

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061720\
 Data File : VV016955.D
 Acq On : 17 Jun 2020 09:50
 Operator : SY/MD
 Sample : VSTD00135
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

Quant Time: Jun 18 00:55:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 00:53:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	207208	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	195871	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	102223	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11966	0.71	ug/L	0.00
7) Chloroethane-d5	1.58	69	8787	0.68	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	23249	0.78	ug/L	0.00
20) 2-Butanone-d5	3.93	46	28794	7.68	ug/L	0.00
24) Chloroform-d	4.38	84	25447	0.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	13459	0.87	ug/L	0.00
32) Benzene-d6	5.08	84	48377	0.89	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	15243	0.91	ug/L	0.00
41) Toluene-d8	7.34	98	43523	0.87	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.65	79	6135	1.00	ug/L	0.00
48) 2-Hexanone-d5	8.11	63	19181	6.89	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	9179	0.79	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	18238	0.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16268	0.975	ug/L 99
3) Chloromethane	1.25	50	14355	0.740	ug/L 98
5) Vinyl chloride	1.32	62	13616	0.787	ug/L 96
6) Bromomethane	1.53	94	8021	0.819	ug/L 93
8) Chloroethane	1.60	64	8214	0.801	ug/L 97
9) Trichlorofluoromethane	1.77	101	21867	0.903	ug/L 95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	11134	0.837	ug/L 97
12) 1,1-Dichloroethene	2.14	96	9903	0.786	ug/L 91
13) Acetone	2.19	43	15968	6.435	ug/L 92
14) Carbon disulfide	2.31	76	30440	0.800	ug/L 98
15) Methyl Acetate	2.45	43	3915	0.636	ug/L 93
16) Methylene chloride	2.52	84	11608	0.866	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	25445	0.855	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	11174	0.840	ug/L 89
19) 1,1-Dichloroethane	3.21	63	25046	0.935	ug/L 93
21) 2-Butanone	4.01	43	29992	8.153	ug/L 97
22) cis-1,2-Dichloroethene	3.94	96	14871	0.972	ug/L 90
23) Bromochloromethane	4.27	128	6377	1.053	ug/L 90
25) Chloroform	4.40	83	25762	0.942	ug/L 96
27) 1,2-Dichloroethane	5.16	62	17347	0.979	ug/L 98
29) 1,1,1-Trichloroethane	4.63	97	23414	1.020	ug/L 95
30) Cyclohexane	4.70	56	22421	0.933	ug/L 99
31) Carbon tetrachloride	4.85	117	21844	1.101	ug/L 94
33) Benzene	5.13	78	51821	0.919	ug/L 100
34) Trichloroethene	5.94	95	15887	1.058	ug/L 96
35) Methylcyclohexane	6.15	83	22416	0.930	ug/L 93
37) 1,2-Dichloropropane	6.20	63	12862	0.914	ug/L 98
38) Bromodichloromethane	6.53	83	17395	1.002	ug/L 99
39) cis-1,3-Dichloropropene	7.05	75	18329	0.956	ug/L 97
40) 4-Methyl-2-pentanone	7.25	43	72567	8.557	ug/L 98

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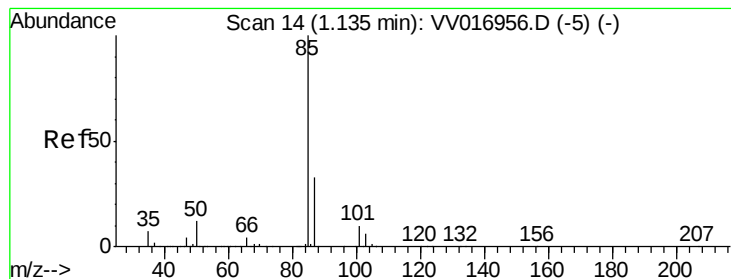
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	58563	0.974	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	50330	0.937	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	51271	0.932	ug/L	100
46) trans-1,3-Dichloropropene	7.68	75	15558	0.981	ug/L	98
47) 1,1,2-Trichloroethane	7.86	97	9314	1.008	ug/L	96
49) Tetrachloroethene	8.00	164	12251	1.083	ug/L	95
50) 2-Hexanone	8.16	43	52239	8.822	ug/L	98
51) Dibromochloromethane	8.27	129	10416	1.039	ug/L	97
52) 1,2-Dibromoethane	8.38	107	8725	1.002	ug/L #	90
53) Chlorobenzene	8.90	112	38244	1.002	ug/L	98
54) Ethylbenzene	9.03	91	60640	0.910	ug/L	96
55) m,p-xylene	9.16	106	23967	0.957	ug/L	98
56) o-xylene	9.57	106	22742	0.966	ug/L	98
57) Styrene	9.58	104	36641	0.917	ug/L	94
58) Isopropylbenzene	9.95	105	62102	0.961	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.27	83	8784	0.776	ug/L	95
62) Bromoform	9.75	173	5319	1.177	ug/L #	95
63) 1,3-Dichlorobenzene	11.21	146	31610	1.018	ug/L	96
64) 1,4-Dichlorobenzene	11.30	146	32515	1.013	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	27492	0.949	ug/L	91
67) 1,2-Dibromo-3-chloropropan	12.45	75	1518	0.835	ug/L	82
68) 1,3,5-Trichlorobenzene	12.67	180	24689	1.078	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	19773	1.010	ug/L	96
70) Naphthalene	13.53	128	26931	0.602	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	16255	0.948	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.975 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

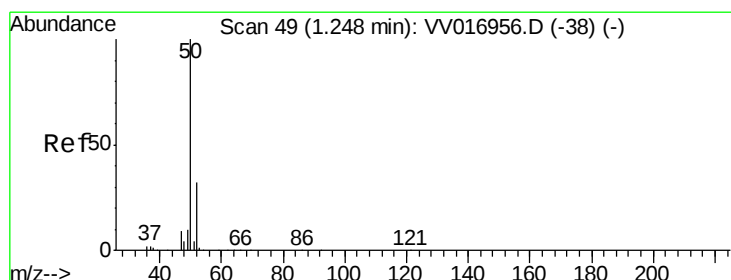
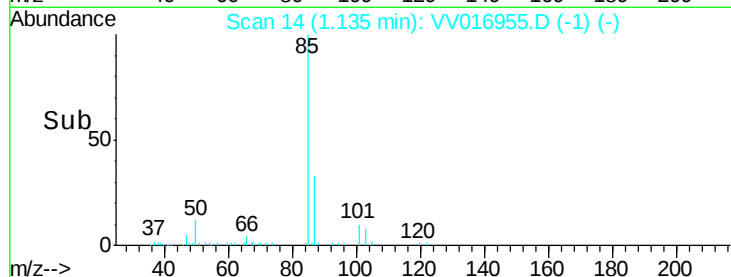
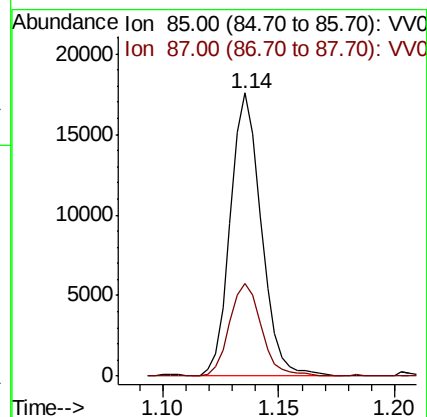
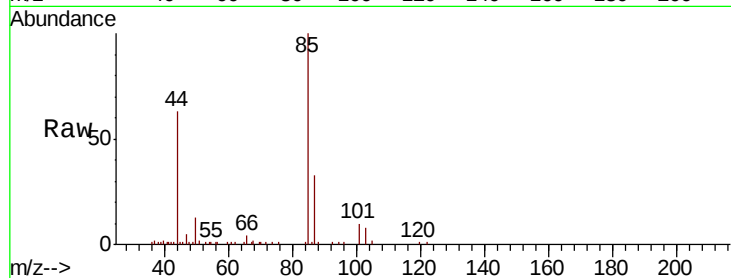
VSTD00135

Tot Ion: 85 Resp: 16268

Ion Ratio Lower Upper

85 100

87 33.5 26.3 39.5



#3

Chloromethane

Concen: 0.740 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016955.D

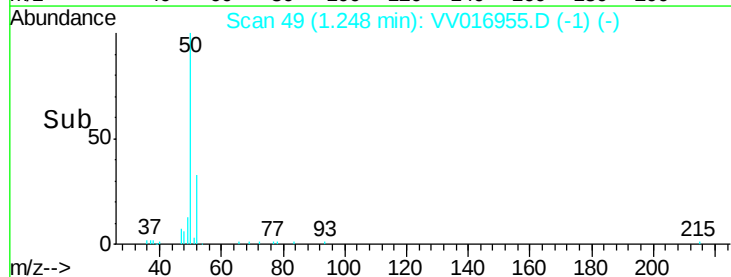
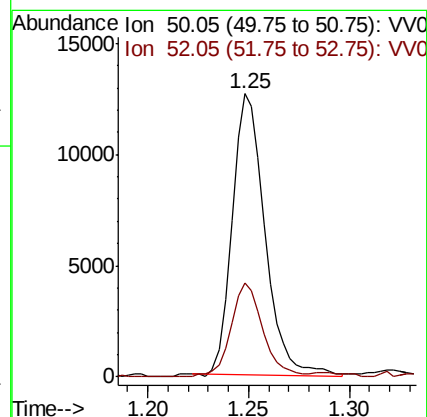
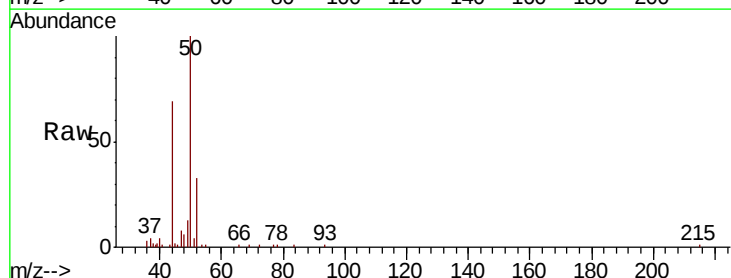
Acq: 17 Jun 2020 09:50

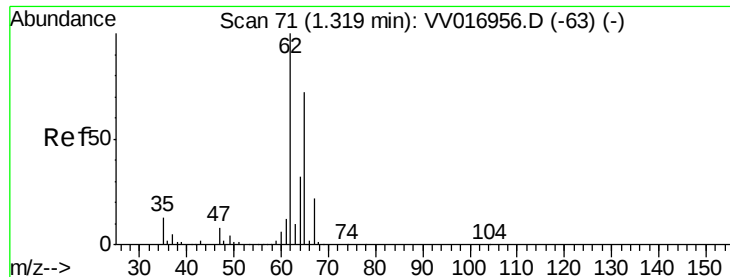
Tgt Ion: 50 Resp: 14355

Ion Ratio Lower Upper

50 100

52 33.3 22.5 41.9





#5

Vinyl chloride

Concen: 0.787 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

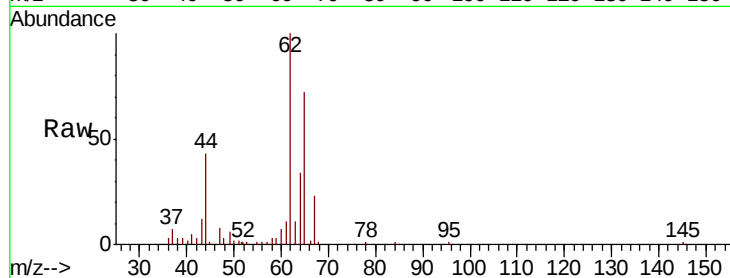
VSTD00135

Tot Ion: 62 Resp: 13616

Ion Ratio Lower Upper

62 100

64 34.3 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV016955.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV016955.D (-63) (-)

1.32

15000

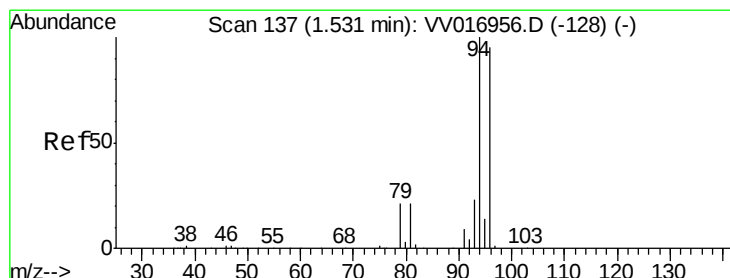
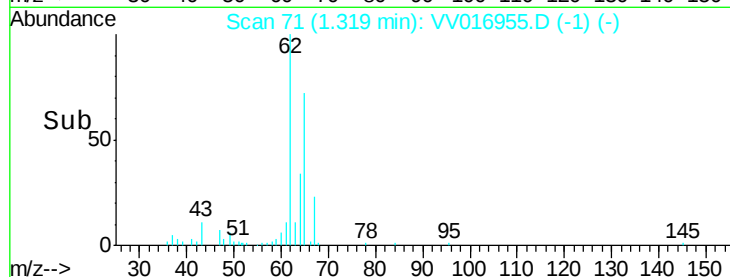
10000

5000

0

Time-->

1.30 1.35



#6

Bromomethane

Concen: 0.819 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016955.D

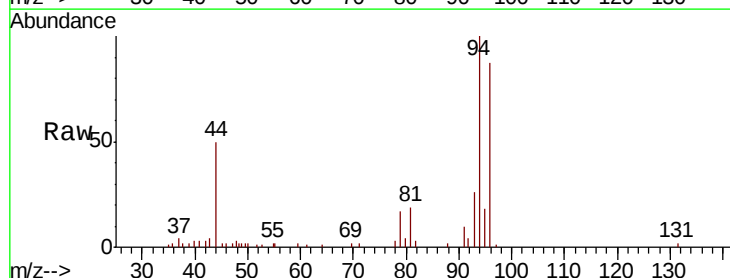
Acq: 17 Jun 2020 09:50

Tgt Ion: 94 Resp: 8021

Ion Ratio Lower Upper

94 100

96 87.5 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV016955.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV016955.D (-128) (-)

1.53

8000

6000

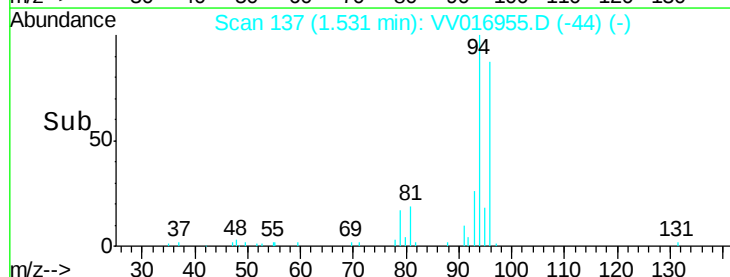
4000

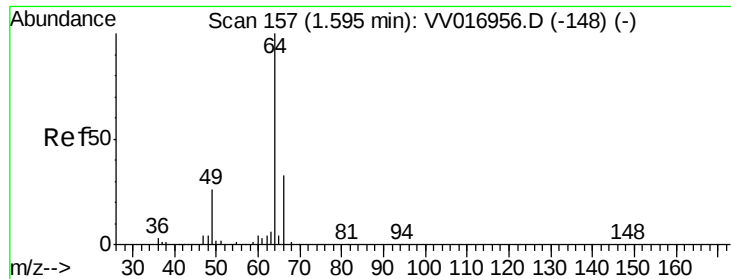
2000

0

Time-->

1.50 1.55

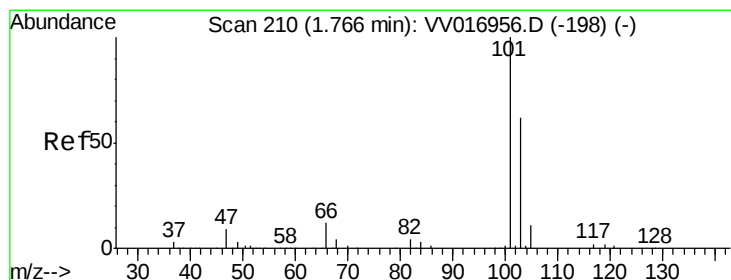
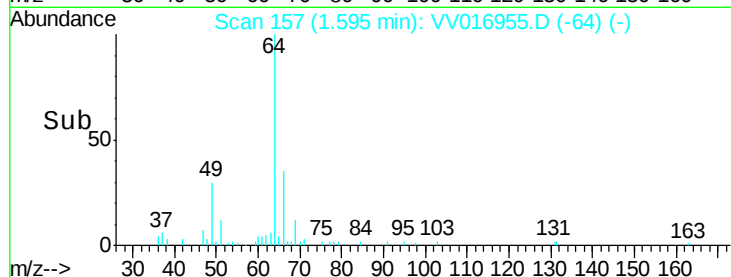
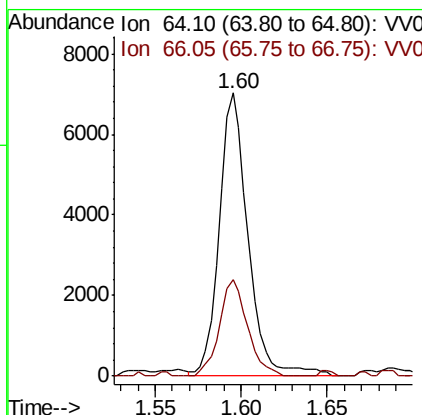
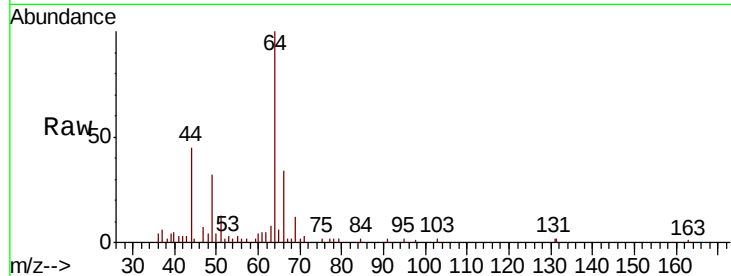




#8
Chloroethane
Concen: 0.801 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

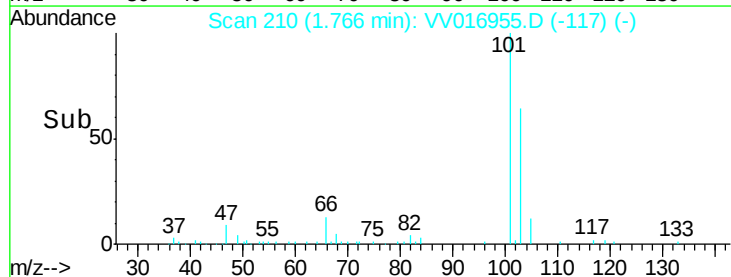
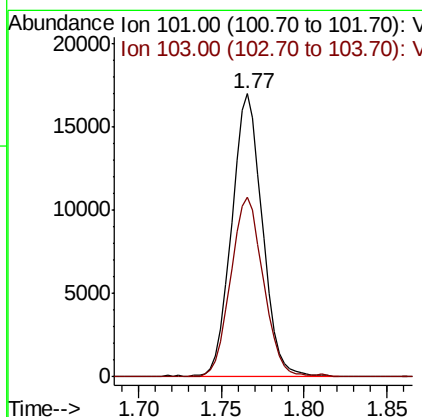
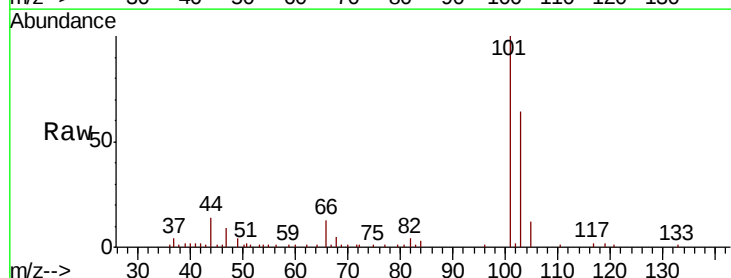
Instrument :
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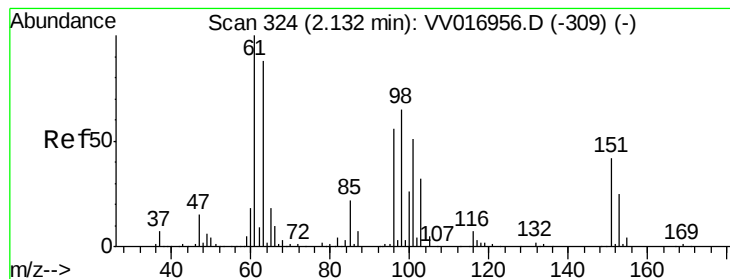
Tot Ion: 64 Resp: 8214
Ion Ratio Lower Upper
64 100
66 34.1 22.8 42.4



#9
Trichlorofluoromethane
Concen: 0.903 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

Tgt Ion:101 Resp: 21867
Ion Ratio Lower Upper
101 100
103 67.4 50.9 76.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.837 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

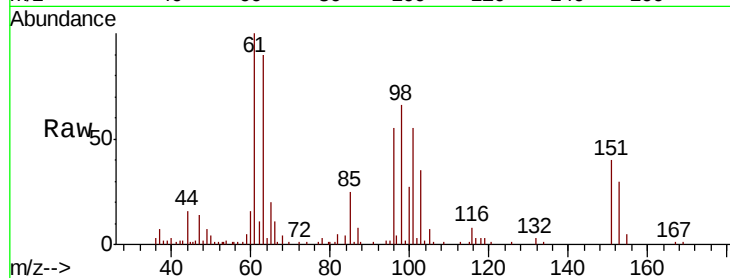
Tot Ion:101 Resp: 11134

Ion Ratio Lower Upper

101 100

85 46.8 35.4 53.2

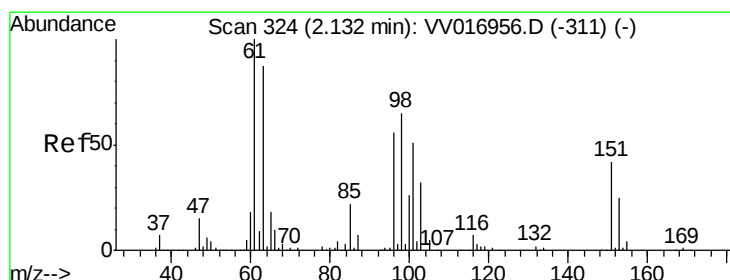
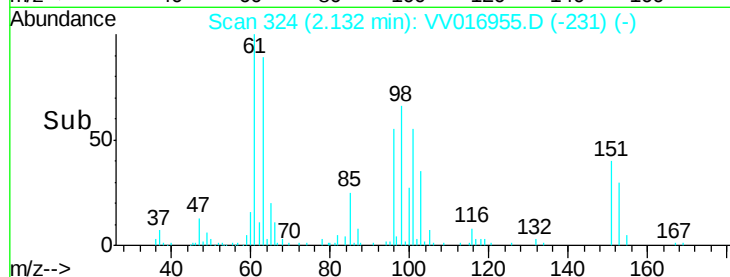
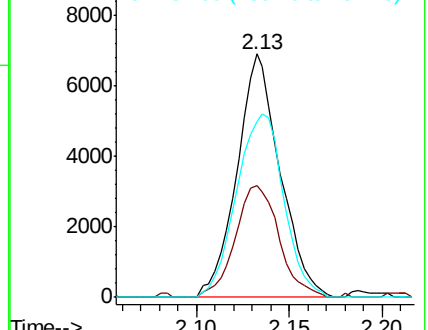
151 82.6 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.786 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

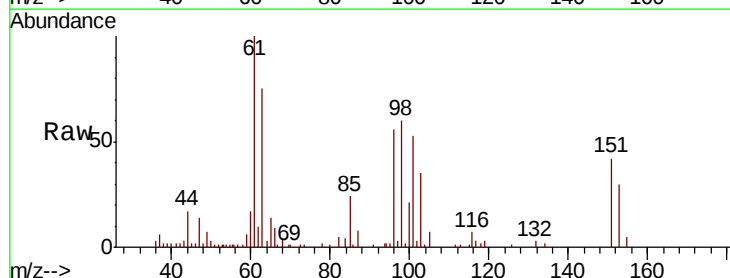
Tgt Ion: 96 Resp: 9903

Ion Ratio Lower Upper

96 100

61 177.2 125.0 232.2

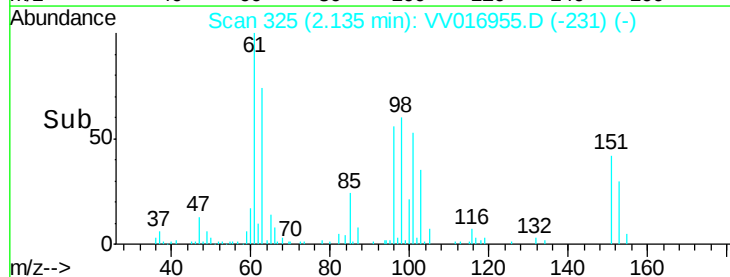
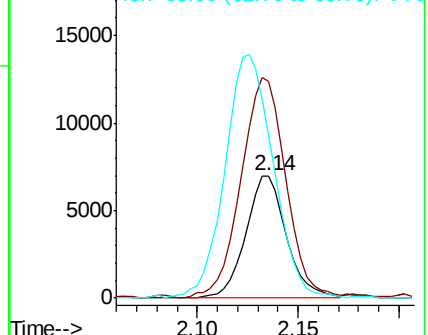
63 133.2 109.8 203.8

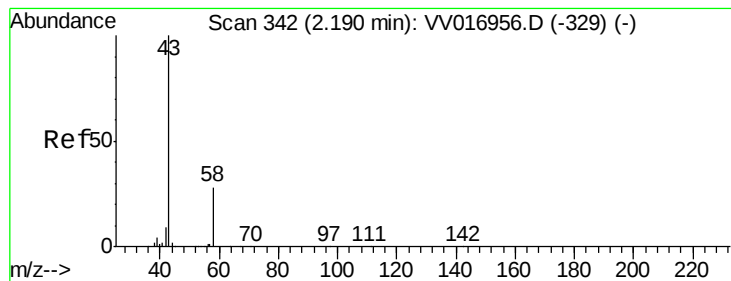


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.435 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

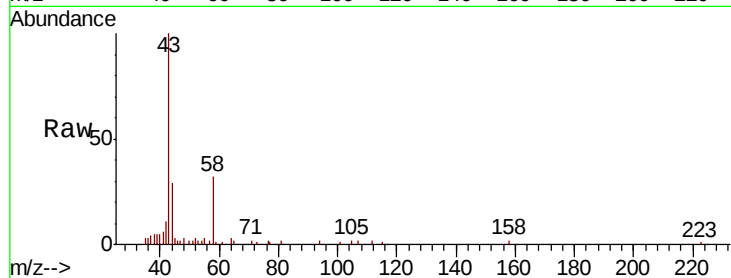
VSTD00135

Tot Ion: 43 Resp: 15968

Ion Ratio Lower Upper

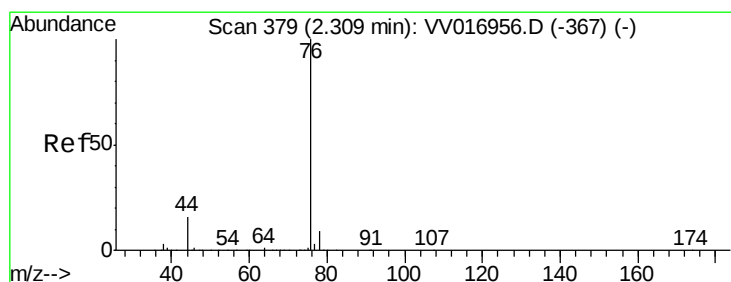
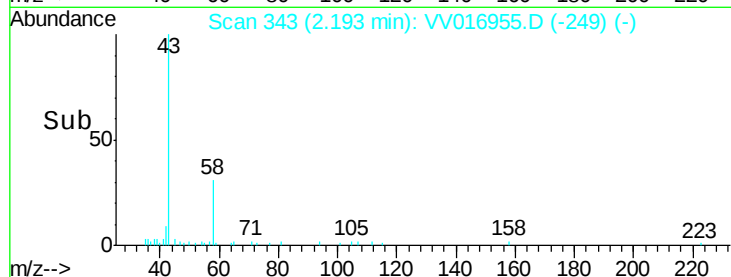
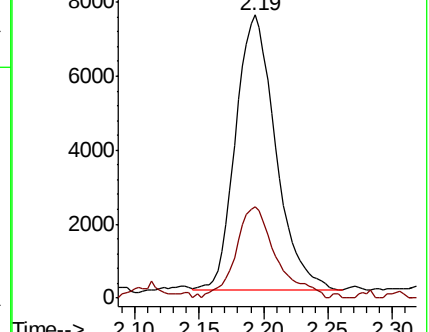
43 100

58 33.5 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV016956.D (-329) (-)

Ion 58.05 (57.75 to 58.75): VV016956.D (-329) (-)



#14

Carbon disulfide

Concen: 0.800 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016955.D

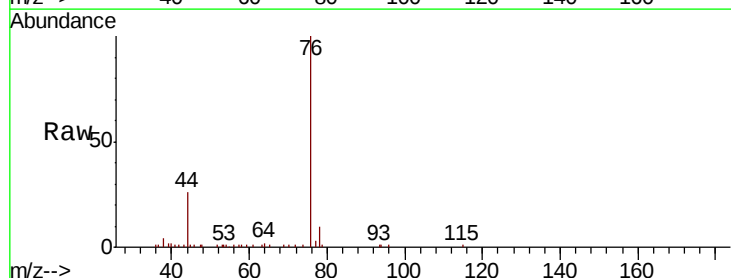
Acq: 17 Jun 2020 09:50

Tgt Ion: 76 Resp: 30440

Ion Ratio Lower Upper

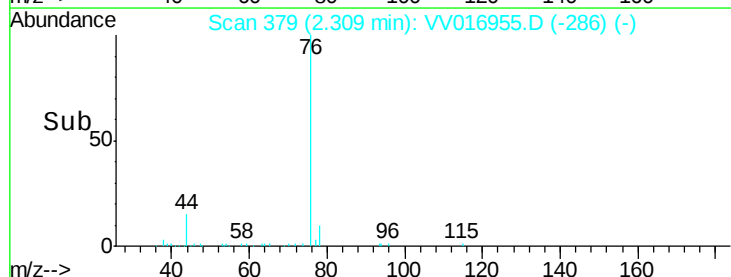
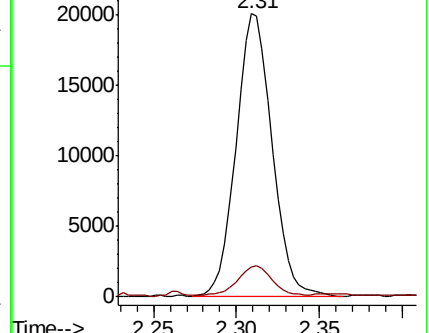
76 100

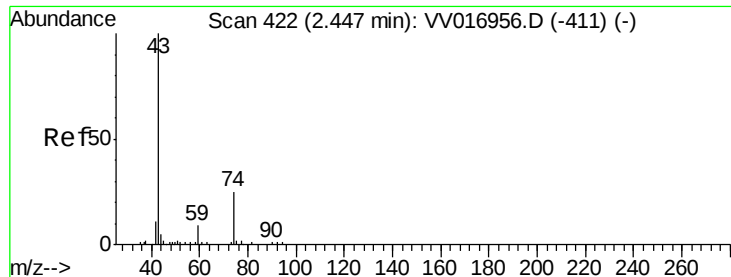
78 10.4 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV016956.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV016956.D (-367) (-)





#15

Methvl Acetate

Concen: 0.636 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

Instrument :

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ClientSampleId :

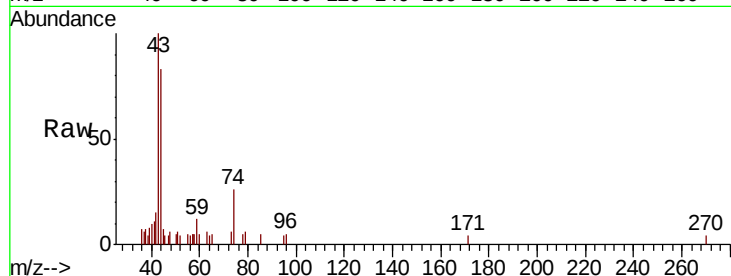
VSTD00135

Tot Ion: 43 Resp: 3915

Ion Ratio Lower Upper

43 100

74 27.5 19.1 28.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.45

2500

2000

1500

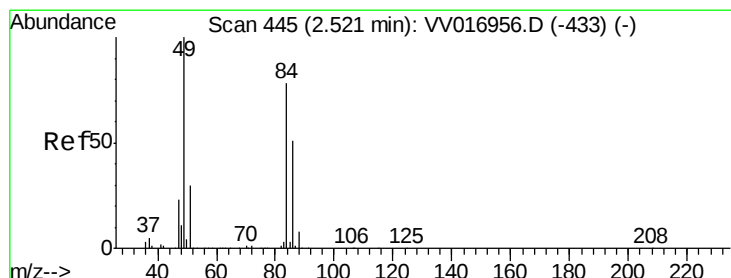
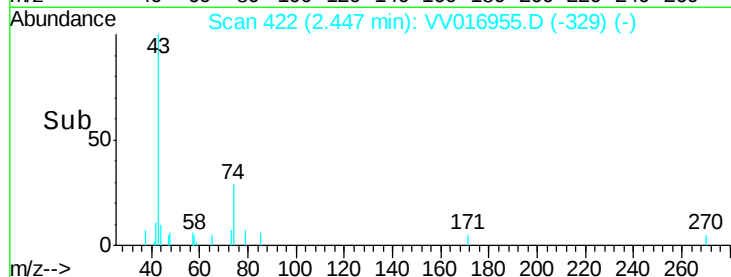
1000

500

0

Time-->

2.40 2.45 2.50



#16

Methylene chloride

Concen: 0.866 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

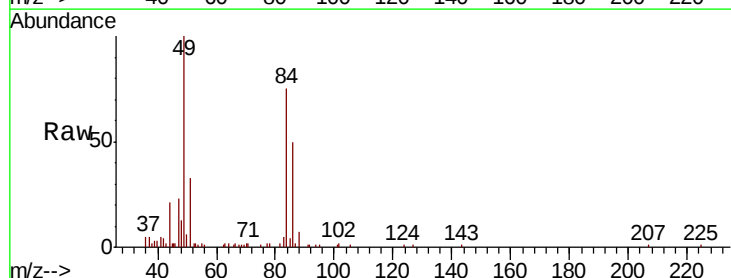
Tgt Ion: 84 Resp: 11608

Ion Ratio Lower Upper

84 100

86 66.2 45.8 85.0

49 132.7 89.6 166.4



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

12000

10000

8000

6000

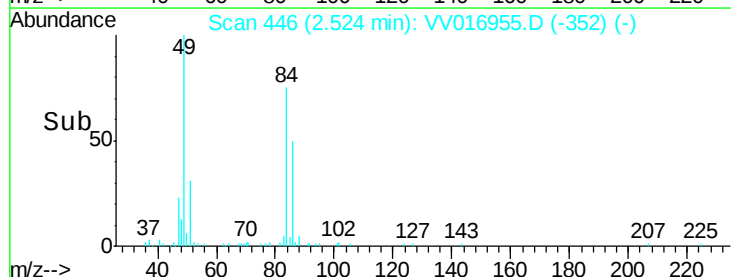
4000

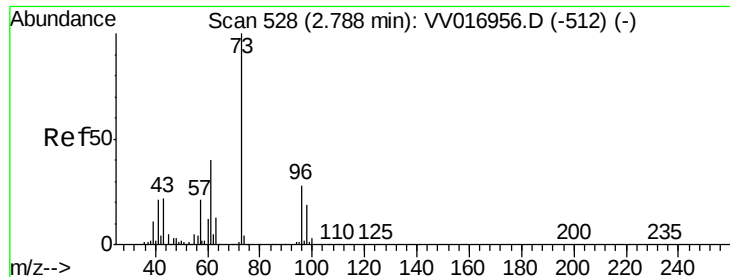
2000

0

Time-->

2.45 2.50 2.55

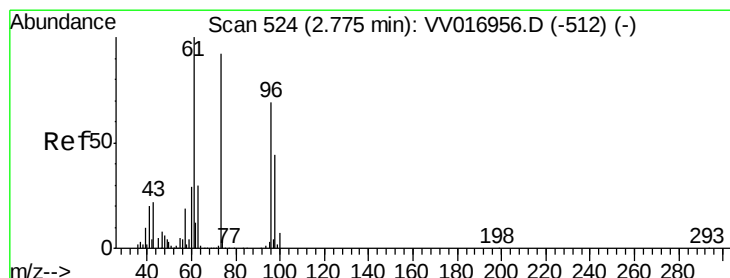
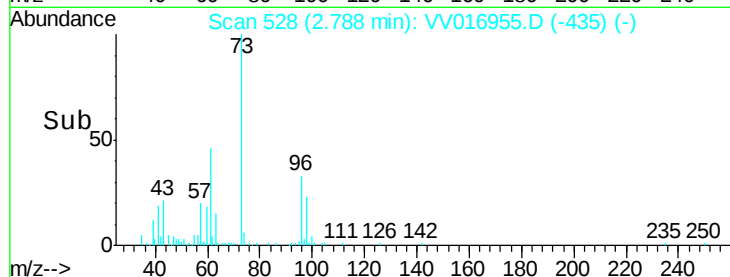
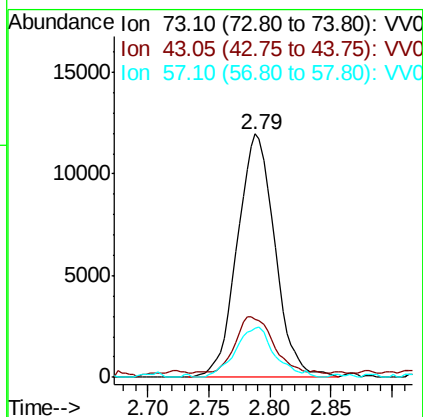
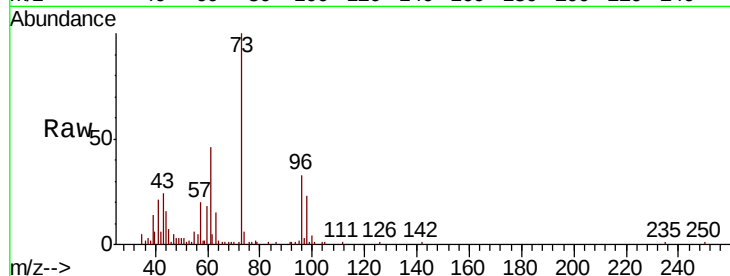




#17
Methvl tert-butvl Ether
Concen: 0.855 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

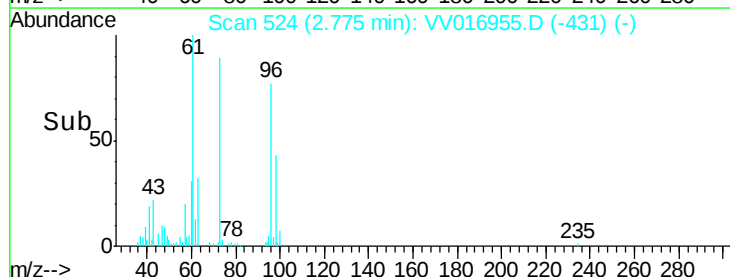
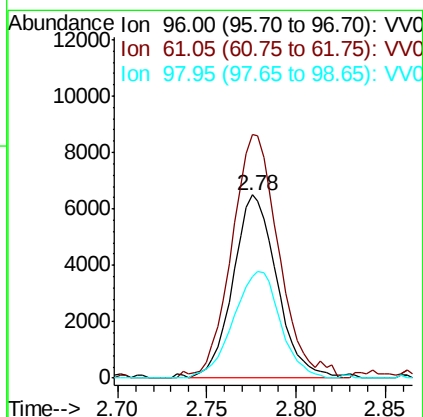
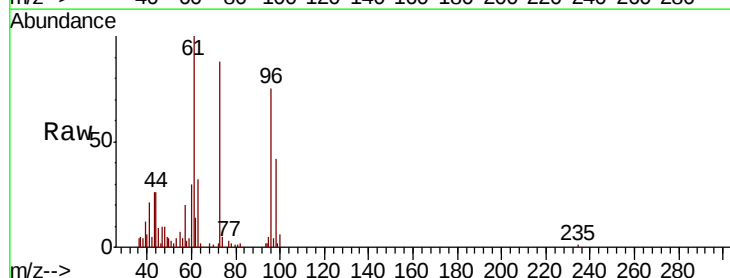
Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

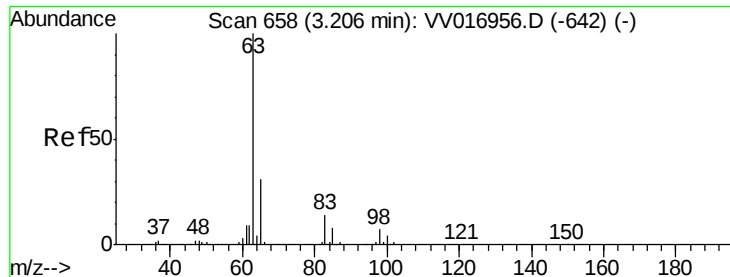
Tot Ion: 73 Resp: 25445
Ion Ratio Lower Upper
73 100
43 22.8 18.6 28.0
57 21.5 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 0.840 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

Tgt Ion: 96 Resp: 11174
Ion Ratio Lower Upper
96 100
61 132.8 102.3 189.9
98 55.6 44.7 82.9

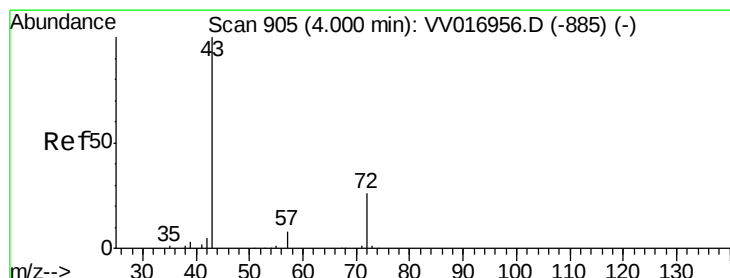
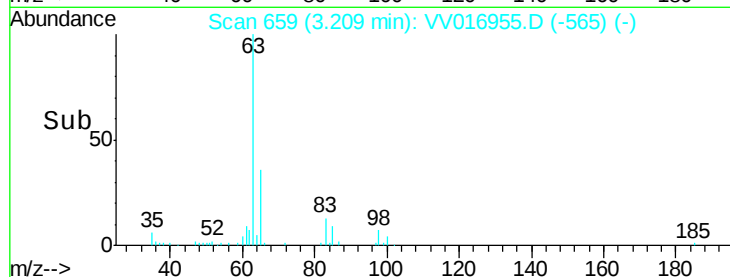
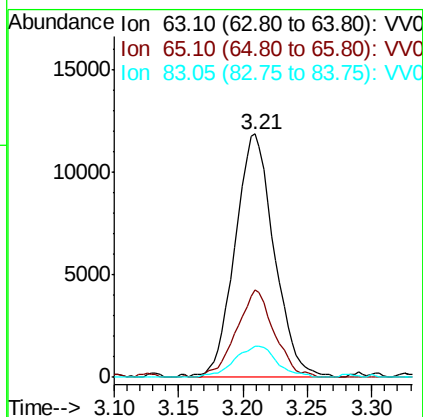
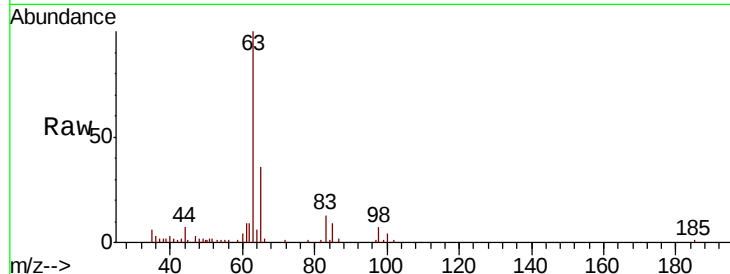




#19
 1,1-Dichloroethane
 Concen: 0.935 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016955.D
 Acq: 17 Jun 2020 09:50

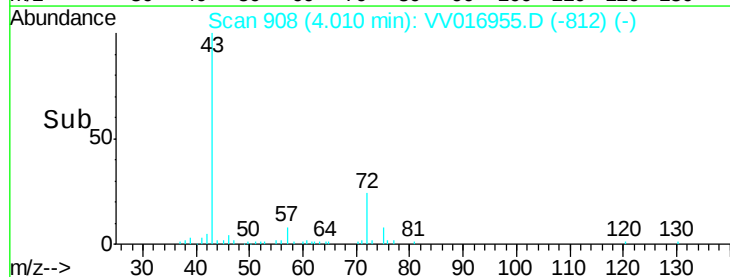
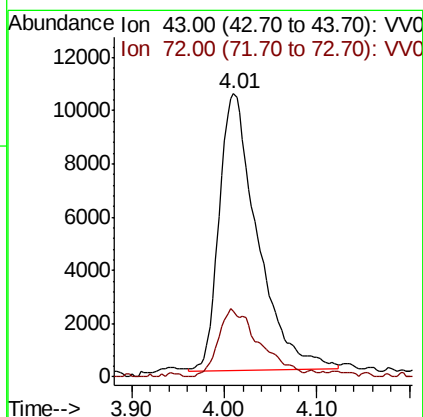
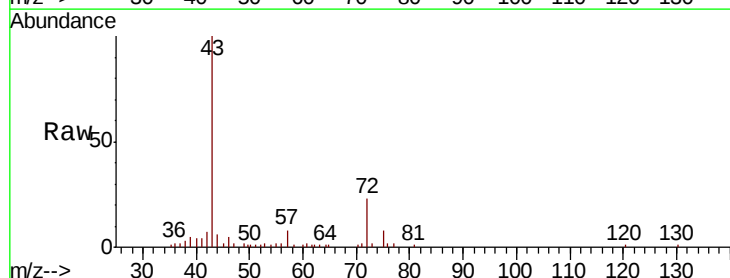
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

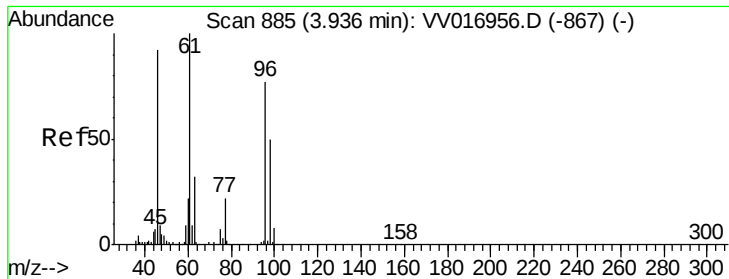
Tot Ion: 63 Resp: 25046
 Ion Ratio Lower Upper
 63 100
 65 36.0 21.8 40.4
 83 12.8 9.7 17.9



#21
 2-Butanone
 Concen: 8.153 ug/L
 RT: 4.01 min Scan# 908
 Delta R.T. 0.01 min
 Lab File: VV016955.D
 Acq: 17 Jun 2020 09:50

Tgt Ion: 43 Resp: 29992
 Ion Ratio Lower Upper
 43 100
 72 26.6 12.4 37.4



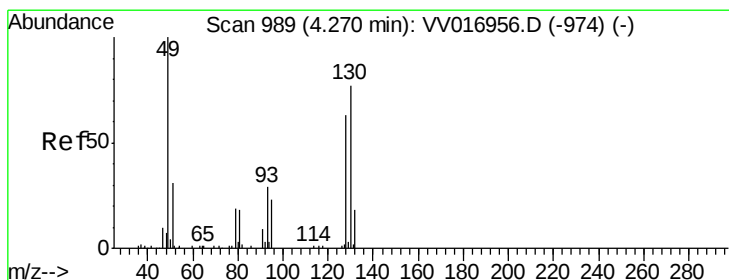
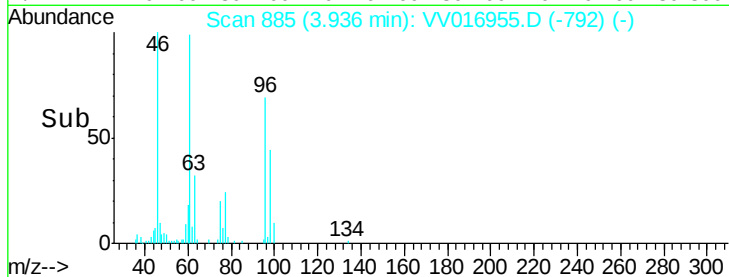
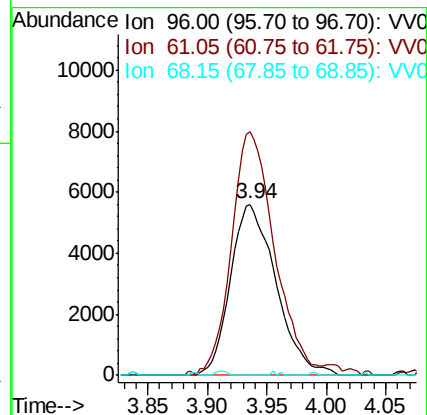
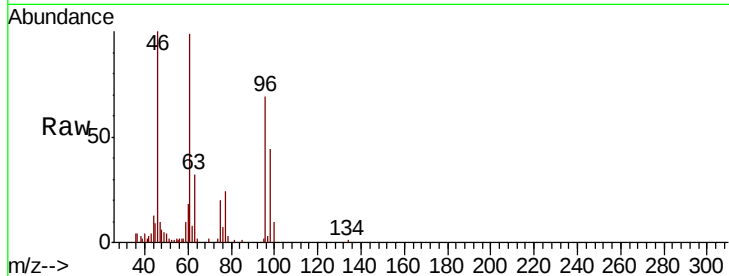


#22

cis-1,2-Dichloroethene
 Concen: 0.972 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV016955.D
 Acq: 17 Jun 2020 09:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

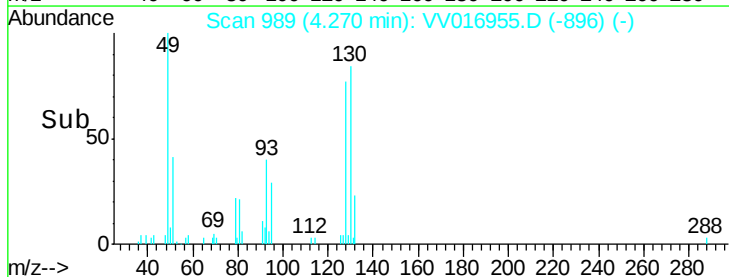
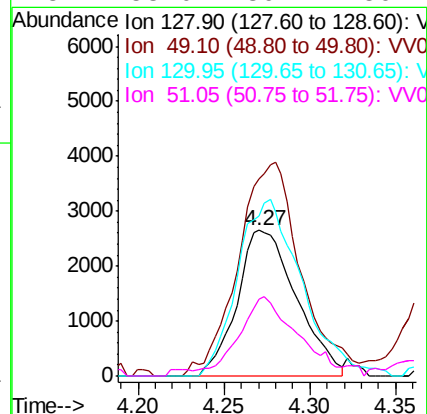
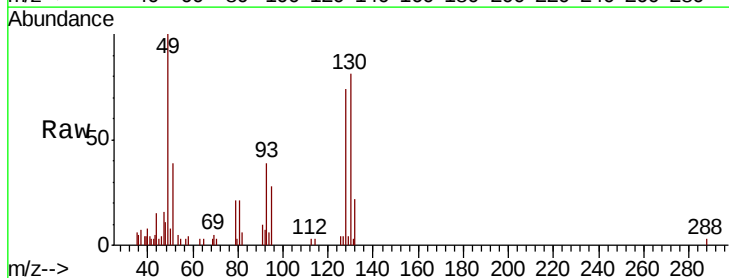
Tot Ion: 96 Resp: 14871
 Ion Ratio Lower Upper
 96 100
 61 142.2 91.0 169.0
 68 0.0 0.0 0.0

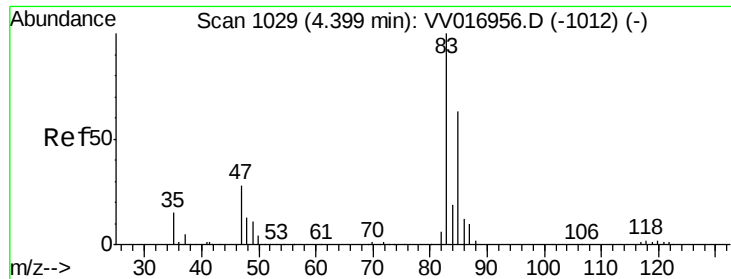


#23

Bromochloromethane
 Concen: 1.053 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VV016955.D
 Acq: 17 Jun 2020 09:50

Tgt Ion: 128 Resp: 6377
 Ion Ratio Lower Upper
 128 100
 49 146.0 110.8 205.8
 130 109.9 86.0 159.8
 51 53.0 39.4 59.2

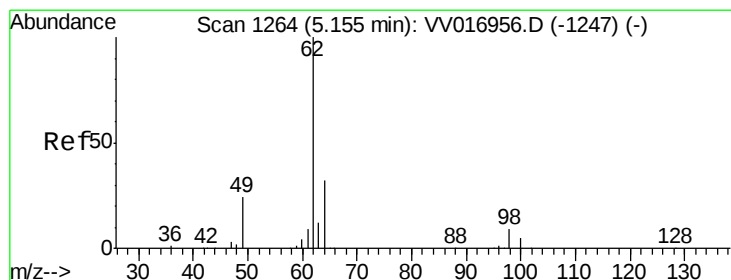
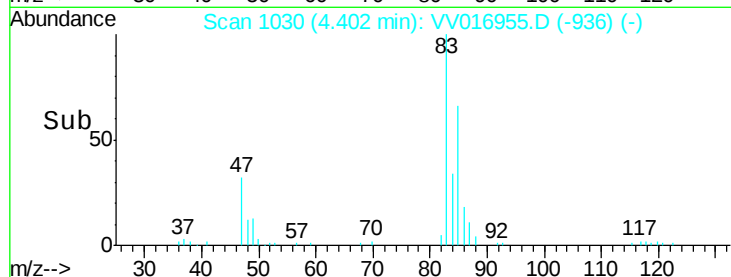
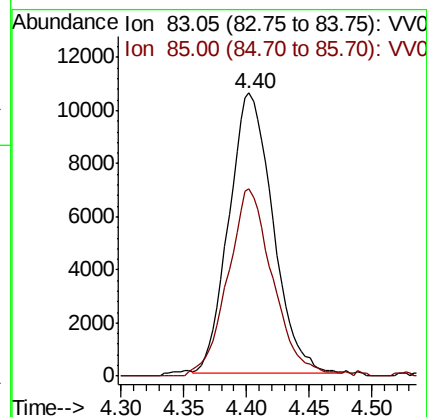
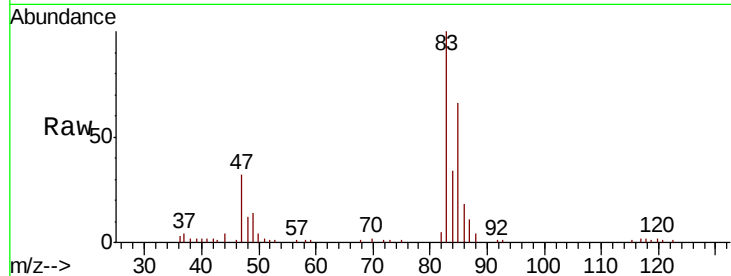




#25
Chloroform
Concen: 0.942 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

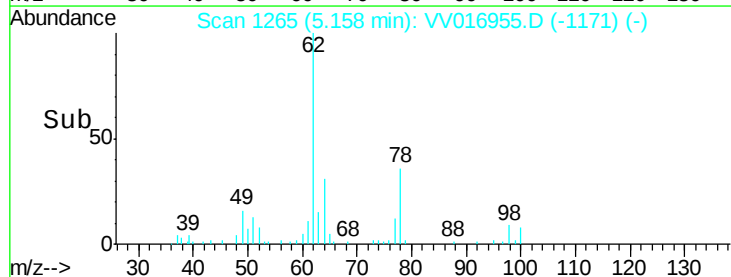
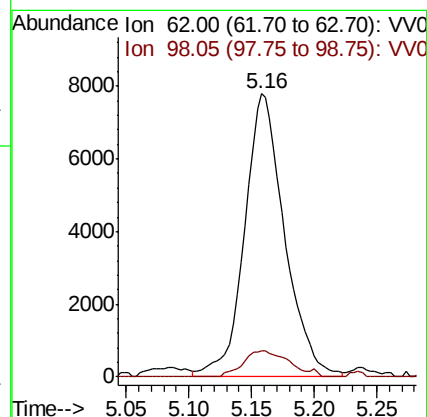
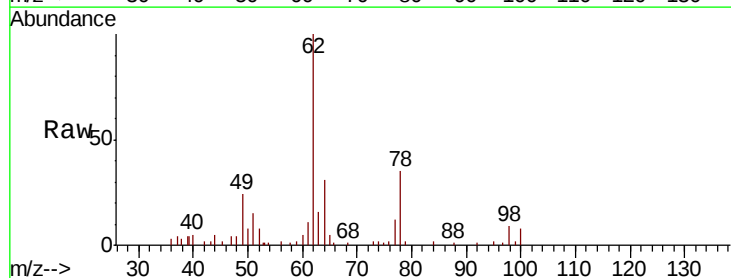
Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

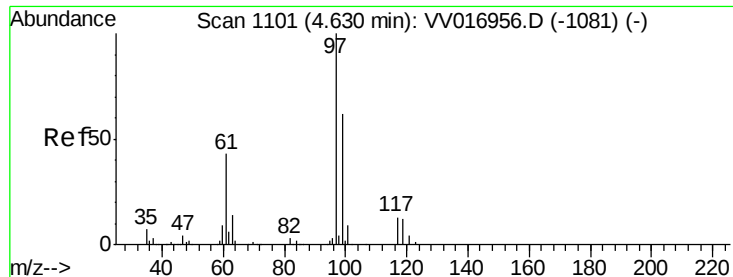
Tot Ion: 83 Resp: 25762
Ion Ratio Lower Upper
83 100
85 66.3 44.2 82.2



#27
1,2-Dichloroethane
Concen: 0.979 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

Tgt Ion: 62 Resp: 17347
Ion Ratio Lower Upper
62 100
98 9.1 6.7 10.1

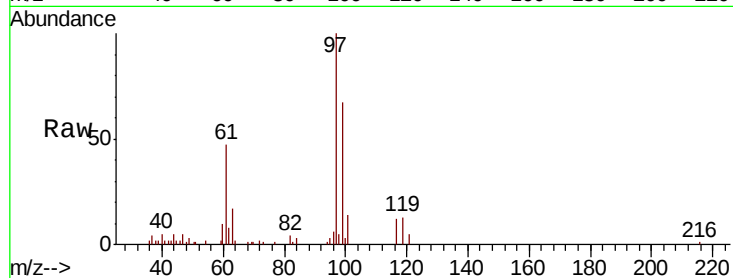




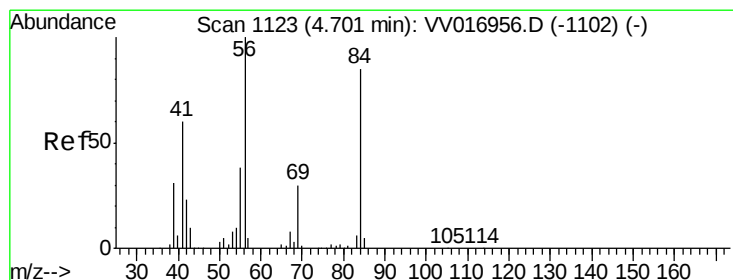
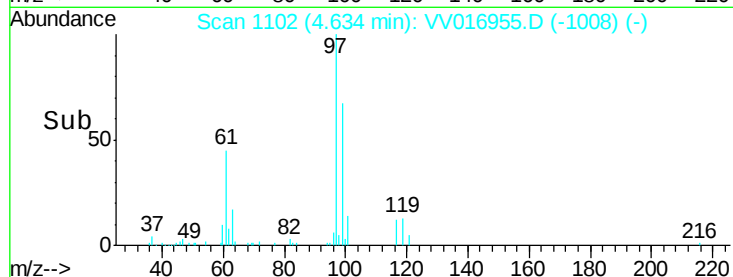
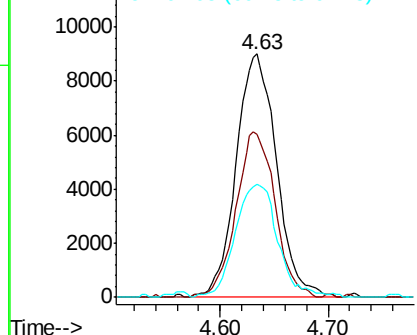
#29
1,1,1-Trichloroethane
Concen: 1.020 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Tot Ion: 97 Resp: 23414
Ion Ratio Lower Upper
97 100
99 65.6 50.3 75.5
61 48.9 36.0 54.0

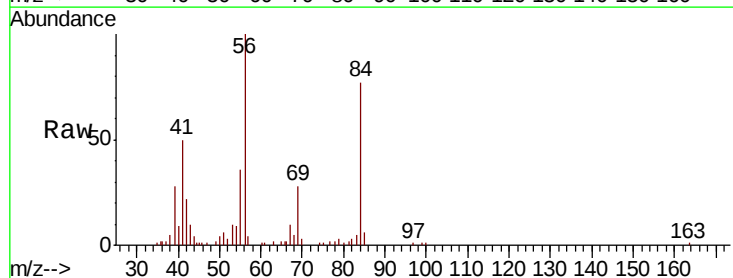


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

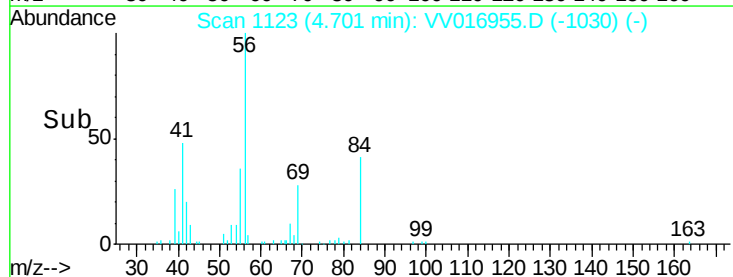
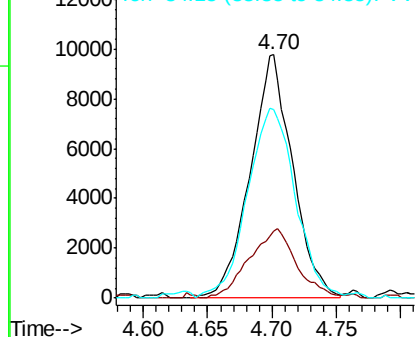


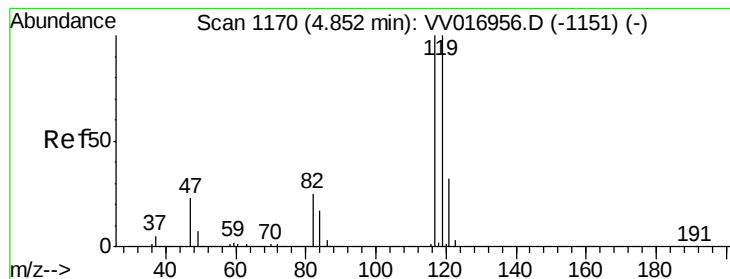
#30
Cyclohexane
Concen: 0.933 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

Tgt Ion: 56 Resp: 22421
Ion Ratio Lower Upper
56 100
69 31.8 24.4 36.6
84 87.8 69.9 104.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 1.101 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

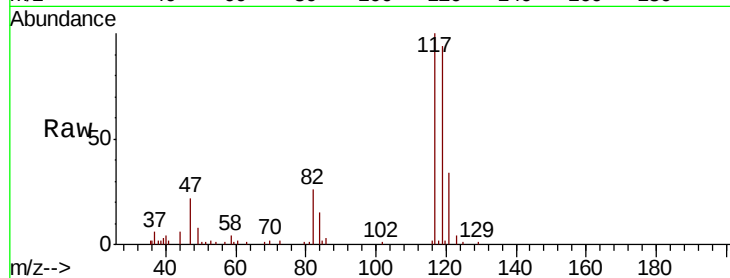
VSTD00135

Tot Ion:117 Resp: 21844

Ion Ratio Lower Upper

117 100

119 91.4 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.85

10000

8000

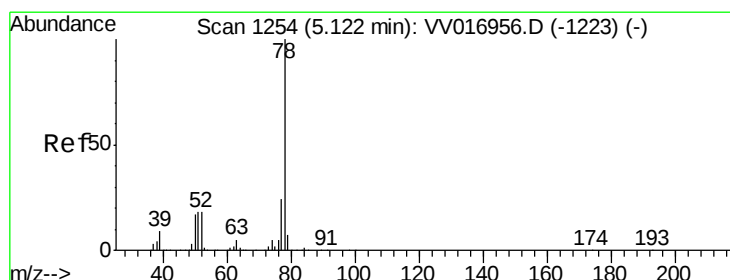
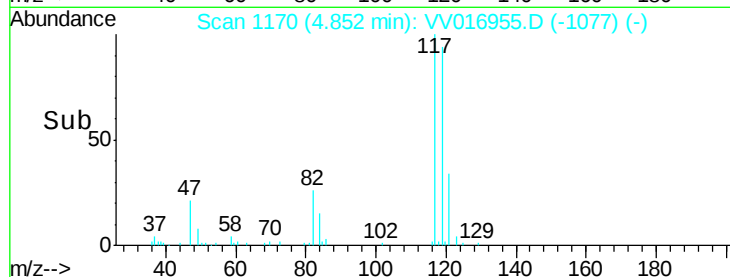
6000

4000

2000

0

Time--> 4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 0.919 ug/L

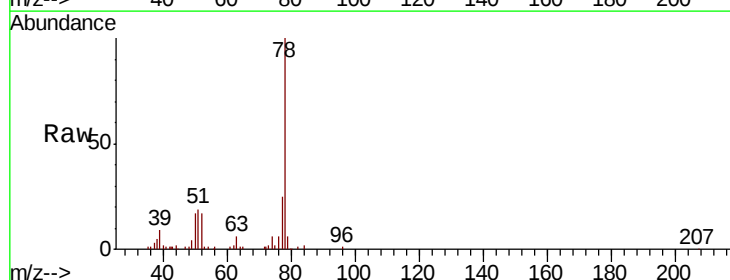
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

Tgt Ion: 78 Resp: 51821



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.13

25000

20000

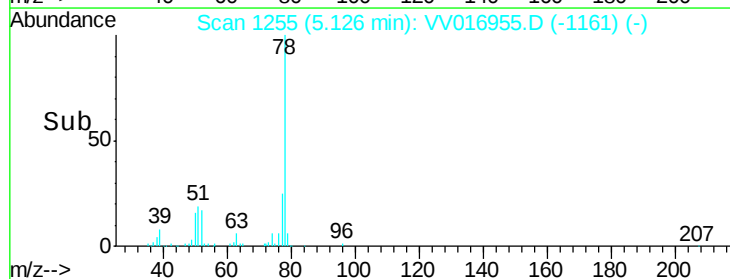
15000

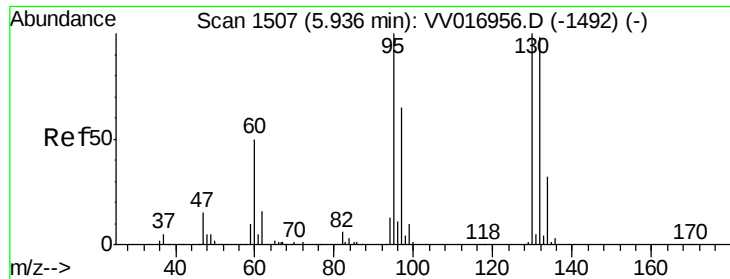
10000

5000

0

Time--> 5.00 5.10 5.20

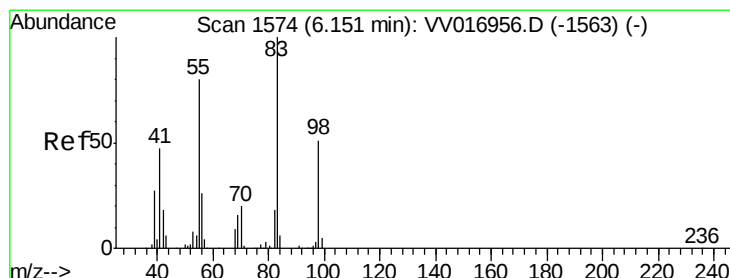
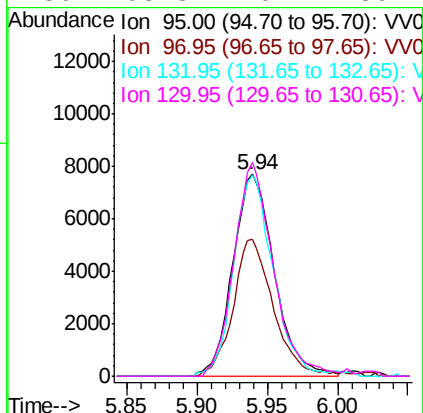
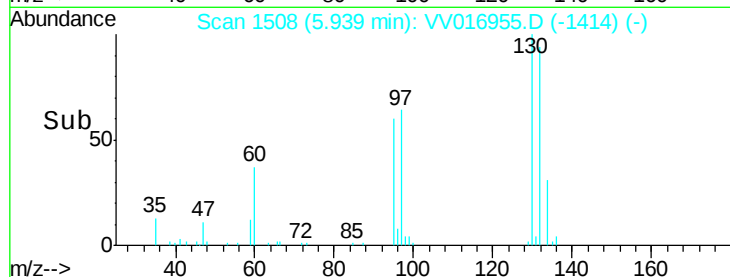
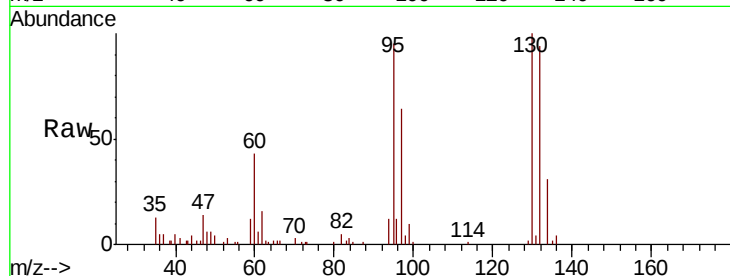




#34
 Trichloroethene
 Concen: 1.058 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV016955.D
 Acq: 17 Jun 2020 09:50

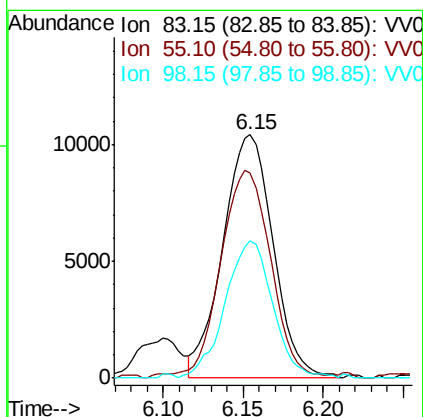
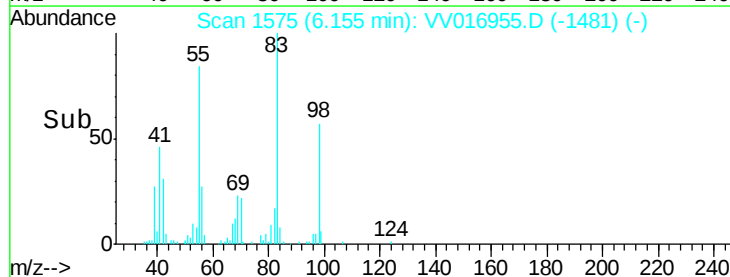
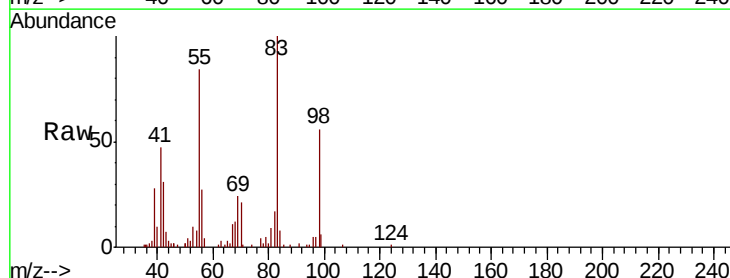
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

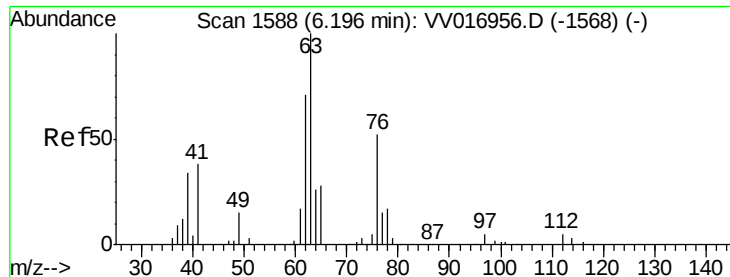
Tot Ion:	95	Resp:	15887
Ion	Ratio	Lower	Upper
95	100		
97	68.1	45.3	84.1
132	99.6	68.8	127.8
130	105.8	70.2	130.4



#35
 Methylcyclohexane
 Concen: 0.930 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016955.D
 Acq: 17 Jun 2020 09:50

Tgt Ion:	83	Resp:	22416
Ion	Ratio	Lower	Upper
83	100		
55	85.5	63.6	95.4
98	53.4	38.8	58.2





#37

1,2-Dichloropropane

Concen: 0.914 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

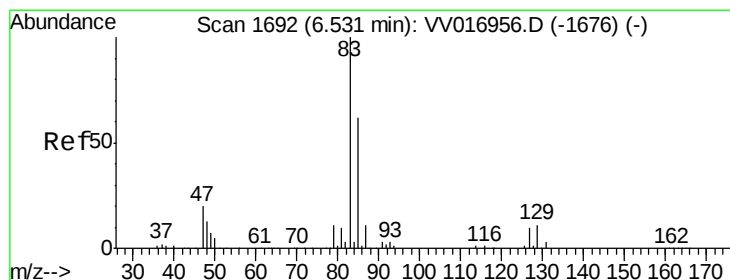
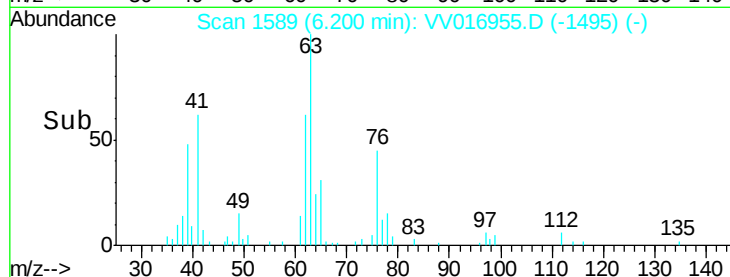
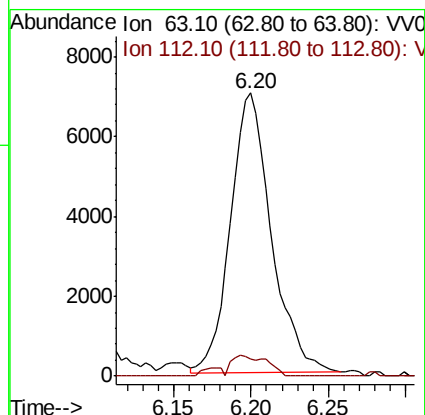
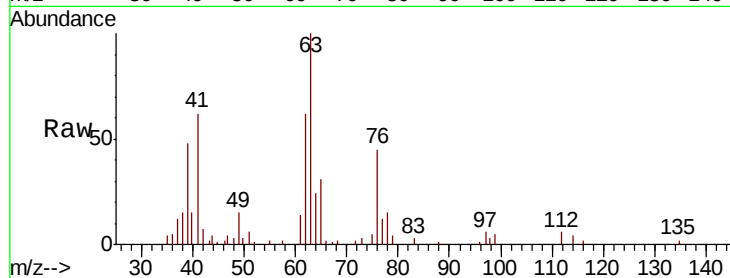
VSTD00135

Tot Ion: 63 Resp: 12862

Ion Ratio Lower Upper

63 100

112 6.3 4.4 6.6



#38

Bromodichloromethane

Concen: 1.002 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

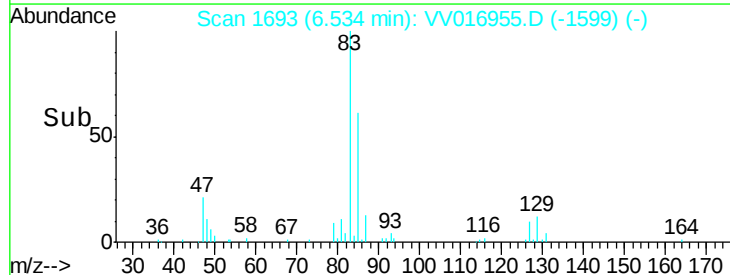
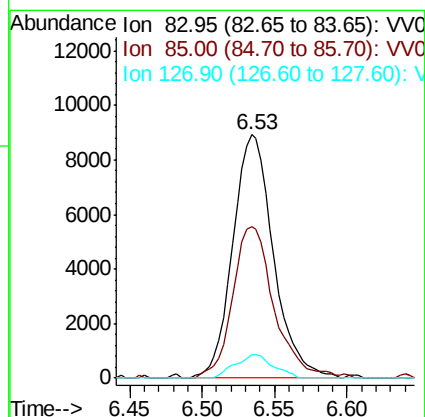
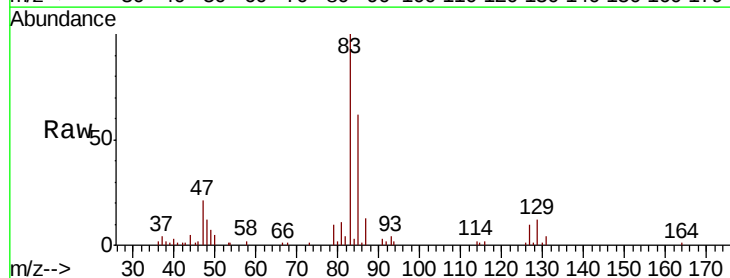
Tgt Ion: 83 Resp: 17395

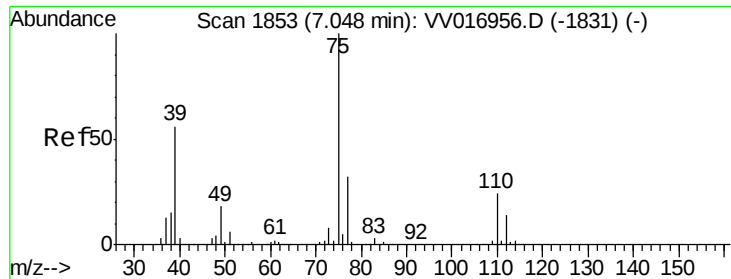
Ion Ratio Lower Upper

83 100

85 62.4 43.4 80.6

127 11.0 7.9 11.9

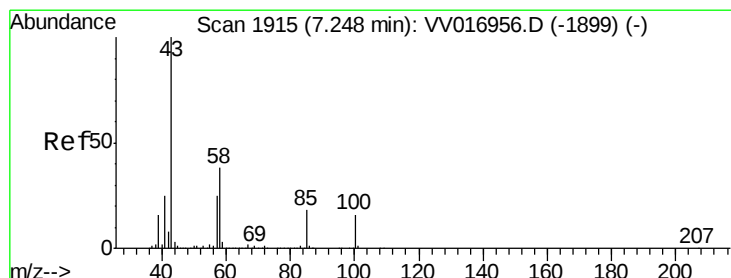
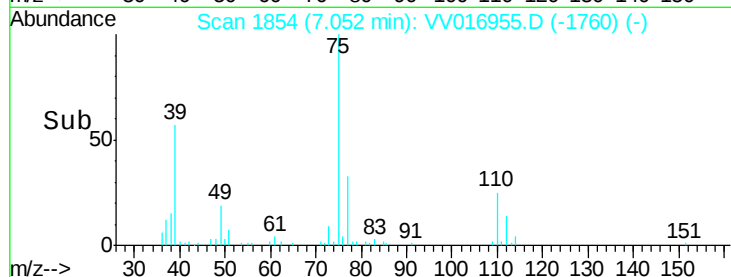
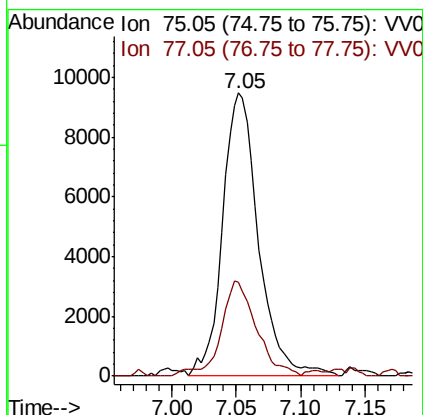
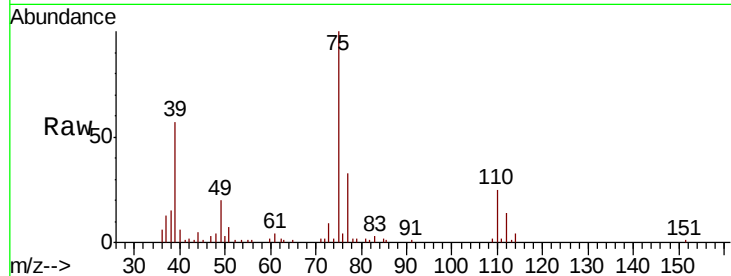




#39
 cis-1,3-Dichloropropene
 Concen: 0.956 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016955.D
 Acq: 17 Jun 2020 09:50

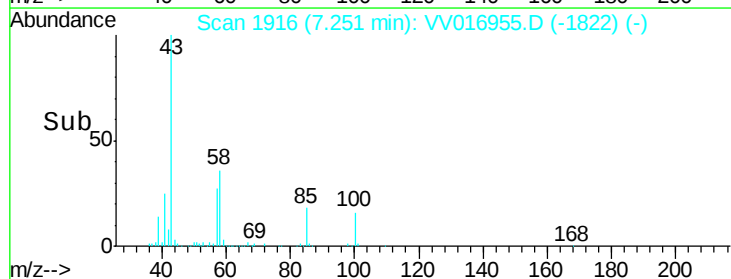
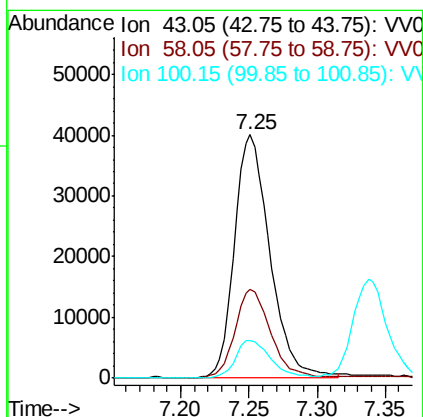
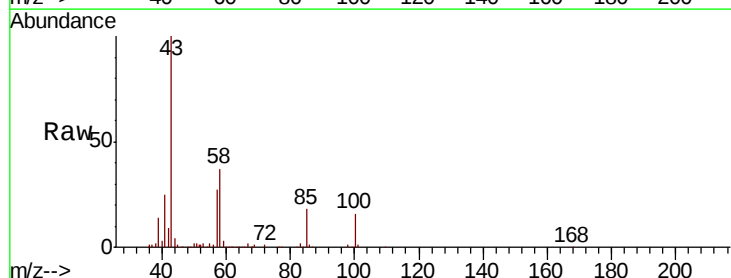
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00135

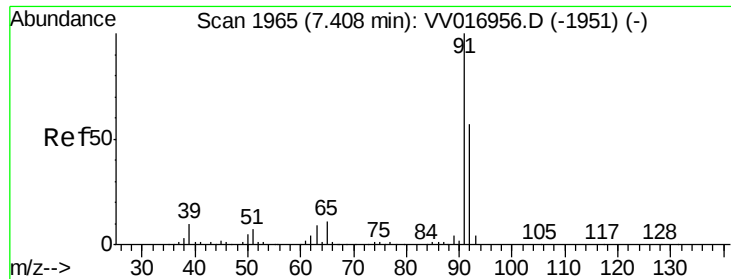
Tot Ion: 75 Resp: 18329
 Ion Ratio Lower Upper
 75 100
 77 33.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 8.557 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV016955.D
 Acq: 17 Jun 2020 09:50

Tgt Ion: 43 Resp: 72567
 Ion Ratio Lower Upper
 43 100
 58 36.6 30.4 45.6
 100 15.6 12.7 19.1





#42

Toluene

Concen: 0.974 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

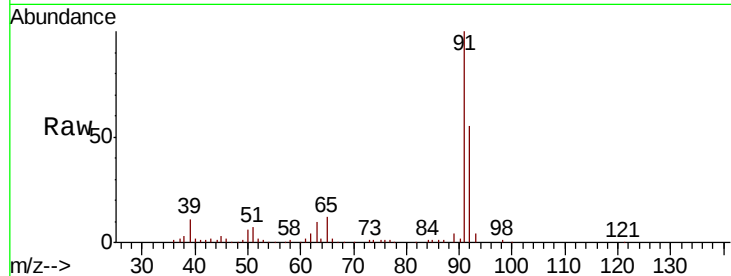
VSTD00135

Tot Ion: 91 Resp: 58563

Ion Ratio Lower Upper

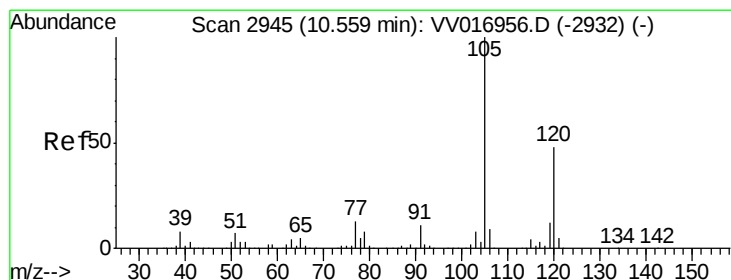
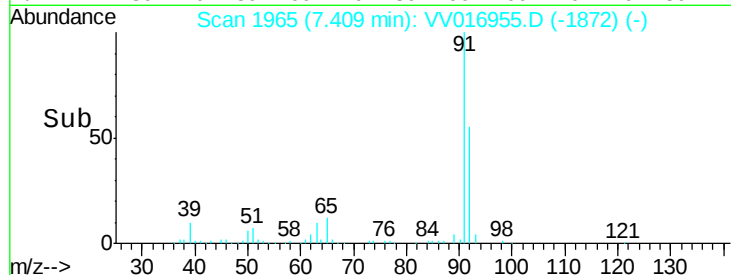
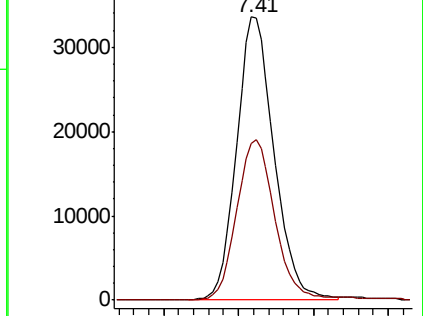
91 100

92 55.5 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV016956.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV016955.D (-1872) (-)



#43

1,3,5-Trimethylbenzene

Concen: 0.937 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016955.D

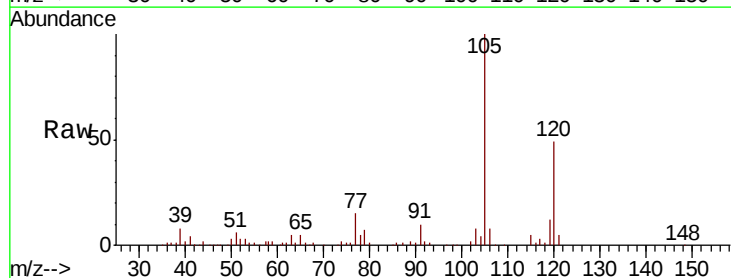
Acq: 17 Jun 2020 09:50

Tgt Ion:105 Resp: 50330

Ion Ratio Lower Upper

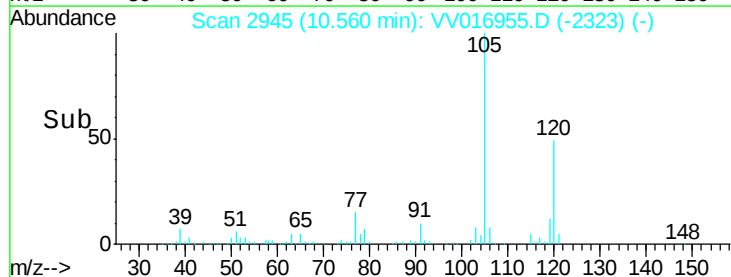
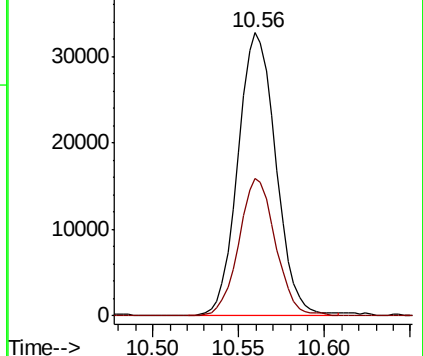
105 100

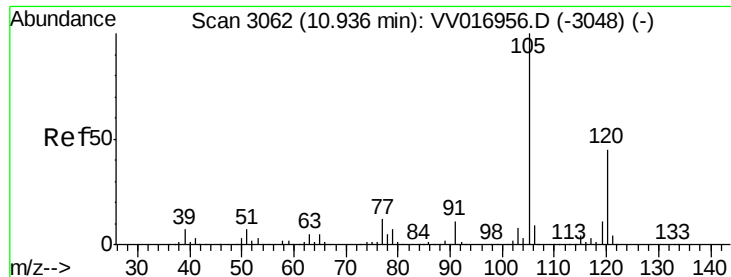
120 46.7 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV016956.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV016955.D (-2323) (-)

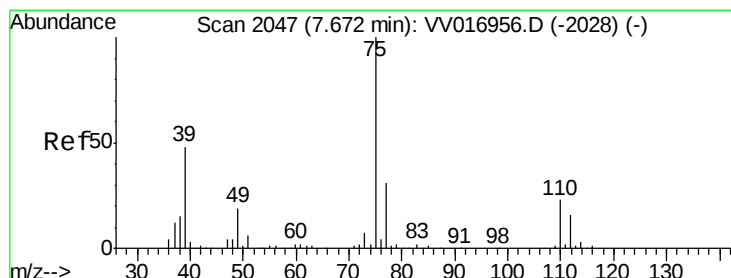
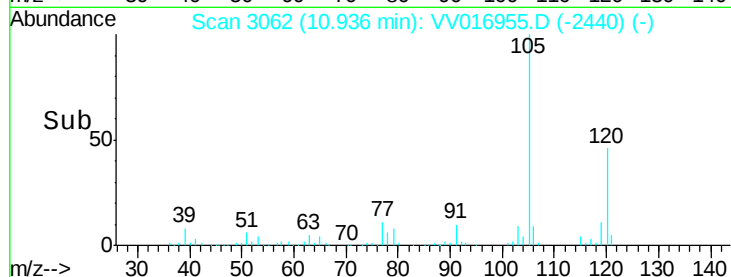
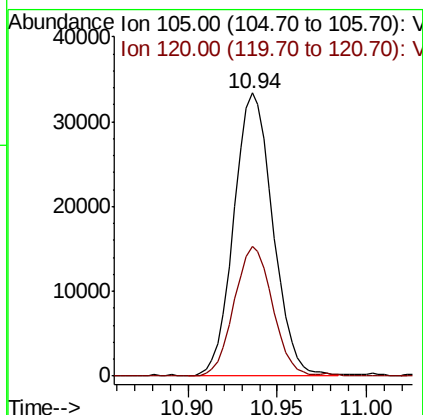
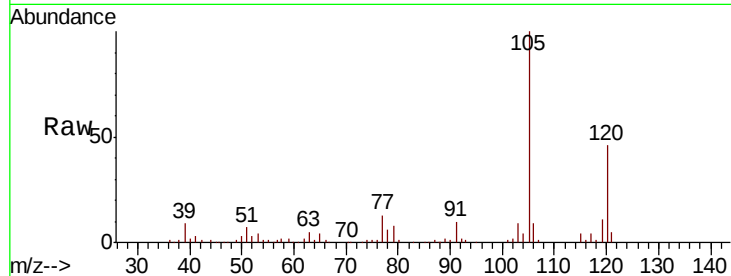




#44
1,2,4-Trimethylbenzene
Concen: 0.932 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

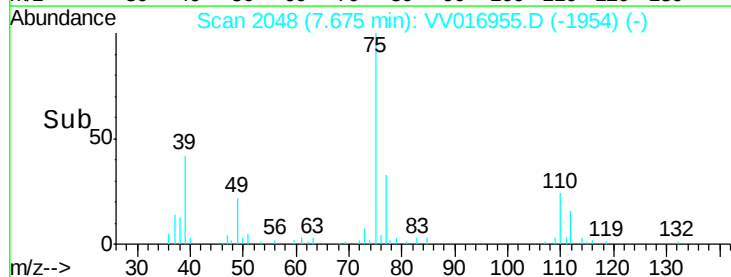
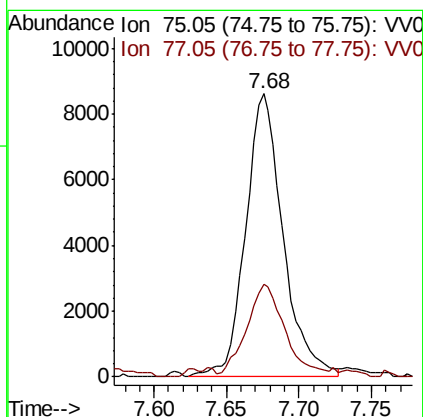
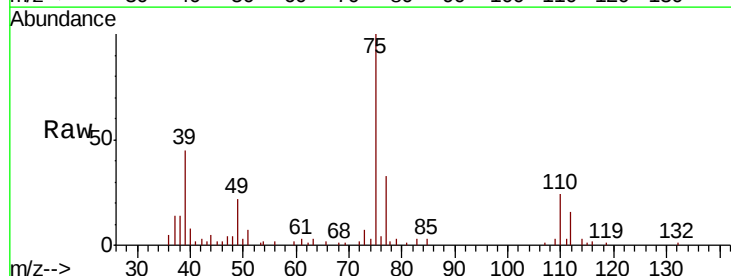
Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

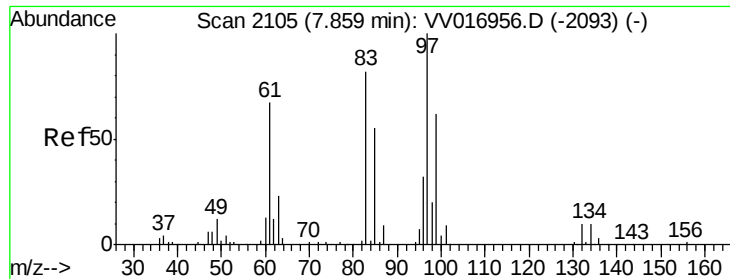
Tot Ion:105 Resp: 51271
Ion Ratio Lower Upper
105 100
120 44.8 35.8 53.8



#46
trans-1,3-Dichloropropene
Concen: 0.981 ug/L
RT: 7.68 min Scan# 2048
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

Tgt Ion: 75 Resp: 15558
Ion Ratio Lower Upper
75 100
77 32.7 22.3 41.3

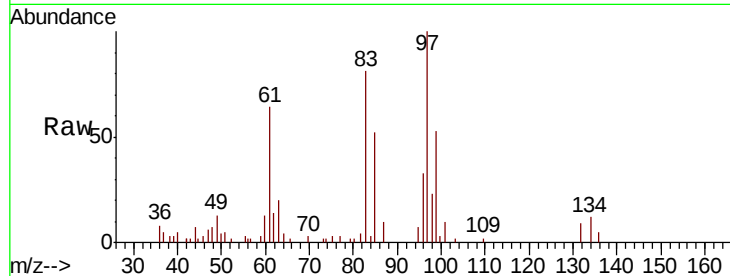




#47
1,1,2-Trichloroethane
Concen: 1.008 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Tot Ion:	97	Resp:	9314
Ion	Ratio	Lower	Upper
97	100		
99	56.8	43.6	81.0
83	81.0	57.4	106.6
85	52.2	38.8	72.0



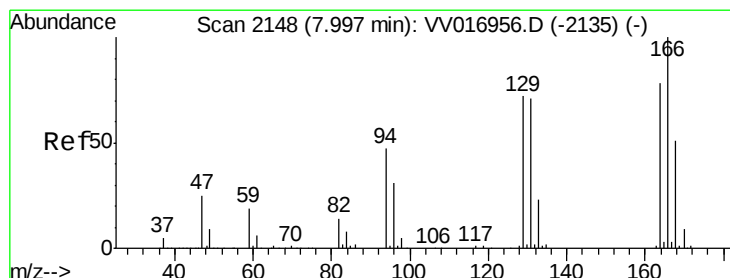
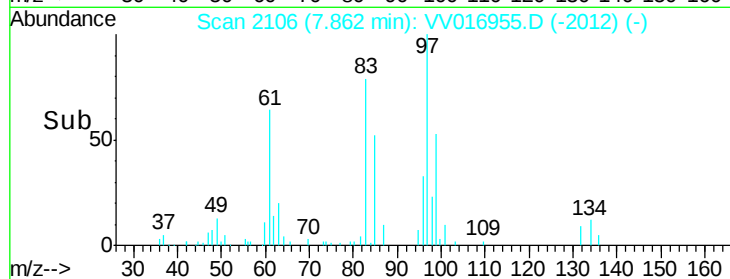
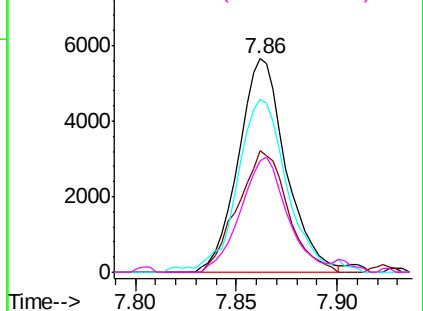
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

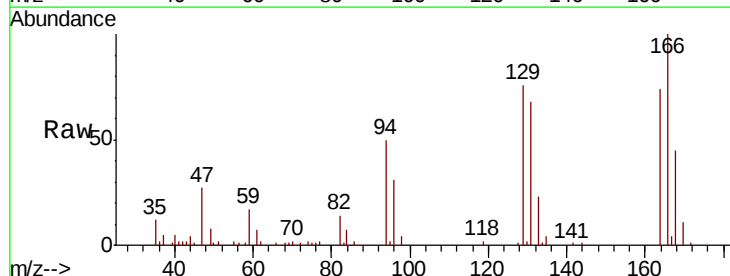
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#49
Tetrachloroethene
Concen: 1.083 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

Tgt Ion:	164	Resp:	12251
Ion	Ratio	Lower	Upper
164	100		
129	101.9	65.2	121.0
131	92.2	64.1	119.1
166	134.9	90.2	167.4



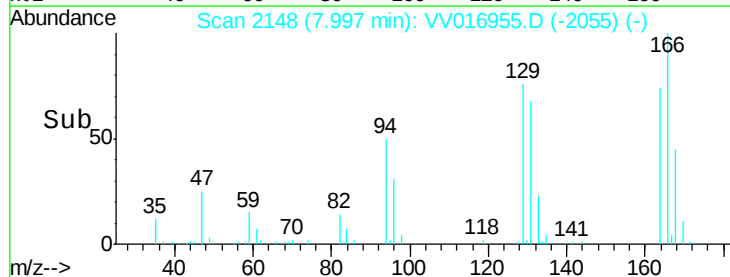
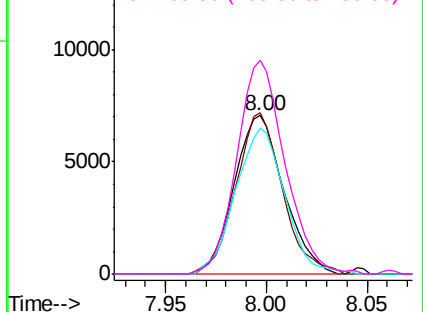
Abundance

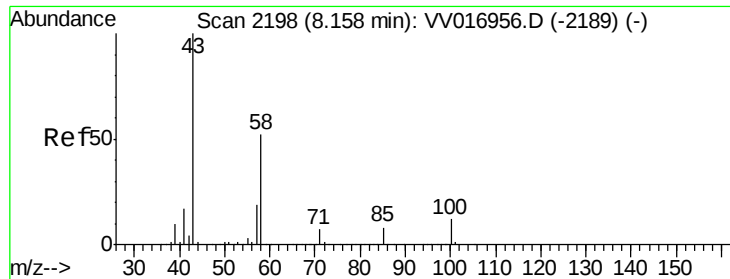
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

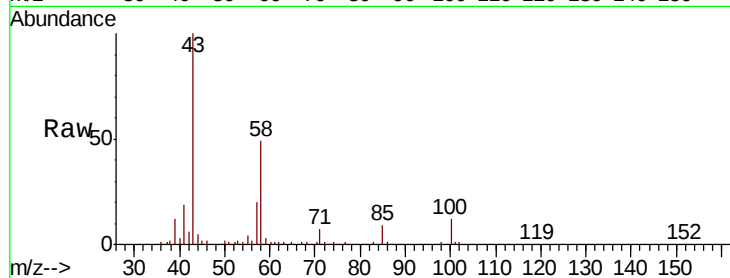




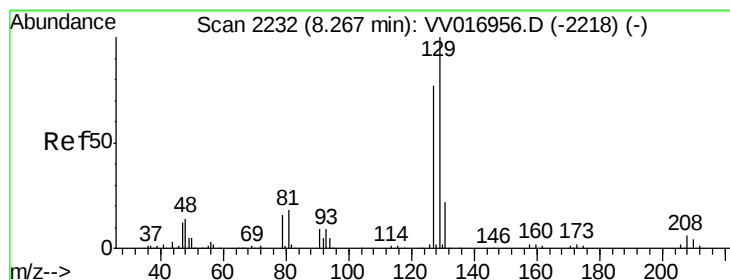
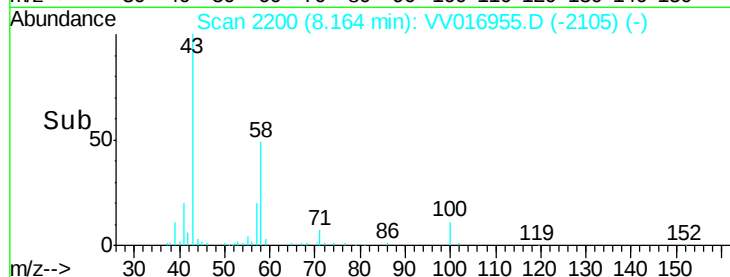
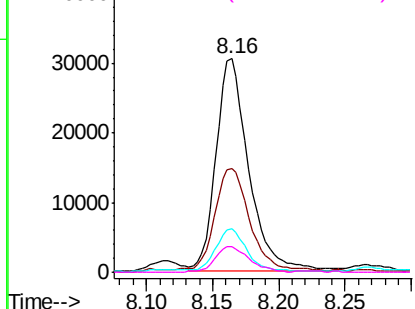
#50
2-Hexanone
Concen: 8.822 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Tot Ion: 43 Resp: 52239
Ion Ratio Lower Upper
43 100
58 50.8 41.6 62.4
57 20.3 15.4 23.0
100 12.4 10.1 15.1

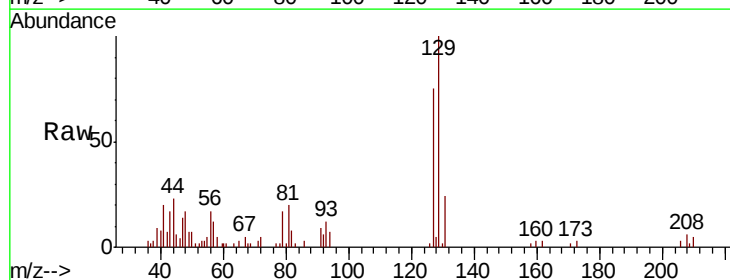


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

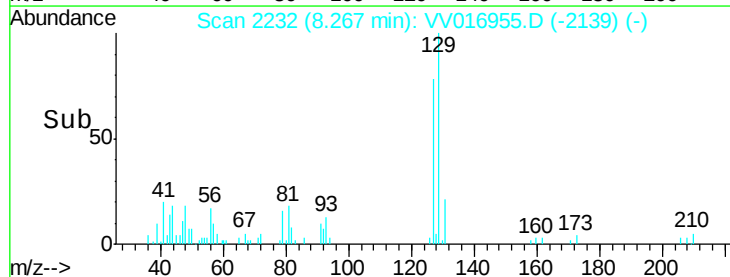
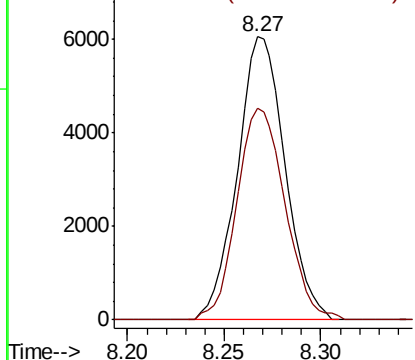


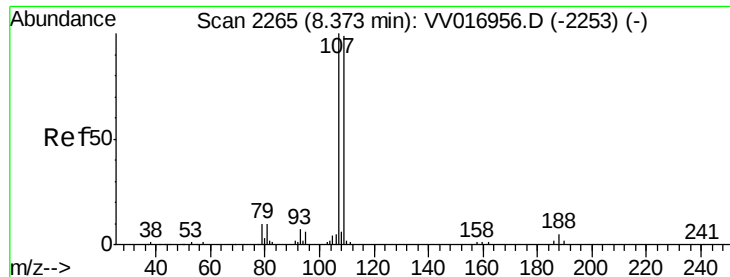
#51
Dibromochloromethane
Concen: 1.039 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

Tgt Ion: 129 Resp: 10416
Ion Ratio Lower Upper
129 100
127 74.8 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#52

1,2-Dibromoethane

Concen: 1.002 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

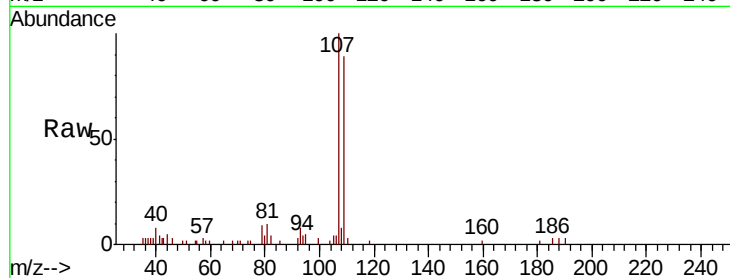
Tot Ion:107 Resp: 8725

Ion Ratio Lower Upper

107 100

109 88.8 69.4 128.8

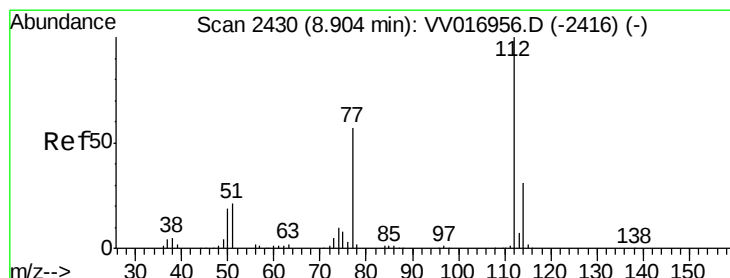
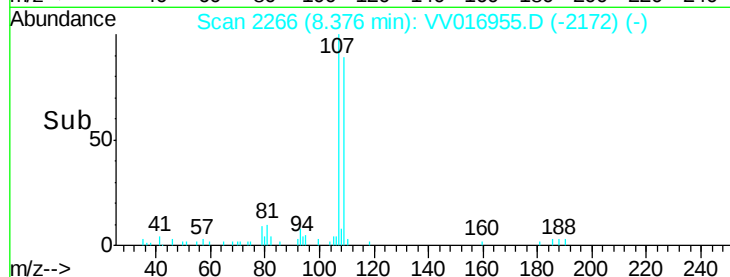
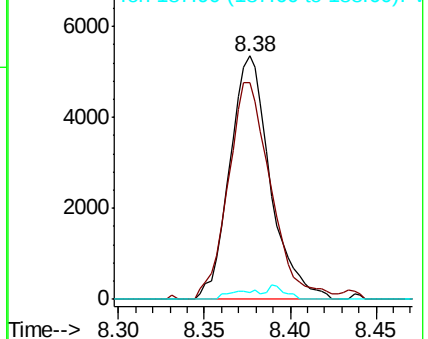
188 2.7 3.9 5.9#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 1.002 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

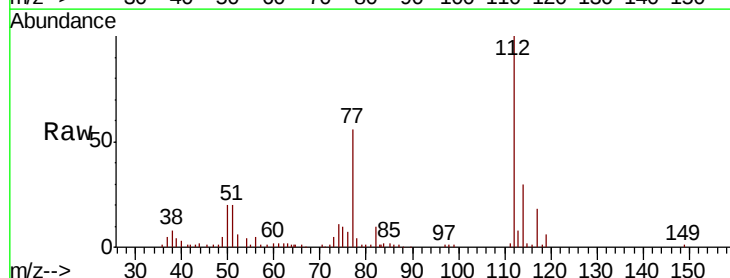
Tgt Ion:112 Resp: 38244

Ion Ratio Lower Upper

112 100

114 30.1 22.0 41.0

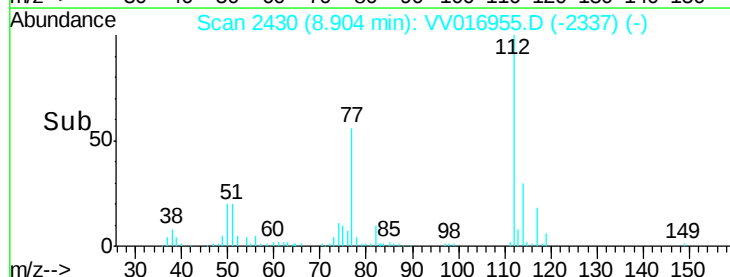
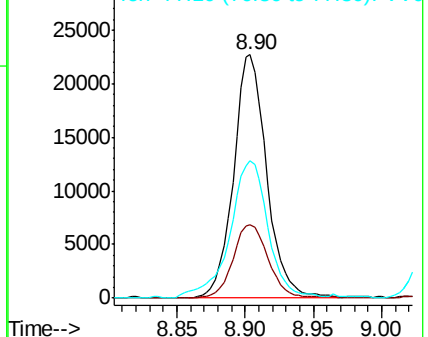
77 56.3 46.0 69.0

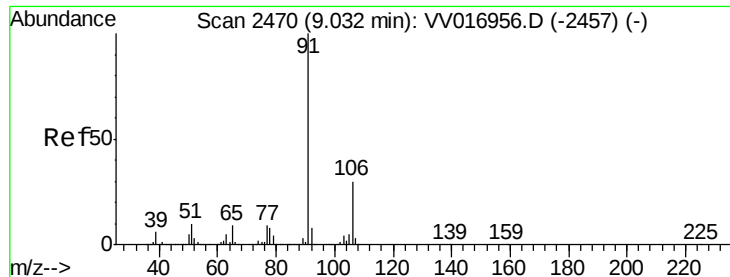


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#54

Ethylbenzene

Concen: 0.910 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

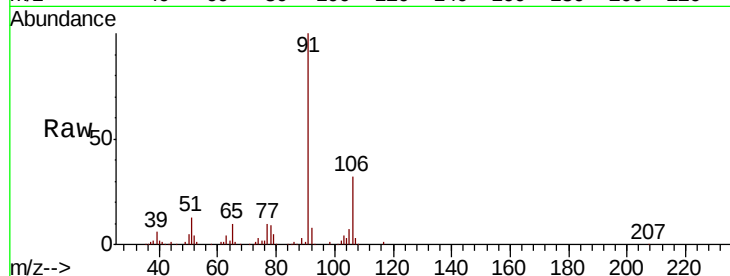
VSTD00135

Tot Ion: 91 Resp: 60640

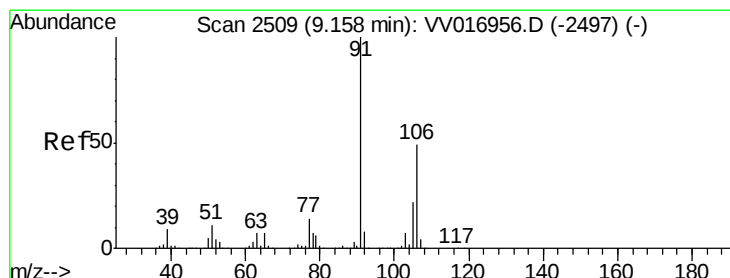
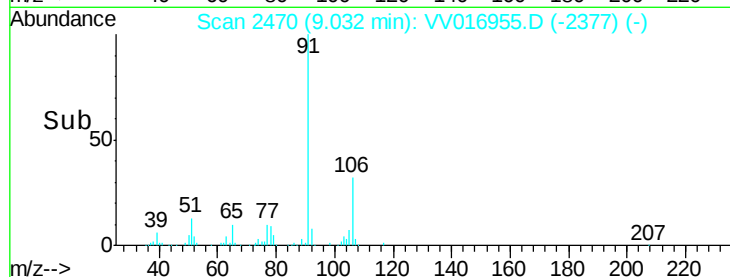
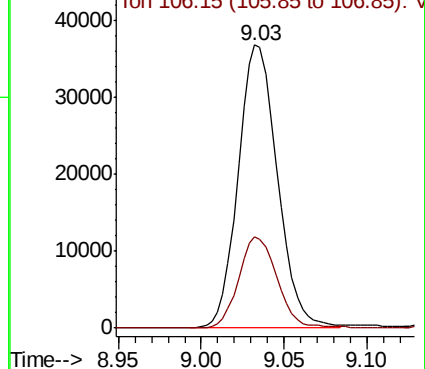
Ion Ratio Lower Upper

91 100

106 32.2 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV016955.D (-2377) (-)



#55

m,p-xylene

Concen: 0.957 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016955.D

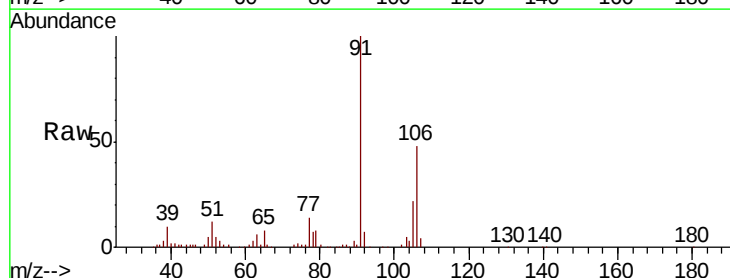
Acq: 17 Jun 2020 09:50

Tgt Ion: 106 Resp: 23967

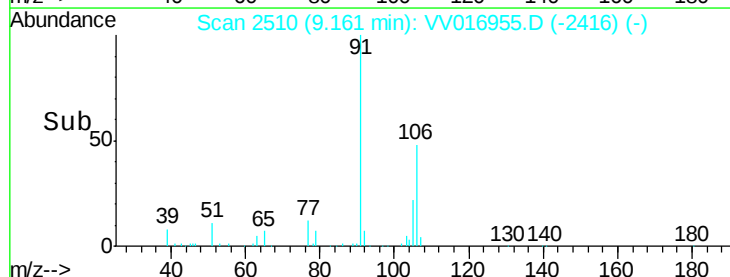
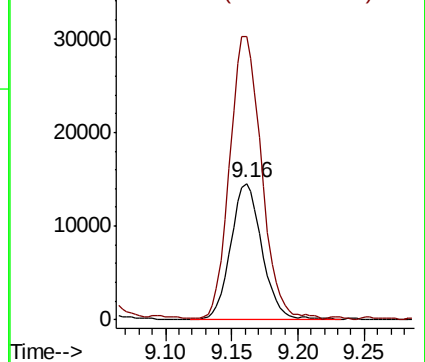
Ion Ratio Lower Upper

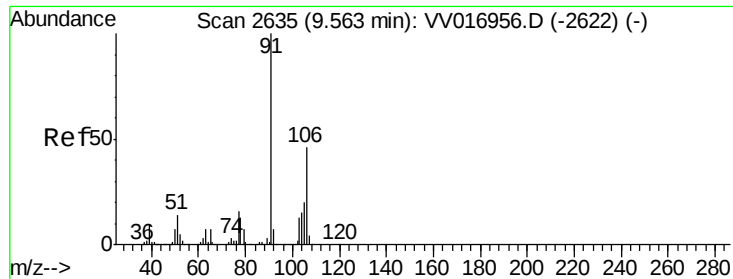
106 100

91 207.6 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): VV016955.D (-2416) (-)

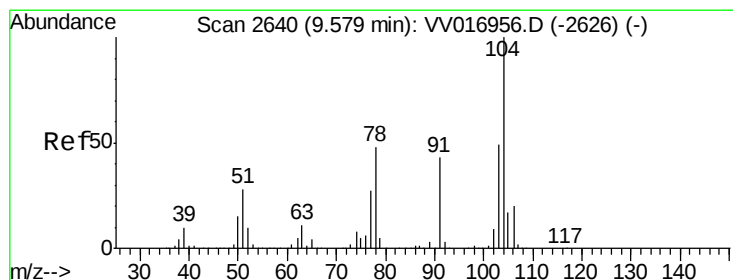
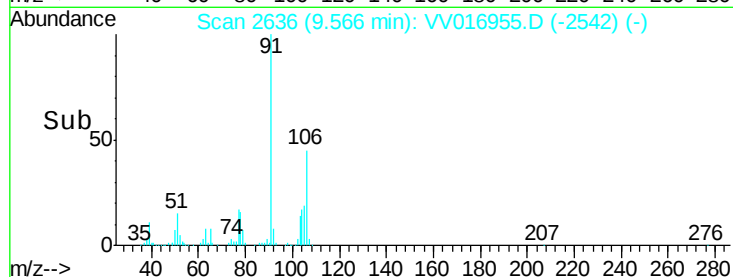
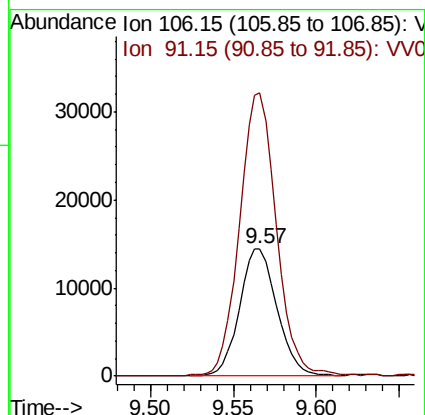
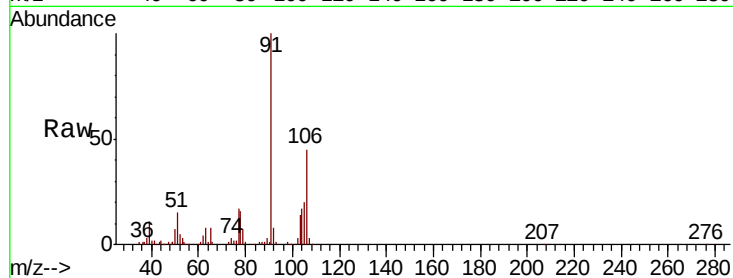




#56
o-xylene
Concen: 0.966 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

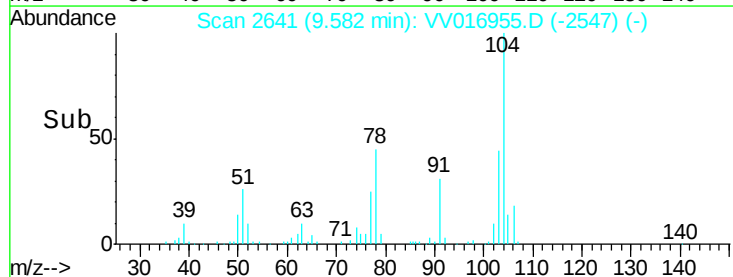
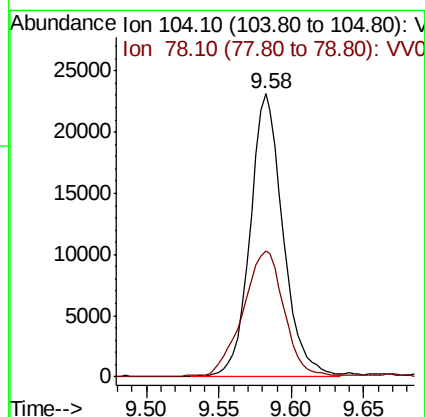
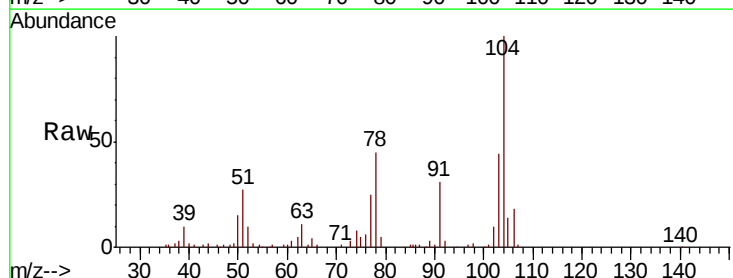
Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

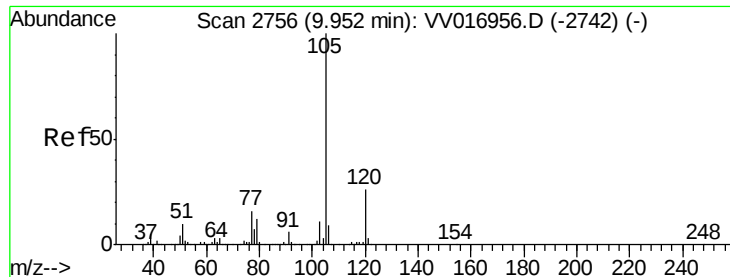
Tot Ion:106 Resp: 22742
Ion Ratio Lower Upper
106 100
91 222.0 153.6 285.2



#57
Styrene
Concen: 0.917 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016955.D
Acq: 17 Jun 2020 09:50

Tgt Ion:104 Resp: 36641
Ion Ratio Lower Upper
104 100
78 44.5 33.9 62.9





#58

Isopropylbenzene

Concen: 0.961 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

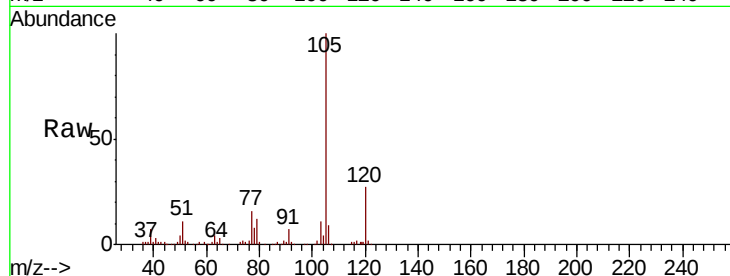
Tot Ion:105 Resp: 62102

Ion Ratio Lower Upper

105 100

120 27.3 21.2 31.8

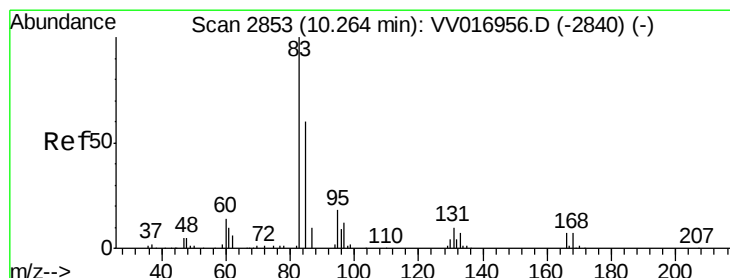
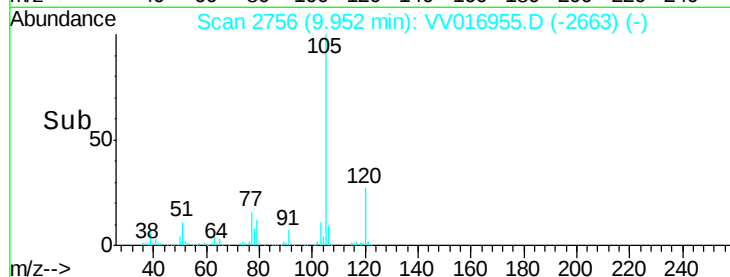
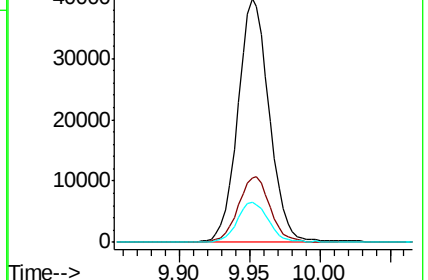
77 16.5 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 0.776 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

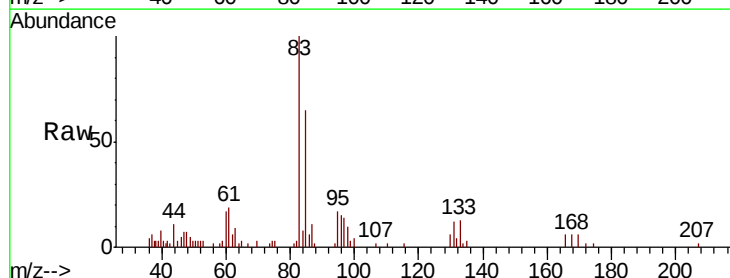
Tgt Ion: 83 Resp: 8784

Ion Ratio Lower Upper

83 100

85 65.4 42.9 79.7

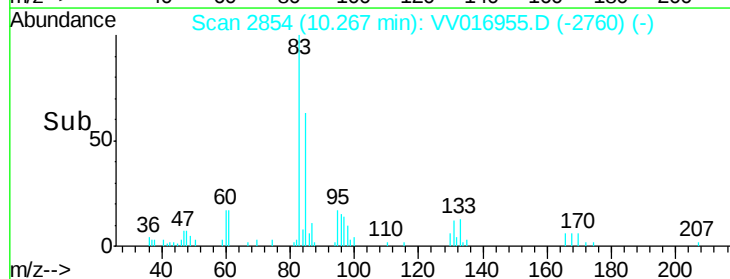
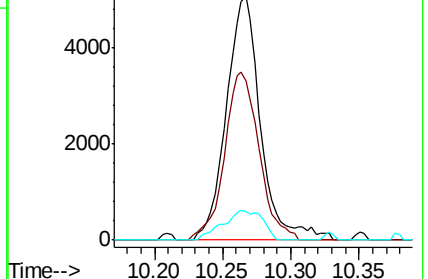
131 11.5 8.6 13.0

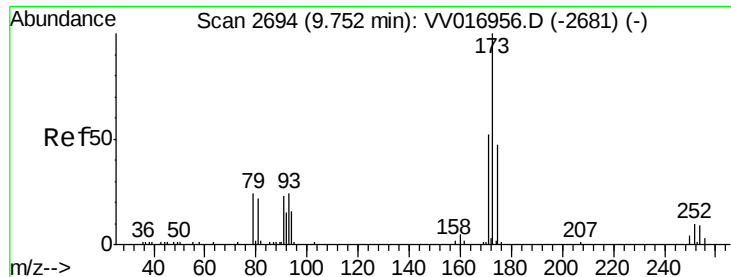


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 1.177 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

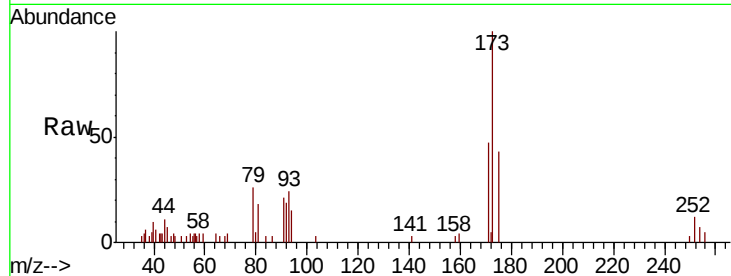
Tot Ion:173 Resp: 5319

Ion Ratio Lower Upper

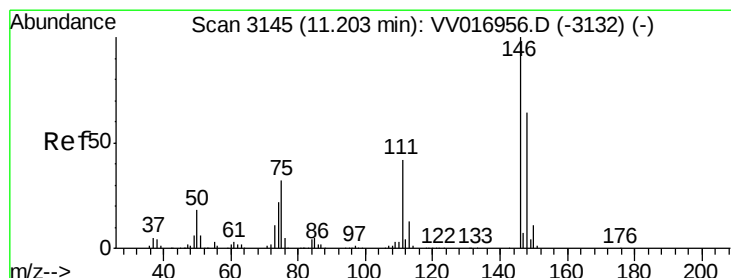
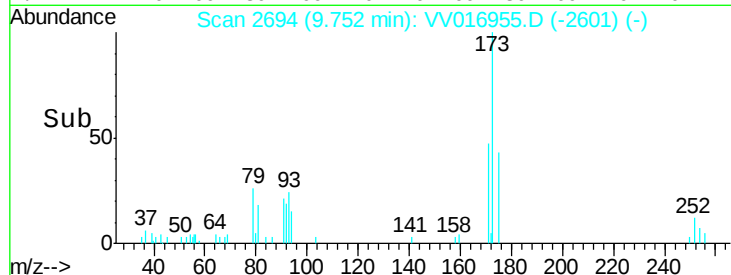
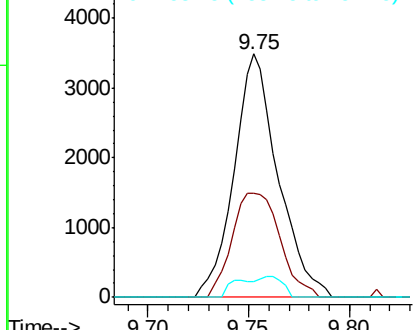
173 100

175 46.8 39.4 59.2

254 5.5 7.4 11.2#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 1.018 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

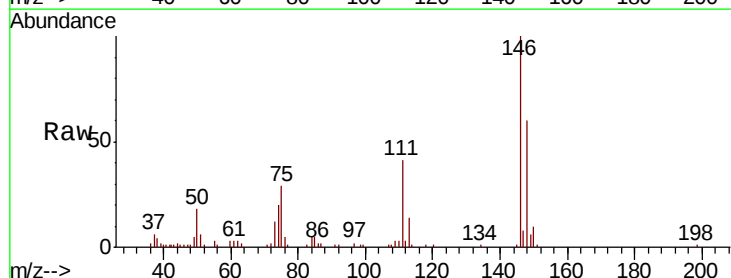
Tgt Ion:146 Resp: 31610

Ion Ratio Lower Upper

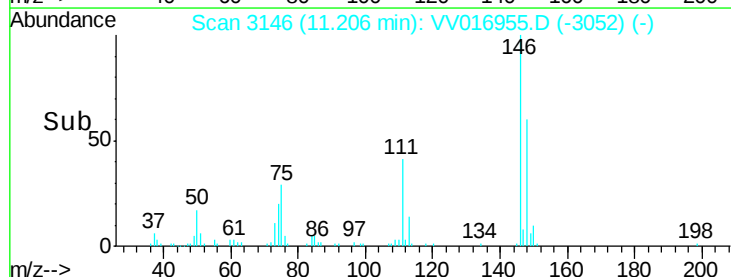
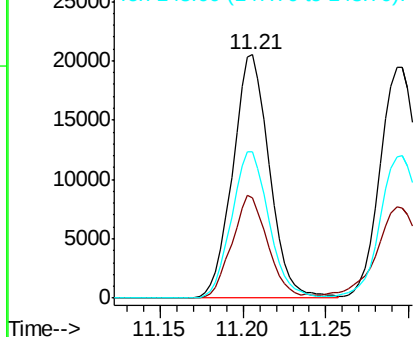
146 100

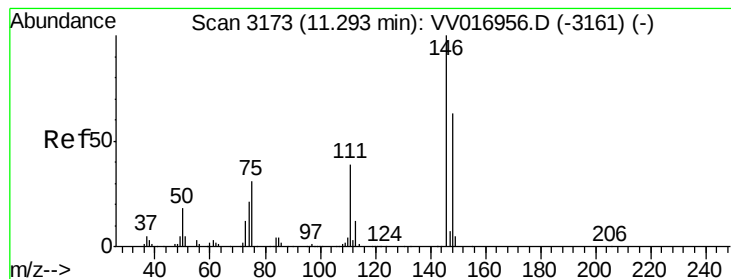
111 41.1 29.2 54.2

148 60.1 44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 1.013 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

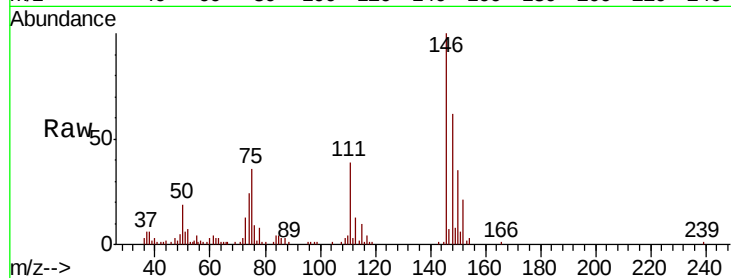
Tot Ion:146 Resp: 32515

Ion Ratio Lower Upper

146 100

111 39.1 27.4 50.8

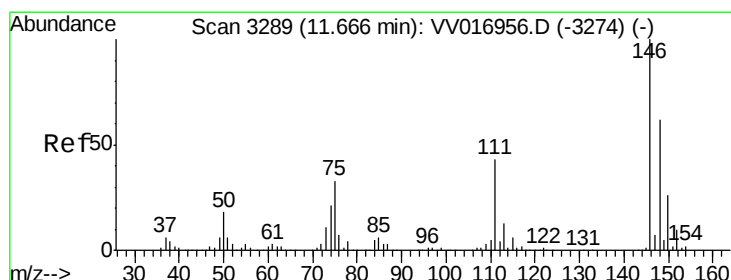
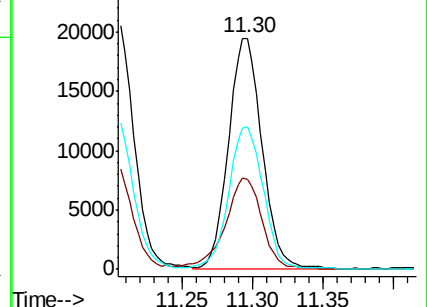
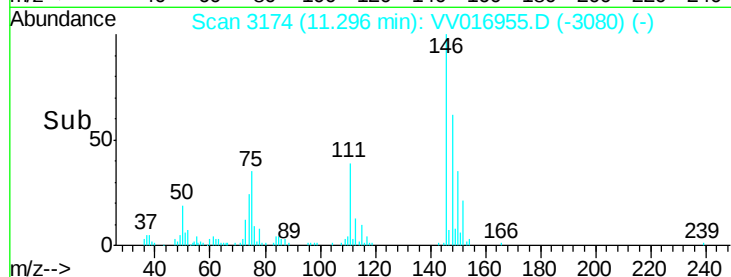
148 61.6 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 0.949 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

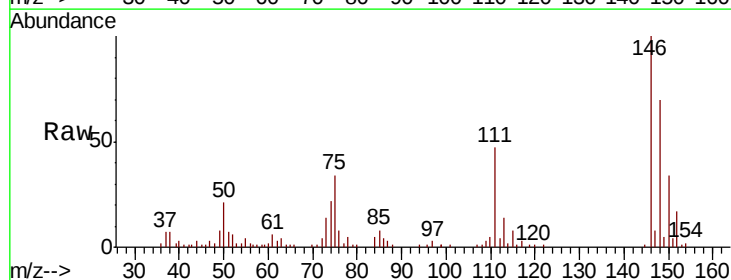
Tgt Ion:146 Resp: 27492

Ion Ratio Lower Upper

146 100

111 47.3 34.4 51.6

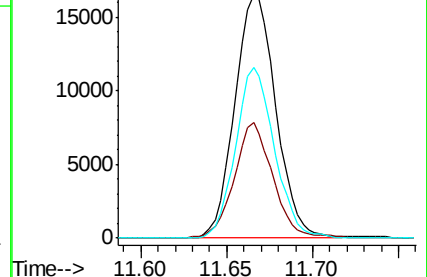
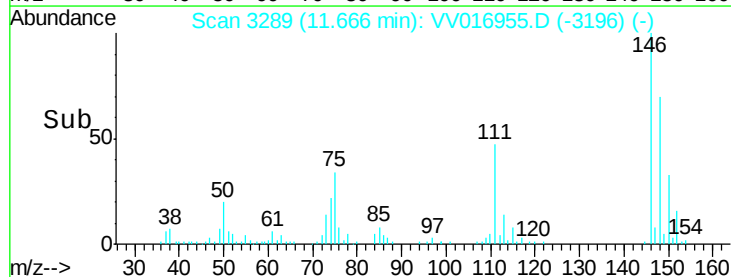
148 70.3 49.9 74.9

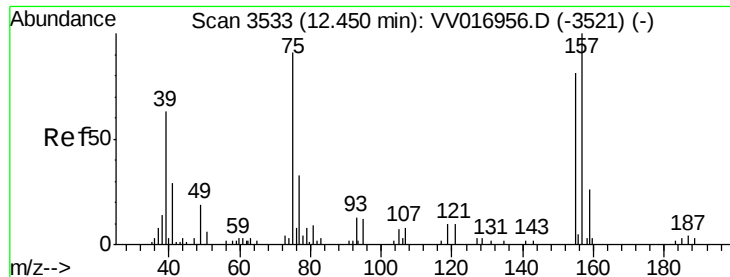


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

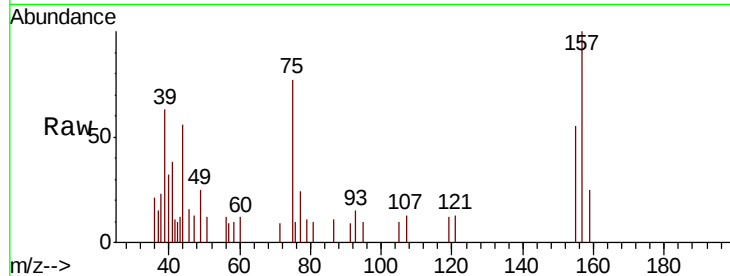




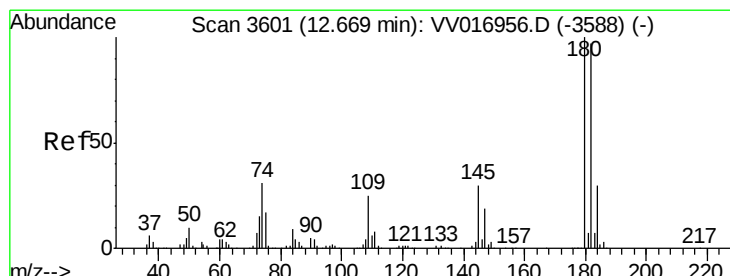
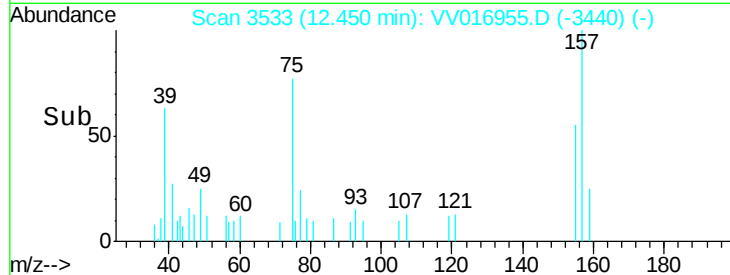
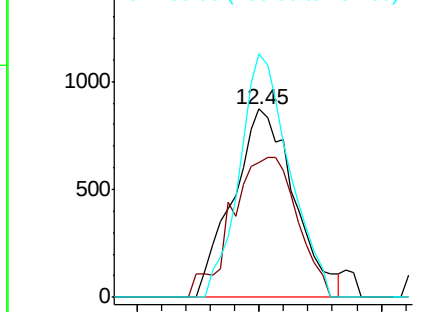
#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.835 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016955.D
 Acq: 17 Jun 2020 09:50

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00135

Tot Ion: 75 Resp: 1518
 Ion Ratio Lower Upper
 75 100
 155 71.5 71.1 106.7
 157 129.2 88.3 132.5

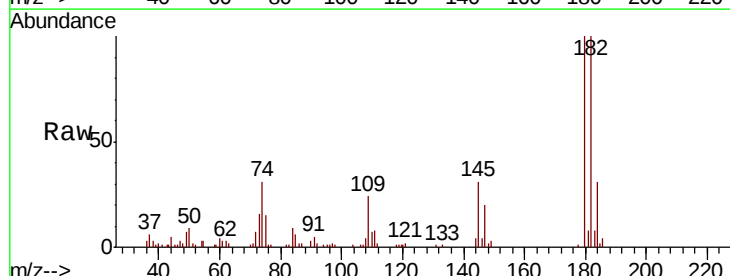


Abundance Ion 75.05 (74.75 to 75.75): VV016955.D (-3440) (-)
 Ion 154.95 (154.65 to 155.65): VV016955.D (-3440) (-)
 Ion 156.90 (156.60 to 157.60): VV016955.D (-3440) (-)

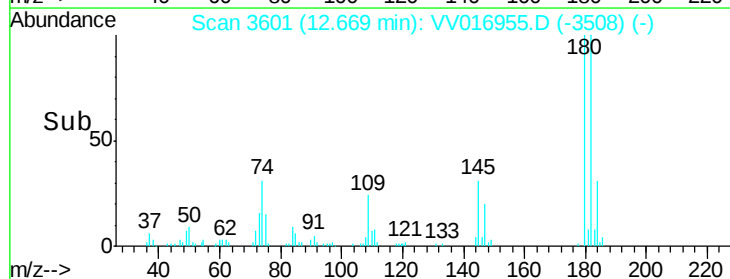
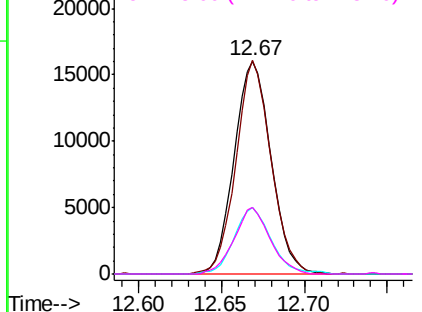


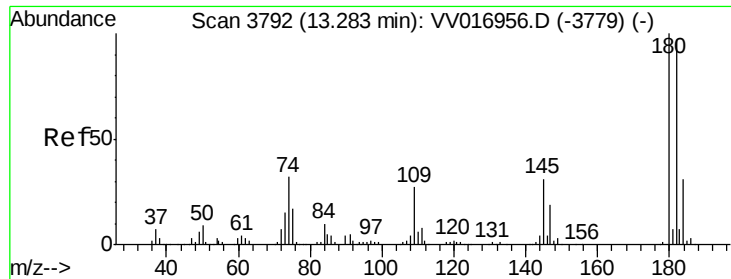
#68
 1,3,5-Trichlorobenzene
 Concen: 1.078 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016955.D
 Acq: 17 Jun 2020 09:50

Tgt Ion: 180 Resp: 24689
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.4 116.2
 184 31.4 24.2 36.4
 145 30.5 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): VV016955.D (-3508) (-)
 Ion 182.00 (181.70 to 182.70): VV016955.D (-3508) (-)
 Ion 184.00 (183.70 to 184.70): VV016955.D (-3508) (-)
 Ion 145.00 (144.70 to 145.70): VV016955.D (-3508) (-)

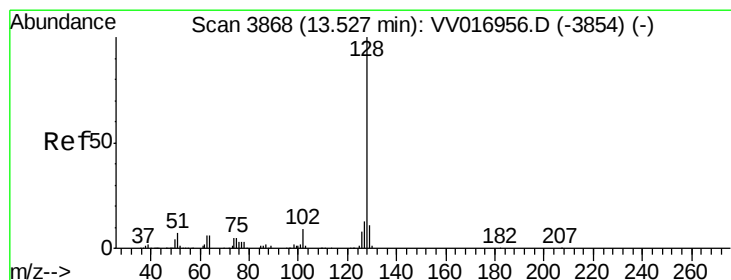
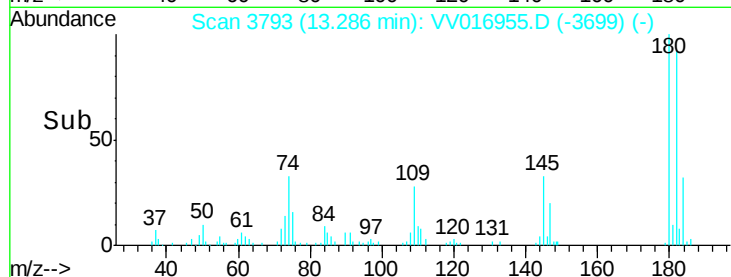
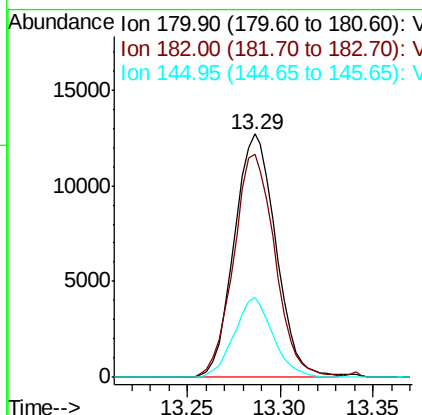
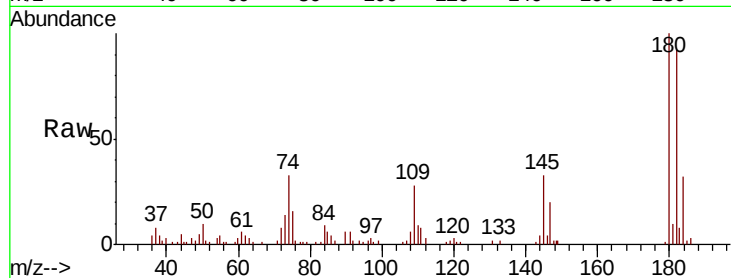




#69
 1,2,4-trichlorobenzene
 Concen: 1.010 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016955.D
 Acq: 17 Jun 2020 09:50

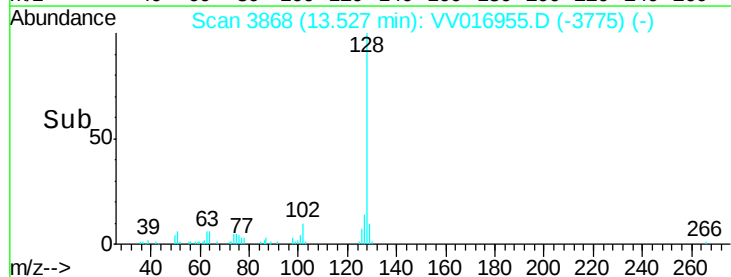
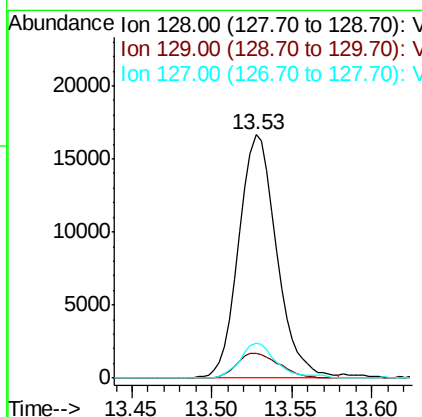
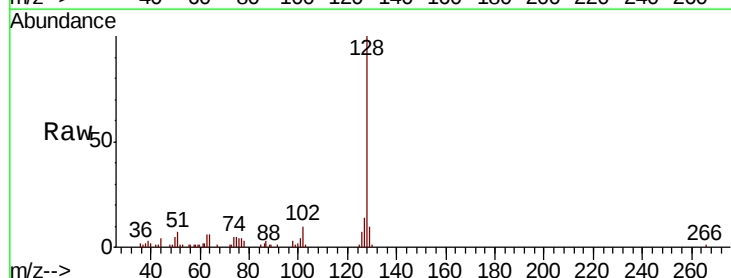
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

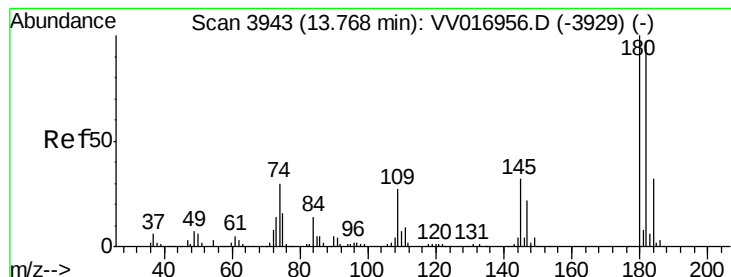
Tot Ion:180 Resp: 19773
 Ion Ratio Lower Upper
 180 100
 182 91.3 76.6 114.8
 145 30.6 25.0 37.6



#70
 Naphthalene
 Concen: 0.602 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016955.D
 Acq: 17 Jun 2020 09:50

Tgt Ion:128 Resp: 26931
 Ion Ratio Lower Upper
 128 100
 129 11.3 8.8 13.2
 127 13.6 10.5 15.7





#71

1,2,3-Trichlorobenzene

Concen: 0.948 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016955.D

Acq: 17 Jun 2020 09:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

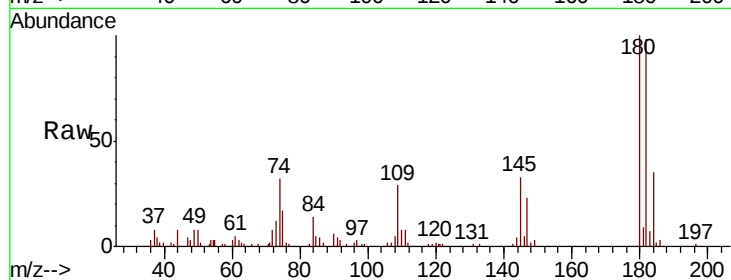
Tot Ion:180 Resp: 16255

Ion Ratio Lower Upper

180 100

182 99.0 77.4 116.0

145 33.0 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

