

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061720\
 Data File : VV016965.D
 Acq On : 17 Jun 2020 17:32
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Quant Time: Jun 18 01:50:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 01:31:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	204041	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	187673	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	102616	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58794	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.58	69	46480	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.13	63	109851	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	3.93	46	161764	51.83	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.66%
24) Chloroform-d	4.38	84	124829	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.06	65	69162	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.07	84	251759	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.10	67	72964	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.34	98	232318	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
45) trans-1,3-Dichloropropene-	7.64	79	29456	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
48) 2-Hexanone-d5	8.11	63	121585	52.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.12%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	49637	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	90012	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	80029	4.913	ug/L 99
3) Chloromethane	1.25	50	65406	4.739	ug/L 98
5) Vinyl chloride	1.32	62	64435	4.813	ug/L 99
6) Bromomethane	1.53	94	37294	4.779	ug/L 98
8) Chloroethane	1.60	64	37562	5.076	ug/L 99
9) Trichlorofluoromethane	1.77	101	103501	4.774	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	52598	4.867	ug/L 99
12) 1,1-Dichloroethene	2.13	96	47015	4.801	ug/L 89
13) Acetone	2.22	43	78555	49.790	ug/L 98
14) Carbon disulfide	2.31	76	139444	4.753	ug/L 98
15) Methyl Acetate	2.45	43	18570	4.814	ug/L 98
16) Methylene chloride	2.52	84	51501	4.911	ug/L 98
17) Methyl tert-butyl Ether	2.79	73	119153	4.846	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	50369	4.854	ug/L 98
19) 1,1-Dichloroethane	3.21	63	106104	4.551	ug/L 98
21) 2-Butanone	4.02	43	155940	52.433	ug/L 99
22) cis-1,2-Dichloroethene	3.94	96	70133	4.942	ug/L 99

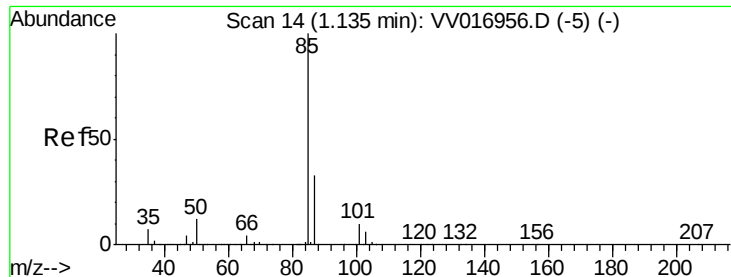
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061720\
 Data File : VV016965.D
 Acq On : 17 Jun 2020 17:32
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 01:31:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	30416	5.044	ug/L	92
25) Chloroform	4.40	83	131764	5.174	ug/L	99
27) 1,2-Dichloroethane	5.16	62	79987	5.055	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	114309	5.084	ug/L	98
30) Cyclohexane	4.70	56	106140	4.961	ug/L	99
31) Carbon tetrachloride	4.85	117	101757	5.016	ug/L	99
33) Benzene	5.12	78	254935	5.187	ug/L	100
34) Trichloroethene	5.94	95	73933	5.137	ug/L	96
35) Methylcyclohexane	6.15	83	111858	5.000	ug/L	99
37) 1,2-Dichloropropane	6.20	63	63091	5.186	ug/L	98
38) Bromodichloromethane	6.53	83	83675	5.063	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	90310	4.996	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	369842	52.649	ug/L	100
42) Toluene	7.41	91	280416	4.907	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	263086	5.149	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	271179	5.212	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	77334	4.946	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	44156	5.117	ug/L	97
49) Tetrachloroethene	8.00	164	58086	5.014	ug/L	98
50) 2-Hexanone	8.16	43	267610	53.532	ug/L	99
51) Dibromochloromethane	8.27	129	53803	5.144	ug/L	97
52) 1,2-Dibromoethane	8.38	107	41505	5.072	ug/L	94
53) Chlorobenzene	8.90	112	179595	5.042	ug/L	99
54) Ethylbenzene	9.03	91	311178	5.102	ug/L	99
55) m,p-xylene	9.16	106	120572	5.040	ug/L	99
56) o-xylene	9.56	106	113834	5.099	ug/L	98
57) Styrene	9.58	104	195437	5.283	ug/L	97
58) Isopropylbenzene	9.95	105	318126	5.178	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	47098	5.277	ug/L	93
62) Bromoform	9.76	173	27047	4.927	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	151796	4.914	ug/L	97
64) 1,4-Dichlorobenzene	11.29	146	151617	4.829	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	138558	4.942	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.45	75	7003	4.516	ug/L	98
68) 1,3,5-Trichlorobenzene	12.67	180	117992	4.754	ug/L	98
69) 1,2,4-trichlorobenzene	13.28	180	95833	4.690	ug/L	98
70) Naphthalene	13.52	128	136279	4.723	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	80369	4.823	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.913 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

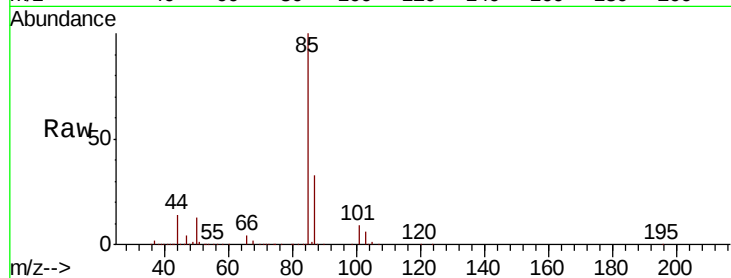
VSTD00551

Tot Ion: 85 Resp: 80029

Ion Ratio Lower Upper

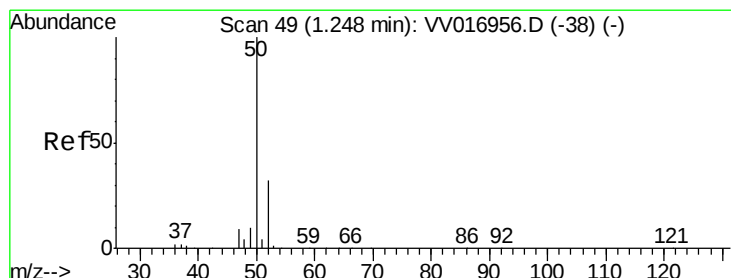
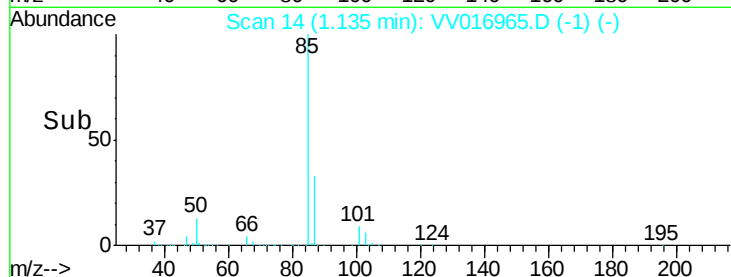
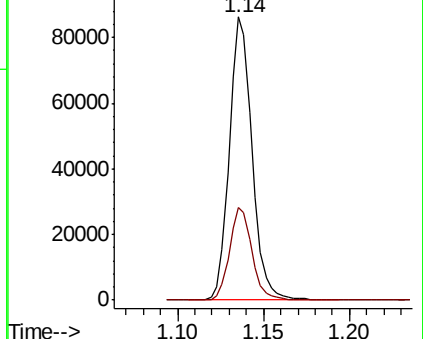
85 100

87 32.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.739 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016965.D

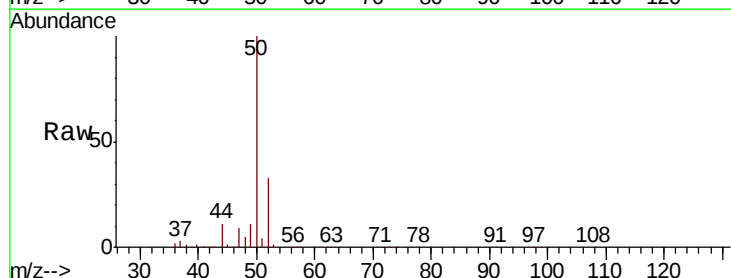
Acq: 17 Jun 2020 17:32

Tgt Ion: 50 Resp: 65406

Ion Ratio Lower Upper

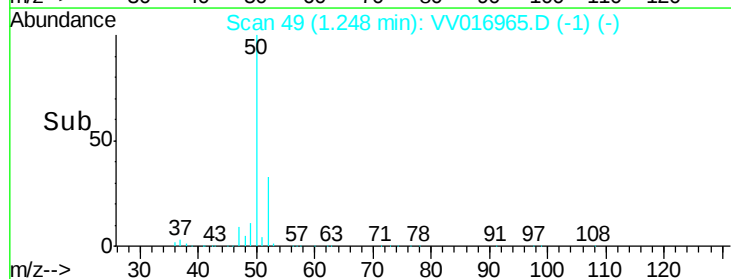
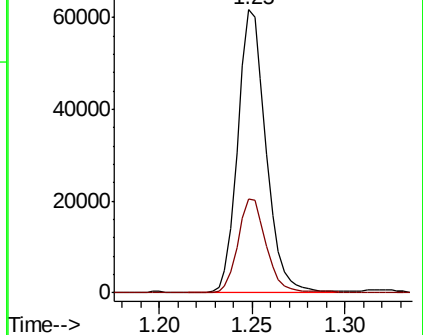
50 100

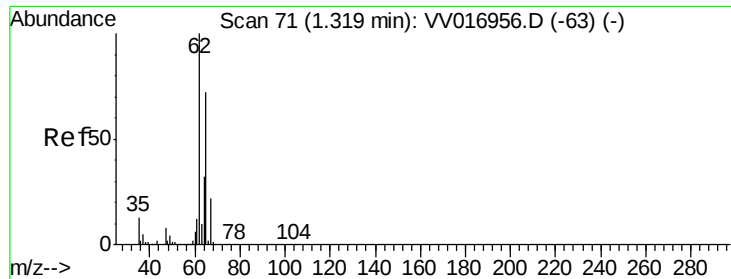
52 33.1 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.813 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

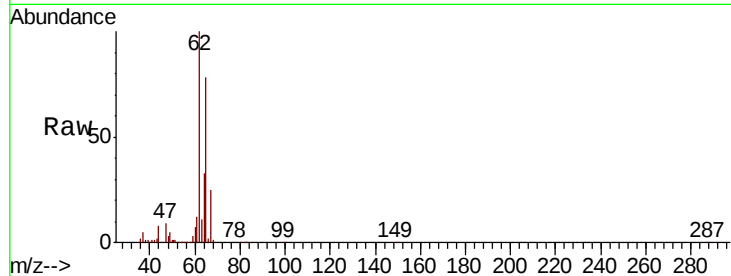
VSTD00551

Tot Ion: 62 Resp: 64435

Ion Ratio Lower Upper

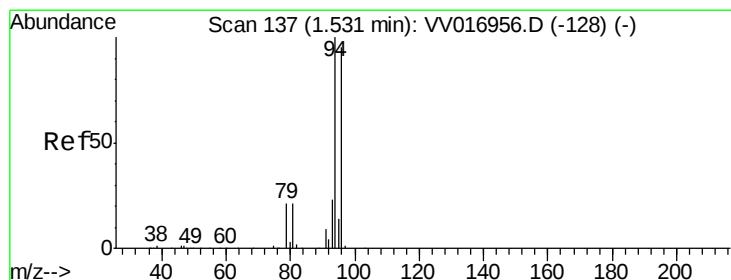
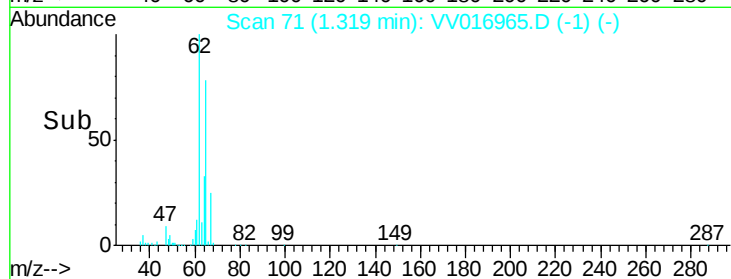
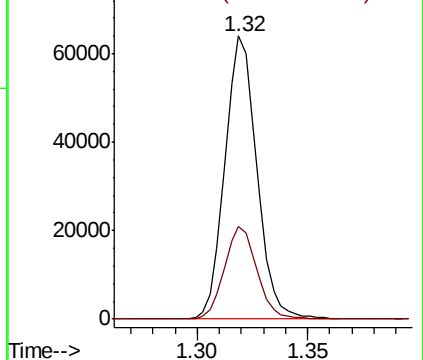
62 100

64 32.9 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: 4.779 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV016965.D

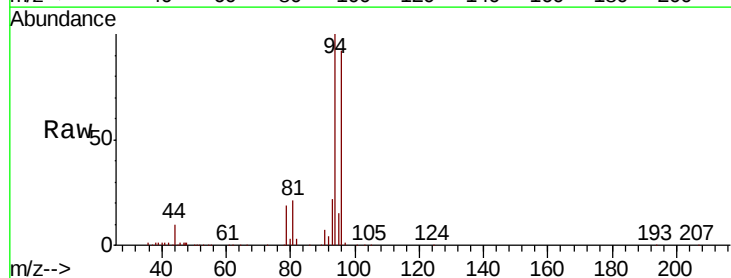
Acq: 17 Jun 2020 17:32

Tgt Ion: 94 Resp: 37294

Ion Ratio Lower Upper

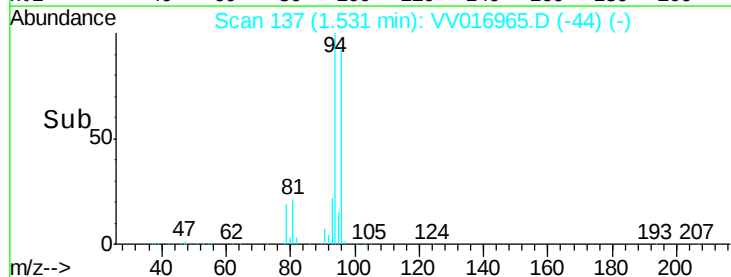
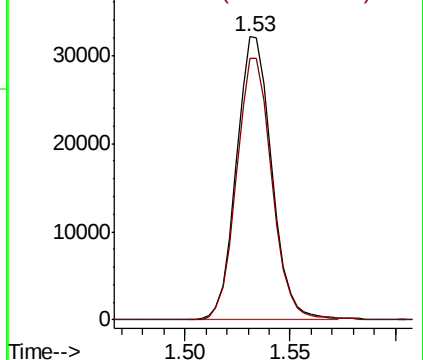
94 100

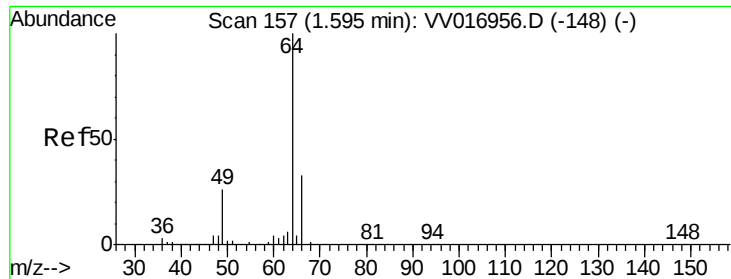
96 92.4 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

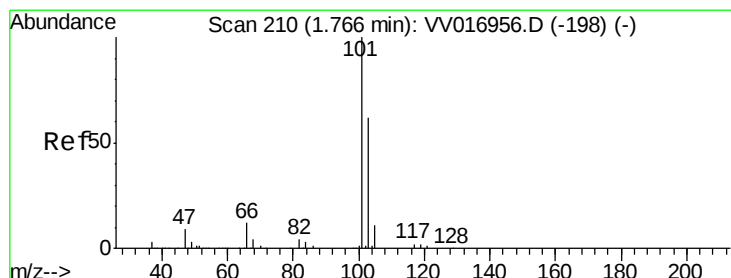
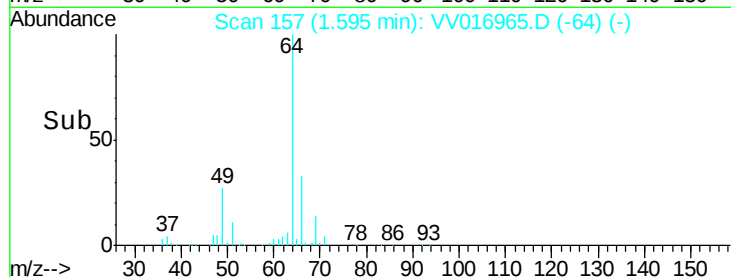
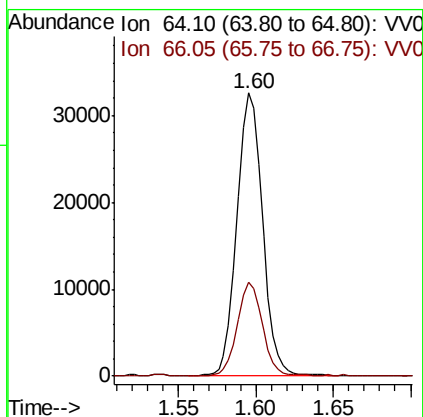
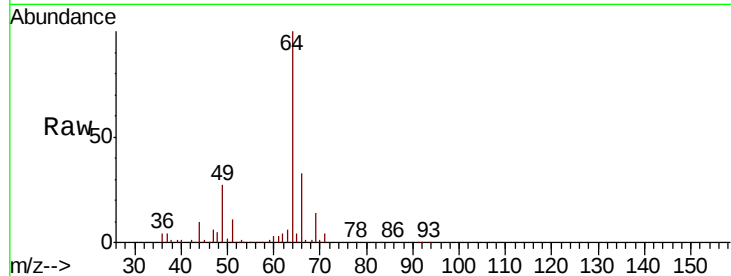




#8
Chloroethane
Concen: 5.076 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV016965.D
Acq: 17 Jun 2020 17:32

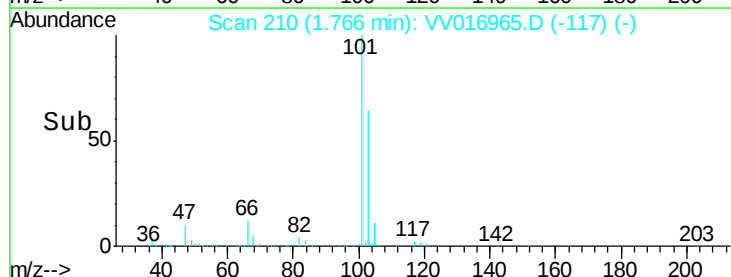
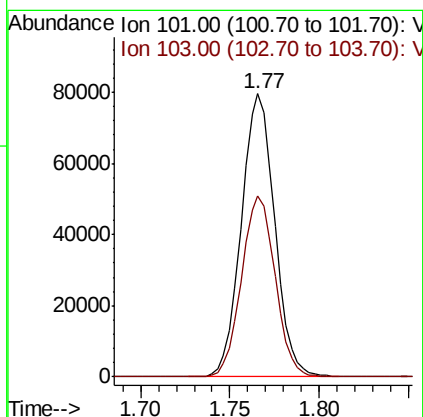
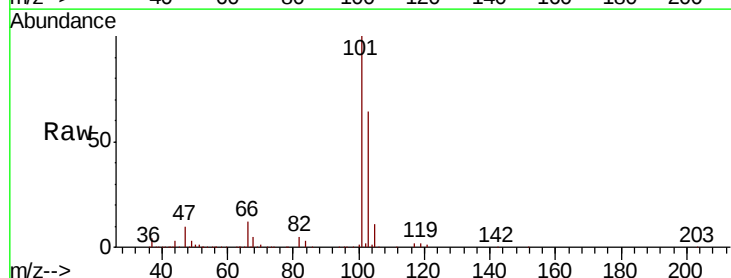
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

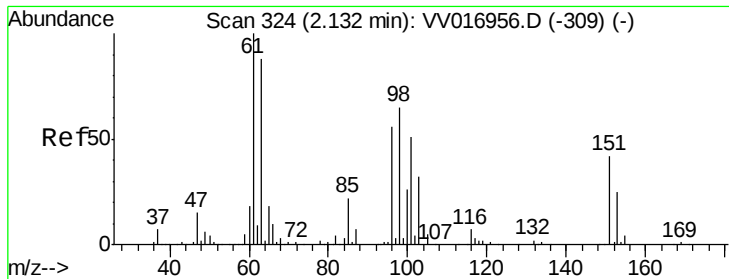
Tot Ion: 64 Resp: 37562
Ion Ratio Lower Upper
64 100
66 33.0 22.8 42.4



#9
Trichlorofluoromethane
Concen: 4.774 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV016965.D
Acq: 17 Jun 2020 17:32

Tgt Ion: 101 Resp: 103501
Ion Ratio Lower Upper
101 100
103 64.3 50.9 76.3





#10

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

Concen: 4.867 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

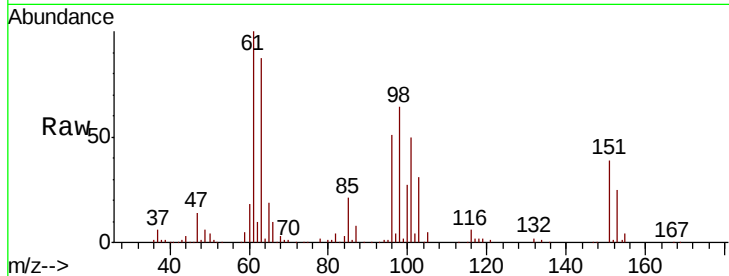
Tot Ion:101 Resp: 52598

Ion Ratio Lower Upper

101 100

85 43.6 35.4 53.2

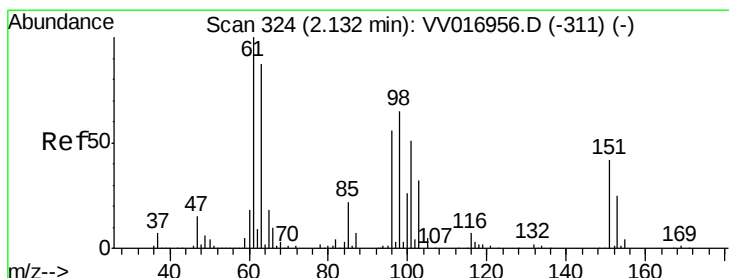
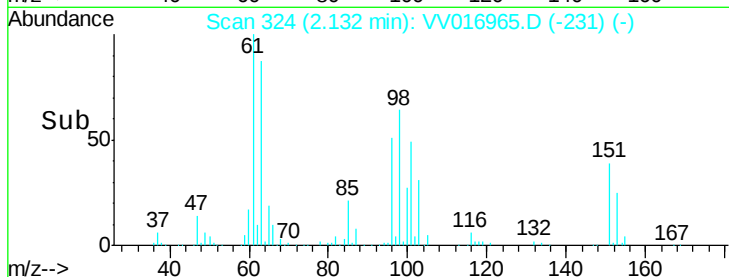
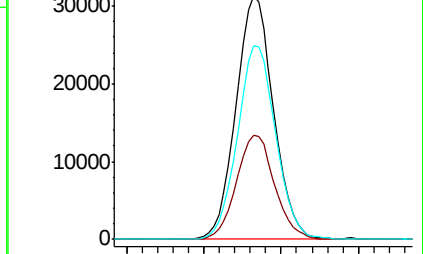
151 81.4 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV016956.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV016956.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV016956.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 4.801 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

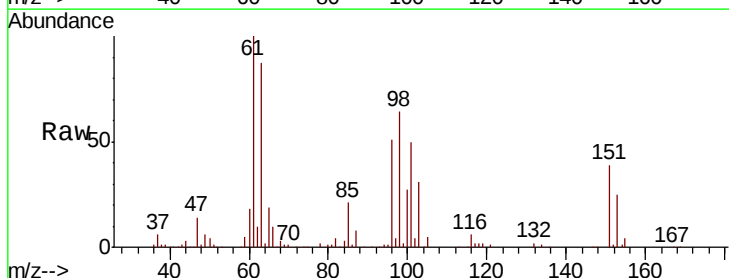
Tgt Ion: 96 Resp: 47015

Ion Ratio Lower Upper

96 100

61 195.2 125.0 232.2

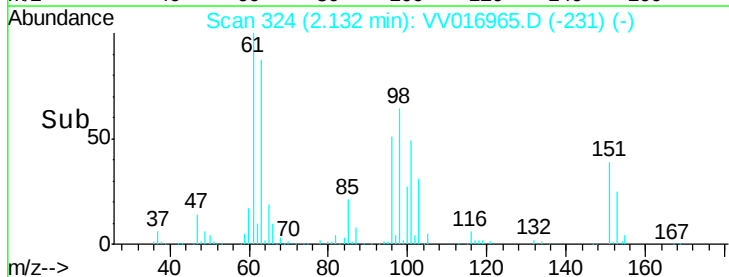
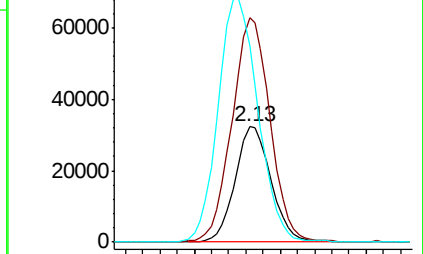
63 169.9 109.8 203.8

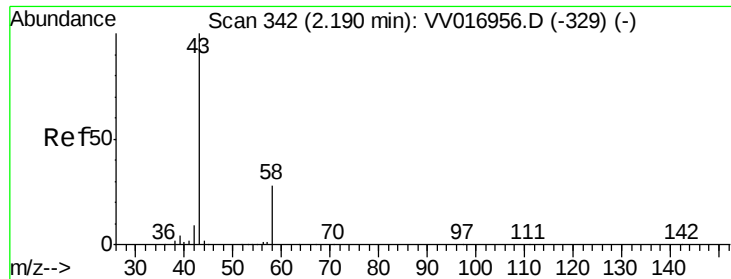


Abundance Ion 96.00 (95.70 to 96.70): VV016956.D (-311) (-)

Ion 61.05 (60.75 to 61.75): VV016956.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV016956.D (-311) (-)





#13

Acetone

Concen: 49.790 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.03 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

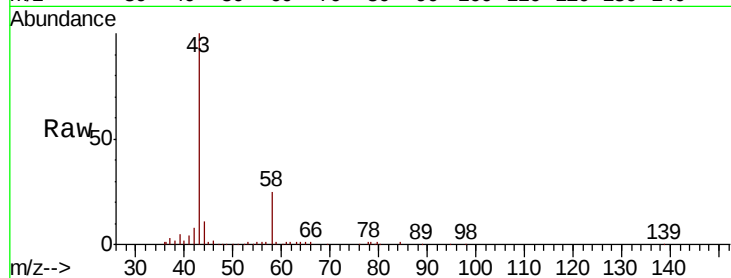
VSTD00551

Tot Ion: 43 Resp: 78555

Ion Ratio Lower Upper

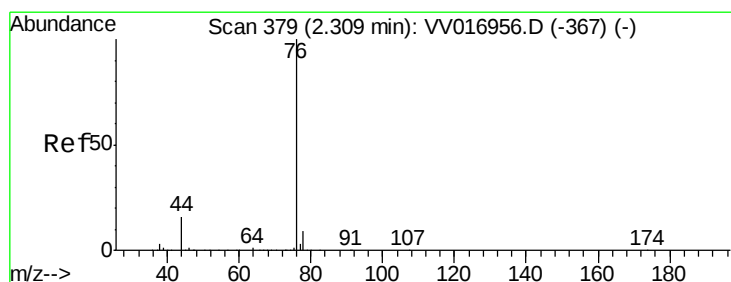
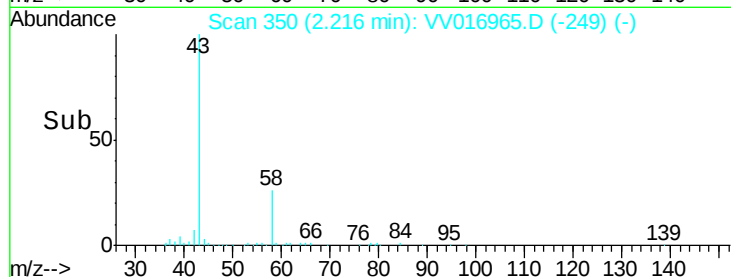
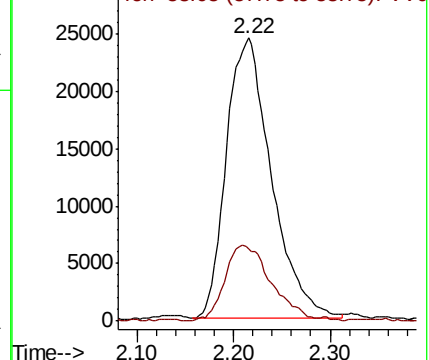
43 100

58 28.0 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.753 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016965.D

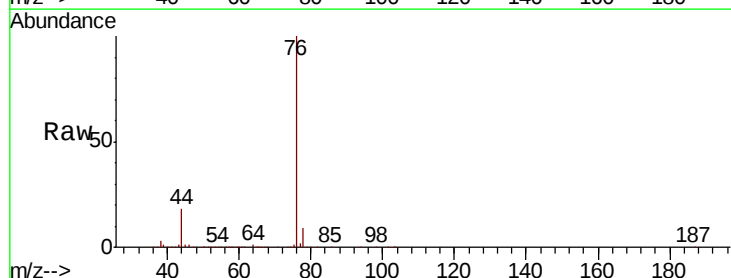
Acq: 17 Jun 2020 17:32

Tgt Ion: 76 Resp: 139444

Ion Ratio Lower Upper

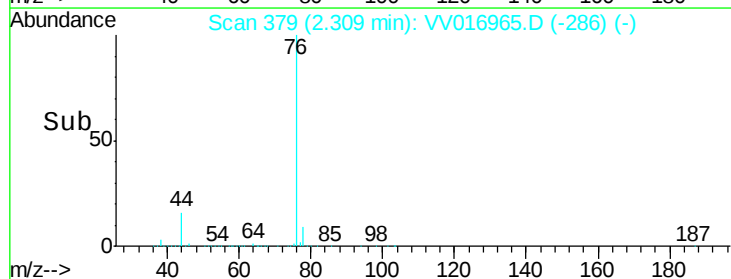
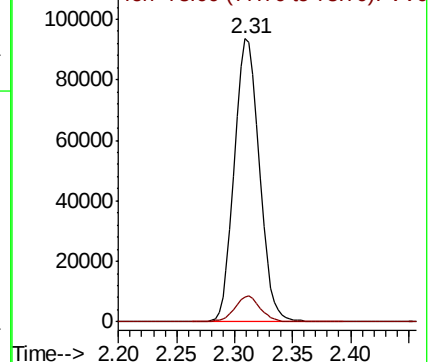
76 100

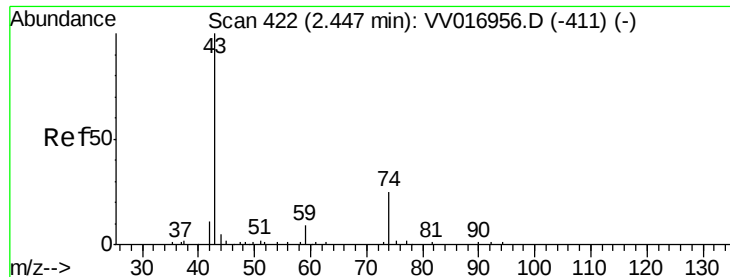
78 8.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 4.814 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.01 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampled :

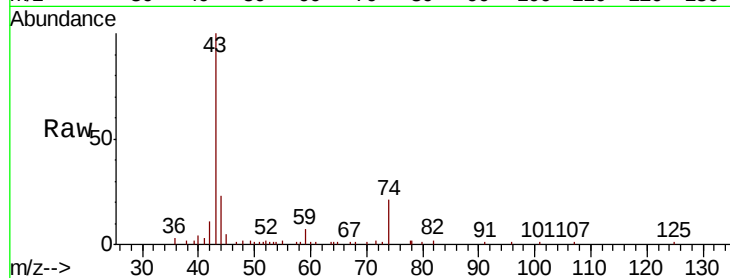
VSTD00551

Tot Ion: 43 Resp: 18570

Ion Ratio Lower Upper

43 100

74 24.9 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

10000

8000

6000

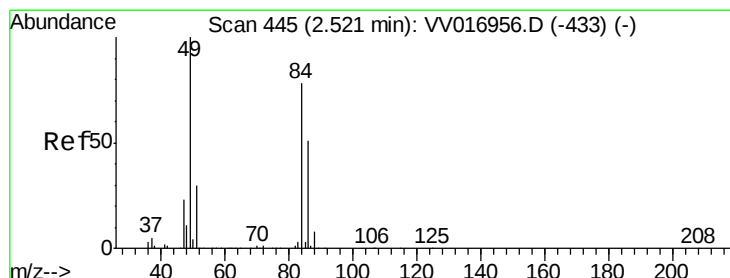
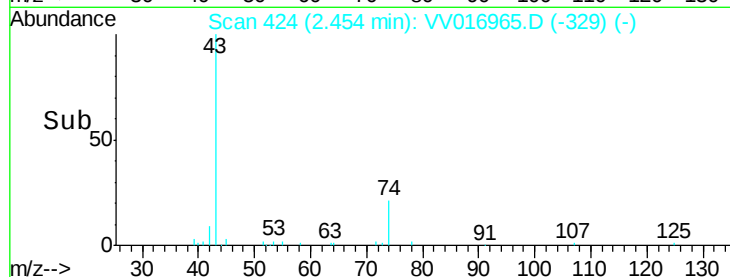
4000

2000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 4.911 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

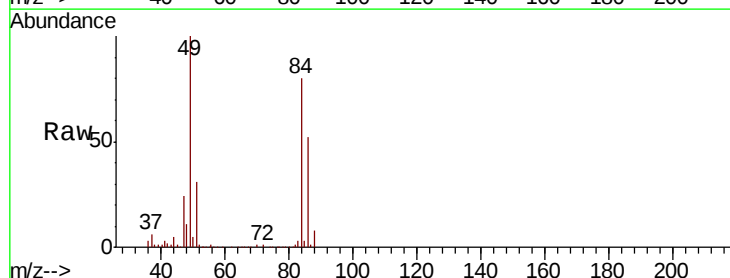
Tgt Ion: 84 Resp: 51501

Ion Ratio Lower Upper

84 100

86 65.0 45.8 85.0

49 124.8 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

50000

40000

30000

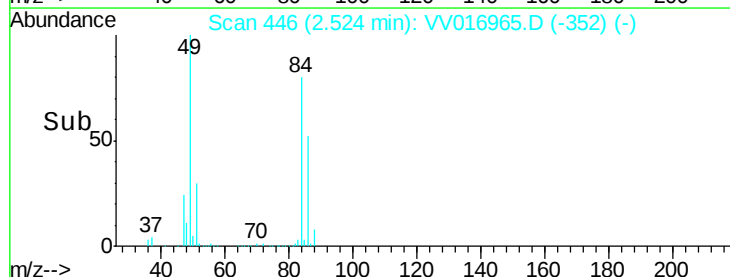
20000

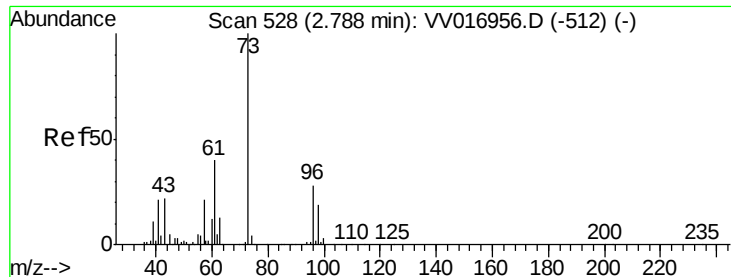
10000

0

Time-->

2.45 2.50 2.55

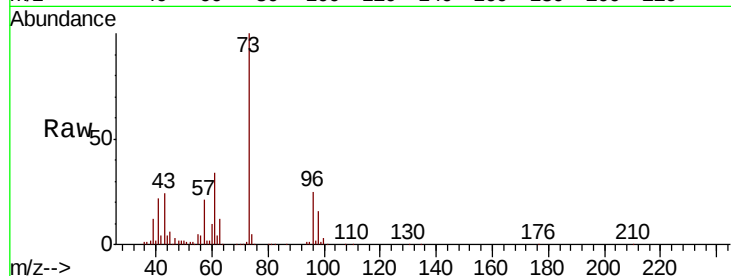




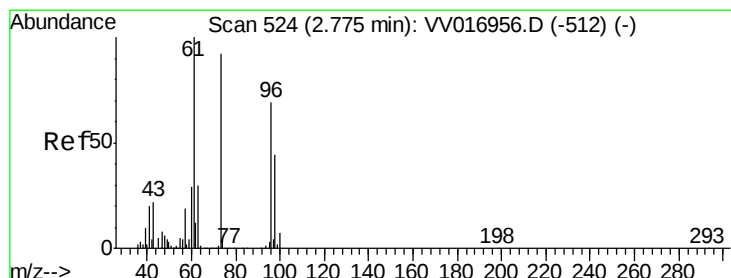
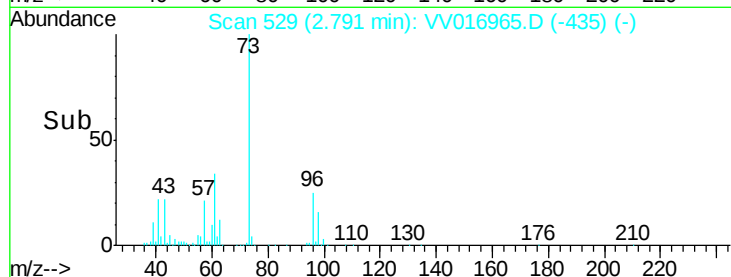
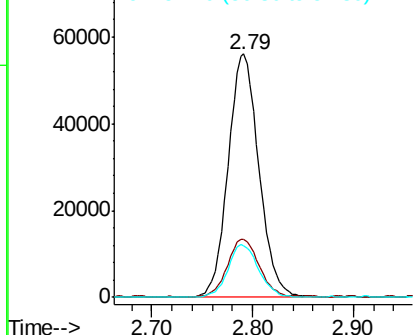
#17
Methvl tert-butvl Ether
Concen: 4.846 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV016965.D
Acq: 17 Jun 2020 17:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tot Ion: 73 Resp: 119153
Ion Ratio Lower Upper
73 100
43 24.2 18.6 28.0
57 21.5 16.4 24.6

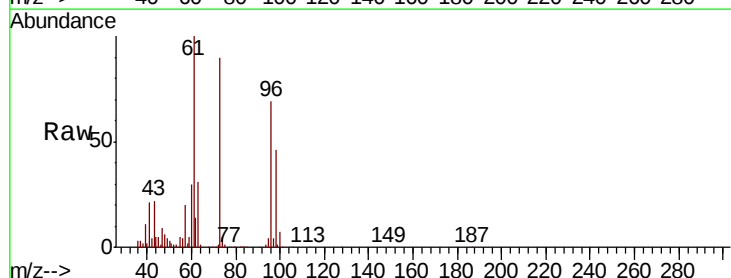


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

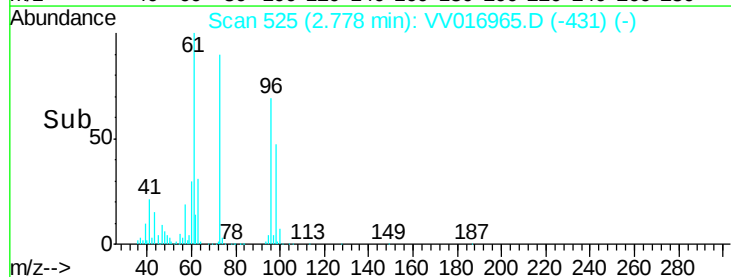
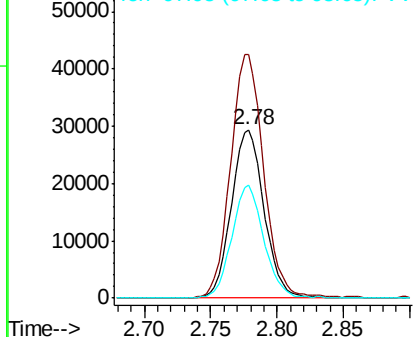


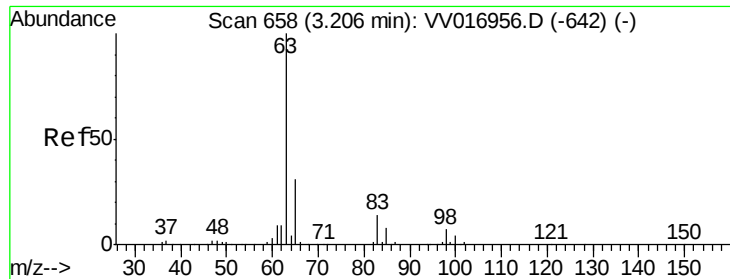
#18
trans-1,2-Dichloroethene
Concen: 4.854 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV016965.D
Acq: 17 Jun 2020 17:32

Tgt Ion: 96 Resp: 50369
Ion Ratio Lower Upper
96 100
61 144.5 102.3 189.9
98 67.0 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

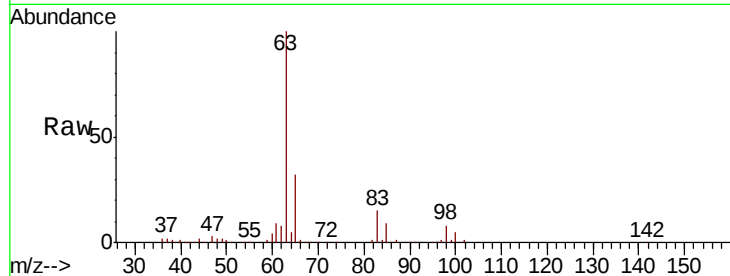




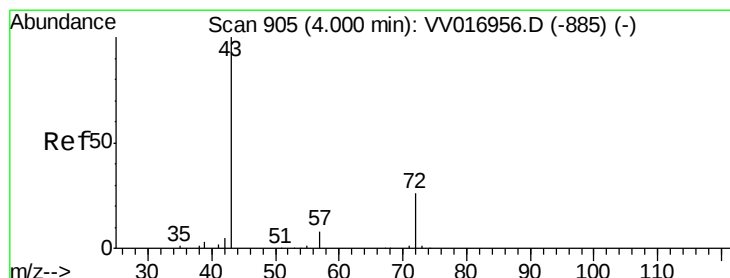
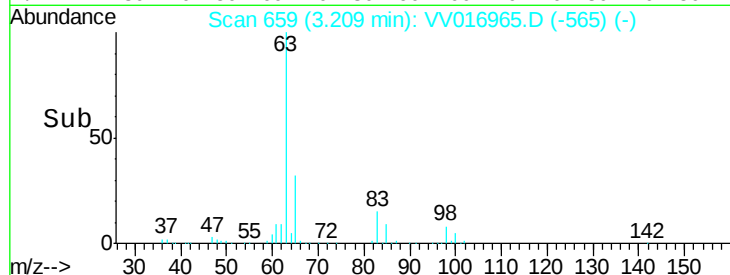
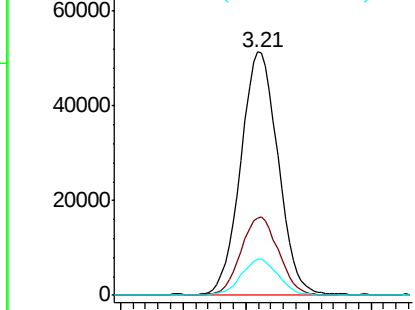
#19
 1,1-Dichloroethane
 Concen: 4.551 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016965.D
 Acq: 17 Jun 2020 17:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tot Ion: 63 Resp: 106104
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.8 40.4
 83 14.8 9.7 17.9

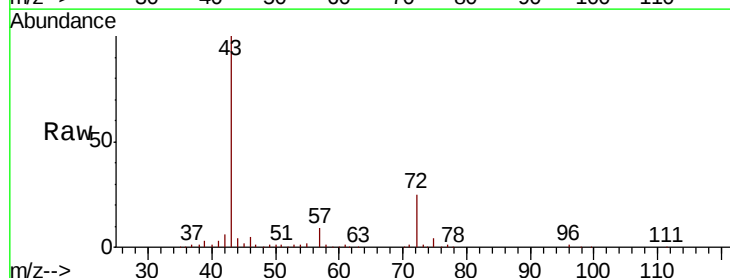


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

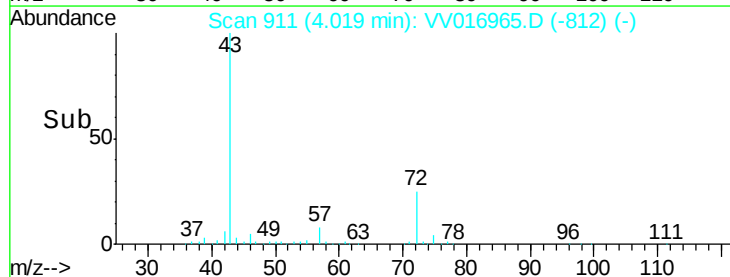
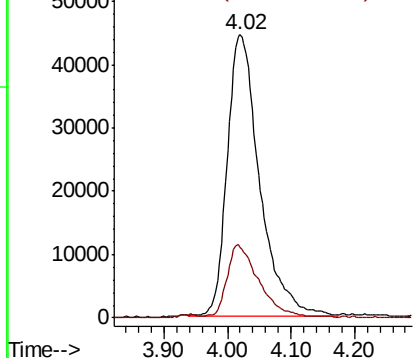


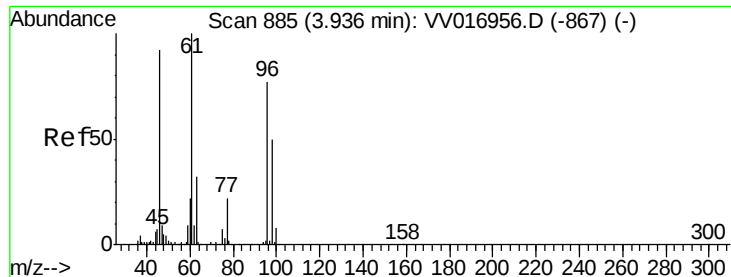
#21
 2-Butanone
 Concen: 52.433 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. 0.02 min
 Lab File: VV016965.D
 Acq: 17 Jun 2020 17:32

Tgt Ion: 43 Resp: 155940
 Ion Ratio Lower Upper
 43 100
 72 25.3 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



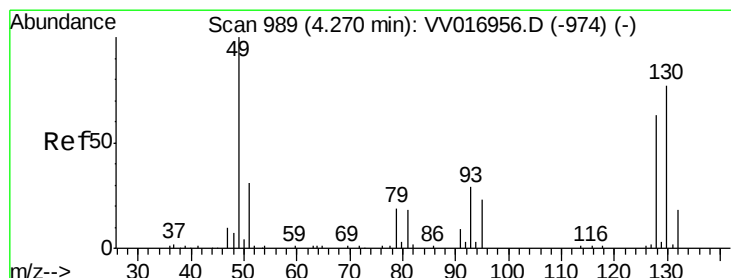
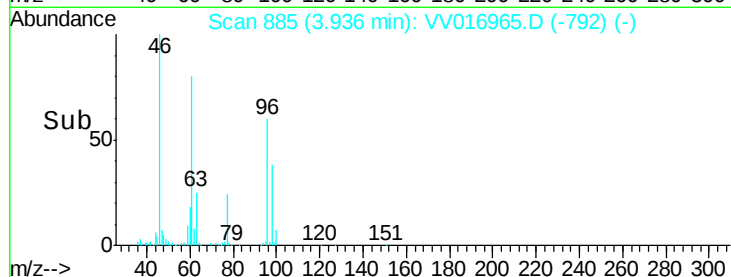
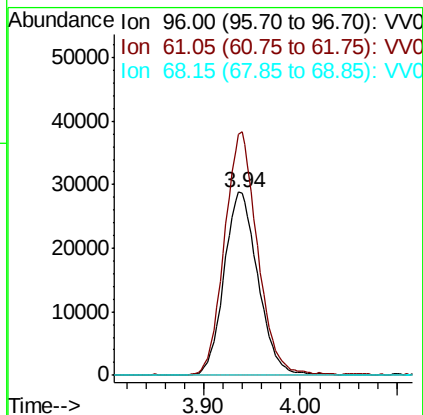
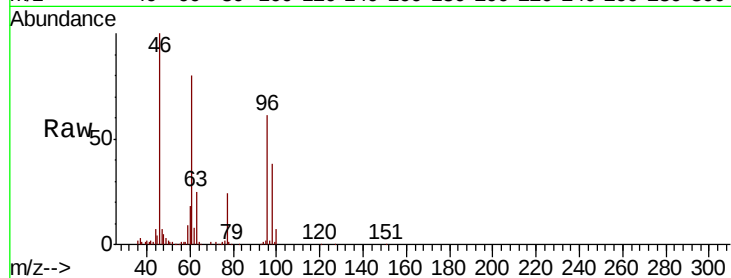


#22

cis-1,2-Dichloroethene
 Concen: 4.942 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV016965.D
 Acq: 17 Jun 2020 17:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

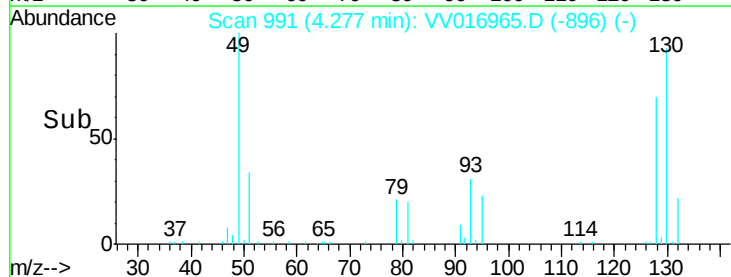
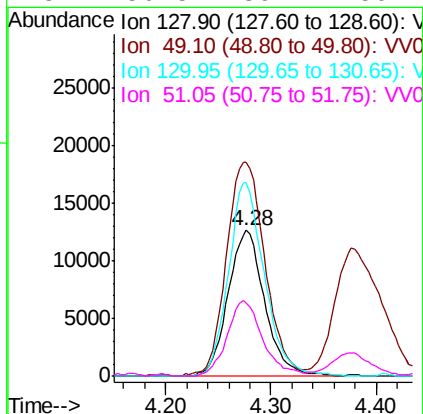
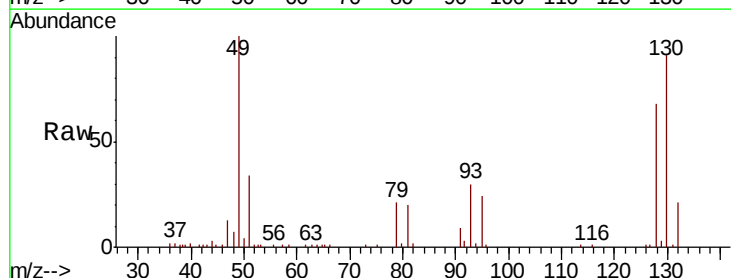
Tot Ion: 96 Resp: 70133
 Ion Ratio Lower Upper
 96 100
 61 131.2 91.0 169.0
 68 0.0 0.0 0.0

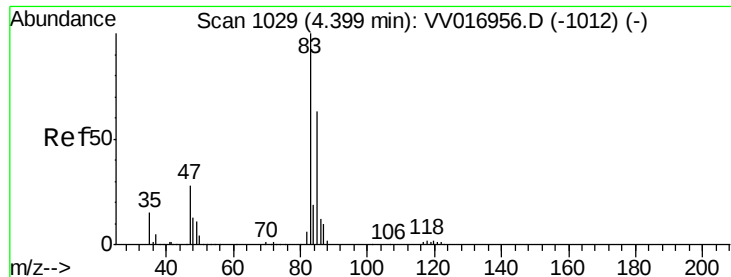


#23

Bromochloromethane
 Concen: 5.044 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VV016965.D
 Acq: 17 Jun 2020 17:32

Tgt Ion:128 Resp: 30416
 Ion Ratio Lower Upper
 128 100
 49 146.8 110.8 205.8
 130 133.2 86.0 159.8
 51 50.5 39.4 59.2





#25

Chloroform

Concen: 5.174 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

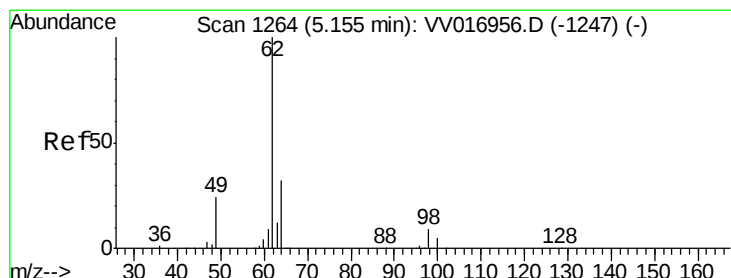
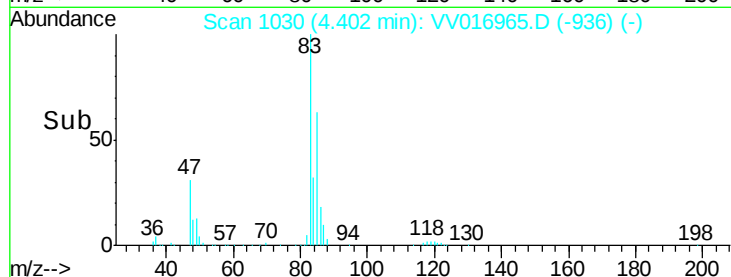
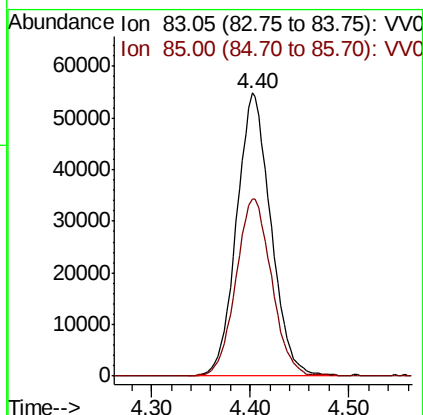
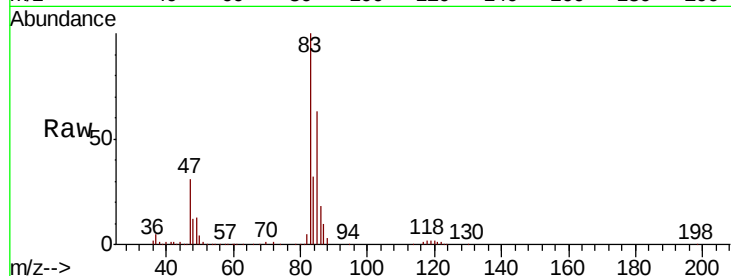
VSTD00551

Tot Ion: 83 Resp: 131764

Ion Ratio Lower Upper

83 100

85 62.7 44.2 82.2



#27

1,2-Dichloroethane

Concen: 5.055 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV016965.D

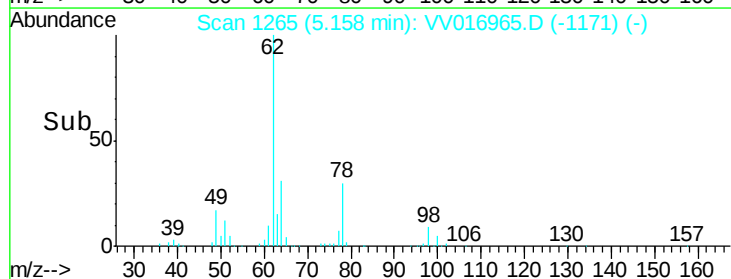
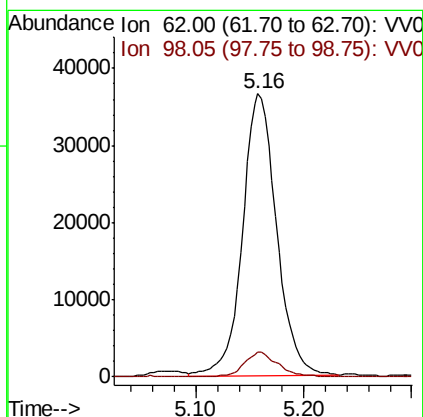
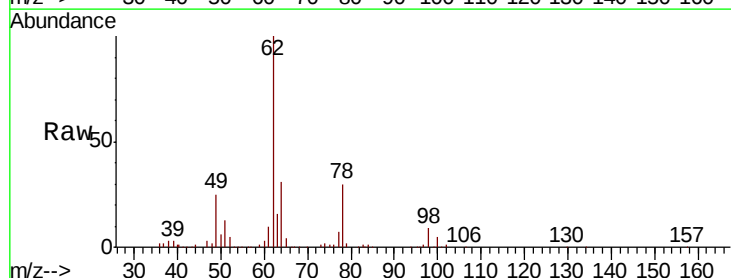
Acq: 17 Jun 2020 17:32

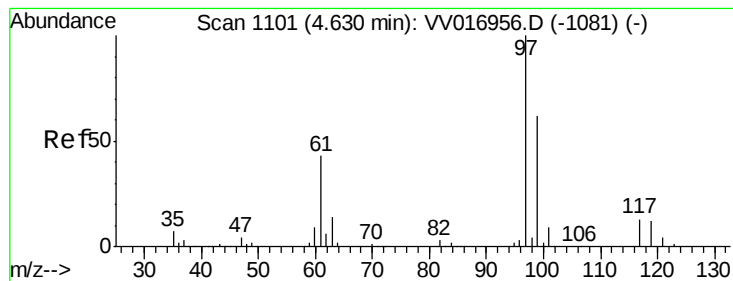
Tgt Ion: 62 Resp: 79987

Ion Ratio Lower Upper

62 100

98 8.7 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.084 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

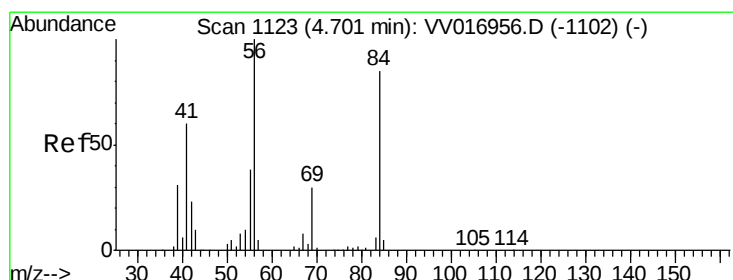
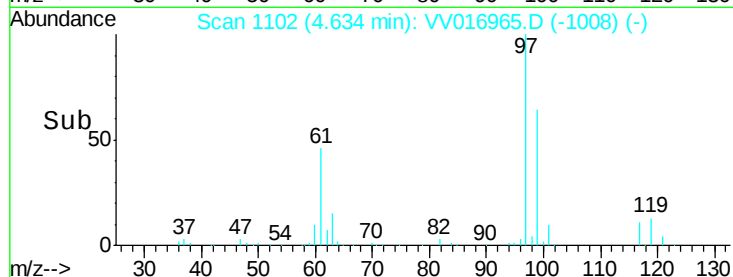
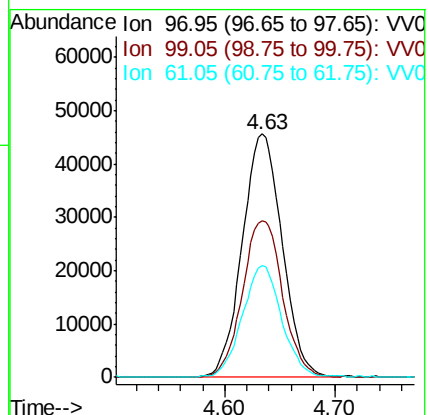
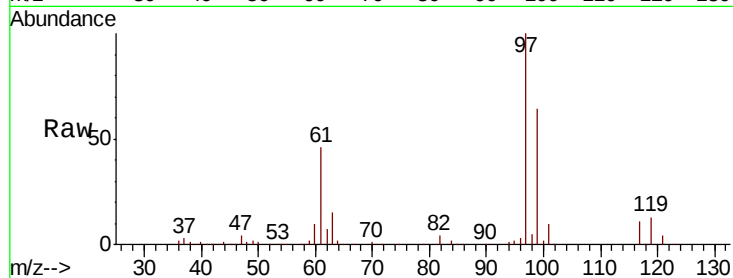
Tot Ion: 97 Resp: 114309

Ion Ratio Lower Upper

97 100

99 64.9 50.3 75.5

61 45.2 36.0 54.0



#30

Cyclohexane

Concen: 4.961 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

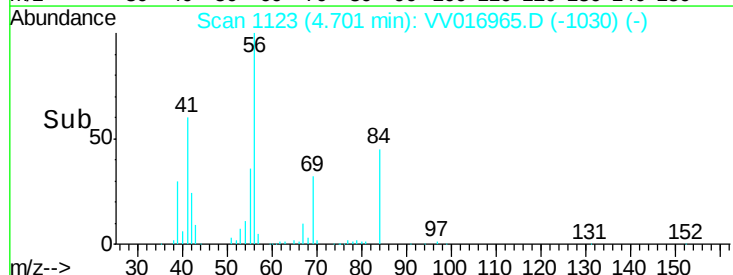
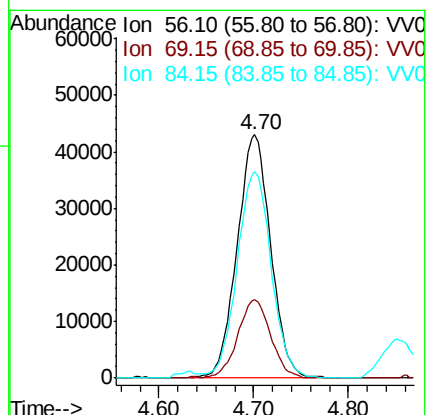
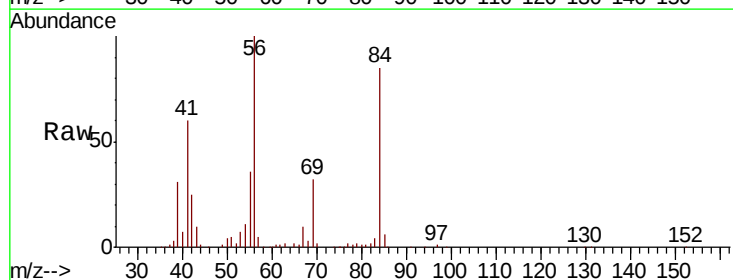
Tgt Ion: 56 Resp: 106140

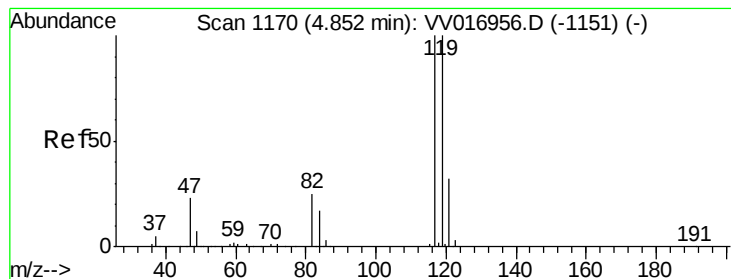
Ion Ratio Lower Upper

56 100

69 31.6 24.4 36.6

84 86.6 69.9 104.9





#31

Carbon tetrachloride

Concen: 5.016 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

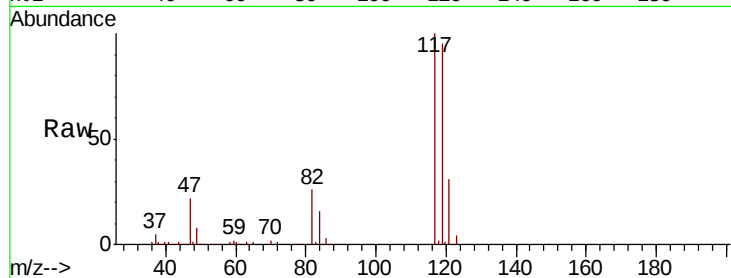
VSTD00551

Tot Ion:117 Resp: 101757

Ion Ratio Lower Upper

117 100

119 96.1 77.8 116.8

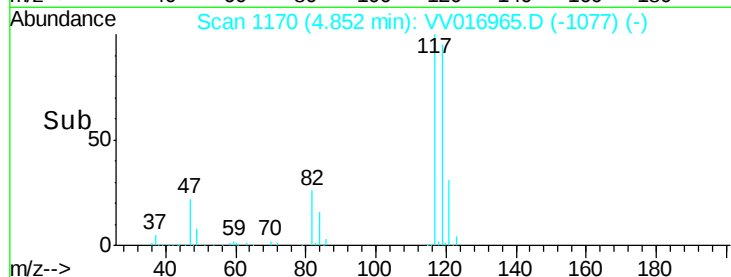


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

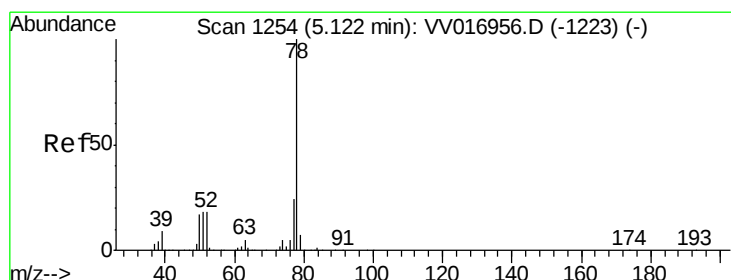
4.85

Time-->



4.85

Time-->



#33

Benzene

Concen: 5.187 ug/L

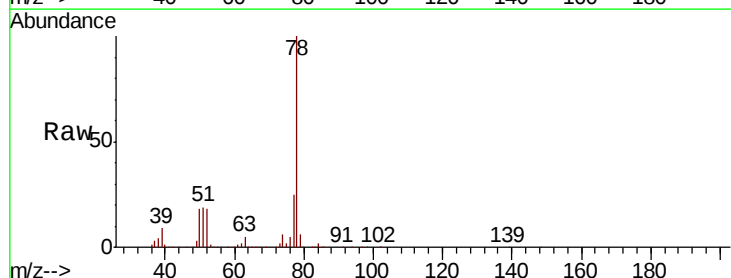
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

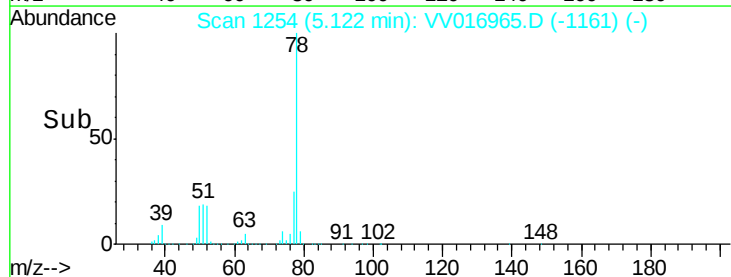
Tgt Ion: 78 Resp: 254935



Abundance Ion 78.10 (77.80 to 78.80): VV0

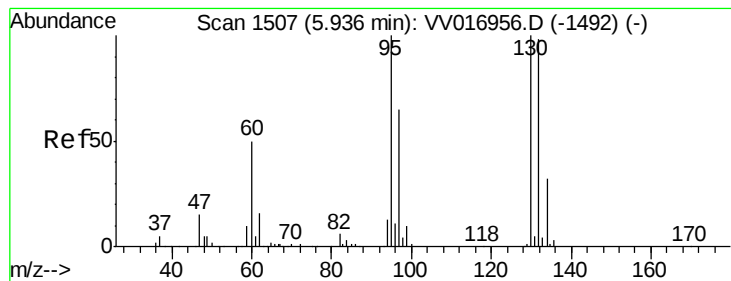
5.12

Time-->



5.12

Time-->



#34

Trichloroethene

Concen: 5.137 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

Tot Ion: 95 Resp: 73933

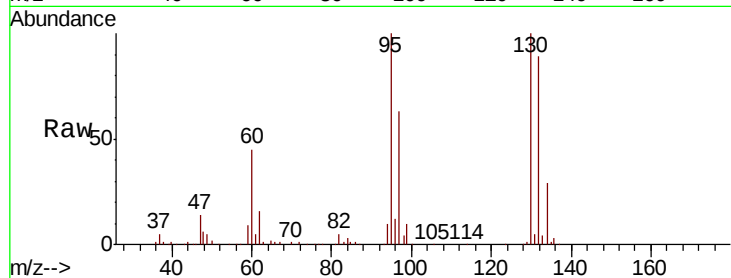
Ion Ratio Lower Upper

95 100

97 63.2 45.3 84.1

132 89.4 68.8 127.8

130 99.8 70.2 130.4

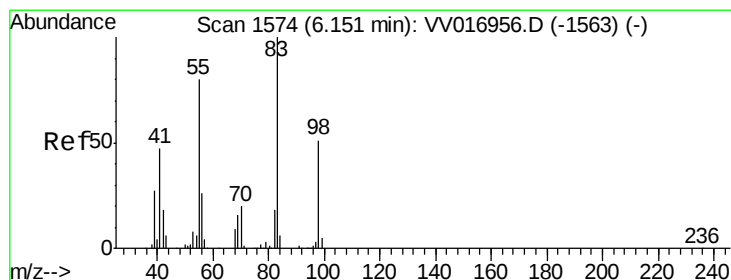
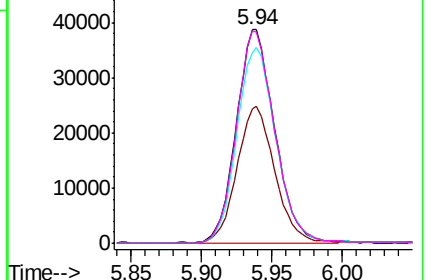
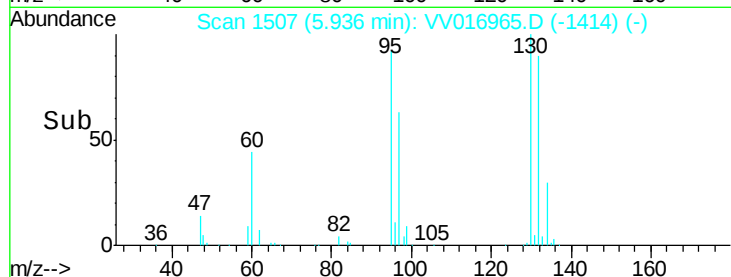


Abundance Ion 95.00 (94.70 to 95.70): VV016965.D (-1414) (-)

Ion 96.95 (96.65 to 97.65): VV016965.D (-1414) (-)

Ion 131.95 (131.65 to 132.65): VV016965.D (-1414) (-)

Ion 129.95 (129.65 to 130.65): VV016965.D (-1414) (-)



#35

Methylcyclohexane

Concen: 5.000 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

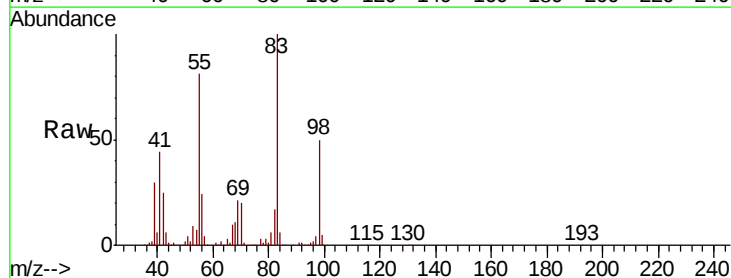
Tgt Ion: 83 Resp: 111858

Ion Ratio Lower Upper

83 100

55 79.1 63.6 95.4

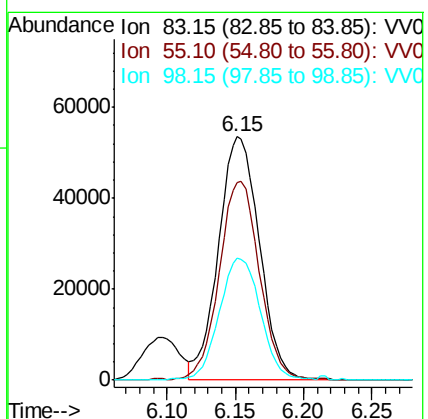
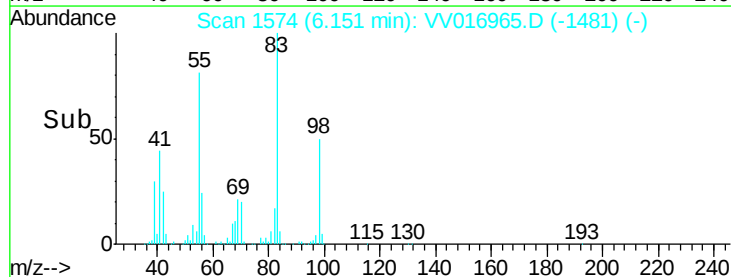
98 50.6 38.8 58.2

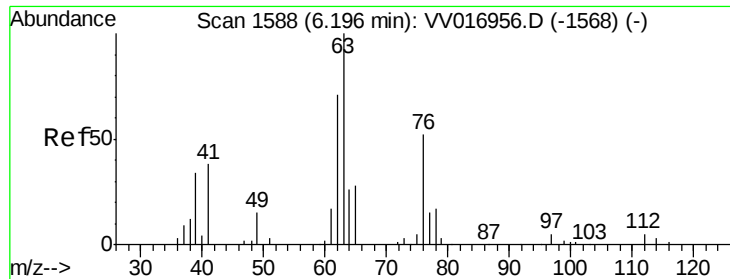


Abundance Ion 83.15 (82.85 to 83.85): VV016965.D (-1481) (-)

Ion 55.10 (54.80 to 55.80): VV016965.D (-1481) (-)

Ion 98.15 (97.85 to 98.85): VV016965.D (-1481) (-)





#37

1,2-Dichloropropane

Concen: 5.186 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

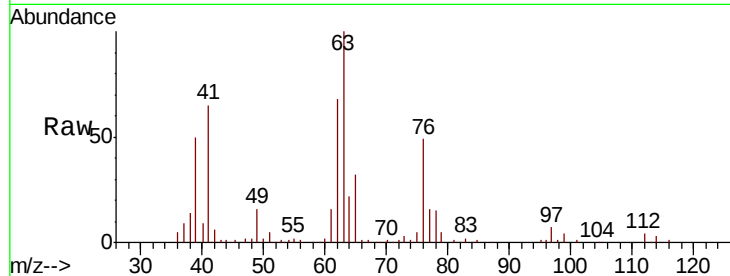
VSTD00551

Tot Ion: 63 Resp: 63091

Ion Ratio Lower Upper

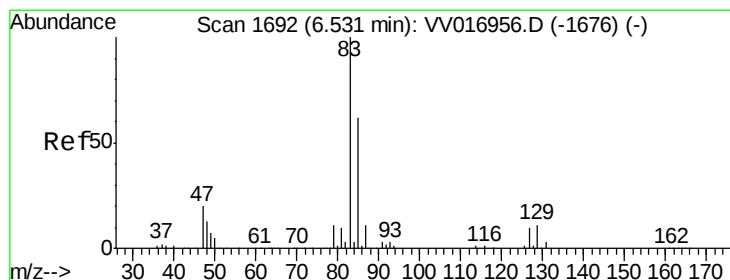
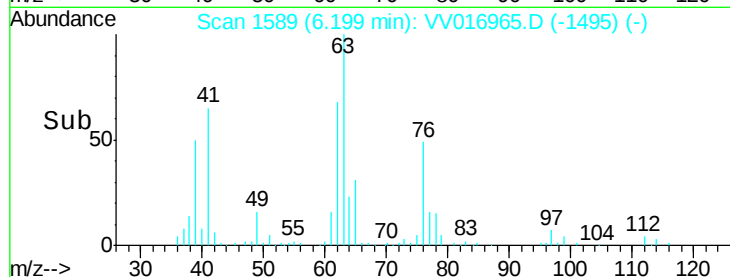
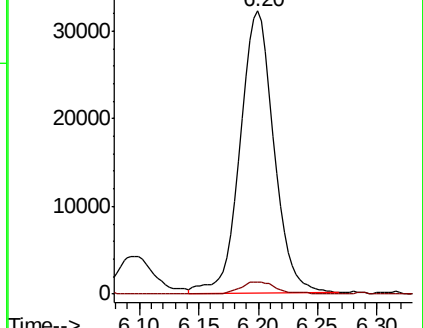
63 100

112 4.7 4.4 6.6



Abundance Ion 63.10 (62.80 to 63.80): VV016965.D (-1568) (-)

Ion 112.10 (111.80 to 112.80): VV016965.D (-1568) (-)



#38

Bromodichloromethane

Concen: 5.063 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

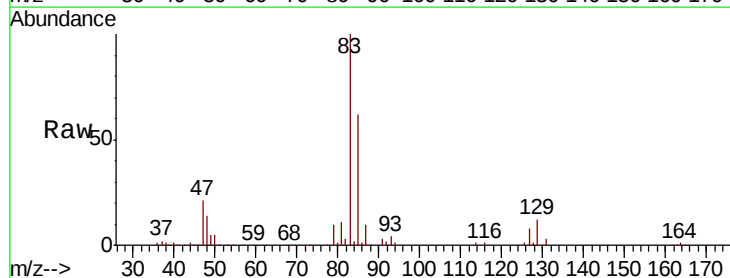
Tgt Ion: 83 Resp: 83675

Ion Ratio Lower Upper

83 100

85 62.2 43.4 80.6

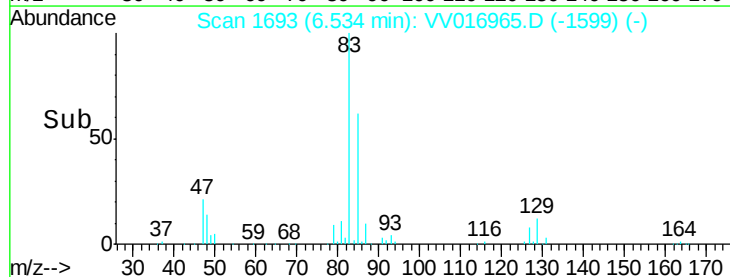
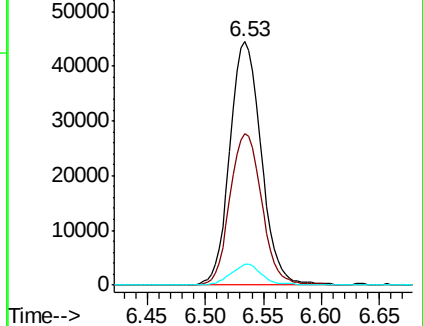
127 8.4 7.9 11.9

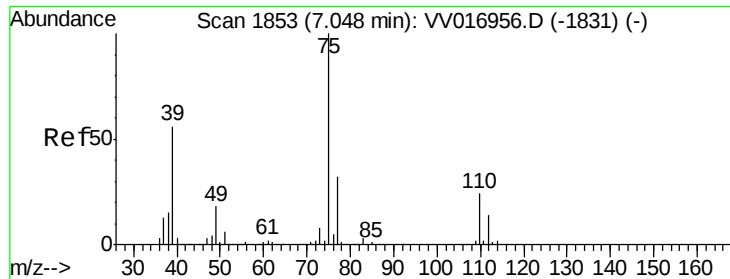


Abundance Ion 82.95 (82.65 to 83.65): VV016965.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV016965.D (-1599) (-)

Ion 126.90 (126.60 to 127.60): VV016965.D (-1599) (-)

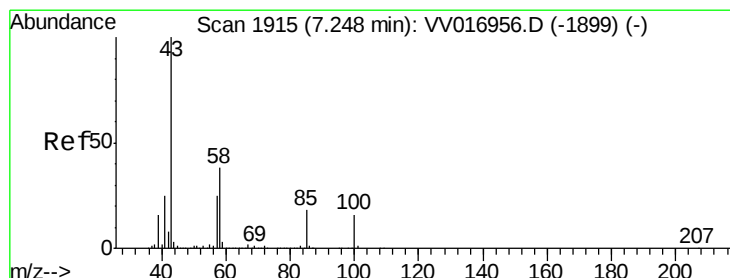
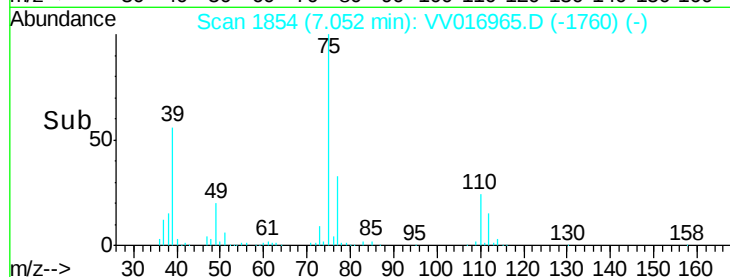
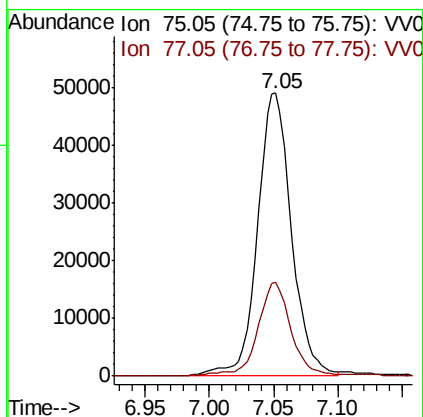
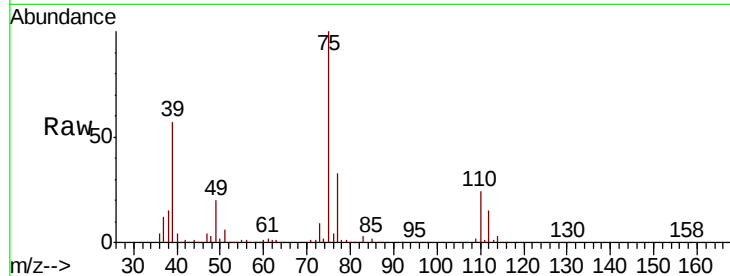




#39
 cis-1,3-Dichloropropene
 Concen: 4.996 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016965.D
 Acq: 17 Jun 2020 17:32

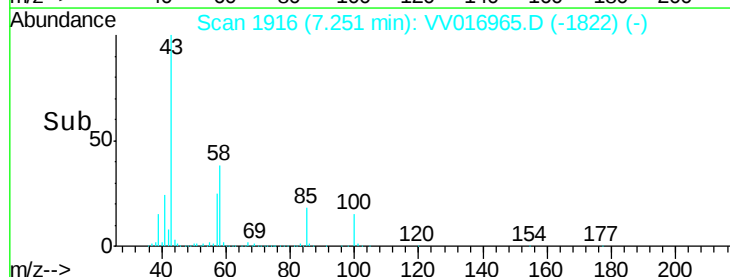
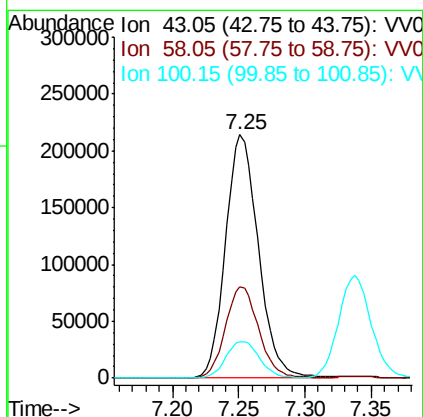
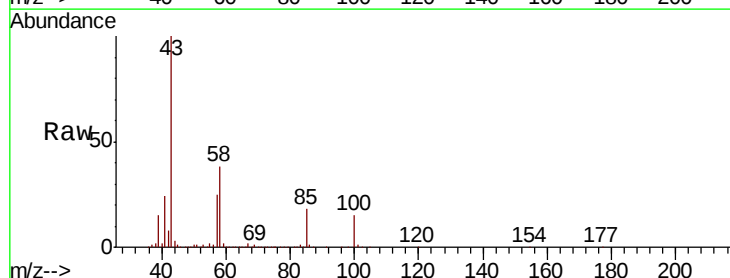
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

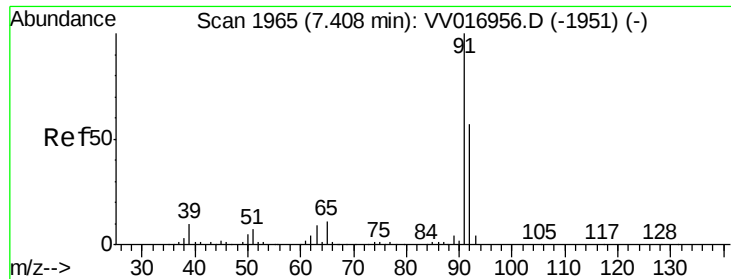
Tot Ion: 75 Resp: 90310
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 52.649 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV016965.D
 Acq: 17 Jun 2020 17:32

Tgt Ion: 43 Resp: 369842
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.4 45.6
 100 15.5 12.7 19.1





#42

Toluene

Concen: 4.907 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

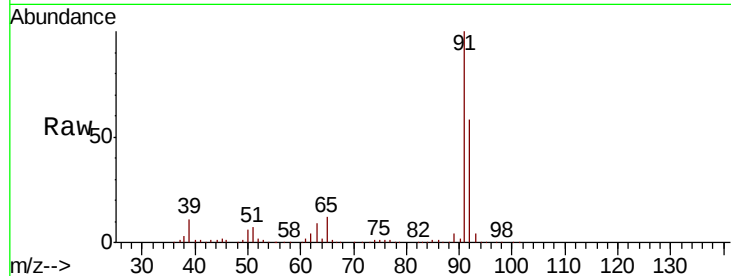
VSTD00551

Tot Ion: 91 Resp: 280416

Ion Ratio Lower Upper

91 100

92 57.5 39.9 74.1



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

Ion 92.15 (91.85 to 92.85): VV016956.D (-1951) (-)

7.41

150000

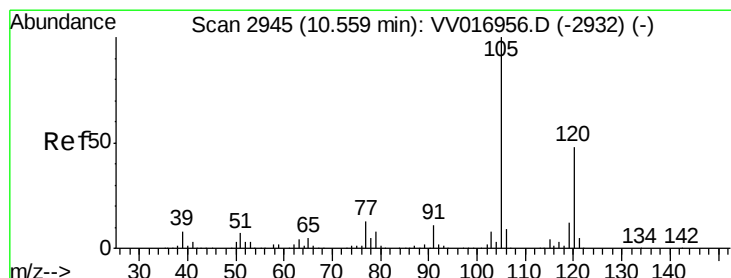
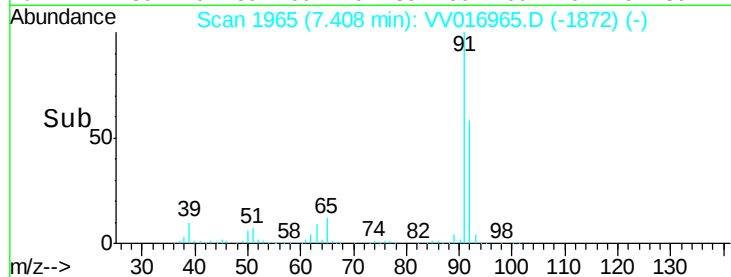
100000

50000

0

7.30 7.35 7.40 7.45 7.50

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.149 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016965.D

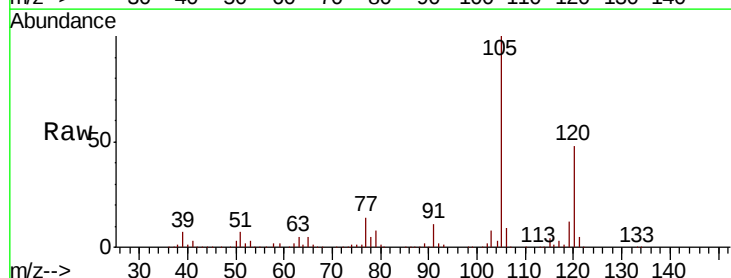
Acq: 17 Jun 2020 17:32

Tgt Ion:105 Resp: 263086

Ion Ratio Lower Upper

105 100

120 48.1 38.6 57.8



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

Ion 120.00 (119.70 to 120.70): VV016956.D (-2932) (-)

10.56

200000

150000

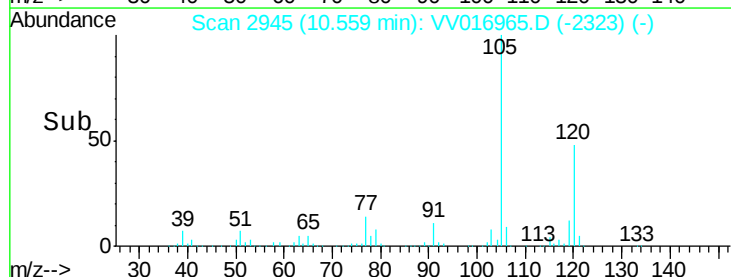
100000

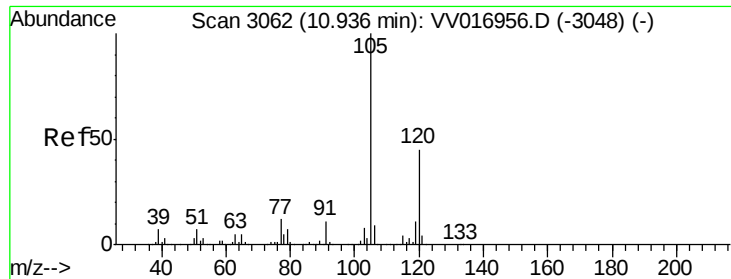
50000

0

10.50 10.55 10.60

Time-->

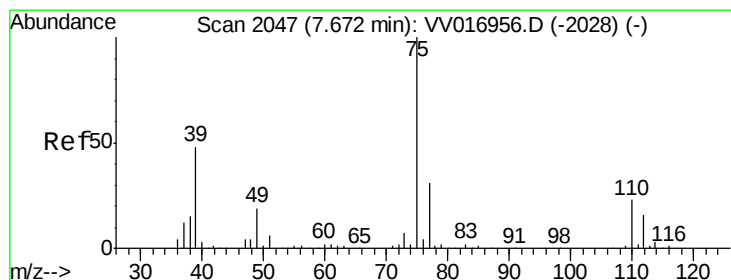
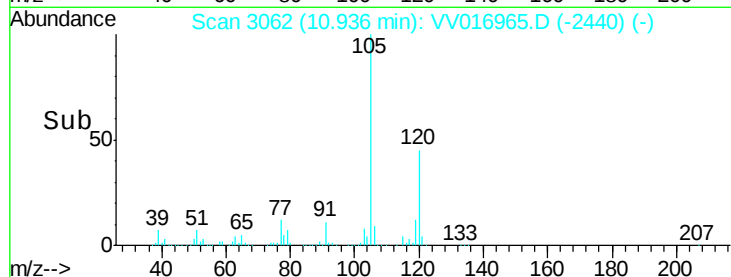
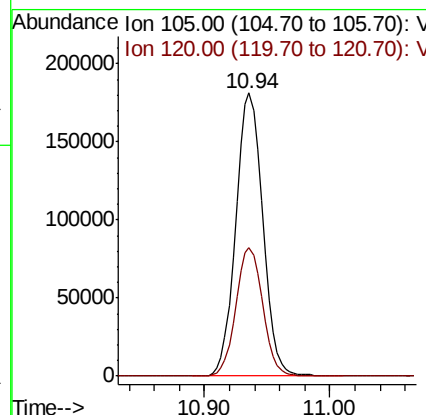
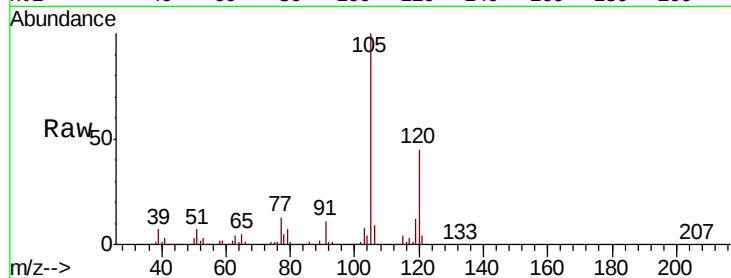




#44
1,2,4-Trimethylbenzene
Concen: 5.212 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VV016965.D
Acq: 17 Jun 2020 17:32

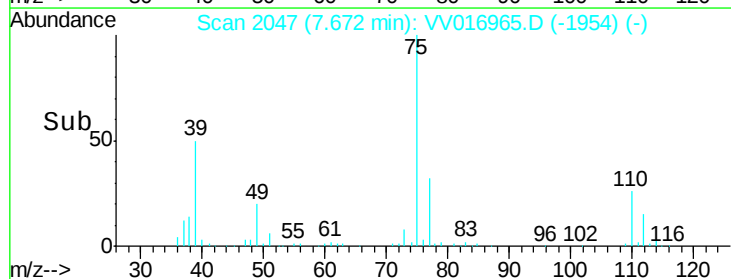
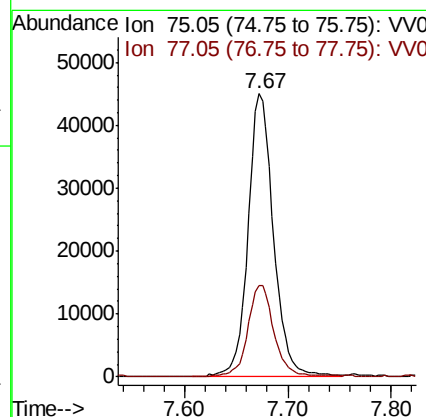
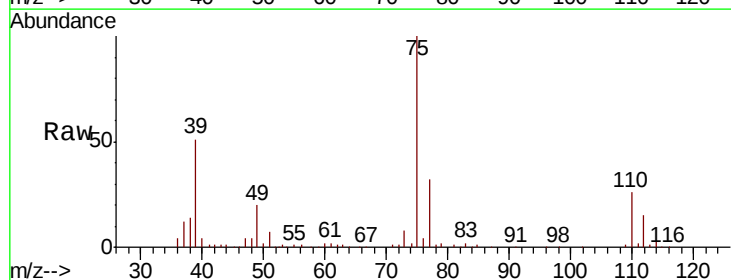
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

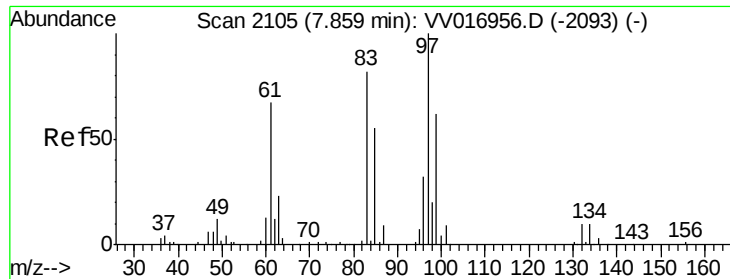
Tot Ion:105 Resp: 271179
Ion Ratio Lower Upper
105 100
120 44.8 35.8 53.8



#46
trans-1,3-Dichloropropene
Concen: 4.946 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. -0.00 min
Lab File: VV016965.D
Acq: 17 Jun 2020 17:32

Tgt Ion: 75 Resp: 77334
Ion Ratio Lower Upper
75 100
77 32.5 22.3 41.3

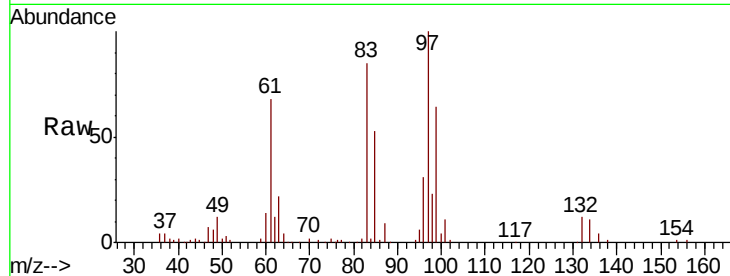




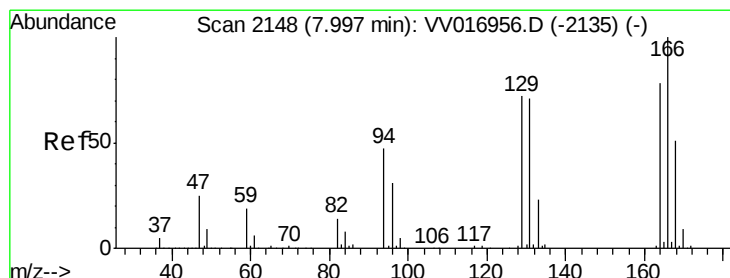
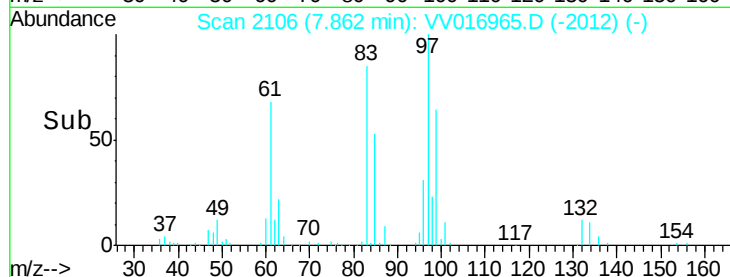
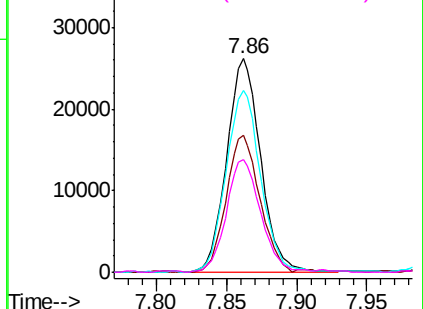
#47
 1,1,2-Trichloroethane
 Concen: 5.117 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016965.D
 Acq: 17 Jun 2020 17:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tot Ion:	97	Resp:	44156
Ion	Ratio	Lower	Upper
97	100		
99	63.8	43.6	81.0
83	84.9	57.4	106.6
85	53.0	38.8	72.0

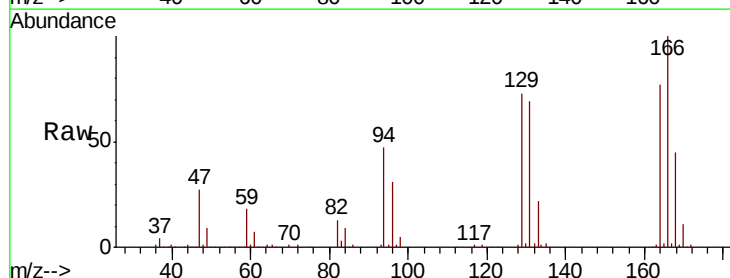


Abundance Ion 96.95 (96.65 to 97.65): VV016965.D (-2102) (-)
 Ion 99.05 (98.75 to 99.75): VV016965.D (-2102) (-)
 Ion 82.95 (82.65 to 83.65): VV016965.D (-2102) (-)
 Ion 85.00 (84.70 to 85.70): VV016965.D (-2102) (-)

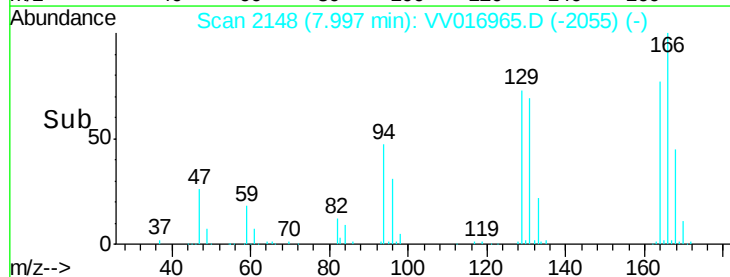
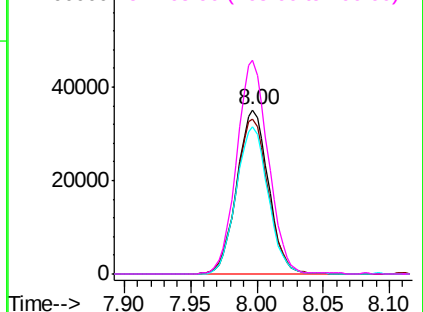


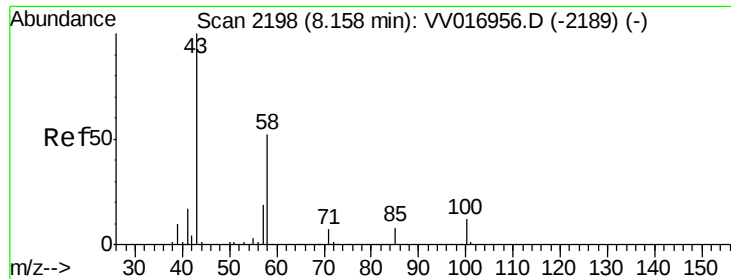
#49
 Tetrachloroethene
 Concen: 5.014 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV016965.D
 Acq: 17 Jun 2020 17:32

Tgt Ion:	164	Resp:	58086
Ion	Ratio	Lower	Upper
164	100		
129	94.7	65.2	121.0
131	89.4	64.1	119.1
166	130.0	90.2	167.4



Abundance Ion 163.90 (163.60 to 164.60): VV016965.D (-2148) (-)
 Ion 128.95 (128.65 to 129.65): VV016965.D (-2148) (-)
 Ion 130.95 (130.65 to 131.65): VV016965.D (-2148) (-)
 Ion 165.90 (165.60 to 166.60): VV016965.D (-2148) (-)

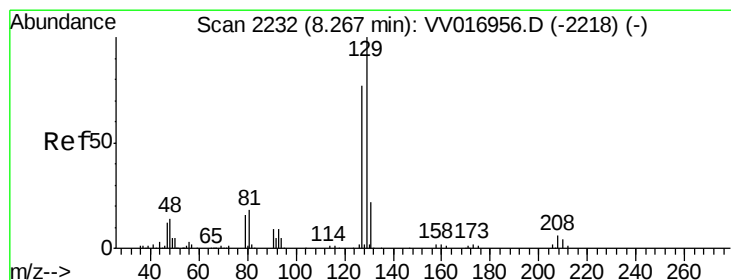
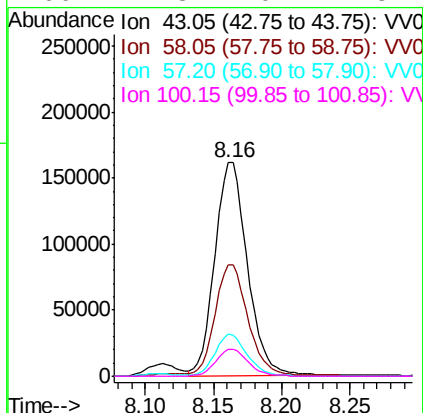
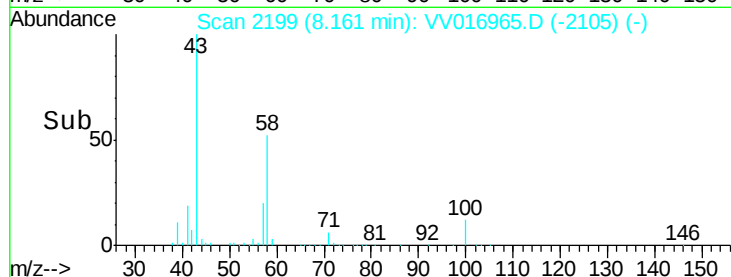
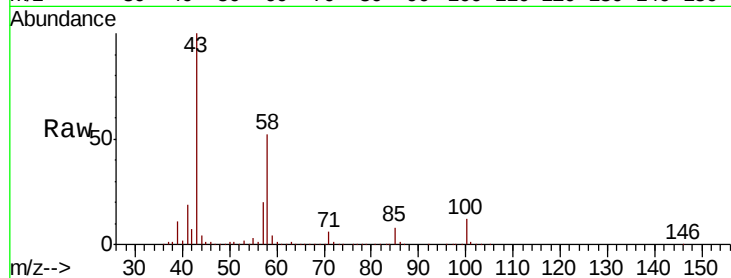




#50
2-Hexanone
Concen: 53.532 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV016965.D
Acq: 17 Jun 2020 17:32

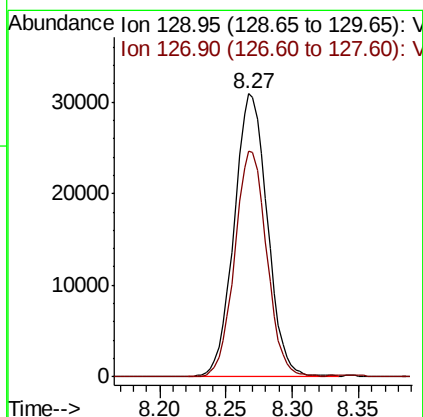
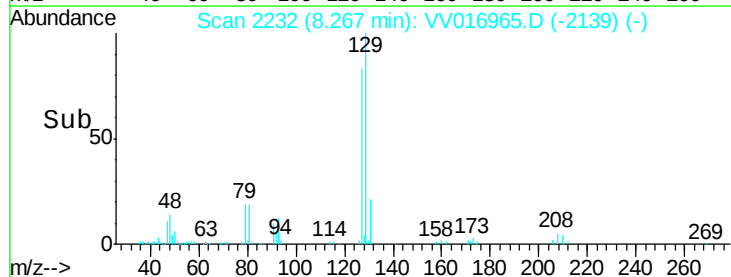
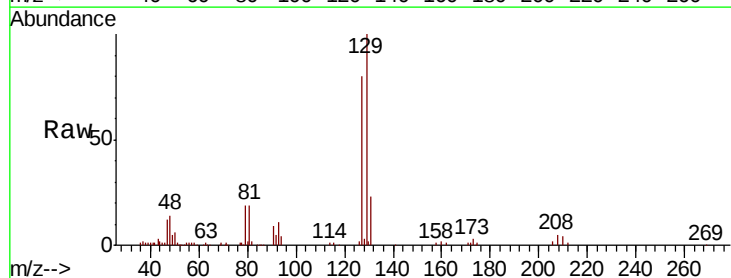
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

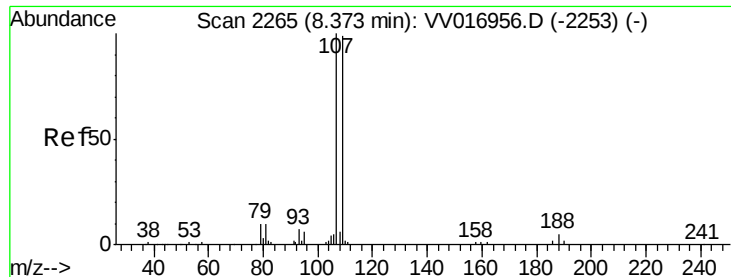
Tot Ion: 43 Resp: 267610
Ion Ratio Lower Upper
43 100
58 53.2 41.6 62.4
57 19.4 15.4 23.0
100 12.8 10.1 15.1



#51
Dibromochloromethane
Concen: 5.144 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV016965.D
Acq: 17 Jun 2020 17:32

Tgt Ion: 129 Resp: 53803
Ion Ratio Lower Upper
129 100
127 79.6 54.1 100.5





#52

1,2-Dibromoethane

Concen: 5.072 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

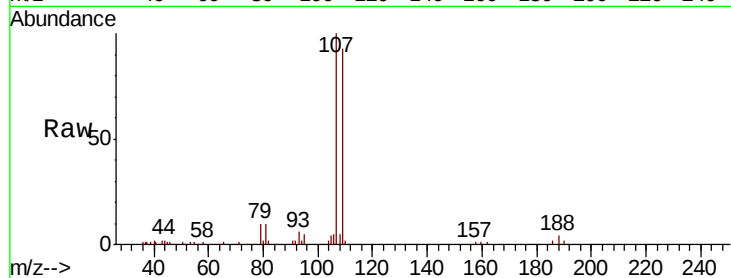
Tot Ion:107 Resp: 41505

Ion Ratio Lower Upper

107 100

109 93.3 69.4 128.8

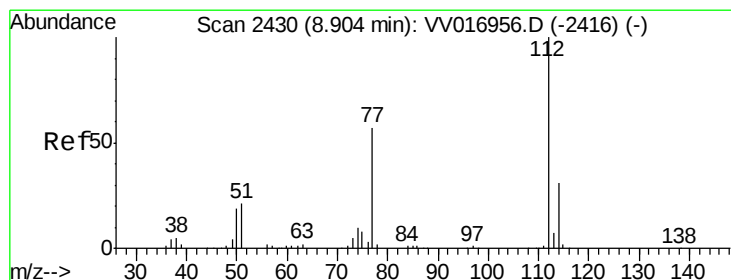
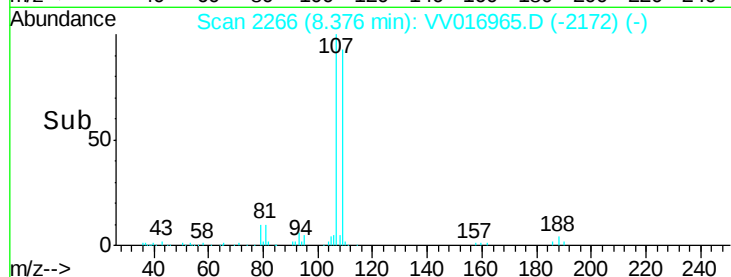
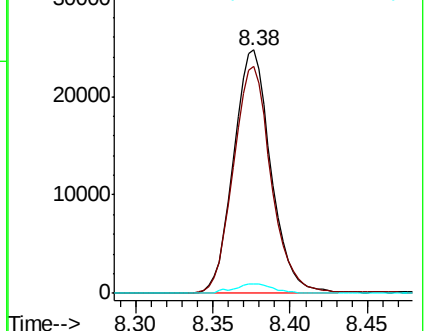
188 4.0 3.9 5.9



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: 5.042 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

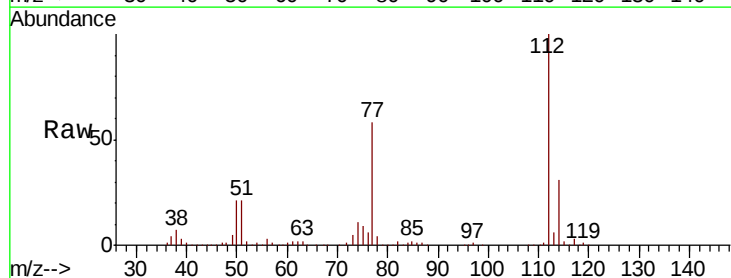
Tgt Ion:112 Resp: 179595

Ion Ratio Lower Upper

112 100

114 30.7 22.0 41.0

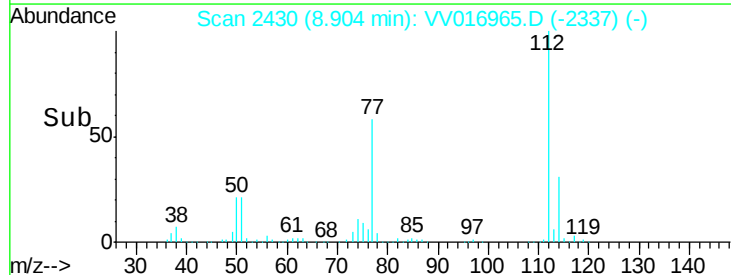
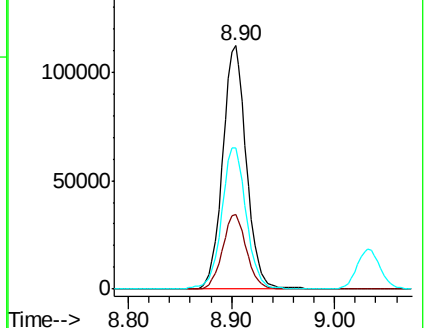
77 57.8 46.0 69.0

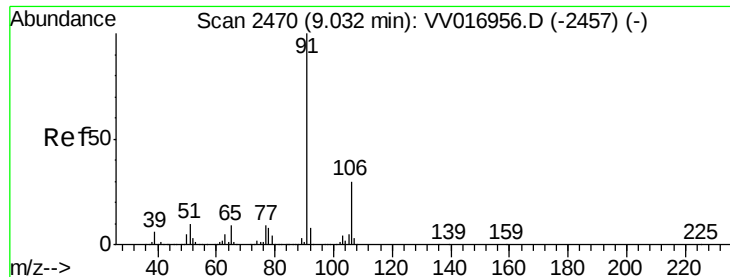


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#54

Ethylbenzene

Concen: 5.102 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

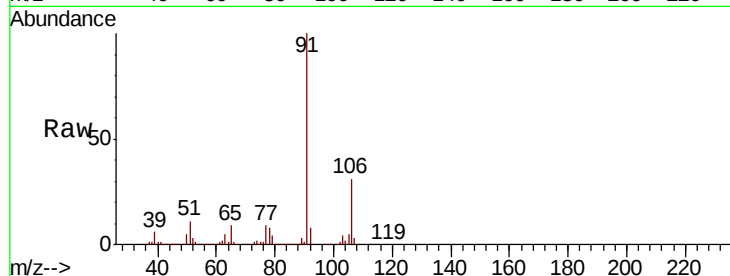
VSTD00551

Tot Ion: 91 Resp: 311178

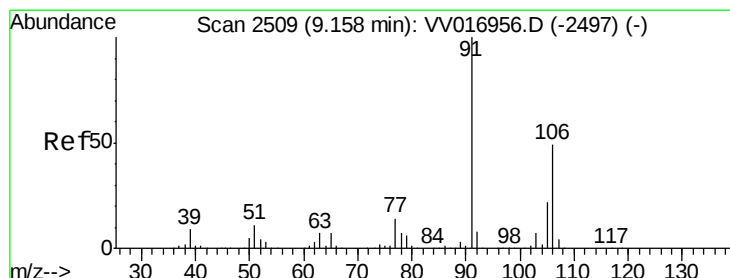
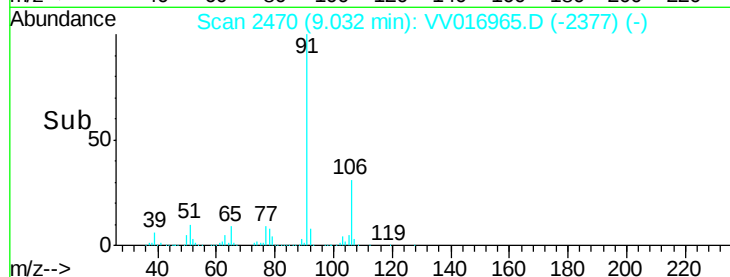
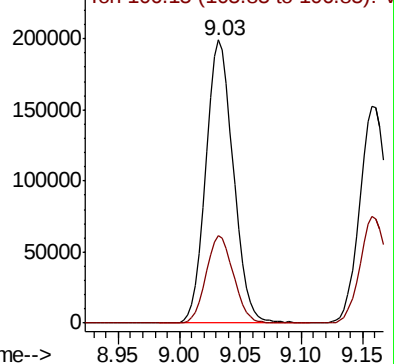
Ion Ratio Lower Upper

91 100

106 30.8 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV016965.D (-2457) (-)



#55

m,p-xylene

Concen: 5.040 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016965.D

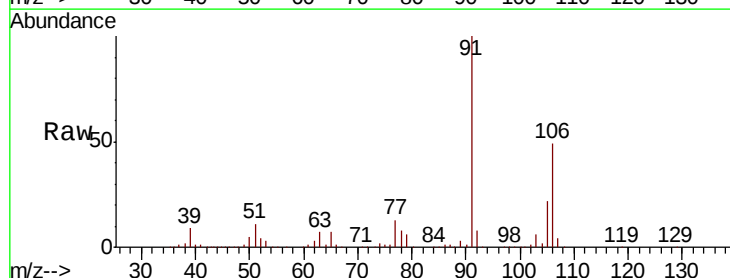
Acq: 17 Jun 2020 17:32

Tgt Ion: 106 Resp: 120572

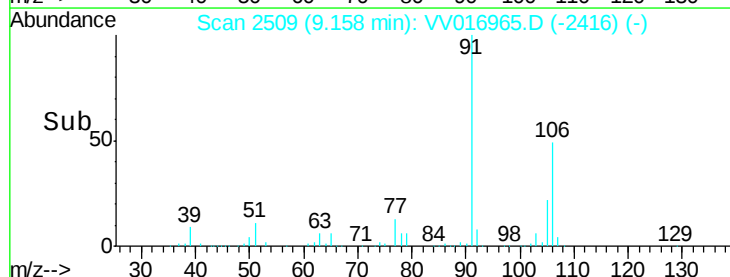
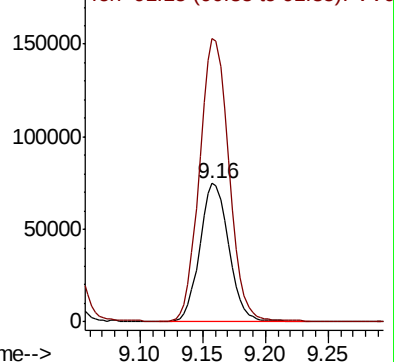
Ion Ratio Lower Upper

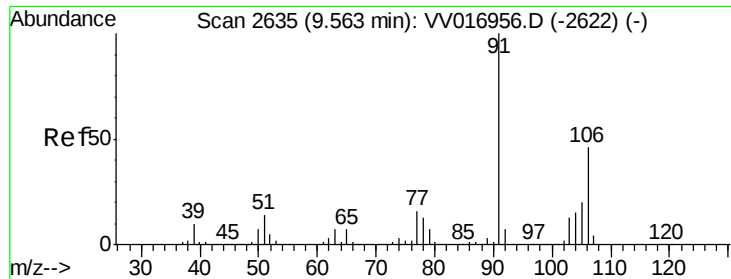
106 100

91 204.7 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): VV016965.D (-2497) (-)

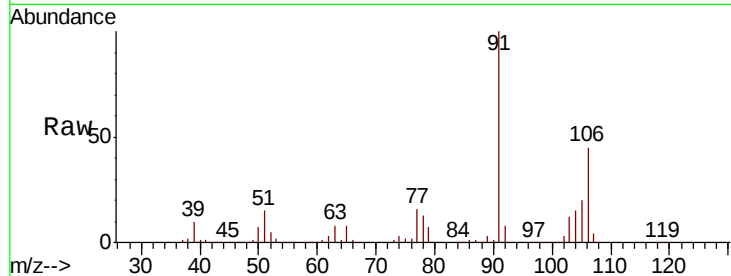




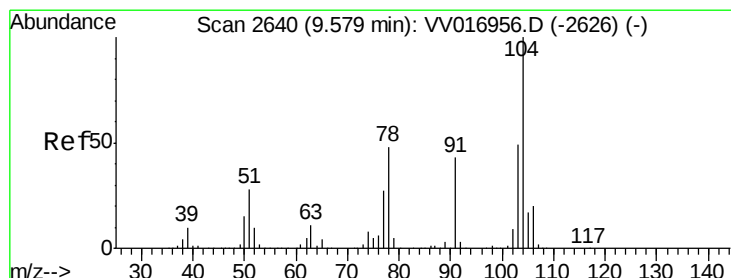
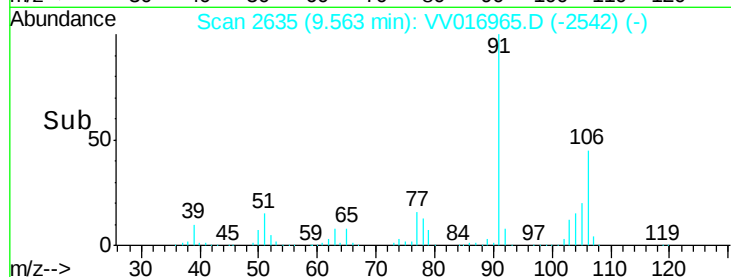
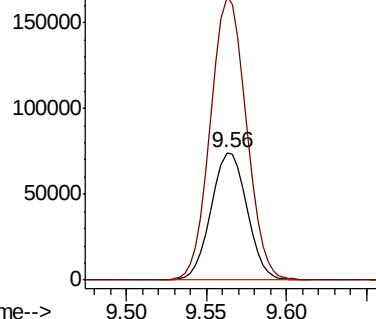
#56
o-xylene
Concen: 5.099 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV016965.D
Acq: 17 Jun 2020 17:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tot Ion:106 Resp: 113834
Ion Ratio Lower Upper
106 100
91 222.2 153.6 285.2

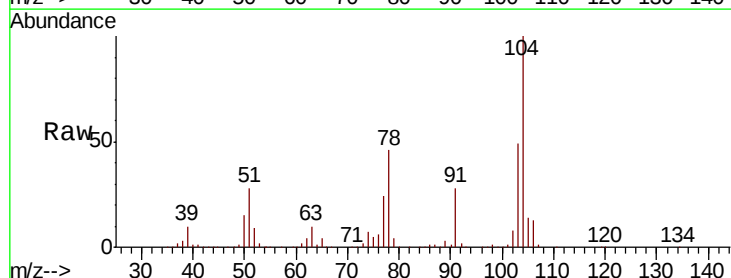


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

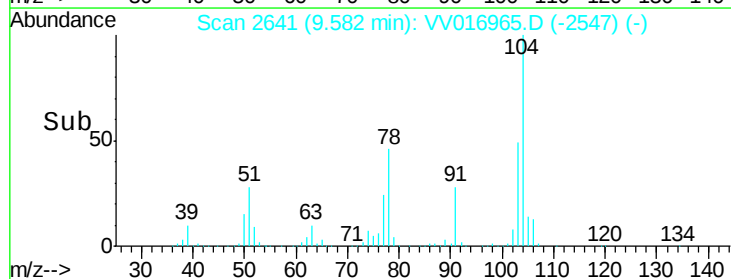
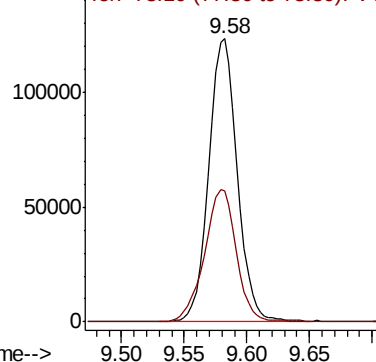


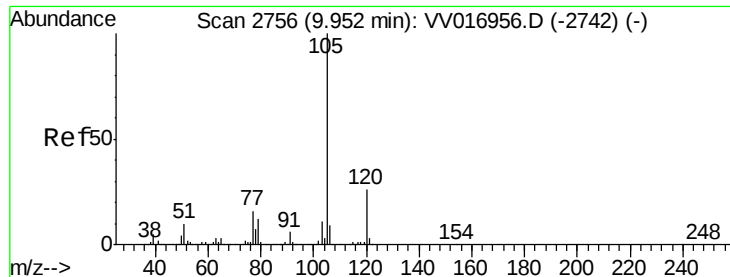
#57
Styrene
Concen: 5.283 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016965.D
Acq: 17 Jun 2020 17:32

Tgt Ion:104 Resp: 195437
Ion Ratio Lower Upper
104 100
78 46.2 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: 5.178 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampled :

VSTD00551

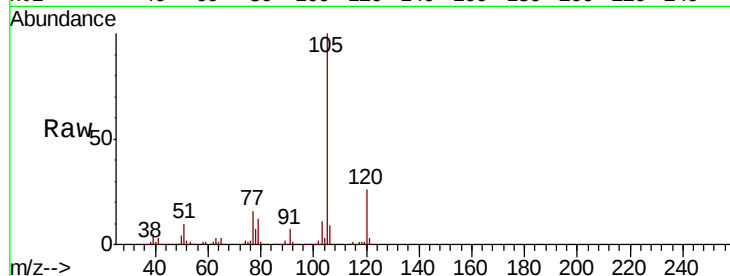
Tot Ion:105 Resp: 318126

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

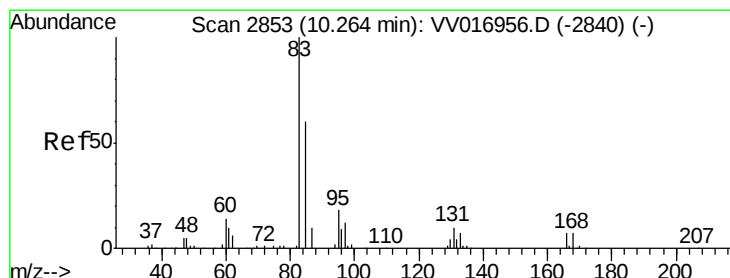
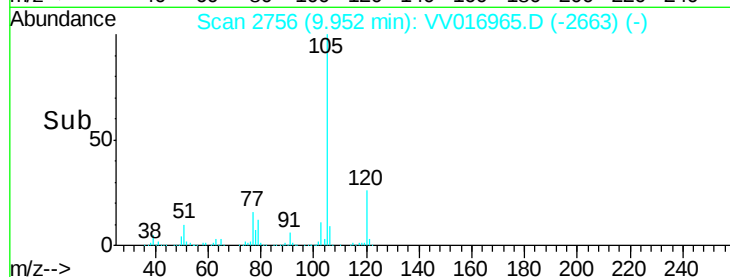
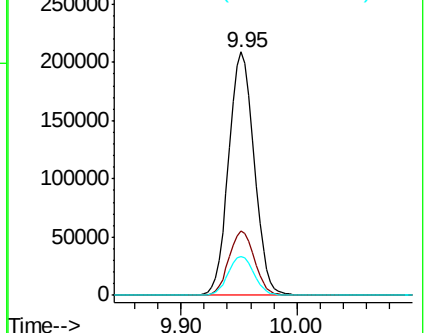
77 16.4 13.0 19.4



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: 5.277 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

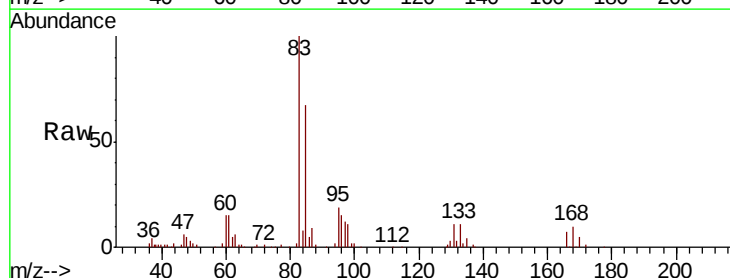
Tgt Ion: 83 Resp: 47098

Ion Ratio Lower Upper

83 100

85 67.1 42.9 79.7

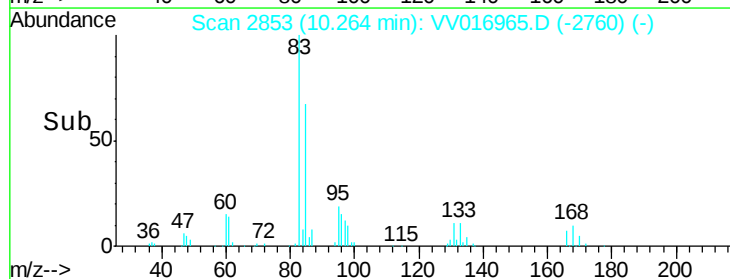
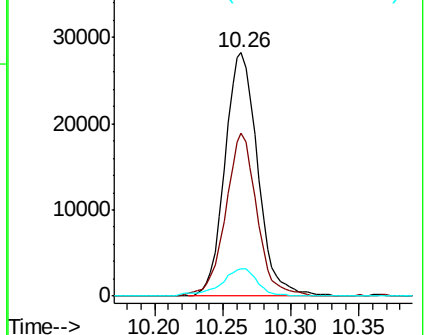
131 11.3 8.6 13.0

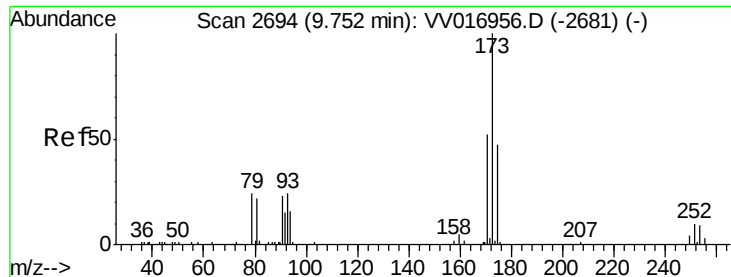


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.927 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

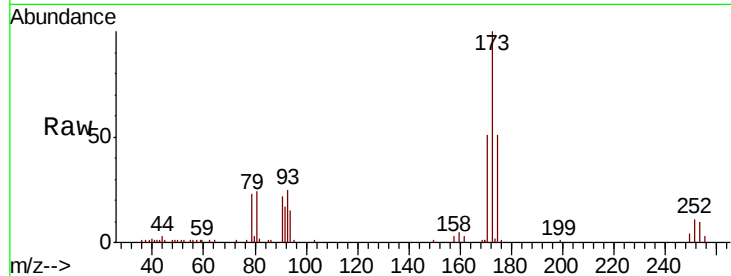
Tot Ion:173 Resp: 27047

Ion Ratio Lower Upper

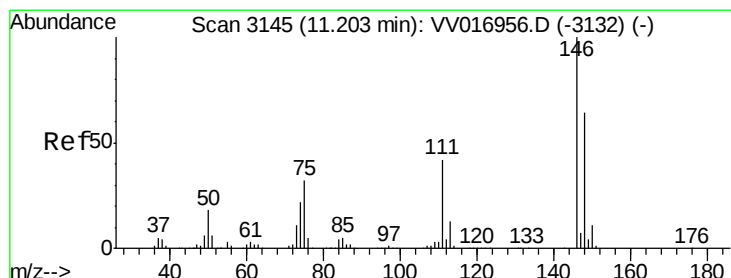
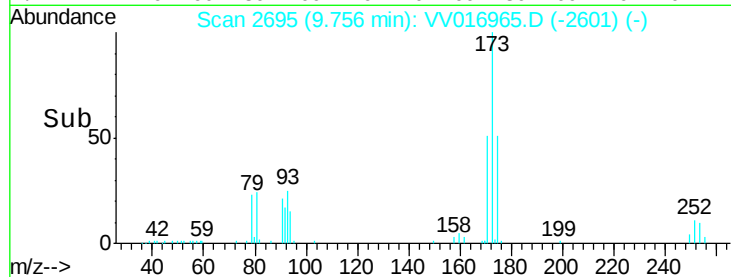
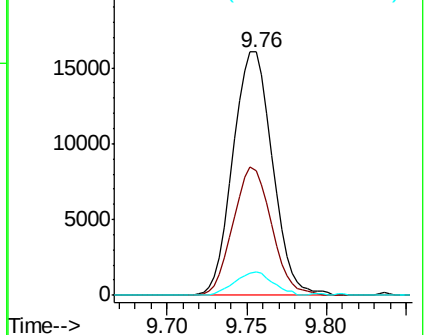
173 100

175 51.1 39.4 59.2

254 9.2 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: 4.914 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

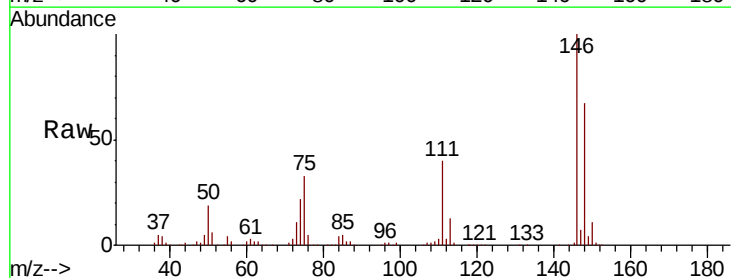
Tgt Ion:146 Resp: 151796

Ion Ratio Lower Upper

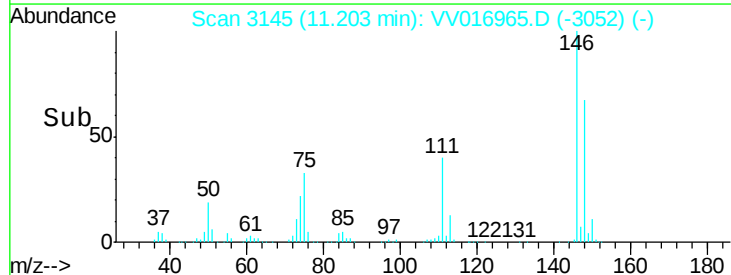
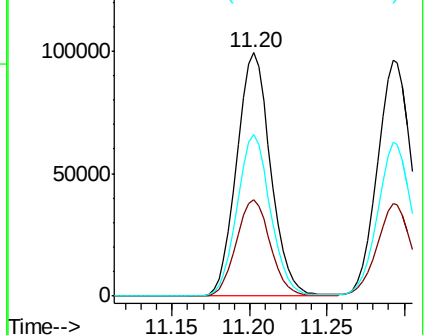
146 100

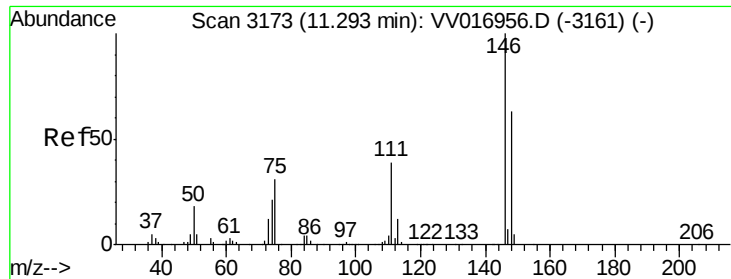
111 39.6 29.2 54.2

148 66.6 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: 4.829 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

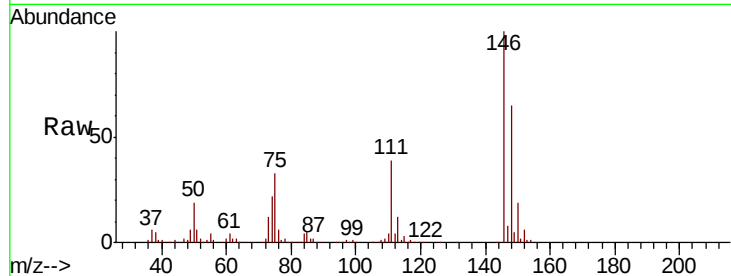
Tot Ion:146 Resp: 151617

Ion Ratio Lower Upper

146 100

111 39.4 27.4 50.8

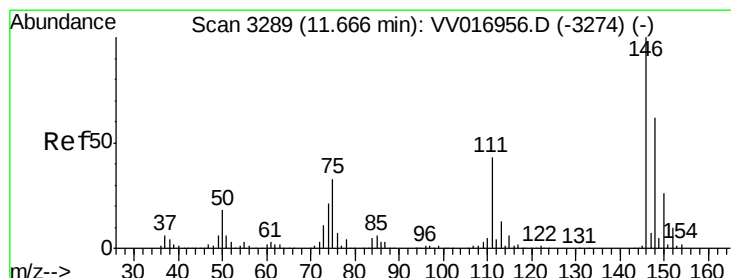
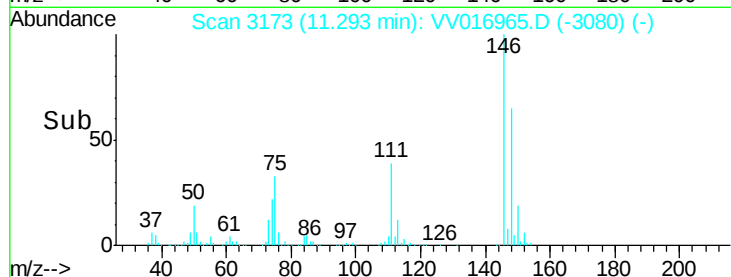
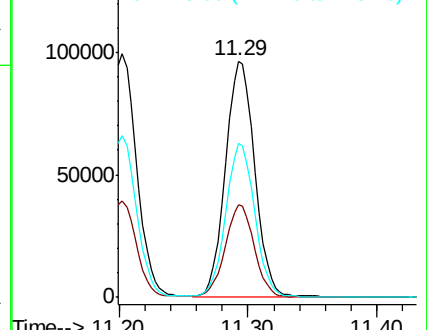
148 65.0 44.3 82.3



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: 4.942 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

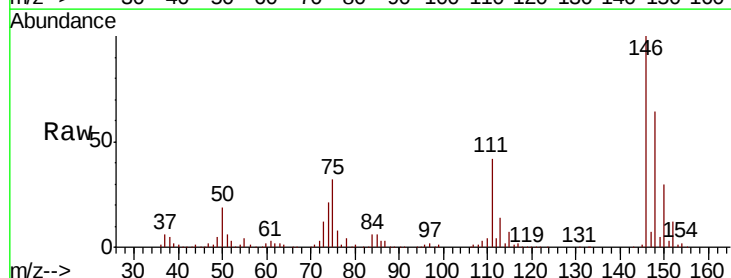
Tgt Ion:146 Resp: 138558

Ion Ratio Lower Upper

146 100

111 42.5 34.4 51.6

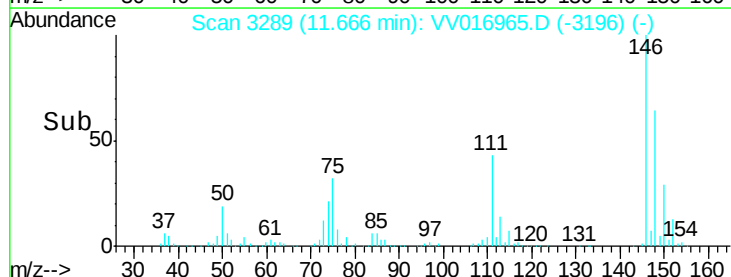
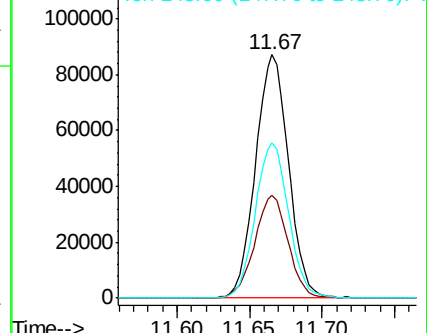
148 63.7 49.9 74.9

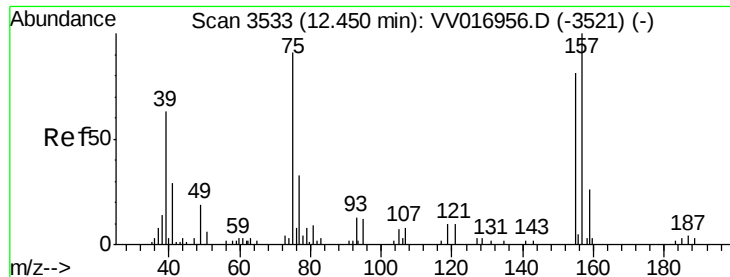


Abundance Ion 145.95 (145.65 to 146.65): V

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: 4.516 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

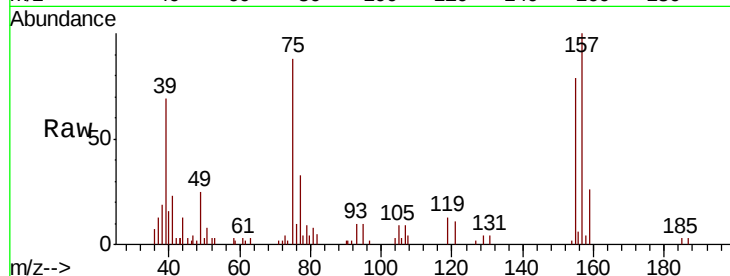
Tot Ion: 75 Resp: 7003

Ion Ratio Lower Upper

75 100

155 89.3 71.1 106.7

157 113.3 88.3 132.5

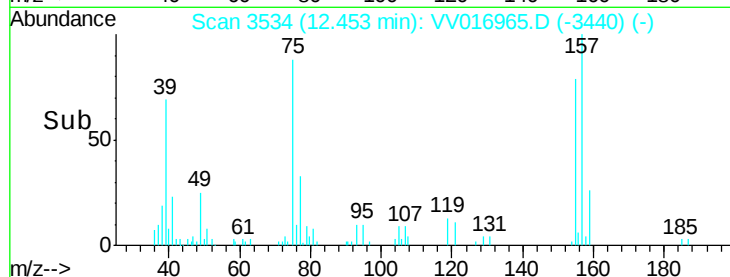


Abundance Ion 75.05 (74.75 to 75.75): VV016965.D (-3521) (-)

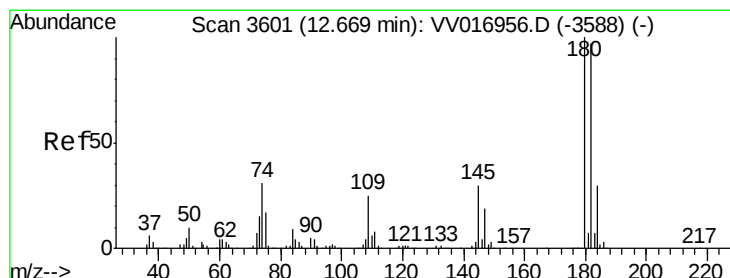
Ion 154.95 (154.65 to 155.65): VV016965.D (-3521) (-)

Ion 156.90 (156.60 to 157.60): VV016965.D (-3521) (-)

Time-->



Time-->



#68

1,3,5-Trichlorobenzene

Concen: 4.754 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV016965.D

Acq: 17 Jun 2020 17:32

Tgt Ion: 180 Resp: 117992

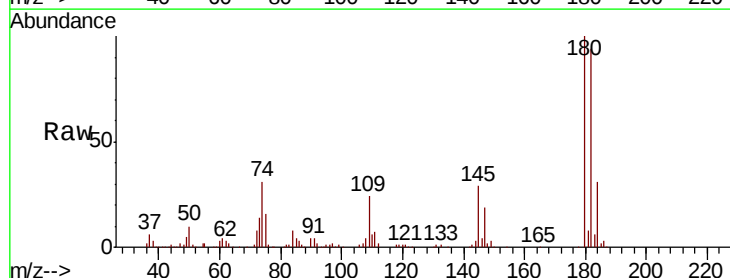
Ion Ratio Lower Upper

180 100

182 94.4 77.4 116.2

184 31.2 24.2 36.4

145 30.0 24.3 36.5



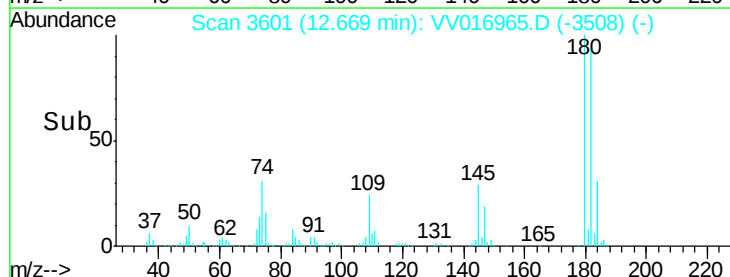
Abundance Ion 180.00 (179.70 to 180.70): VV016965.D (-3588) (-)

Ion 182.00 (181.70 to 182.70): VV016965.D (-3588) (-)

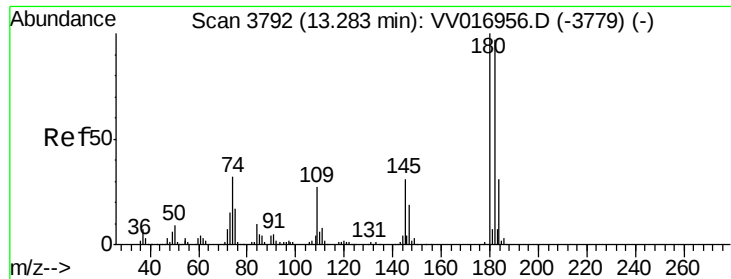
Ion 184.00 (183.70 to 184.70): VV016965.D (-3588) (-)

Ion 145.00 (144.70 to 145.70): VV016965.D (-3588) (-)

Time-->



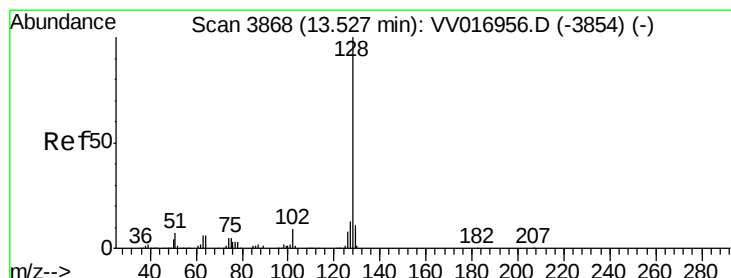
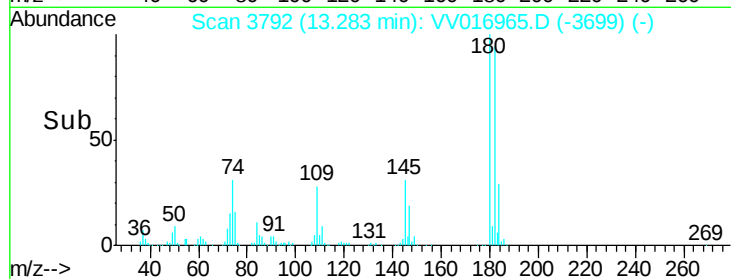
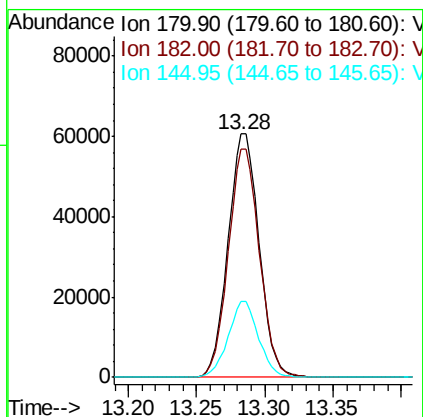
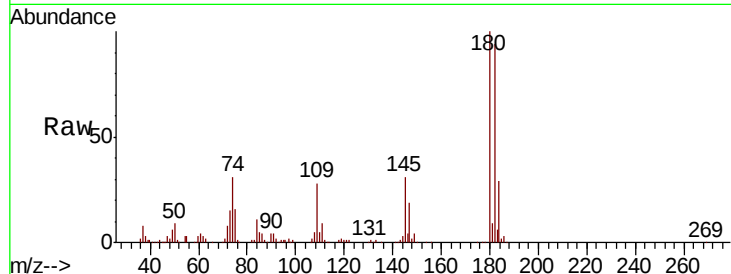
Time-->



#69
 1,2,4-trichlorobenzene
 Concen: 4.690 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016965.D
 Acq: 17 Jun 2020 17:32

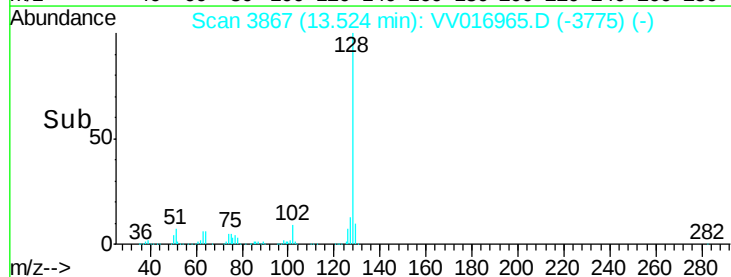
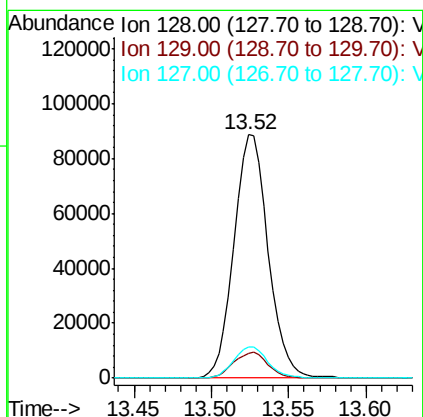
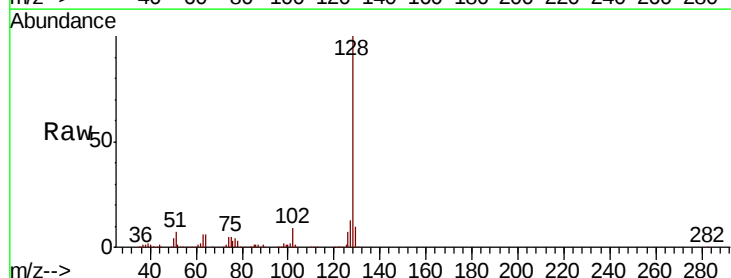
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

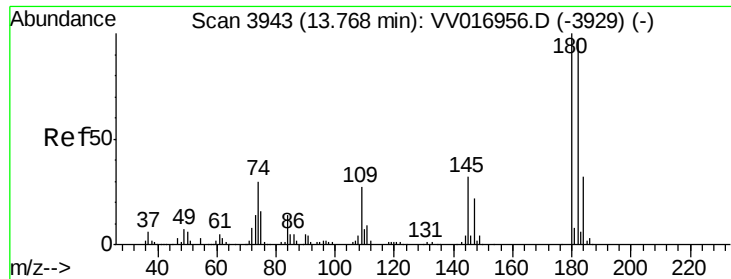
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.6	114.8
145	30.5	25.0	37.6



#70
 Naphthalene
 Concen: 4.723 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV016965.D
 Acq: 17 Jun 2020 17:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.9	10.5	15.7





#71
 1,2,3-Trichlorobenzene
 Concen: 4.823 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016965.D
 Acq: 17 Jun 2020 17:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tot Ion:180	Resp:	80369
Ion	Ratio	Lower Upper
180	100	
182	94.4	77.4 116.0
145	32.3	25.9 38.9

