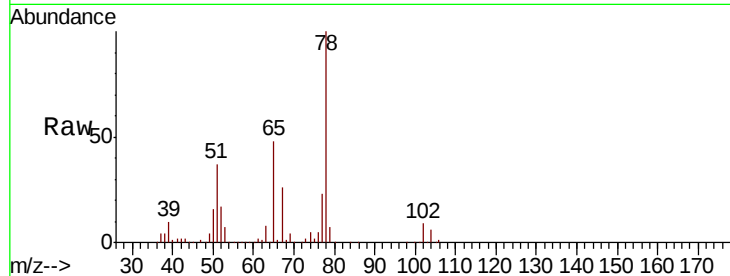
VSTDCCC050EC

Tot Ion: 65 Resp: 525021

Ion Ratio Lower Upper

65 100

67 54.6 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.02

250000

200000

150000

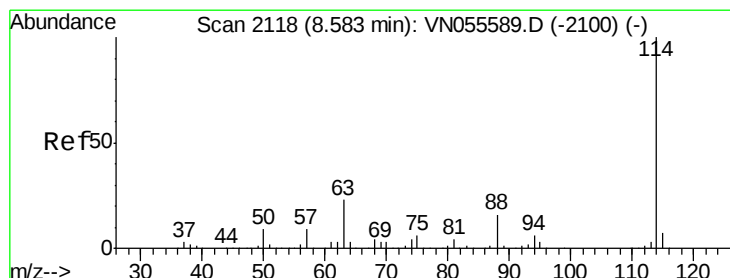
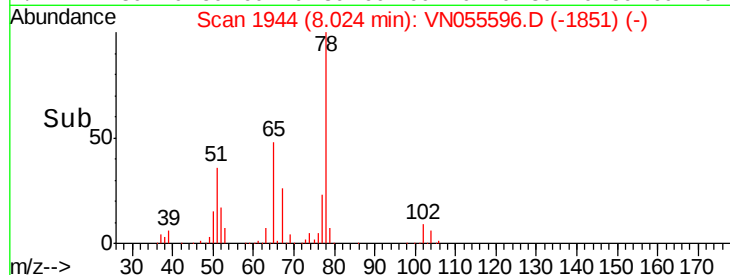
100000

50000

0

Time-->

7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

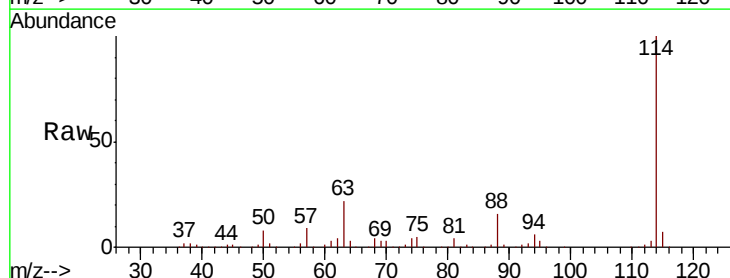
Tgt Ion:114 Resp: 1269240

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.8

88 16.1 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

800000

600000

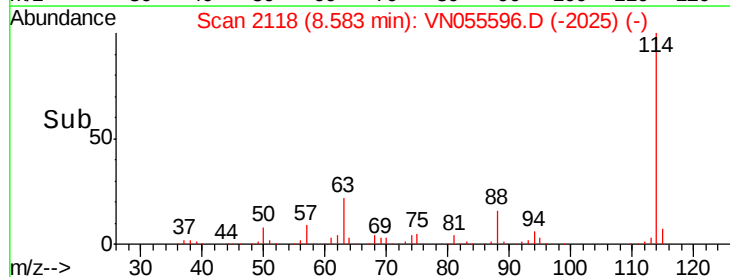
400000

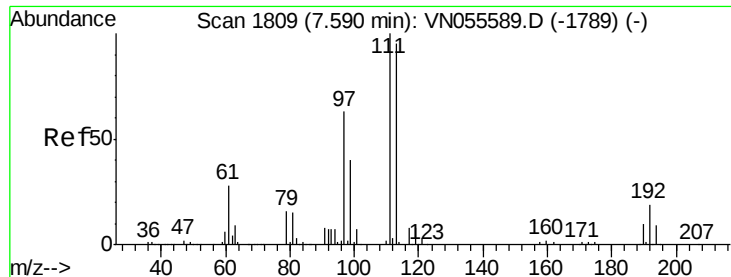
200000

0

Time-->

8.50 8.60 8.70

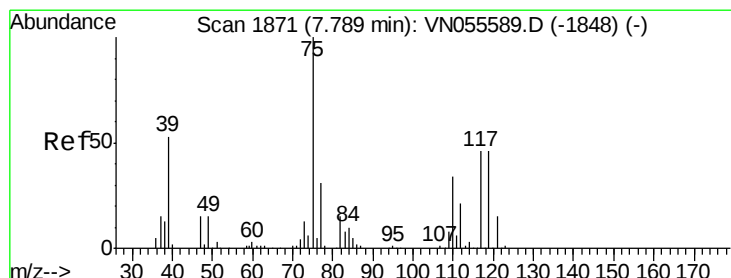
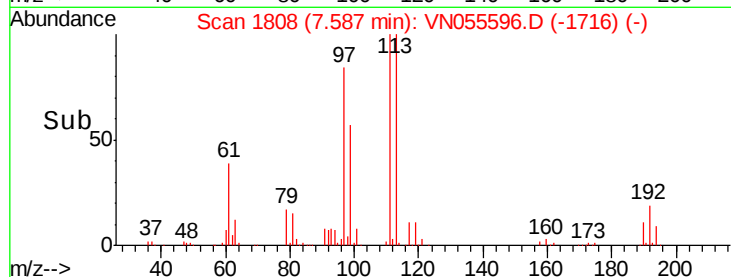
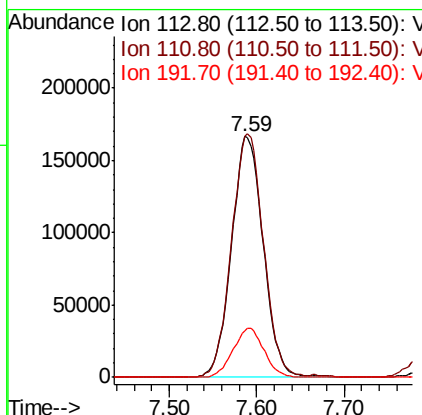
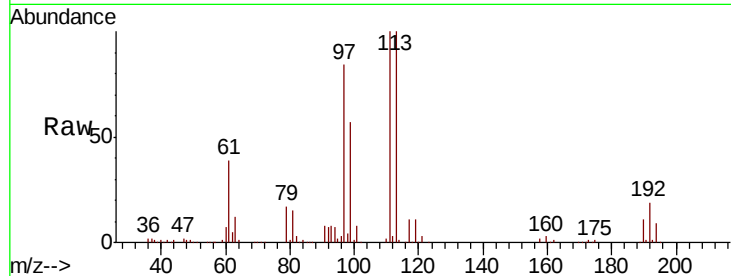




#35
 Dibromofluoromethane
 Concen: 50.712 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN055596.D
 Acq: 14 May 2019 16:16

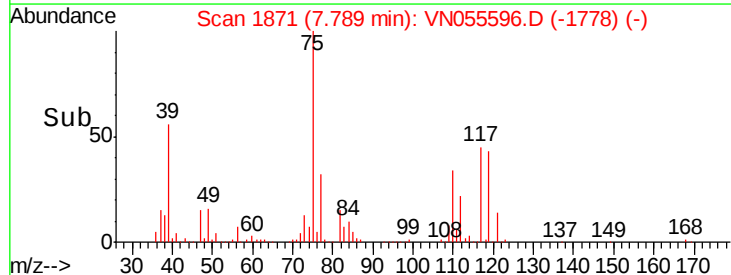
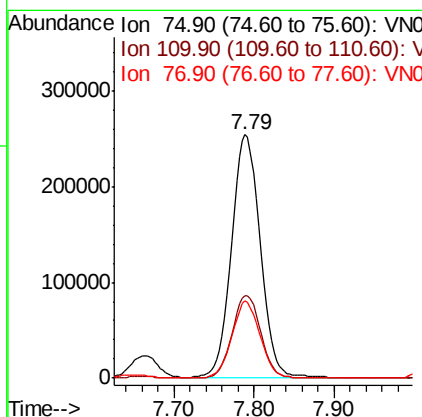
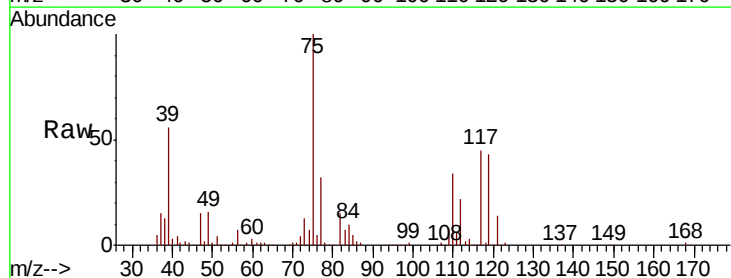
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

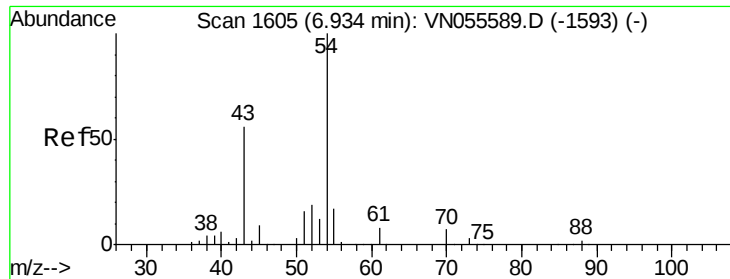
Tot Ion:113 Resp: 419424
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.5 125.3
 192 20.0 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 48.686 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055596.D
 Acq: 14 May 2019 16:16

Tgt Ion: 75 Resp: 614381
 Ion Ratio Lower Upper
 75 100
 110 33.9 16.9 50.7
 77 31.3 24.9 37.3

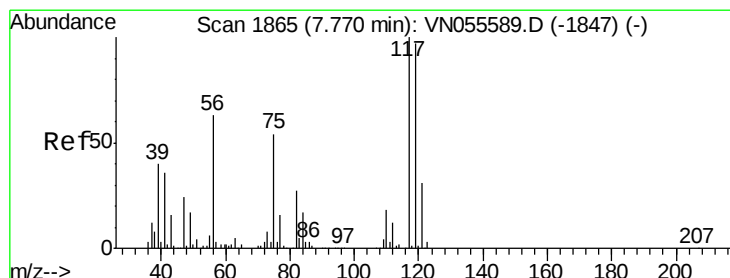
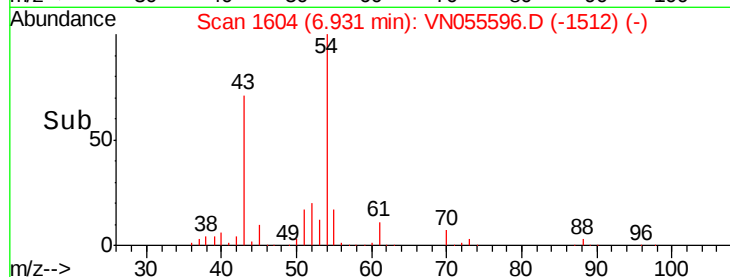
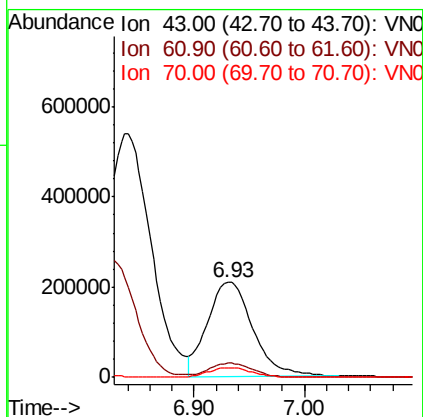
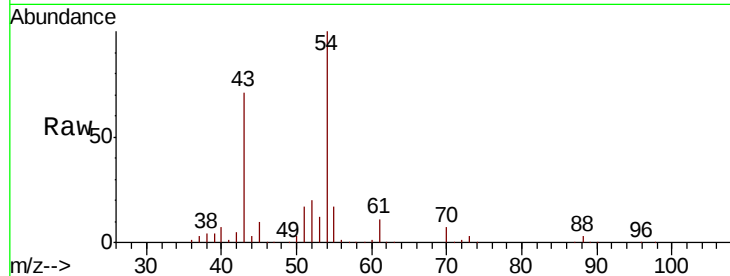




#37
Ethyl Acetate
Concen: 50.396 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

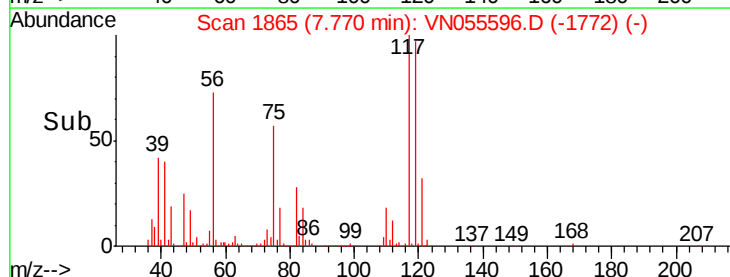
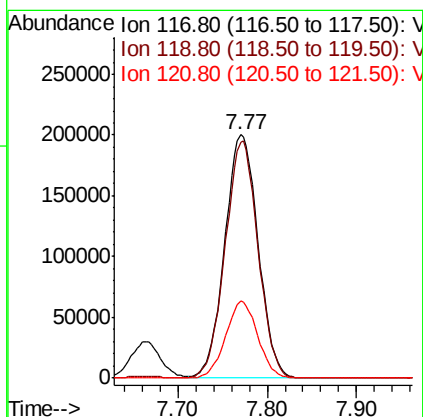
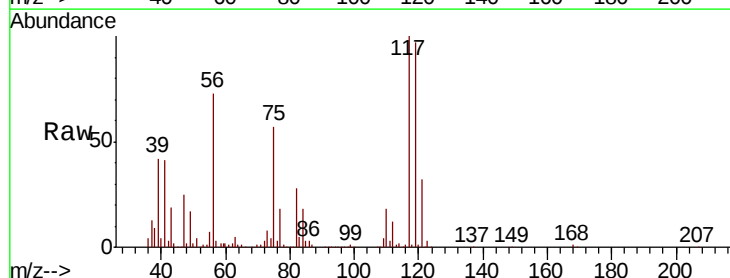
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

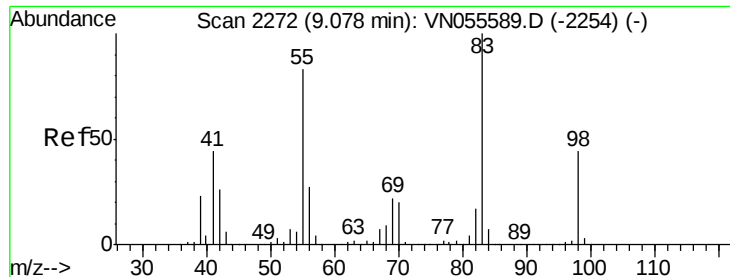
Tot Ion: 43 Resp: 595875
Ion Ratio Lower Upper
43 100
61 14.1 10.8 16.2
70 9.8 7.4 11.2



#38
Carbon Tetrachloride
Concen: 49.497 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion: 117 Resp: 518555
Ion Ratio Lower Upper
117 100
119 96.8 77.1 115.7
121 31.6 24.4 36.6

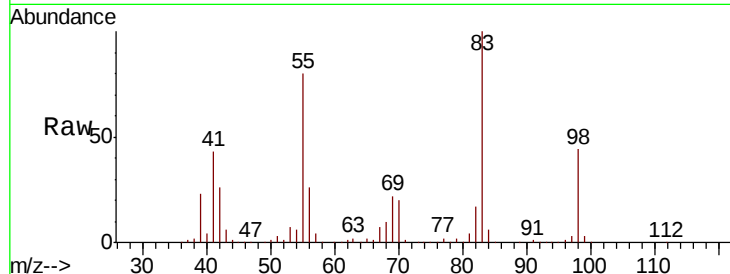




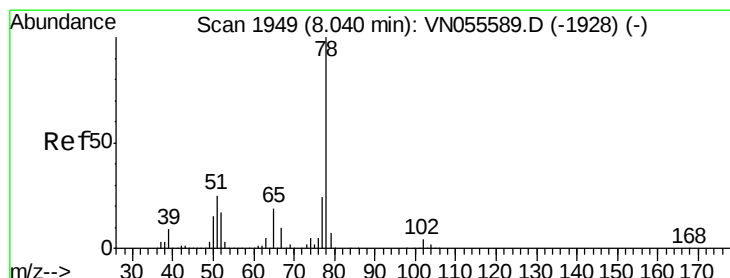
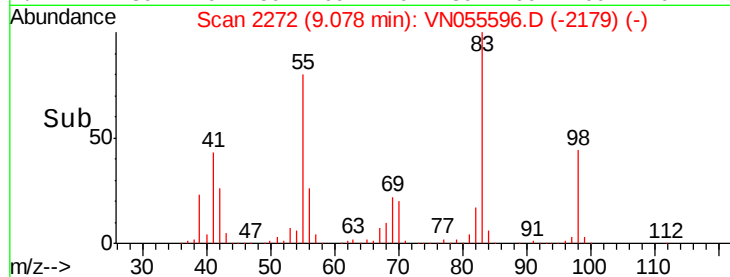
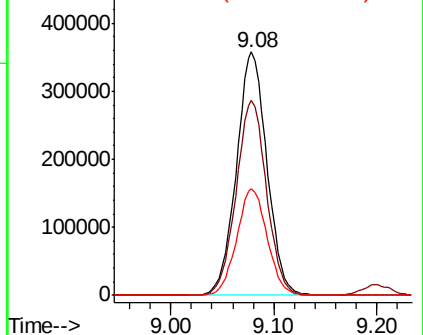
#39
Methylvlcvclohexane
Concen: 49.472 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 735196
Ion Ratio Lower Upper
83 100
55 79.9 66.3 99.5
98 43.8 34.8 52.2

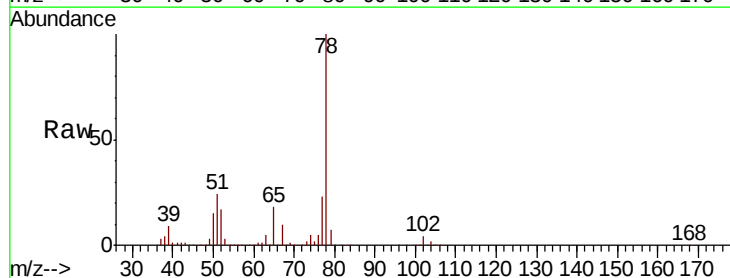


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

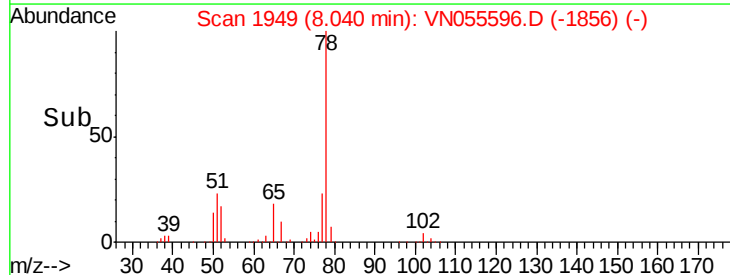
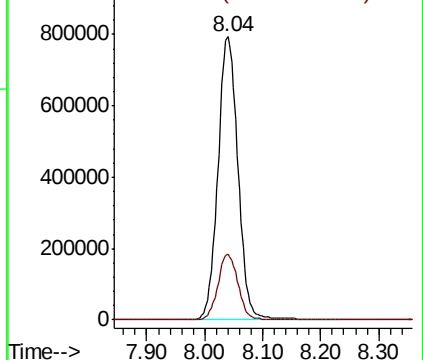


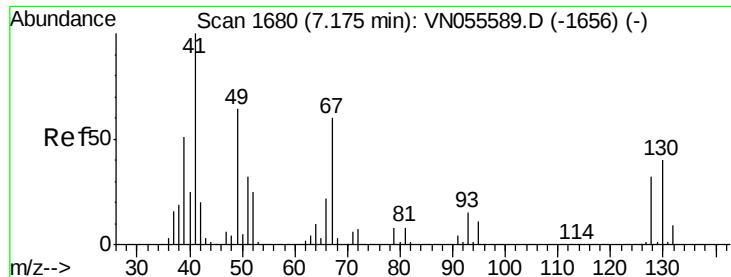
#40
Benzene
Concen: 49.193 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion: 78 Resp: 1895769
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

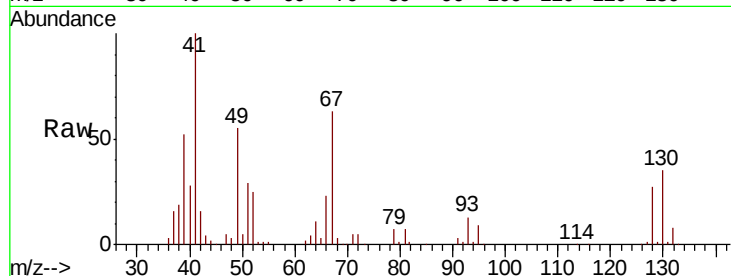




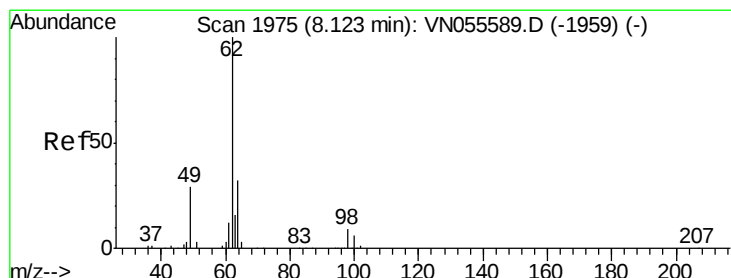
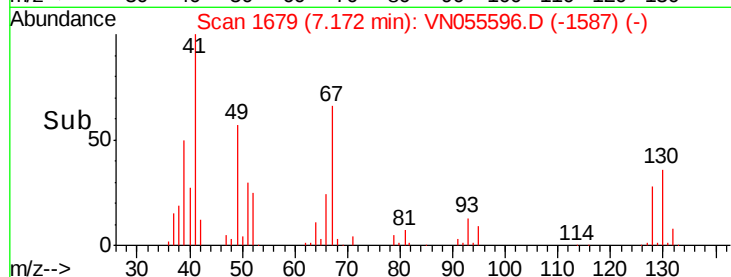
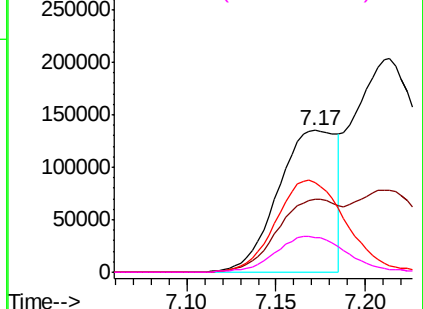
#41
Methacrylonitrile
Concen: 57.384 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	309284
Ion	Ratio	Lower	Upper
41	100		
39	54.8	44.1	66.1
67	78.0	63.4	95.0
52	30.3	25.0	37.6

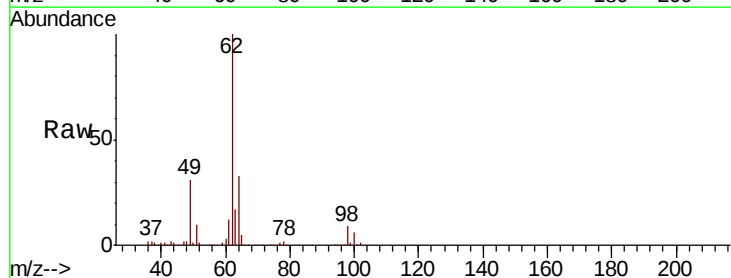


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

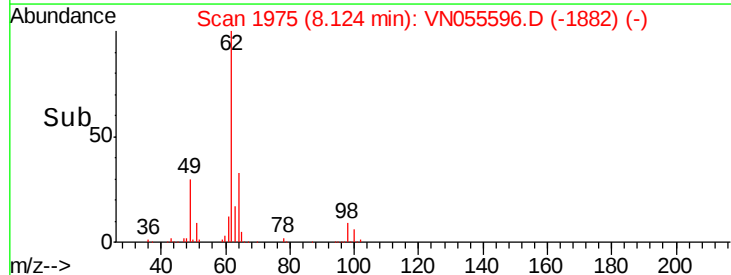
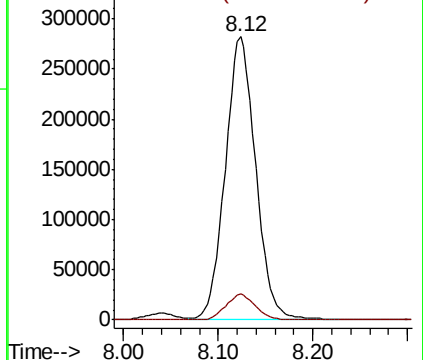


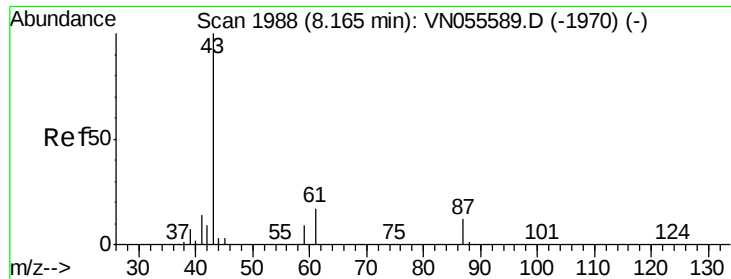
#42
1,2-Dichloroethane
Concen: 48.786 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion:	62	Resp:	626994
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.0



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





#43

Isopropyl Acetate

Concen: 51.855 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

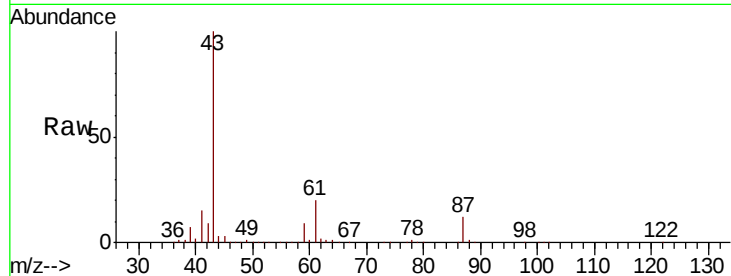
Tot Ion: 43 Resp: 961567

Ion Ratio Lower Upper

43 100

61 19.9 16.1 24.1

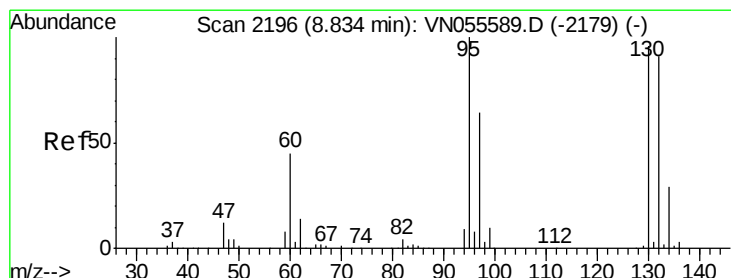
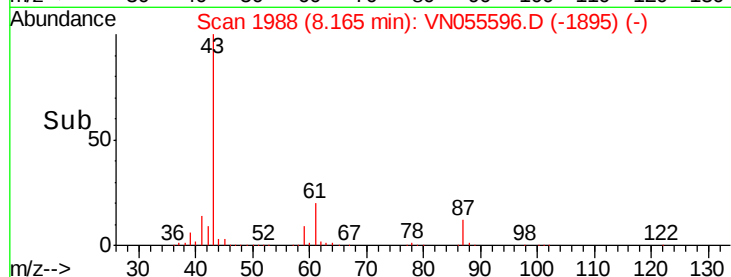
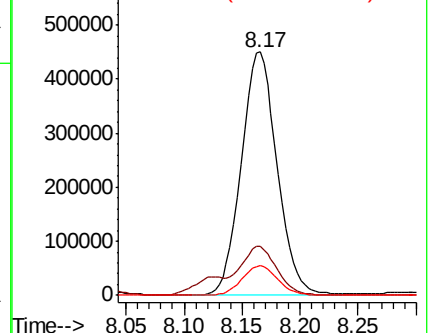
87 12.1 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VN055589.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055589.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055589.D (-1970) (-)



#44

Trichloroethene

Concen: 48.936 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055596.D

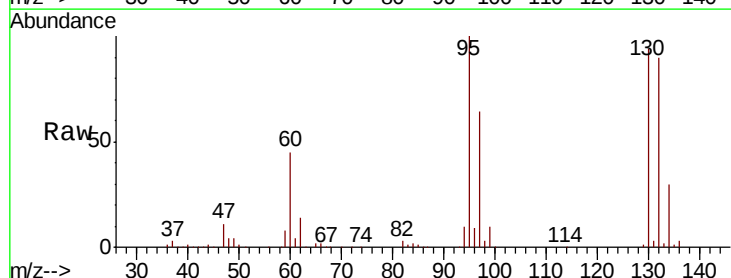
Acq: 14 May 2019 16:16

Tgt Ion: 130 Resp: 453551

Ion Ratio Lower Upper

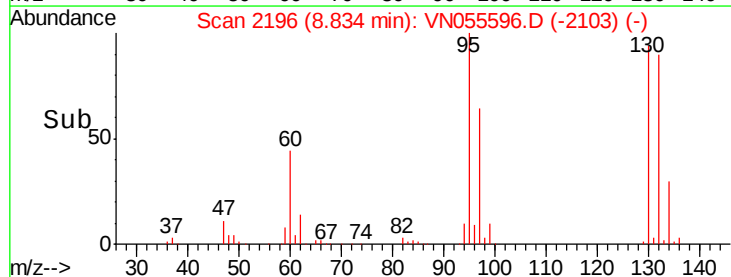
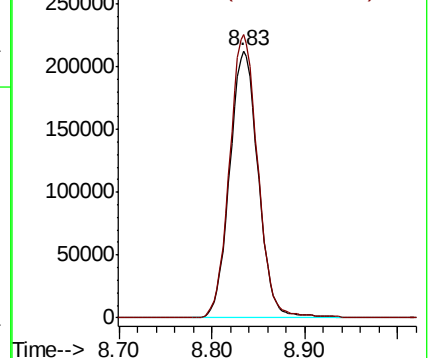
130 100

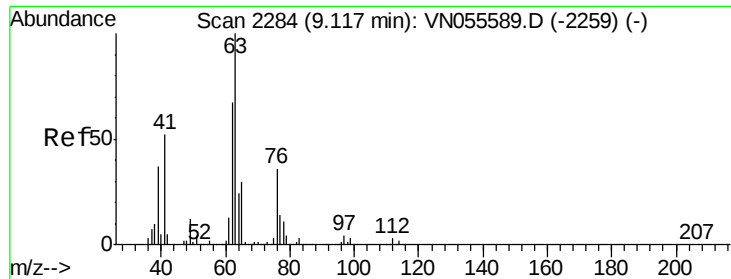
95 105.9 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN055589.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055589.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 49.582 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

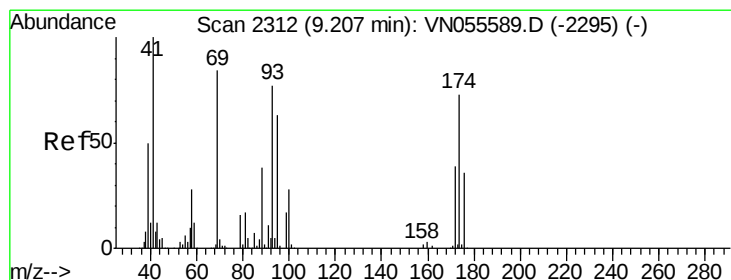
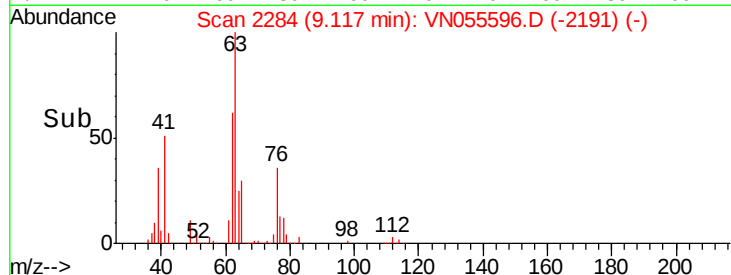
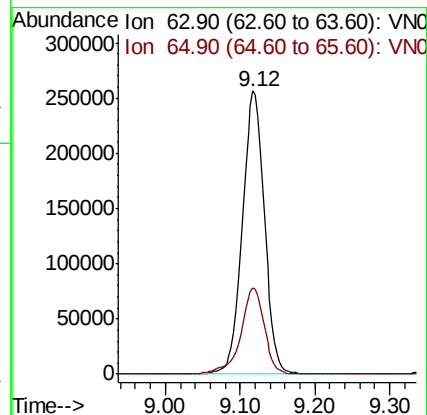
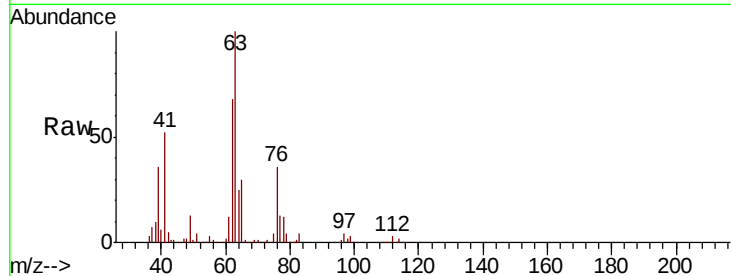
VSTDCCC050EC

Tot Ion: 63 Resp: 526645

Ion Ratio Lower Upper

63 100

65 30.3 24.1 36.1



#46

Dibromomethane

Concen: 48.685 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

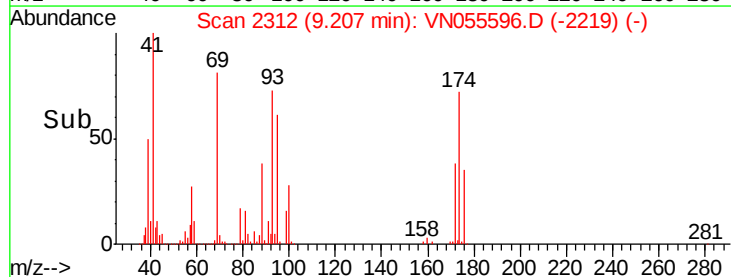
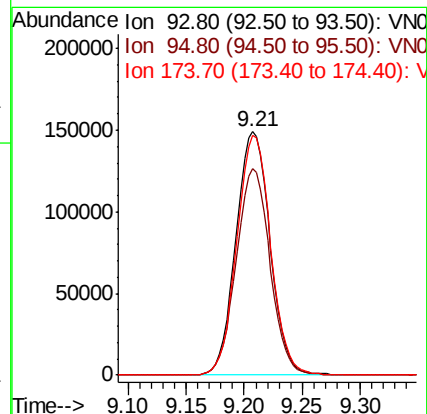
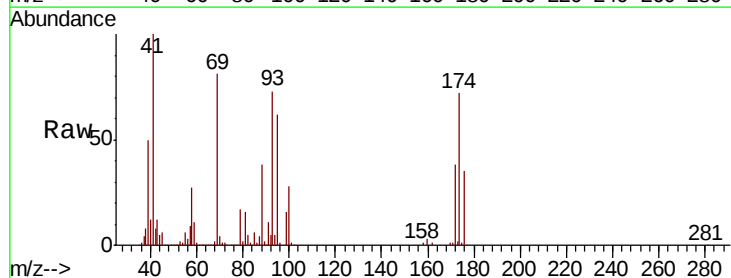
Tgt Ion: 93 Resp: 305405

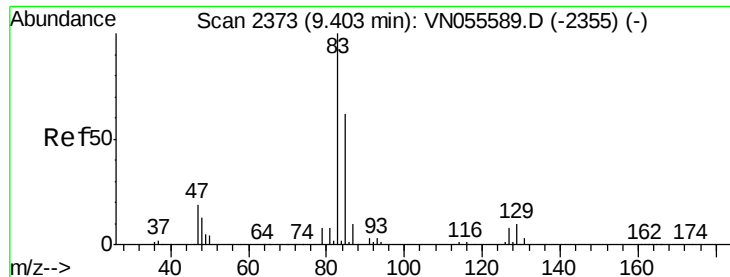
Ion Ratio Lower Upper

93 100

95 84.2 66.6 100.0

174 97.7 78.4 117.6

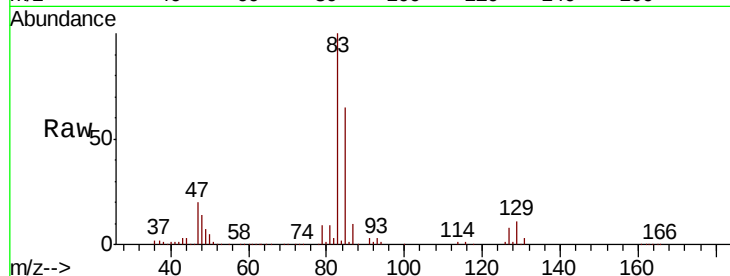




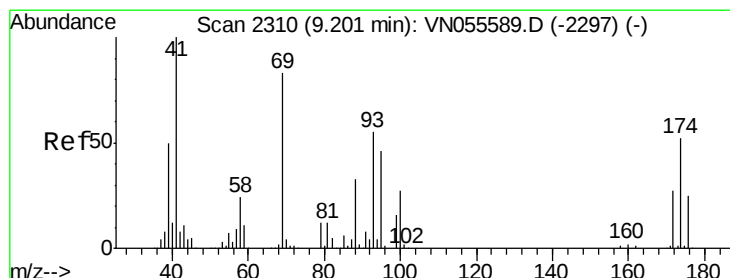
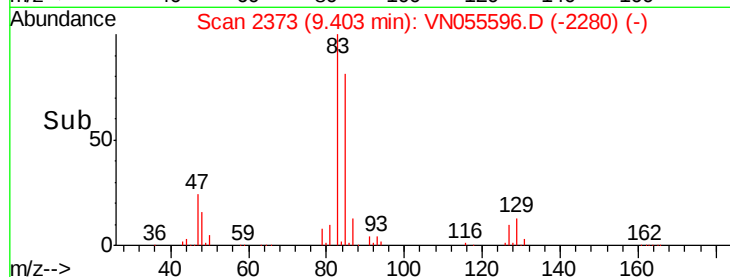
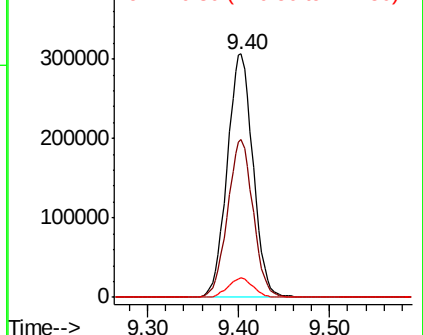
#47
Bromodichloromethane
Concen: 50.323 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 601762
Ion Ratio Lower Upper
83 100
85 64.7 49.6 74.4
127 7.9 6.6 9.8

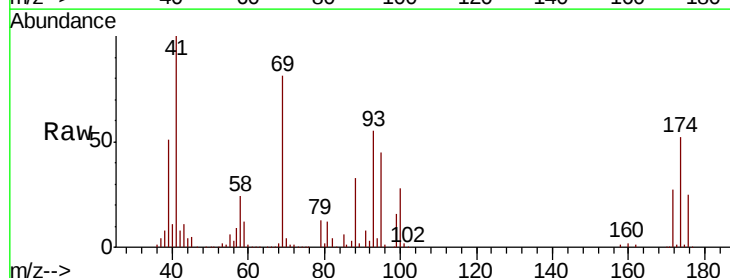


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

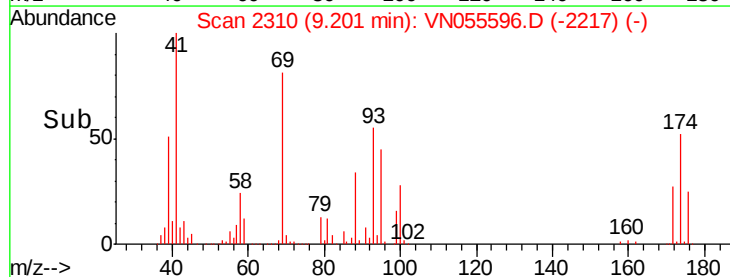
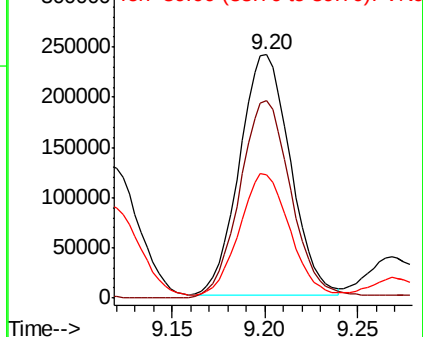


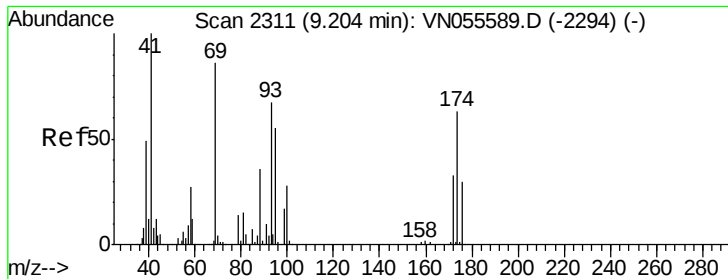
#48
Methyl methacrylate
Concen: 50.197 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion: 41 Resp: 454722
Ion Ratio Lower Upper
41 100
69 83.8 65.7 98.5
39 51.6 40.2 60.4



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





#49

1,4-Dioxane

Concen: 1041.146 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

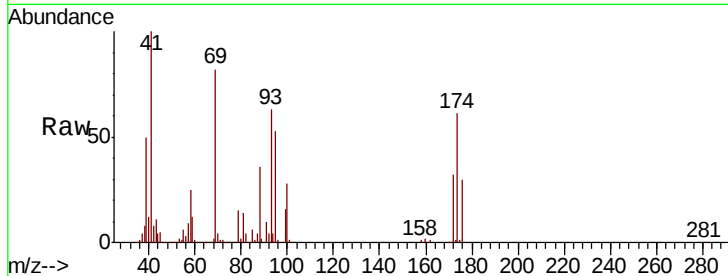
Tot Ion: 88 Resp: 172368

Ion Ratio Lower Upper

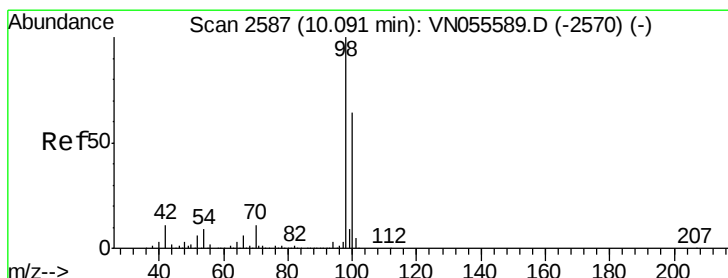
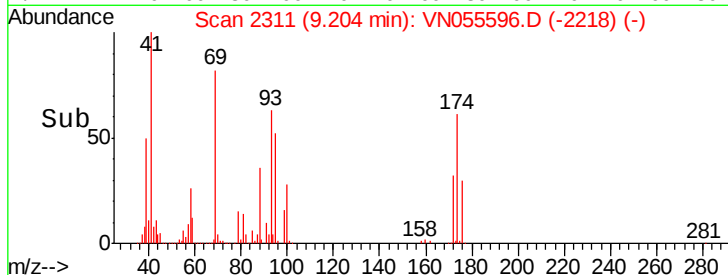
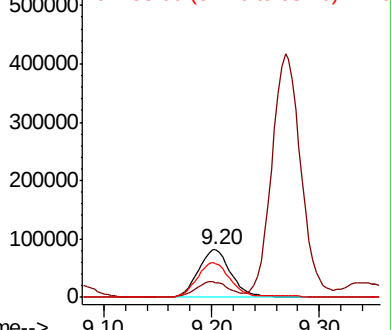
88 100

43 31.3 25.4 38.0

58 73.5 59.4 89.2



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: 51.474 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055596.D

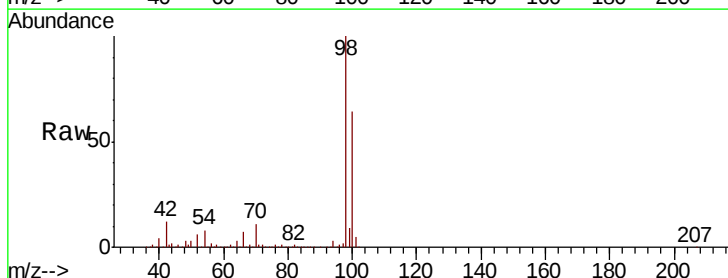
Acq: 14 May 2019 16:16

Tgt Ion: 98 Resp: 1626431

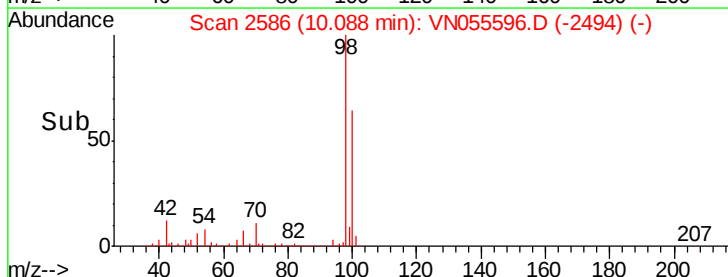
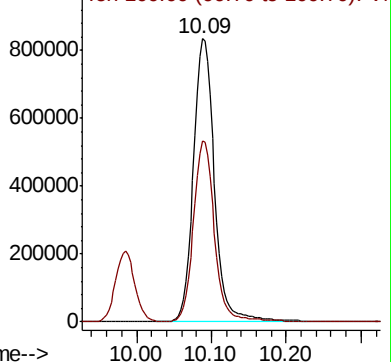
Ion Ratio Lower Upper

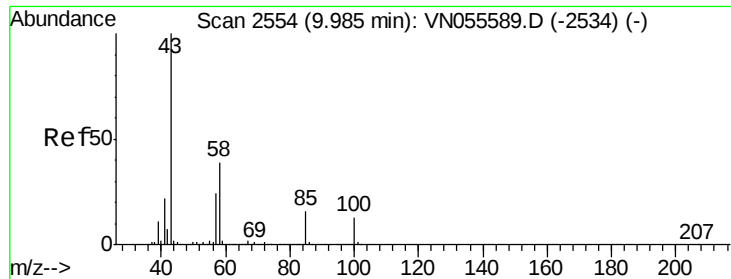
98 100

100 63.8 50.7 76.1



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: 254.338 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

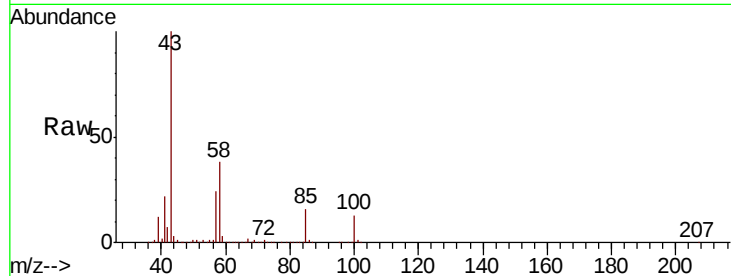
VSTDCCC050EC

Tot Ion: 43 Resp: 2963337

Ion Ratio Lower Upper

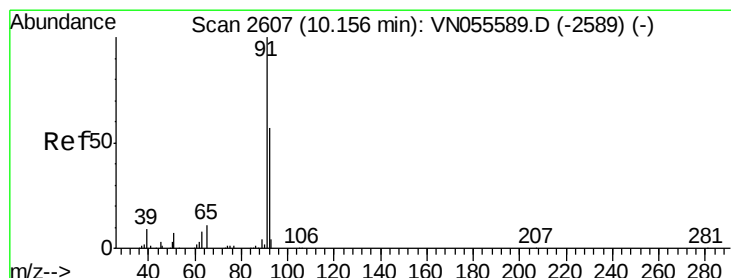
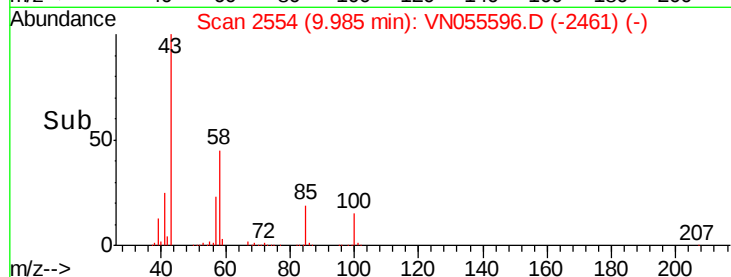
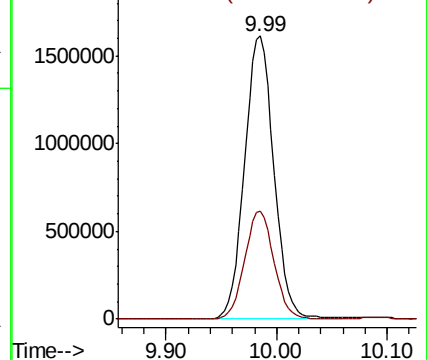
43 100

58 38.2 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VN055589.D

Ion 58.00 (57.70 to 58.70): VN055589.D



#52

Toluene

Concen: 49.931 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055596.D

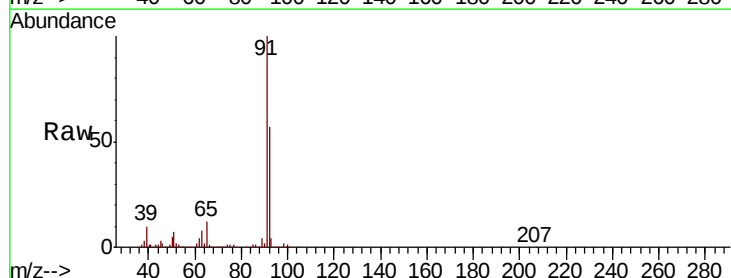
Acq: 14 May 2019 16:16

Tgt Ion: 92 Resp: 1102432

Ion Ratio Lower Upper

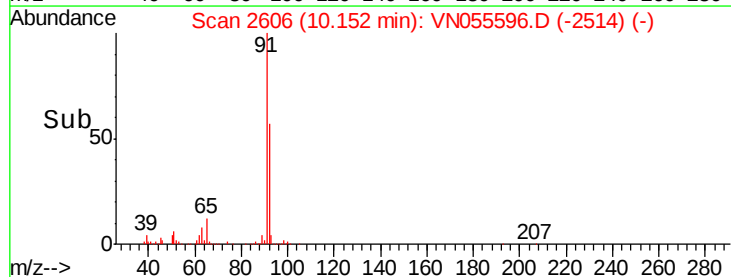
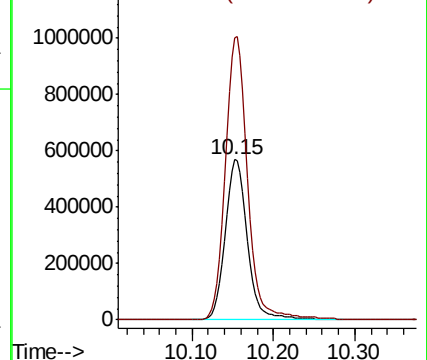
92 100

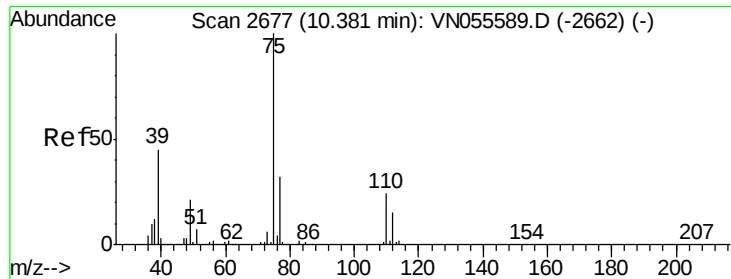
91 177.5 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN055589.D

Ion 91.00 (90.70 to 91.70): VN055589.D





#53

t-1,3-Dichloropropene

Concen: 53.812 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

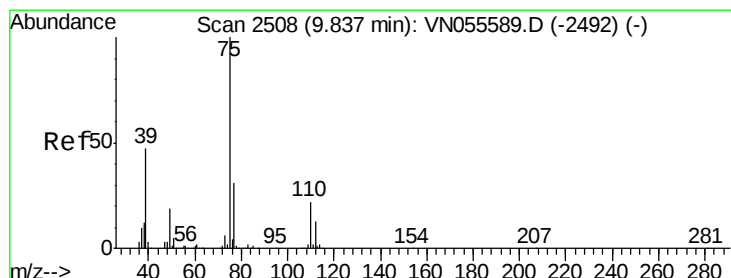
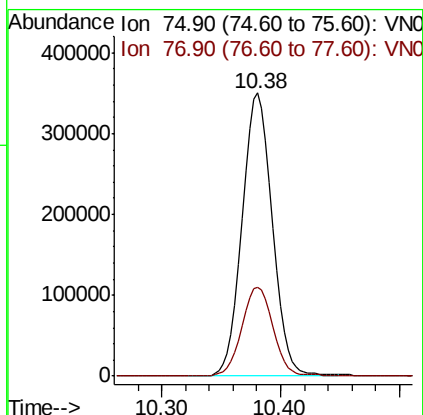
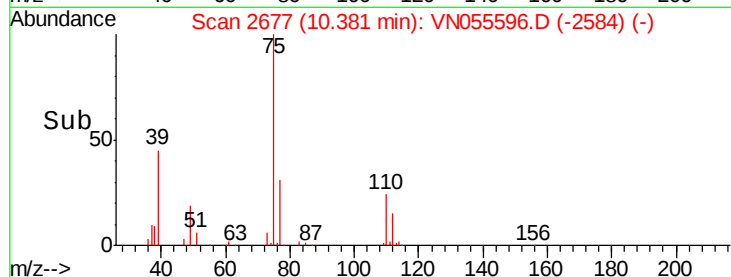
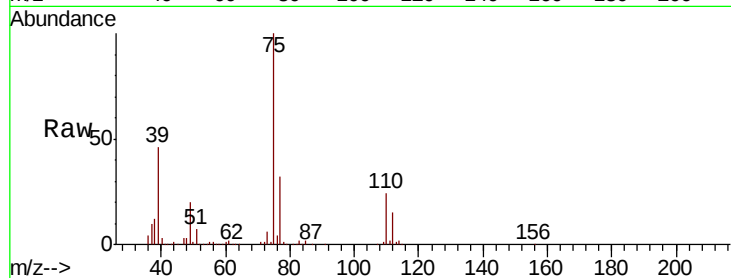
VSTDCCC050EC

Tot Ion: 75 Resp: 616900

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 53.521 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

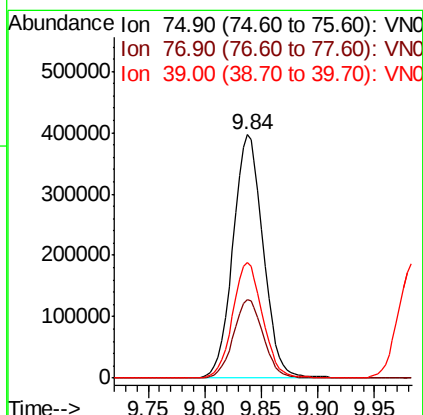
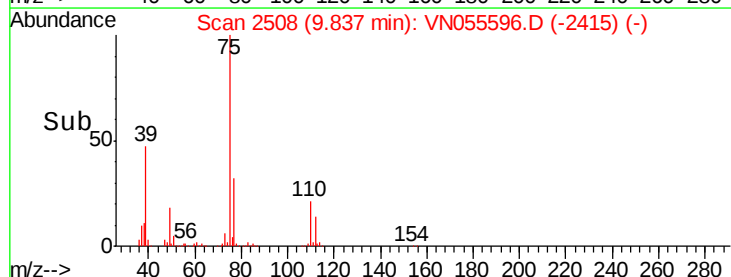
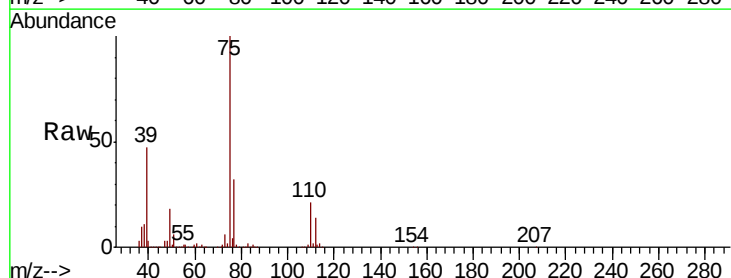
Tgt Ion: 75 Resp: 736740

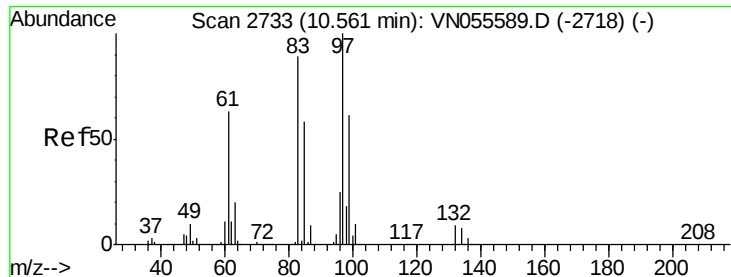
Ion Ratio Lower Upper

75 100

77 32.5 24.5 36.7

39 47.4 37.7 56.5

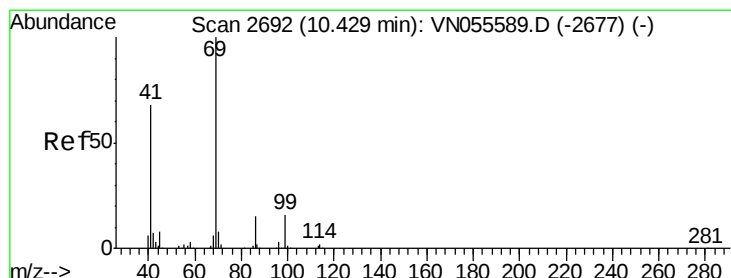
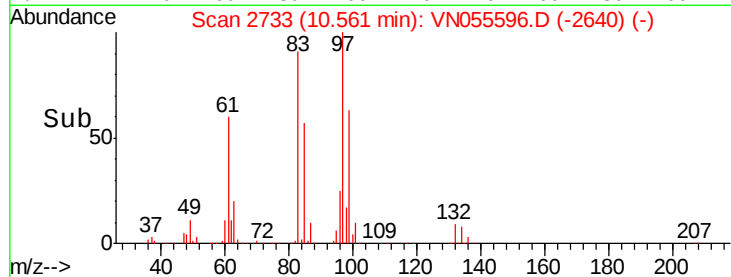
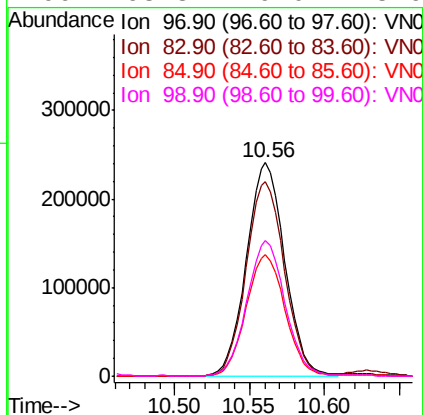
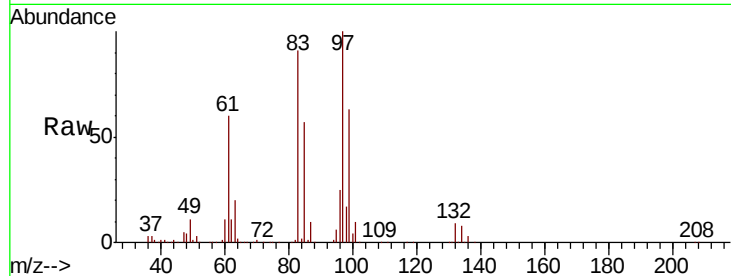




#55
 1,1,2-Trichloroethane
 Concen: 48.647 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055596.D
 Acq: 14 May 2019 16:16

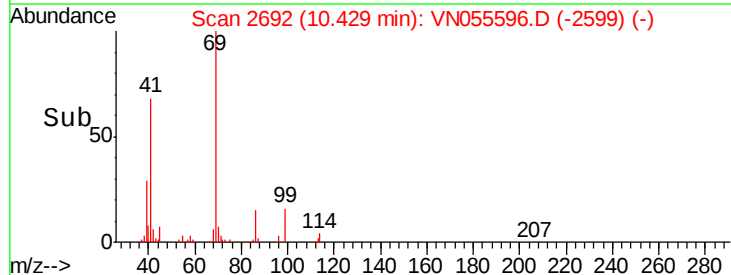
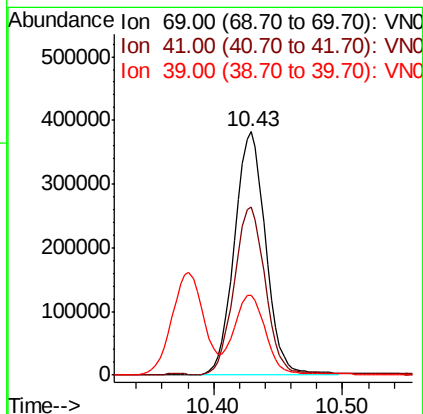
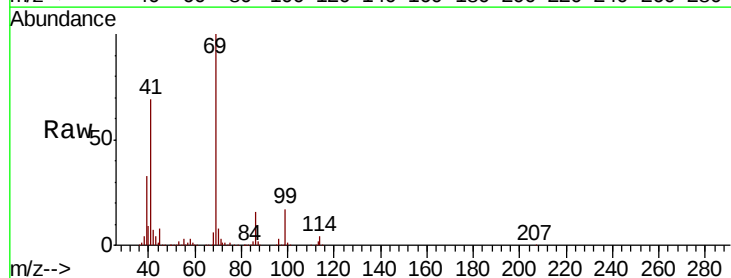
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

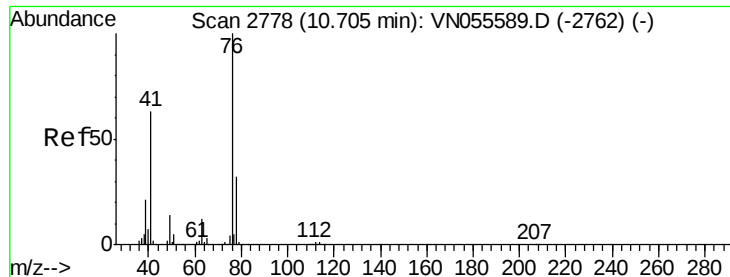
Tot Ion:	97	Resp:	429416
Ion	Ratio	Lower	Upper
97	100		
83	90.8	71.5	107.3
85	56.6	46.2	69.4
99	63.3	49.0	73.6



#56
 Ethyl methacrylate
 Concen: 52.486 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055596.D
 Acq: 14 May 2019 16:16

Tgt Ion:	69	Resp:	645620
Ion	Ratio	Lower	Upper
69	100		
41	68.6	54.6	82.0
39	33.5	25.5	38.3





#57

1,3-Dichloropropane

Concen: 50.134 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

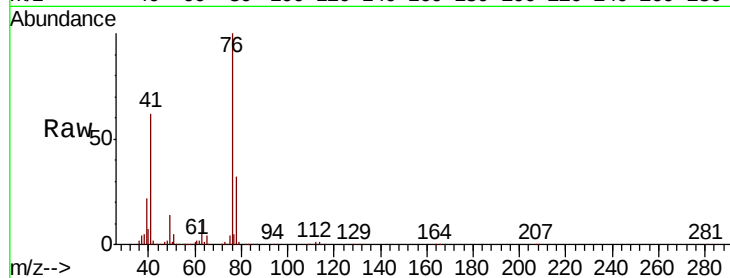
VSTDCCC050EC

Tot Ion: 76 Resp: 765018

Ion Ratio Lower Upper

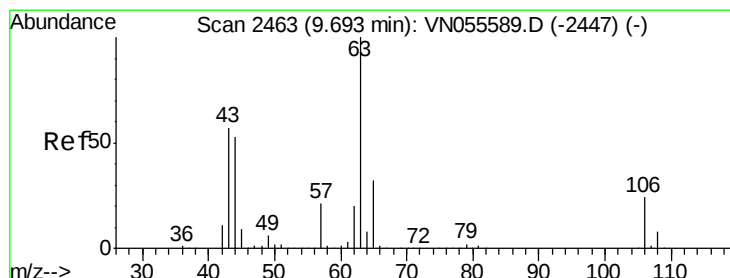
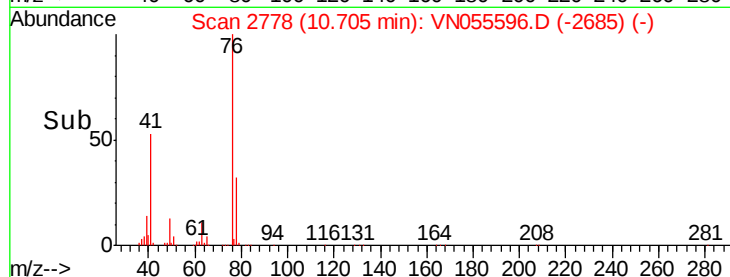
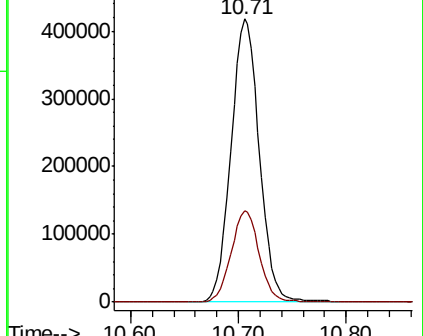
76 100

78 32.0 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 233.232 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055596.D

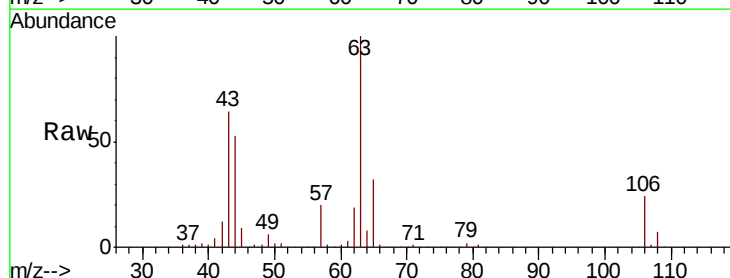
Acq: 14 May 2019 16:16

Tgt Ion: 63 Resp: 883218

Ion Ratio Lower Upper

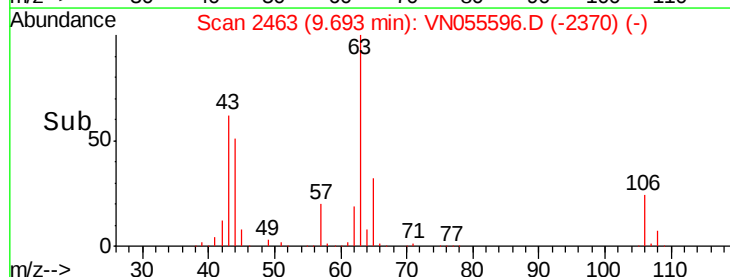
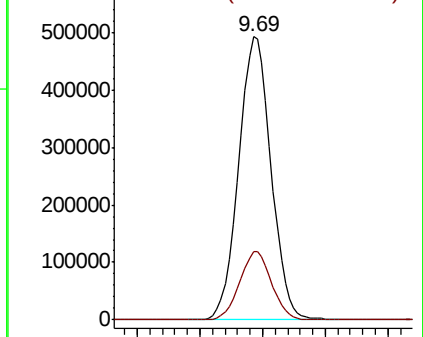
63 100

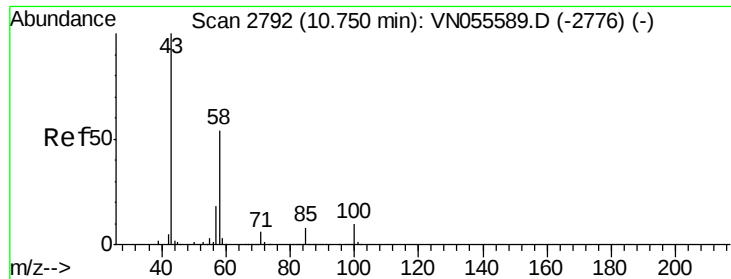
106 23.9 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

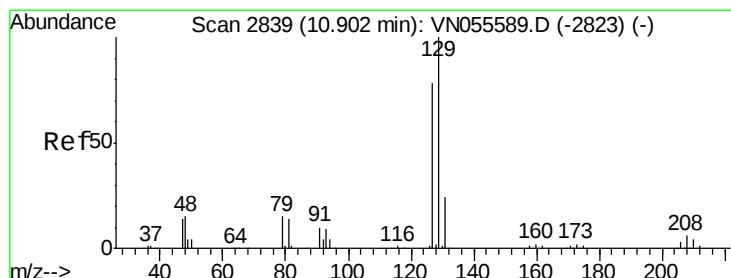
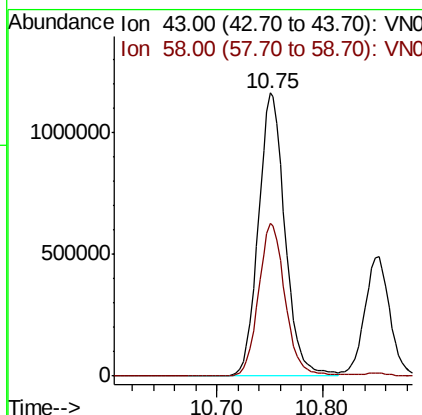
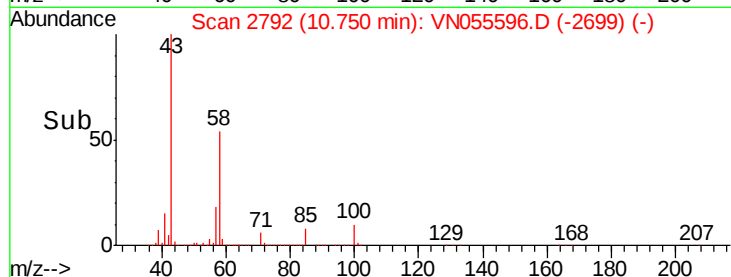
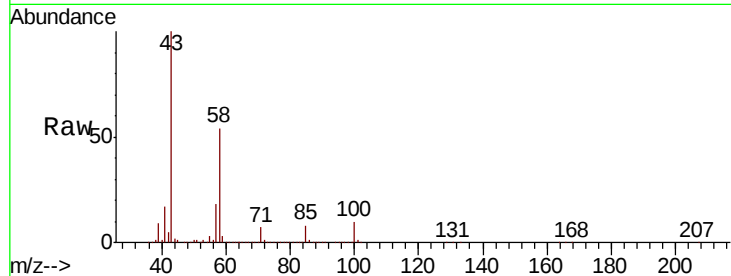




#59
2-Hexanone
Concen: 254.692 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

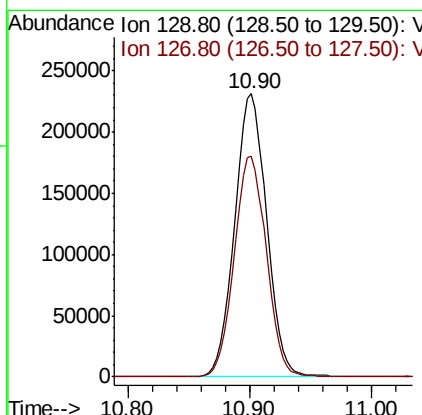
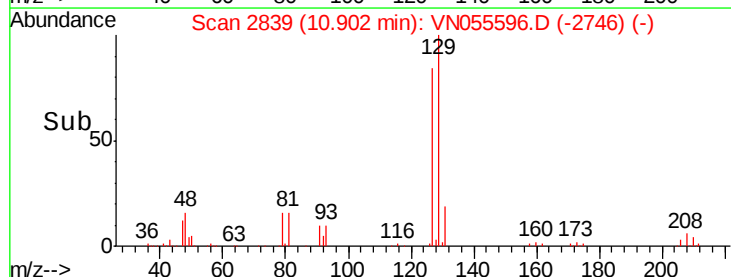
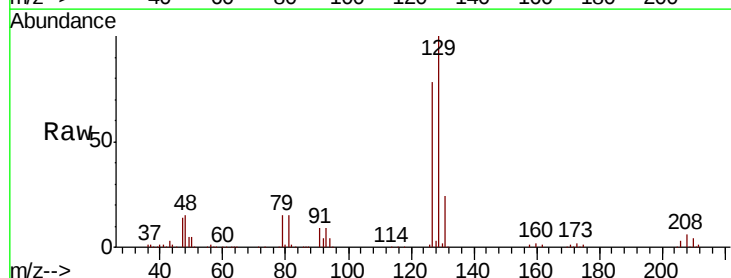
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

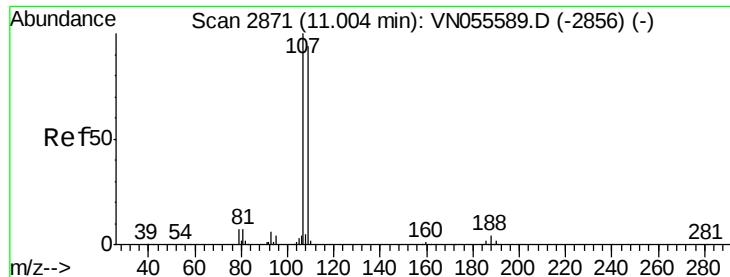
Tot Ion: 43 Resp: 2047091
Ion Ratio Lower Upper
43 100
58 54.1 27.0 80.8



#60
Dibromochloromethane
Concen: 52.336 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion: 129 Resp: 420216
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.2

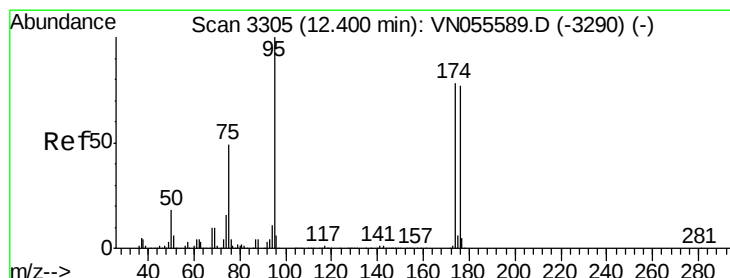
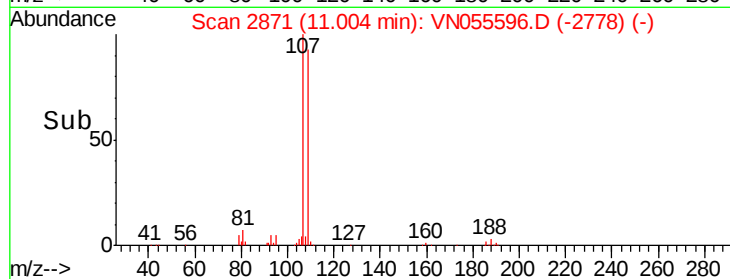
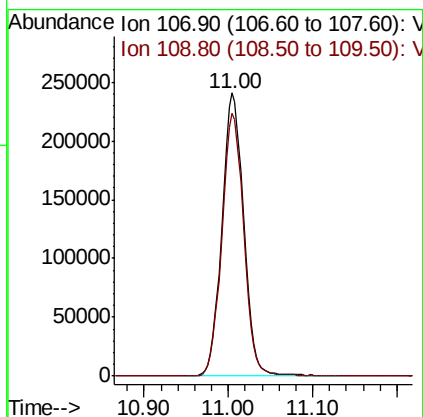
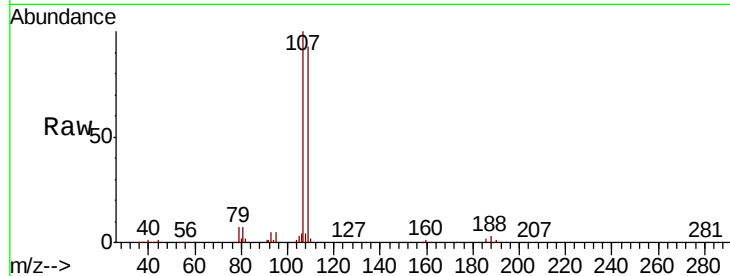




#61
 1,2-Dibromoethane
 Concen: 51.809 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055596.D
 Acq: 14 May 2019 16:16

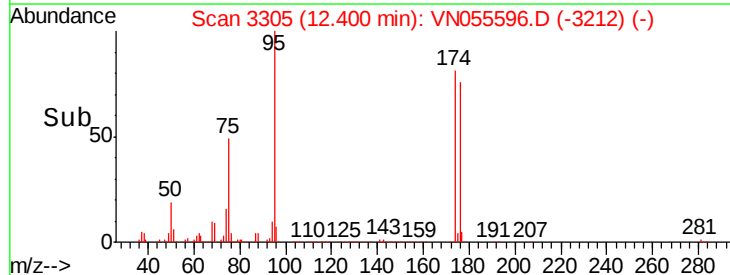
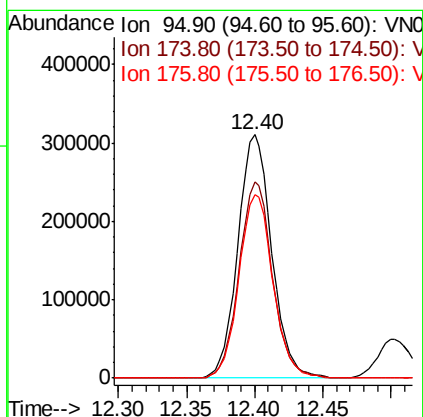
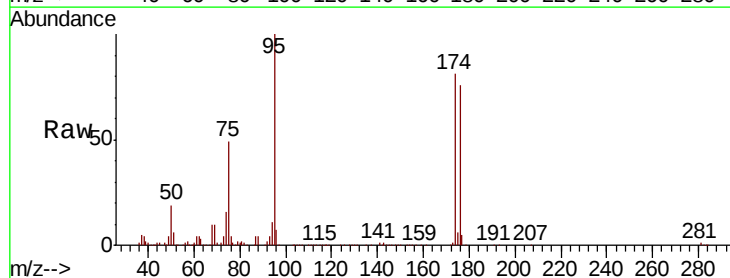
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

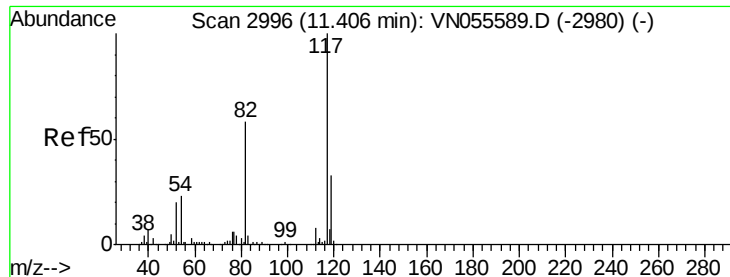
Tot Ion:107 Resp: 432075
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 52.887 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055596.D
 Acq: 14 May 2019 16:16

Tgt Ion: 95 Resp: 535426
 Ion Ratio Lower Upper
 95 100
 174 79.6 0.0 158.4
 176 75.9 0.0 153.4

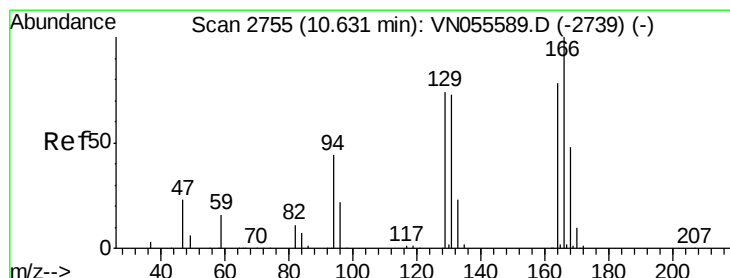
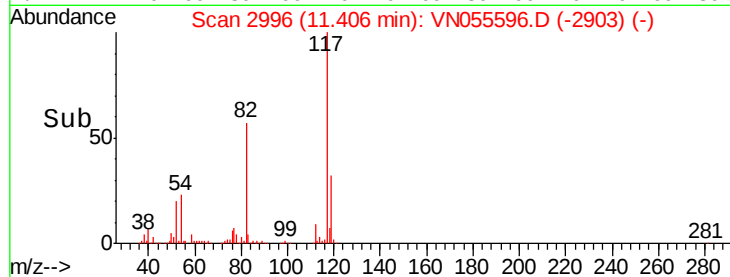
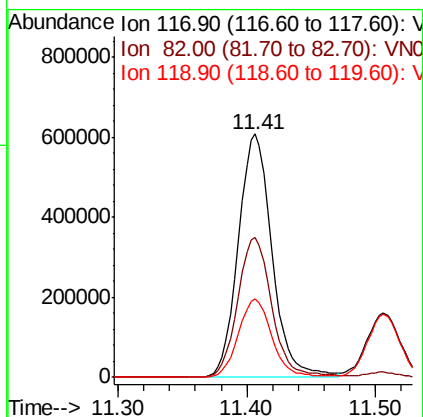
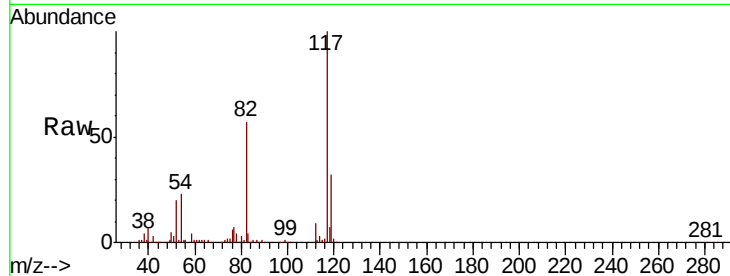




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

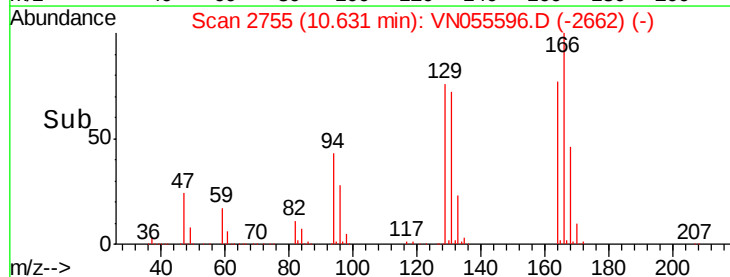
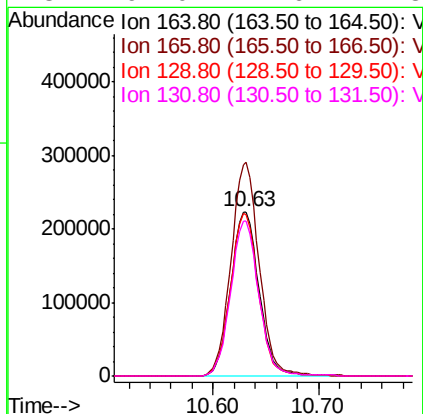
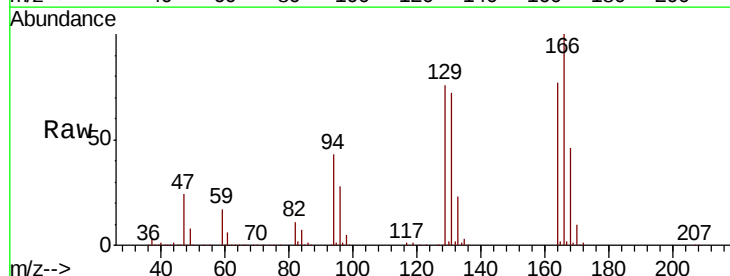
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

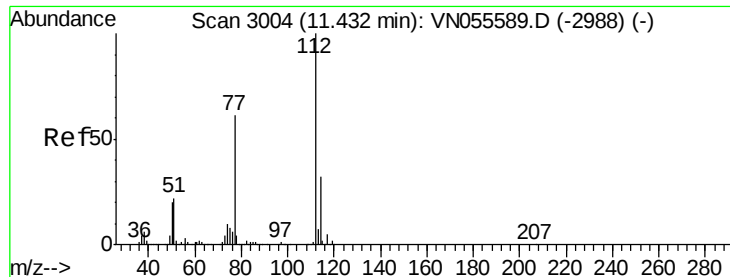
Tot Ion:117 Resp: 1106995
Ion Ratio Lower Upper
117 100
82 57.5 46.7 70.1
119 32.0 26.0 39.0



#64
Tetrachloroethene
Concen: 46.963 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion:164 Resp: 415274
Ion Ratio Lower Upper
164 100
166 130.2 102.1 153.1
129 98.3 75.8 113.8
131 94.0 74.6 111.8

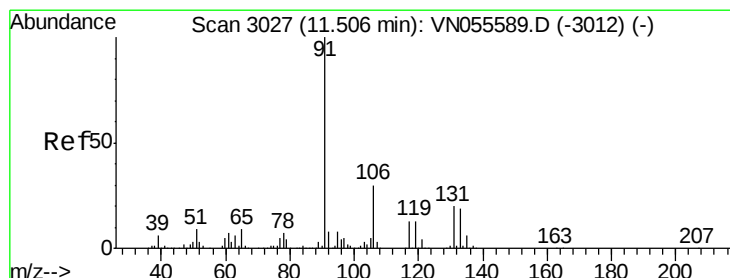
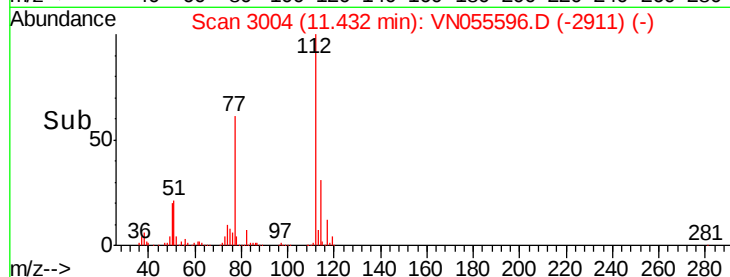
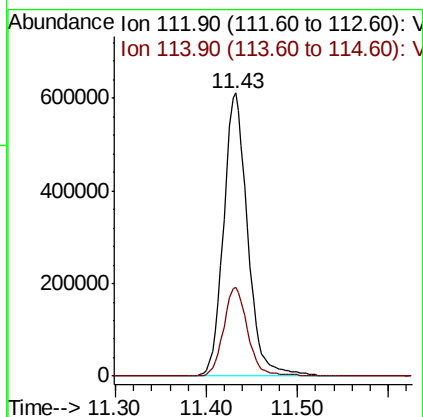
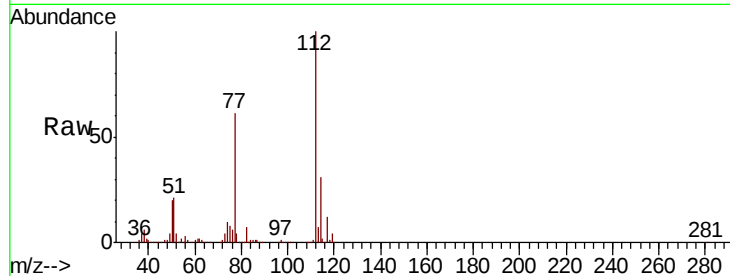




#65
Chlorobenzene
Concen: 48.836 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

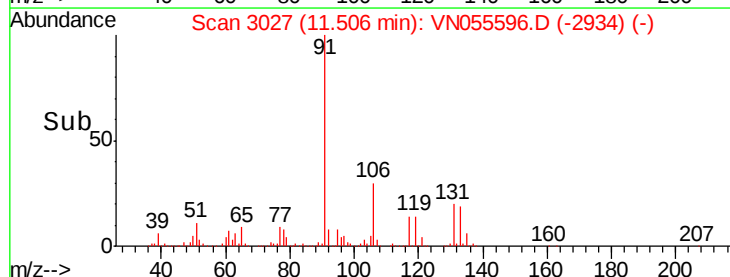
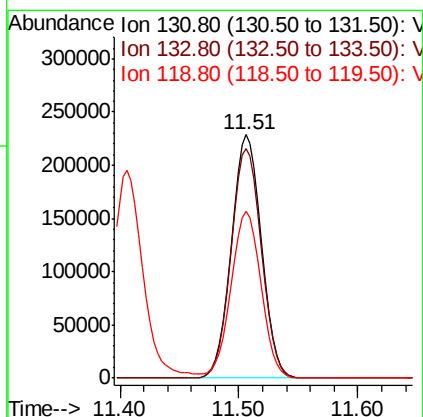
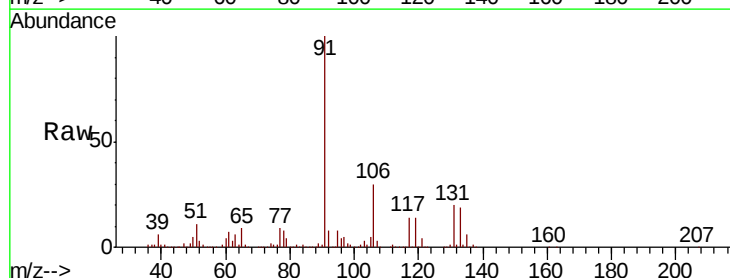
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

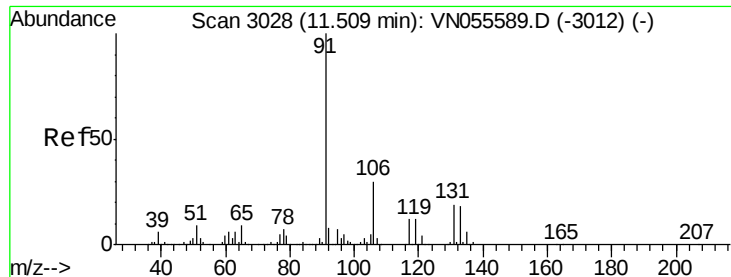
Tot Ion:112 Resp: 1121852
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.665 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion:131 Resp: 398968
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 69.0 34.2 102.5

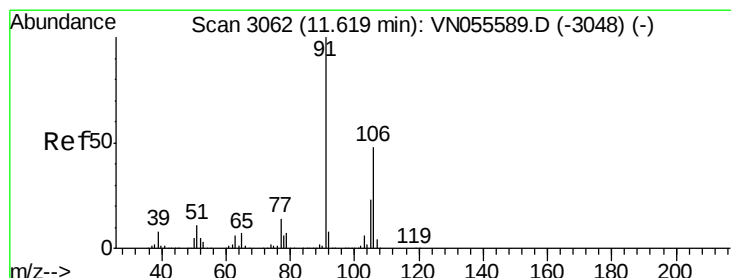
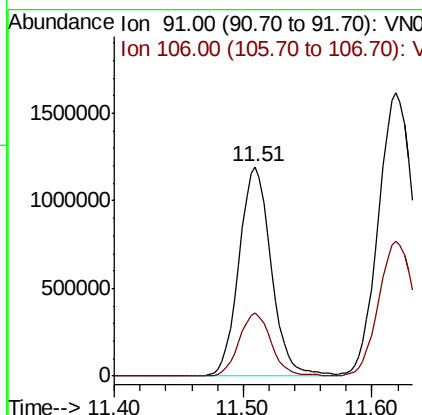
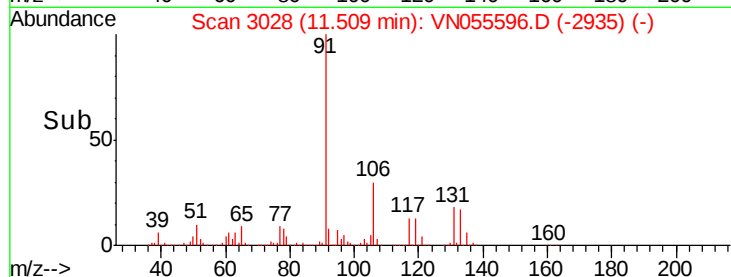
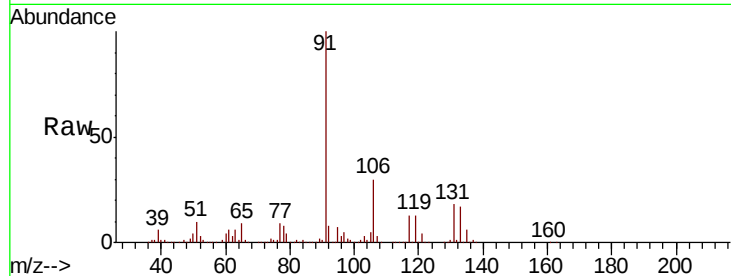




#67
Ethyl Benzene
Concen: 50.535 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

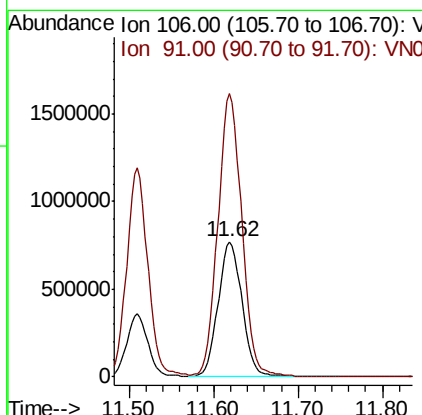
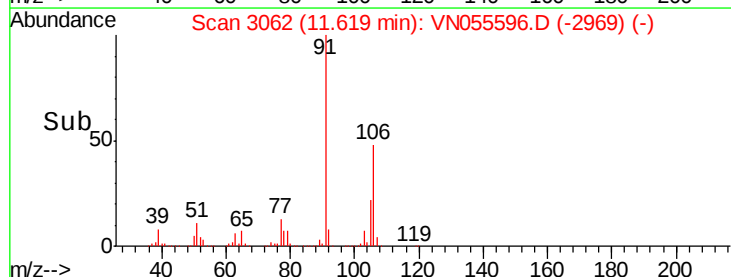
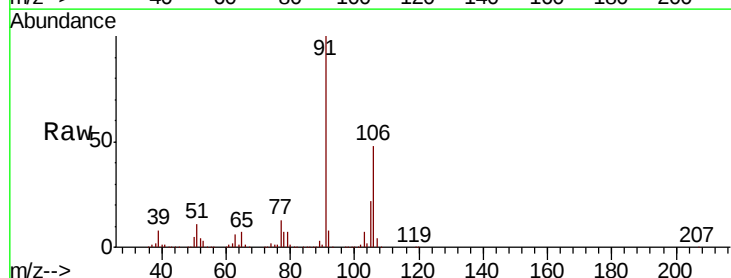
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

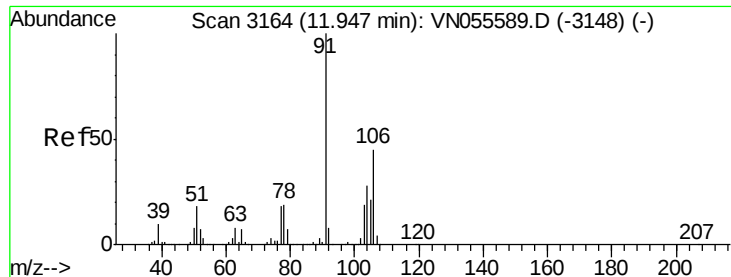
Tot Ion: 91 Resp: 2082084
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1



#68
m/p-Xylenes
Concen: 101.145 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion: 106 Resp: 1523189
Ion Ratio Lower Upper
106 100
91 209.3 167.5 251.3

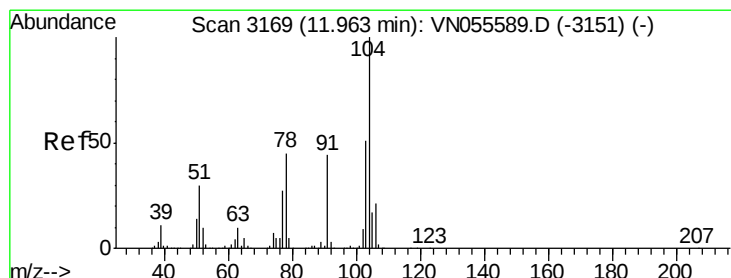
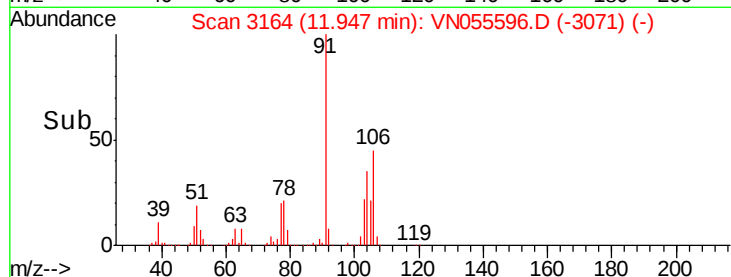
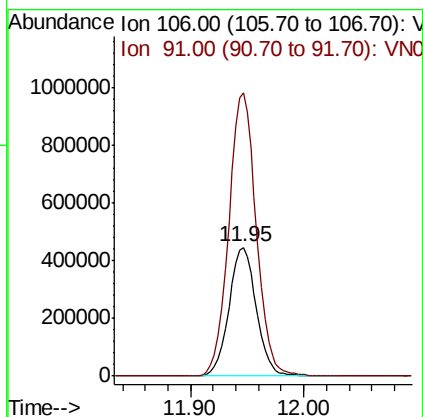
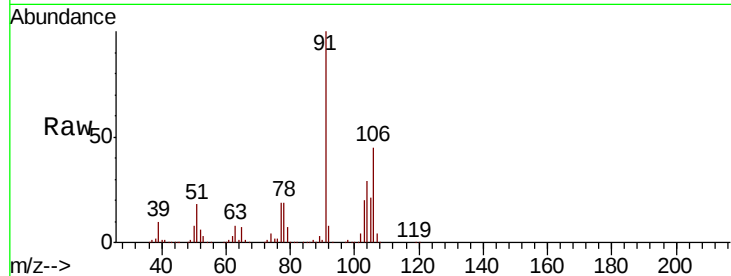




#69
o-Xylene
Concen: 50.949 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

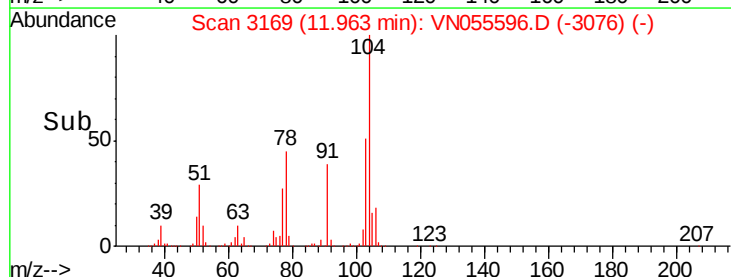
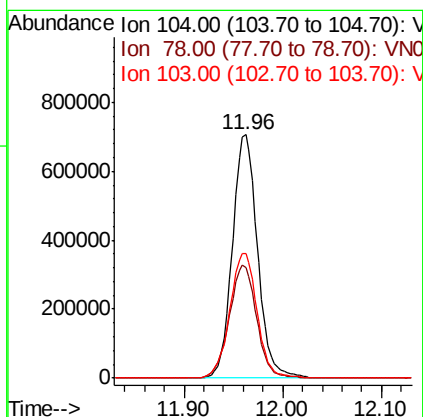
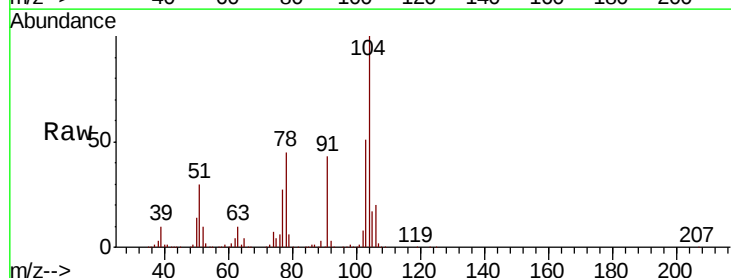
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

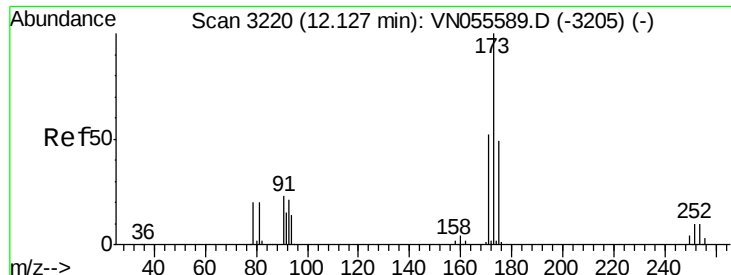
Tot Ion:106 Resp: 746657
Ion Ratio Lower Upper
106 100
91 220.8 110.2 330.6



#70
Styrene
Concen: 53.555 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion:104 Resp: 1248183
Ion Ratio Lower Upper
104 100
78 50.7 40.8 61.2
103 55.8 44.6 67.0





#71

Bromoform

Concen: 53.891 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

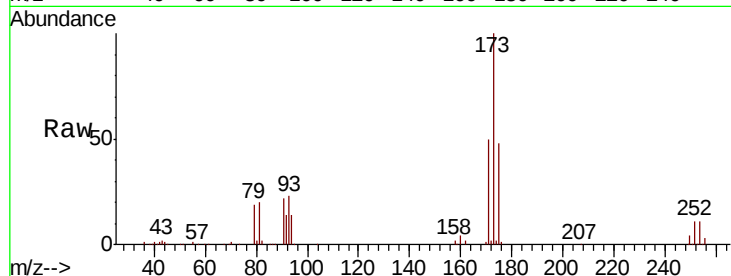
Tot Ion:173 Resp: 276608

Ion Ratio Lower Upper

173 100

175 48.6 24.4 73.4

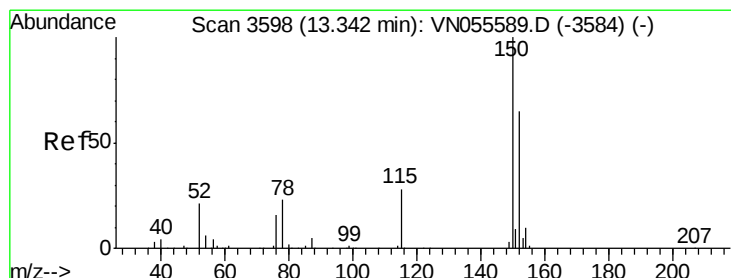
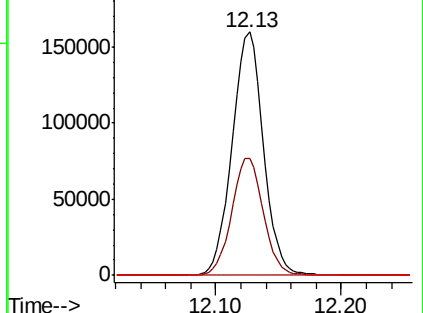
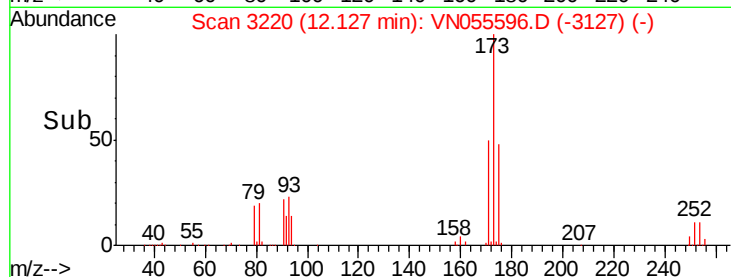
254 0.2 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

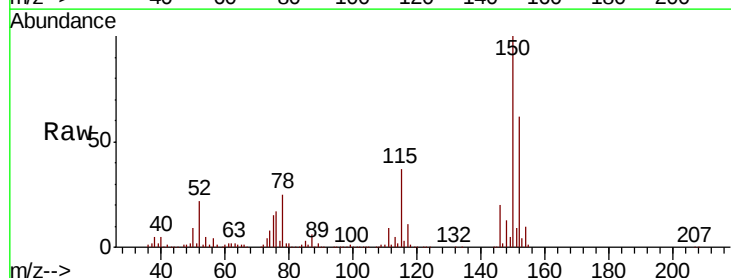
Tgt Ion:152 Resp: 460264

Ion Ratio Lower Upper

152 100

115 59.8 29.8 89.4

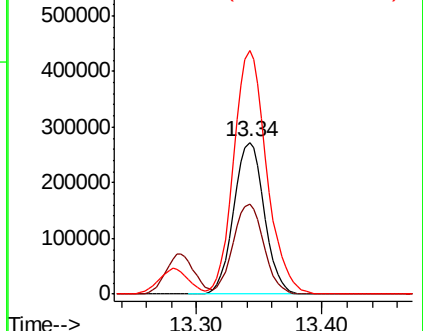
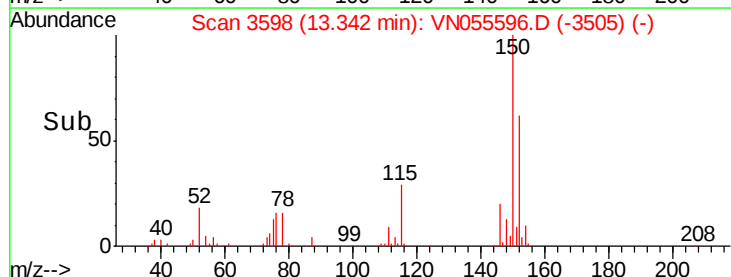
150 172.9 0.0 346.6

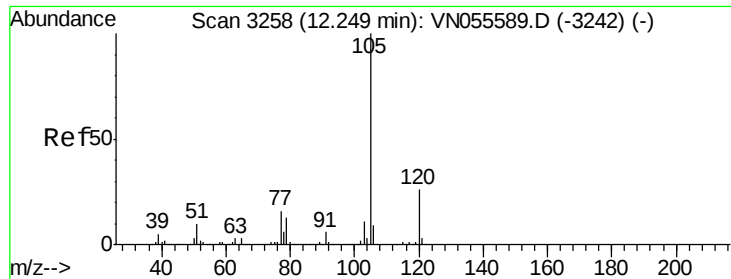


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

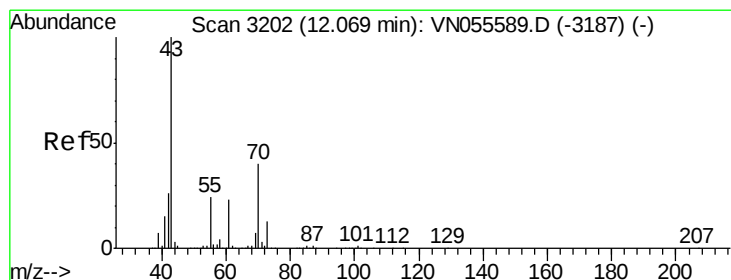
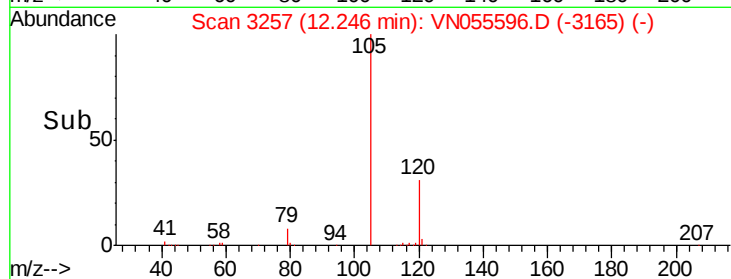
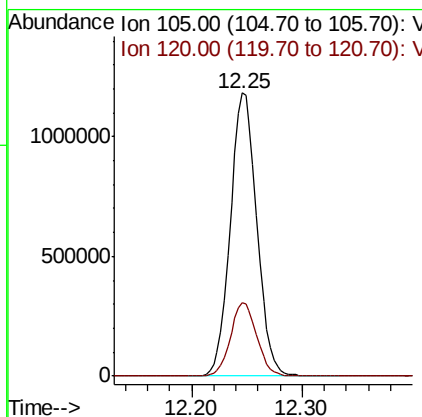
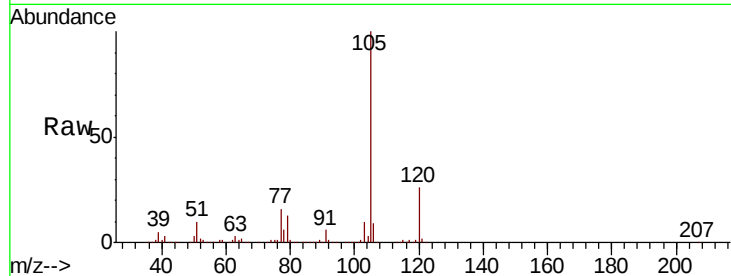




#73
Isopropylbenzene
Concen: 43.740 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

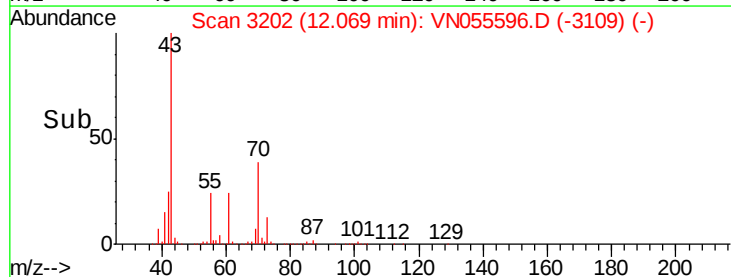
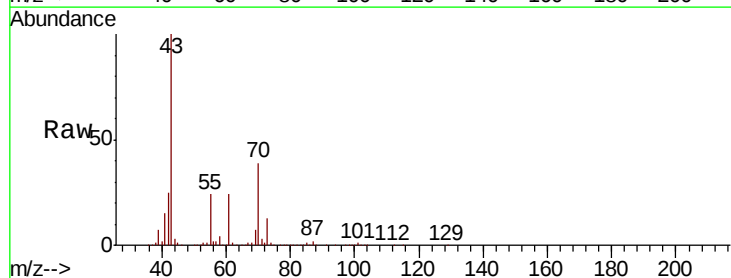
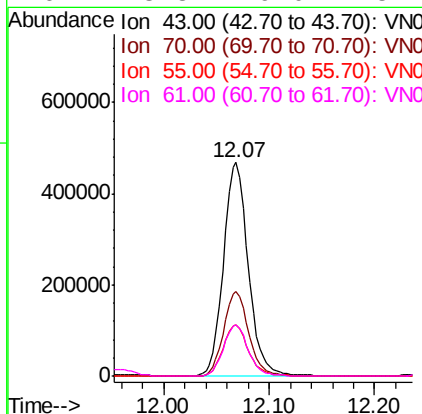
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

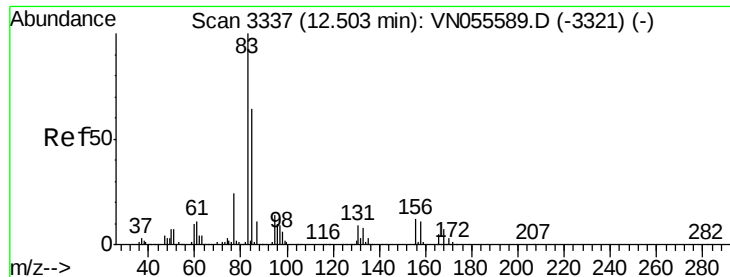
Tot Ion:105 Resp: 1967446
Ion Ratio Lower Upper
105 100
120 25.8 13.0 39.0



#74
N-ethyl acetate
Concen: 47.802 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion: 43 Resp: 758783
Ion Ratio Lower Upper
43 100
70 39.8 31.8 47.6
55 24.5 19.7 29.5
61 23.8 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.038 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

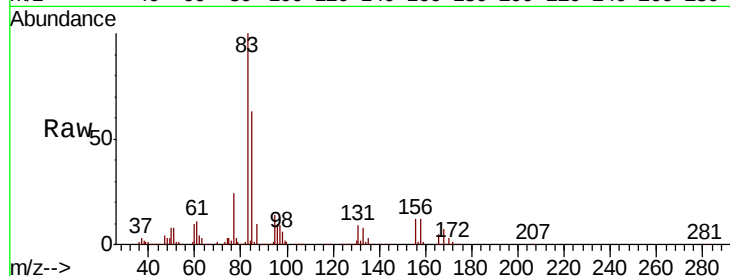
Tot Ion: 83 Resp: 605170

Ion Ratio Lower Upper

83 100

131 8.9 4.6 13.8

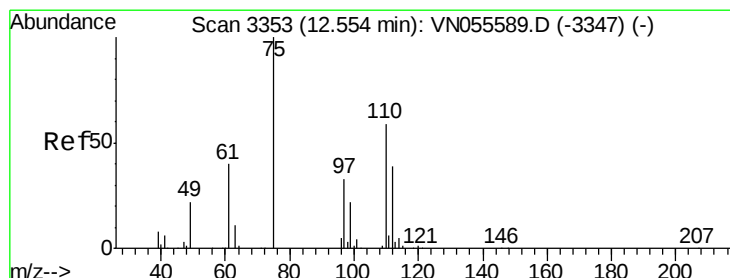
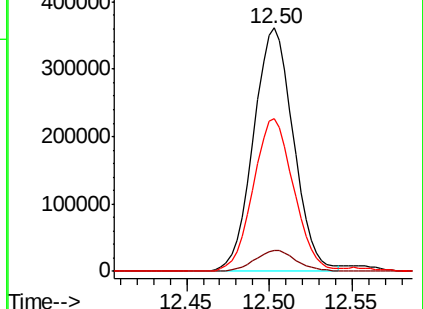
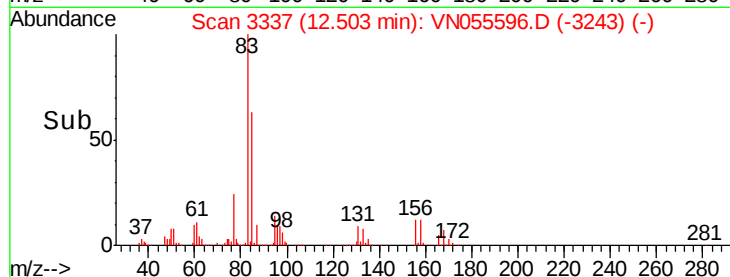
85 63.5 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN055596.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055596.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055596.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 63.405 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN055596.D

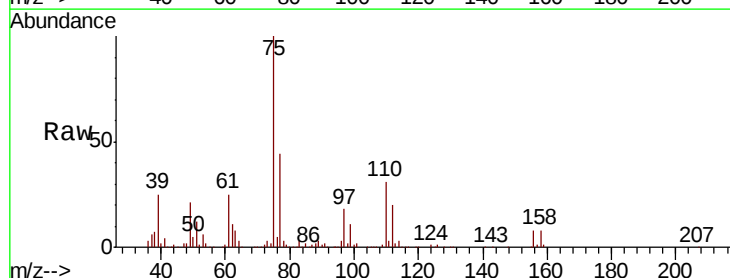
Acq: 14 May 2019 16:16

Tgt Ion: 75 Resp: 722057

Ion Ratio Lower Upper

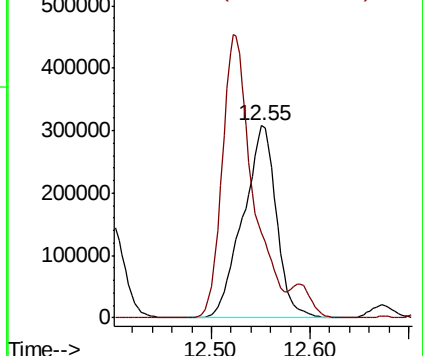
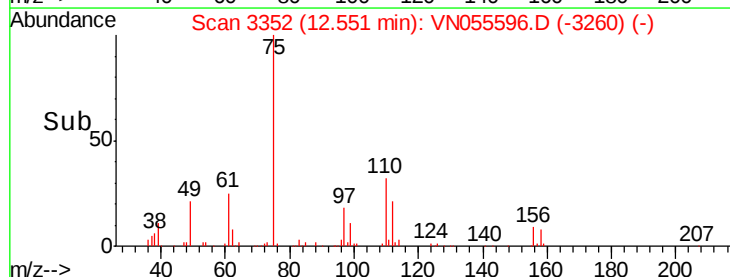
75 100

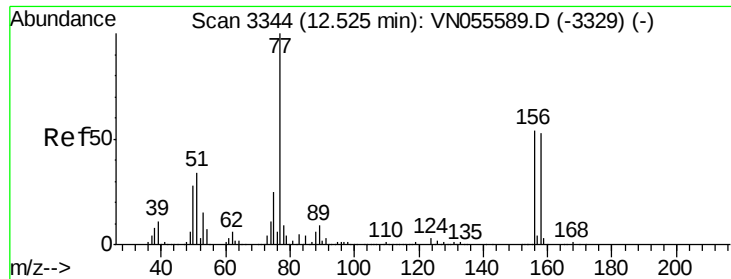
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055596.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055596.D (-3260) (-)





#77

Bromobenzene

Concen: 50.861 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

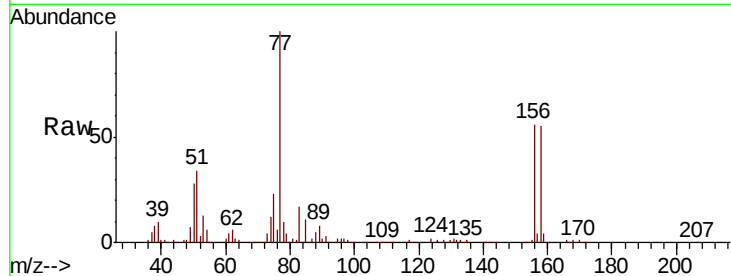
Tot Ion:156 Resp: 456113

Ion Ratio Lower Upper

156 100

77 216.5 108.9 326.7

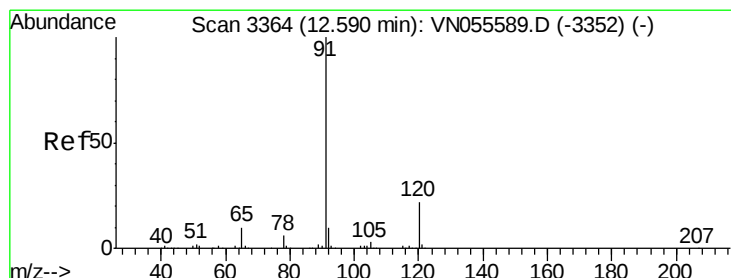
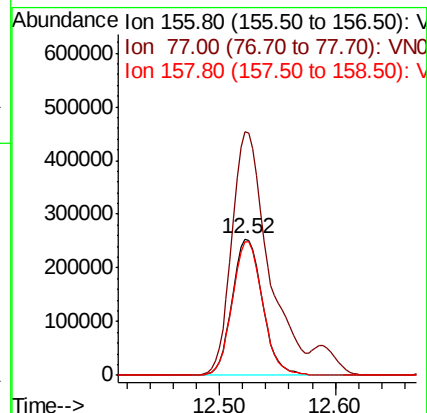
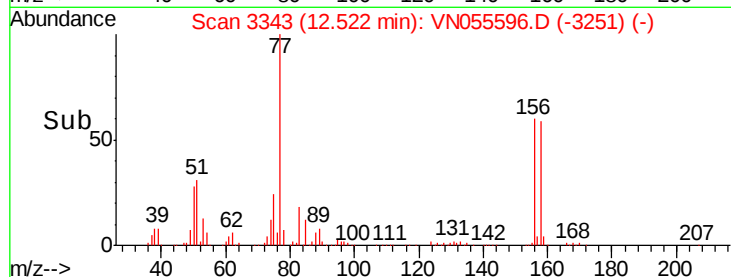
158 98.2 48.1 144.3



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: 46.260 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055596.D

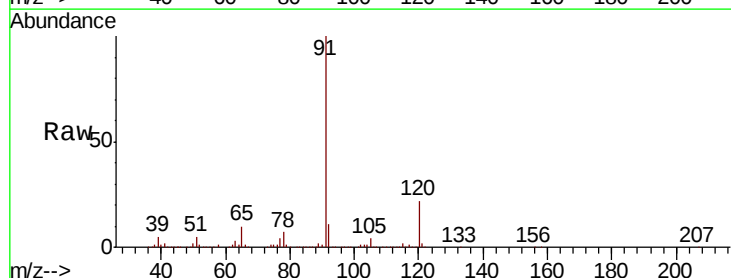
Acq: 14 May 2019 16:16

Tgt Ion: 91 Resp: 2218579

Ion Ratio Lower Upper

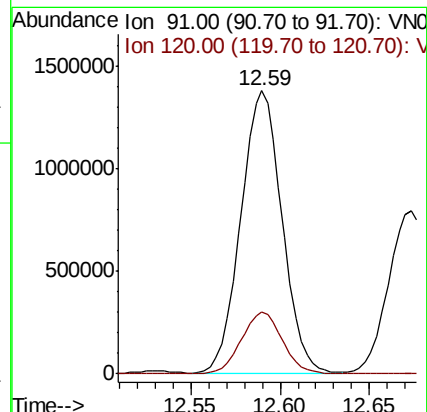
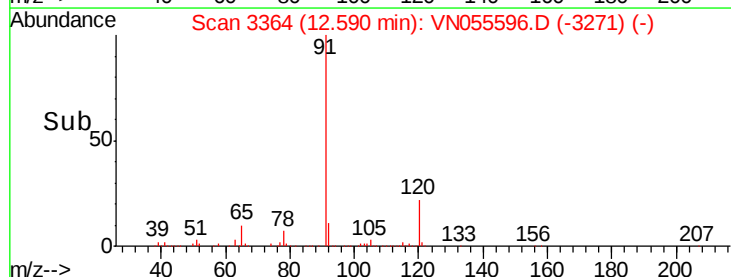
91 100

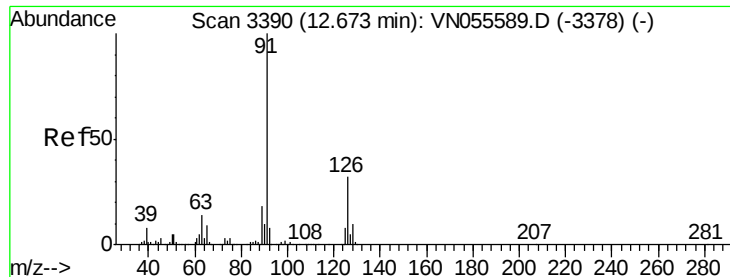
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

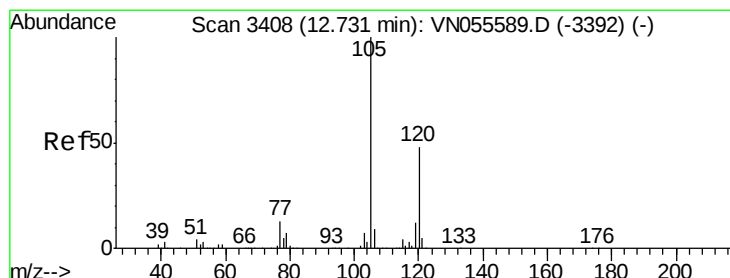
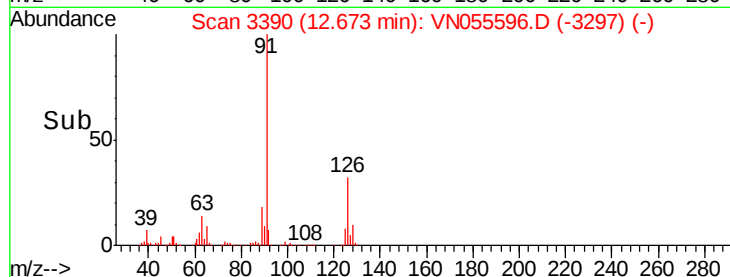
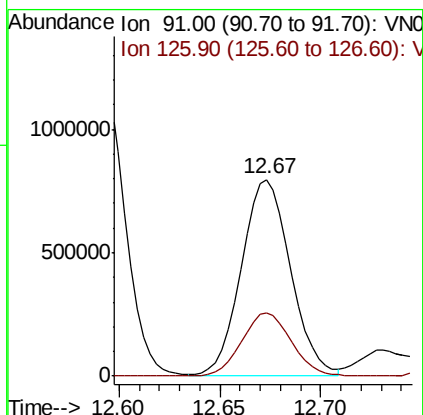
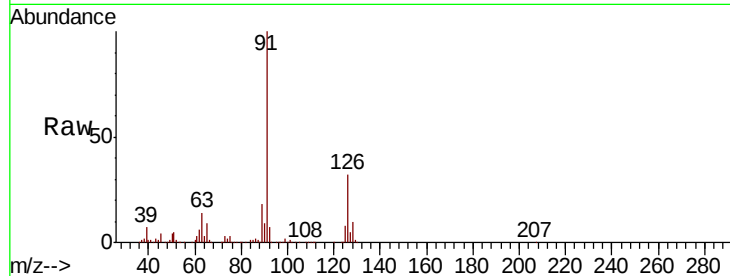




#79
 2-Chlorotoluene
 Concen: 44.315 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055596.D
 Acq: 14 May 2019 16:16

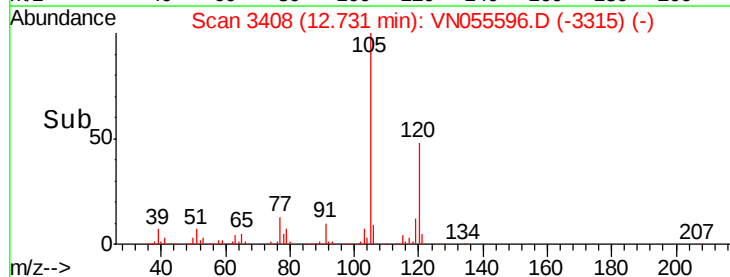
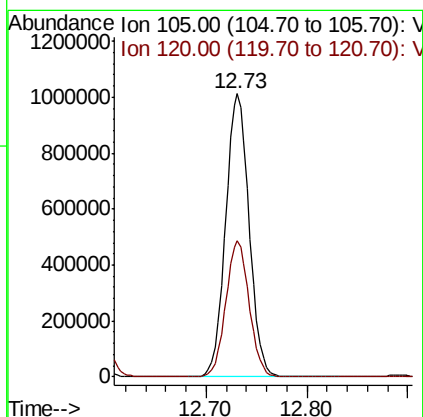
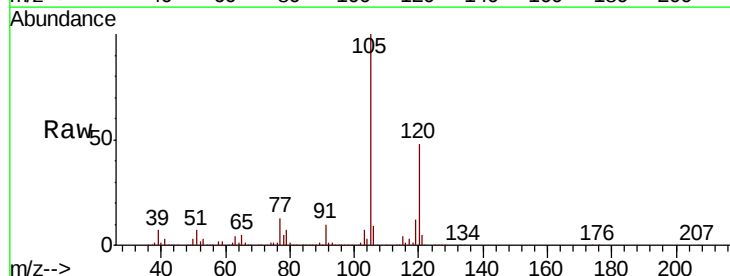
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

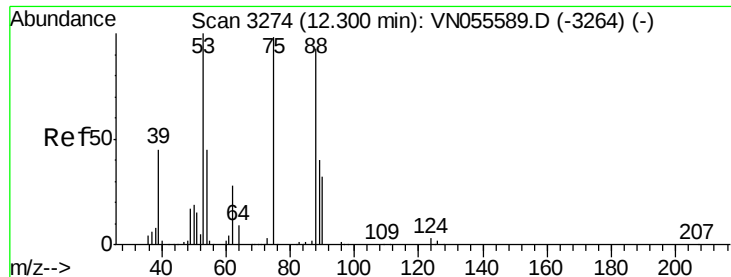
Tot Ion: 91 Resp: 1351892
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 46.130 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055596.D
 Acq: 14 May 2019 16:16

Tgt Ion: 105 Resp: 1640117
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.483 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

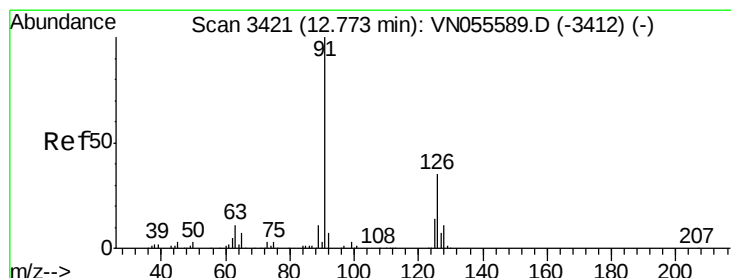
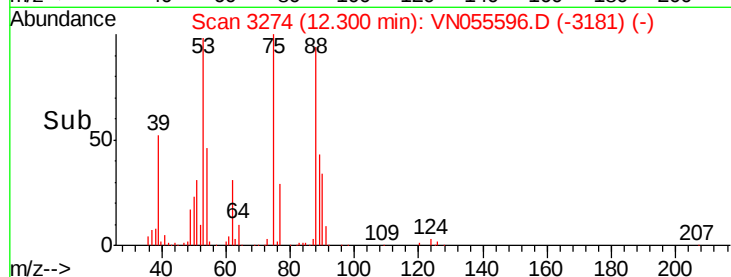
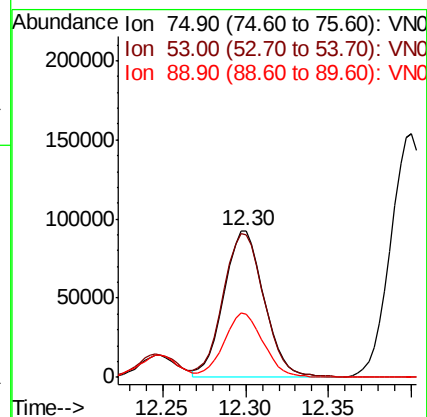
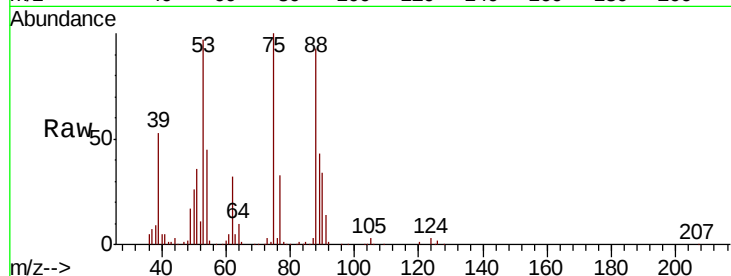
Tot Ion: 75 Resp: 155226

Ion Ratio Lower Upper

75 100

53 100.9 83.9 125.9

89 43.0 34.7 52.1



#82

4-Chlorotoluene

Concen: 46.610 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN055596.D

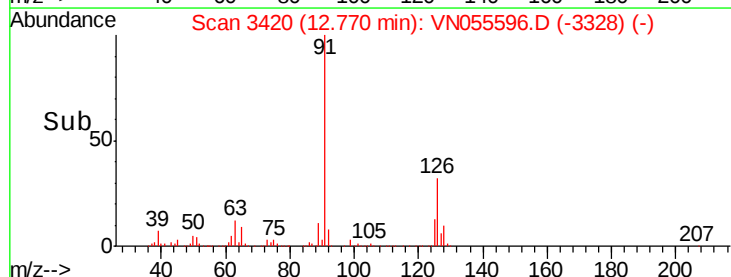
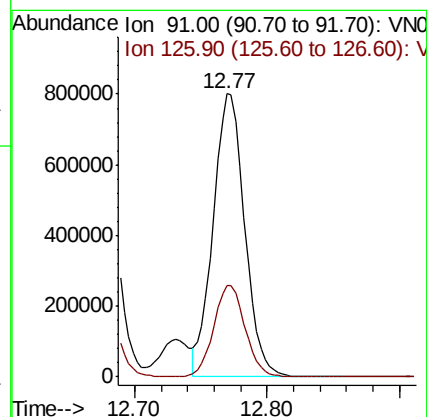
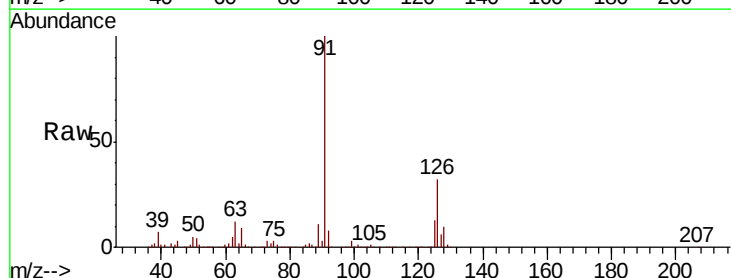
Acq: 14 May 2019 16:16

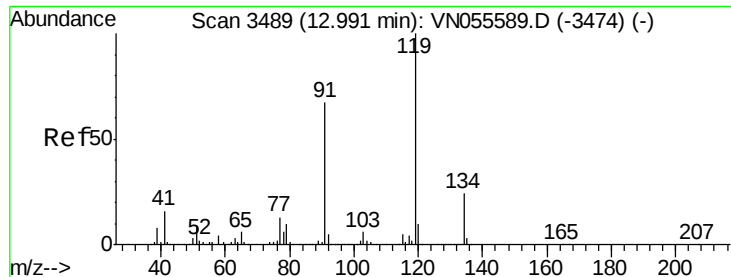
Tgt Ion: 91 Resp: 1320820

Ion Ratio Lower Upper

91 100

126 32.4 16.2 48.6

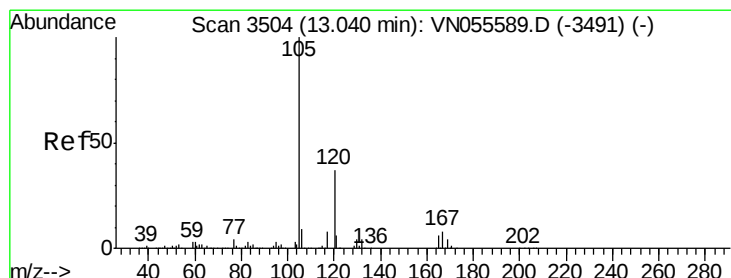
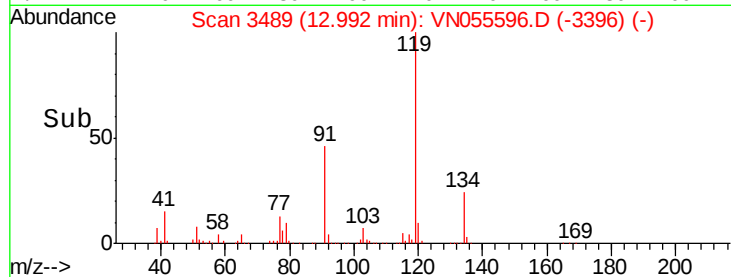
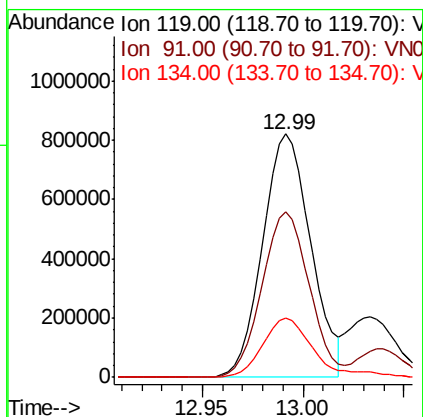
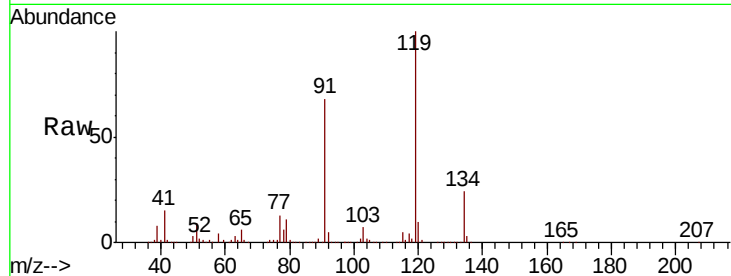




#83
tert-Butylbenzene
Concen: 44.275 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

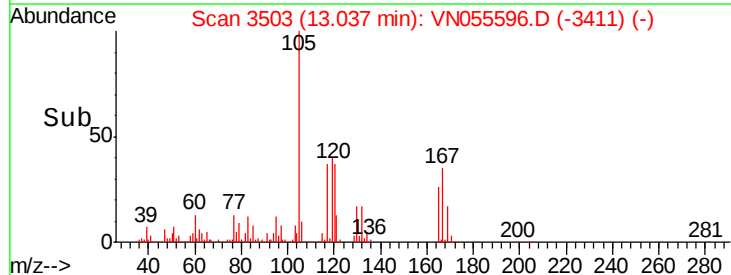
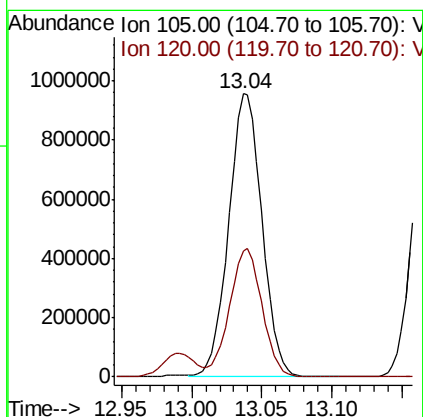
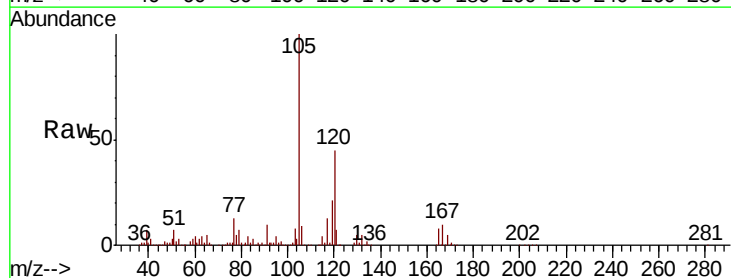
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

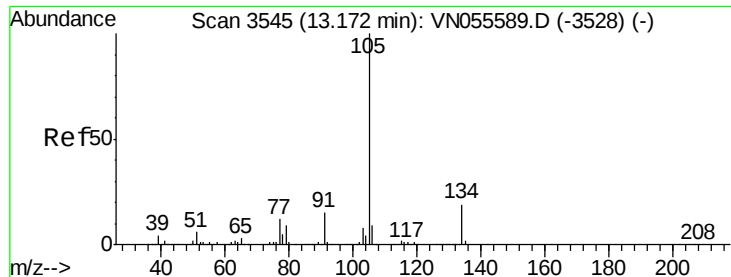
Tot Ion:119 Resp: 1366441
Ion Ratio Lower Upper
119 100
91 66.8 33.5 100.4
134 25.8 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 47.963 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion:105 Resp: 1574897
Ion Ratio Lower Upper
105 100
120 44.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 45.825 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

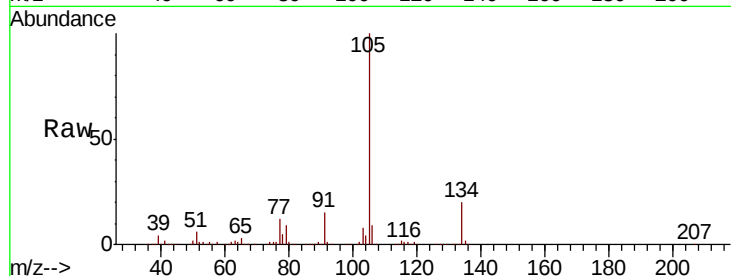
VSTDCCC050EC

Tot Ion:105 Resp: 1821448

Ion Ratio Lower Upper

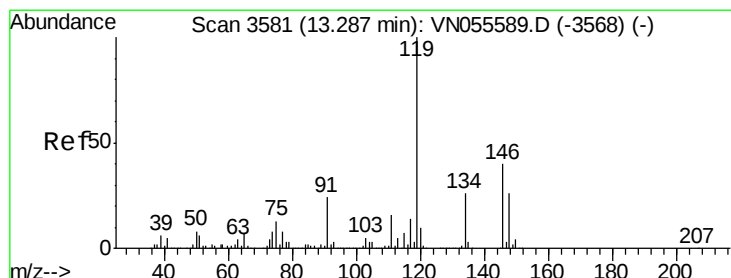
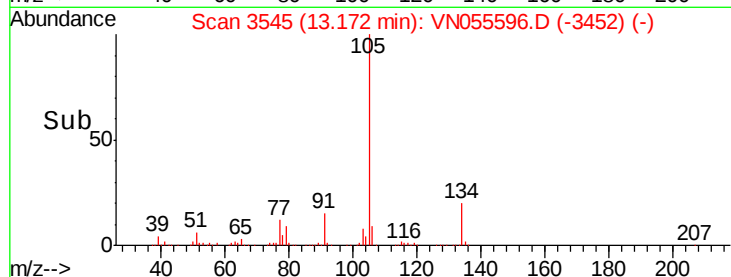
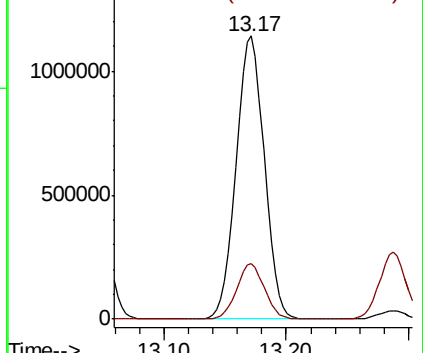
105 100

134 19.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.857 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

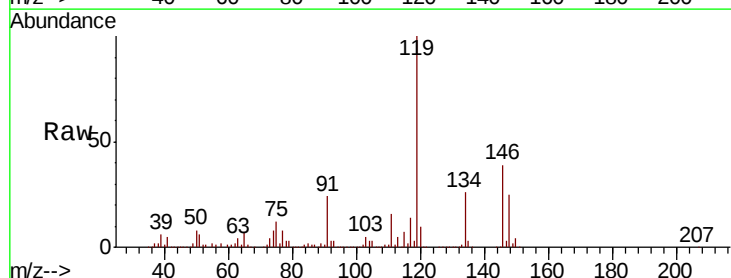
Tgt Ion:119 Resp: 1574620

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

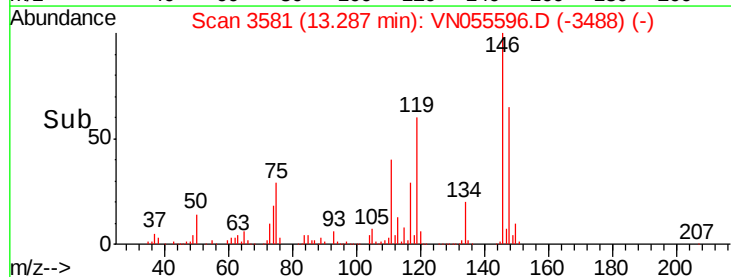
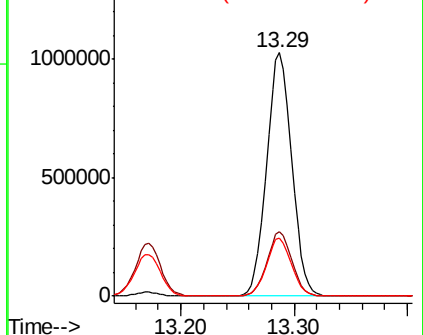
91 23.4 11.9 35.5

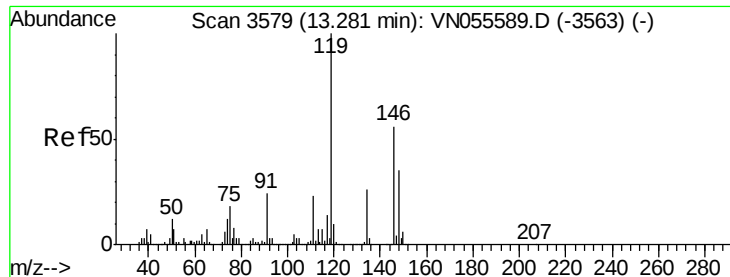


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.645 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

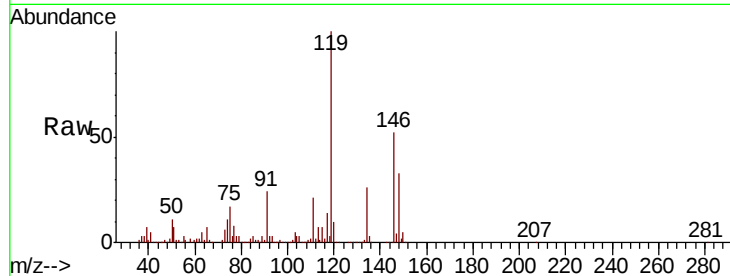
Tot Ion:146 Resp: 758945

Ion Ratio Lower Upper

146 100

111 41.1 20.5 61.5

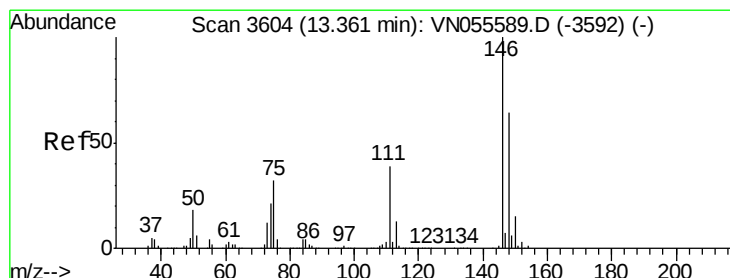
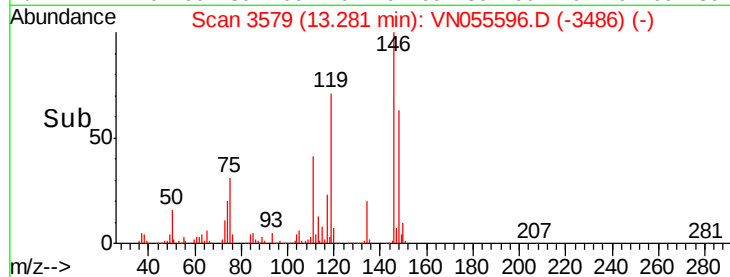
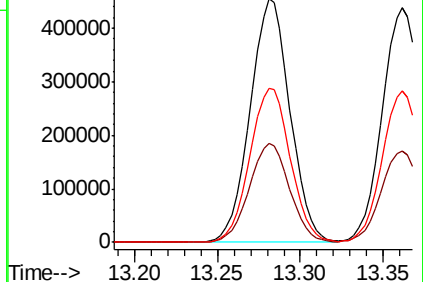
148 64.2 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 46.936 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

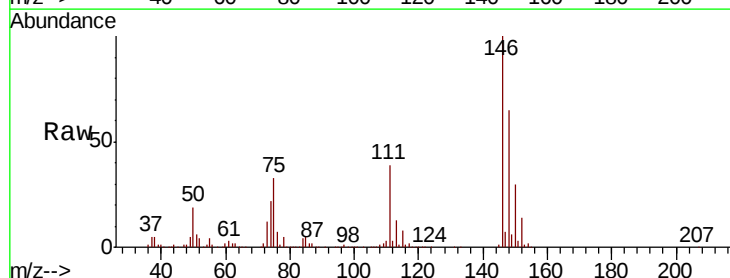
Tgt Ion:146 Resp: 735611

Ion Ratio Lower Upper

146 100

111 39.5 19.7 59.0

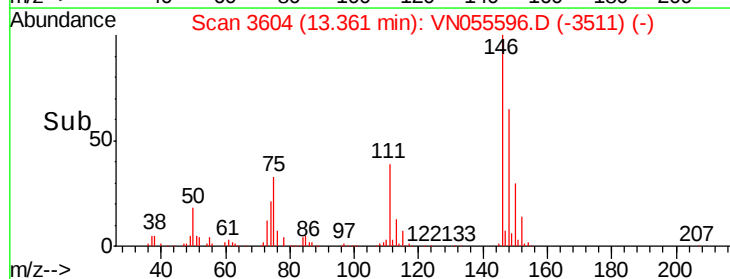
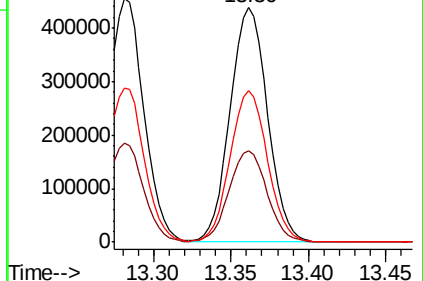
148 64.6 31.8 95.4

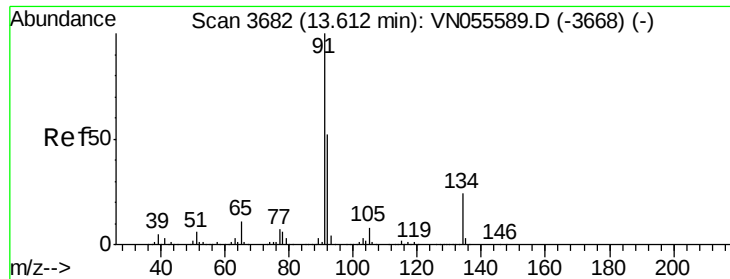


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

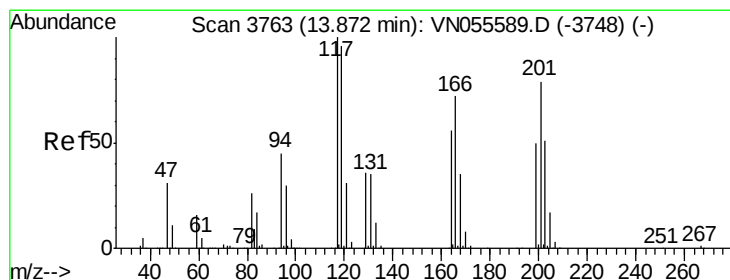
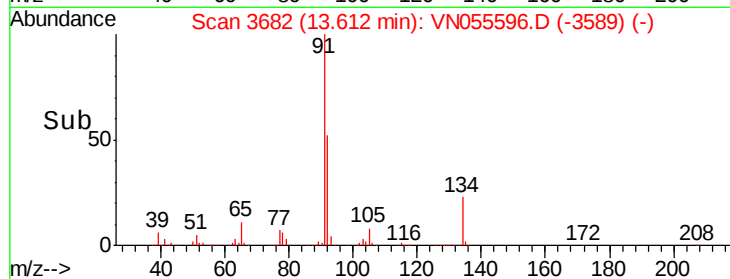
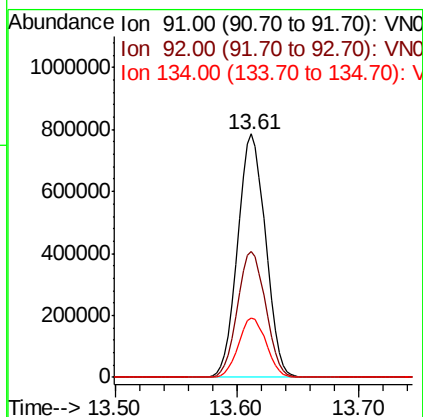
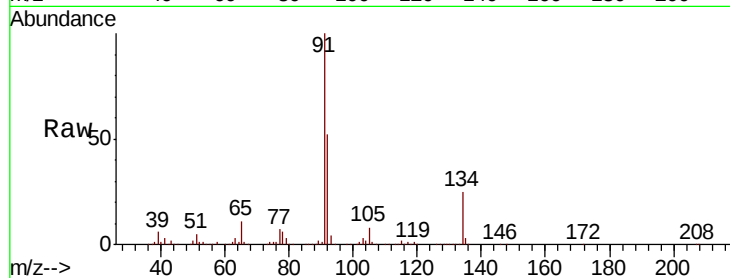




#89
n-Butylbenzene
Concen: 52.058 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

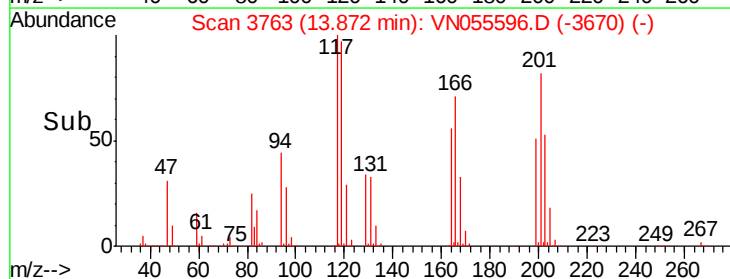
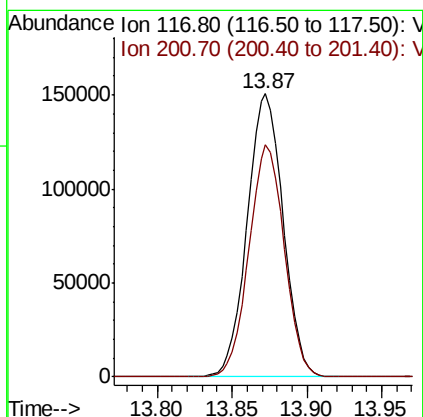
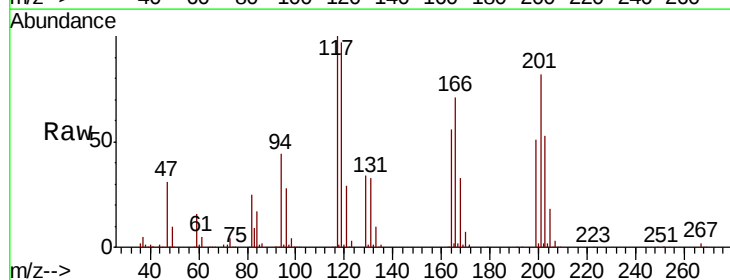
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

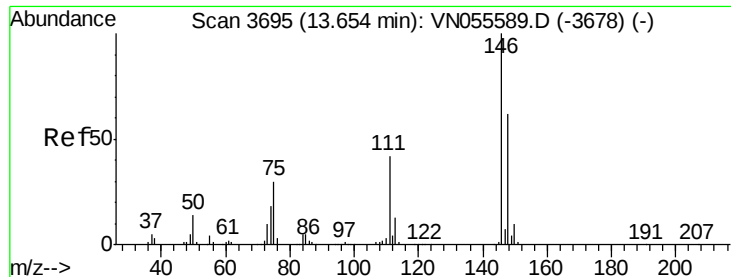
Tot Ion: 91 Resp: 1237836
Ion Ratio Lower Upper
91 100
92 52.4 25.9 77.8
134 24.2 12.2 36.4



#90
Hexachloroethane
Concen: 50.393 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055596.D
Acq: 14 May 2019 16:16

Tgt Ion: 117 Resp: 251249
Ion Ratio Lower Upper
117 100
201 80.7 40.6 121.8





#91

1,2-Dichlorobenzene

Concen: 47.034 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

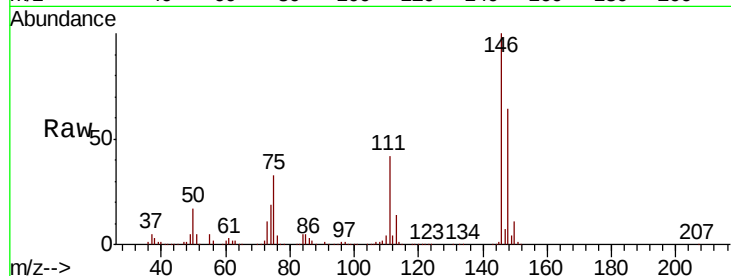
Tot Ion:146 Resp: 748729

Ion Ratio Lower Upper

146 100

111 41.4 21.0 63.0

148 64.2 31.3 93.9

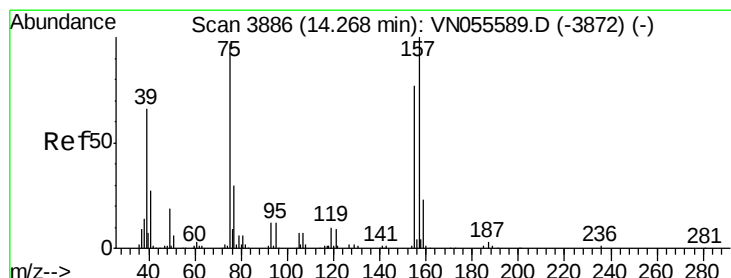
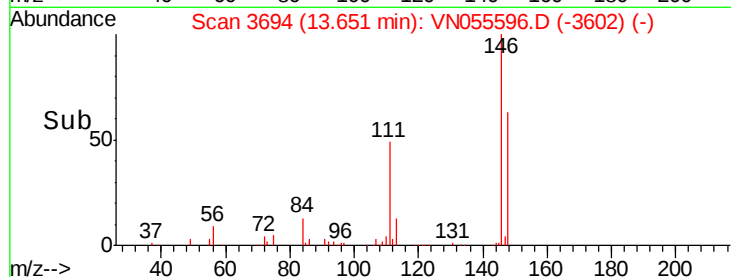
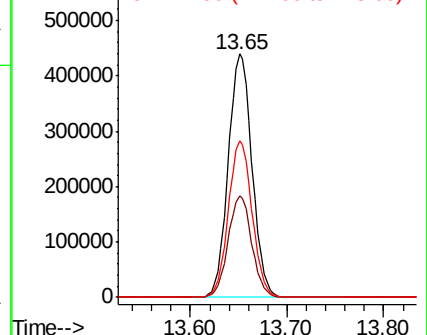


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.686 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

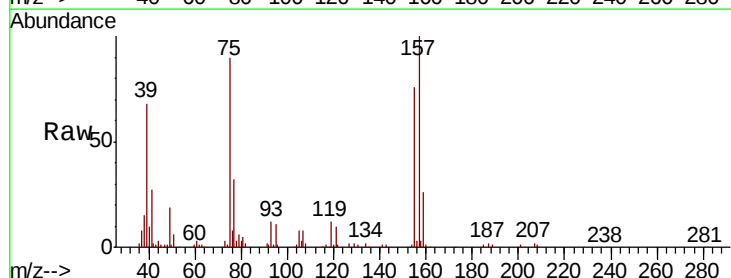
Tgt Ion: 75 Resp: 89677

Ion Ratio Lower Upper

75 100

155 84.3 40.4 121.1

157 110.4 52.1 156.4

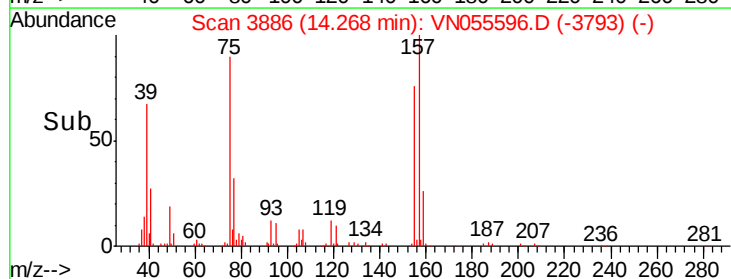
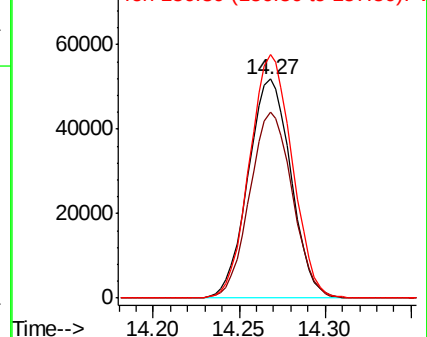


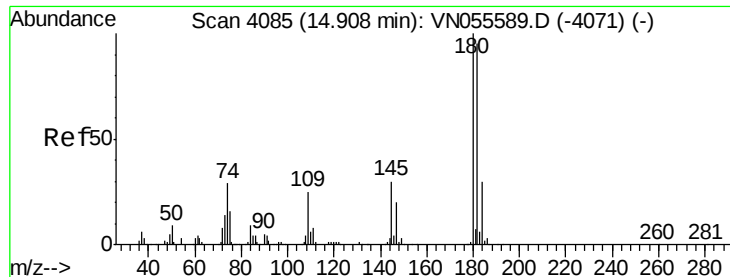
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

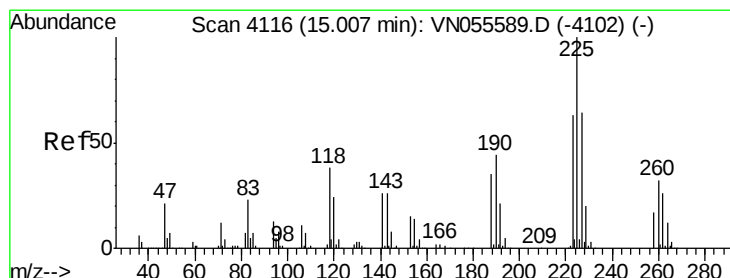
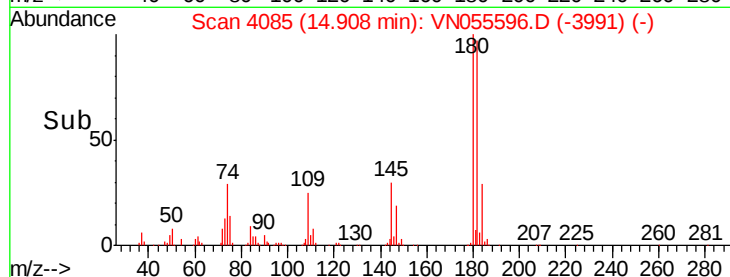
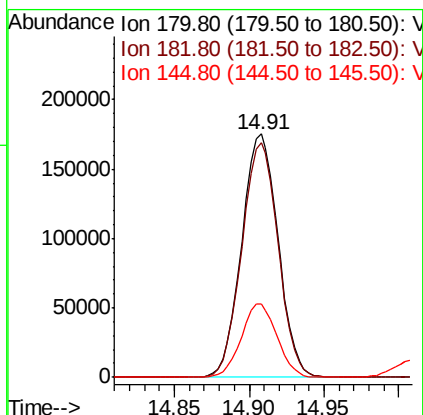
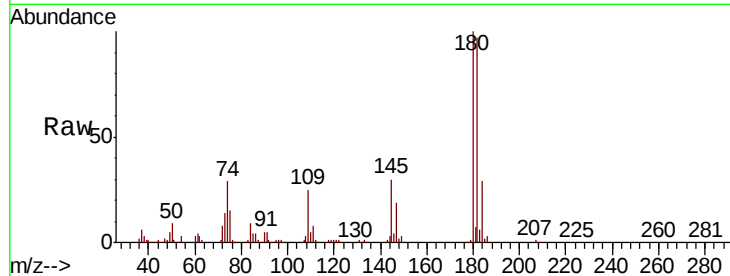




#93
 1,2,4-Trichlorobenzene
 Concen: 46.139 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055596.D
 Acq: 14 May 2019 16:16

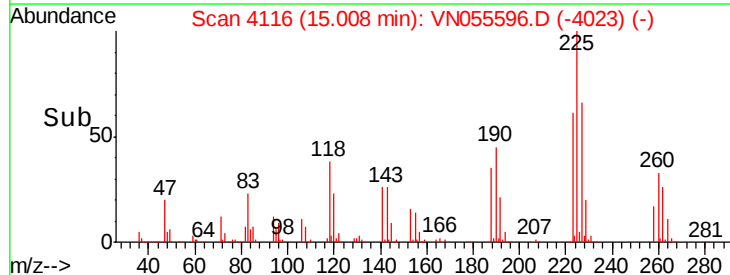
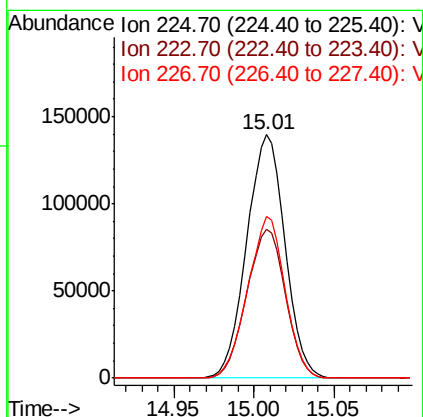
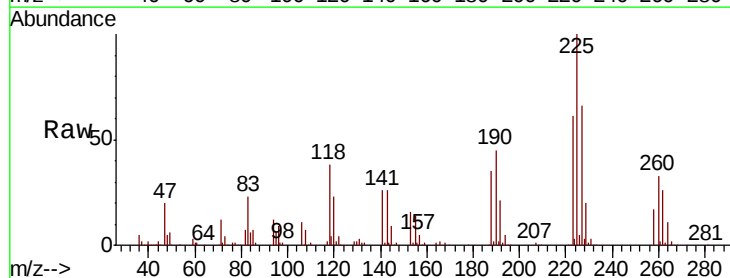
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

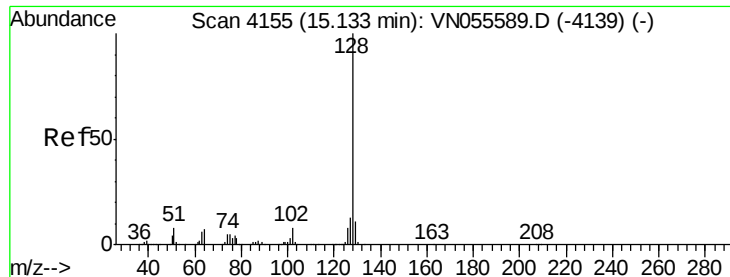
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.3
145	29.5	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 52.078 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055596.D
 Acq: 14 May 2019 16:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.6	95.0
227	65.0	32.4	97.0





#95

Naphthalene

Concen: 47.048 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

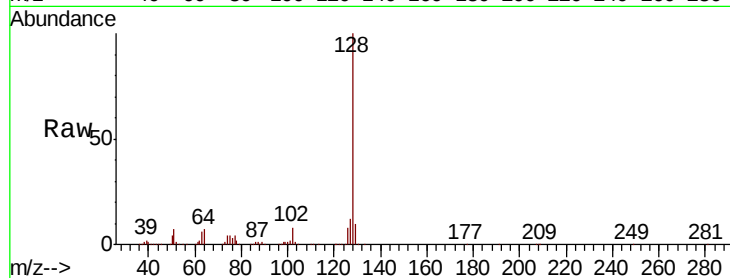
Tot Ion:128 Resp: 808420

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

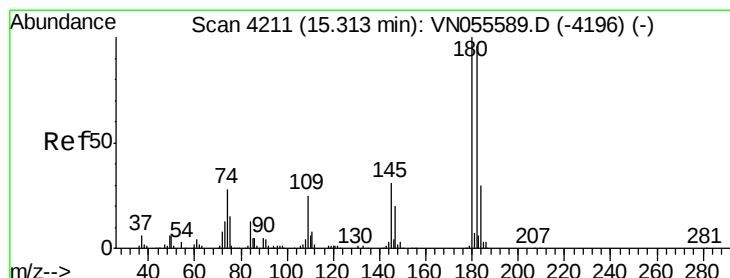
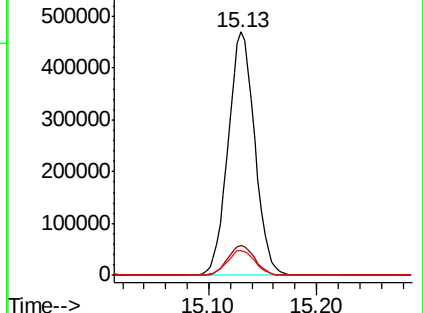
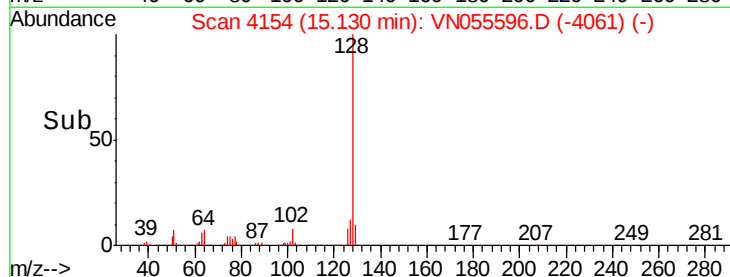
129 10.7 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 47.093 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055596.D

Acq: 14 May 2019 16:16

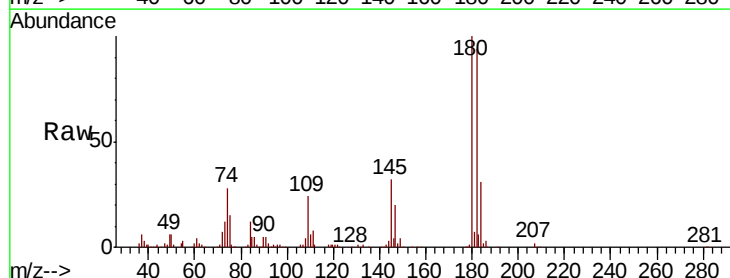
Tgt Ion:180 Resp: 322601

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.6

145 32.0 15.6 46.7



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

