

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101920\
 Data File : VV018999.D
 Acq On : 20 Oct 2020 05:06
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

Quant Time: Oct 20 06:55:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 03:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	335988	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	327098	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	176895	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86868	31.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.82%
7) Chloroethane-d5	1.58	69	79843	36.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.88%
11) 1,1-Dichloroethene-d2	2.12	63	202855	38.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.70%
21) 2-Butanone-d5	3.91	46	189326	98.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.21%
24) Chloroform-d	4.37	84	215540	43.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.74%
26) 1,2-Dichloroethane-d4	5.05	65	142374	43.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.34%
32) Benzene-d6	5.07	84	394173	41.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.56%
36) 1,2-Dichloropropane-d6	6.09	67	134215	43.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.92%
41) Toluene-d8	7.34	98	362249	42.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.58%
43) trans-1,3-Dichloropropene-	7.64	79	60580	40.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.18%
47) 2-Hexanone-d5	8.11	63	113625	100.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.18%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	171726	47.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.98%
64) 1,2-Dichlorobenzene-d4	11.65	152	152888	42.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	128690	44.234	ug/L 99
3) Chloromethane	1.25	50	145148	44.237	ug/L 100
5) Vinyl chloride	1.32	62	147026	46.362	ug/L 99
6) Bromomethane	1.53	94	87234	45.086	ug/L 99
8) Chloroethane	1.59	64	91840	48.286	ug/L 100
9) Trichlorofluoromethane	1.76	101	202848	48.461	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	107252	49.207	ug/L 99
12) 1,1-Dichloroethene	2.13	96	107102	48.488	ug/L 89
13) Acetone	2.19	43	129130	91.668	ug/L 99
14) Carbon disulfide	2.31	76	335984	44.647	ug/L 100
15) Methyl Acetate	2.44	43	146021	50.461	ug/L 98
16) Methylene chloride	2.52	84	128732	48.581	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	116611	47.558	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	373694	48.237	ug/L 100
19) 1,1-Dichloroethane	3.21	63	234397	49.138	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	128360	49.393	ug/L 98
22) 2-Butanone	3.99	43	196057	102.362	ug/L 99

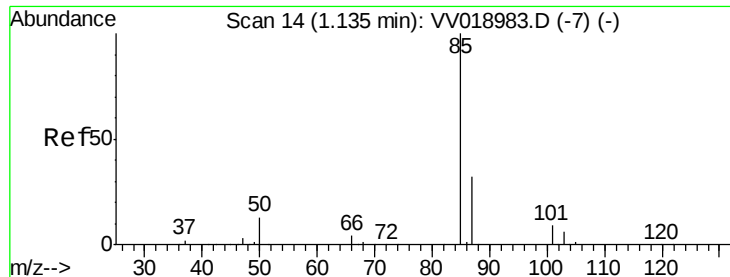
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	66338	49.427	uq/L	96
25) Chloroform	4.40	83	238186	49.655	uq/L	97
27) 1,2-Dichloroethane	5.15	62	191255	48.809	uq/L	100
29) Cyclohexane	4.70	56	200375	51.547	uq/L	99
30) 1,1,1-Trichloroethane	4.63	97	203363	50.105	uq/L	99
31) Carbon tetrachloride	4.86	117	174767	50.592	uq/L	100
33) Benzene	5.13	78	504330	50.297	uq/L	100
34) Trichloroethene	5.94	95	141702	49.006	uq/L	98
35) Methylcyclohexane	6.15	83	176081	50.281	uq/L	99
37) 1,2-Dichloropropane	6.20	63	139105	51.823	uq/L	99
38) Bromodichloromethane	6.53	83	172983	50.265	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	190620	47.261	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	390811	105.577	uq/L	100
42) Toluene	7.41	91	531944	51.365	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	190556	48.754	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	120393	48.219	uq/L	99
46) Tetrachloroethene	8.00	164	96838	47.521	uq/L	96
48) 2-Hexanone	8.16	43	300911	102.525	uq/L	100
49) Dibromochloromethane	8.27	129	131343	49.688	uq/L	100
50) 1,2-Dibromoethane	8.37	107	126189	48.496	uq/L	100
51) Chlorobenzene	8.90	112	330323	48.924	uq/L	99
52) Ethylbenzene	9.03	91	573444	51.151	uq/L	99
53) m,p-Xylene	9.16	106	214317	51.313	uq/L	99
54) o-xylene	9.56	106	206685	51.725	uq/L	98
55) Styrene	9.58	104	375796	53.469	uq/L	97
56) Isopropylbenzene	9.95	105	549907	52.422	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	169985	50.139	uq/L	99
59) 1,2,3-Trichloropropane	10.29	75	163164	50.218	uq/L	99
61) Bromoform	9.75	173	94331	48.816	uq/L	98
62) 1,3-Dichlorobenzene	11.20	146	267940	48.860	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	273193	47.384	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	265659	48.015	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	38236	46.374	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	174839	47.462	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	154121	45.404	uq/L	100
69) Naphthalene	13.52	128	468318	48.615	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	161950	47.730	uq/L	100

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



#2

Dichlorodifluoromethane

Concen: 44.234 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

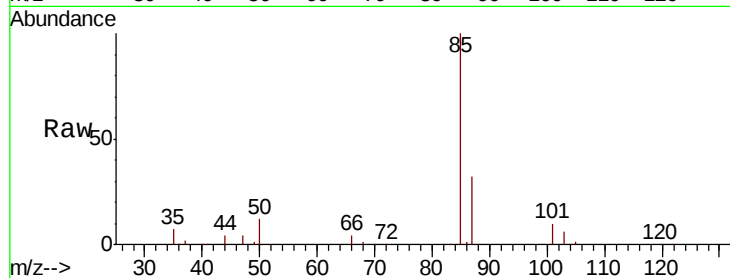
VSTD05096

Tot Ion: 85 Resp: 128690

Ion Ratio Lower Upper

85 100

87 32.2 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV018983.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018983.D (-7) (-)

1.14

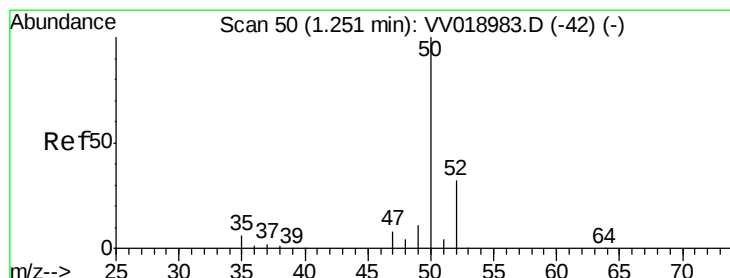
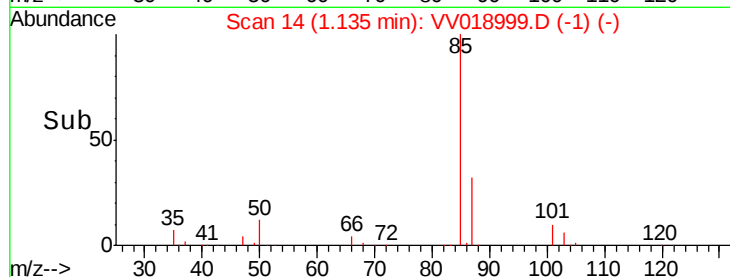
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.237 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018999.D

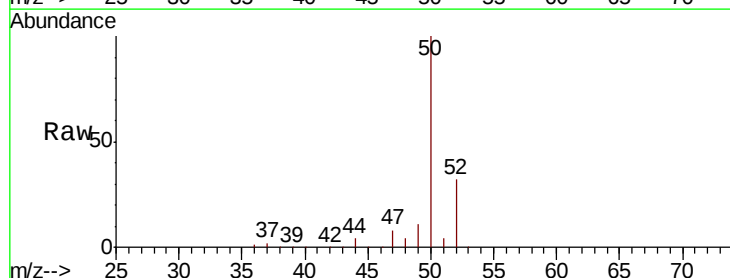
Acq: 20 Oct 2020 05:06

Tgt Ion: 50 Resp: 145148

Ion Ratio Lower Upper

50 100

52 32.0 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV018983.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018983.D (-42) (-)

1.25

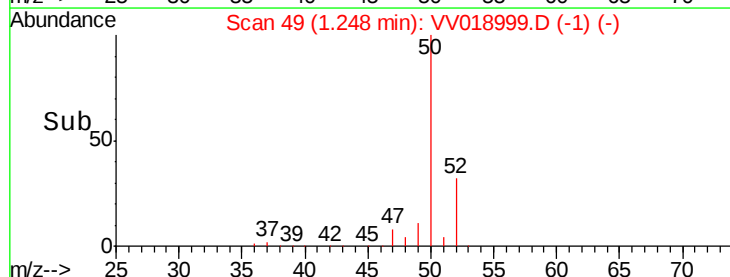
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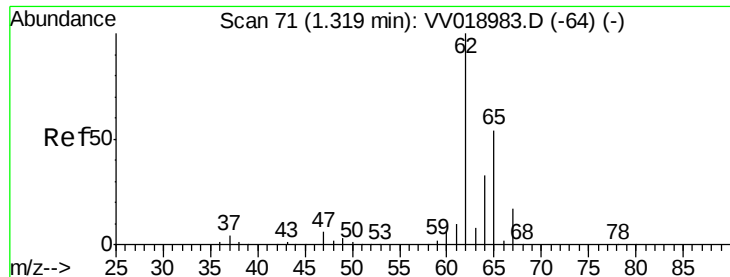
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.362 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

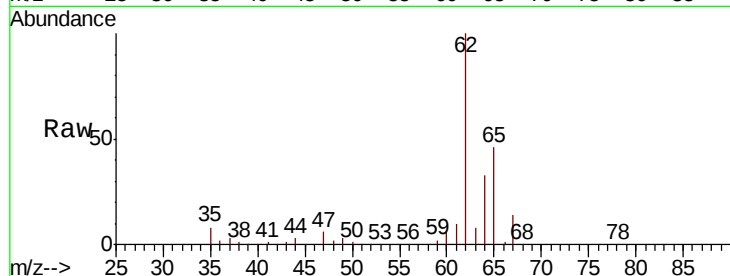
VSTD05096

Tot Ion: 62 Resp: 147026

Ion Ratio Lower Upper

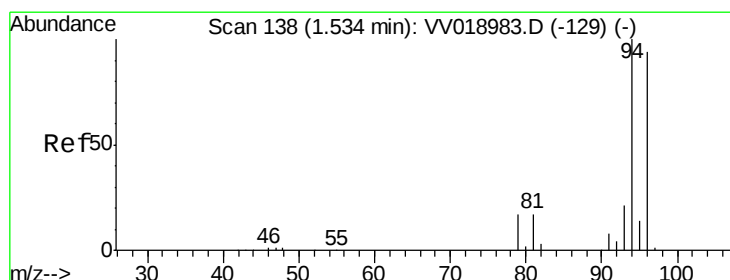
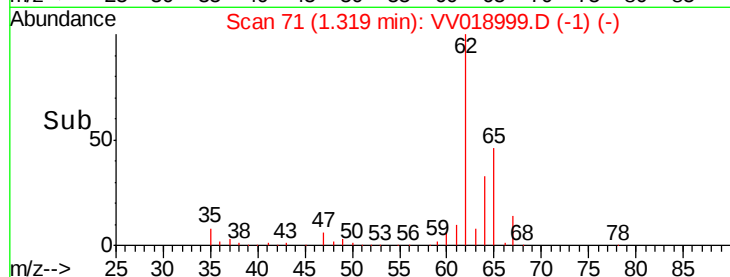
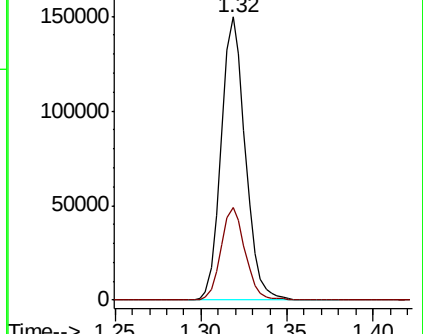
62 100

64 32.8 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.086 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018999.D

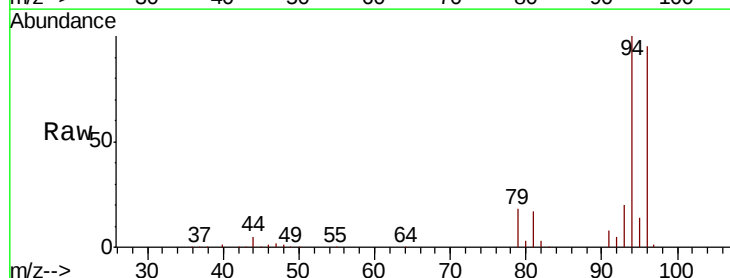
Acq: 20 Oct 2020 05:06

Tgt Ion: 94 Resp: 87234

Ion Ratio Lower Upper

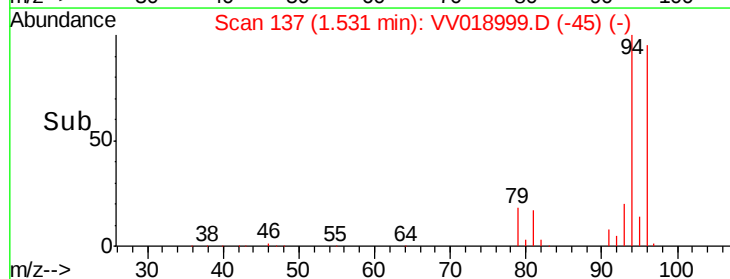
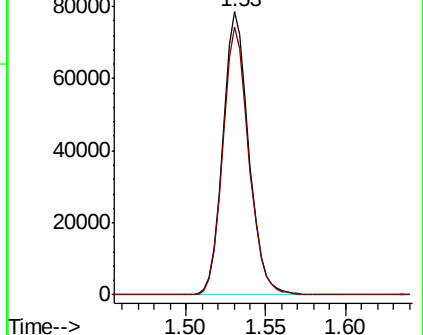
94 100

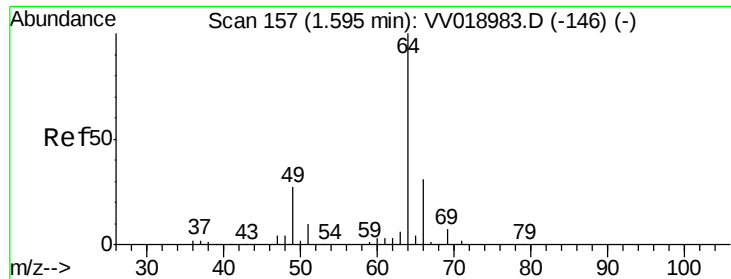
96 94.7 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

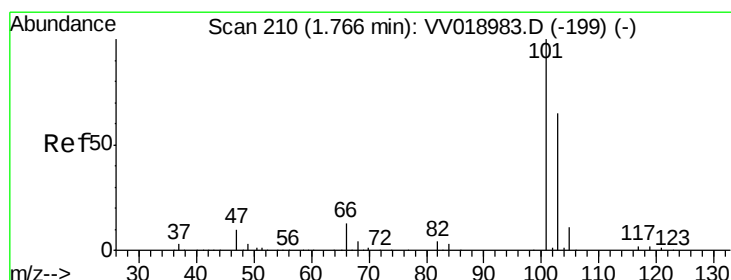
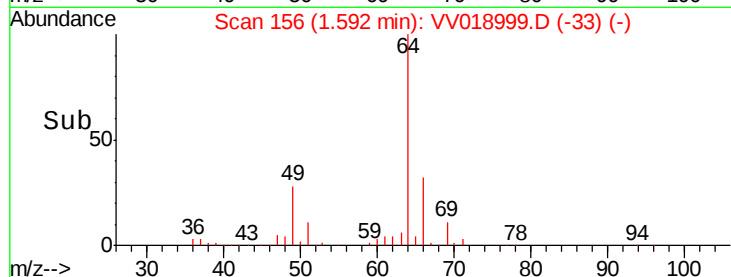
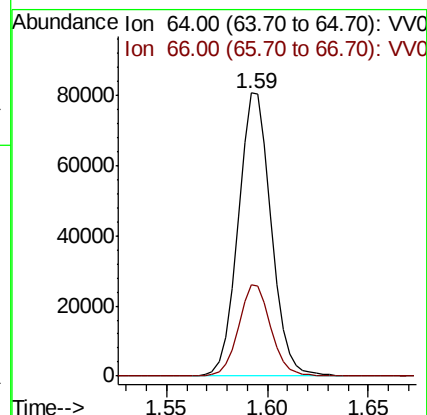
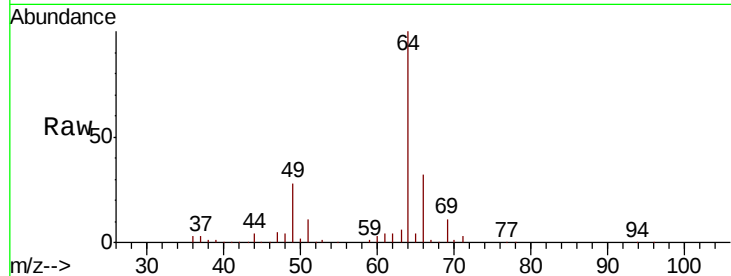




#8
Chloroethane
Concen: 48.286 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV018999.D
Acq: 20 Oct 2020 05:06

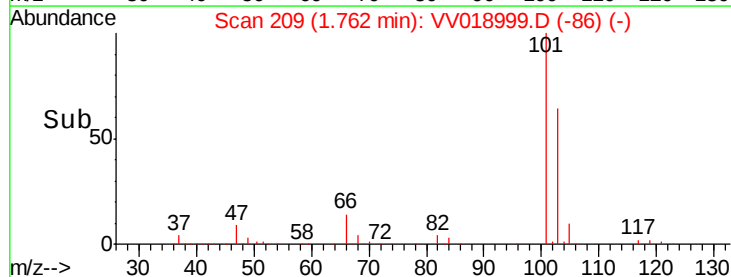
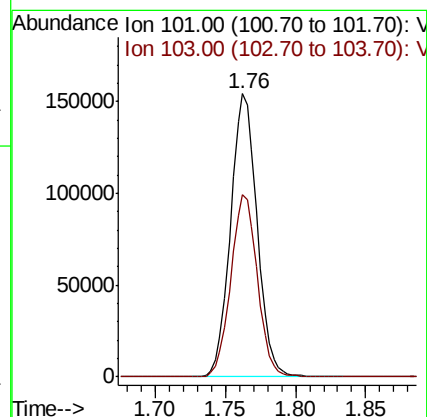
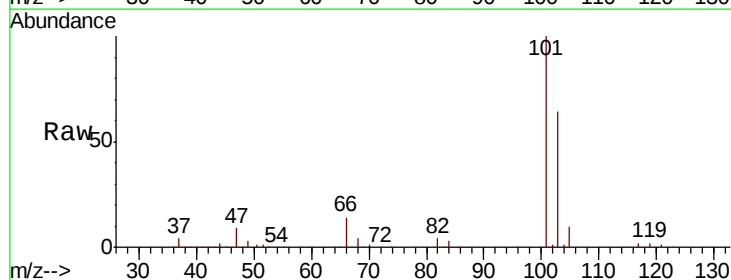
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

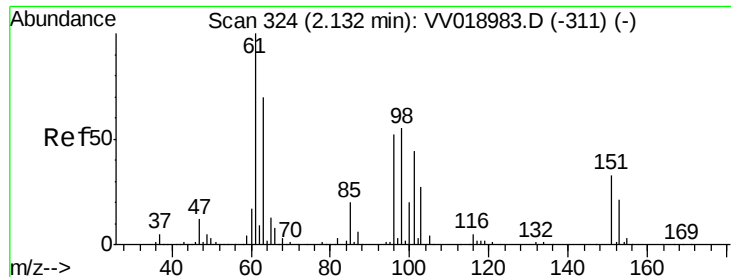
Tot Ion: 64 Resp: 91840
Ion Ratio Lower Upper
64 100
66 32.3 22.7 42.1



#9
Trichlorofluoromethane
Concen: 48.461 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018999.D
Acq: 20 Oct 2020 05:06

Tgt Ion: 101 Resp: 202848
Ion Ratio Lower Upper
101 100
103 64.3 51.9 77.9





#10

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

Concen: 49.207 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

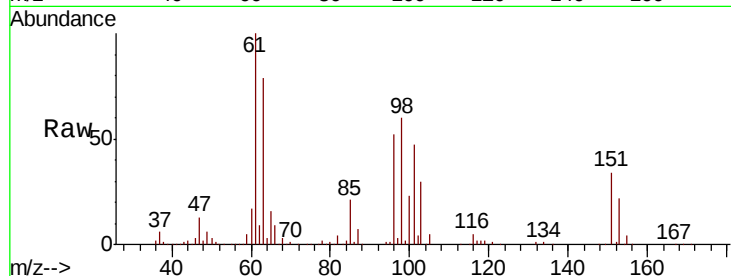
Tot Ion:101 Resp: 107252

Ion Ratio Lower Upper

101 100

85 44.6 35.0 52.4

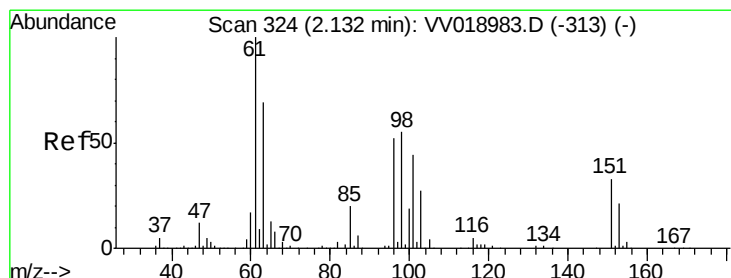
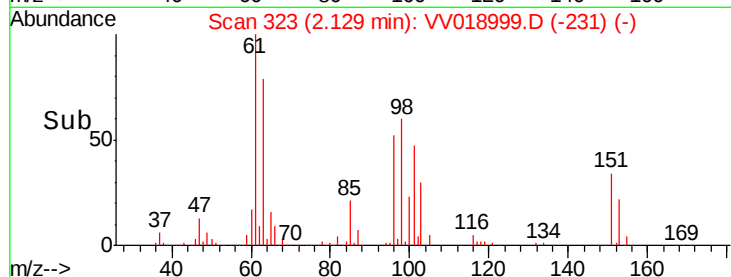
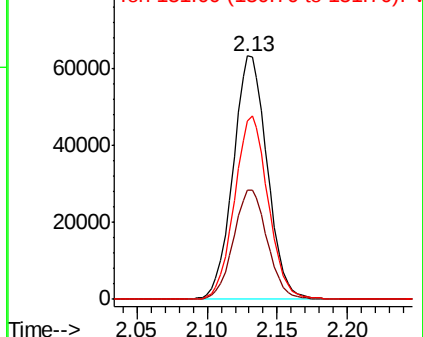
151 74.4 59.7 89.5



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: 48.488 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

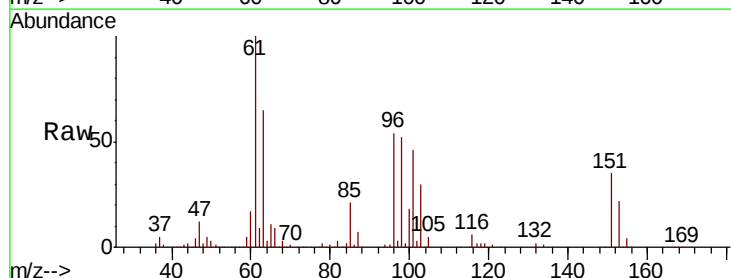
Tgt Ion: 96 Resp: 107102

Ion Ratio Lower Upper

96 100

61 185.0 133.5 247.9

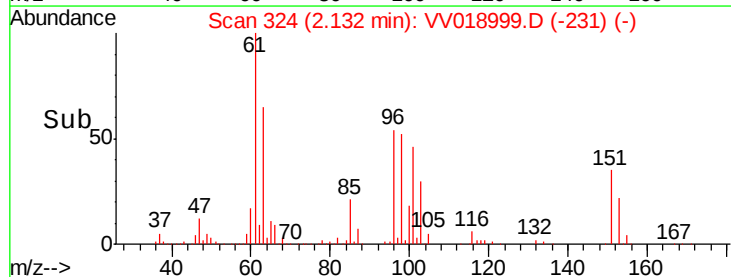
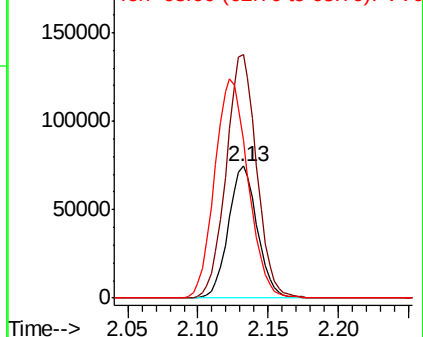
63 120.2 102.1 189.7

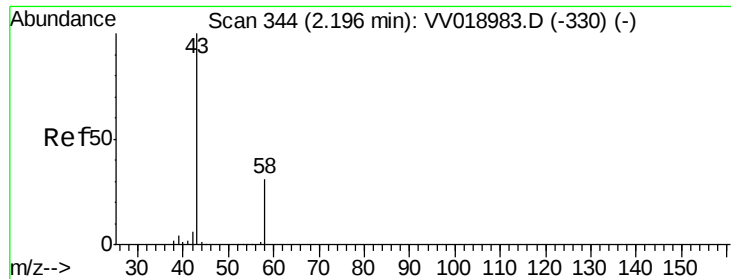


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 91.668 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

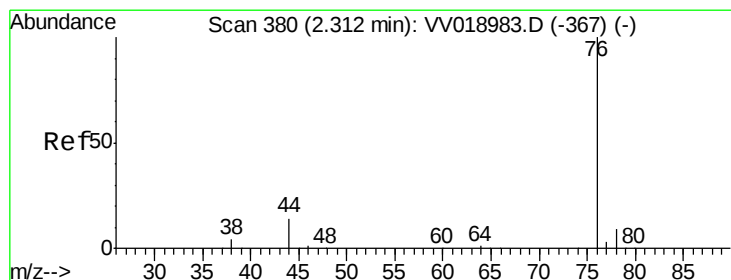
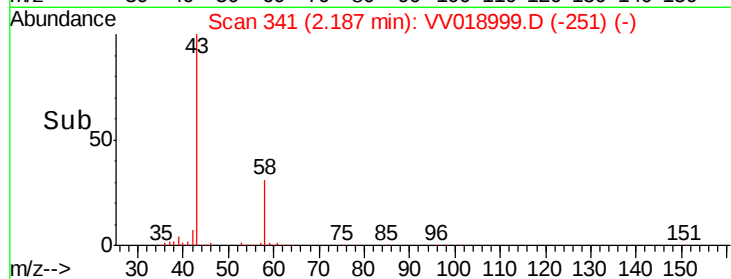
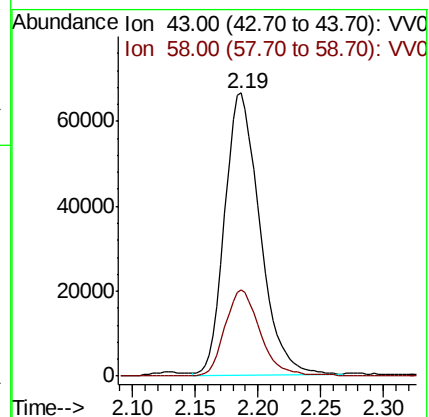
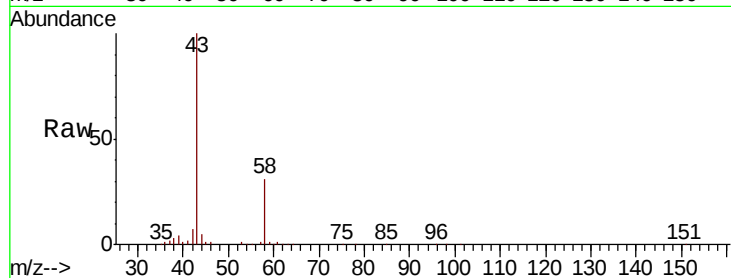
VSTD05096

Tot Ion: 43 Resp: 129130

Ion Ratio Lower Upper

43 100

58 30.1 0.0 58.8



#14

Carbon disulfide

Concen: 44.647 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018999.D

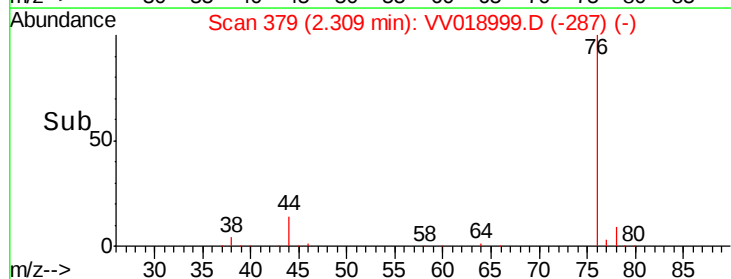
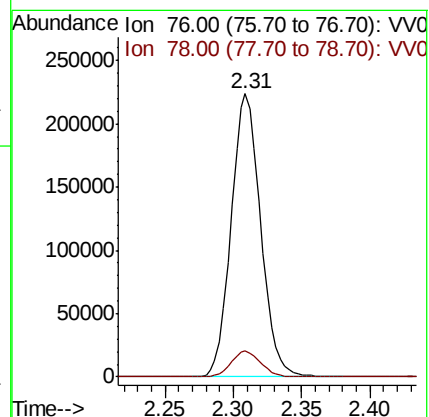
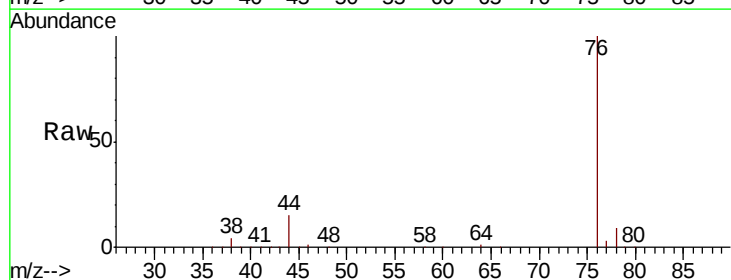
Acq: 20 Oct 2020 05:06

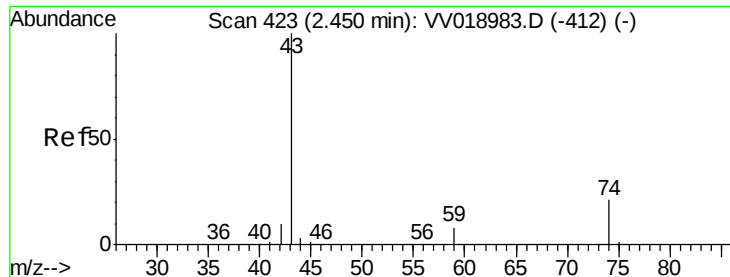
Tgt Ion: 76 Resp: 335984

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

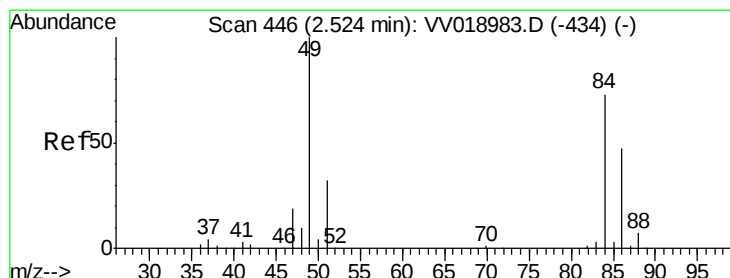
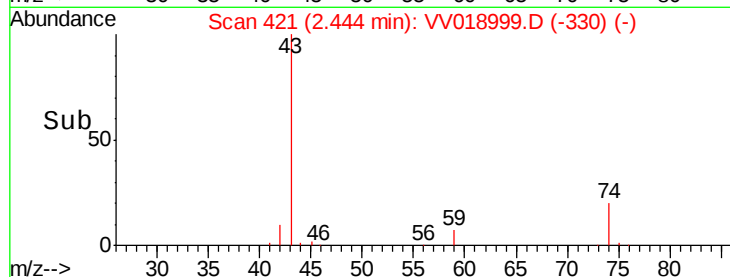
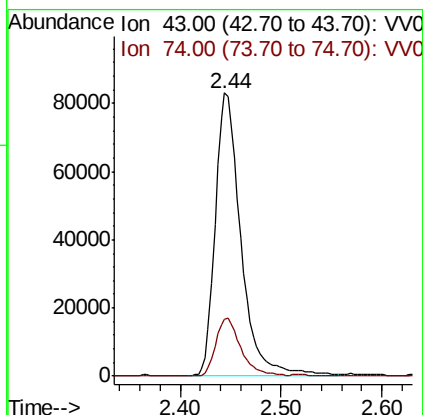
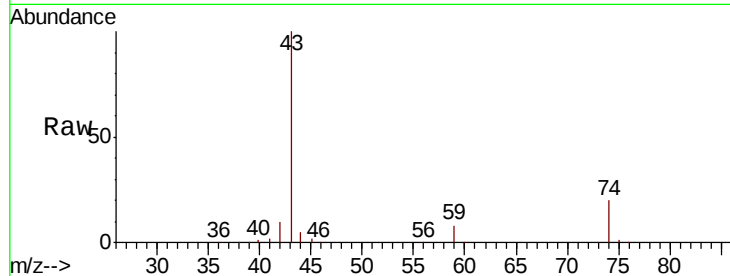




#15
Methvl Acetate
Concen: 50.461 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.01 min
Lab File: VV018999.D
Acq: 20 Oct 2020 05:06

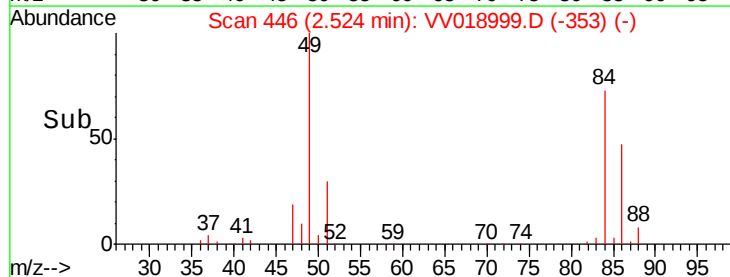
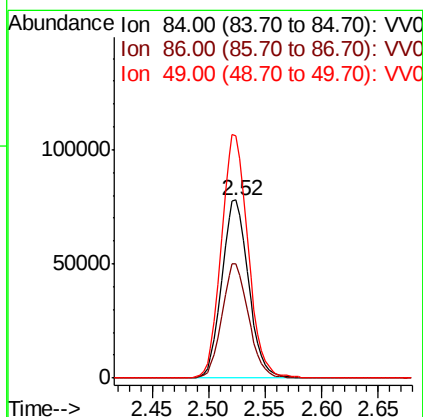
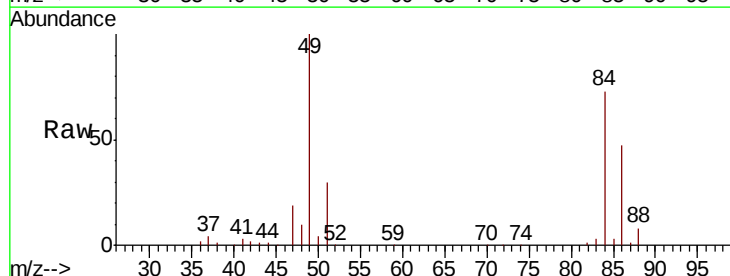
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

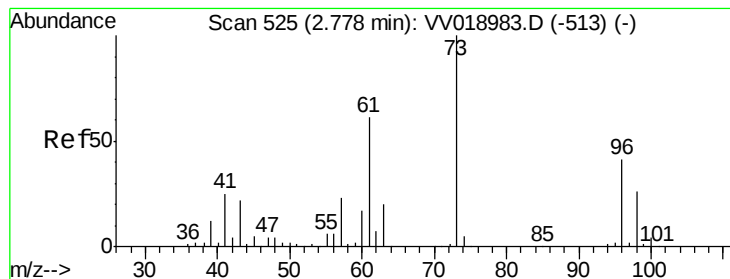
Tot Ion: 43 Resp: 146021
Ion Ratio Lower Upper
43 100
74 20.2 17.0 25.6



#16
Methylene chloride
Concen: 48.581 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018999.D
Acq: 20 Oct 2020 05:06

Tgt Ion: 84 Resp: 128732
Ion Ratio Lower Upper
84 100
86 64.2 46.6 86.6
49 136.2 96.1 178.5





#17

trans-1,2-Dichloroethene

Concen: 47.558 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

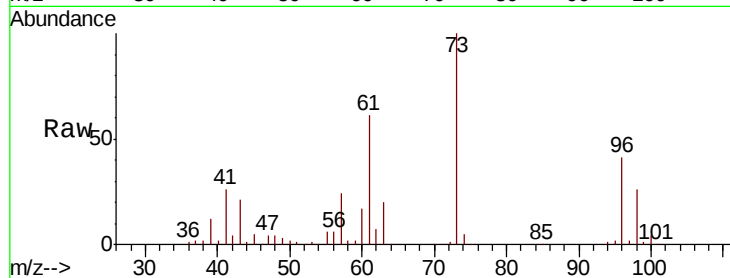
Tot Ion: 96 Resp: 116611

Ion Ratio Lower Upper

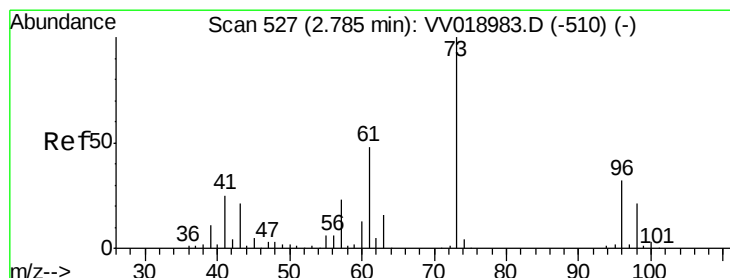
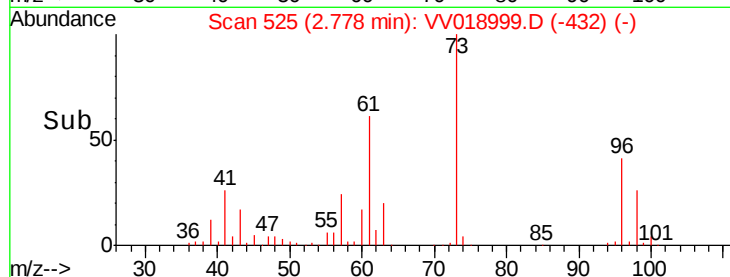
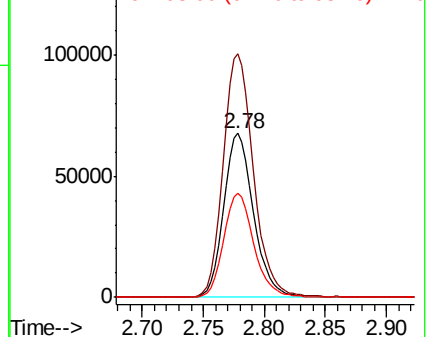
96 100

61 148.7 102.8 190.8

98 63.5 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 48.237 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

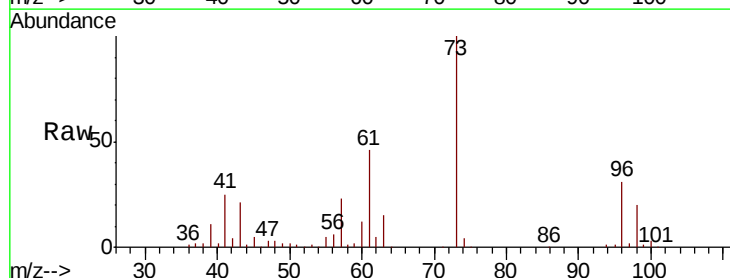
Tgt Ion: 73 Resp: 373694

Ion Ratio Lower Upper

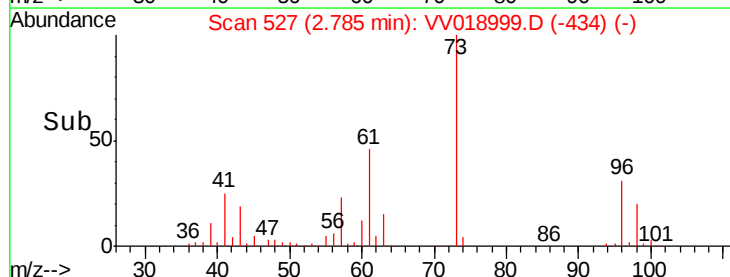
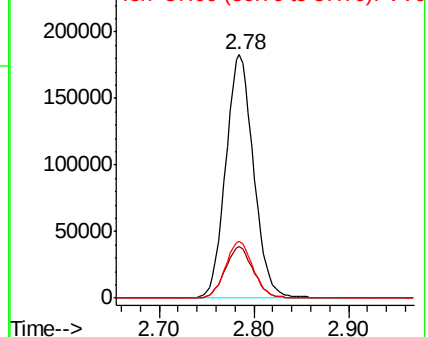
73 100

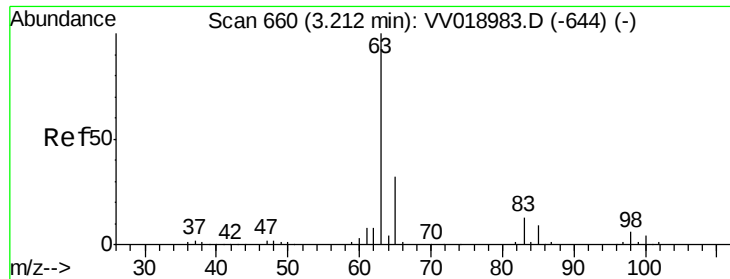
43 21.1 16.9 25.3

57 23.3 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

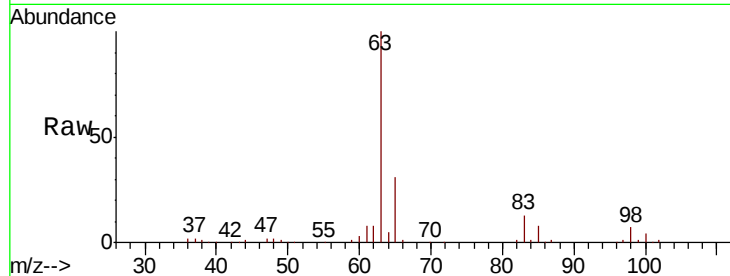




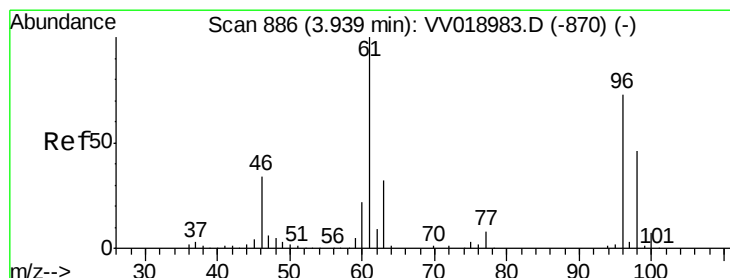
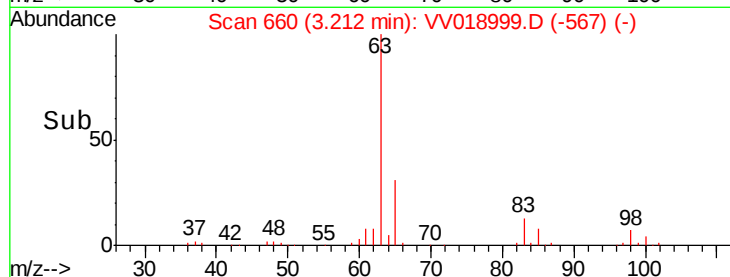
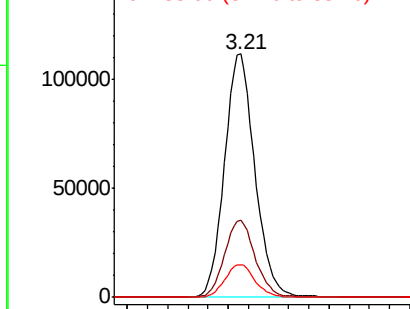
#19
 1,1-Dichloroethane
 Concen: 49.138 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV018999.D
 Acq: 20 Oct 2020 05:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

Tot Ion: 63 Resp: 234397
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.5 41.9
 83 13.4 9.3 17.3

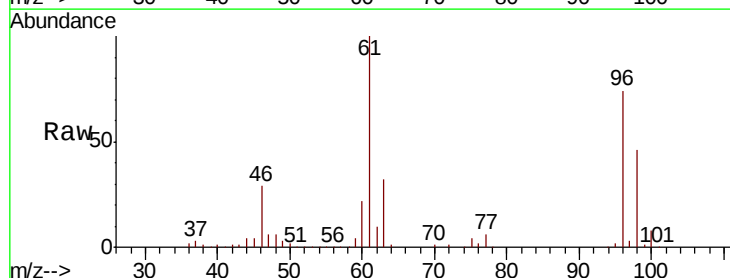


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

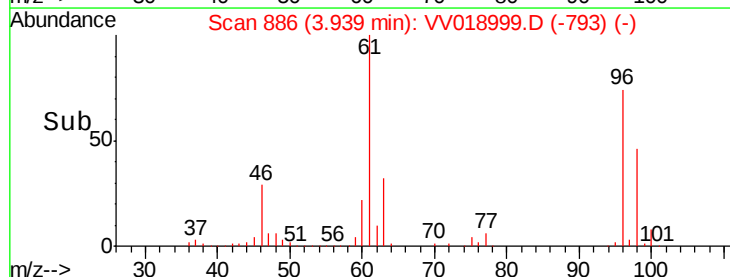
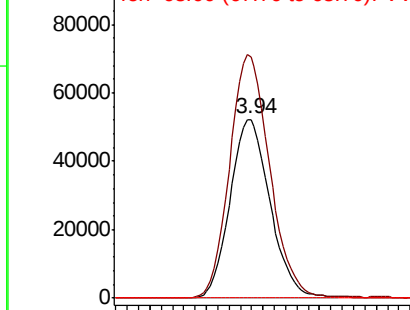


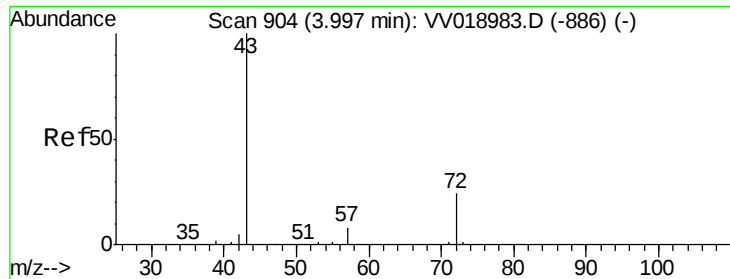
#20
 cis-1,2-Dichloroethene
 Concen: 49.393 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV018999.D
 Acq: 20 Oct 2020 05:06

Tgt Ion: 96 Resp: 128360
 Ion Ratio Lower Upper
 96 100
 61 135.2 96.1 178.5
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 102.362 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.01 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

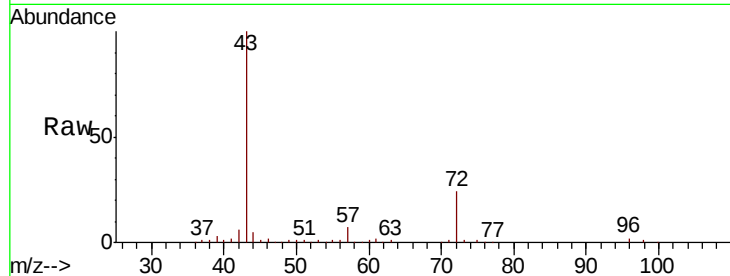
VSTD05096

Tot Ion: 43 Resp: 196057

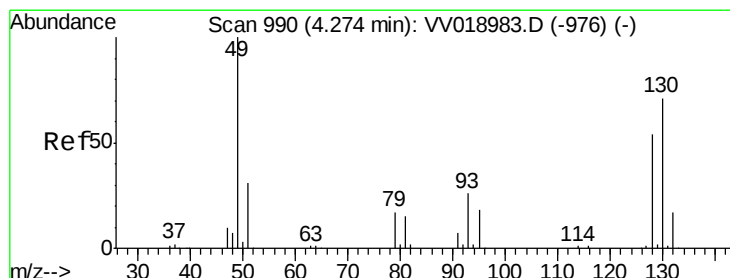
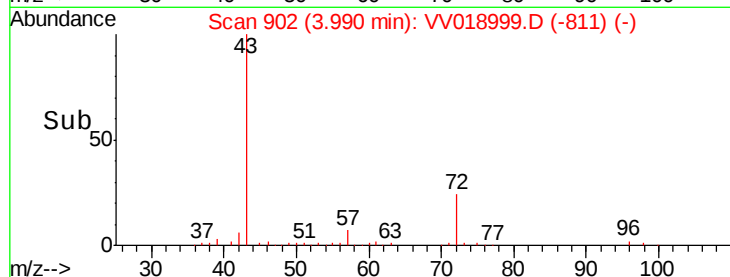
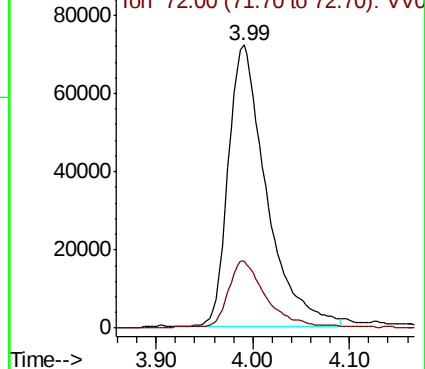
Ion Ratio Lower Upper

43 100

72 22.3 10.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VV018983.D (-886) (-)



#23

Bromochloromethane

Concen: 49.427 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Tgt Ion:128 Resp: 66338

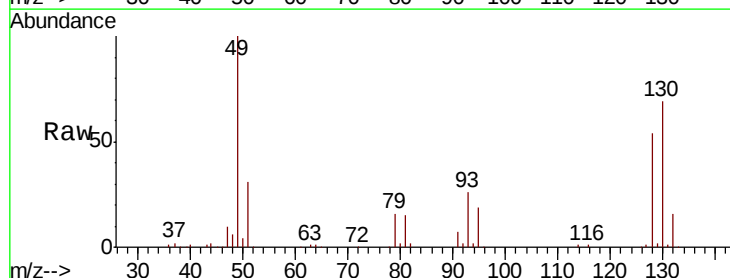
Ion Ratio Lower Upper

128 100

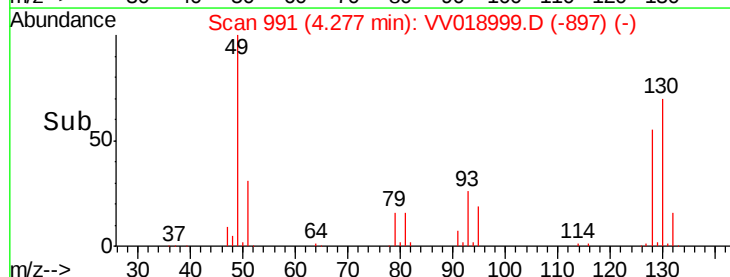
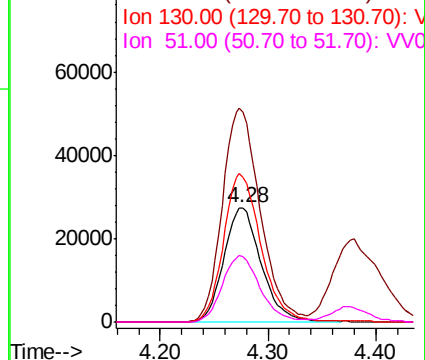
49 183.5 131.7 244.7

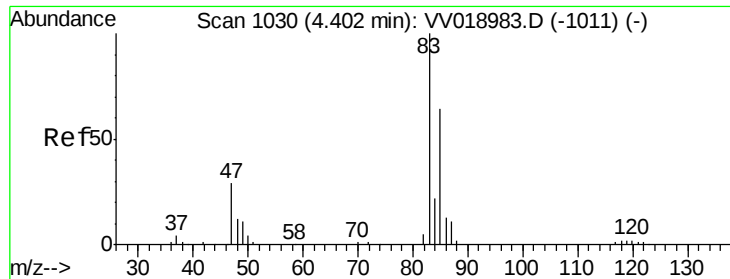
130 127.0 92.8 172.4

51 57.3 47.8 71.6



Abundance Ion 128.00 (127.70 to 128.70): VV018983.D (-976) (-)

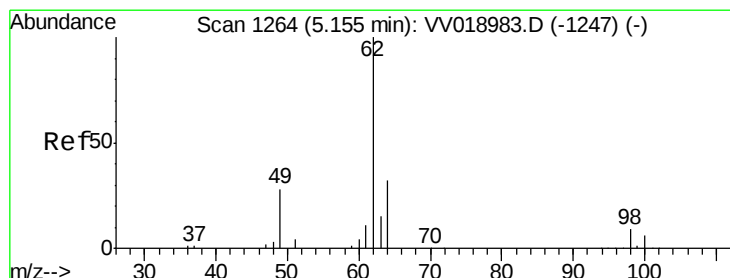
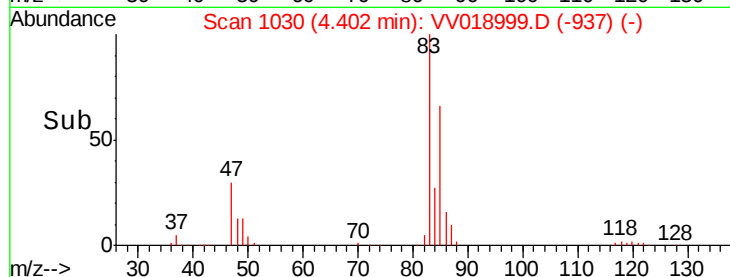
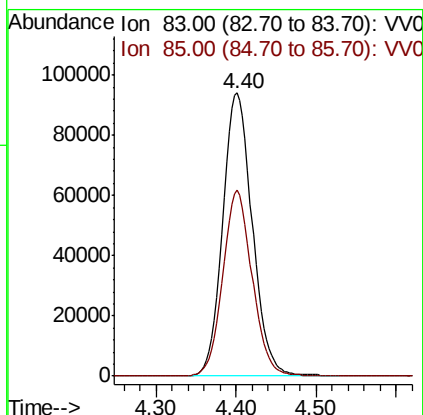
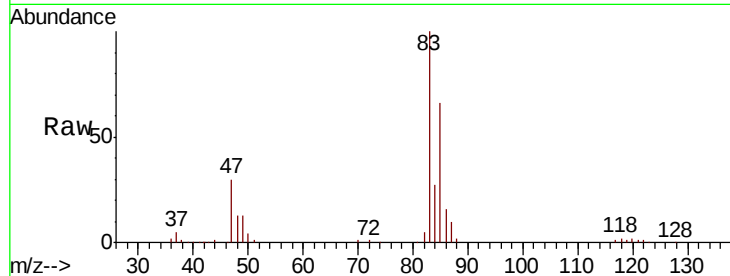




#25
Chloroform
Concen: 49.655 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018999.D
Acq: 20 Oct 2020 05:06

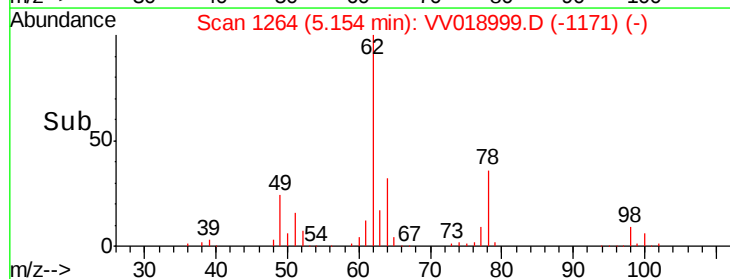
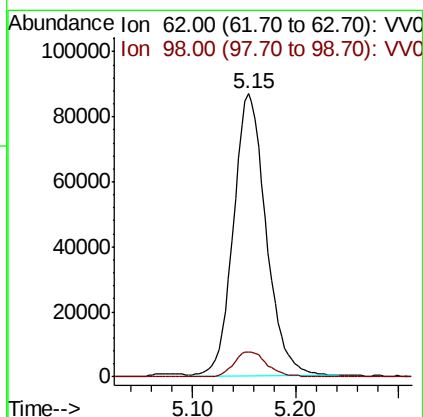
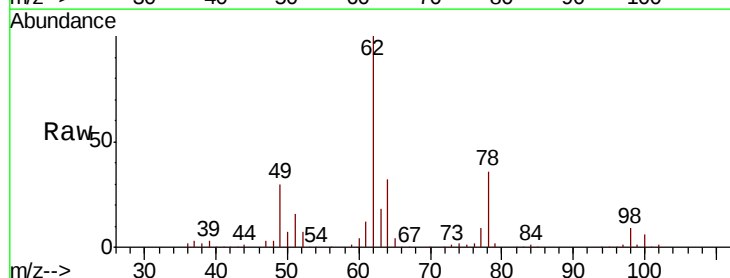
Instrument :
MSVOA_V
ClientSampled :
VSTD05096

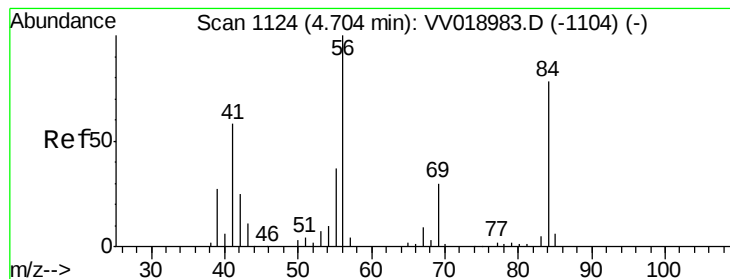
Tot Ion: 83 Resp: 238186
Ion Ratio Lower Upper
83 100
85 65.9 44.6 82.8



#27
1,2-Dichloroethane
Concen: 48.809 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018999.D
Acq: 20 Oct 2020 05:06

Tgt Ion: 62 Resp: 191255
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.6





#29

Cyclohexane

Concen: 51.547 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

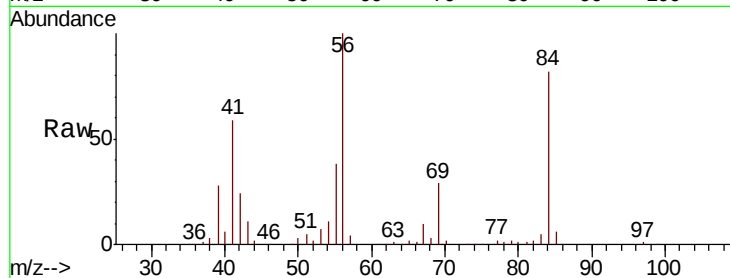
Tot Ion: 56 Resp: 200375

Ion Ratio Lower Upper

56 100

69 29.4 23.5 35.3

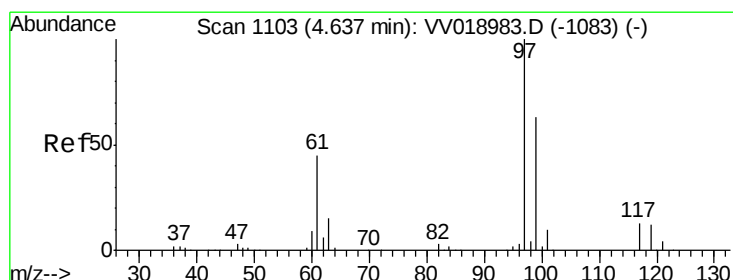
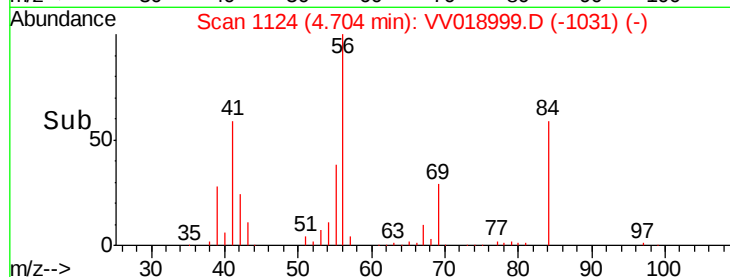
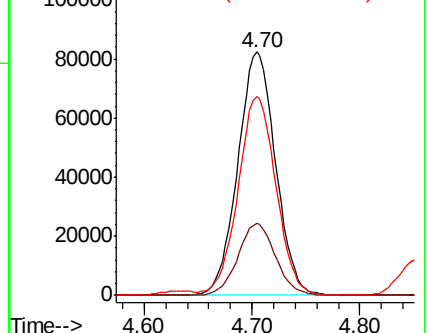
84 82.2 64.7 97.1



Abundance Ion 56.00 (55.70 to 56.70): VV018983.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018983.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018983.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 50.105 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

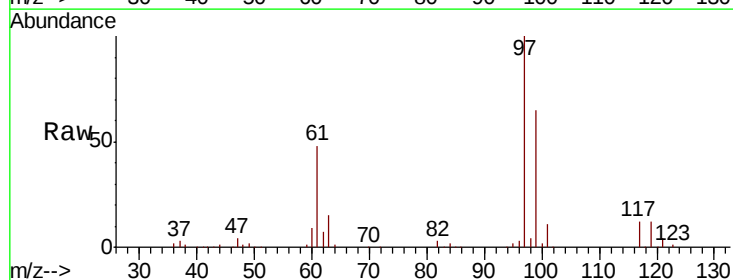
Tgt Ion: 97 Resp: 203363

Ion Ratio Lower Upper

97 100

99 64.9 51.2 76.8

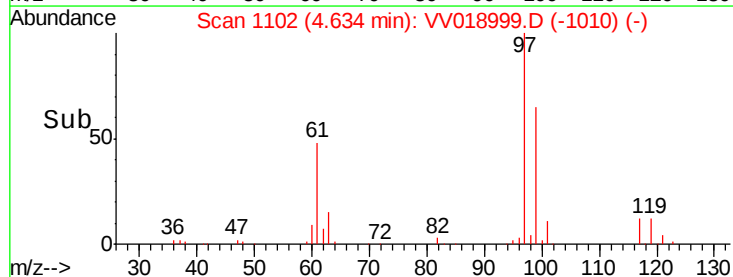
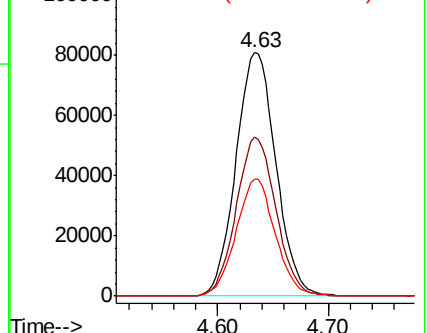
61 47.4 37.5 56.3

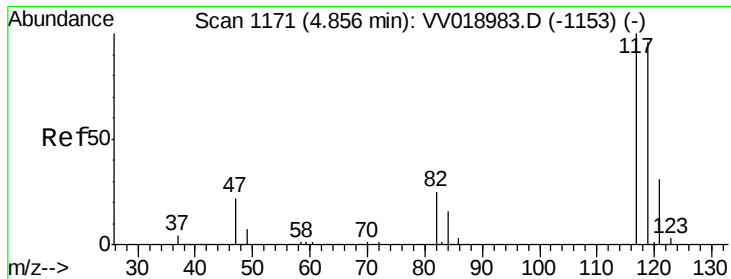


Abundance Ion 97.00 (96.70 to 97.70): VV018983.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV018983.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV018983.D (-1083) (-)





#31

Carbon tetrachloride

Concen: 50.592 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

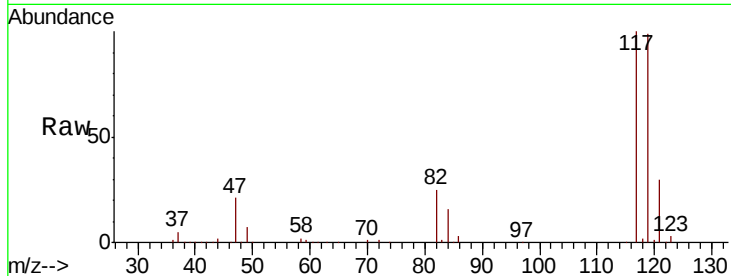
VSTD05096

Tot Ion:117 Resp: 174767

Ion Ratio Lower Upper

117 100

119 96.4 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

80000

60000

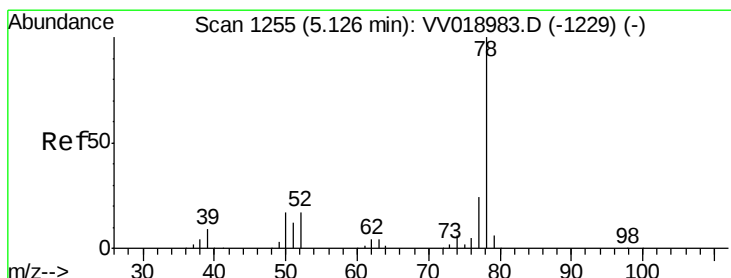
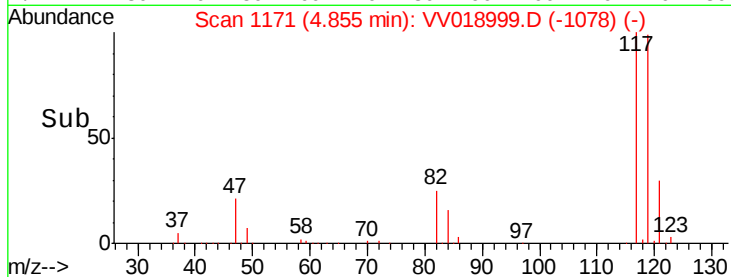
40000

20000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 50.297 ug/L

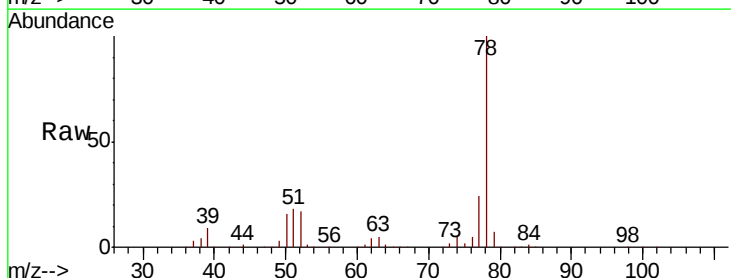
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Tgt Ion: 78 Resp: 504330



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

250000

200000

150000

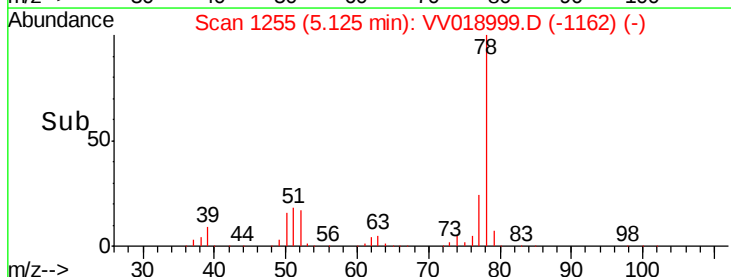
100000

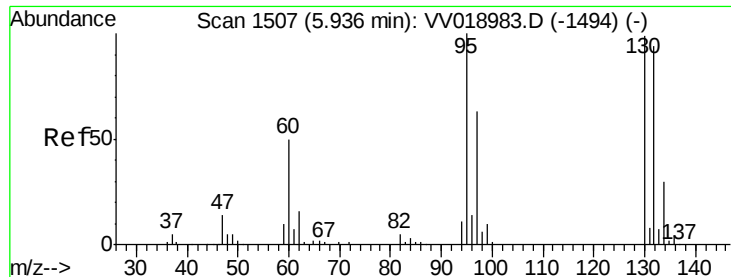
50000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 49.006 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampled :

VSTD05096

Tot Ion: 95 Resp: 141702

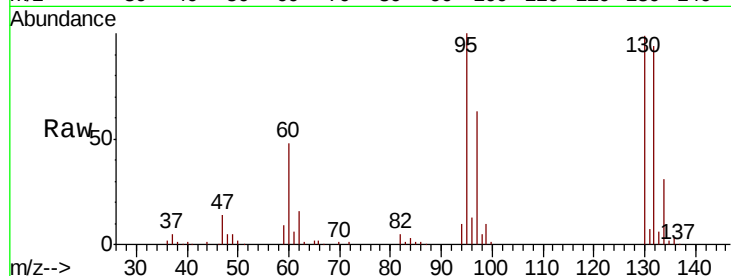
Ion Ratio Lower Upper

95 100

97 63.0 44.7 82.9

132 94.1 67.0 124.4

130 99.0 70.8 131.6

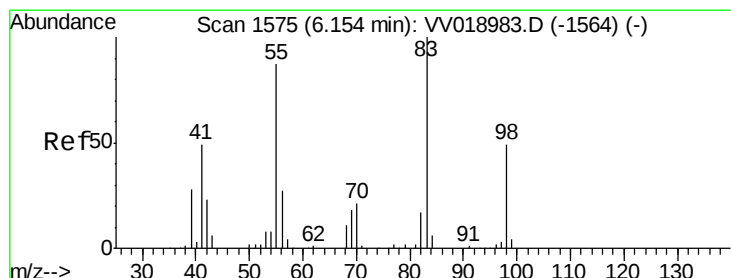
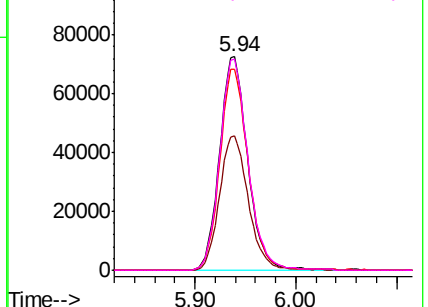
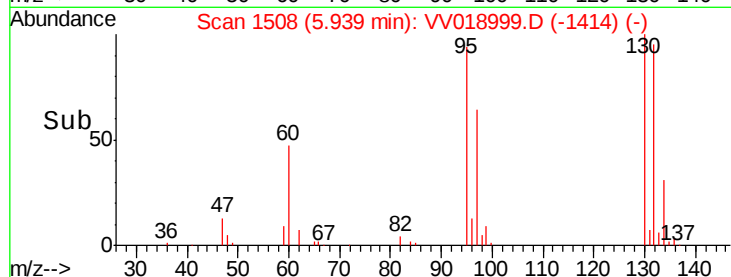


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 50.281 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

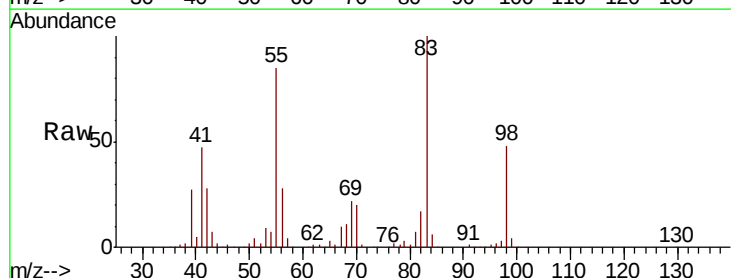
Tgt Ion: 83 Resp: 176081

Ion Ratio Lower Upper

83 100

55 83.5 67.3 100.9

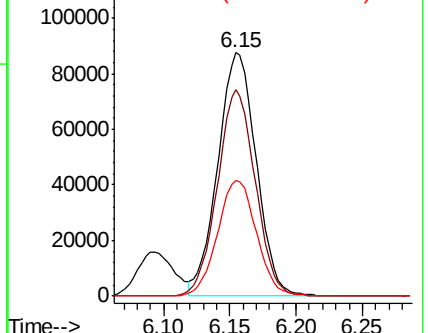
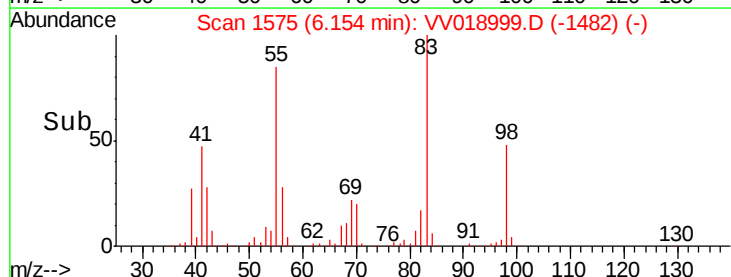
98 48.1 37.9 56.9

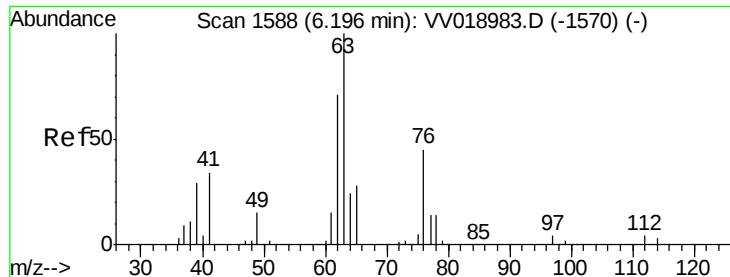


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

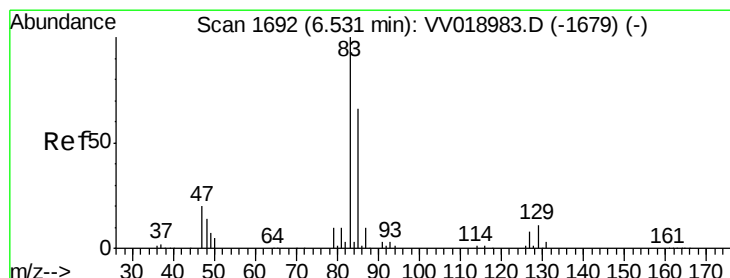
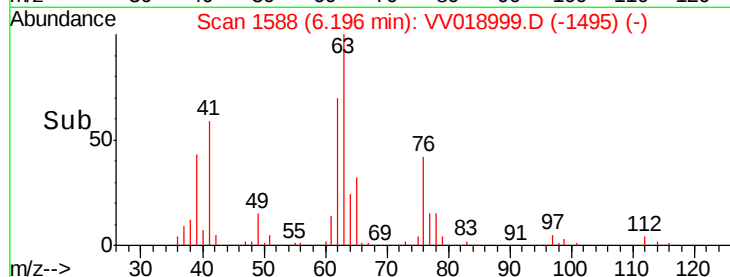
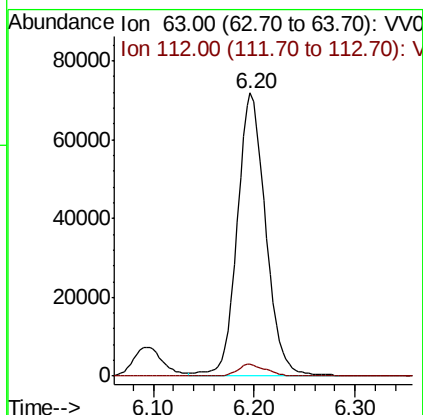
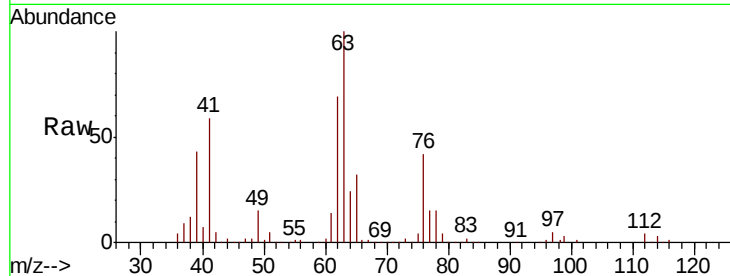




#37
 1,2-Dichloropropane
 Concen: 51.823 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018999.D
 Acq: 20 Oct 2020 05:06

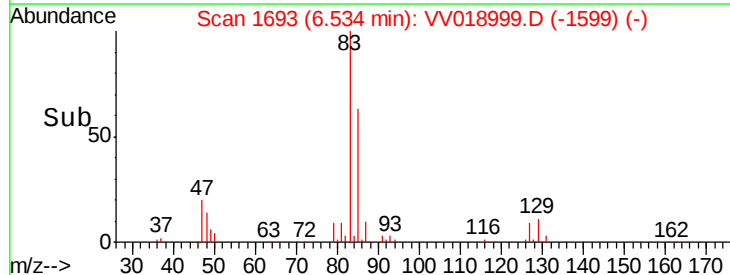
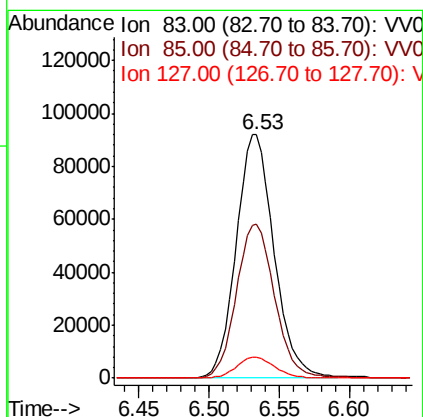
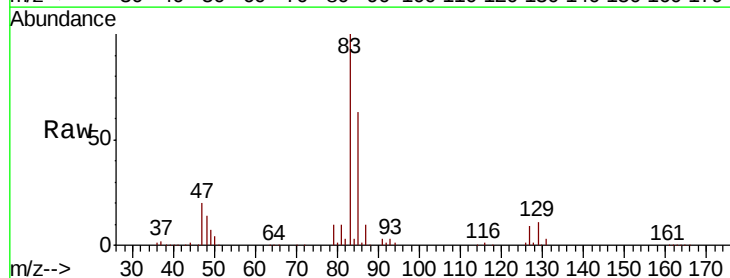
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

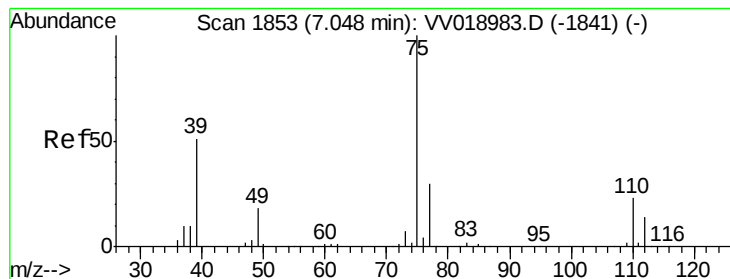
Tot Ion: 63 Resp: 139105
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 50.265 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018999.D
 Acq: 20 Oct 2020 05:06

Tgt Ion: 83 Resp: 172983
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.7 83.1
 127 8.6 6.6 9.8



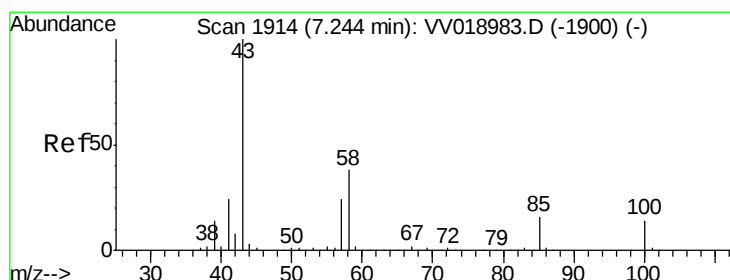
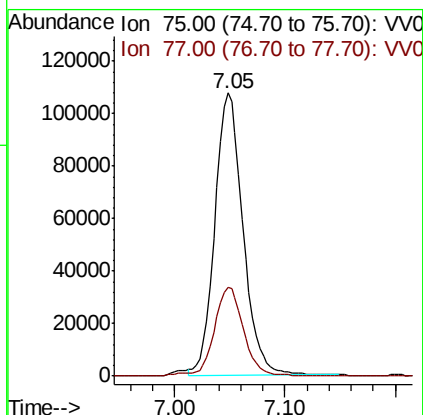
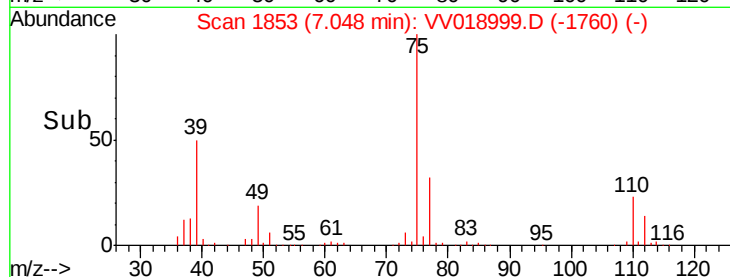
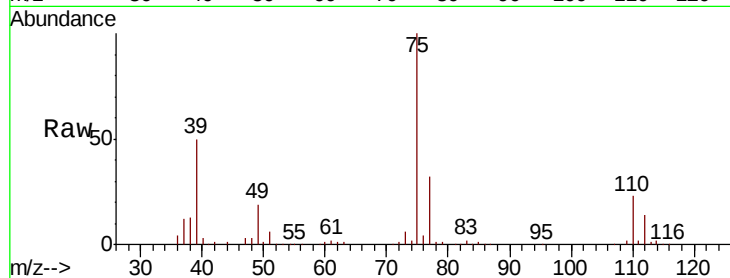


#39

cis-1,3-Dichloropropene
 Concen: 47.261 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018999.D
 Acq: 20 Oct 2020 05:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

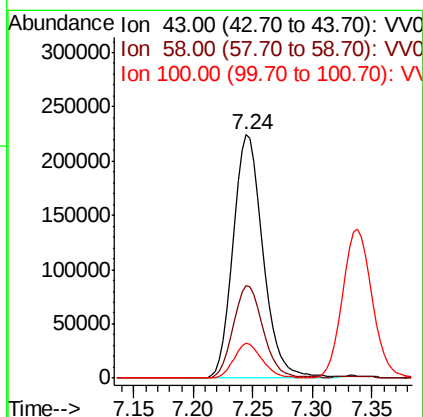
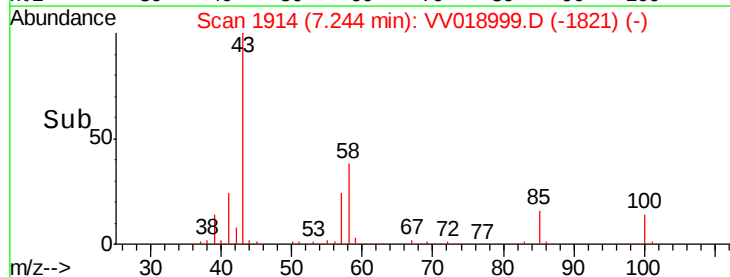
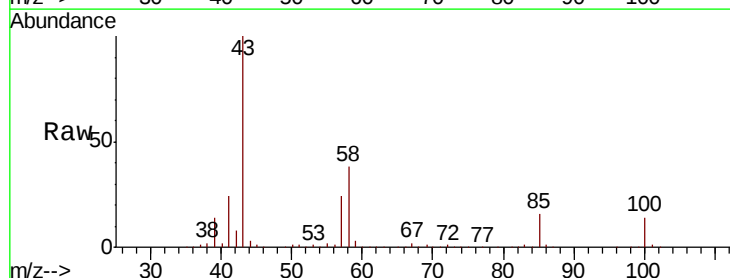
Tot Ion: 75 Resp: 190620
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.5 41.9

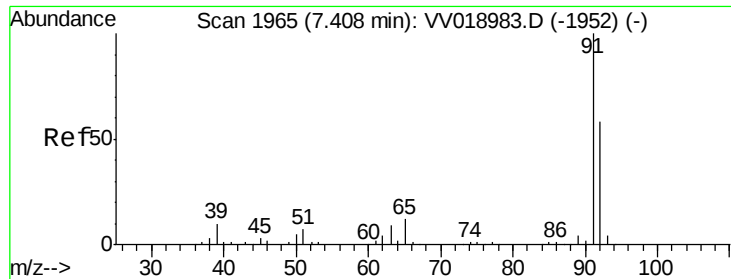


#40

4-Methyl-2-pentanone
 Concen: 105.577 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018999.D
 Acq: 20 Oct 2020 05:06

Tgt Ion: 43 Resp: 390811
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.5 45.7
 100 13.7 11.1 16.7





#42

Toluene

Concen: 51.365 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

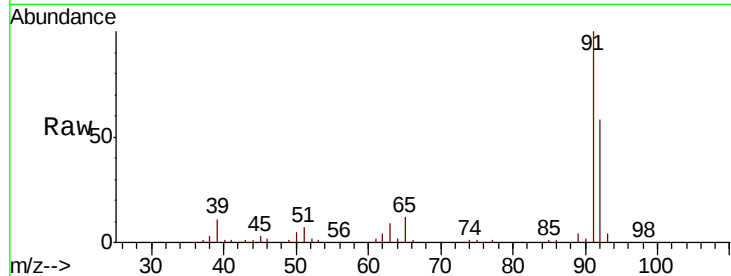
VSTD05096

Tot Ion: 91 Resp: 531944

Ion Ratio Lower Upper

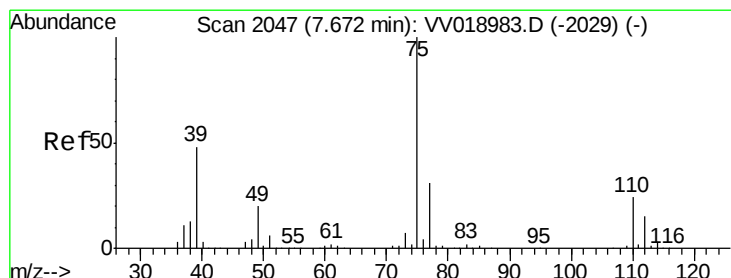
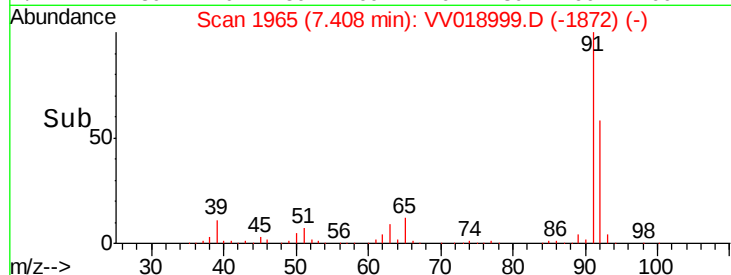
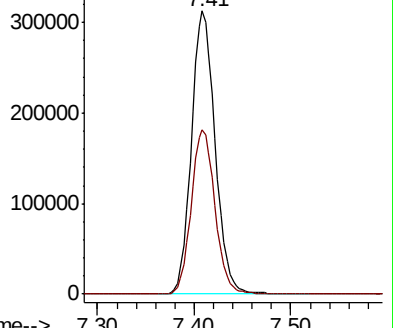
91 100

92 58.2 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VV018983.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV018999.D (-1872) (-)



#44

trans-1,3-Dichloropropene

Concen: 48.754 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018999.D

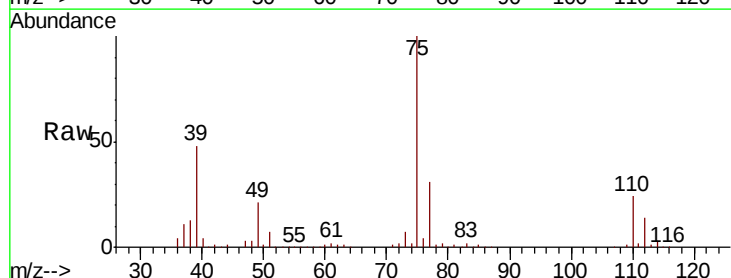
Acq: 20 Oct 2020 05:06

Tgt Ion: 75 Resp: 190556

Ion Ratio Lower Upper

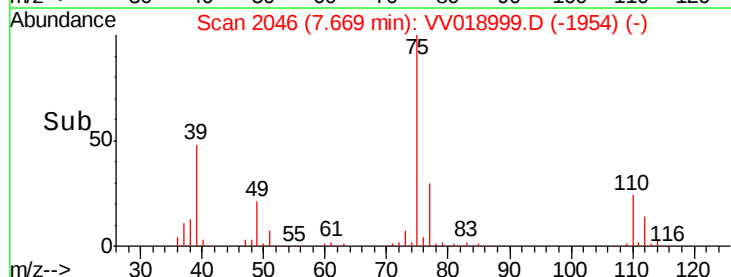
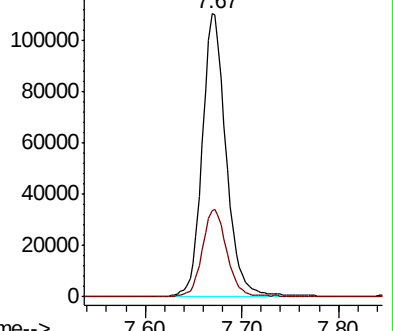
75 100

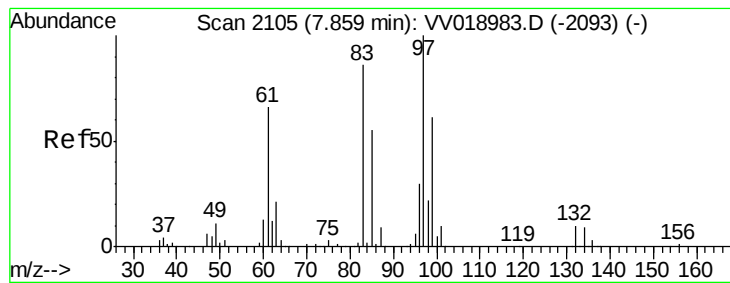
77 30.6 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV018983.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV018999.D (-1954) (-)





#45

1,1,2-Trichloroethane

Concen: 48.219 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

Tot Ion: 97 Resp: 120393

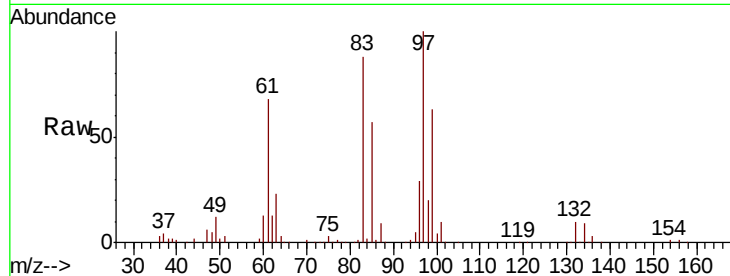
Ion Ratio Lower Upper

97 100

99 63.1 43.8 81.4

83 88.2 61.0 113.4

85 57.0 38.9 72.2

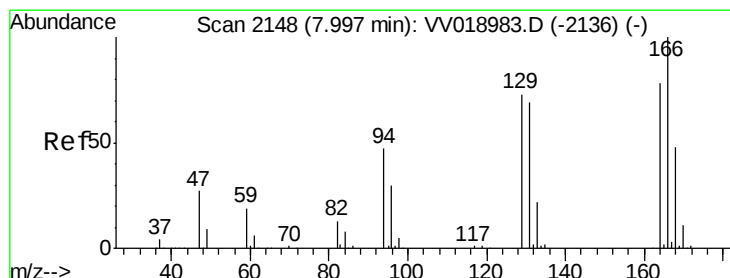
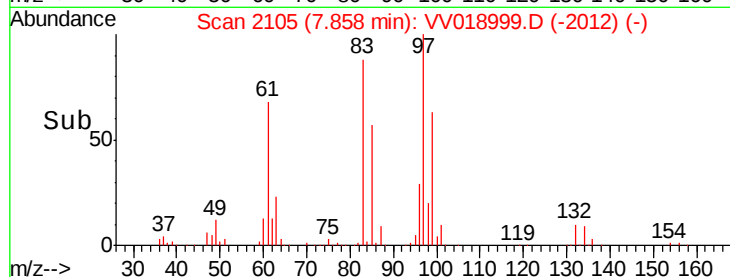
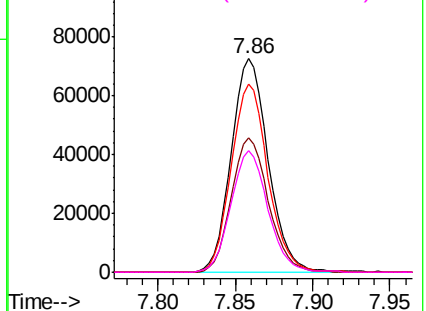


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 47.521 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Tgt Ion: 164 Resp: 96838

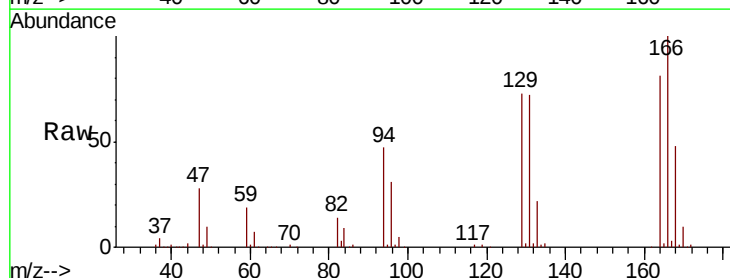
Ion Ratio Lower Upper

164 100

129 90.1 65.0 120.8

131 88.3 62.9 116.7

166 123.2 91.1 169.3

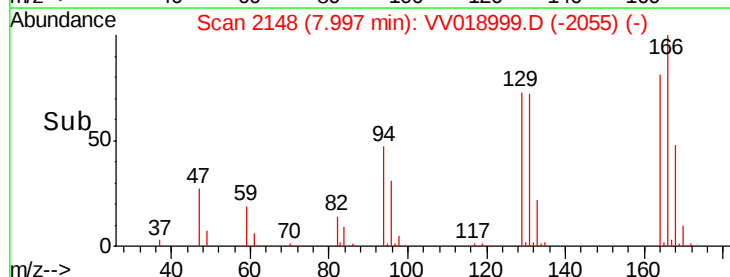
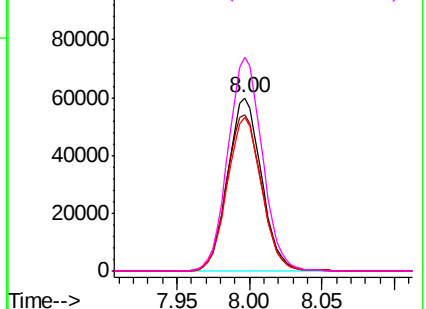


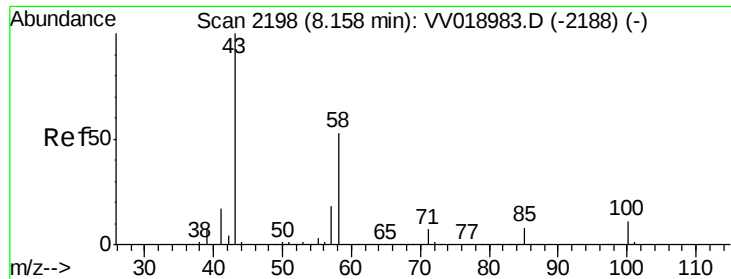
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

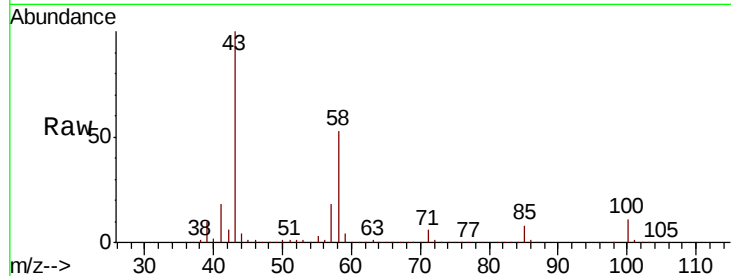




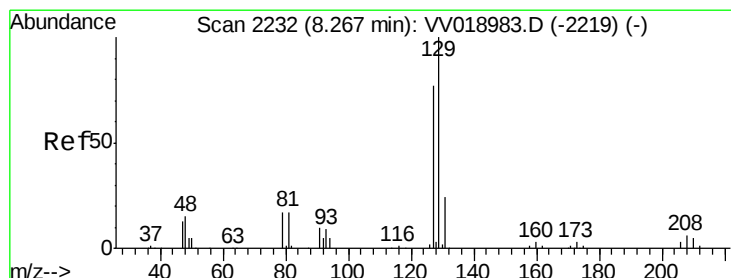
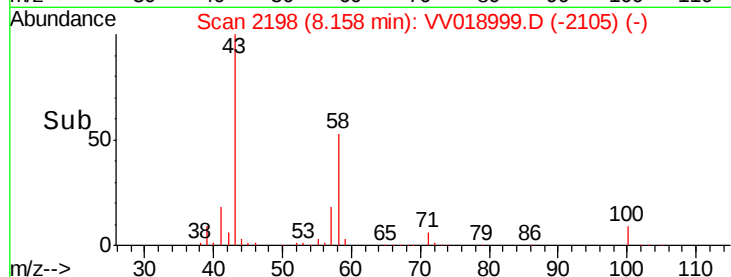
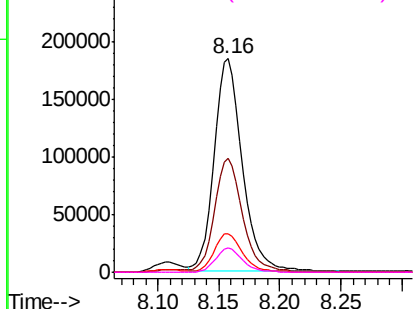
#48
2-Hexanone
Concen: 102.525 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018999.D
Acq: 20 Oct 2020 05:06

Instrument :
MSVOA_V
ClientSampled :
VSTD05096

Tot Ion: 43 Resp: 300911
Ion Ratio Lower Upper
43 100
58 53.4 42.5 63.7
57 18.3 14.5 21.7
100 11.1 9.0 13.4

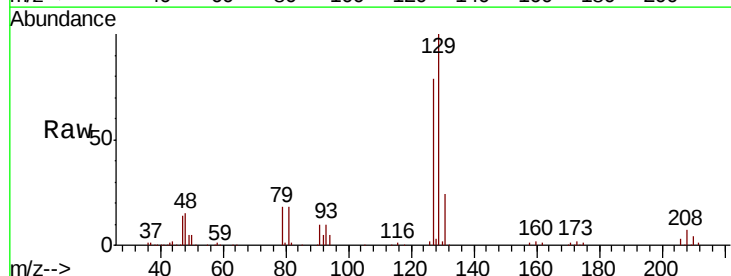


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

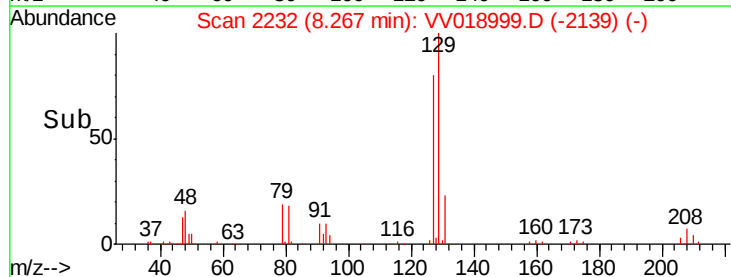
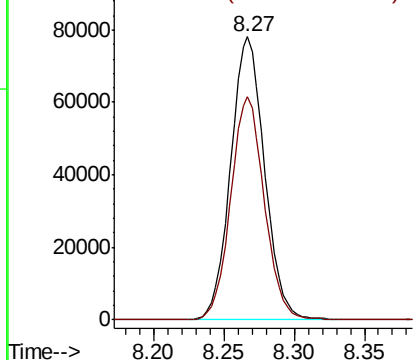


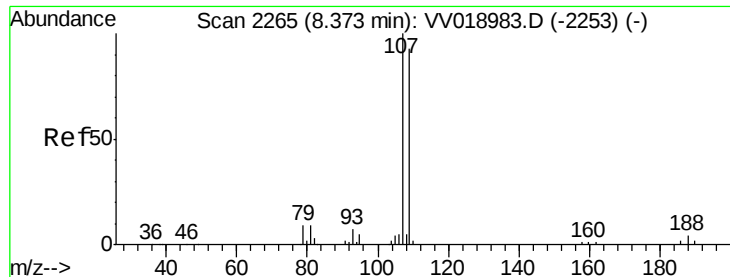
#49
Dibromochloromethane
Concen: 49.688 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018999.D
Acq: 20 Oct 2020 05:06

Tgt Ion: 129 Resp: 131343
Ion Ratio Lower Upper
129 100
127 78.8 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

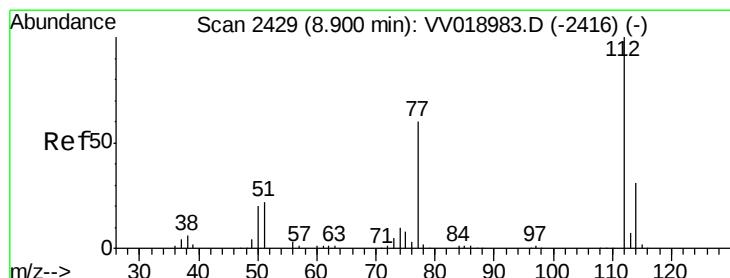
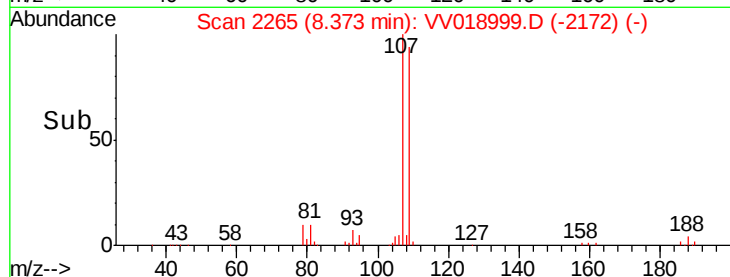
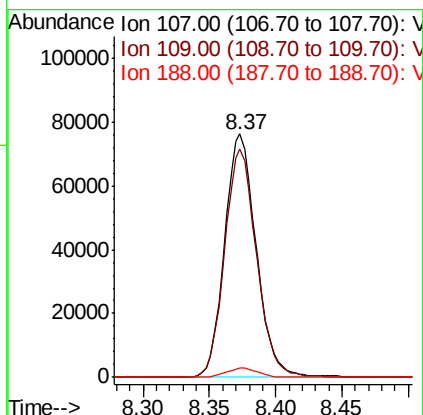
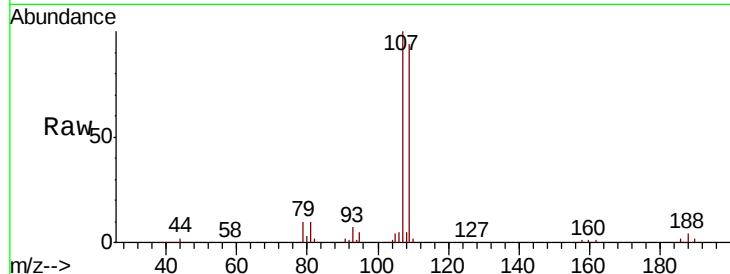




#50
1,2-Dibromoethane
Concen: 48.496 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018999.D
Acq: 20 Oct 2020 05:06

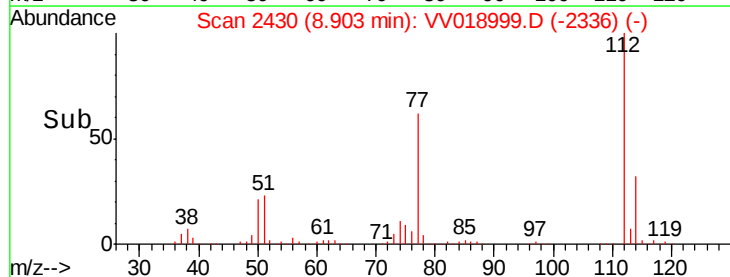
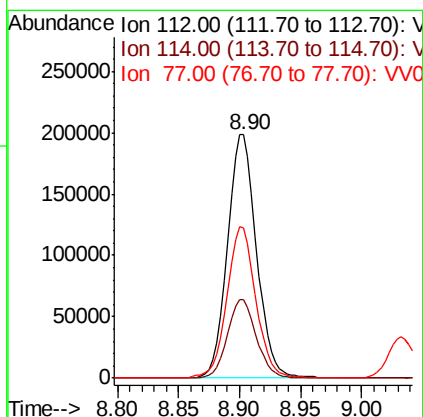
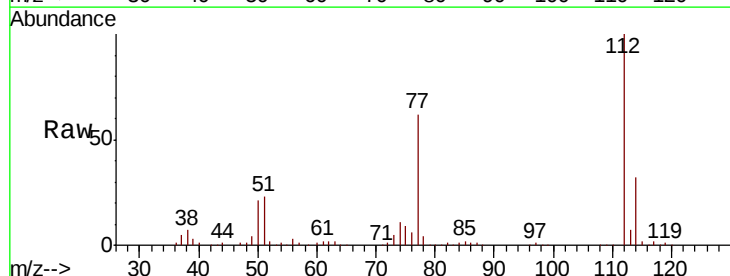
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

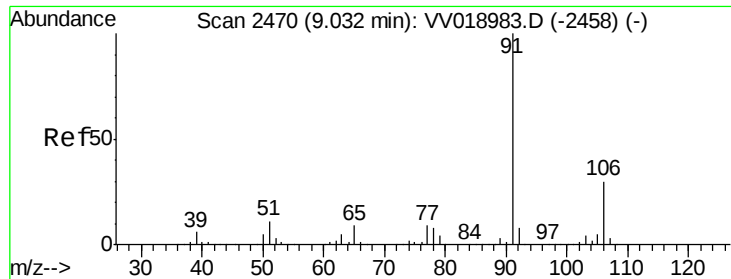
Tot Ion:107 Resp: 126189
Ion Ratio Lower Upper
107 100
109 93.8 65.8 122.2
188 3.8 3.2 4.8



#51
Chlorobenzene
Concen: 48.924 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018999.D
Acq: 20 Oct 2020 05:06

Tgt Ion:112 Resp: 330323
Ion Ratio Lower Upper
112 100
114 32.1 21.8 40.6
77 61.9 49.2 73.8





#52

Ethylbenzene

Concen: 51.151 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

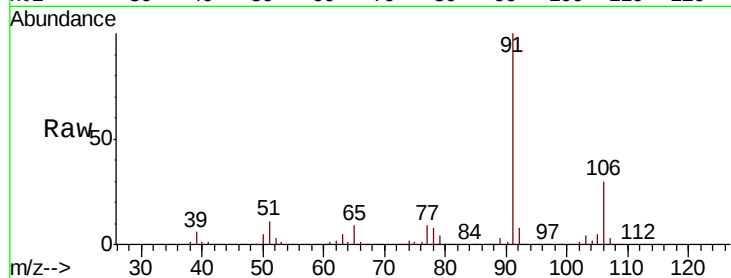
VSTD05096

Tot Ion: 91 Resp: 573444

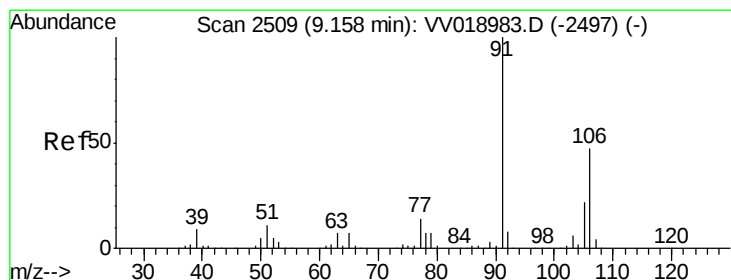
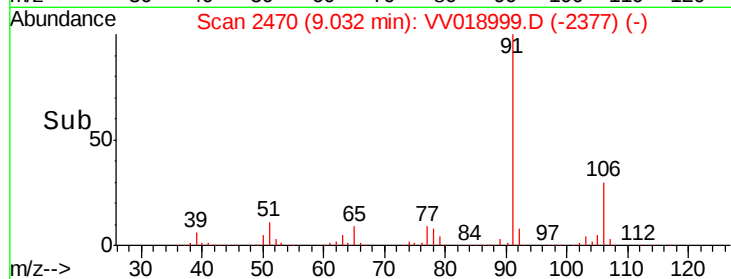
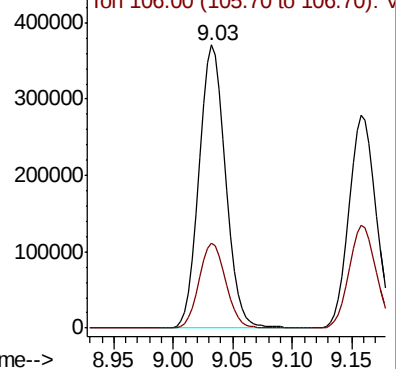
Ion Ratio Lower Upper

91 100

106 30.2 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018999.D (-2377) (-)



#53

m,p-Xylene

Concen: 51.313 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018999.D

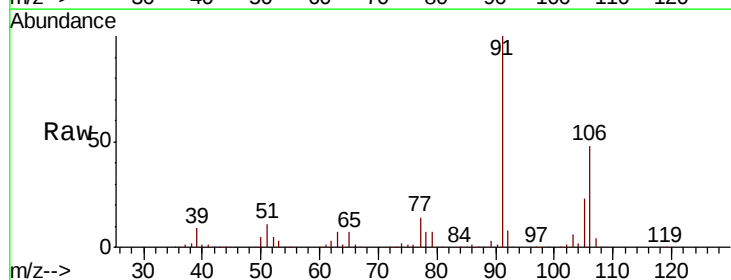
Acq: 20 Oct 2020 05:06

Tgt Ion: 106 Resp: 214317

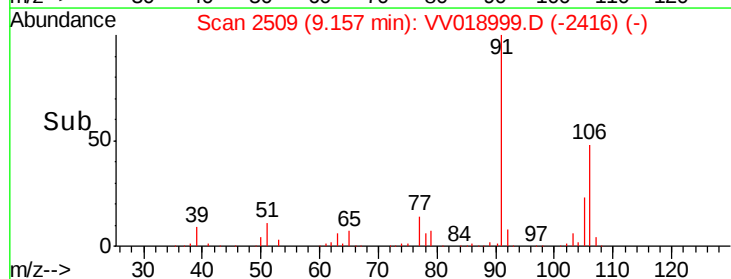
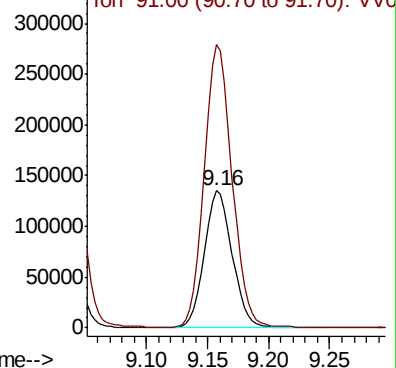
Ion Ratio Lower Upper

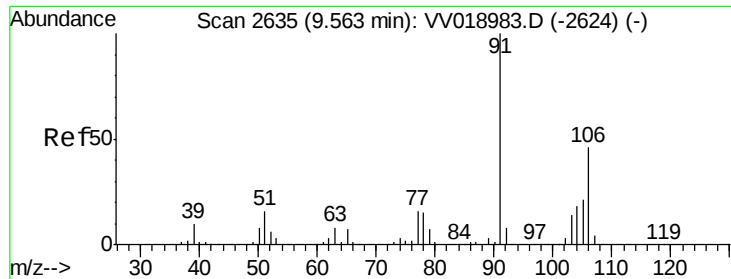
106 100

91 206.8 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VV018999.D (-2416) (-)





#54

o-xylene

Concen: 51.725 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

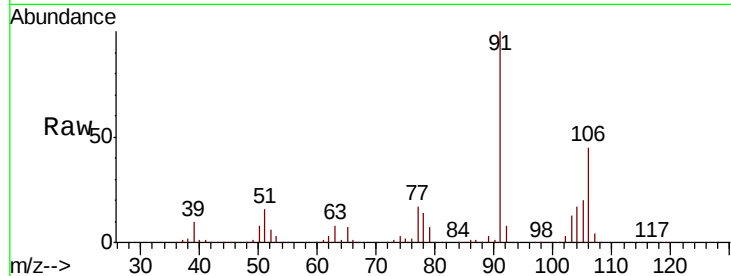
VSTD05096

Tot Ion:106 Resp: 206685

Ion Ratio Lower Upper

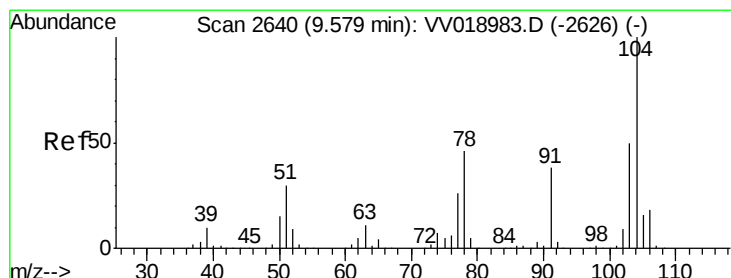
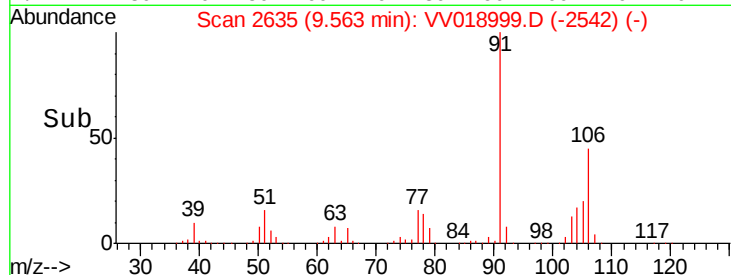
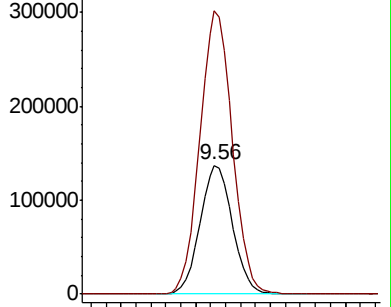
106 100

91 219.9 155.8 289.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.469 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018999.D

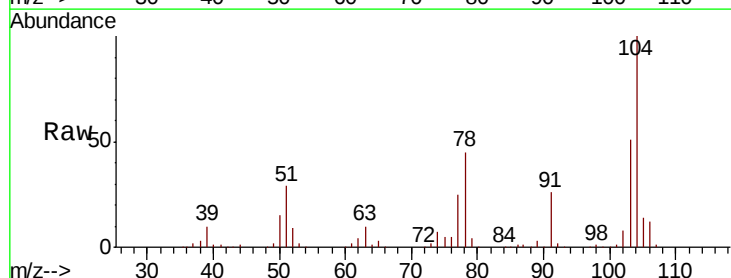
Acq: 20 Oct 2020 05:06

Tgt Ion:104 Resp: 375796

Ion Ratio Lower Upper

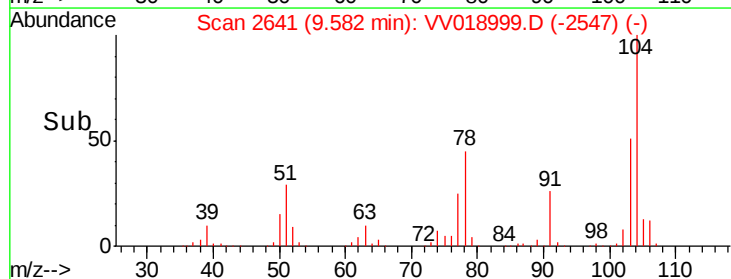
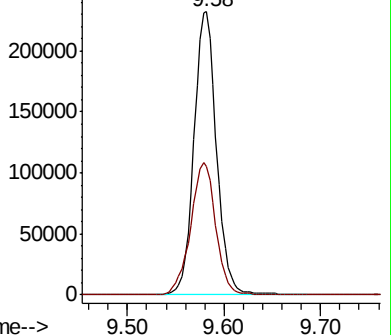
104 100

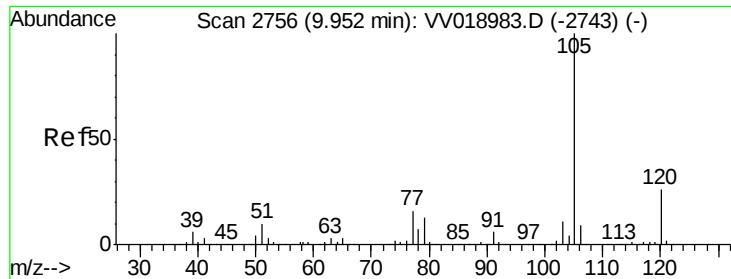
78 45.4 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.422 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

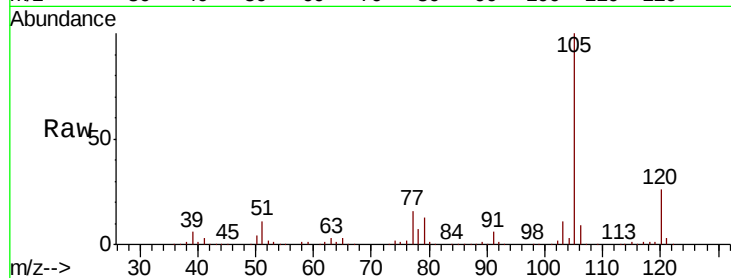
Tot Ion:105 Resp: 549907

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

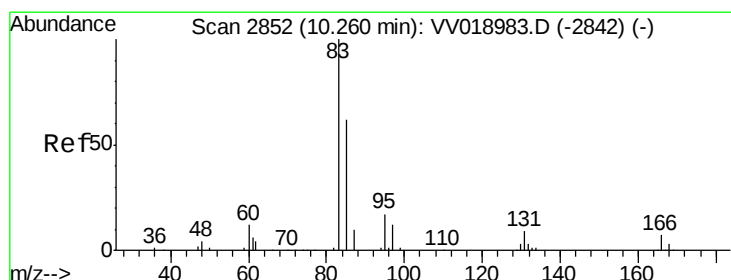
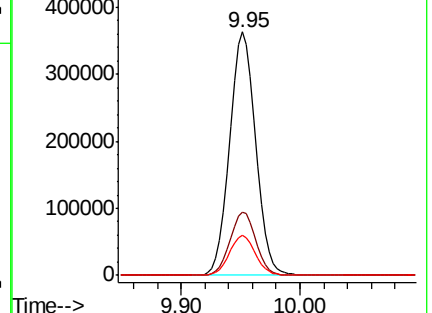
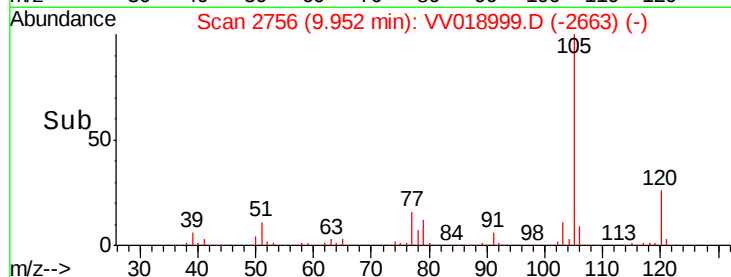
77 16.6 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.139 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

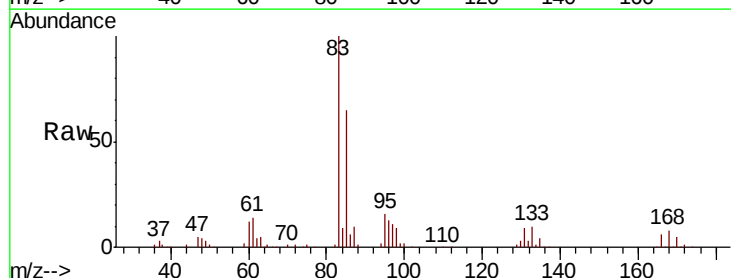
Tgt Ion: 83 Resp: 169985

Ion Ratio Lower Upper

83 100

85 65.0 44.7 82.9

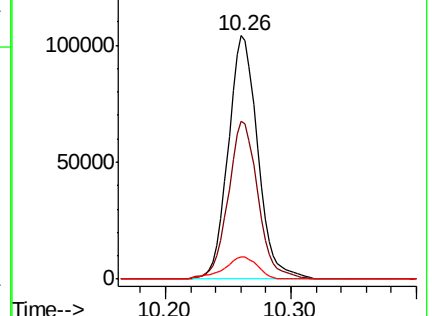
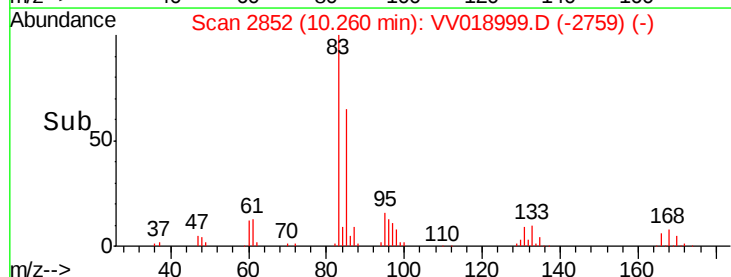
131 9.3 7.7 11.5

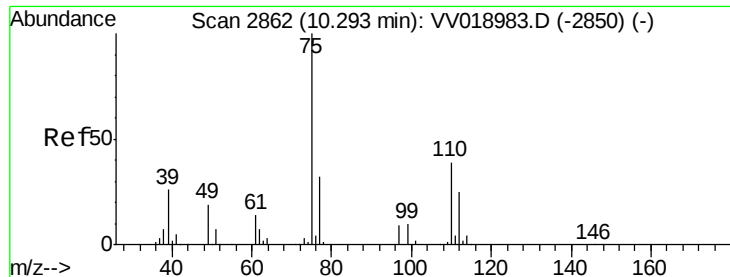


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.218 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

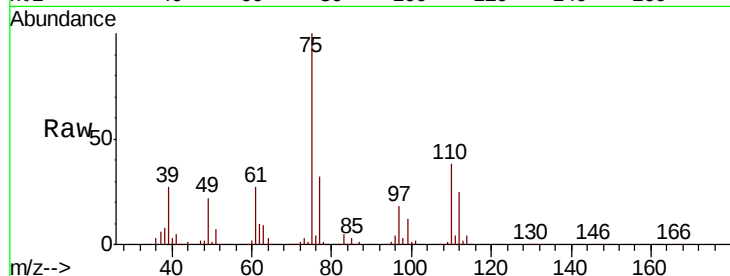
VSTD05096

Tot Ion: 75 Resp: 163164

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV018983.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018983.D (-2850) (-)

10.29

120000

100000

80000

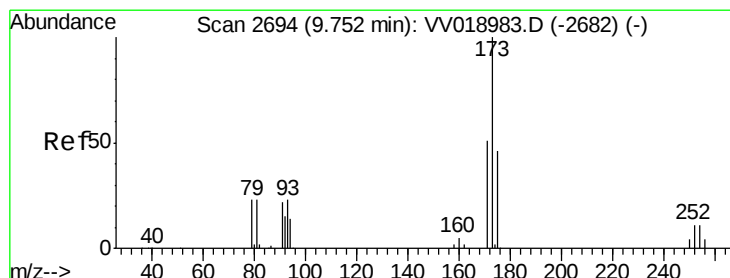
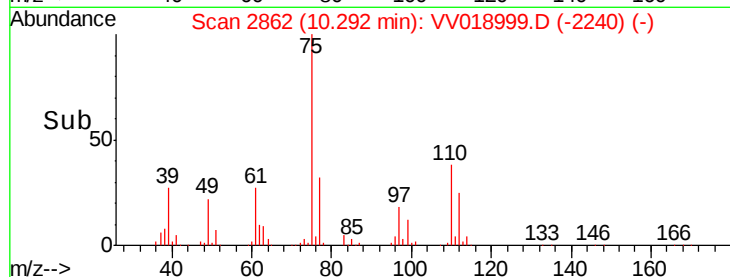
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 48.816 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

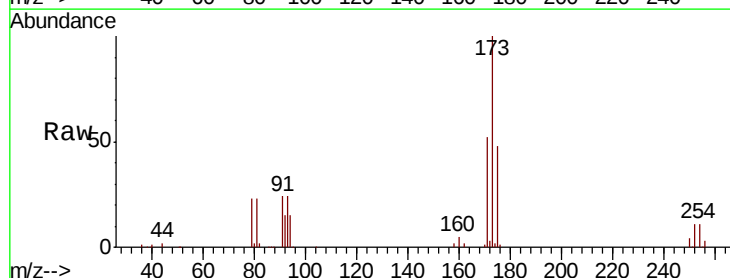
Tgt Ion: 173 Resp: 94331

Ion Ratio Lower Upper

173 100

175 48.9 38.2 57.2

254 10.7 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): VV018983.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018983.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018983.D (-2682) (-)

9.75

80000

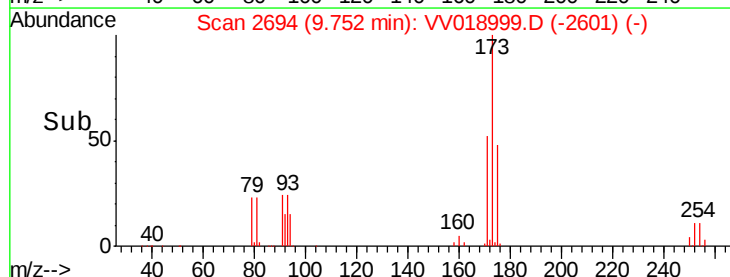
60000

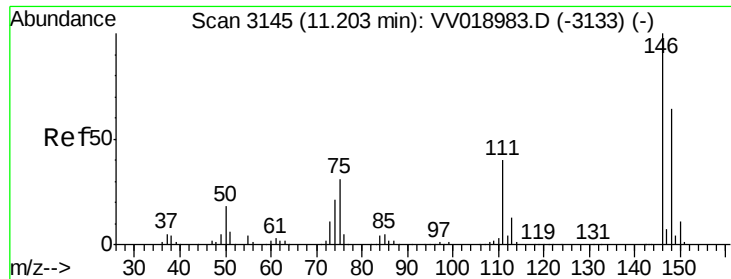
40000

20000

0

Time--> 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 48.860 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

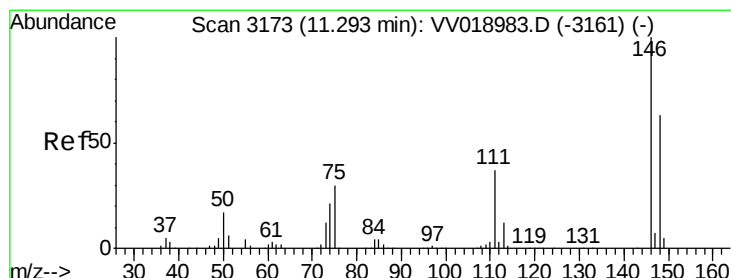
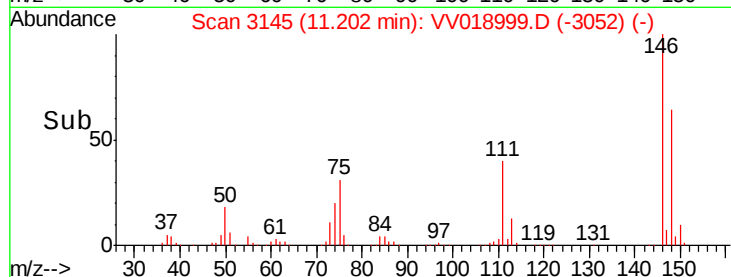
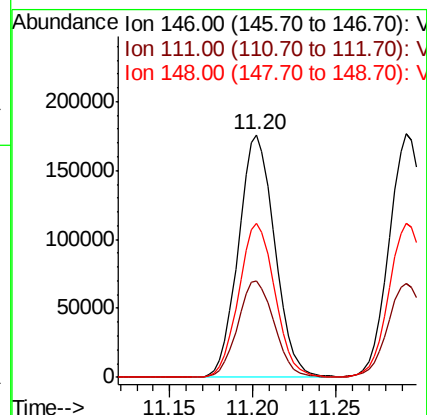
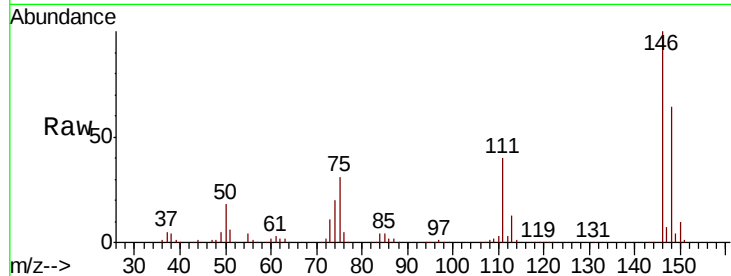
Tot Ion:146 Resp: 267940

Ion Ratio Lower Upper

146 100

111 39.7 28.3 52.7

148 63.7 45.1 83.7



#63

1,4-Dichlorobenzene

Concen: 47.384 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

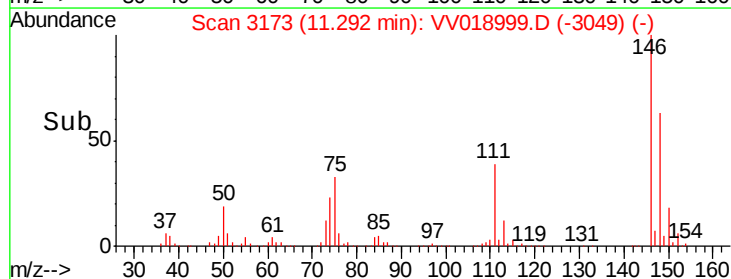
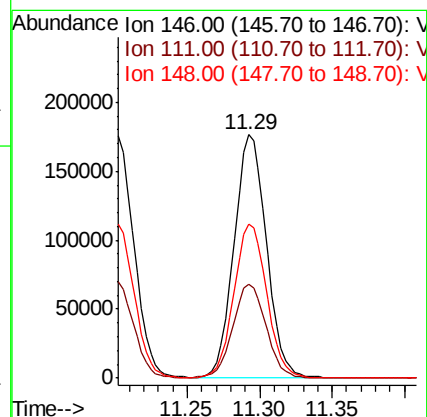
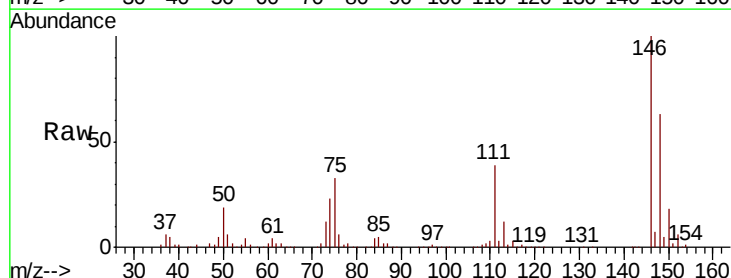
Tgt Ion:146 Resp: 273193

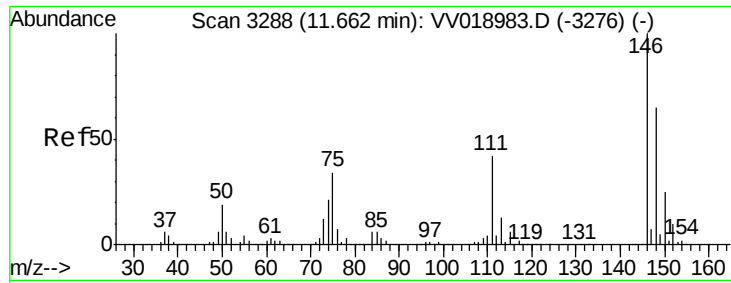
Ion Ratio Lower Upper

146 100

111 38.6 27.5 51.1

148 63.1 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 48.015 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

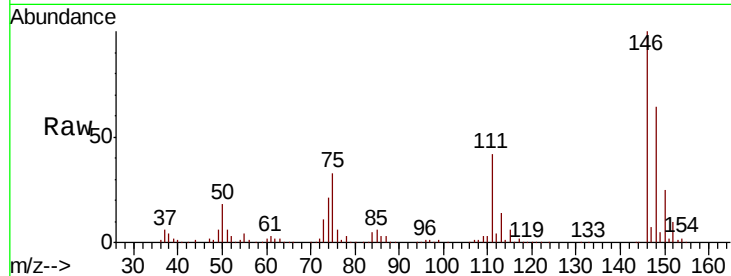
Tot Ion:146 Resp: 265659

Ion Ratio Lower Upper

146 100

111 42.4 33.9 50.9

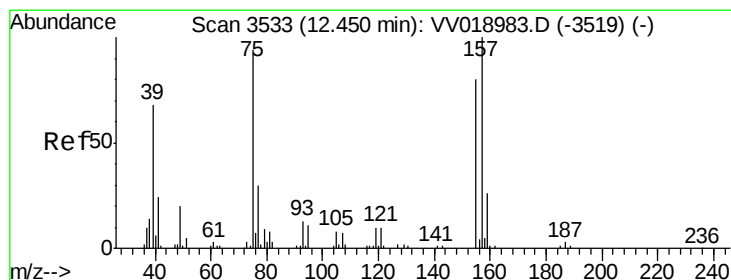
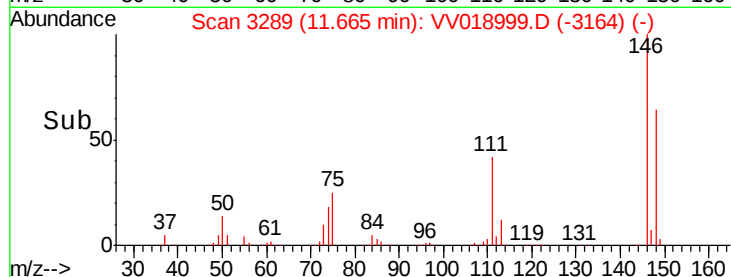
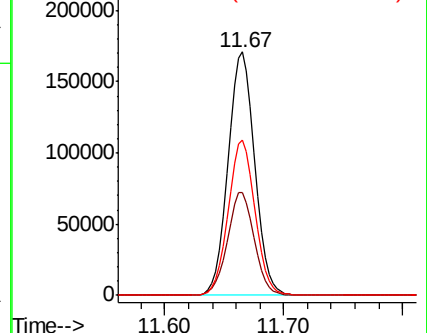
148 63.9 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 46.374 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

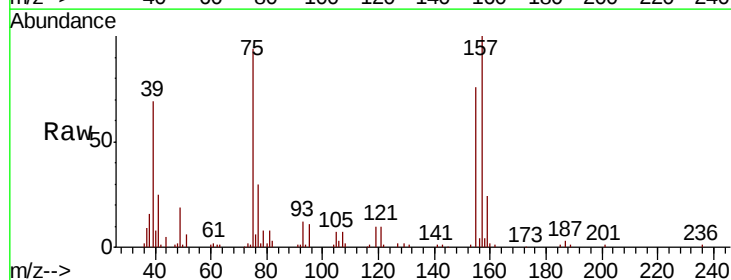
Tgt Ion: 75 Resp: 38236

Ion Ratio Lower Upper

75 100

155 80.6 65.7 98.5

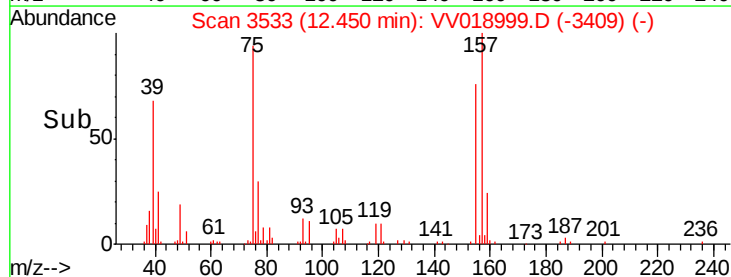
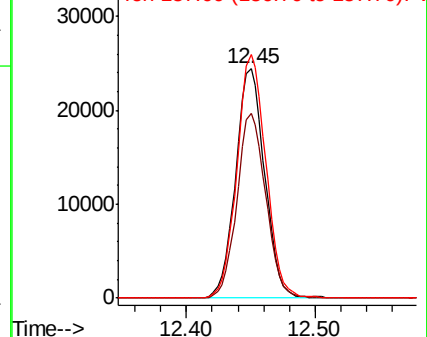
157 106.1 83.0 124.4

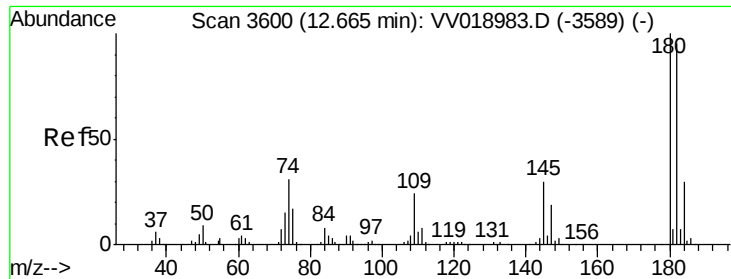


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

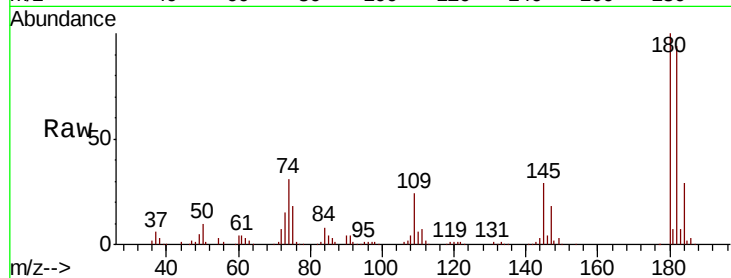




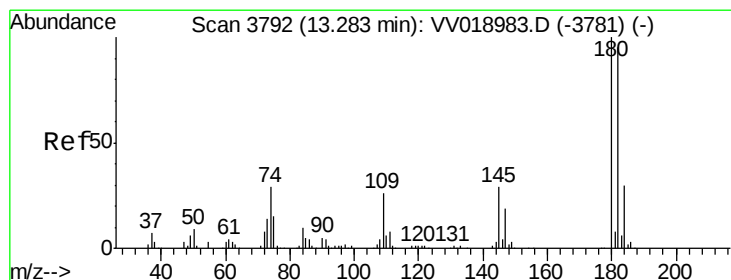
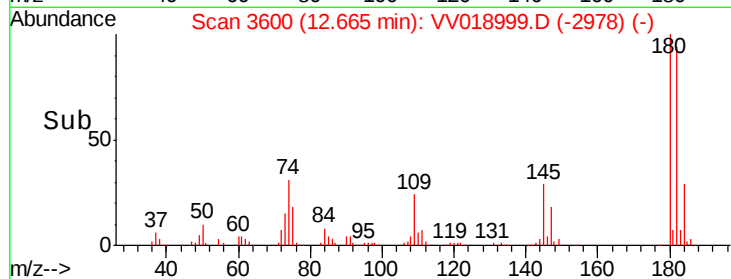
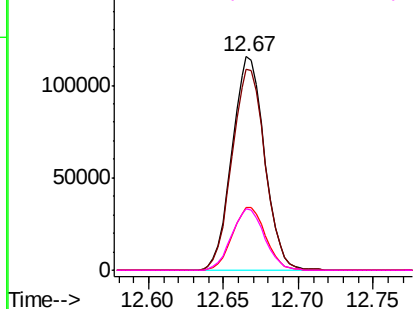
#67
 1,3,5-Trichlorobenzene
 Concen: 47.462 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018999.D
 Acq: 20 Oct 2020 05:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

Tot Ion:180	Resp:	174839
Ion	Ratio	Lower Upper
180	100	
182	95.6	75.8 113.8
184	30.0	24.9 37.3
145	29.1	23.2 34.8

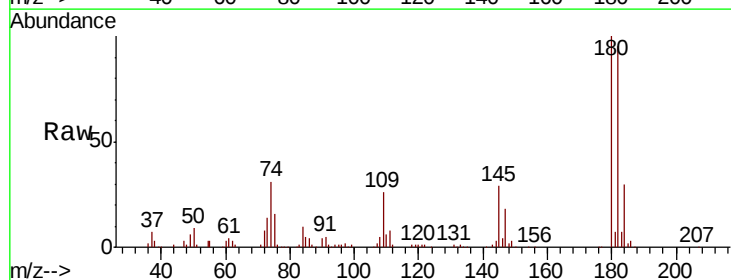


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

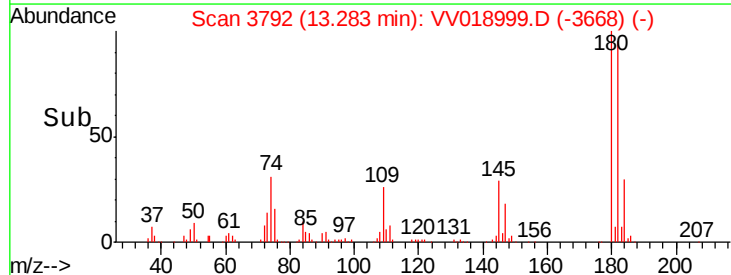
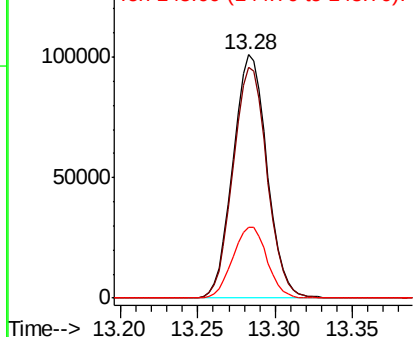


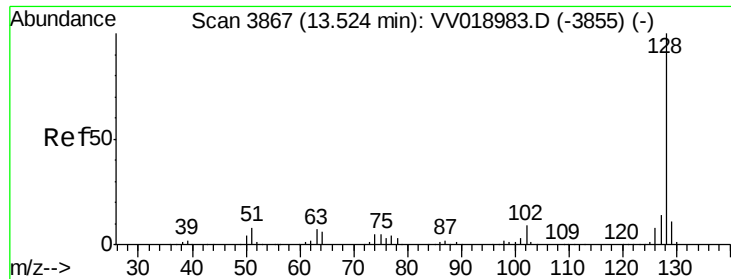
#68
 1,2,4-trichlorobenzene
 Concen: 45.404 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018999.D
 Acq: 20 Oct 2020 05:06

Tgt Ion:180	Resp:	154121
Ion	Ratio	Lower Upper
180	100	
182	95.4	76.5 114.7
145	29.4	23.7 35.5



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 48.615 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Instrument :

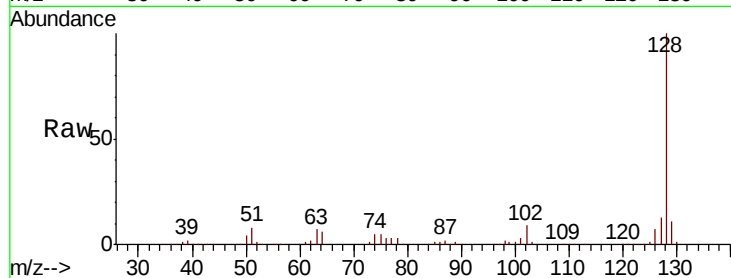
MSVOA_V

ClientSampleId :

VSTD05096

Tot Ion:128 Resp: 468318

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	10.9	8.9	13.3

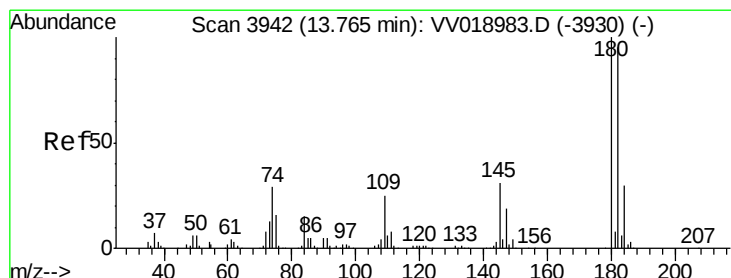
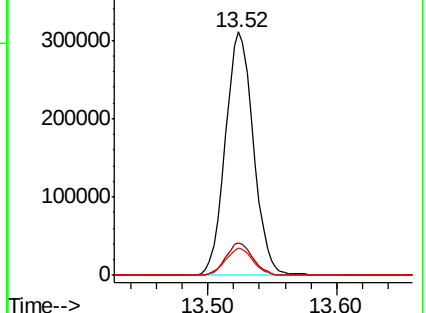
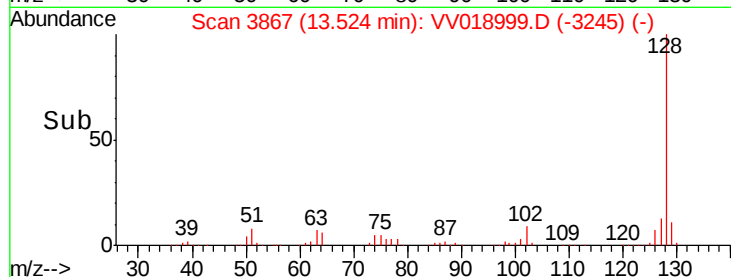


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.730 ug/L

RT: 13.77 min Scan# 3942

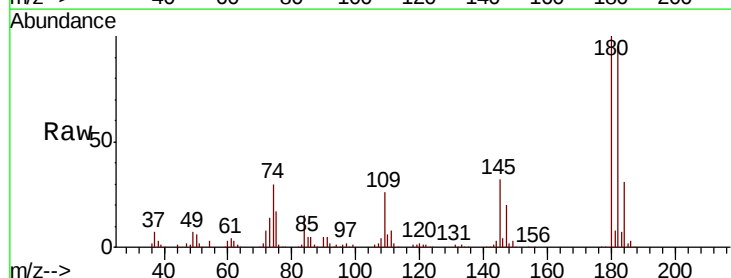
Delta R.T. -0.00 min

Lab File: VV018999.D

Acq: 20 Oct 2020 05:06

Tgt Ion:180 Resp: 161950

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.8	115.2
145	31.5	25.4	38.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

