

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061720\
 Data File : VV016954.D
 Acq On : 17 Jun 2020 09:24
 Operator : SY/MD
 Sample : VSTD0.534
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

Quant Time: Jun 18 00:55:16 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	206200	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	200565	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	100670	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5877	0.35	ug/L	0.00
7) Chloroethane-d5	1.58	69	4822	0.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	12184	0.41	ug/L	0.00
20) 2-Butanone-d5	3.93	46	15083	4.04	ug/L	0.00
24) Chloroform-d	4.38	84	13633	0.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	6918	0.45	ug/L	0.00
32) Benzene-d6	5.08	84	25216	0.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	7688	0.45	ug/L	0.00
41) Toluene-d8	7.34	98	23787	0.46	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.64	79	3014	0.48	ug/L	0.00
48) 2-Hexanone-d5	8.11	63	10057	3.53	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	4958	0.41	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	10308	0.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8843	0.533 ug/L	100
3) Chloromethane	1.25	50	7402	0.383 ug/L	96
5) Vinyl chloride	1.32	62	7169	0.416 ug/L	96
6) Bromomethane	1.53	94	4337	0.445 ug/L	100
8) Chloroethane	1.60	64	4358	0.427 ug/L	98
9) Trichlorofluoromethane	1.77	101	11393	0.473 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5562	0.420 ug/L	99
12) 1,1-Dichloroethene	2.14	96	5078	0.405 ug/L	89
13) Acetone	2.19	43	8114	3.286 ug/L	98
14) Carbon disulfide	2.31	76	15480	0.409 ug/L	99
15) Methyl Acetate	2.45	43	2198	0.359 ug/L	91
16) Methylene chloride	2.52	84	6154	0.461 ug/L	94
17) Methyl tert-butyl Ether	2.78	73	12705	0.429 ug/L #	93
18) trans-1,2-Dichloroethene	2.78	96	5454	0.412 ug/L	96
19) 1,1-Dichloroethane	3.21	63	11973	0.449 ug/L	99
21) 2-Butanone	4.01	43	13536	3.698 ug/L	94
22) cis-1,2-Dichloroethene	3.94	96	7517	0.494 ug/L	74
23) Bromochloromethane	4.27	128	1776	0.295 ug/L #	88
25) Chloroform	4.40	83	12970	0.476 ug/L	92
27) 1,2-Dichloroethane	5.15	62	7796	0.442 ug/L #	92
29) 1,1,1-Trichloroethane	4.63	97	11679	0.497 ug/L	94
30) Cyclohexane	4.69	56	11690	0.475 ug/L	97
31) Carbon tetrachloride	4.85	117	10476	0.516 ug/L	96
33) Benzene	5.13	78	24979	0.433 ug/L	100
34) Trichloroethene	5.94	95	7843	0.510 ug/L	96
35) Methylcyclohexane	6.15	83	12229	0.495 ug/L	99
37) 1,2-Dichloropropane	6.20	63	6387	0.443 ug/L #	91
38) Bromodichloromethane	6.54	83	8758	0.493 ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	8509	0.433 ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	34107	3.928 ug/L	99

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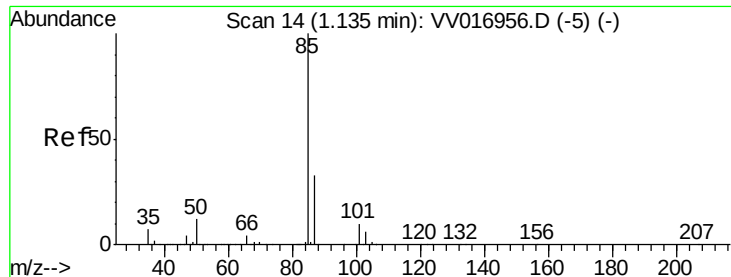
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

Quant Time: Jun 18 00:55:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.41	91	33972	0.552	ug/L	94
43) 1,3,5-Trimethylbenzene	10.56	105	23752	0.432	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	23712	0.421	ug/L	99
46) trans-1,3-Dichloropropene	7.68	75	7705	0.475	ug/L	100
47) 1,1,2-Trichloroethane	7.86	97	4586	0.485	ug/L	96
49) Tetrachloroethene	7.99	164	6252	0.540	ug/L	96
50) 2-Hexanone	8.16	43	23798	3.925	ug/L	97
51) Dibromochloromethane	8.27	129	5319	0.518	ug/L	92
52) 1,2-Dibromoethane	8.38	107	4311	0.483	ug/L #	88
53) Chlorobenzene	8.90	112	18929	0.484	ug/L	96
54) Ethylbenzene	9.03	91	31165	0.457	ug/L	99
55) m,p-xylene	9.16	106	13260	0.517	ug/L	99
56) o-xylene	9.57	106	11399	0.473	ug/L	93
57) Styrene	9.58	104	17806	0.435	ug/L	98
58) Isopropylbenzene	9.95	105	29936	0.453	ug/L	97
60) 1,1,2,2-Tetrachloroethane	10.27	83	4451	0.384	ug/L	99
62) Bromoform	9.76	173	2553	0.574	ug/L	97
63) 1,3-Dichlorobenzene	11.21	146	15210	0.498	ug/L	96
64) 1,4-Dichlorobenzene	11.30	146	15971	0.505	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	14283	0.500	ug/L	95
67) 1,2-Dibromo-3-chloropropan	12.45	75	668	0.373	ug/L #	70
68) 1,3,5-Trichlorobenzene	12.67	180	12243	0.543	ug/L	96
69) 1,2,4-trichlorobenzene	13.29	180	10023	0.520	ug/L	96
70) Naphthalene	13.53	128	12777	0.290	ug/L	97
71) 1,2,3-Trichlorobenzene	13.77	180	7798	0.462	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 0.533 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

Instrument :

MSVOA_V

ClientSampled :

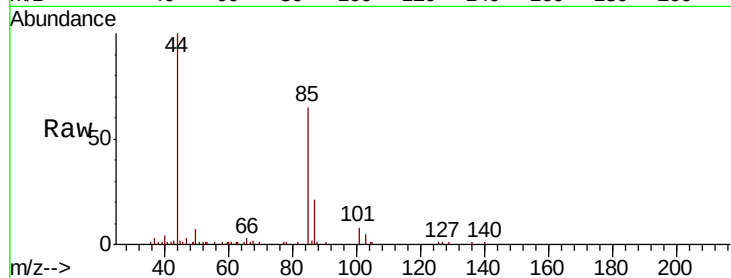
VSTD0.534

Tot Ion: 85 Resp: 8843

Ion Ratio Lower Upper

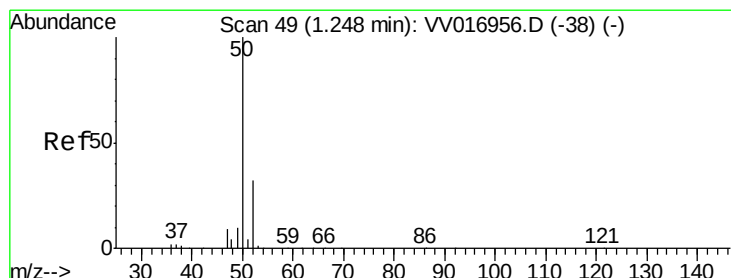
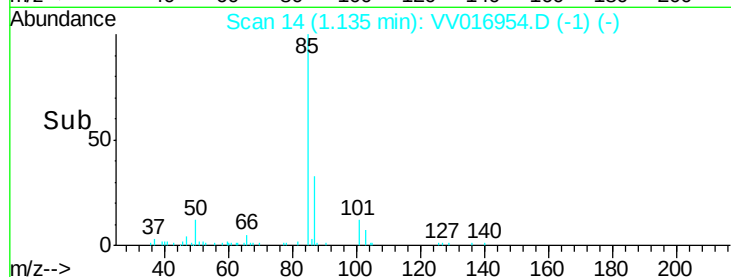
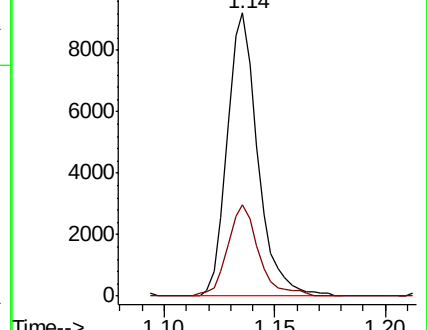
85 100

87 32.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV016956.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV016956.D (-5) (-)



#3

Chloromethane

Concen: 0.383 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016954.D

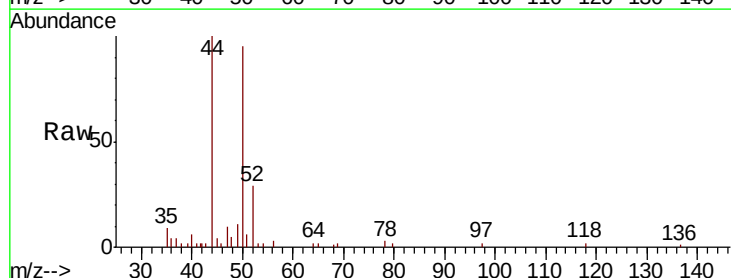
Acq: 17 Jun 2020 09:24

Tgt Ion: 50 Resp: 7402

Ion Ratio Lower Upper

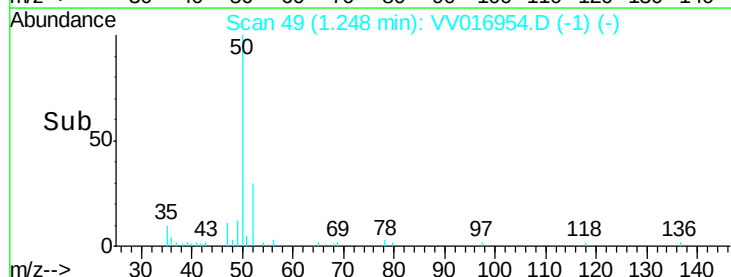
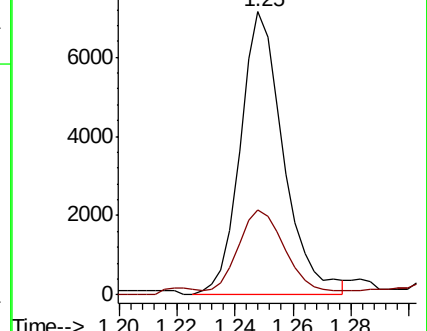
50 100

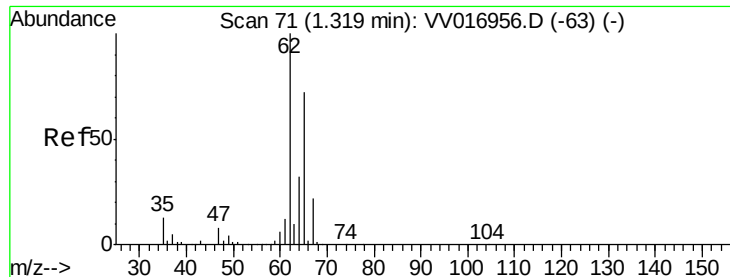
52 30.0 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV016956.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV016956.D (-38) (-)





#5

Vinyl chloride

Concen: 0.416 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

Instrument :

MSVOA_V

ClientSampleId :

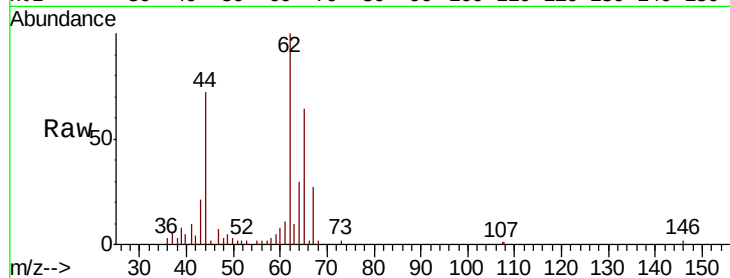
VSTD0.534

Tot Ion: 62 Resp: 7169

Ion Ratio Lower Upper

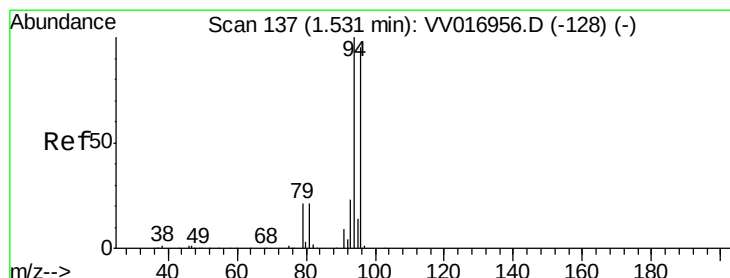
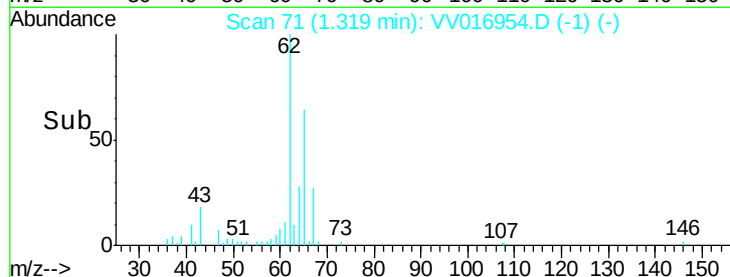
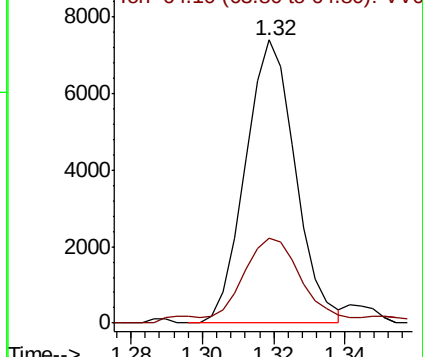
62 100

64 30.1 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.445 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016954.D

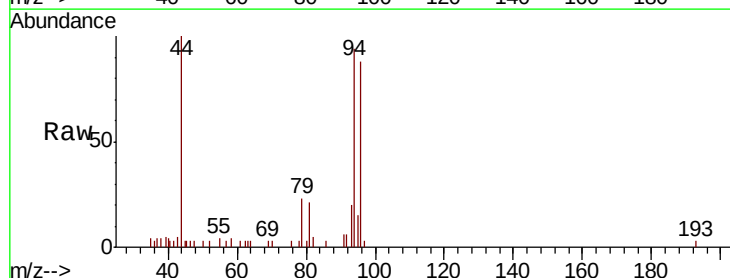
Acq: 17 Jun 2020 09:24

Tgt Ion: 94 Resp: 4337

Ion Ratio Lower Upper

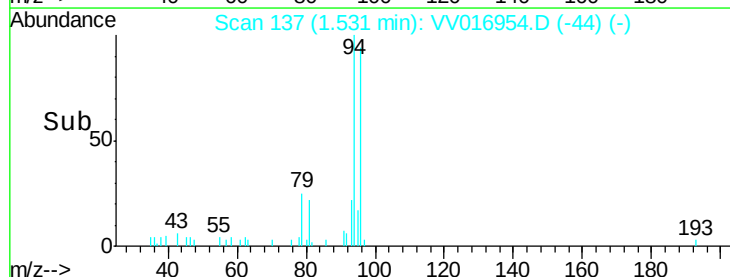
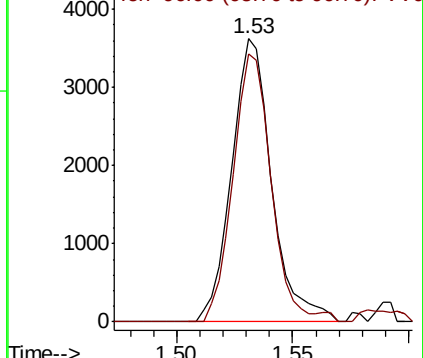
94 100

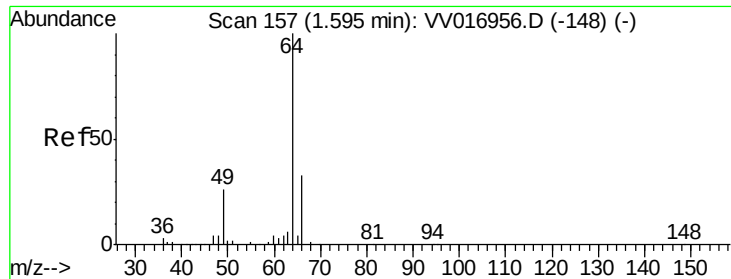
96 94.5 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

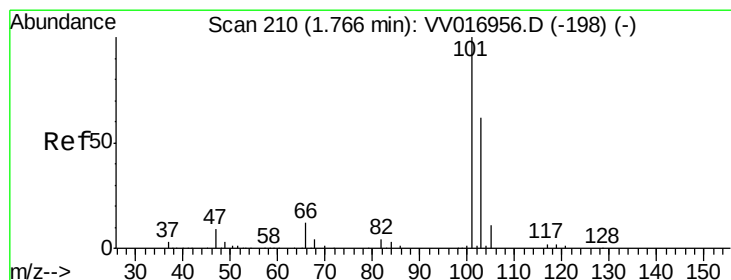
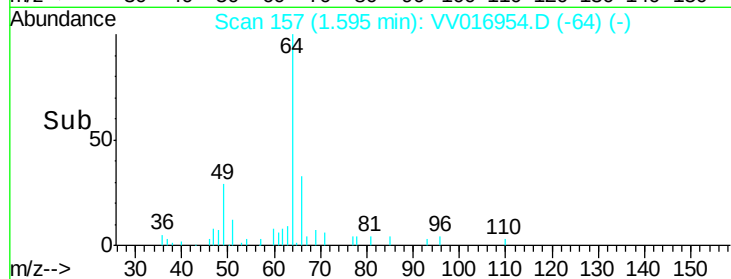
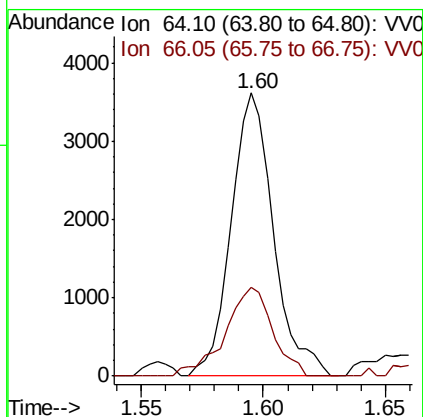
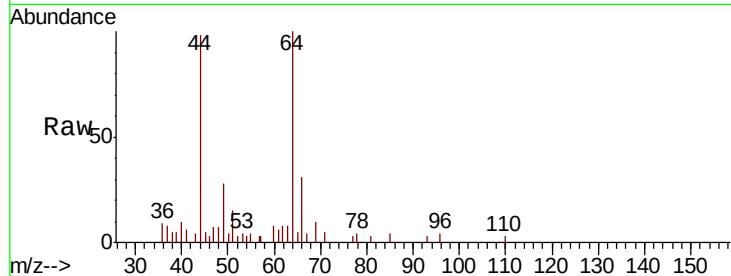




#8
Chloroethane
Concen: 0.427 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV016954.D
Acq: 17 Jun 2020 09:24

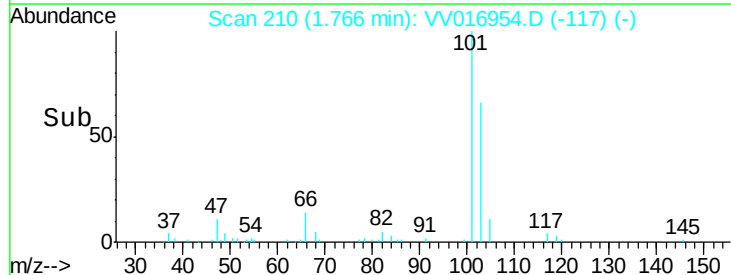
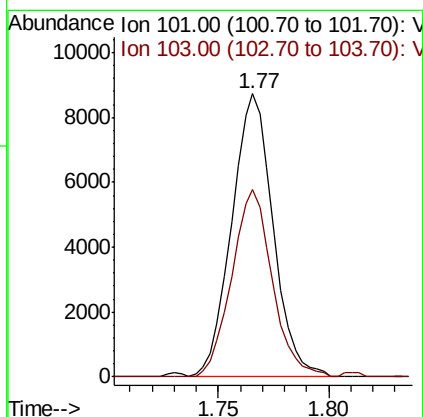
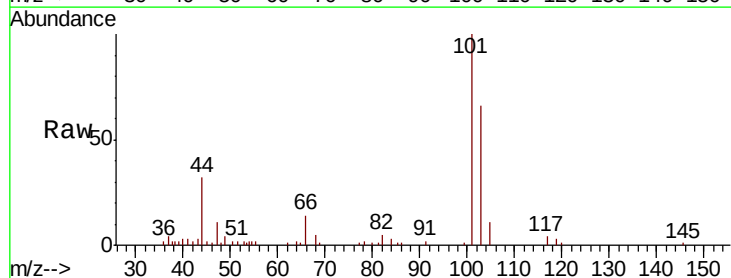
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

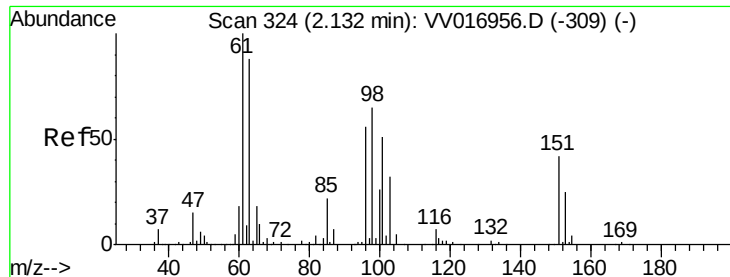
Tot Ion: 64 Resp: 4358
Ion Ratio Lower Upper
64 100
66 31.4 22.8 42.4



#9
Trichlorofluoromethane
Concen: 0.473 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV016954.D
Acq: 17 Jun 2020 09:24

Tgt Ion: 101 Resp: 11393
Ion Ratio Lower Upper
101 100
103 64.7 50.9 76.3





#10

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

Concen: 0.420 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

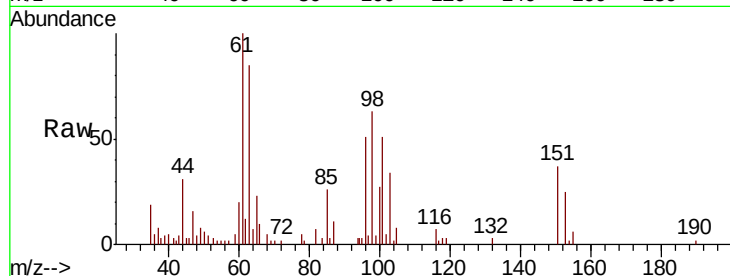
Tot Ion:101 Resp: 5562

Ion Ratio Lower Upper

101 100

85 46.6 35.4 53.2

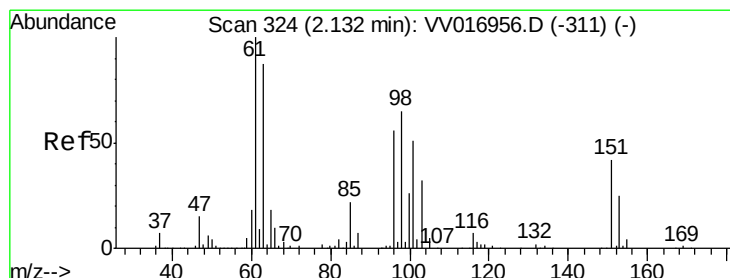
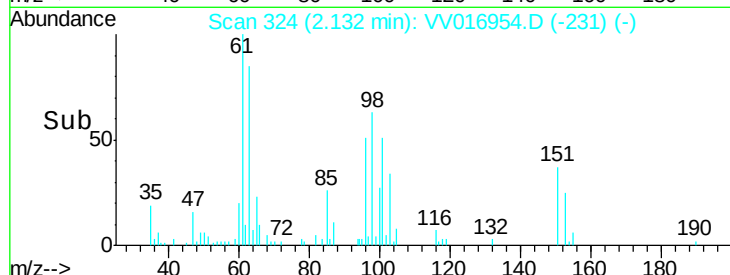
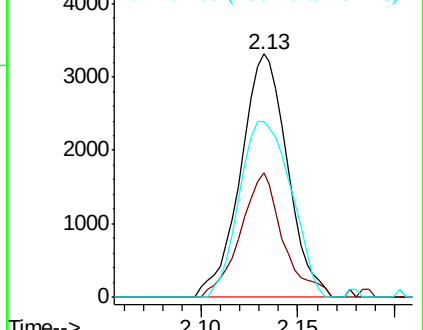
151 80.2 63.9 95.9



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: 0.405 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

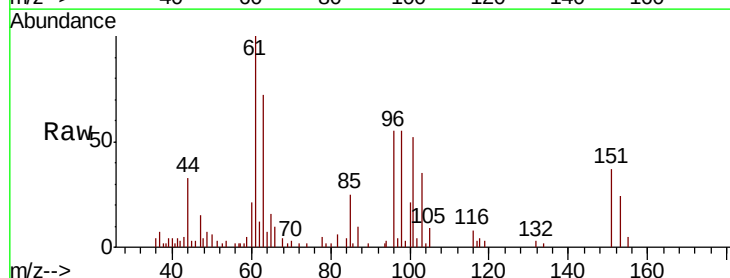
Tgt Ion: 96 Resp: 5078

Ion Ratio Lower Upper

96 100

61 181.9 125.0 232.2

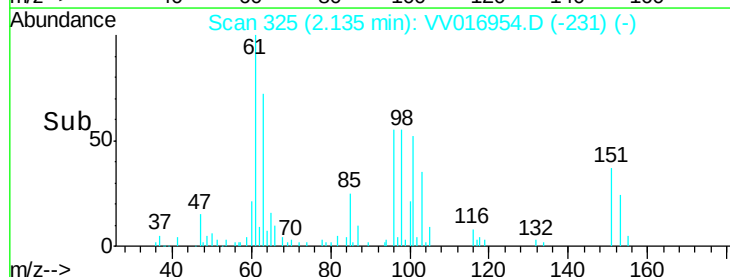
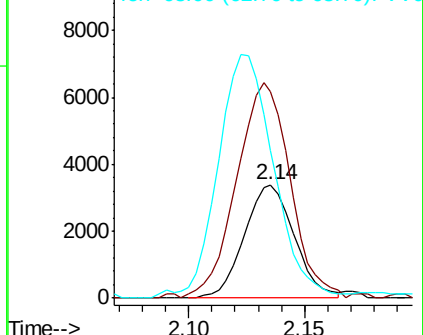
63 130.2 109.8 203.8

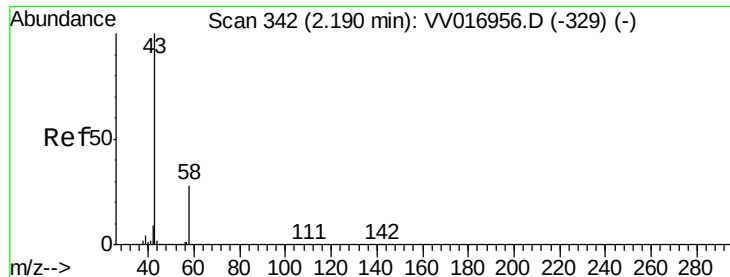


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.286 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

Instrument :

MSVOA_V

ClientSampleId :

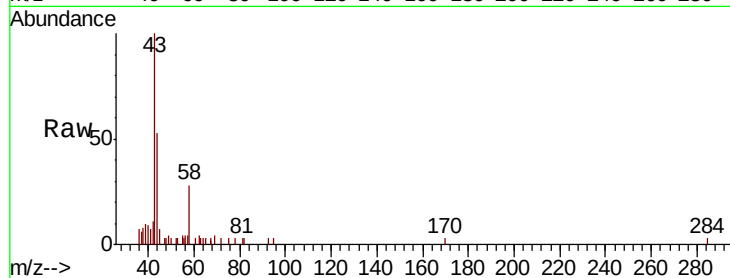
VSTD0.534

Tot Ion: 43 Resp: 8114

Ion Ratio Lower Upper

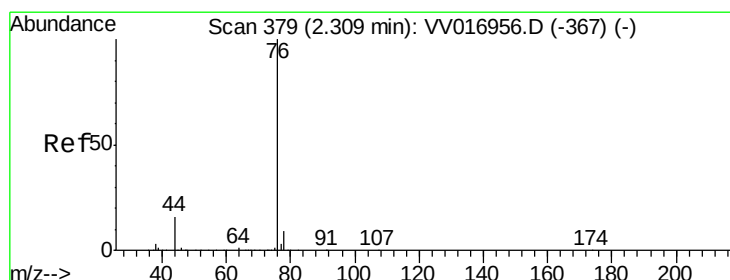
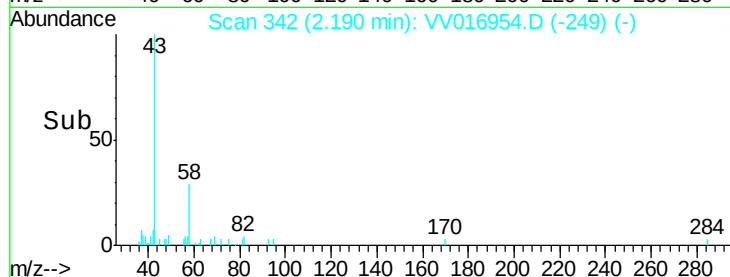
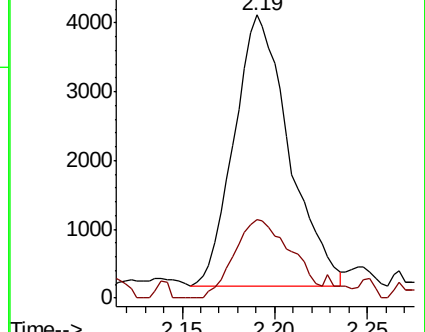
43 100

58 30.4 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: 0.409 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016954.D

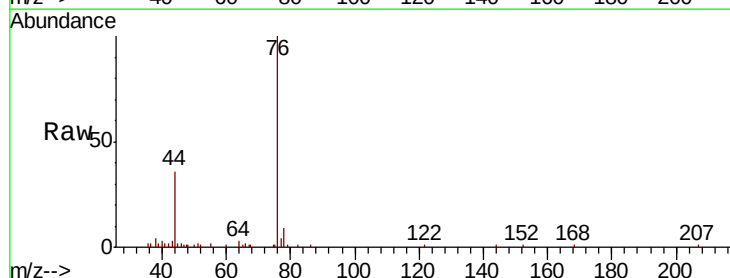
Acq: 17 Jun 2020 09:24

Tgt Ion: 76 Resp: 15480

Ion Ratio Lower Upper

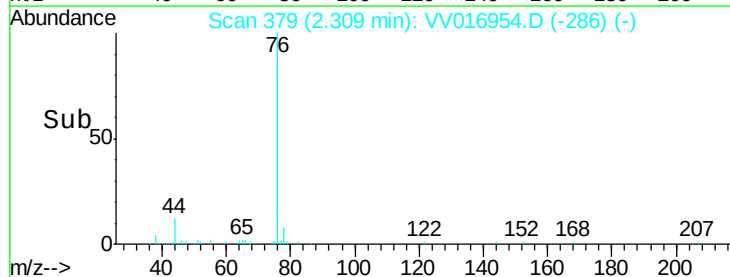
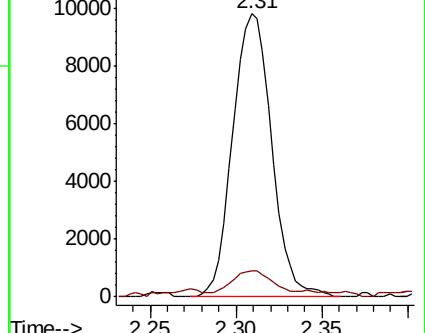
76 100

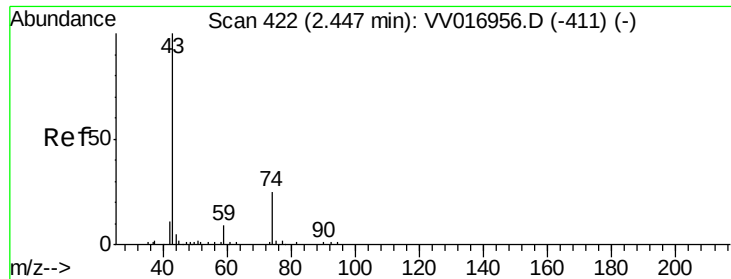
78 9.4 7.7 11.5



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

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

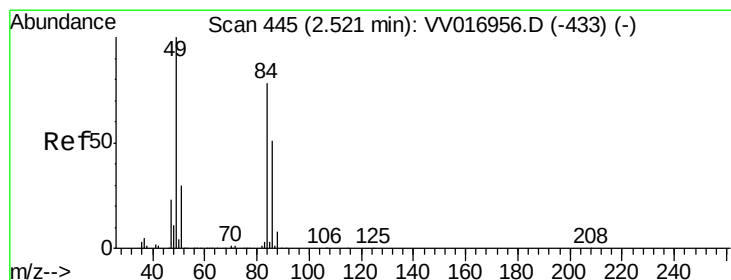
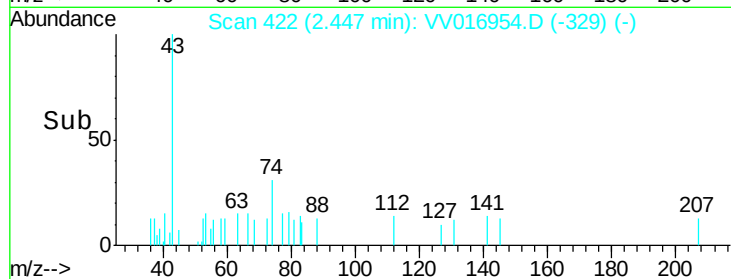
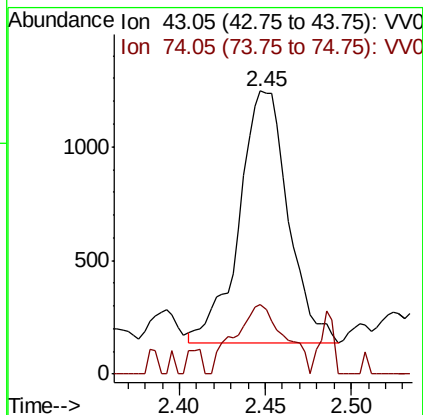
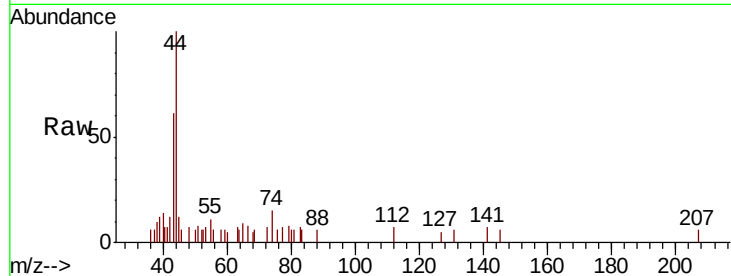




#15
Methvl Acetate
Concen: 0.359 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV016954.D
Acq: 17 Jun 2020 09:24

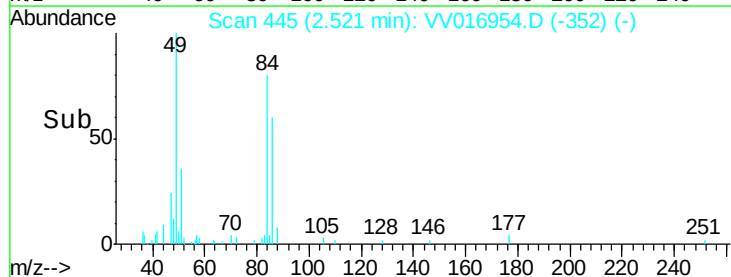
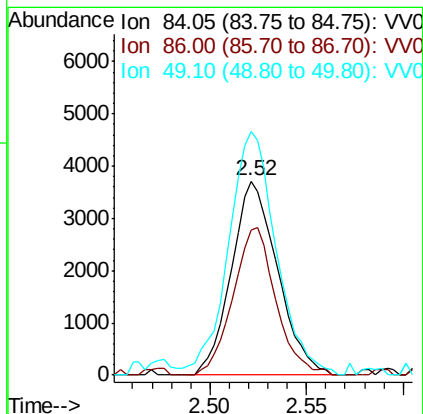
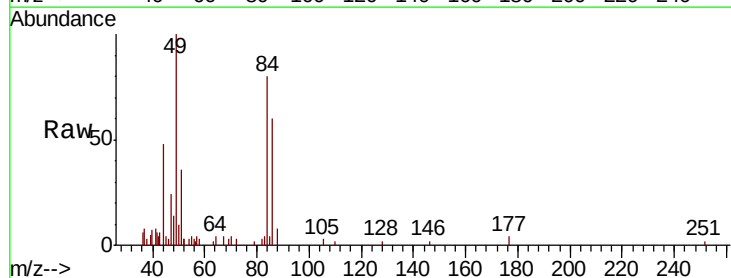
Instrument :
MSVOA_V
ClientSampled :
VSTD0.534

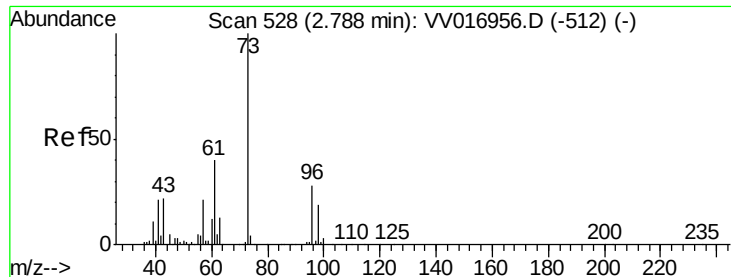
Tot Ion: 43 Resp: 2198
Ion Ratio Lower Upper
43 100
74 28.3 19.1 28.7



#16
Methylene chloride
Concen: 0.461 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV016954.D
Acq: 17 Jun 2020 09:24

Tgt Ion: 84 Resp: 6154
Ion Ratio Lower Upper
84 100
86 74.9 45.8 85.0
49 125.4 89.6 166.4

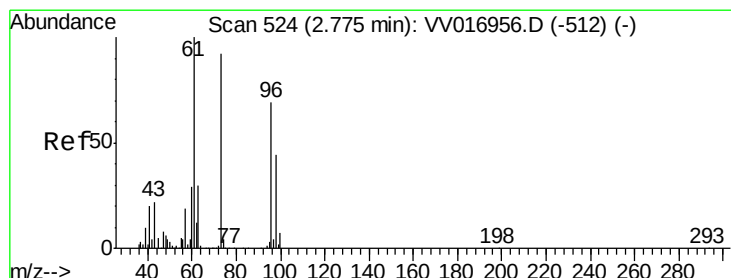
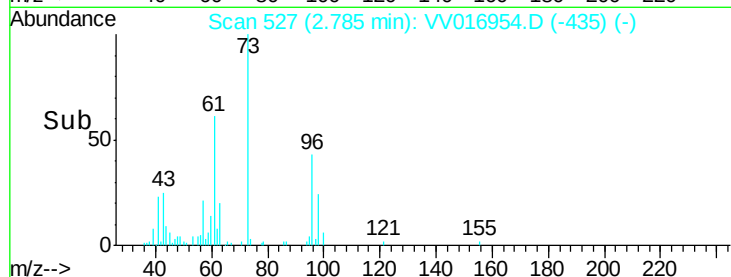
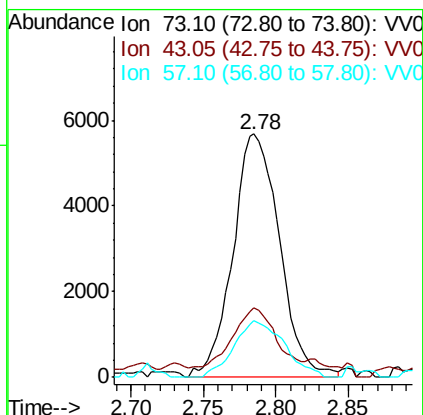
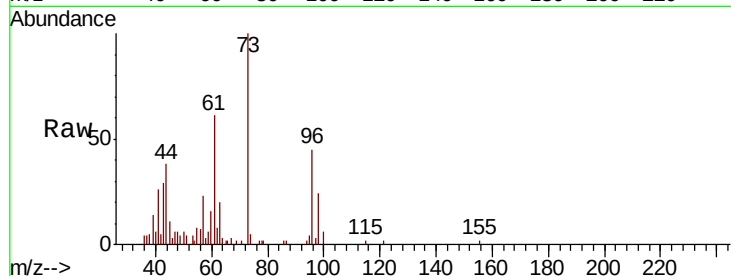




#17
Methyl tert-butyl Ether
Concen: 0.429 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV016954.D
Acq: 17 Jun 2020 09:24

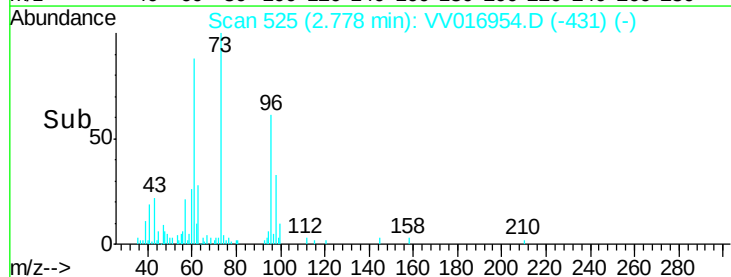
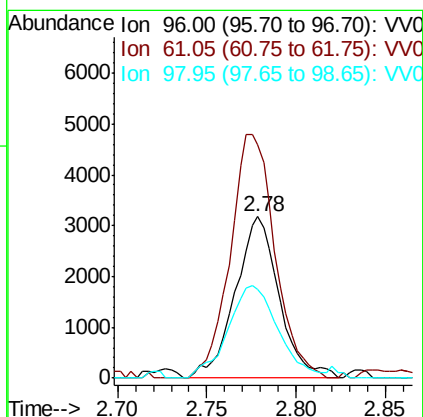
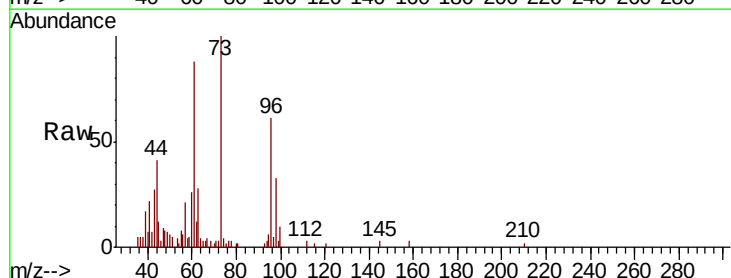
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

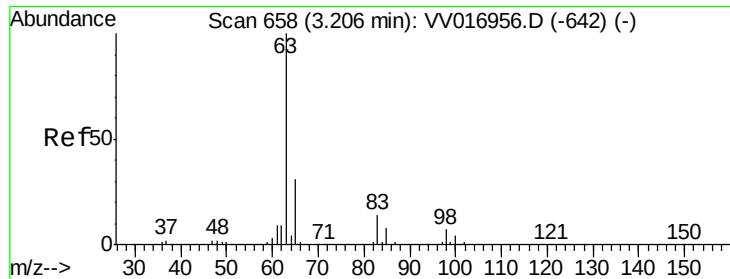
Tot Ion: 73 Resp: 12705
Ion Ratio Lower Upper
73 100
43 20.8 18.6 28.0
57 25.0 16.4 24.6#



#18
trans-1,2-Dichloroethene
Concen: 0.412 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV016954.D
Acq: 17 Jun 2020 09:24

Tgt Ion: 96 Resp: 5454
Ion Ratio Lower Upper
96 100
61 144.7 102.3 189.9
98 54.6 44.7 82.9

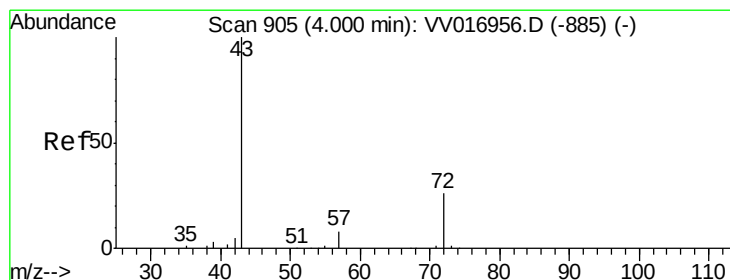
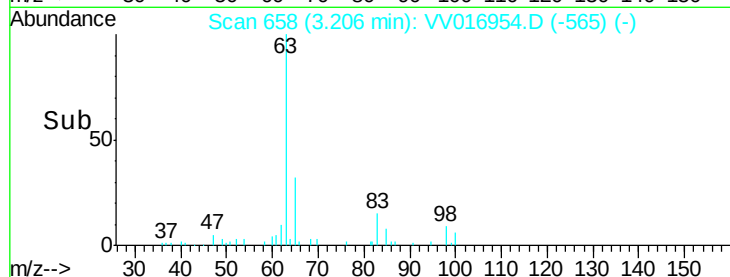
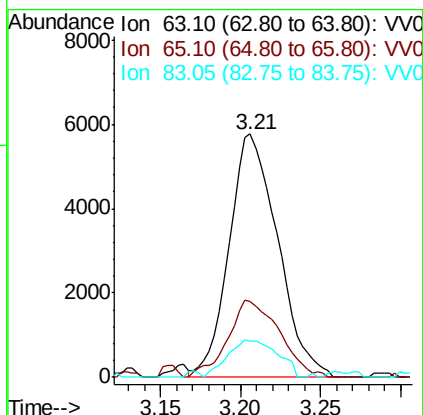
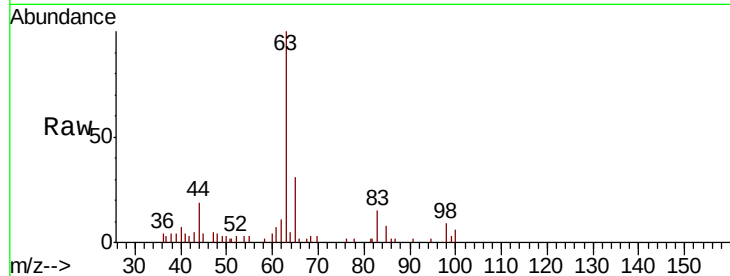




#19
 1,1-Dichloroethane
 Concen: 0.449 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

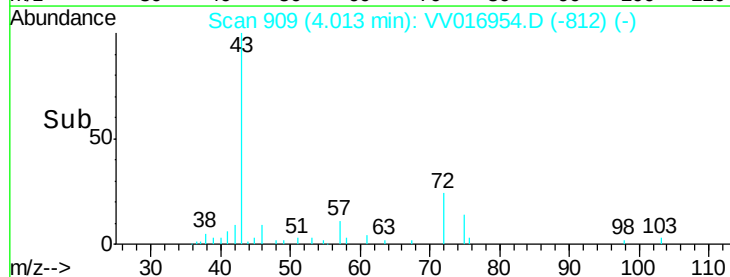
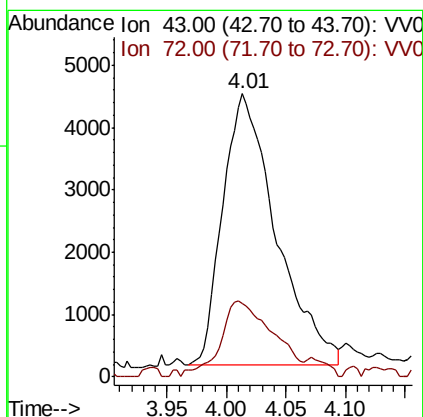
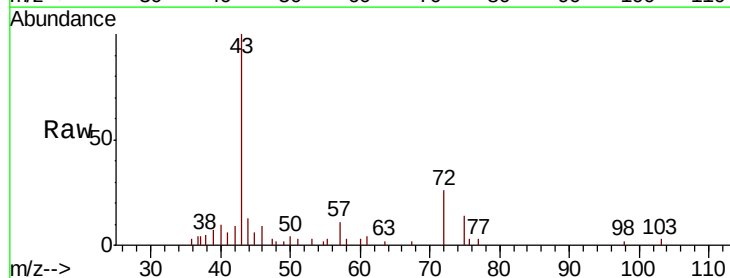
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

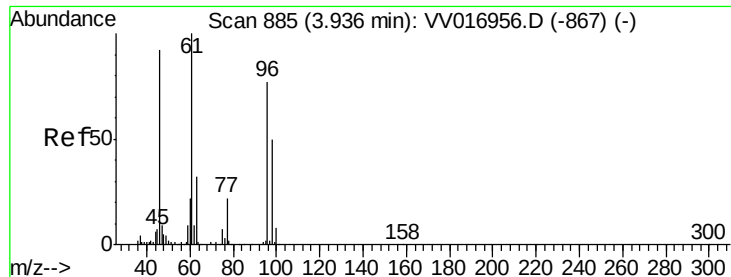
Tot Ion: 63 Resp: 11973
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.8 40.4
 83 15.1 9.7 17.9



#21
 2-Butanone
 Concen: 3.698 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

Tgt Ion: 43 Resp: 13536
 Ion Ratio Lower Upper
 43 100
 72 27.7 12.4 37.4



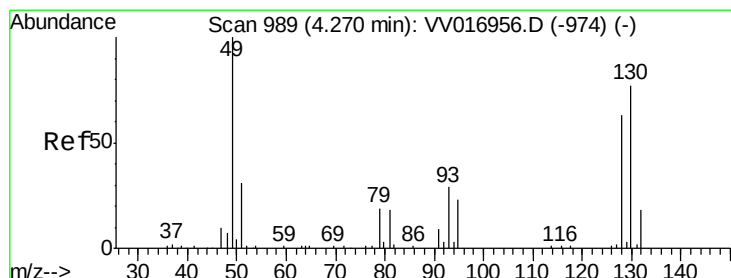
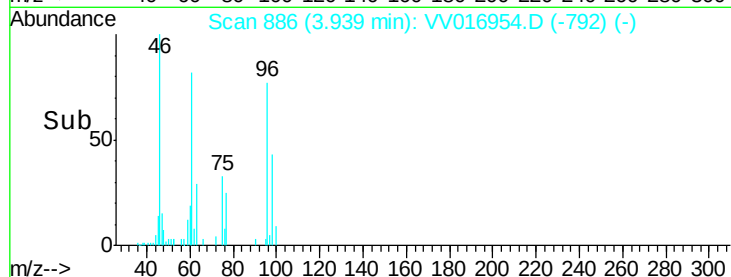
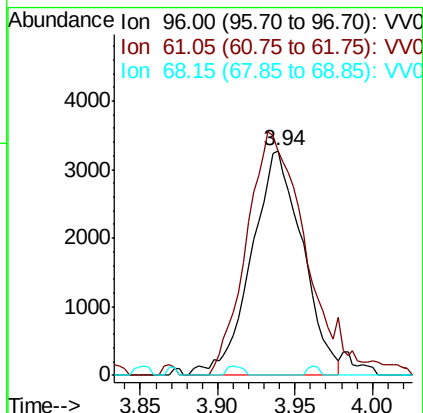
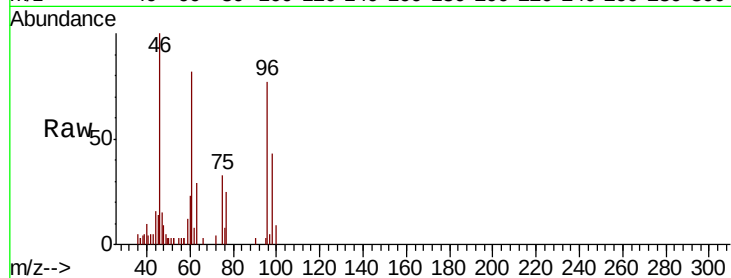


#22

cis-1,2-Dichloroethene
Concen: 0.494 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV016954.D
Acq: 17 Jun 2020 09:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

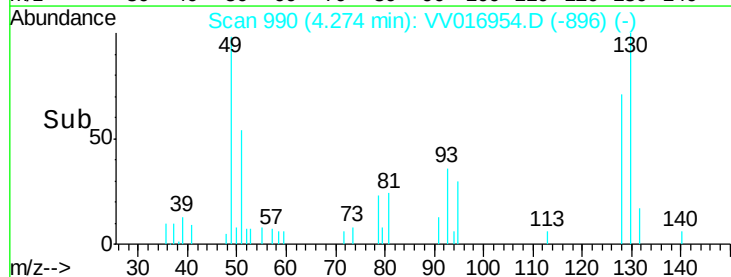
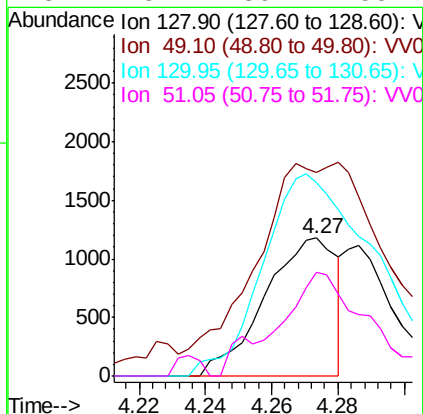
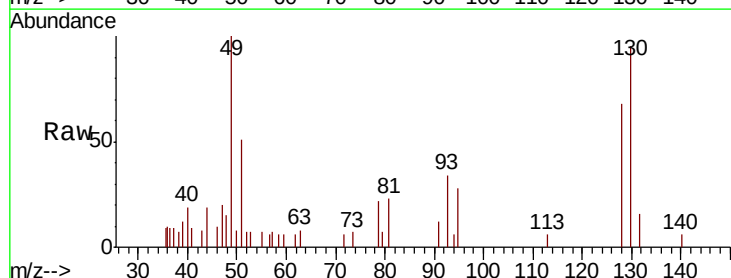
Tot Ion	Ratio	Lower	Upper
96	100		
61	99.8	91.0	169.0
68	0.0	0.0	0.0

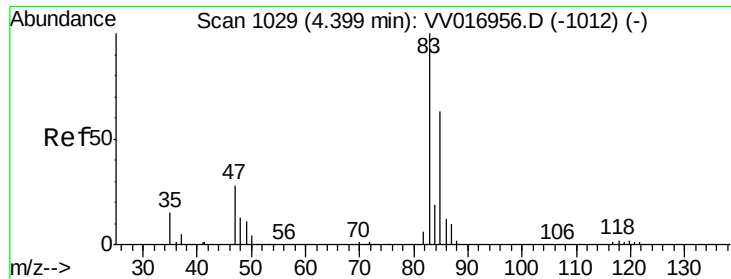


#23

Bromochloromethane
Concen: 0.295 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV016954.D
Acq: 17 Jun 2020 09:24

Tgt Ion	Ratio	Lower	Upper
128	100		
49	159.5	110.8	205.8
130	140.2	86.0	159.8
51	75.2	39.4	59.2#

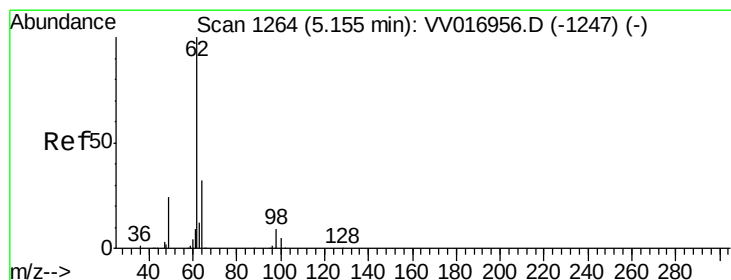
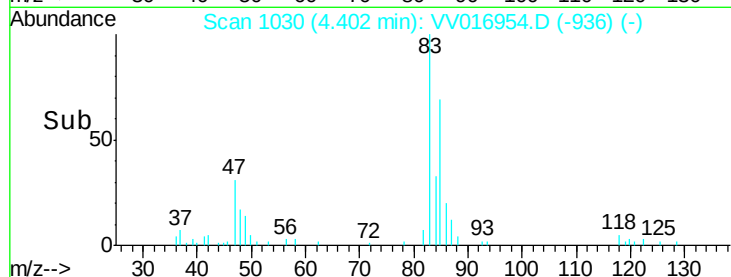
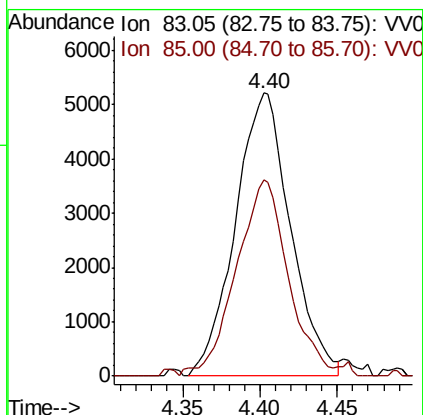
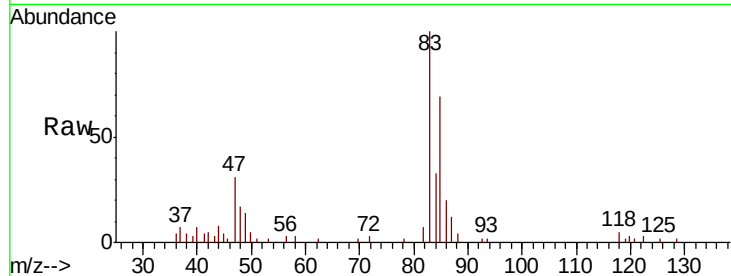




#25
Chloroform
Concen: 0.476 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV016954.D
Acq: 17 Jun 2020 09:24

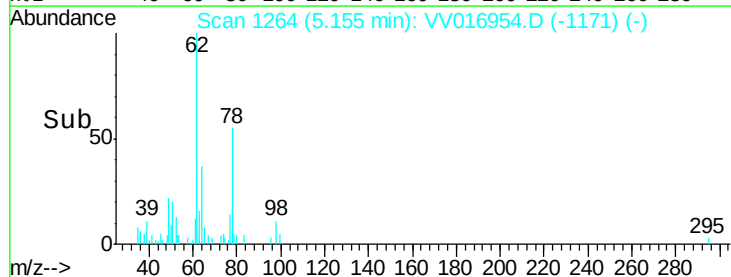
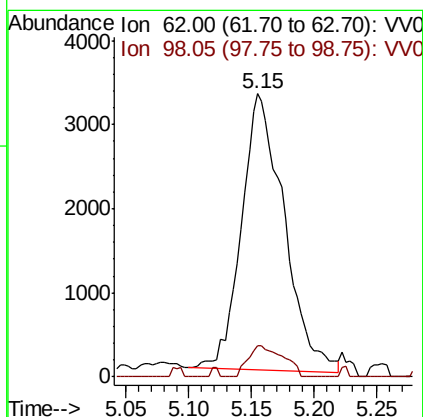
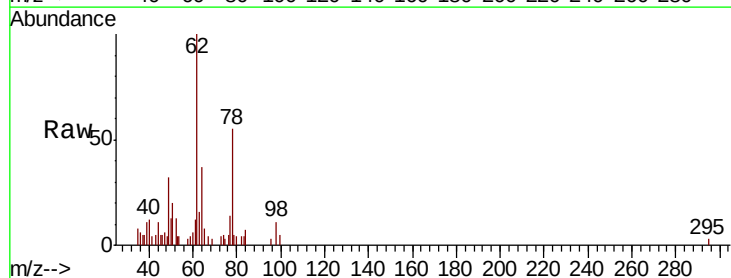
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

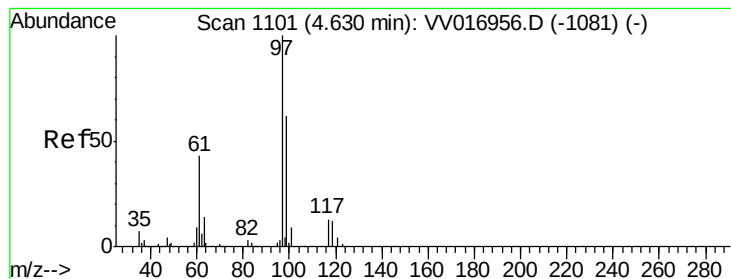
Tot Ion: 83 Resp: 12970
Ion Ratio Lower Upper
83 100
85 69.4 44.2 82.2



#27
1,2-Dichloroethane
Concen: 0.442 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV016954.D
Acq: 17 Jun 2020 09:24

Tgt Ion: 62 Resp: 7796
Ion Ratio Lower Upper
62 100
98 11.1 6.7 10.1#





#29

1,1,1-Trichloroethane

Concen: 0.497 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

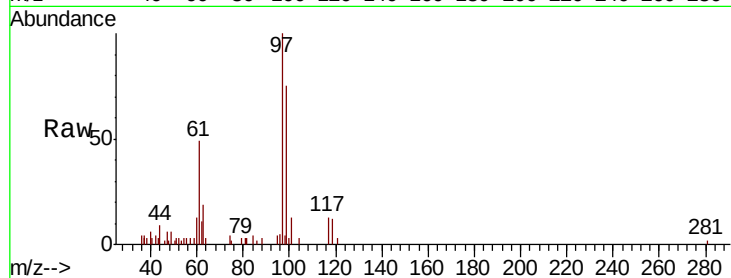
Tot Ion: 97 Resp: 11679

Ion Ratio Lower Upper

97 100

99 68.6 50.3 75.5

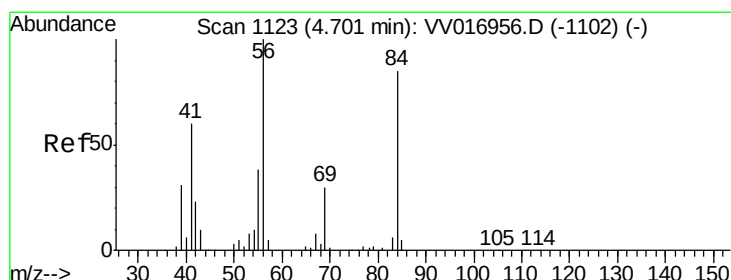
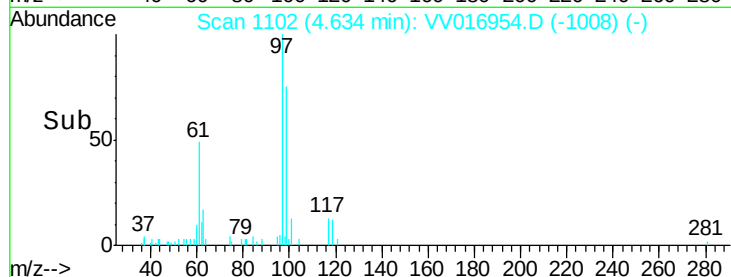
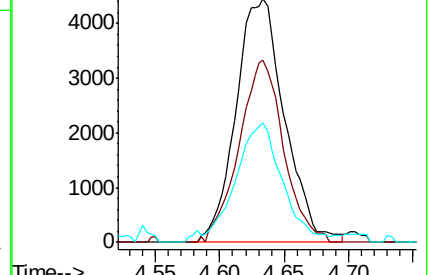
61 42.4 36.0 54.0



Abundance Ion 96.95 (96.65 to 97.65): VV016954.D (-1008) (-)

Ion 99.05 (98.75 to 99.75): VV016954.D (-1008) (-)

Ion 61.05 (60.75 to 61.75): VV016954.D (-1008) (-)



#30

Cyclohexane

Concen: 0.475 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

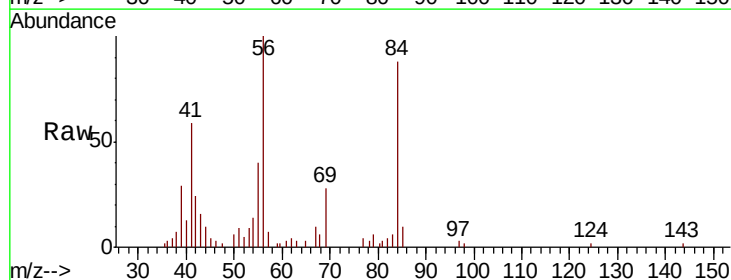
Tgt Ion: 56 Resp: 11690

Ion Ratio Lower Upper

56 100

69 32.2 24.4 36.6

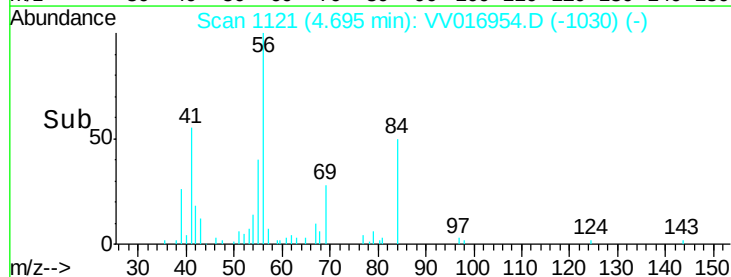
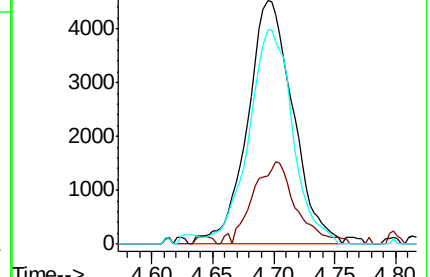
84 85.2 69.9 104.9

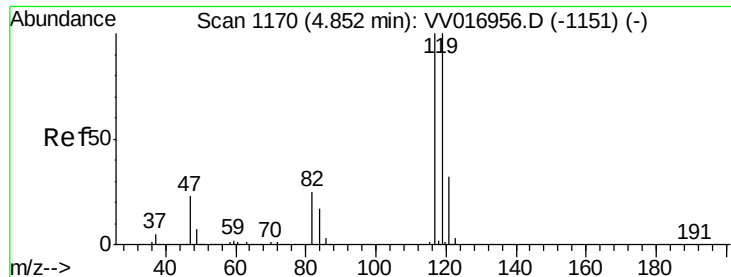


Abundance Ion 56.10 (55.80 to 56.80): VV016954.D (-1030) (-)

Ion 69.15 (68.85 to 69.85): VV016954.D (-1030) (-)

Ion 84.15 (83.85 to 84.85): VV016954.D (-1030) (-)





#31

Carbon tetrachloride

Concen: 0.516 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

Instrument :

MSVOA_V

ClientSampleId :

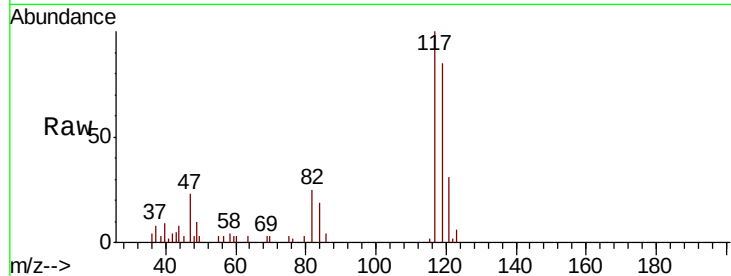
VSTD0.534

Tot Ion:117 Resp: 10476

Ion Ratio Lower Upper

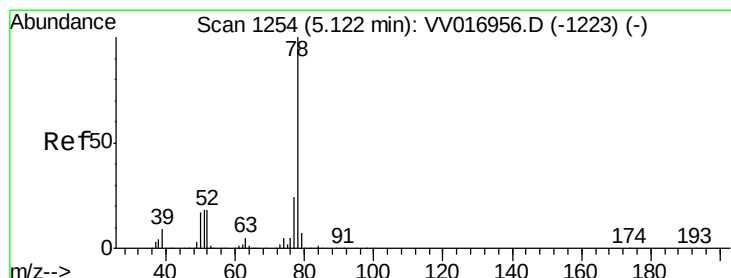
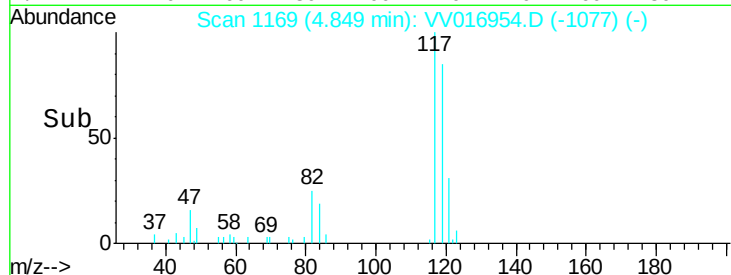
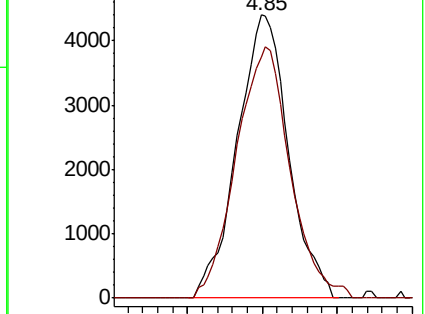
117 100

119 93.4 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.433 ug/L

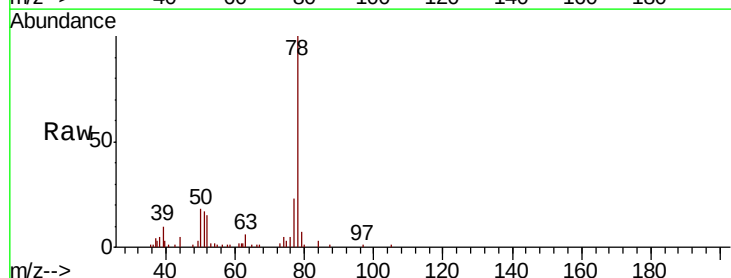
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

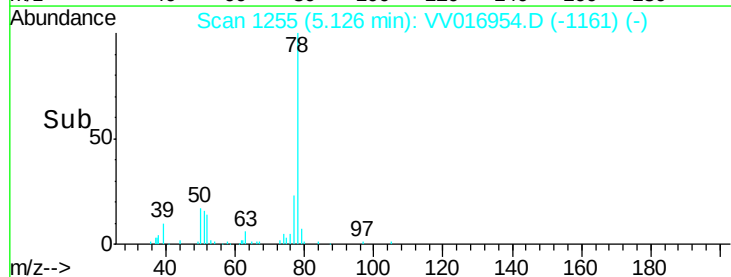
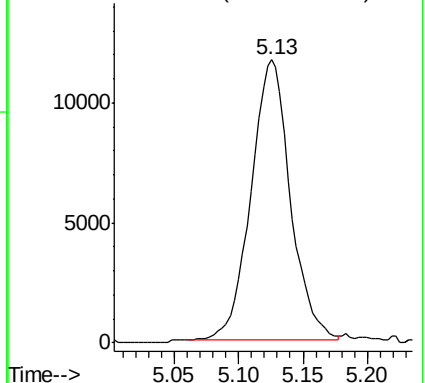
Lab File: VV016954.D

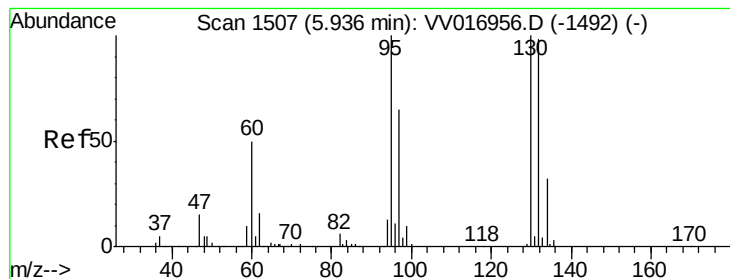
Acq: 17 Jun 2020 09:24

Tgt Ion: 78 Resp: 24979



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.510 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

Tot Ion: 95 Resp: 7843

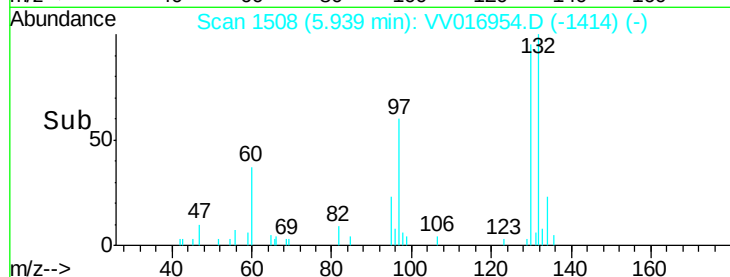
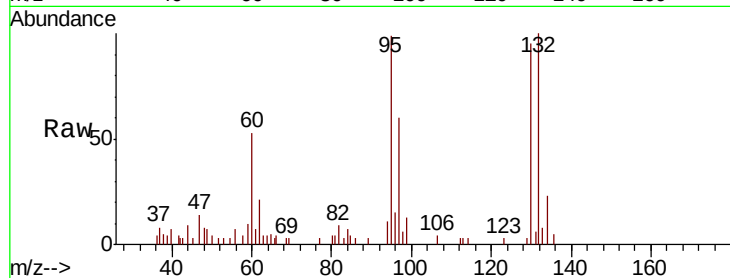
Ion Ratio Lower Upper

95 100

97 60.6 45.3 84.1

132 100.7 68.8 127.8

130 95.8 70.2 130.4

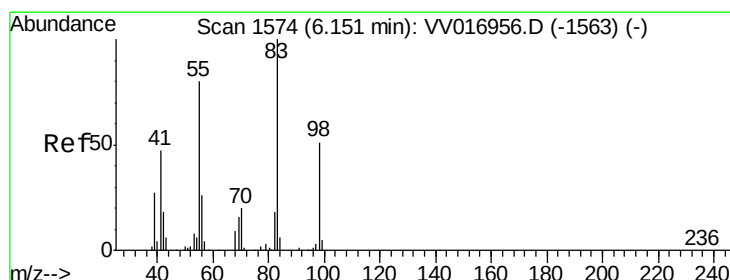
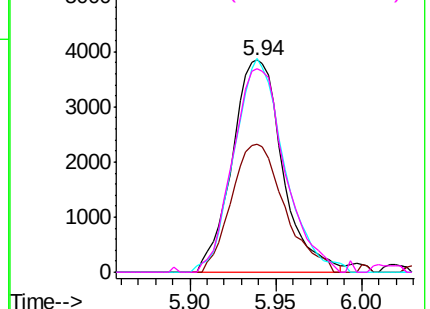


Abundance Ion 95.00 (94.70 to 95.70): VV016954.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV016954.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV016954.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV016954.D (-1414) (-)



#35

Methylcyclohexane

Concen: 0.495 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

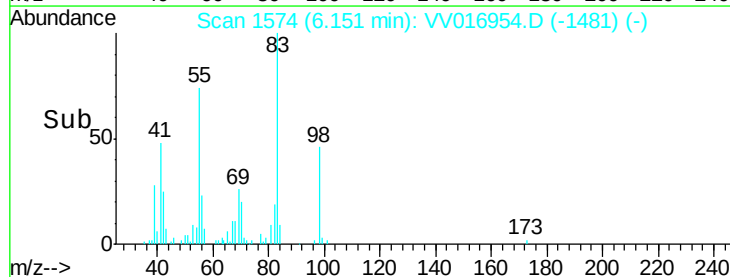
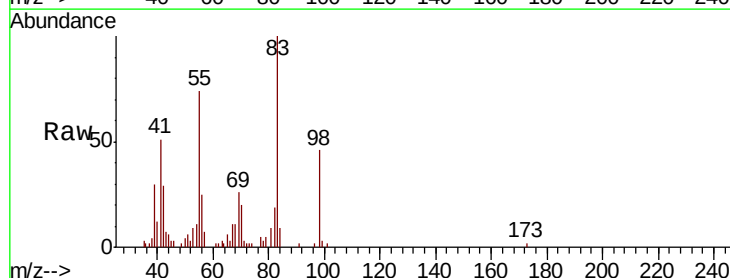
Tgt Ion: 83 Resp: 12229

Ion Ratio Lower Upper

83 100

55 78.2 63.6 95.4

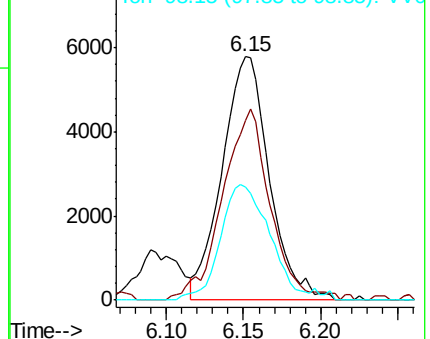
98 49.4 38.8 58.2

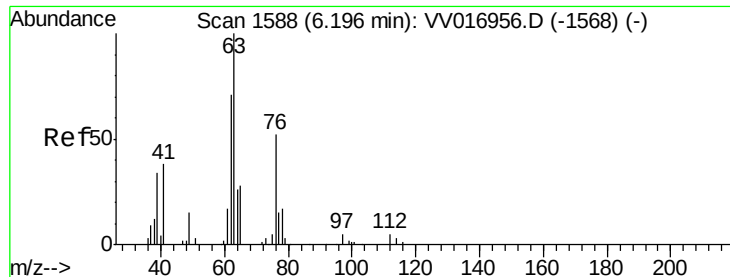


Abundance Ion 83.15 (82.85 to 83.85): VV016954.D (-1481) (-)

Ion 55.10 (54.80 to 55.80): VV016954.D (-1481) (-)

Ion 98.15 (97.85 to 98.85): VV016954.D (-1481) (-)

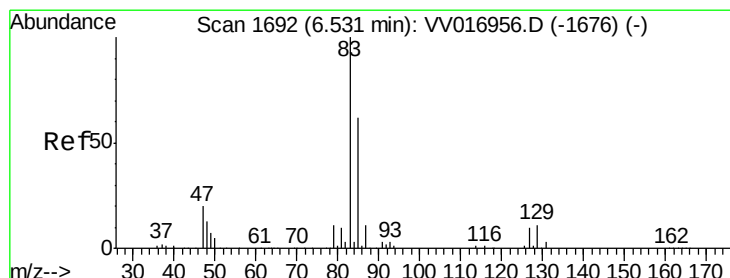
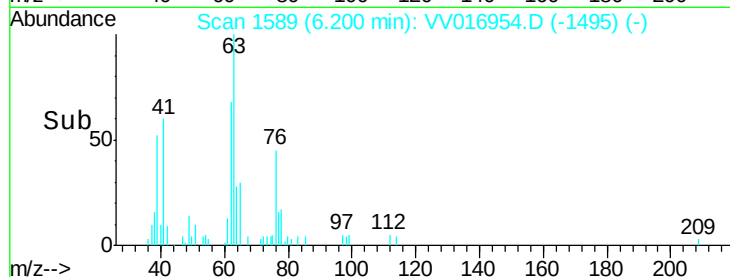
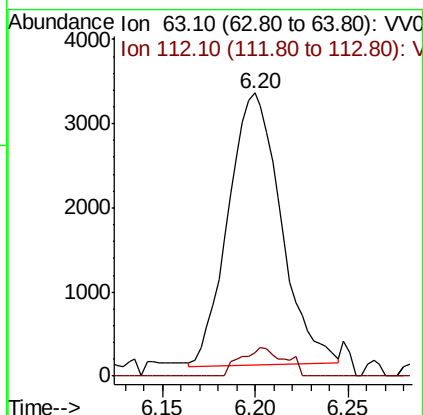
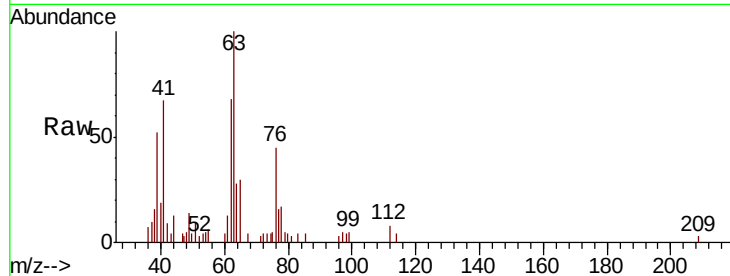




#37
 1,2-Dichloropropane
 Concen: 0.443 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

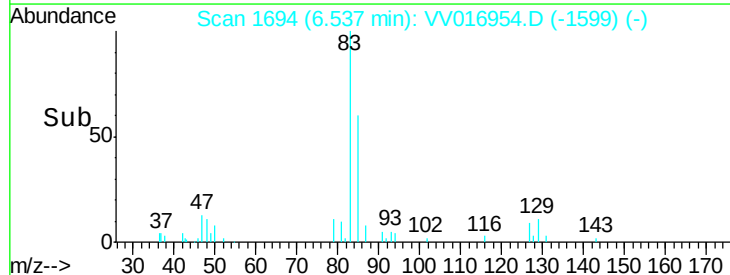
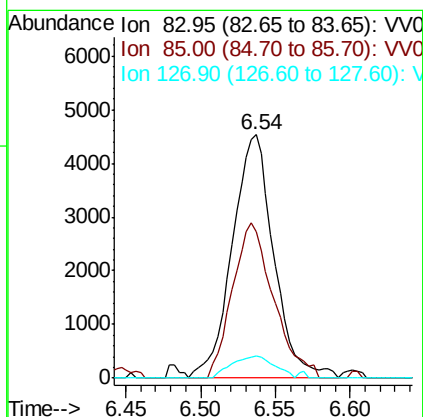
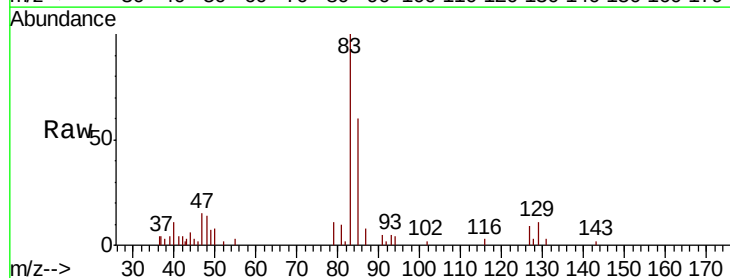
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

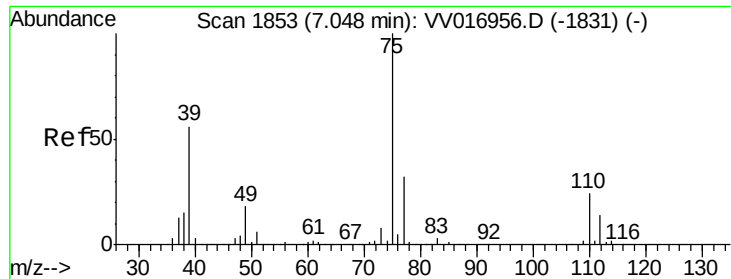
Tot Ion: 63 Resp: 6387
 Ion Ratio Lower Upper
 63 100
 112 8.6 4.4 6.6#



#38
 Bromodichloromethane
 Concen: 0.493 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

Tgt Ion: 83 Resp: 8758
 Ion Ratio Lower Upper
 83 100
 85 60.4 43.4 80.6
 127 9.1 7.9 11.9

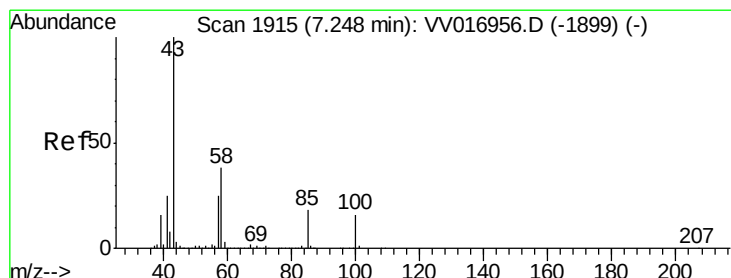
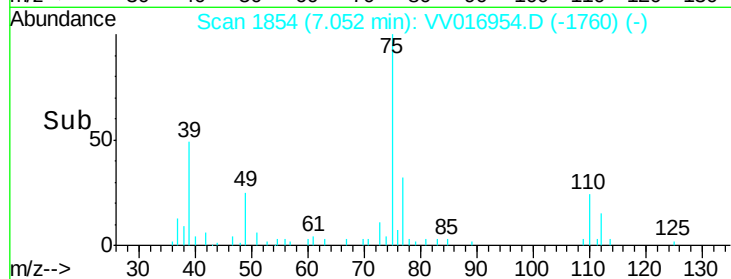
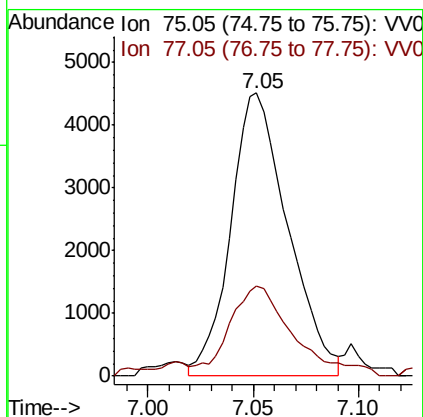
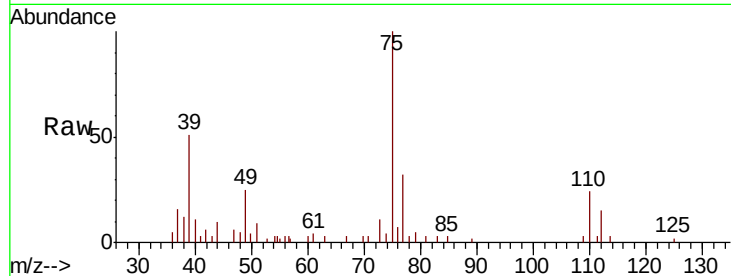




#39
 cis-1,3-Dichloropropene
 Concen: 0.433 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

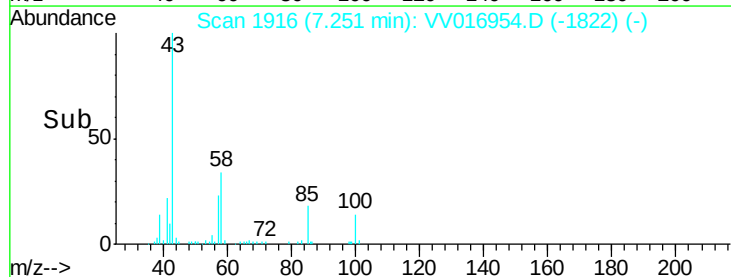
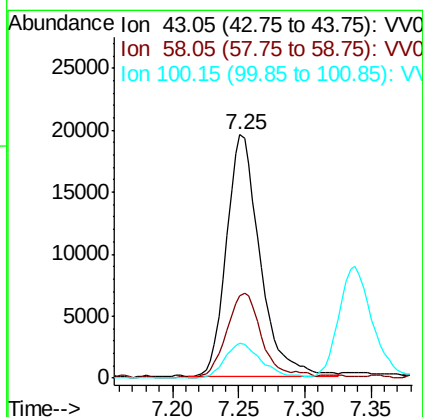
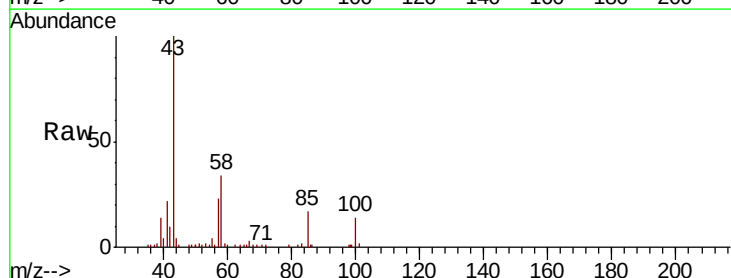
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

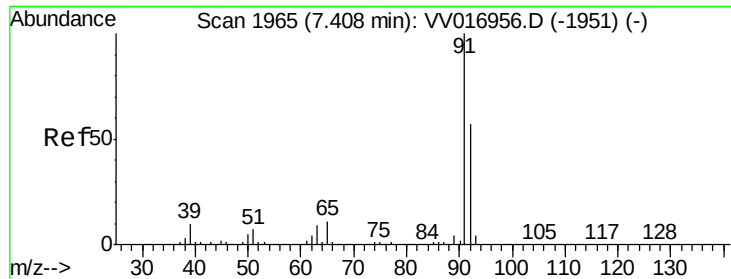
Tot Ion: 75 Resp: 8509
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 3.928 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

Tgt Ion: 43 Resp: 34107
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.4 45.6
 100 15.9 12.7 19.1





#42

Toluene

Concen: 0.552 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

Instrument :

MSVOA_V

ClientSampleId :

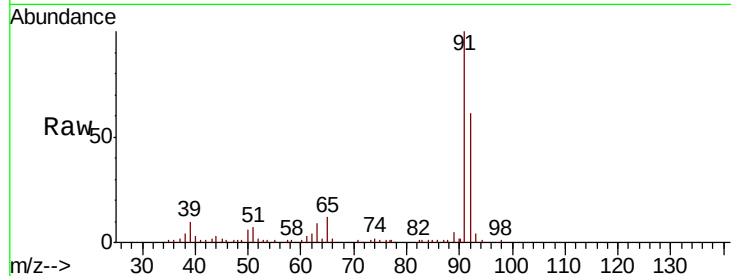
VSTD0.534

Tot Ion: 91 Resp: 33972

Ion Ratio Lower Upper

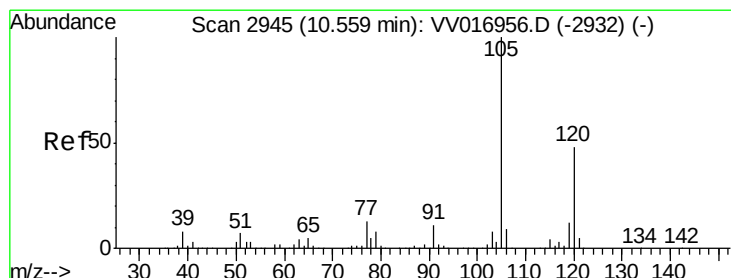
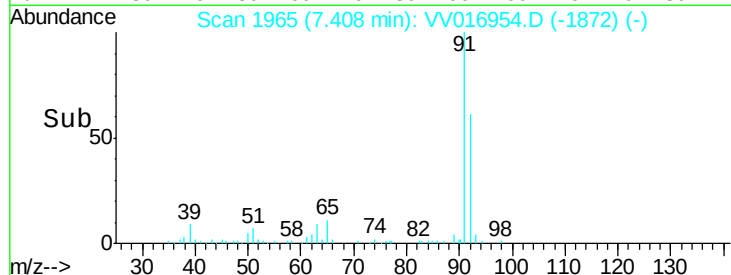
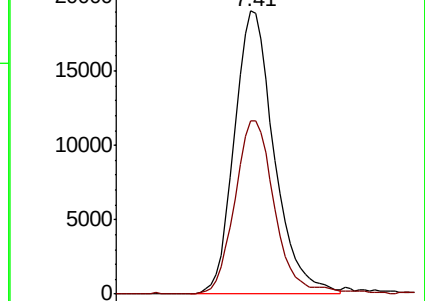
91 100

92 61.2 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV016954.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV016954.D (-1872) (-)



#43

1,3,5-Trimethylbenzene

Concen: 0.432 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016954.D

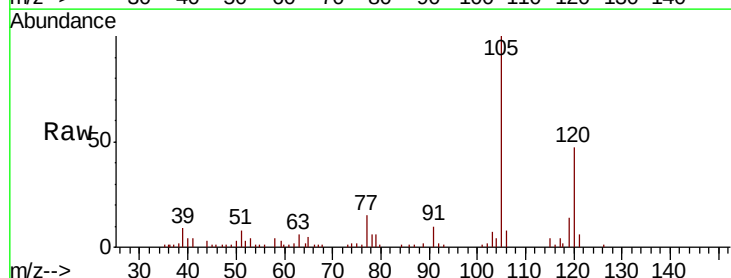
Acq: 17 Jun 2020 09:24

Tgt Ion:105 Resp: 23752

Ion Ratio Lower Upper

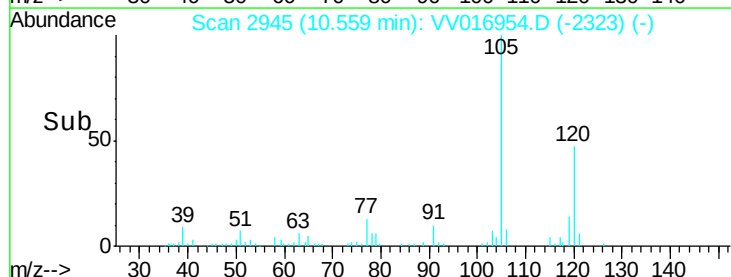
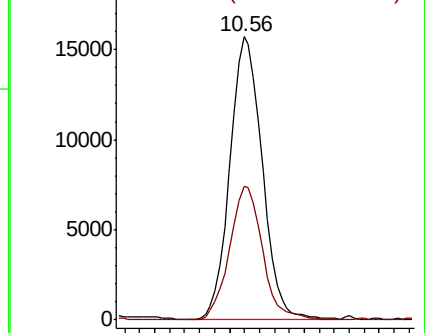
105 100

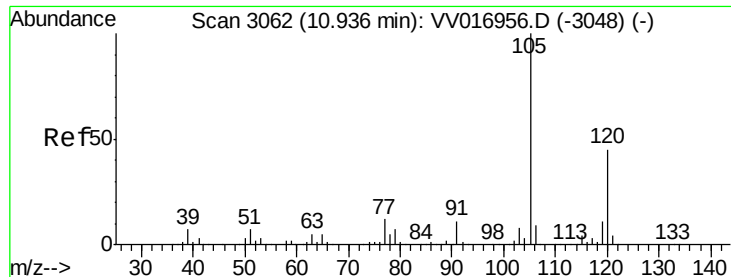
120 47.7 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV016954.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV016954.D (-2323) (-)

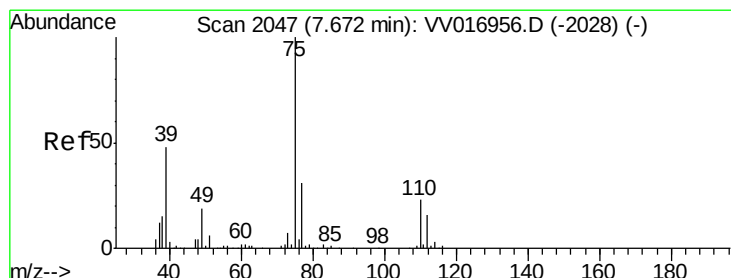
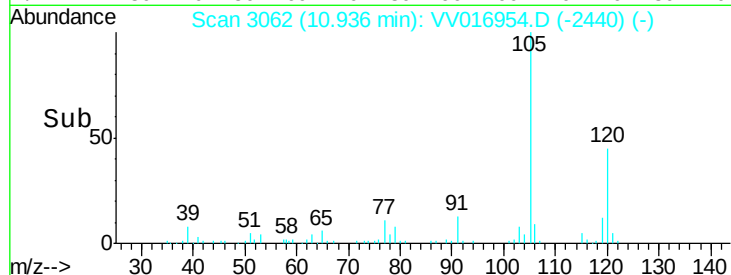
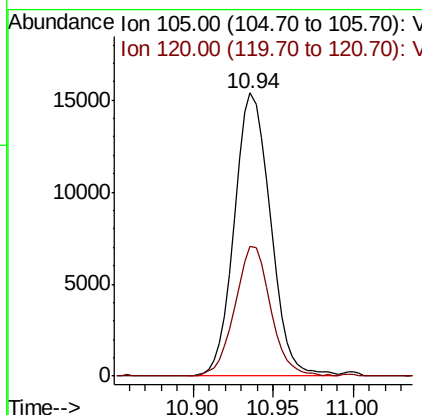
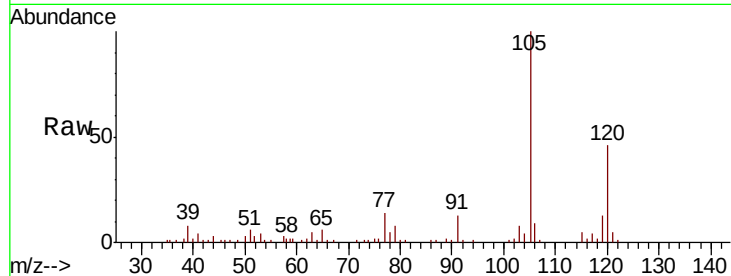




#44
 1,2,4-Trimethylbenzene
 Concen: 0.421 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

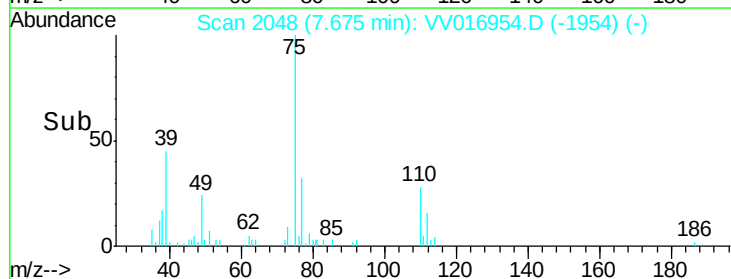
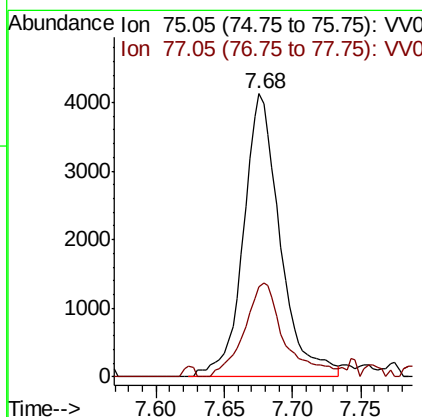
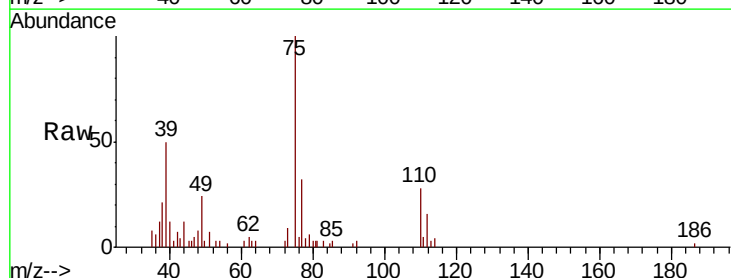
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

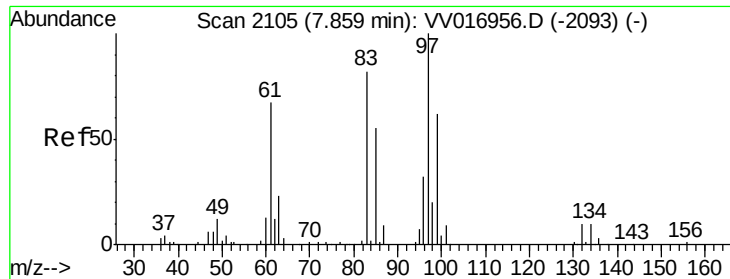
Tot Ion:105 Resp: 23712
 Ion Ratio Lower Upper
 105 100
 120 45.2 35.8 53.8



#46
 trans-1,3-Dichloropropene
 Concen: 0.475 ug/L
 RT: 7.68 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

Tgt Ion: 75 Resp: 7705
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.3

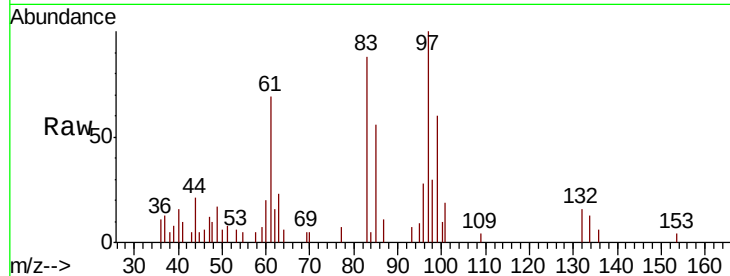




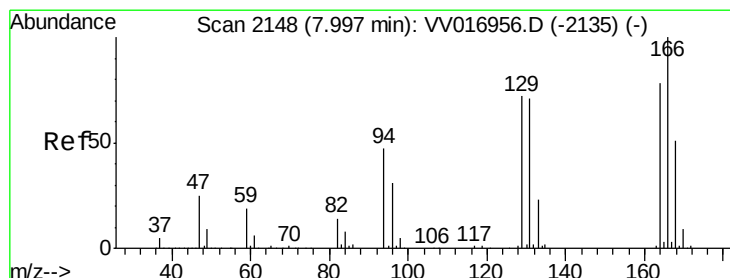
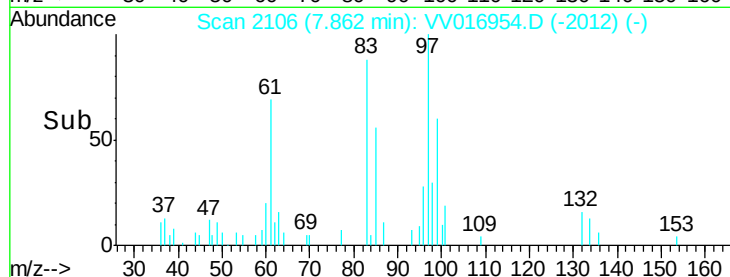
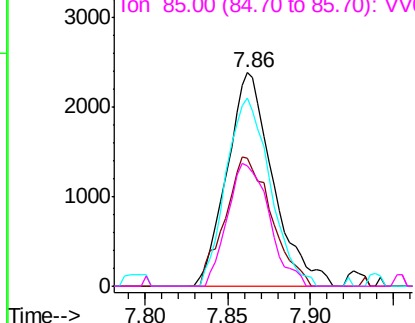
#47
 1,1,2-Trichloroethane
 Concen: 0.485 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

Tot Ion:	97	Resp:	4586
Ion	Ratio	Lower	Upper
97	100		
99	60.0	43.6	81.0
83	88.2	57.4	106.6
85	56.5	38.8	72.0

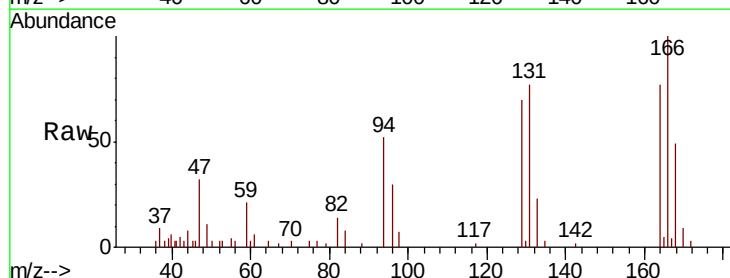


Abundance Ion 96.95 (96.65 to 97.65): VV016954.D (-2102) (-)
 Ion 99.05 (98.75 to 99.75): VV016954.D (-2102) (-)
 Ion 82.95 (82.65 to 83.65): VV016954.D (-2102) (-)
 Ion 85.00 (84.70 to 85.70): VV016954.D (-2102) (-)

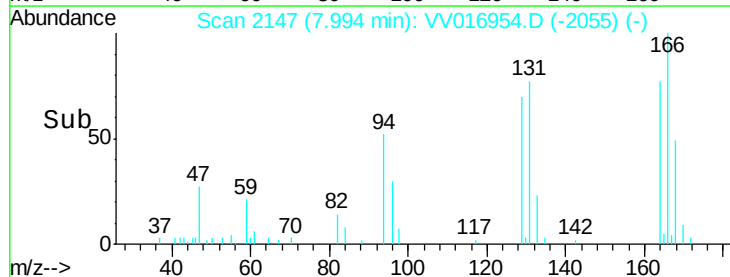
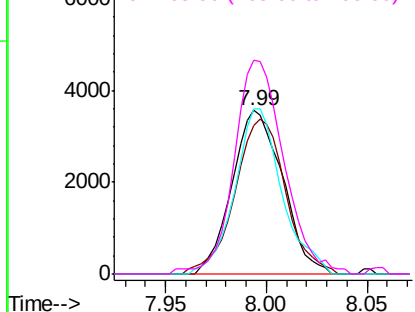


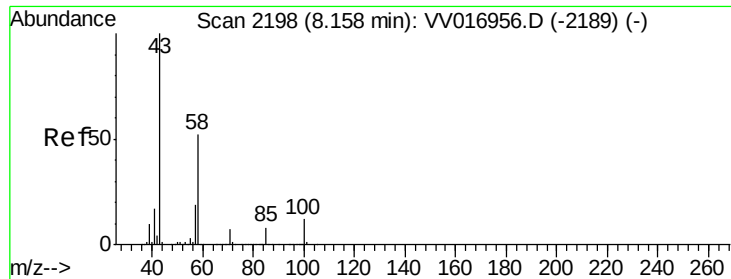
#49
 Tetrachloroethene
 Concen: 0.540 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

Tgt Ion:	164	Resp:	6252
Ion	Ratio	Lower	Upper
164	100		
129	91.0	65.2	121.0
131	100.9	64.1	119.1
166	130.5	90.2	167.4



Abundance Ion 163.90 (163.60 to 164.60): VV016954.D (-2147) (-)
 Ion 128.95 (128.65 to 129.65): VV016954.D (-2147) (-)
 Ion 130.95 (130.65 to 131.65): VV016954.D (-2147) (-)
 Ion 165.90 (165.60 to 166.60): VV016954.D (-2147) (-)

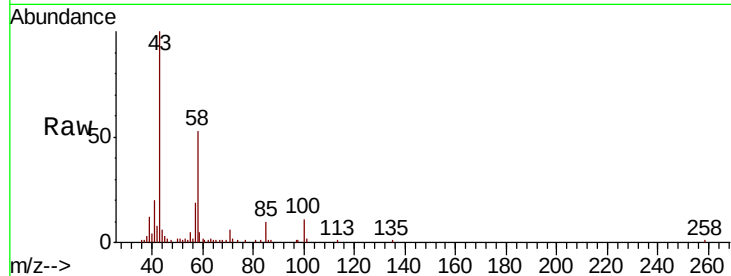




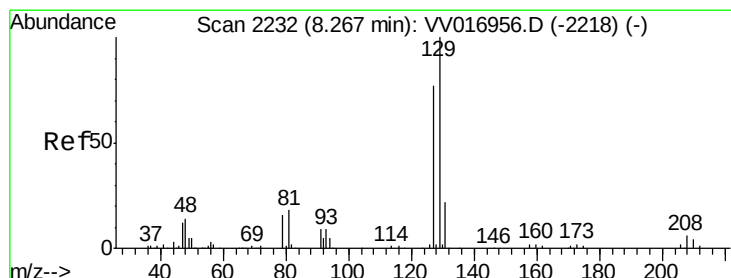
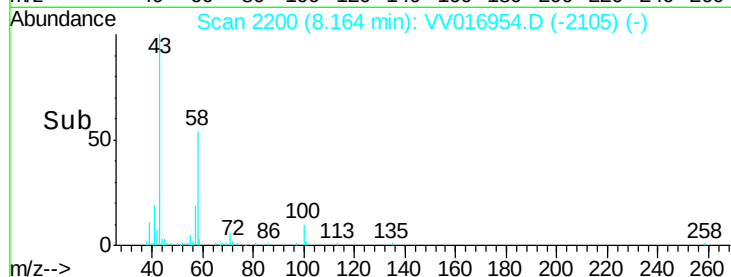
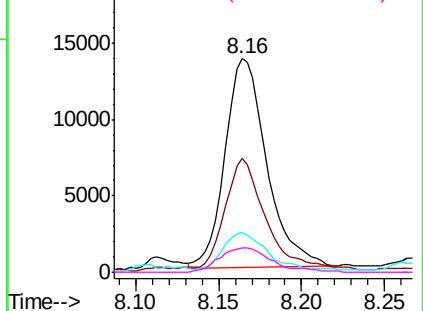
#50
2-Hexanone
Concen: 3.925 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV016954.D
Acq: 17 Jun 2020 09:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

Tot Ion: 43 Resp: 23798
Ion Ratio Lower Upper
43 100
58 53.6 41.6 62.4
57 17.5 15.4 23.0
100 14.9 10.1 15.1

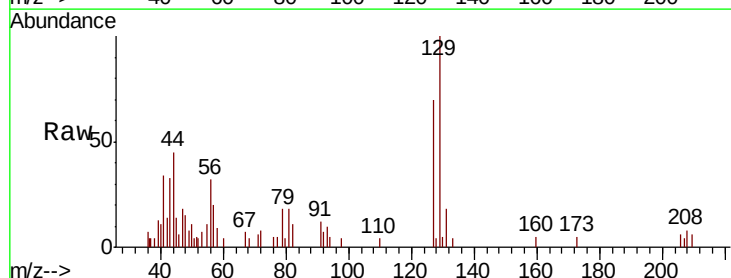


Abundance Ion 43.05 (42.75 to 43.75): VV016954.D (-2105) (-)
Ion 58.05 (57.75 to 58.75): VV016954.D (-2105) (-)
Ion 57.20 (56.90 to 57.90): VV016954.D (-2105) (-)
Ion 100.15 (99.85 to 100.85): VV016954.D (-2105) (-)

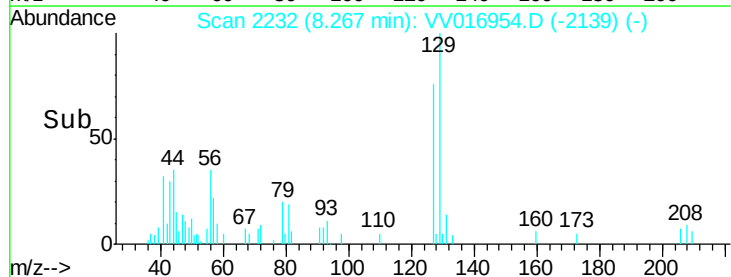
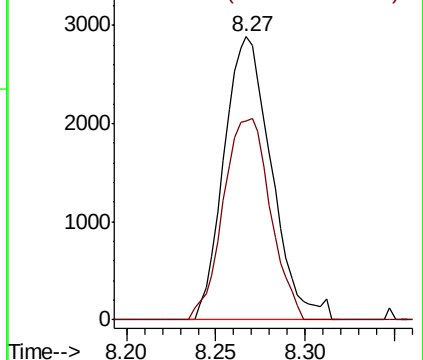


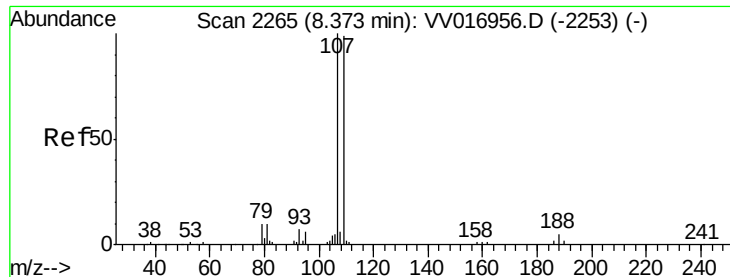
#51
Dibromochloromethane
Concen: 0.518 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016954.D
Acq: 17 Jun 2020 09:24

Tgt Ion: 129 Resp: 5319
Ion Ratio Lower Upper
129 100
127 70.1 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): VV016954.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV016954.D (-2139) (-)

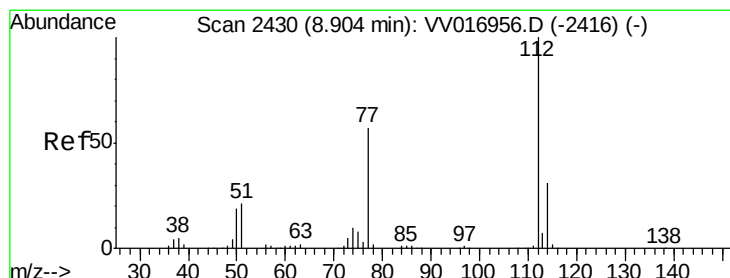
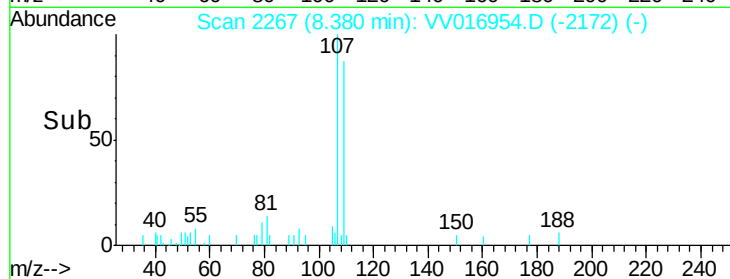
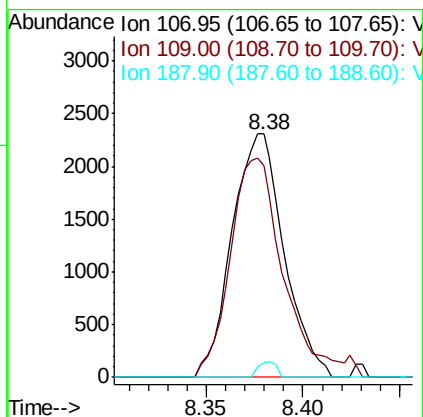
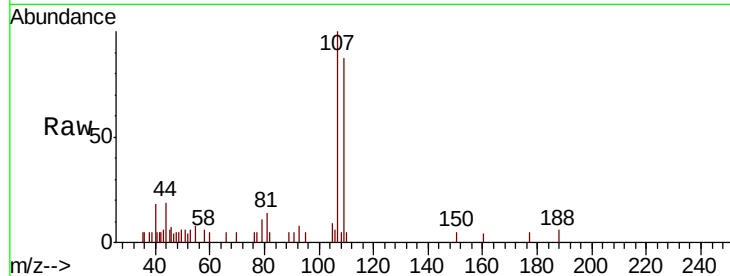




#52
1,2-Dibromoethane
Concen: 0.483 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV016954.D
Acq: 17 Jun 2020 09:24

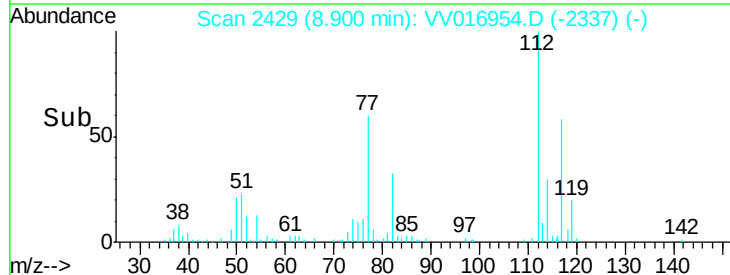
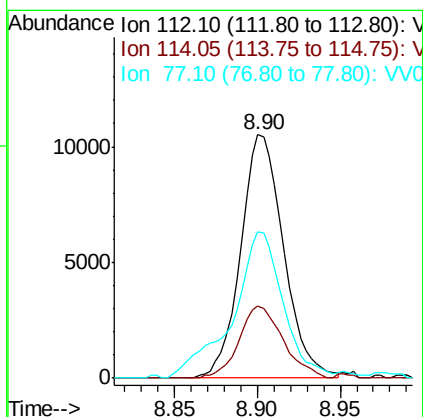
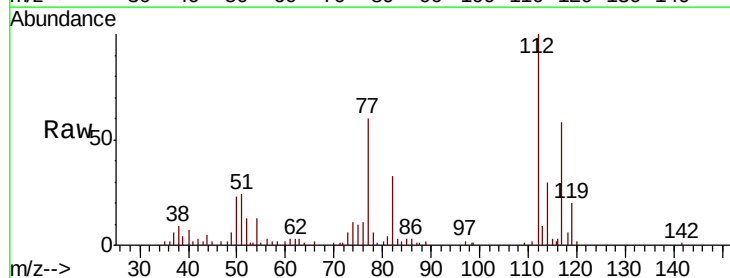
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

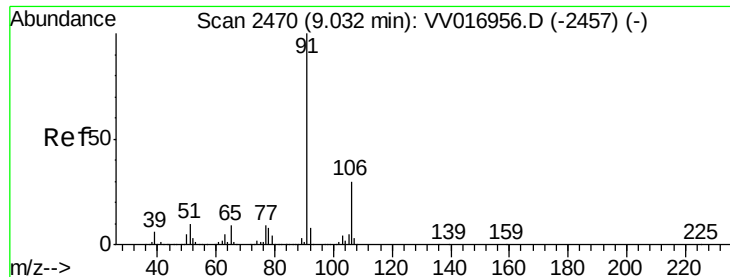
Tot Ion:107 Resp: 4311
Ion Ratio Lower Upper
107 100
109 87.2 69.4 128.8
188 6.1 3.9 5.9#



#53
Chlorobenzene
Concen: 0.484 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV016954.D
Acq: 17 Jun 2020 09:24

Tgt Ion:112 Resp: 18929
Ion Ratio Lower Upper
112 100
114 29.5 22.0 41.0
77 60.2 46.0 69.0





#54

Ethylbenzene

Concen: 0.457 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

Instrument :

MSVOA_V

ClientSampleId :

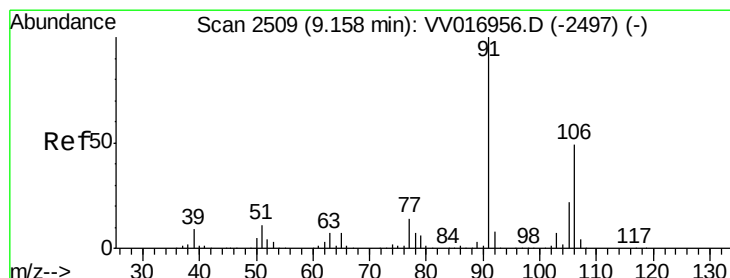
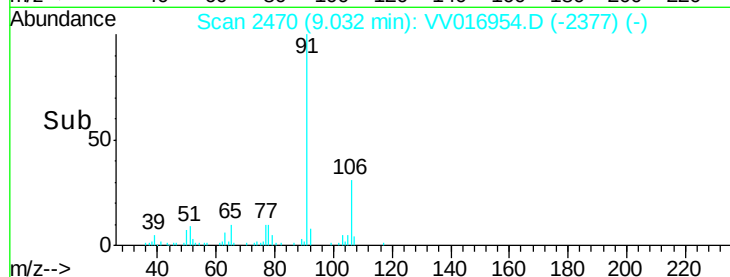
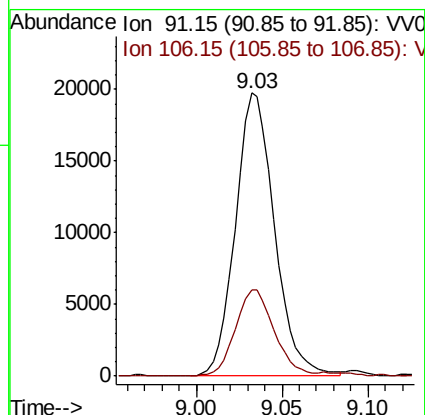
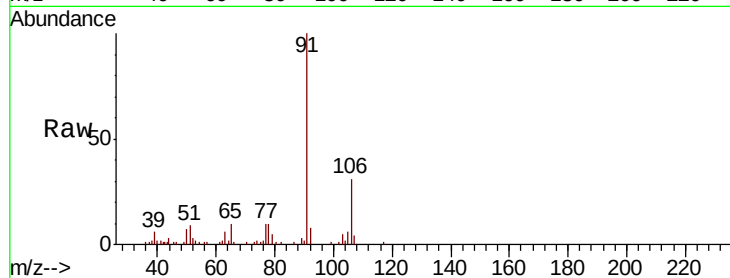
VSTD0.534

Tot Ion: 91 Resp: 31165

Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.1



#55

m,p-xylene

Concen: 0.517 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016954.D

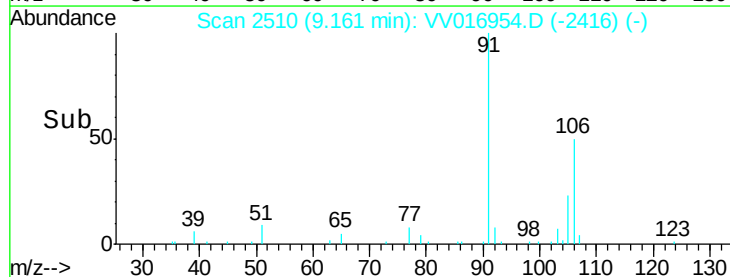
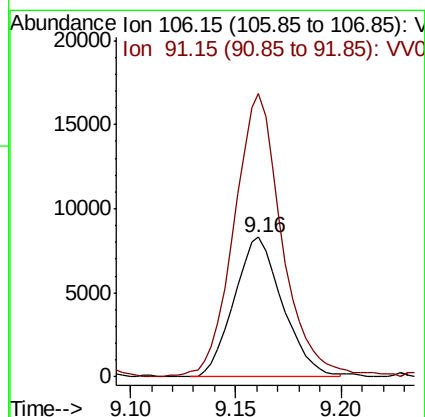
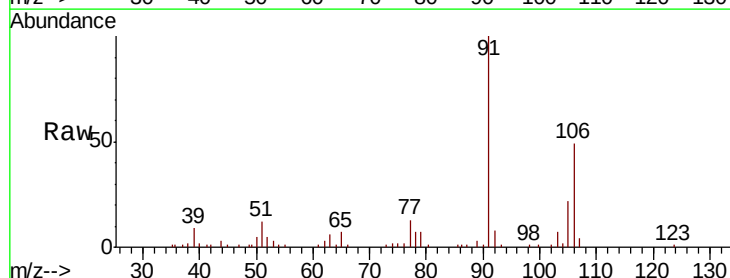
Acq: 17 Jun 2020 09:24

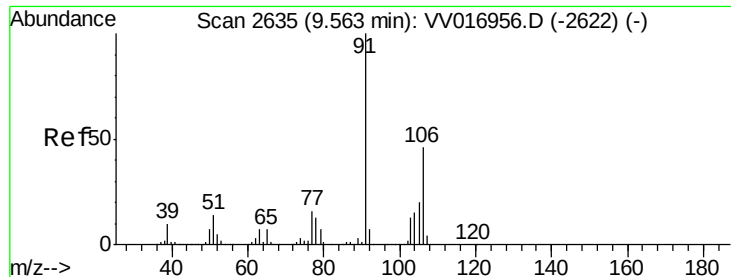
Tgt Ion: 106 Resp: 13260

Ion Ratio Lower Upper

106 100

91 202.8 142.7 264.9





#56

o-xylene

Concen: 0.473 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

Instrument :

MSVOA_V

ClientSampleId :

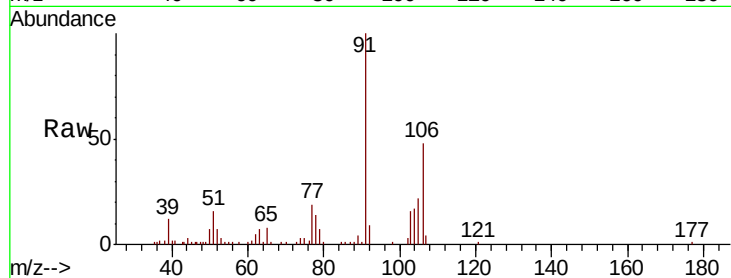
VSTD0.534

Tot Ion:106 Resp: 11399

Ion Ratio Lower Upper

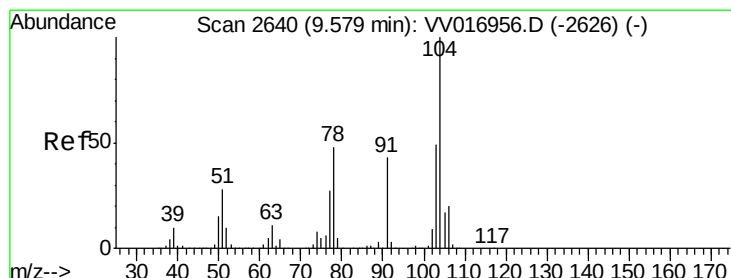
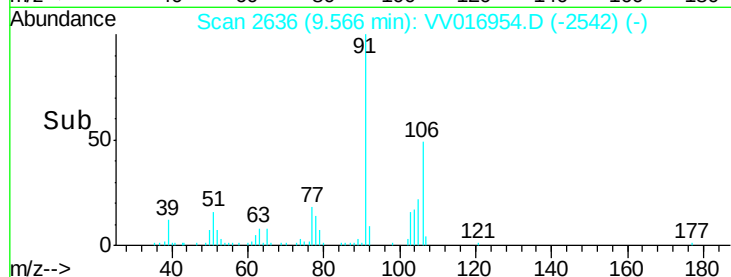
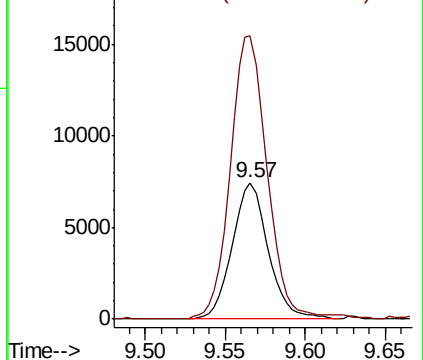
106 100

91 207.5 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#57

Styrene

Concen: 0.435 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016954.D

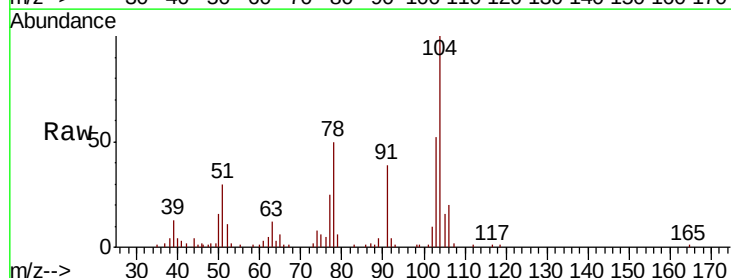
Acq: 17 Jun 2020 09:24

Tgt Ion:104 Resp: 17806

Ion Ratio Lower Upper

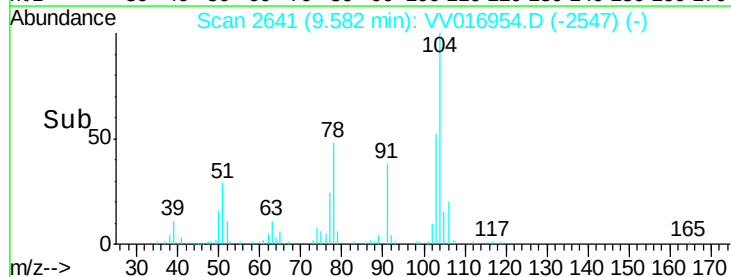
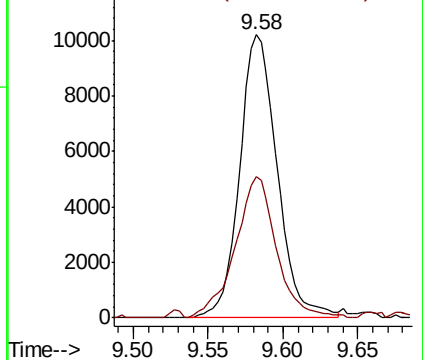
104 100

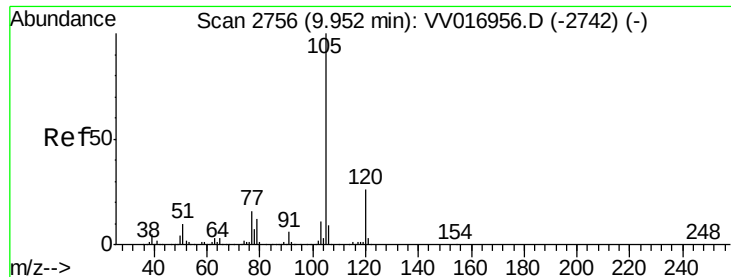
78 49.7 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 0.453 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

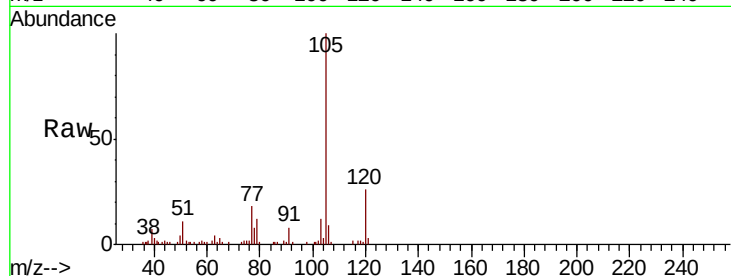
Tot Ion:105 Resp: 29936

Ion Ratio Lower Upper

105 100

120 27.2 21.2 31.8

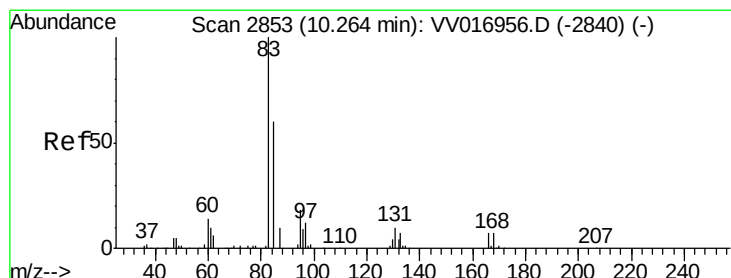
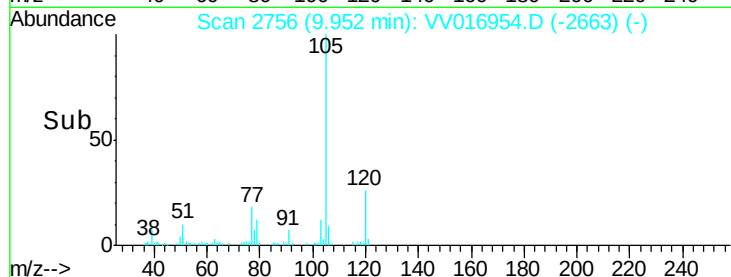
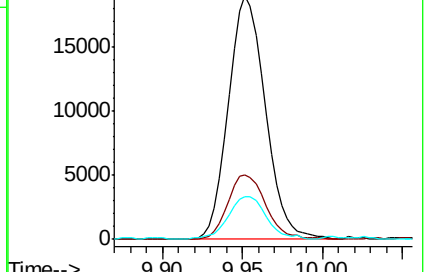
77 18.1 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): VV016954.D (-2663) (-)

Ion 120.10 (119.80 to 120.80): VV016954.D (-2663) (-)

Ion 77.10 (76.80 to 77.80): VV016954.D (-2663) (-)



#60

1,1,2,2-Tetrachloroethane

Concen: 0.384 ug/L

RT: 10.27 min Scan# 2855

Delta R.T. 0.01 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

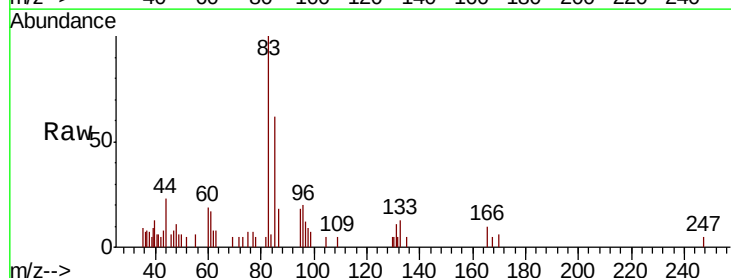
Tgt Ion: 83 Resp: 4451

Ion Ratio Lower Upper

83 100

85 62.3 42.9 79.7

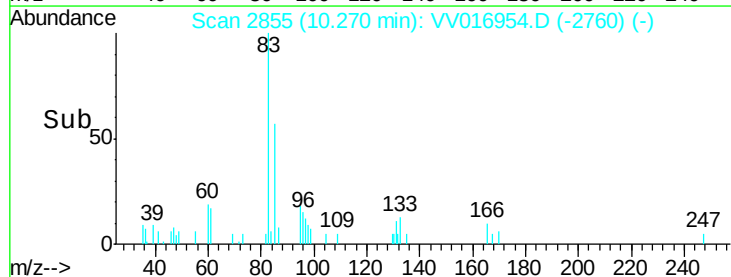
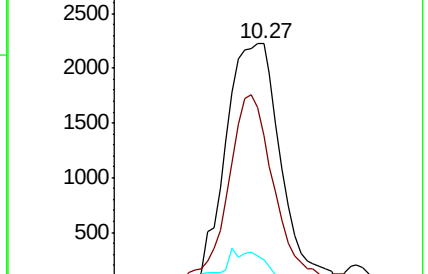
131 11.1 8.6 13.0

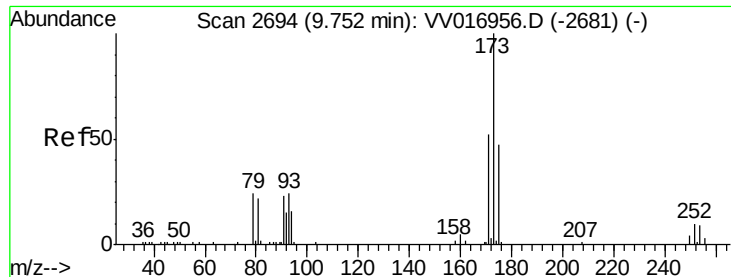


Abundance Ion 82.95 (82.65 to 83.65): VV016954.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV016954.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV016954.D (-2760) (-)





#62

Bromoform

Concen: 0.574 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

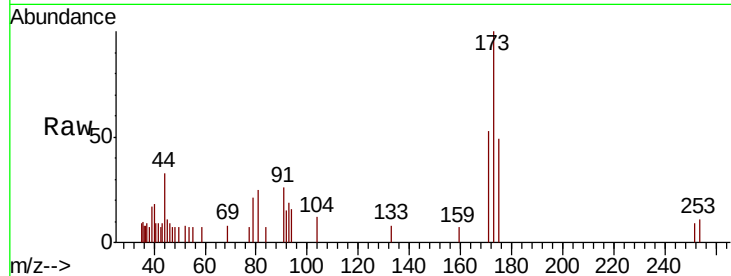
Tot Ion:173 Resp: 2553

Ion Ratio Lower Upper

173 100

175 51.2 39.4 59.2

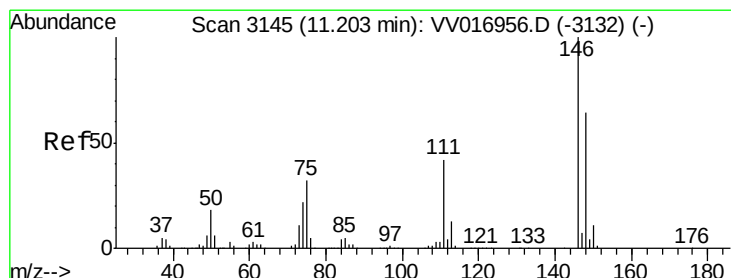
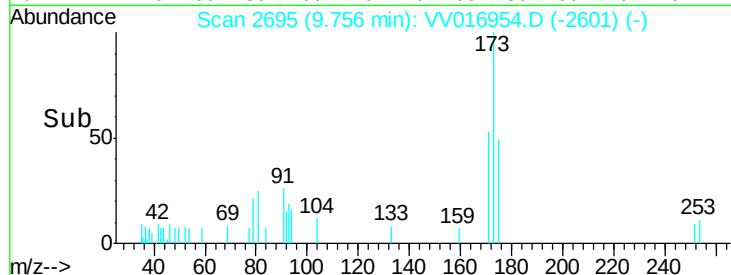
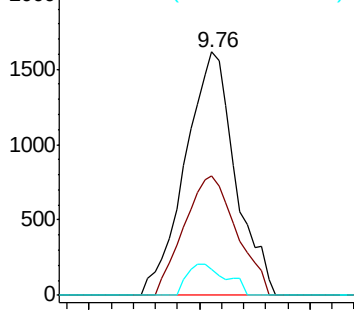
254 10.1 7.4 11.2



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: 0.498 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV016954.D

Acq: 17 Jun 2020 09:24

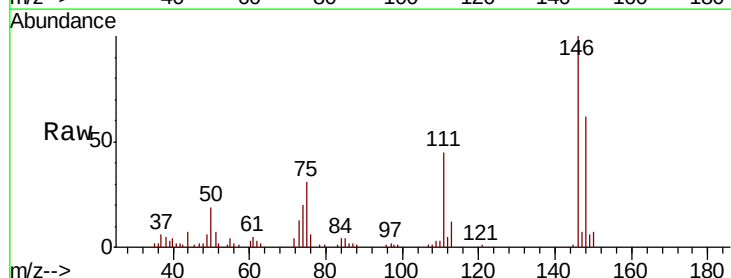
Tgt Ion:146 Resp: 15210

Ion Ratio Lower Upper

146 100

111 45.5 29.2 54.2

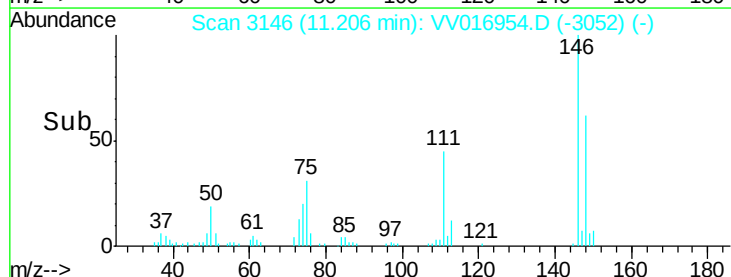
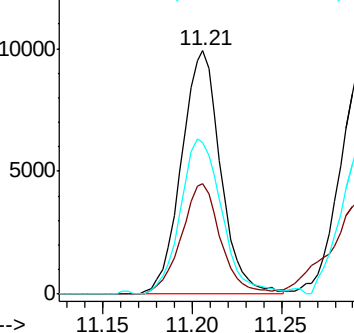
148 62.4 44.9 83.5

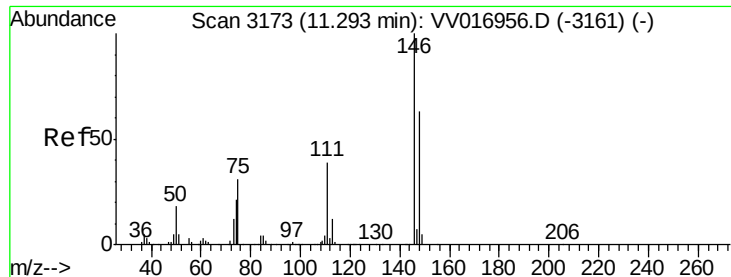


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

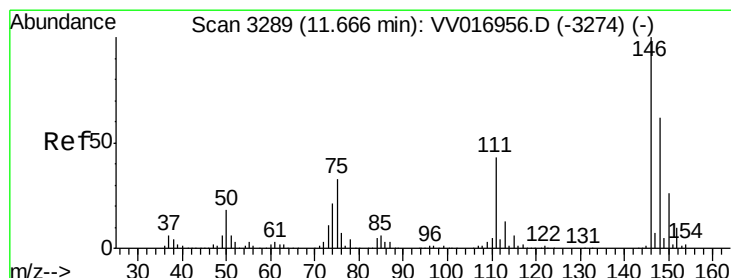
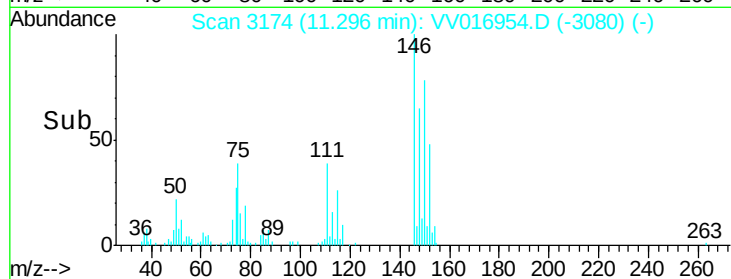
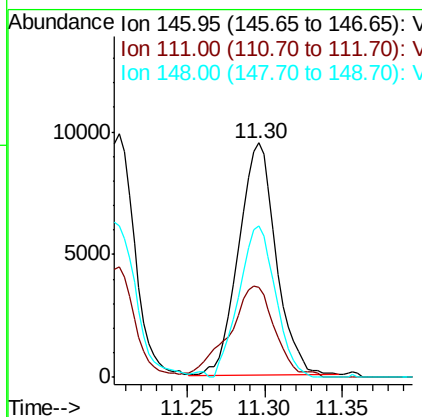
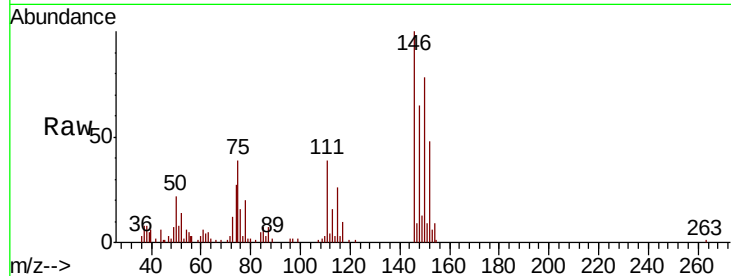




#64
 1,4-Dichlorobenzene
 Concen: 0.505 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

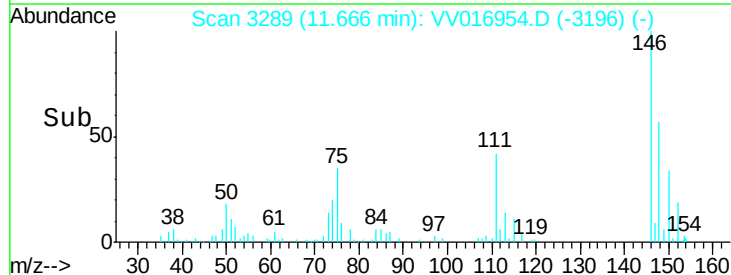
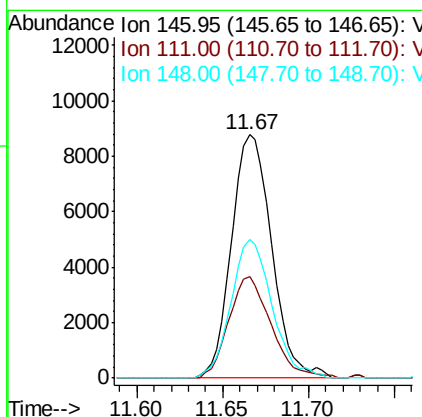
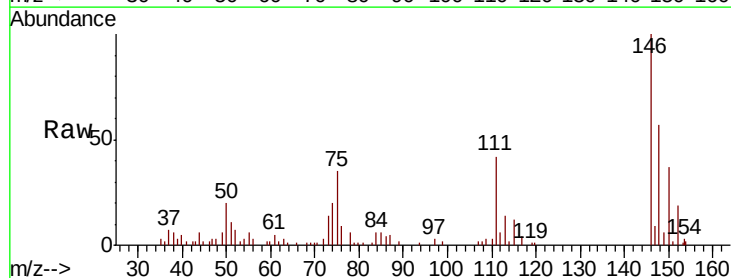
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

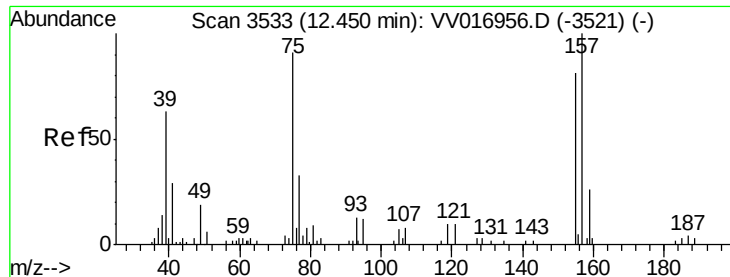
Tot Ion:146 Resp: 15971
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.4 50.8
 148 64.9 44.3 82.3



#66
 1,2-Dichlorobenzene
 Concen: 0.500 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

Tgt Ion:146 Resp: 14283
 Ion Ratio Lower Upper
 146 100
 111 41.6 34.4 51.6
 148 57.0 49.9 74.9

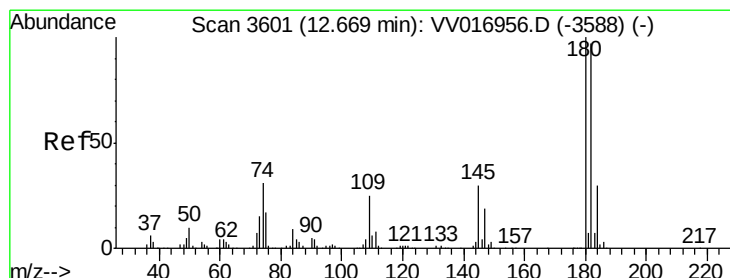
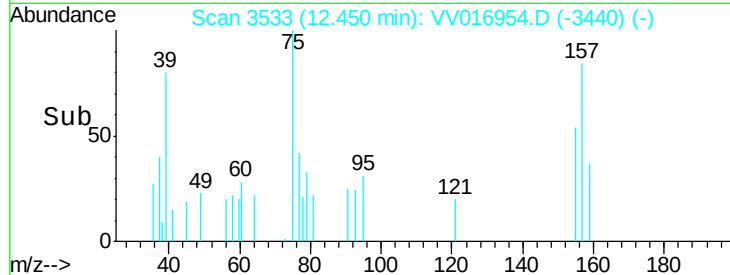
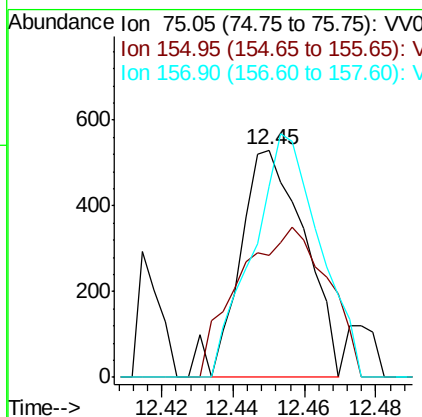
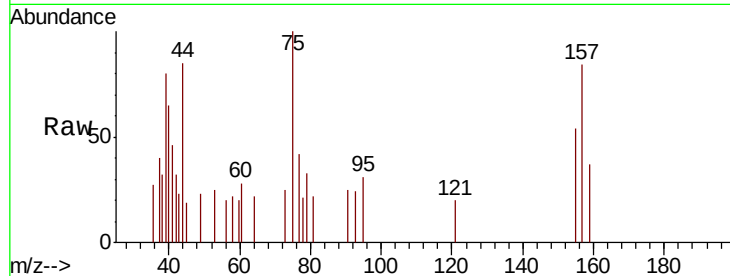




#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.373 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

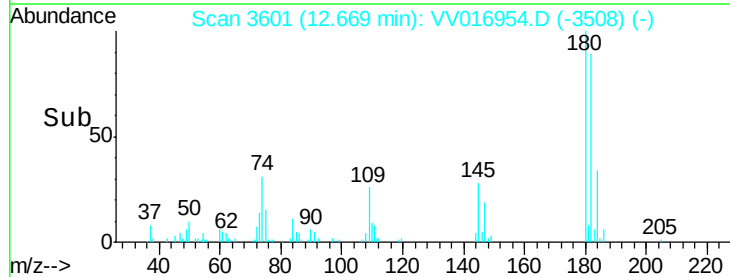
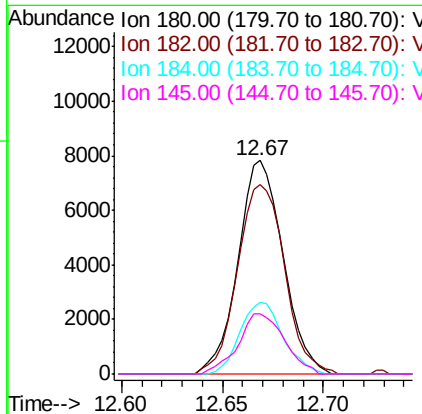
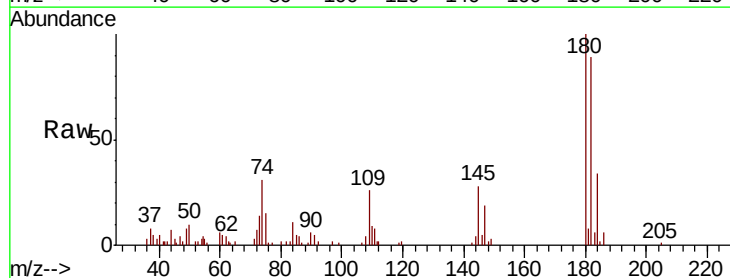
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

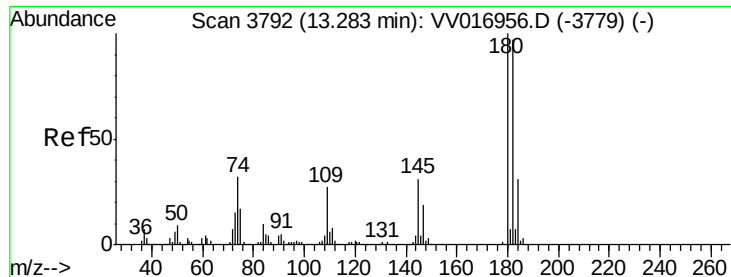
Tot Ion: 75 Resp: 668
 Ion Ratio Lower Upper
 75 100
 155 53.8 71.1 106.7#
 157 84.2 88.3 132.5#



#68
 1,3,5-Trichlorobenzene
 Concen: 0.543 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

Tgt Ion: 180 Resp: 12243
 Ion Ratio Lower Upper
 180 100
 182 92.9 77.4 116.2
 184 32.3 24.2 36.4
 145 29.0 24.3 36.5

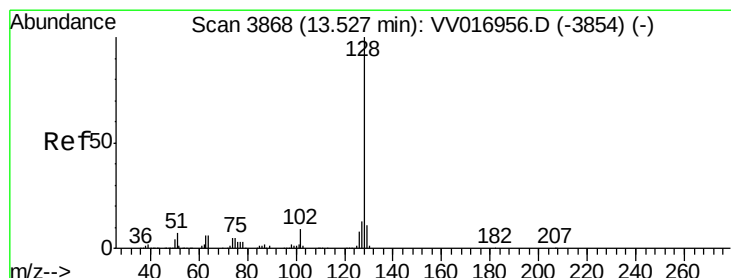
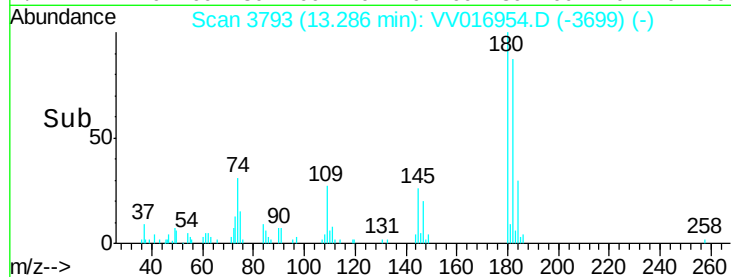
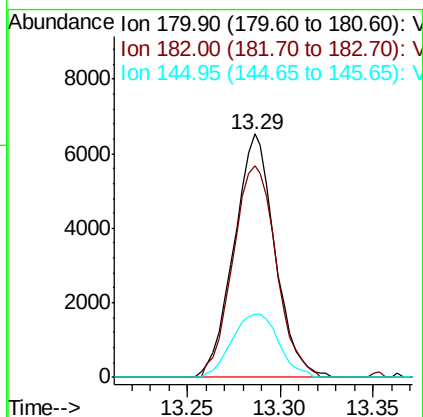
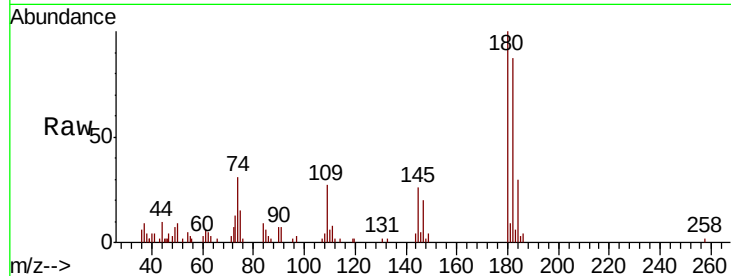




#69
 1,2,4-trichlorobenzene
 Concen: 0.520 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

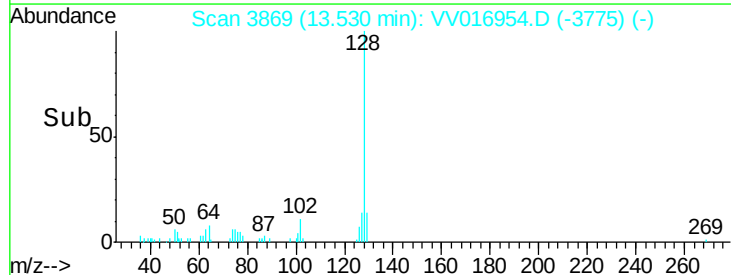
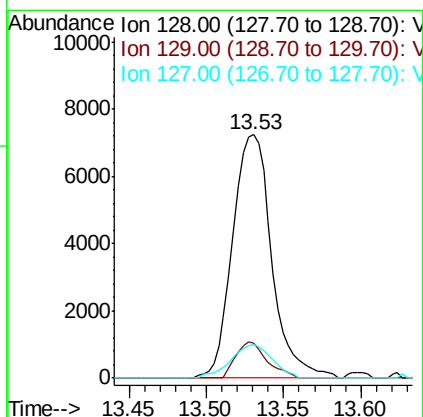
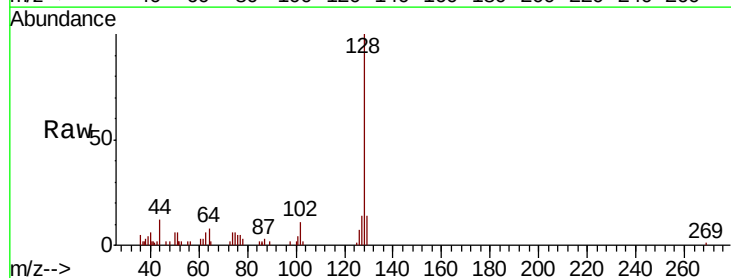
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

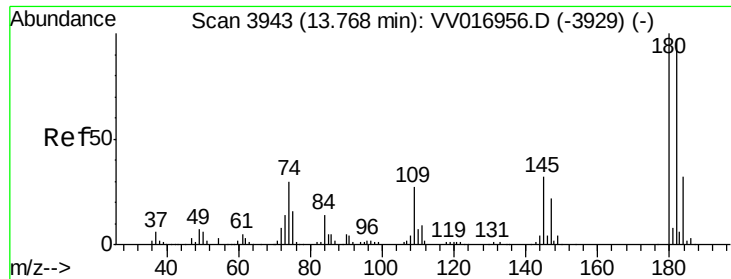
Tot Ion:180 Resp: 10023
 Ion Ratio Lower Upper
 180 100
 182 91.9 76.6 114.8
 145 29.7 25.0 37.6



#70
 Naphthalene
 Concen: 0.290 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

Tgt Ion:128 Resp: 12777
 Ion Ratio Lower Upper
 128 100
 129 11.8 8.8 13.2
 127 14.5 10.5 15.7

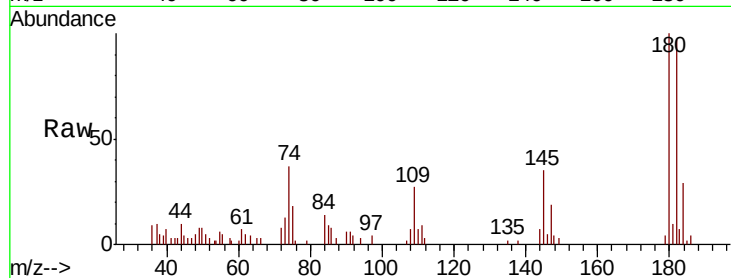




#71
 1,2,3-Trichlorobenzene
 Concen: 0.462 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016954.D
 Acq: 17 Jun 2020 09:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

Tot Ion:180 Resp: 7798
 Ion Ratio Lower Upper
 180 100
 182 101.5 77.4 116.0
 145 35.1 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

