

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060920\
 Data File : VV016759.D
 Acq On : 10 Jun 2020 10:45
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Quant Time: Jun 10 14:14:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 11:40:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	378331	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	361617	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	194283	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	87255	32.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.36%
7) Chloroethane-d5	1.56	69	69731	43.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.06%
11) 1,1-Dichloroethene-d2	2.12	63	173014	38.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.18%
21) 2-Butanone-d5	3.89	46	195971	99.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.18%
24) Chloroform-d	4.37	84	242261	44.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.26%
26) 1,2-Dichloroethane-d4	5.05	65	167630	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.80%
32) Benzene-d6	5.07	84	442132	42.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.82%
36) 1,2-Dichloropropane-d6	6.09	67	143125	44.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.10%
41) Toluene-d8	7.33	98	404360	42.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.54%
43) trans-1,3-Dichloropropene-	7.64	79	75207	44.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.88%
47) 2-Hexanone-d5	8.11	63	146718	103.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.57%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	205628	47.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	187640	45.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.52%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	133028	44.35	ug/L	98
3) Chloromethane	1.25	50	128856	46.98	ug/L	97
5) Vinyl chloride	1.32	62	114244	42.35	ug/L	99
6) Bromomethane	1.51	94	46025	40.97	ug/L	99
8) Chloroethane	1.58	64	64806	48.64	ug/L	96
9) Trichlorofluoromethane	1.76	101	178393	44.19	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	86847	43.18	ug/L	99
12) 1,1-Dichloroethene	2.13	96	80505	42.87	ug/L	95
13) Acetone	2.17	43	112409	86.35	ug/L	97
14) Carbon disulfide	2.30	76	293885	43.23	ug/L	100
15) Methyl Acetate	2.44	43	131411	45.29	ug/L	100
16) Methylene chloride	2.52	84	120100	43.59	ug/L	99
17) trans-1,2-Dichloroethene	2.77	96	110319	43.09	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	380737	44.88	ug/L	100
19) 1,1-Dichloroethane	3.21	63	212475	44.09	ug/L	97
20) cis-1,2-Dichloroethene	3.93	96	122975	44.06	ug/L	98
22) 2-Butanone	3.98	43	185532	92.42	ug/L	99

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 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 11:40:53 2020
 Response via : Initial Calibration

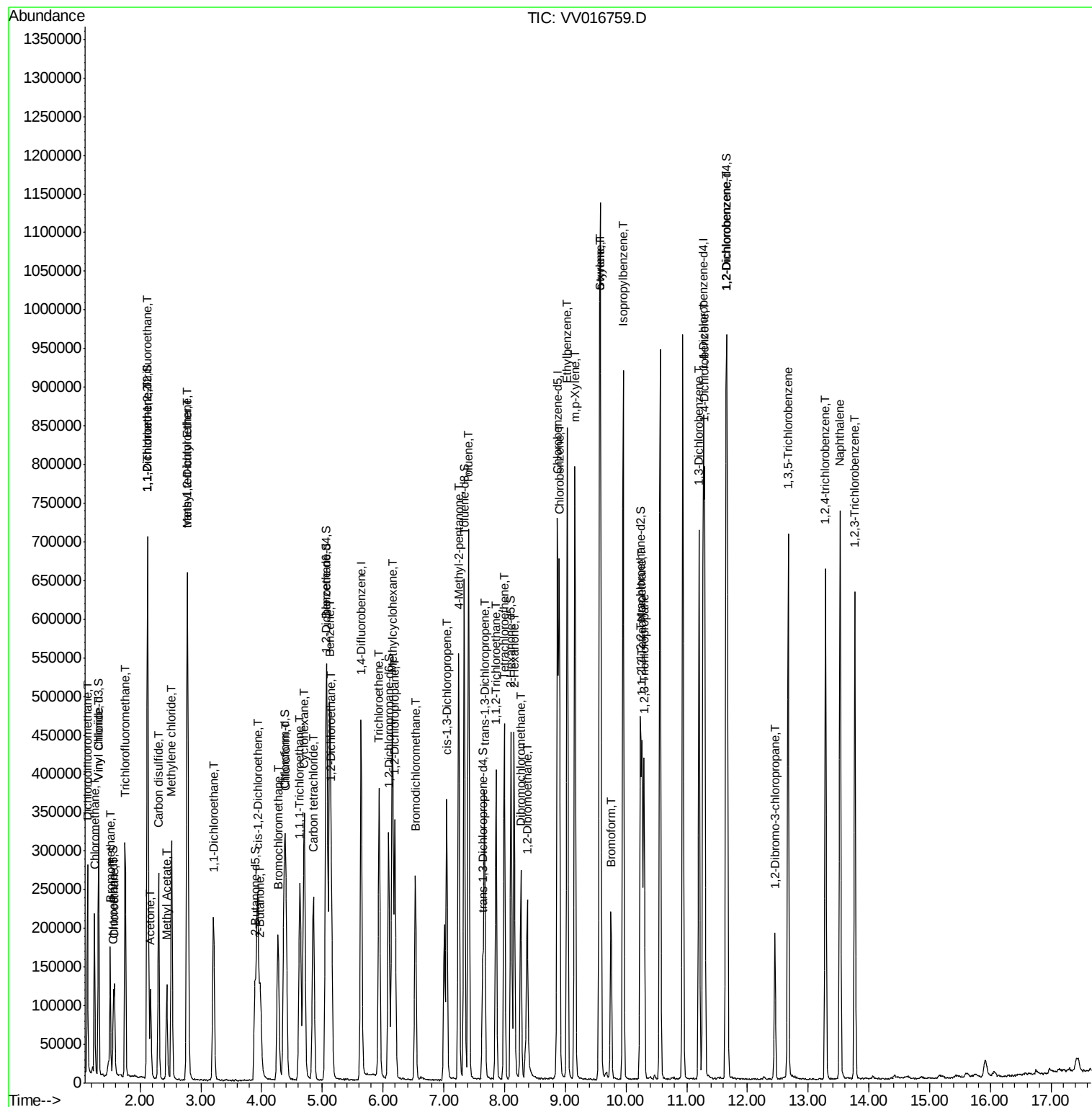
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	64497	43.87	ug/L	98
25) Chloroform	4.40	83	222635	44.95	ug/L	98
27) 1,2-Dichloroethane	5.15	62	190445	45.87	ug/L	97
29) Cyclohexane	4.70	56	187777	41.79	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	205311	44.52	ug/L	99
31) Carbon tetrachloride	4.85	117	176058	44.13	ug/L	100
33) Benzene	5.12	78	458318	42.84	ug/L	100
34) Trichloroethene	5.94	95	123142	42.91	ug/L	98
35) Methylcyclohexane	6.15	83	190444	42.31	ug/L	99
37) 1,2-Dichloropropane	6.20	63	120992	43.48	ug/L	100
38) Bromodichloromethane	6.53	83	167807	45.31	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	197317	45.65	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	356737	90.48	ug/L	99
42) Toluene	7.41	91	489196	43.37	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	192696	45.86	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	117429	43.74	ug/L	97
46) Tetrachloroethene	8.00	164	97668	43.28	ug/L	98
48) 2-Hexanone	8.16	43	279355	91.38	ug/L	98
49) Dibromochloromethane	8.27	129	129748	45.21	ug/L	99
50) 1,2-Dibromoethane	8.37	107	125254	44.56	ug/L	98
51) Chlorobenzene	8.90	112	324862	44.15	ug/L	99
52) Ethylbenzene	9.03	91	563243	45.08	ug/L	99
53) m,p-Xylene	9.16	106	212081	45.59	ug/L	99
54) o-xylene	9.56	106	208377	45.42	ug/L	100
55) Styrene	9.58	104	357944	46.15	ug/L	98
56) Isopropylbenzene	9.95	105	564879	45.83	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	186941	45.42	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	155939	45.17	ug/L	99
61) Bromoform	9.75	173	90777	45.43	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	269719	43.83	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	273337	43.66	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	275261	44.64	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	44496	45.89	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	202707	44.18	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	184892	43.93	ug/L	99
69) Naphthalene	13.52	128	550681	45.49	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	178291	43.29	ug/L	99

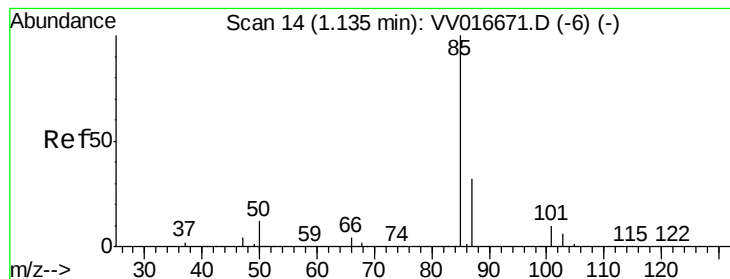
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.35 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

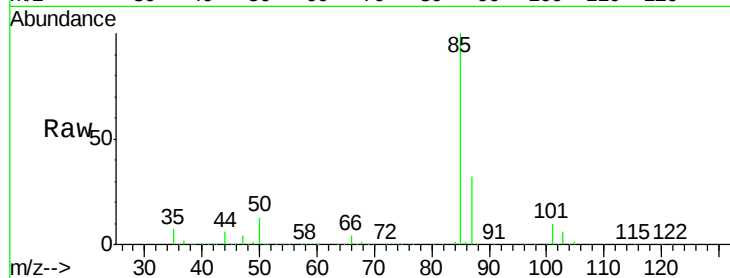
VSTD05078

Tgt Ion: 85 Resp: 133028

Ion Ratio Lower Upper

85 100

87 33.1 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016671.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV016671.D (-6) (-)

1.13

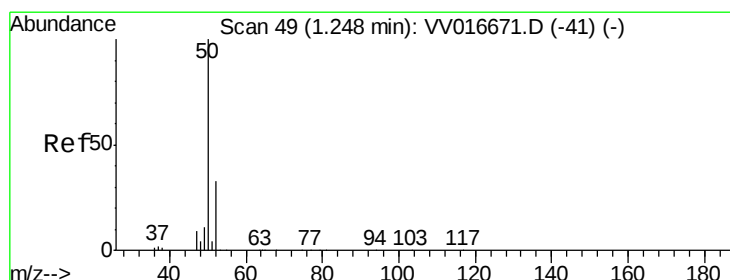
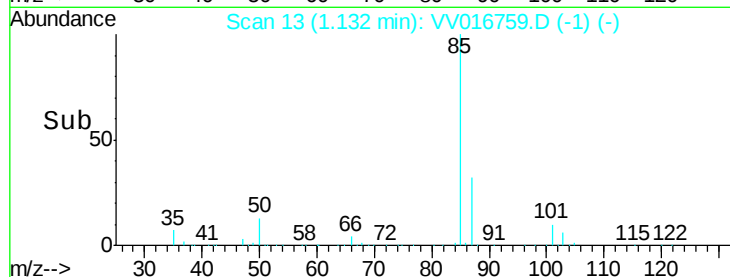
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.98 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016759.D

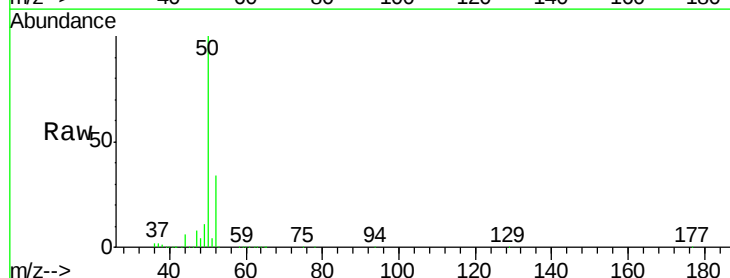
Acq: 10 Jun 2020 10:45

Tgt Ion: 50 Resp: 128856

Ion Ratio Lower Upper

50 100

52 33.6 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016671.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV016671.D (-41) (-)

1.25

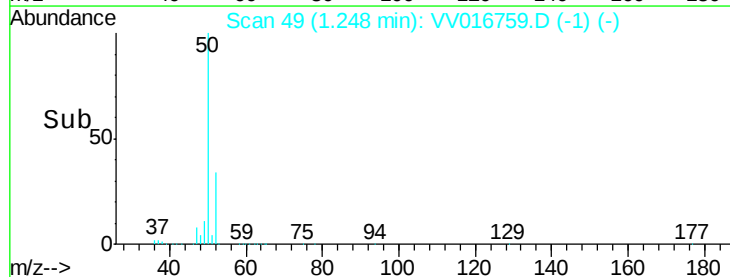
150000

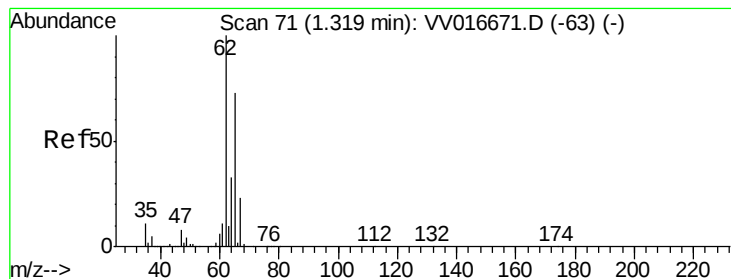
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 42.35 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

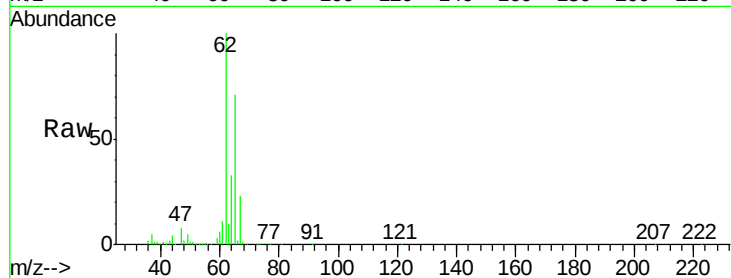
VSTD05078

Tgt Ion: 62 Resp: 114244

Ion Ratio Lower Upper

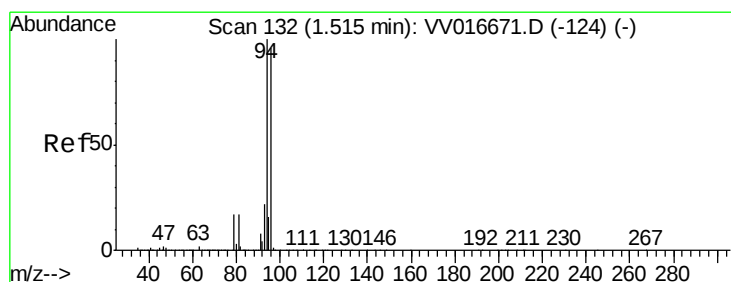
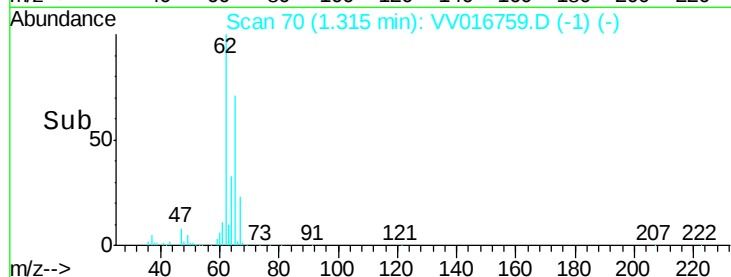
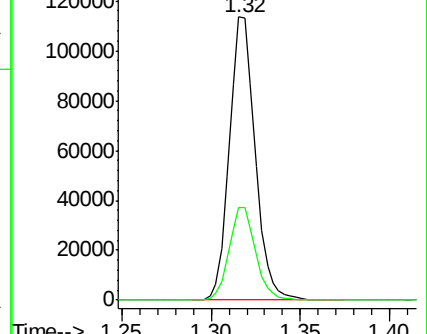
62 100

64 32.7 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 40.97 ug/L

RT: 1.51 min Scan# 130

Delta R.T. 0.00 min

Lab File: VV016759.D

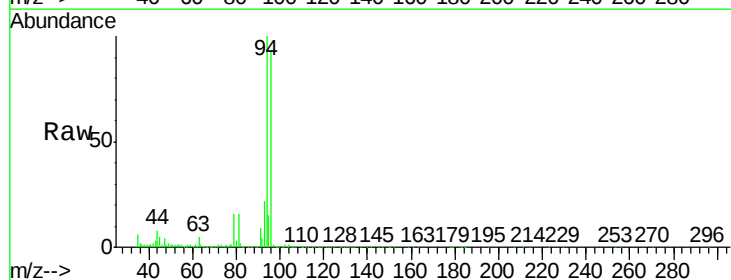
Acq: 10 Jun 2020 10:45

Tgt Ion: 94 Resp: 46025

Ion Ratio Lower Upper

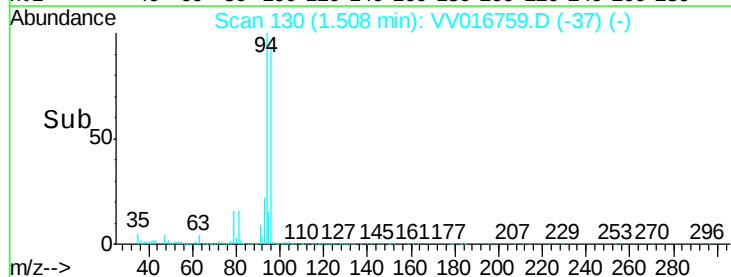
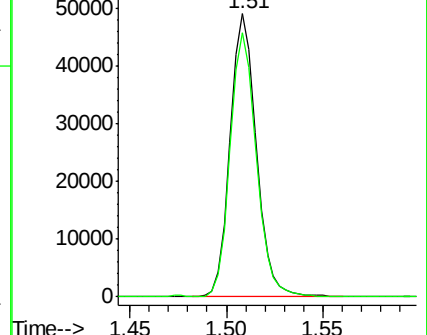
94 100

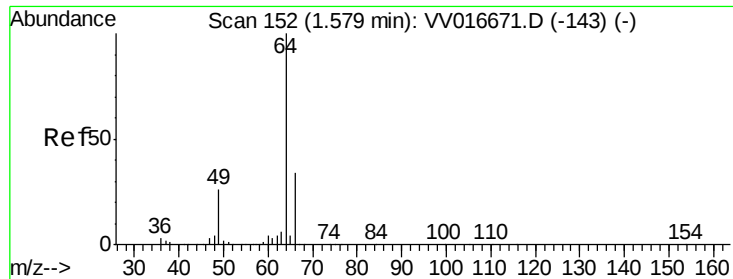
96 93.1 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 48.64 ug/L

RT: 1.58 min Scan# 152

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

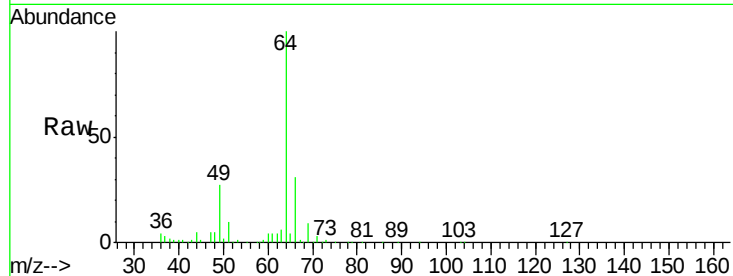
VSTD05078

Tgt Ion: 64 Resp: 64806

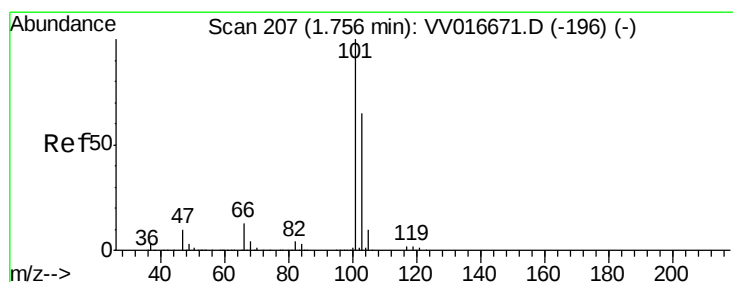
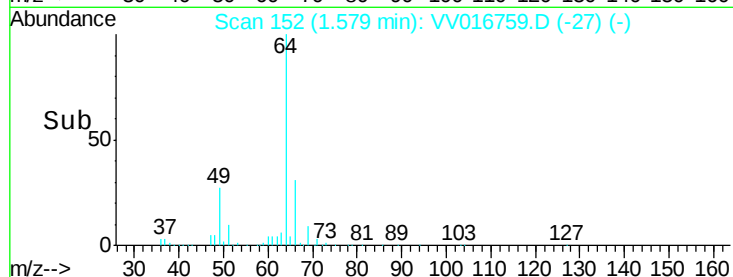
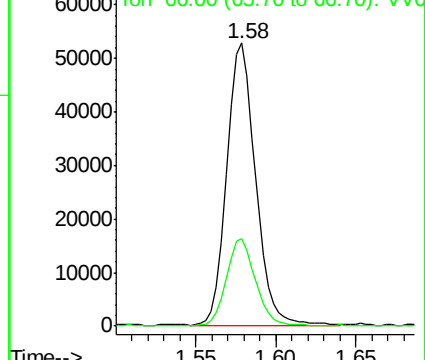
Ion Ratio Lower Upper

64 100

66 30.7 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV016671.D (-143) (-)



#9

Trichlorofluoromethane

Concen: 44.19 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV016759.D

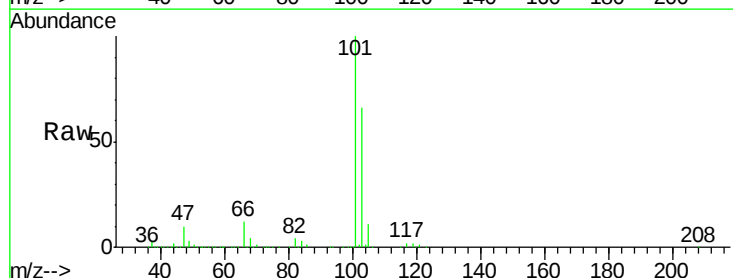
Acq: 10 Jun 2020 10:45

Tgt Ion: 101 Resp: 178393

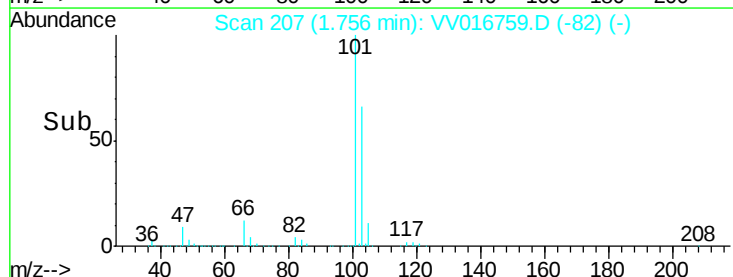
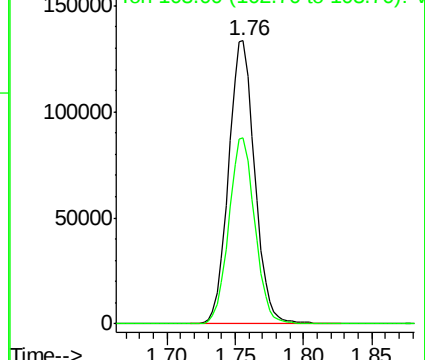
Ion Ratio Lower Upper

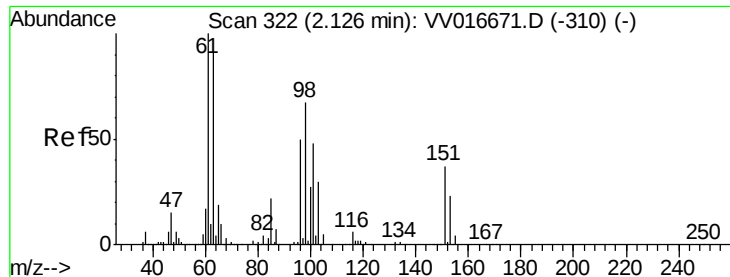
101 100

103 65.4 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV016671.D (-196) (-)





#10

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

Concen: 43.18 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

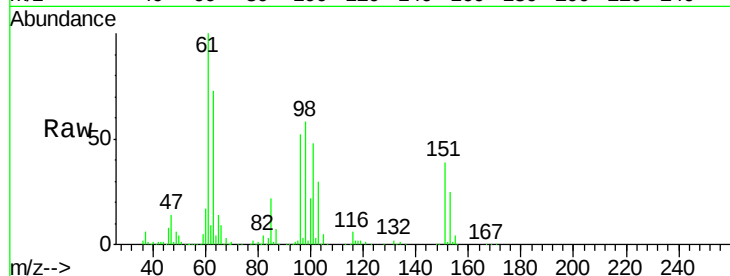
Tgt Ion:101 Resp: 86847

Ion Ratio Lower Upper

101 100

85 45.8 35.5 53.3

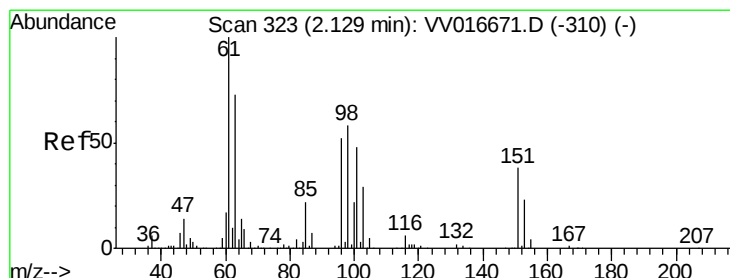
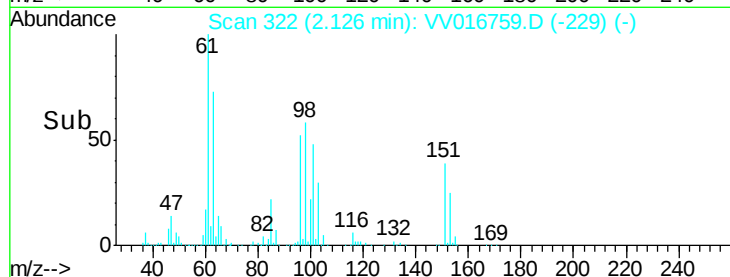
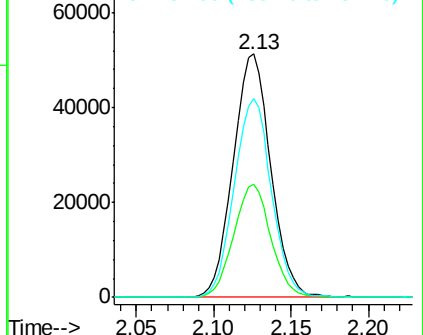
151 80.7 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 42.87 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

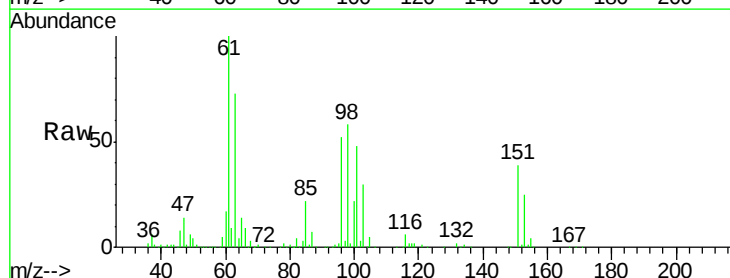
Tgt Ion: 96 Resp: 80505

Ion Ratio Lower Upper

96 100

61 193.1 130.4 242.2

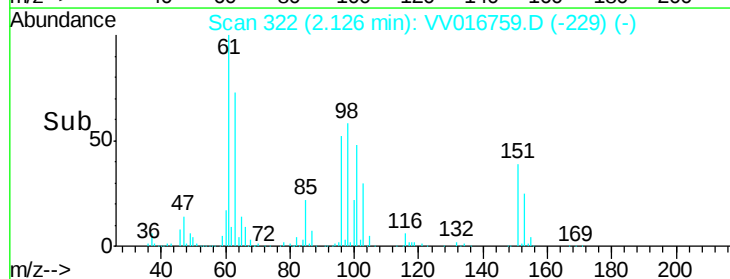
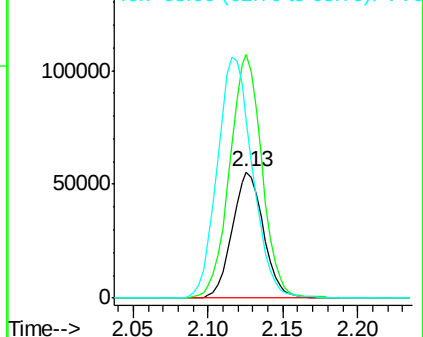
63 141.1 103.3 191.9

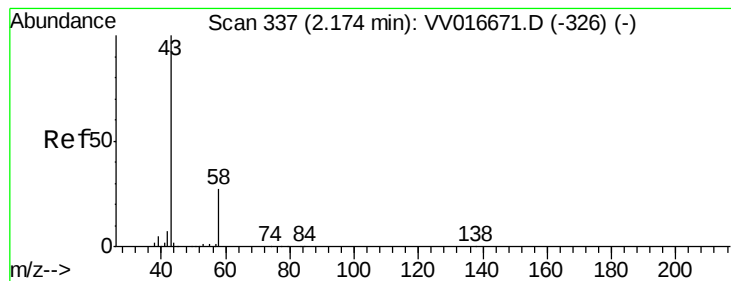


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 86.35 ug/L

RT: 2.17 min Scan# 336

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

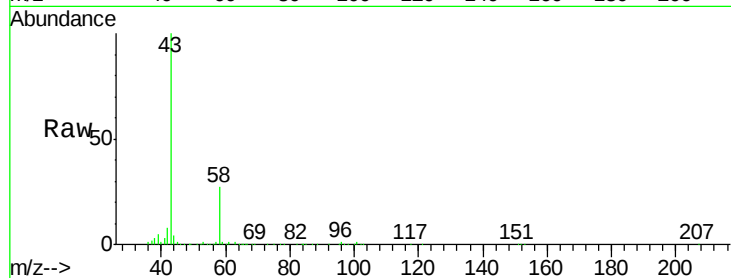
VSTD05078

Tgt Ion: 43 Resp: 112409

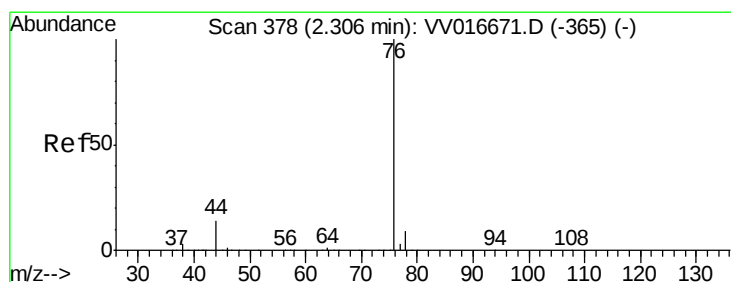
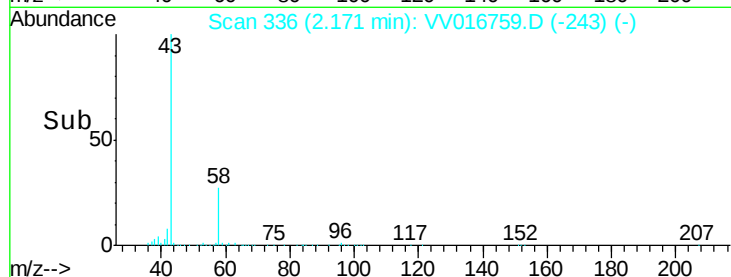
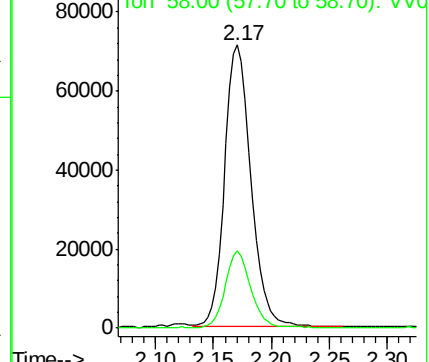
Ion Ratio Lower Upper

43 100

58 26.3 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016671.D (-326) (-)



#14

Carbon disulfide

Concen: 43.23 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV016759.D

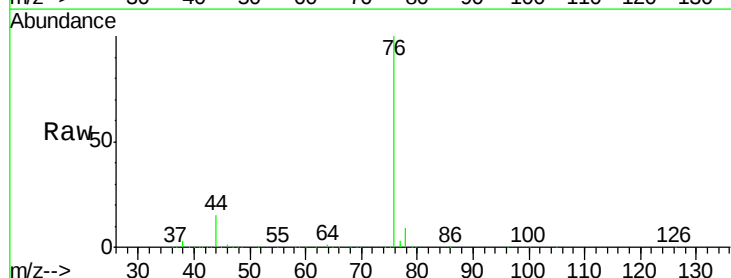
Acq: 10 Jun 2020 10:45

Tgt Ion: 76 Resp: 293885

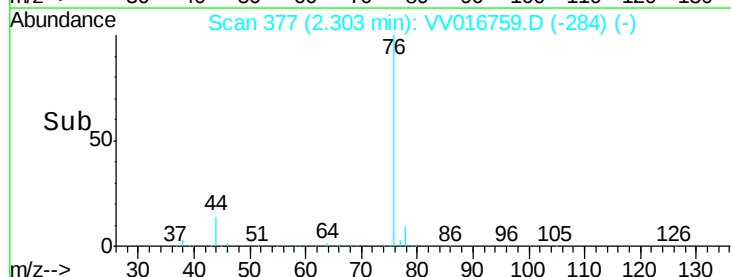
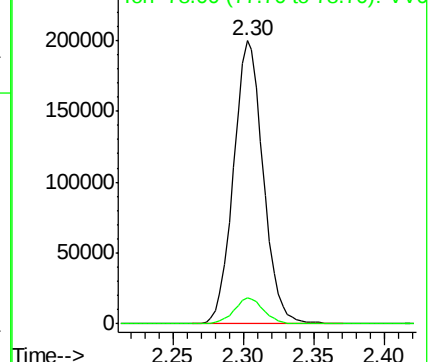
Ion Ratio Lower Upper

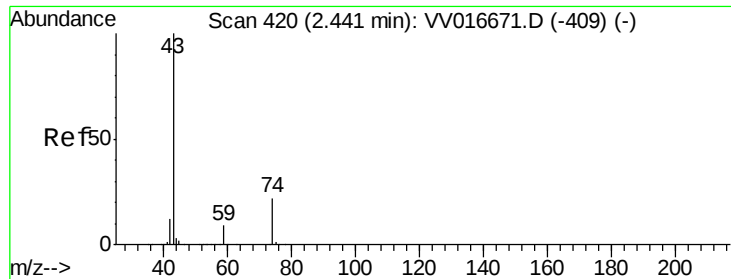
76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV016671.D (-365) (-)





#15

Methyl Acetate

Concen: 45.29 ug/L

RT: 2.44 min Scan# 419

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampled :

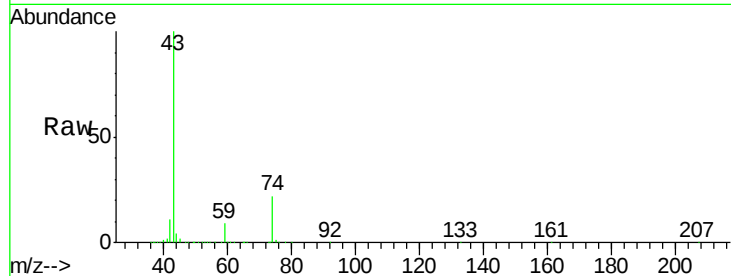
VSTD05078

Tgt Ion: 43 Resp: 131411

Ion Ratio Lower Upper

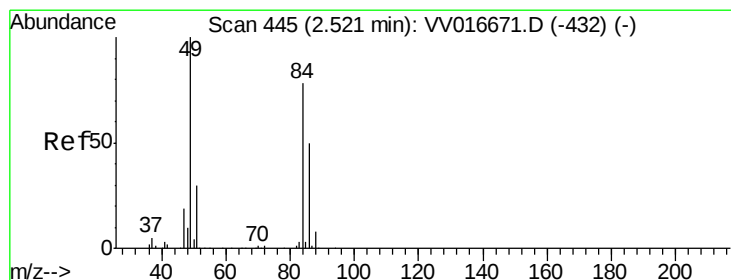
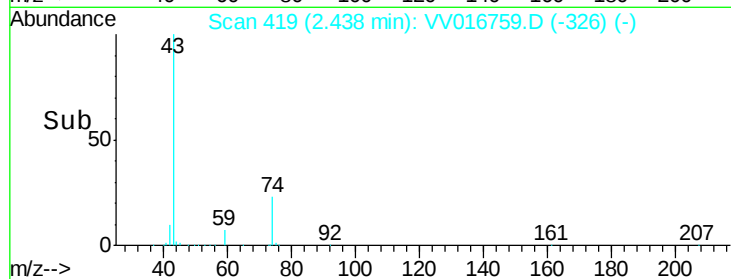
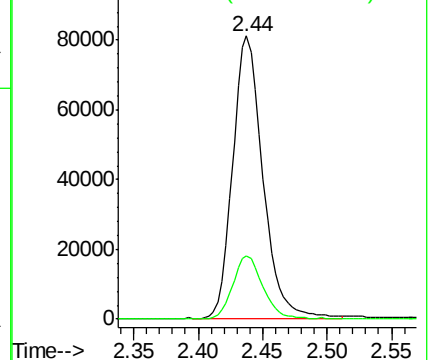
43 100

74 22.4 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 43.59 ug/L

RT: 2.52 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

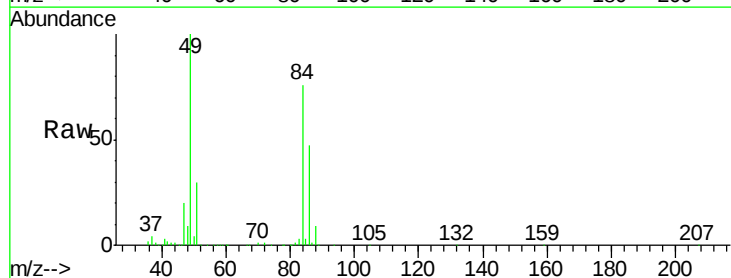
Tgt Ion: 84 Resp: 120100

Ion Ratio Lower Upper

84 100

86 61.5 44.0 81.8

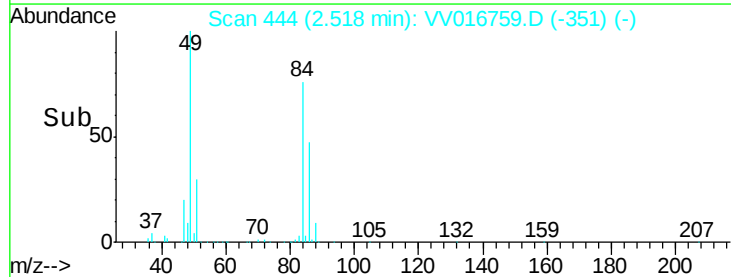
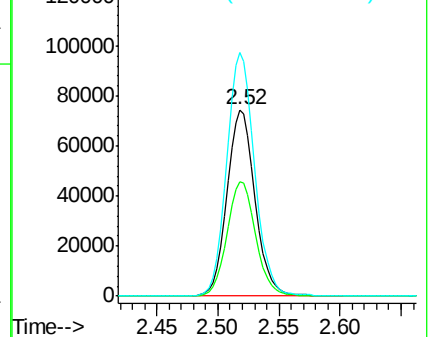
49 130.9 90.9 168.9

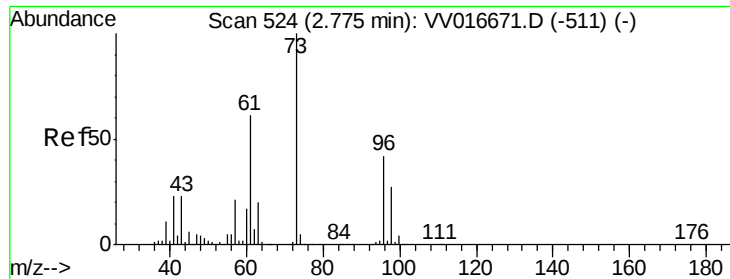


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

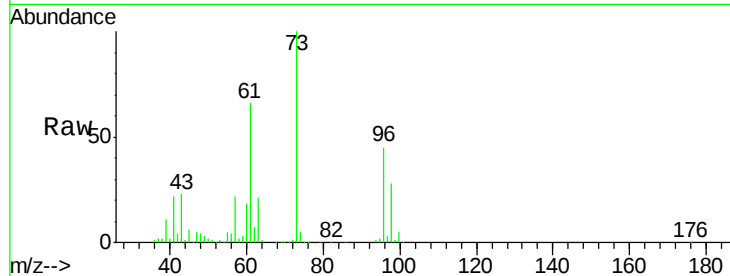




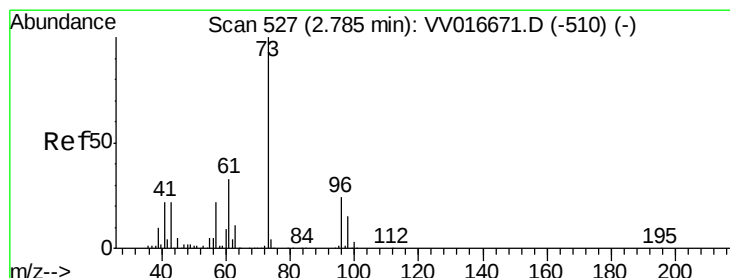
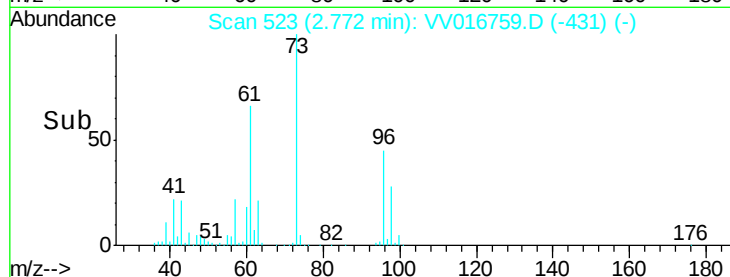
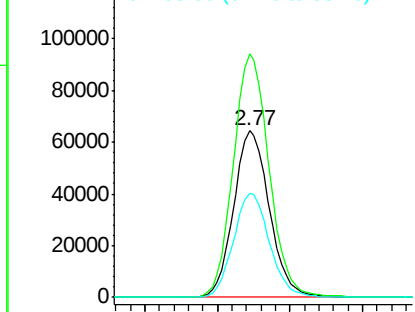
#17
trans-1,2-Dichloroethene
Concen: 43.09 ug/L
RT: 2.77 min Scan# 523
Delta R.T. -0.00 min
Lab File: VV016759.D
Acq: 10 Jun 2020 10:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

Tgt Ion: 96 Resp: 110319
Ion Ratio Lower Upper
96 100
61 146.0 102.9 191.1
98 62.6 45.5 84.5

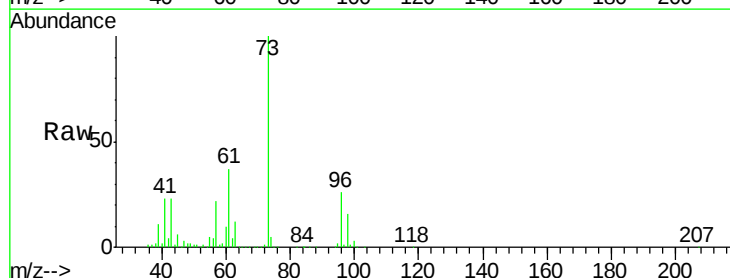


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

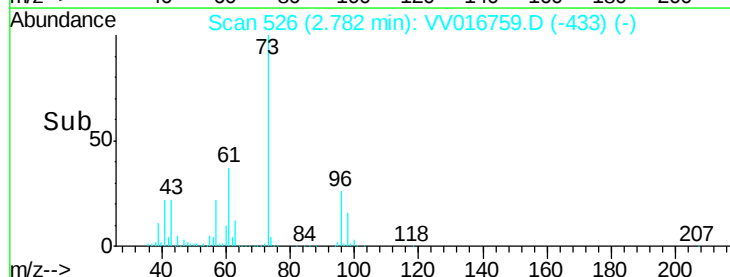
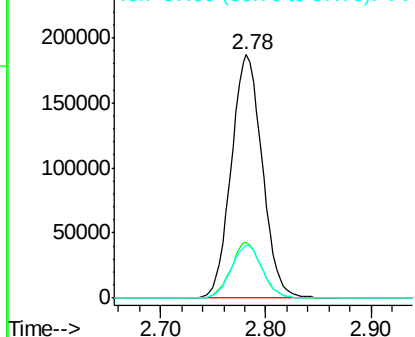


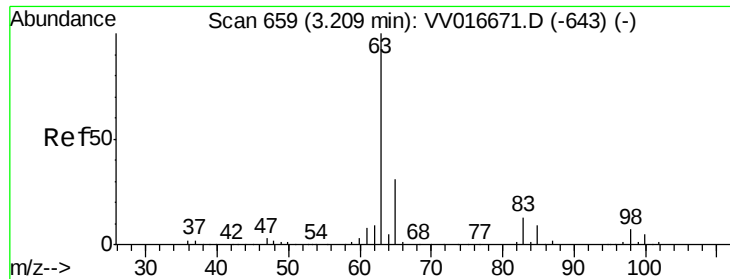
#18
Methyl tert-butyl Ether
Concen: 44.88 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV016759.D
Acq: 10 Jun 2020 10:45

Tgt Ion: 73 Resp: 380737
Ion Ratio Lower Upper
73 100
43 22.3 17.8 26.6
57 22.0 17.7 26.5



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: 44.09 ug/L

RT: 3.21 min Scan# 658

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

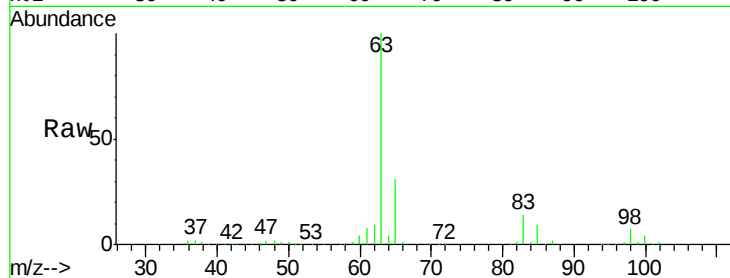
Tgt Ion: 63 Resp: 212475

Ion Ratio Lower Upper

63 100

65 31.3 23.2 43.0

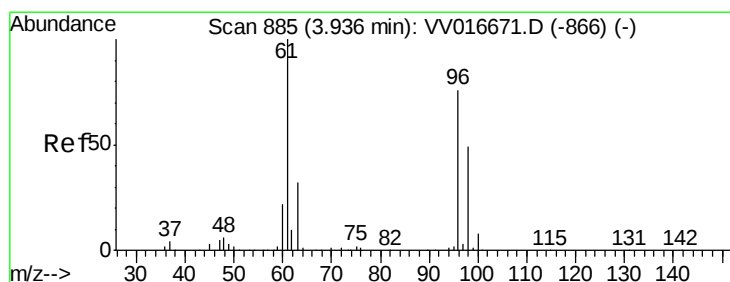
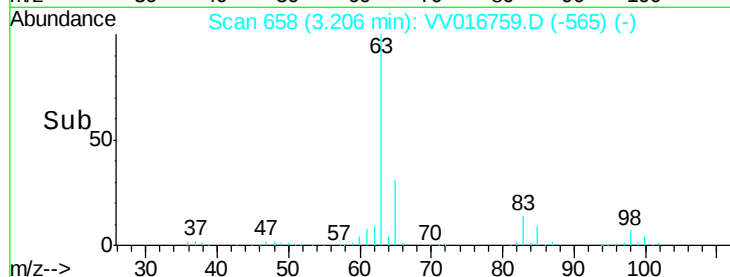
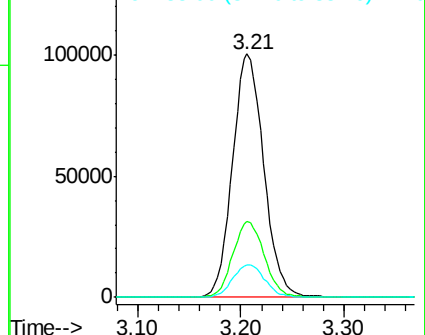
83 13.6 10.0 18.6



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: 44.06 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

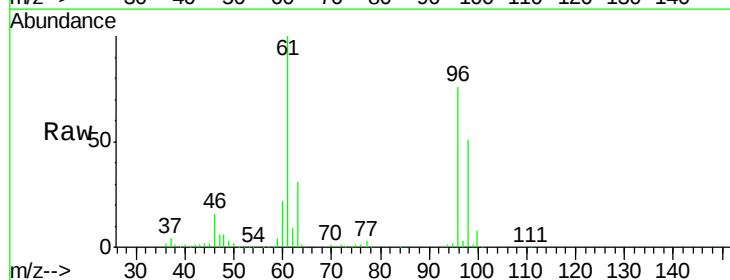
Tgt Ion: 96 Resp: 122975

Ion Ratio Lower Upper

96 100

61 131.1 93.4 173.4

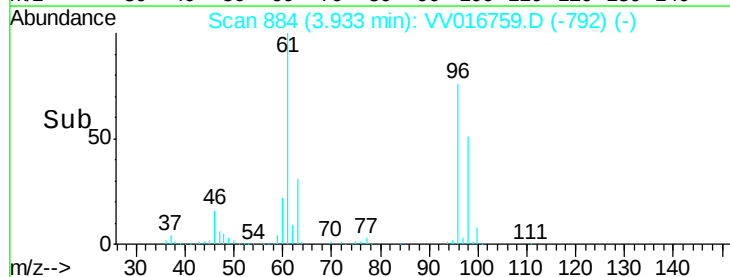
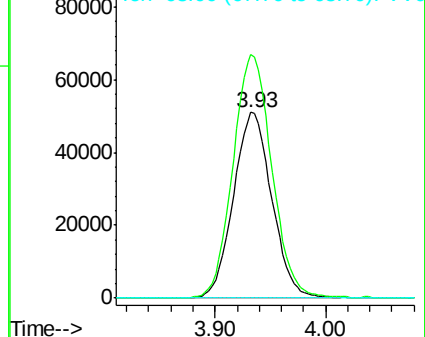
68 0.0 0.0 0.0

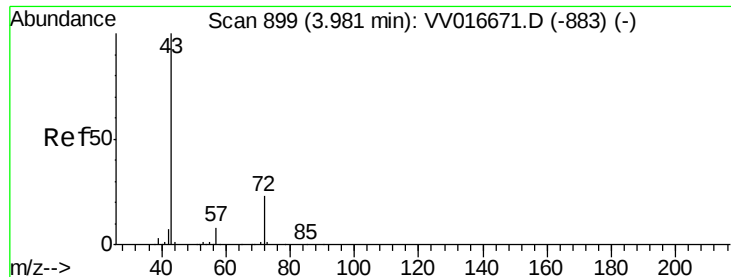


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 92.42 ug/L

RT: 3.98 min Scan# 898

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

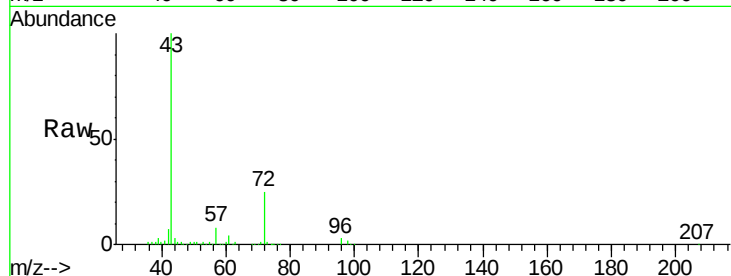
VSTD05078

Tgt Ion: 43 Resp: 185532

Ion Ratio Lower Upper

43 100

72 25.4 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV016671.D (-883) (-)

Ion 72.00 (71.70 to 72.70): VV016671.D (-883) (-)

3.98

80000

60000

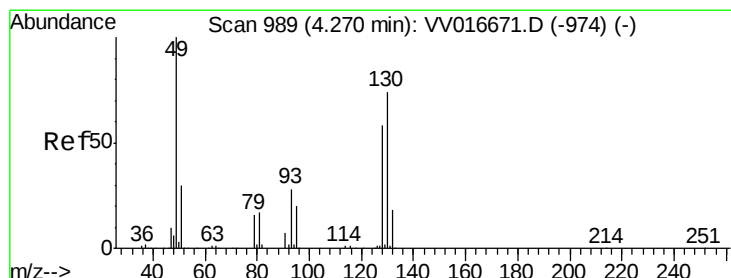
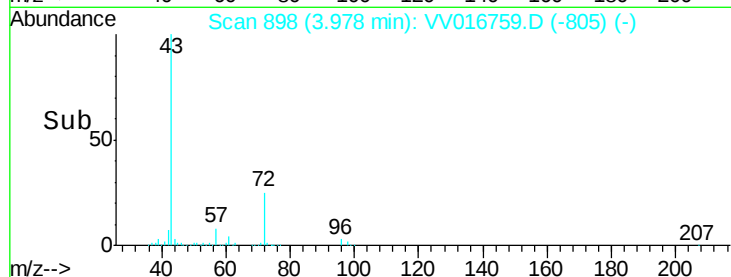
40000

20000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 43.87 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Tgt Ion: 128 Resp: 64497

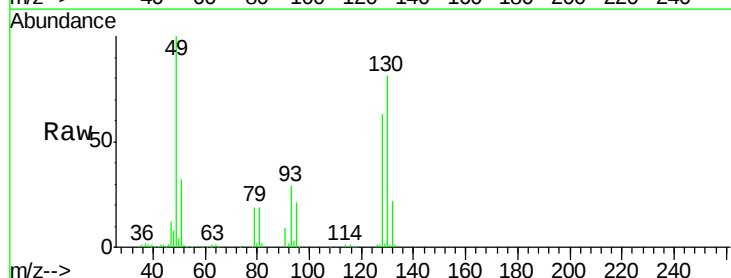
Ion Ratio Lower Upper

128 100

49 158.5 111.9 207.9

130 128.5 91.5 169.9

51 50.4 42.1 63.1



Abundance Ion 128.00 (127.70 to 128.70): VV016671.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VV016671.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV016671.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV016671.D (-974) (-)

60000

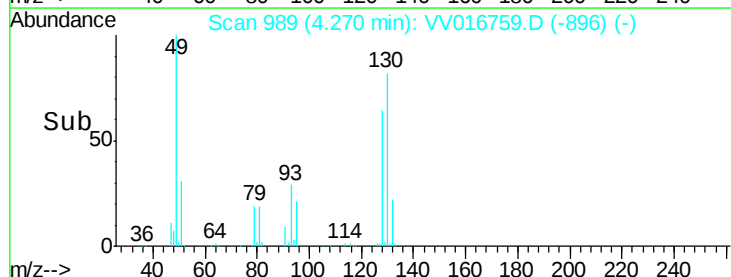
40000

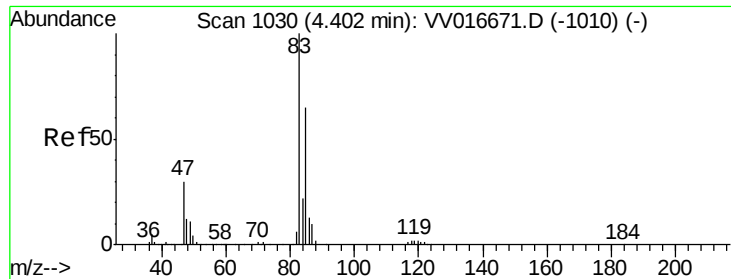
20000

0

Time-->

4.20 4.25 4.30 4.35

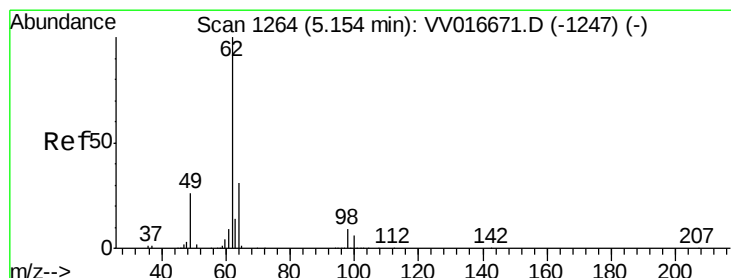
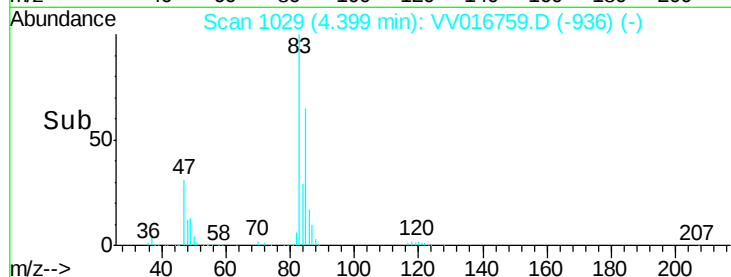
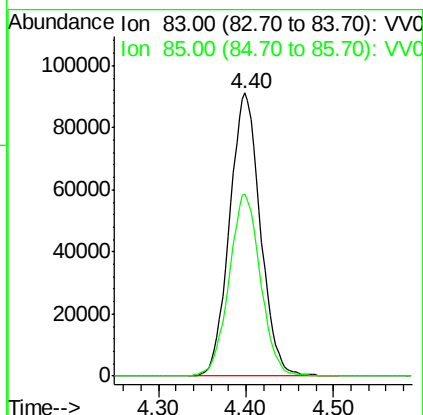
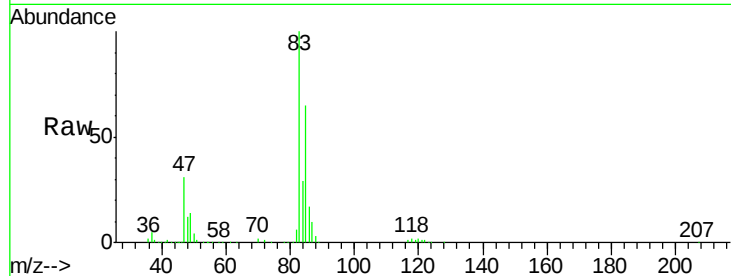




#25
Chloroform
Concen: 44.95 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV016759.D
Acq: 10 Jun 2020 10:45

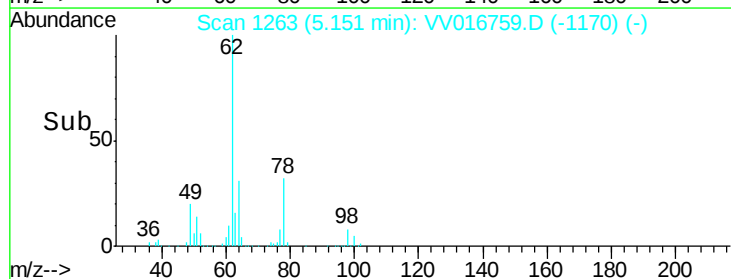
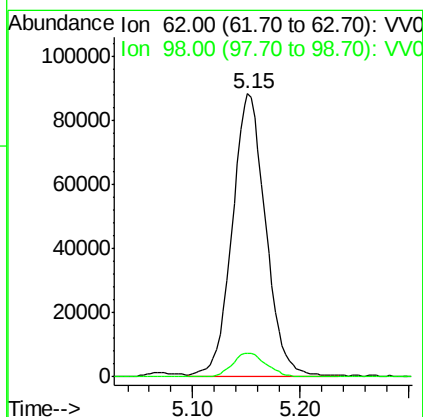
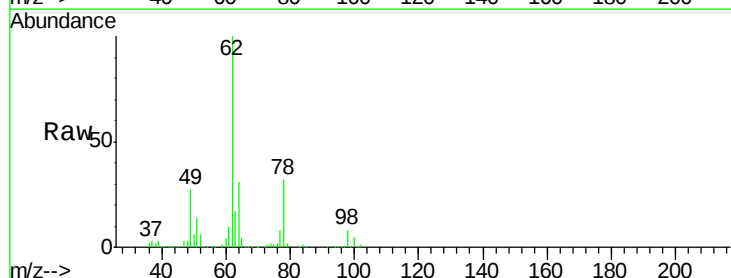
Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

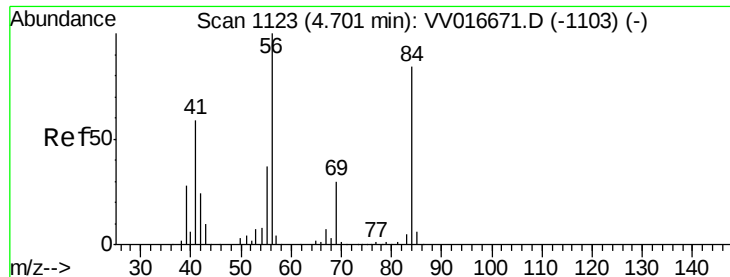
Tgt Ion: 83 Resp: 222635
Ion Ratio Lower Upper
83 100
85 64.5 44.1 81.9



#27
1,2-Dichloroethane
Concen: 45.87 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV016759.D
Acq: 10 Jun 2020 10:45

Tgt Ion: 62 Resp: 190445
Ion Ratio Lower Upper
62 100
98 8.4 7.4 11.2

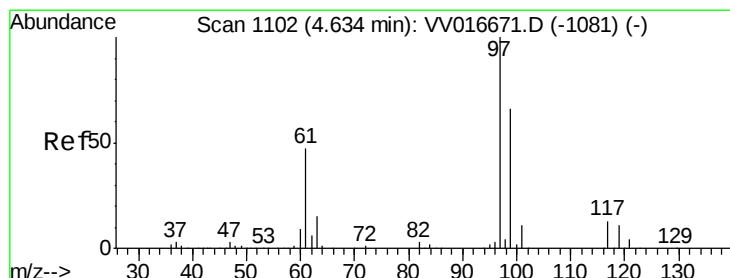
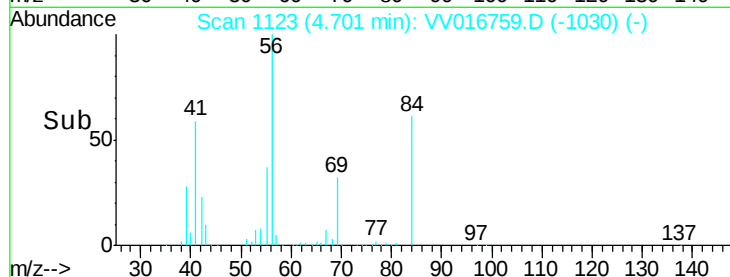
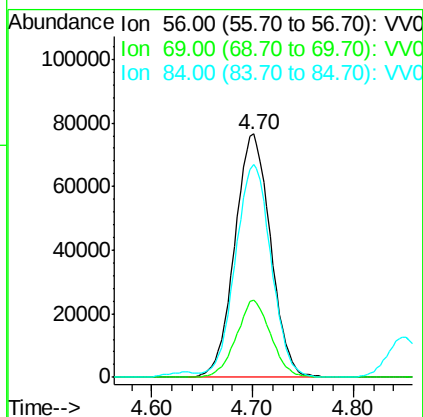
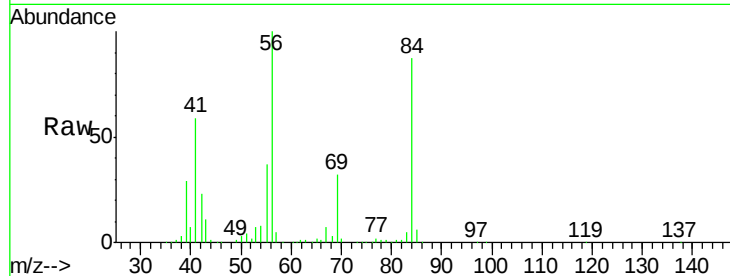




#29
Cyclohexane
Concen: 41.79 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV016759.D
Acq: 10 Jun 2020 10:45

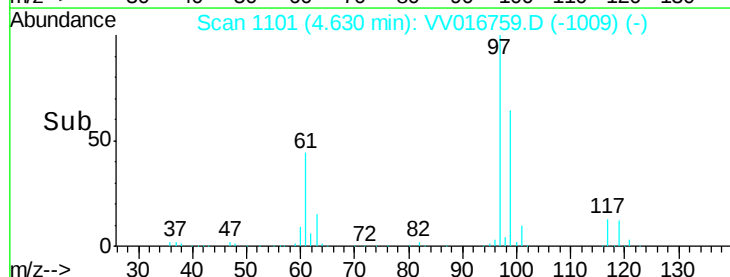
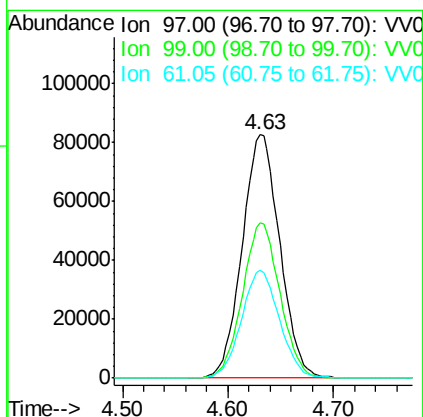
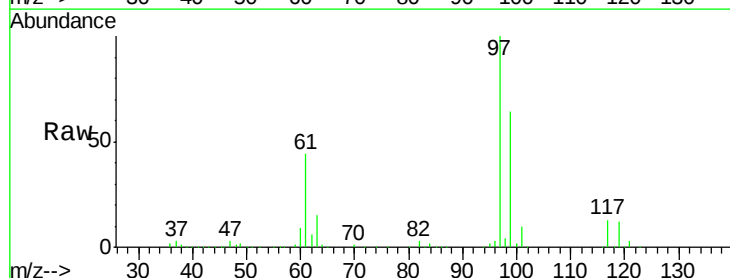
Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

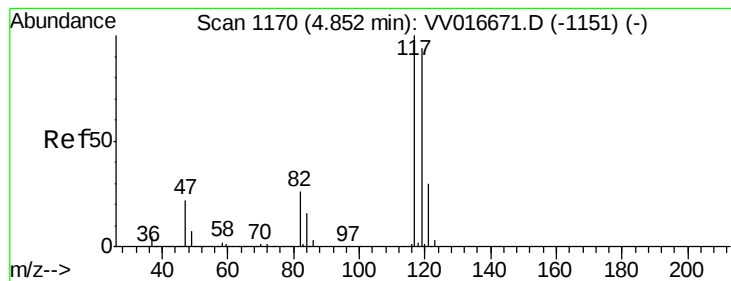
Tgt Ion: 56 Resp: 187777
Ion Ratio Lower Upper
56 100
69 30.7 25.0 37.4
84 87.7 69.5 104.3



#30
1,1,1-Trichloroethane
Concen: 44.52 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV016759.D
Acq: 10 Jun 2020 10:45

Tgt Ion: 97 Resp: 205311
Ion Ratio Lower Upper
97 100
99 63.6 51.3 76.9
61 44.9 36.7 55.1





#31

Carbon tetrachloride

Concen: 44.13 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

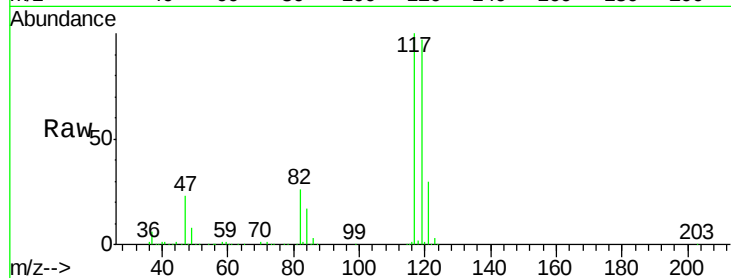
VSTD05078

Tgt Ion:117 Resp: 176058

Ion Ratio Lower Upper

117 100

119 96.6 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

80000

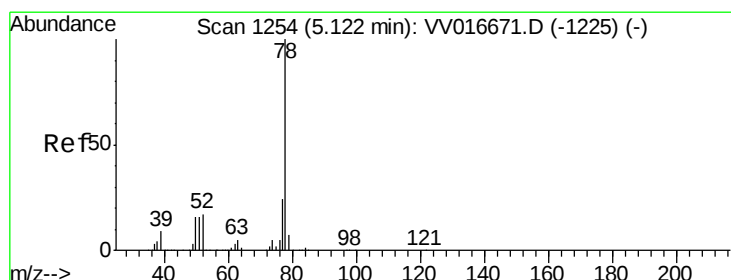
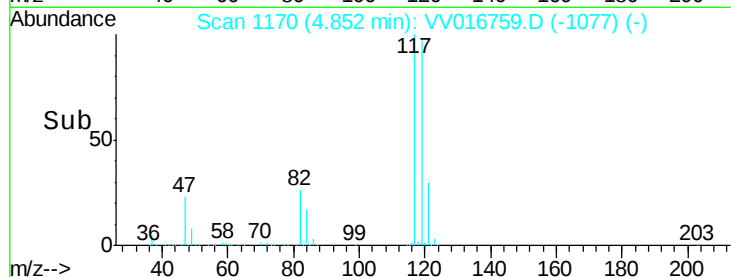
60000

40000

20000

0

Time--> 4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 42.84 ug/L

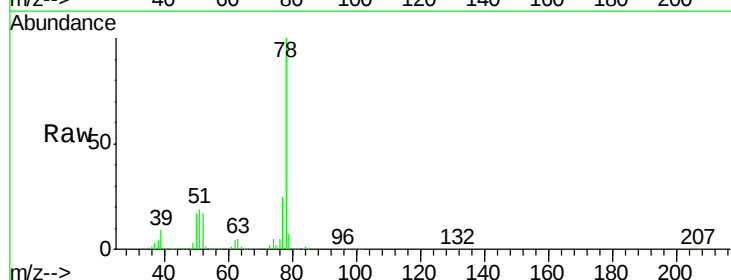
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Tgt Ion: 78 Resp: 458318



Abundance Ion 78.00 (77.70 to 78.70): VV0

200000

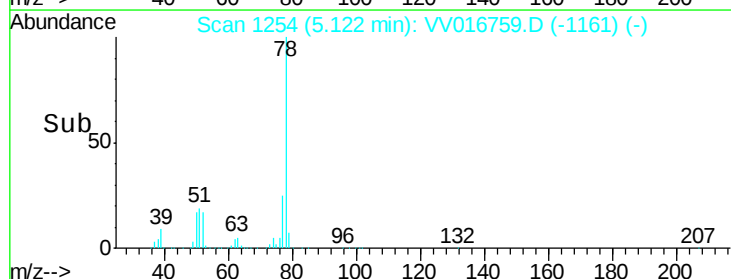
150000

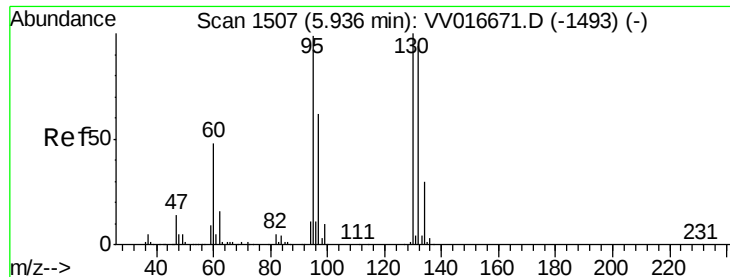
100000

50000

0

Time--> 5.00 5.10 5.20 5.30

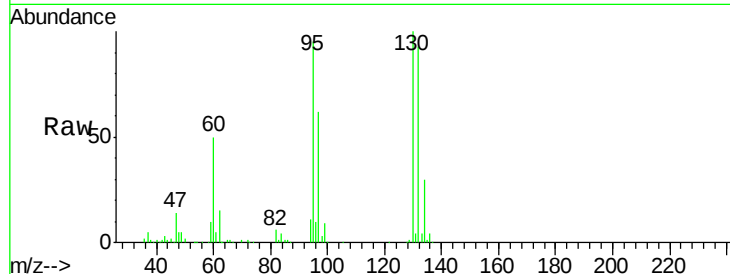




#34
 Trichloroethene
 Concen: 42.91 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016759.D
 Acq: 10 Jun 2020 10:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Tgt Ion:	95	Resp:	123142
Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.3	82.3
132	98.3	67.9	126.1
130	105.8	72.2	134.2



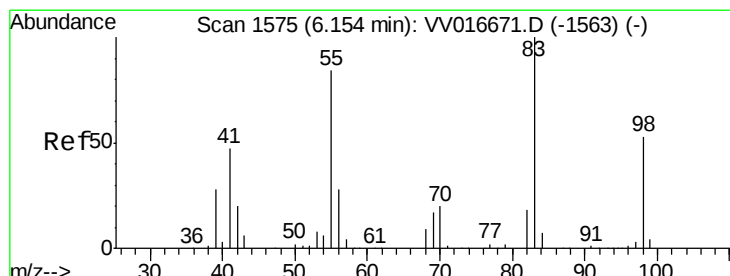
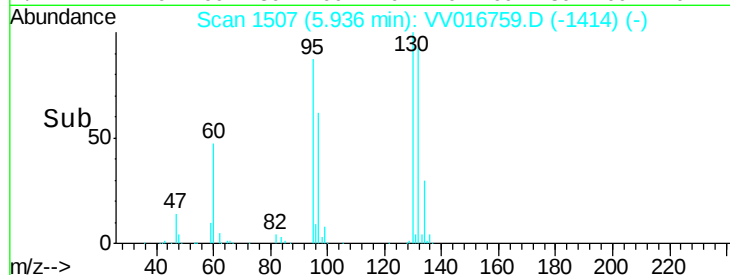
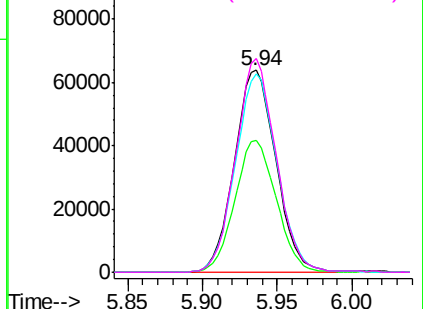
Abundance

Ion 95.00 (94.70 to 95.70): VV016671.D (-1493) (-)

Ion 97.00 (96.70 to 97.70): VV016671.D (-1493) (-)

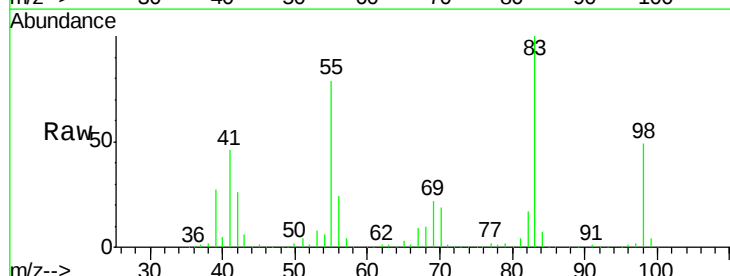
Ion 132.00 (131.70 to 132.70): VV016671.D (-1493) (-)

Ion 130.00 (129.70 to 130.70): VV016671.D (-1493) (-)



#35
 Methylcyclohexane
 Concen: 42.31 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV016759.D
 Acq: 10 Jun 2020 10:45

Tgt Ion:	83	Resp:	190444
Ion	Ratio	Lower	Upper
83	100		
55	78.8	64.2	96.2
98	50.3	40.3	60.5

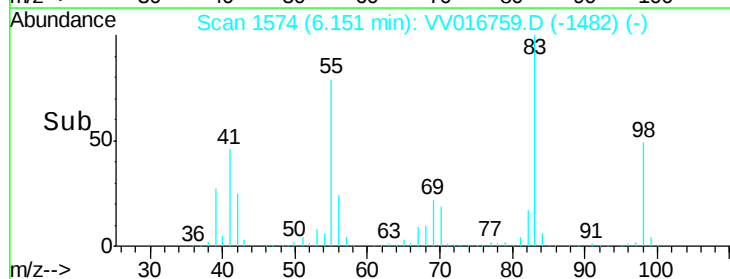
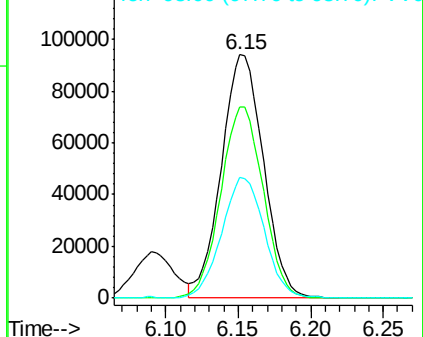


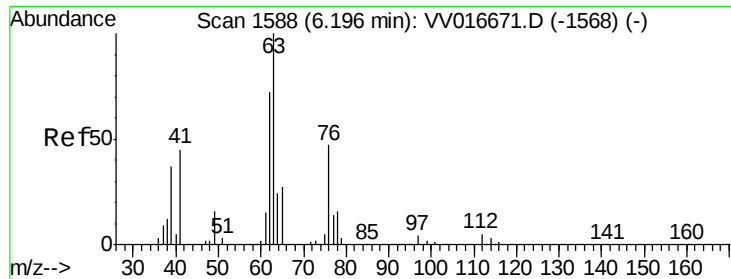
Abundance

Ion 83.00 (82.70 to 83.70): VV016671.D (-1563) (-)

Ion 55.00 (54.70 to 55.70): VV016671.D (-1563) (-)

Ion 98.00 (97.70 to 98.70): VV016671.D (-1563) (-)

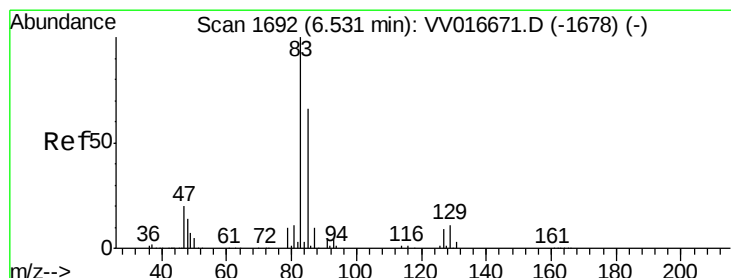
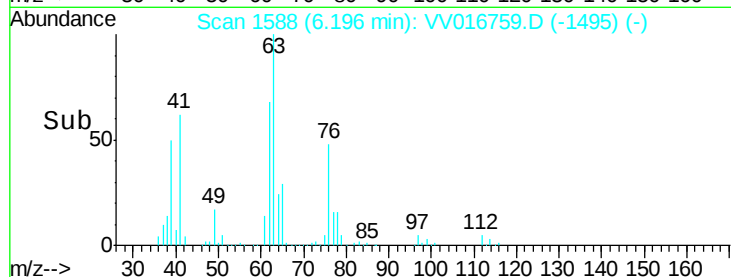
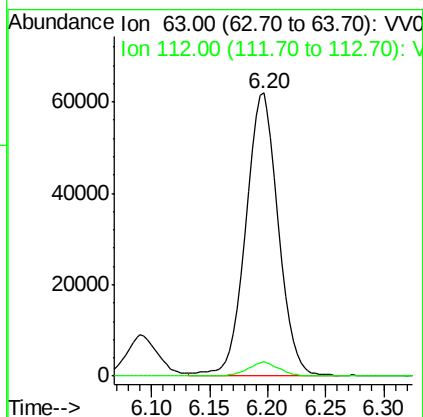
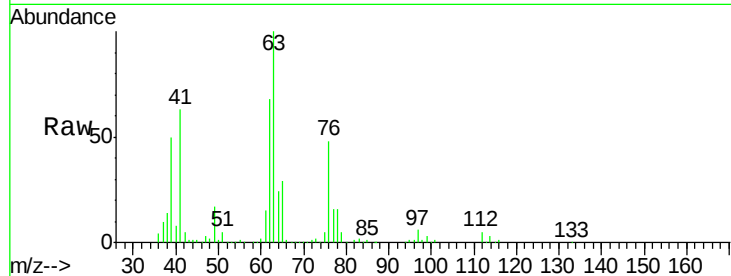




#37
 1,2-Dichloropropane
 Concen: 43.48 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016759.D
 Acq: 10 Jun 2020 10:45

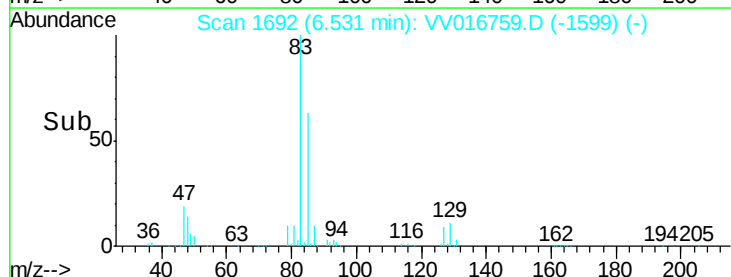
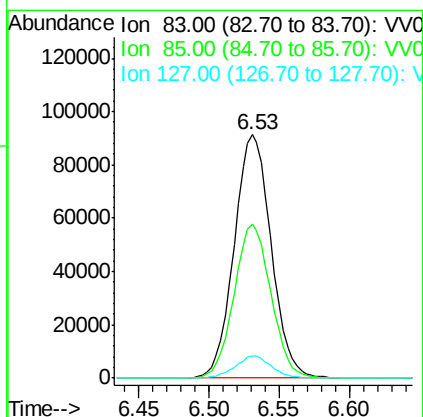
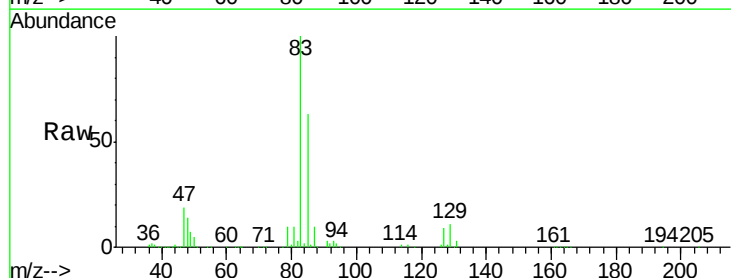
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

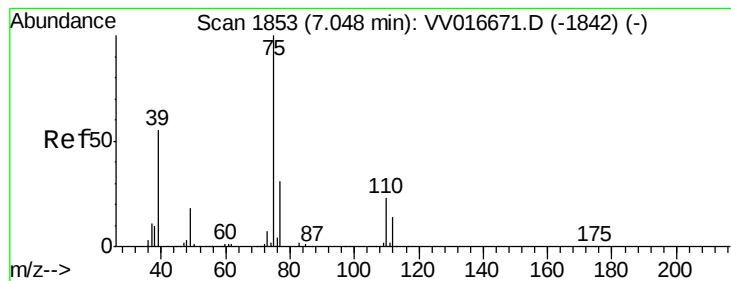
Tgt Ion: 63 Resp: 120992
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.6



#38
 Bromodichloromethane
 Concen: 45.31 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV016759.D
 Acq: 10 Jun 2020 10:45

Tgt Ion: 83 Resp: 167807
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.4 82.5
 127 9.3 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 45.65 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

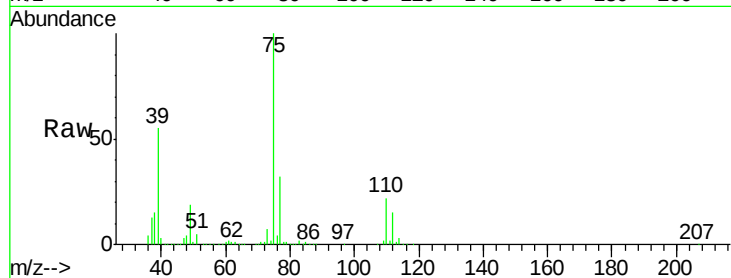
VSTD05078

Tgt Ion: 75 Resp: 197317

Ion Ratio Lower Upper

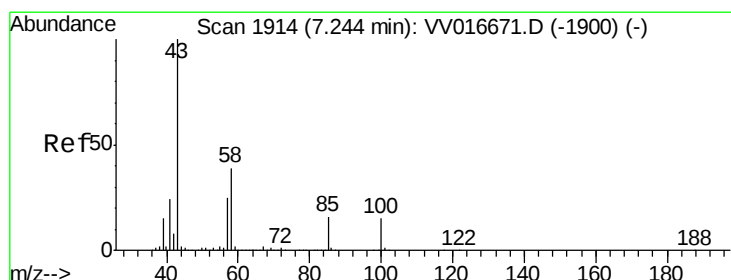
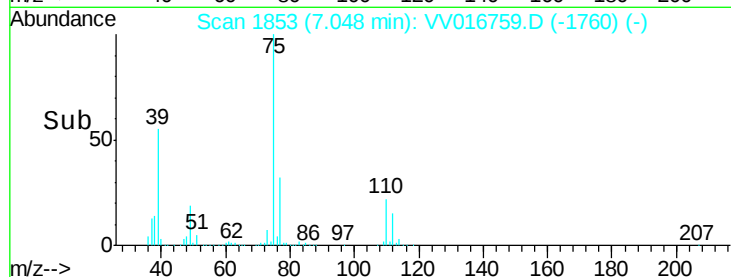
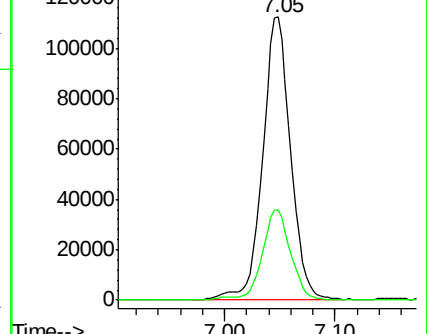
75 100

77 31.9 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#40

4-Methyl-2-pentanone

Concen: 90.48 ug/L

RT: 7.24 min Scan# 1914

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

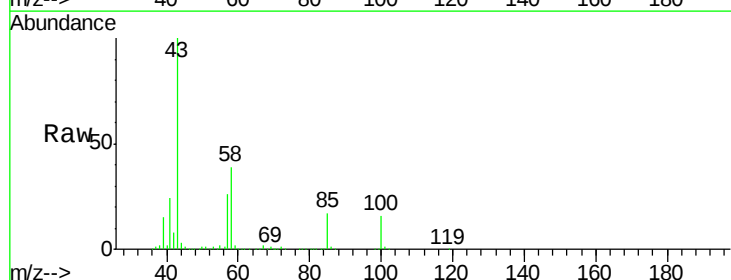
Tgt Ion: 43 Resp: 356737

Ion Ratio Lower Upper

43 100

58 38.4 30.2 45.4

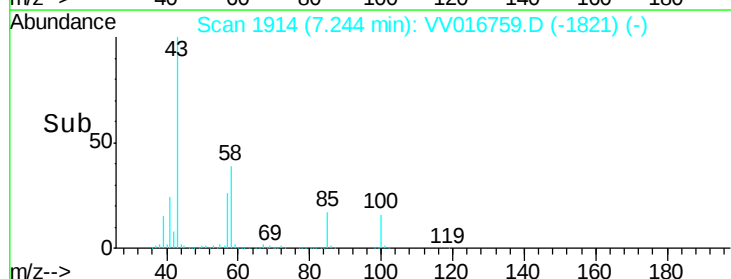
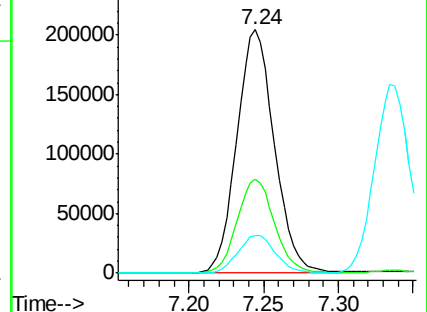
100 15.6 12.3 18.5

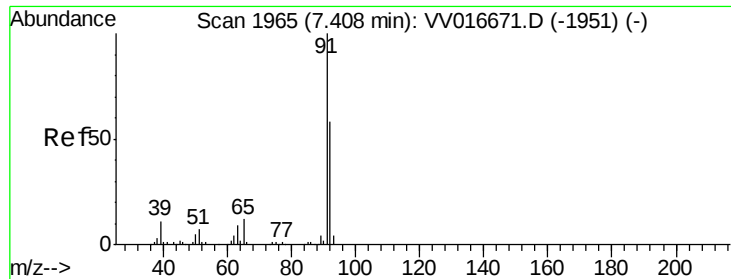


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 43.37 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

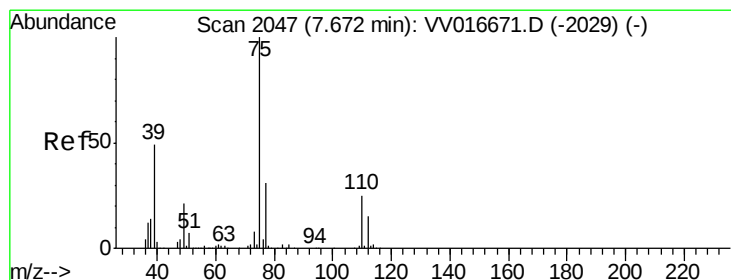
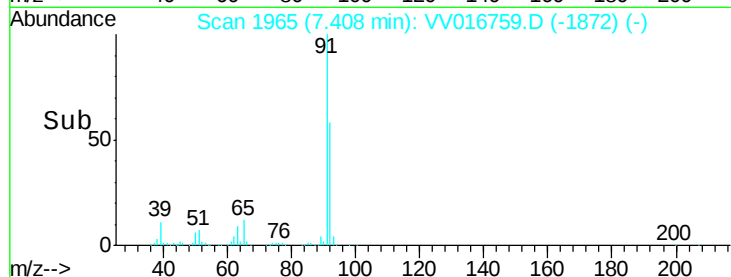
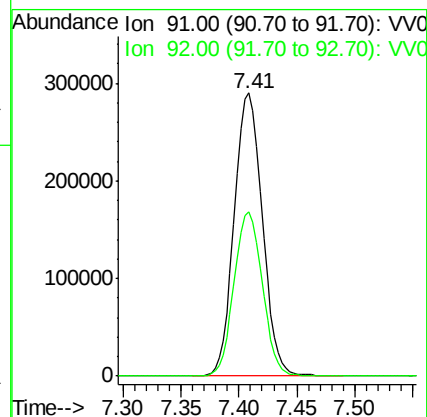
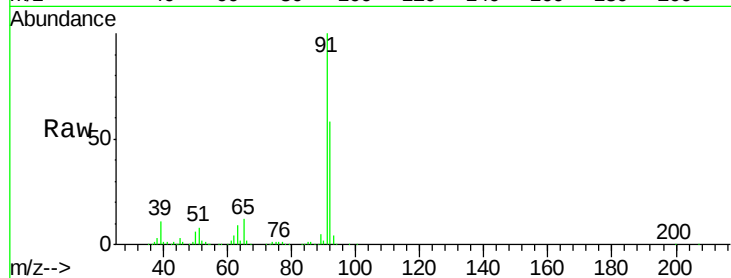
VSTD05078

Tgt Ion: 91 Resp: 489196

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 45.86 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV016759.D

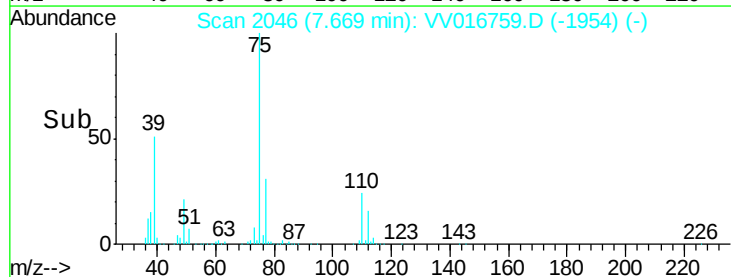
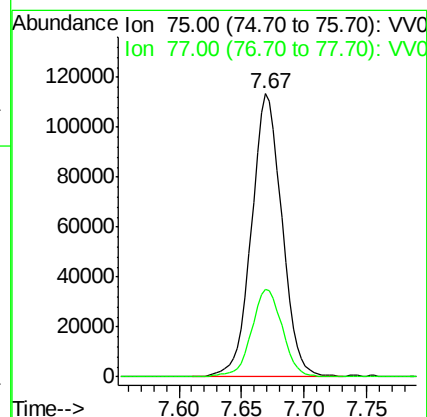
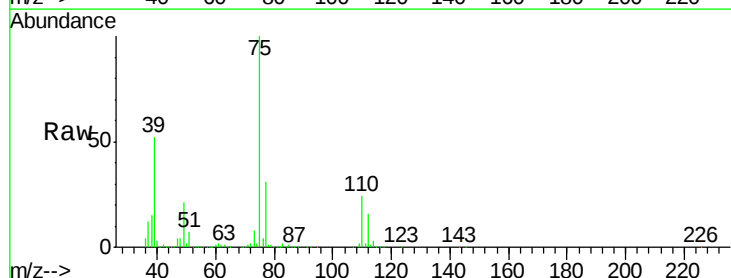
Acq: 10 Jun 2020 10:45

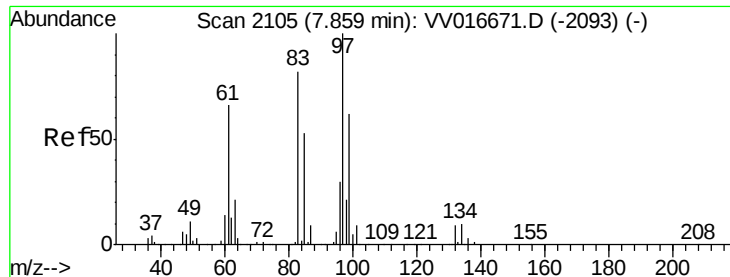
Tgt Ion: 75 Resp: 192696

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3

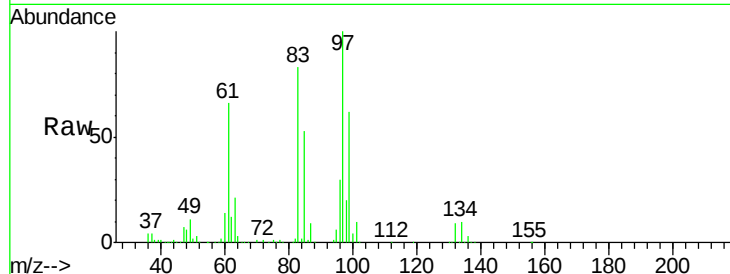




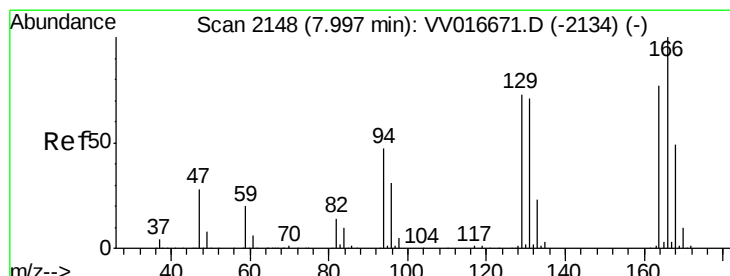
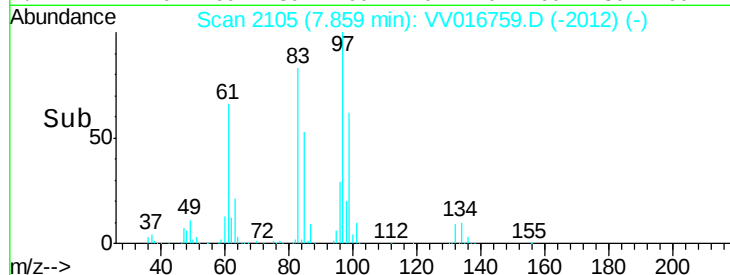
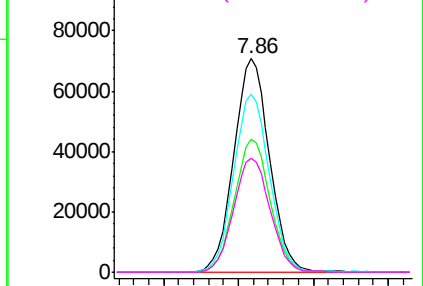
#45
 1,1,2-Trichloroethane
 Concen: 43.74 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV016759.D
 Acq: 10 Jun 2020 10:45

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05078

Tgt Ion:	97	Resp:	117429
Ion	Ratio	Lower	Upper
97	100		
99	62.1	44.3	82.3
83	83.5	60.0	111.4
85	53.1	39.5	73.3

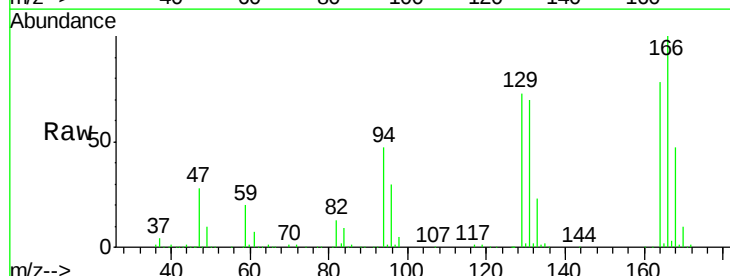


Abundance Ion 97.00 (96.70 to 97.70): VV016671.D (-2093) (-)

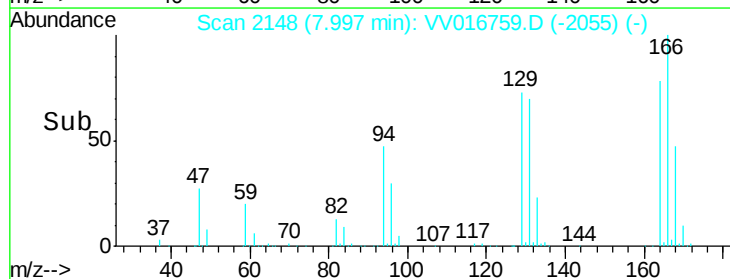
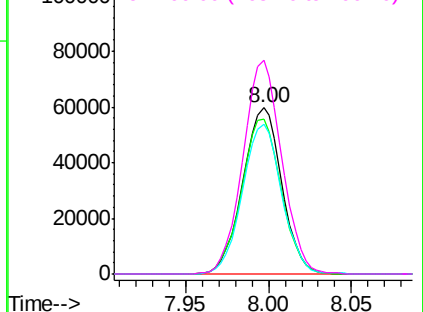


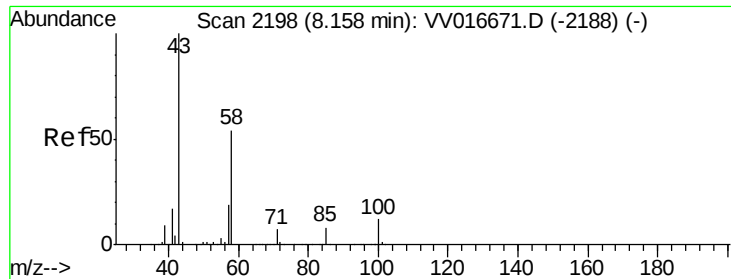
#46
 Tetrachloroethene
 Concen: 43.28 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016759.D
 Acq: 10 Jun 2020 10:45

Tgt Ion:	164	Resp:	97668
Ion	Ratio	Lower	Upper
164	100		
129	93.2	67.0	124.4
131	89.9	64.8	120.3
166	128.5	90.4	167.8



Abundance Ion 164.00 (163.70 to 164.70): VV016671.D (-2134) (-)

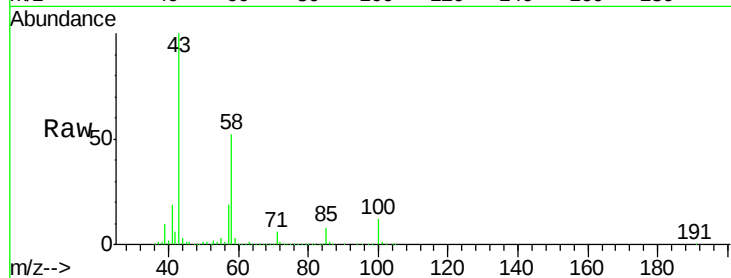




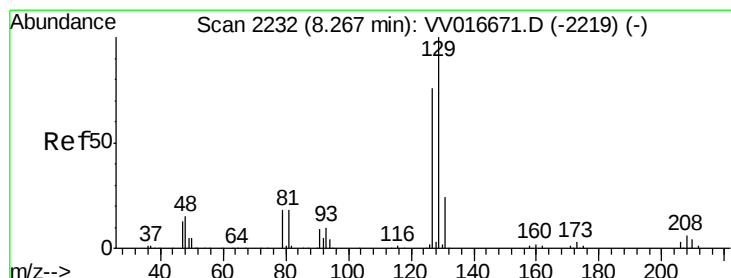
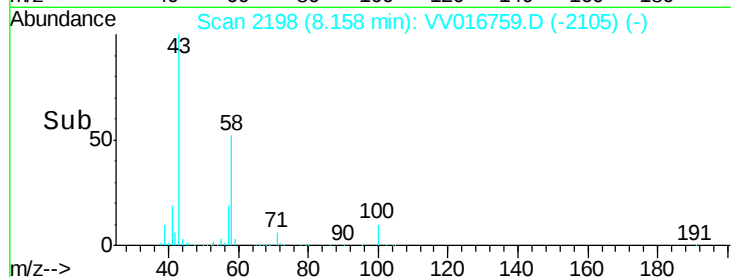
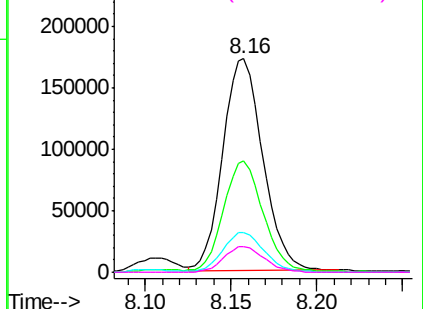
#48
2-Hexanone
Concen: 91.38 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016759.D
Acq: 10 Jun 2020 10:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

Tgt Ion: 43 Resp: 279355
Ion Ratio Lower Upper
43 100
58 52.0 43.1 64.7
57 19.5 15.3 22.9
100 12.1 10.0 15.0

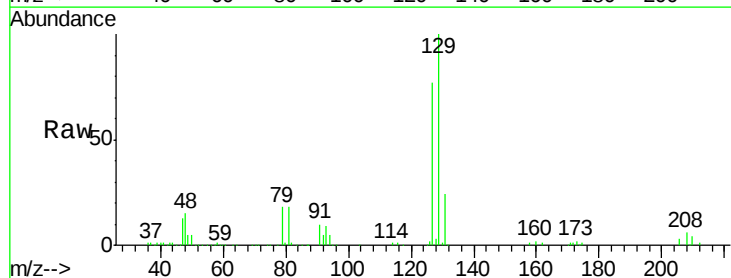


Abundance Ion 43.00 (42.70 to 43.70): VV016671.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV016671.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV016671.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV016671.D (-2188) (-)

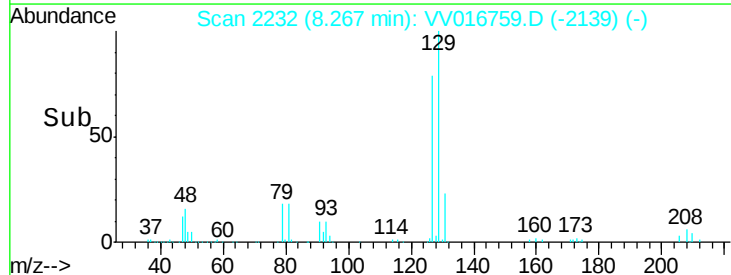
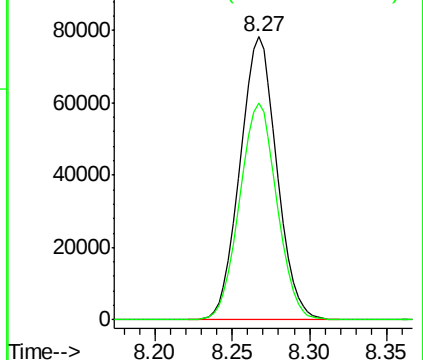


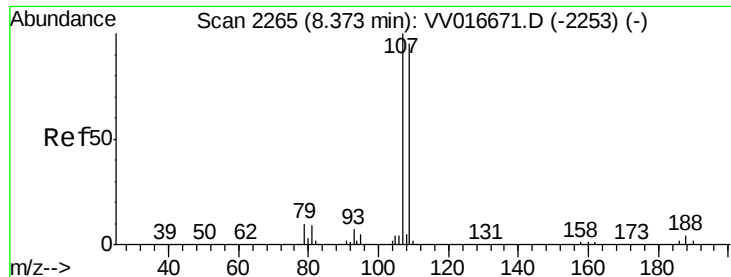
#49
Dibromochloromethane
Concen: 45.21 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016759.D
Acq: 10 Jun 2020 10:45

Tgt Ion: 129 Resp: 129748
Ion Ratio Lower Upper
129 100
127 76.5 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VV016671.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV016671.D (-2219) (-)

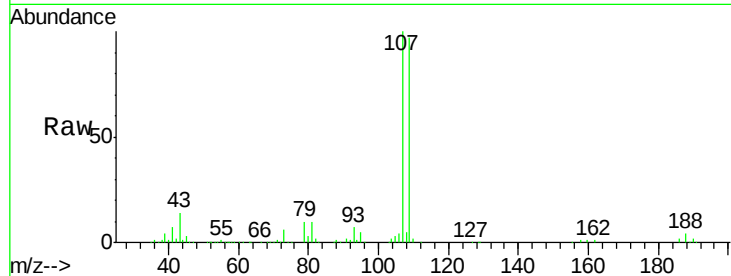




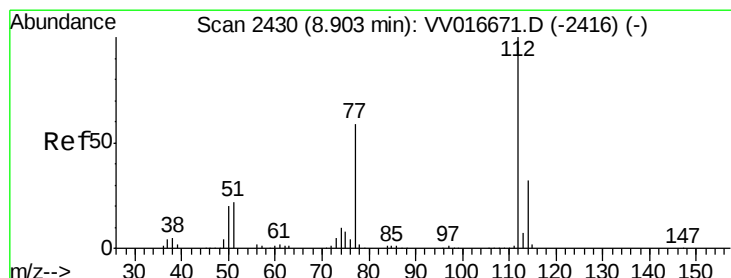
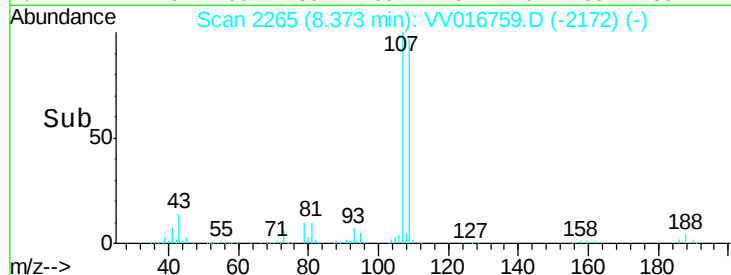
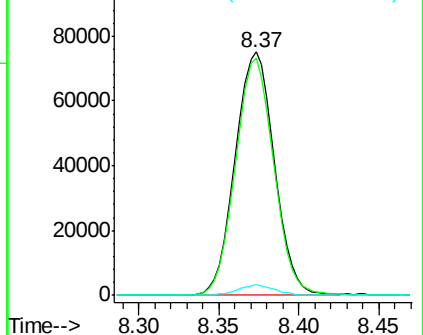
#50
 1,2-Dibromoethane
 Concen: 44.56 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV016759.D
 Acq: 10 Jun 2020 10:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Tgt Ion:107 Resp: 125254
 Ion Ratio Lower Upper
 107 100
 109 97.2 66.4 123.2
 188 4.2 3.1 4.7

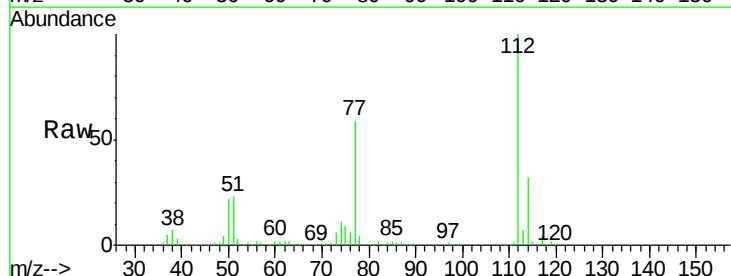


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

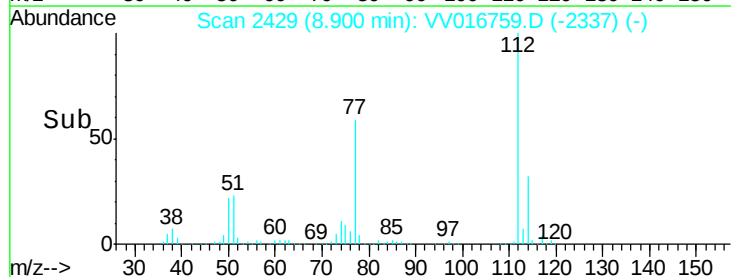
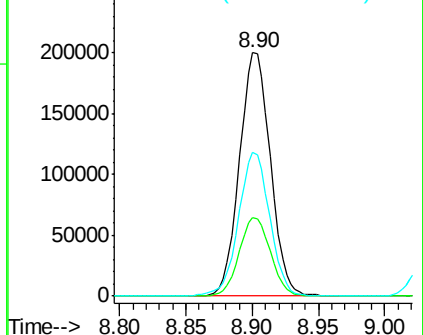


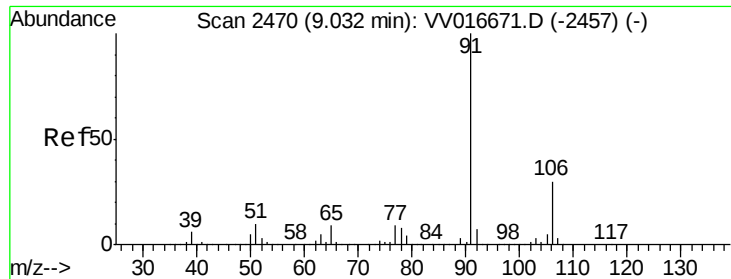
#51
 Chlorobenzene
 Concen: 44.15 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV016759.D
 Acq: 10 Jun 2020 10:45

Tgt Ion:112 Resp: 324862
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.3 41.3
 77 59.0 47.9 71.9



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 45.08 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

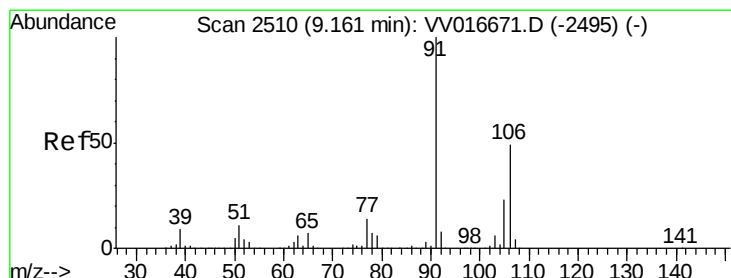
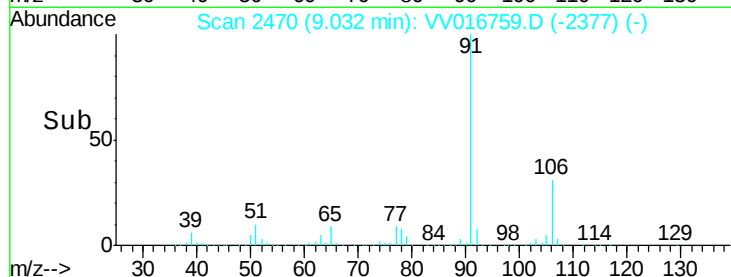
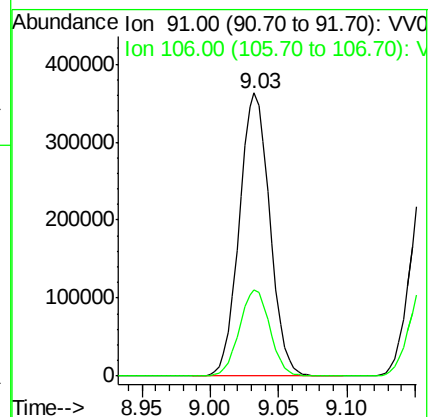
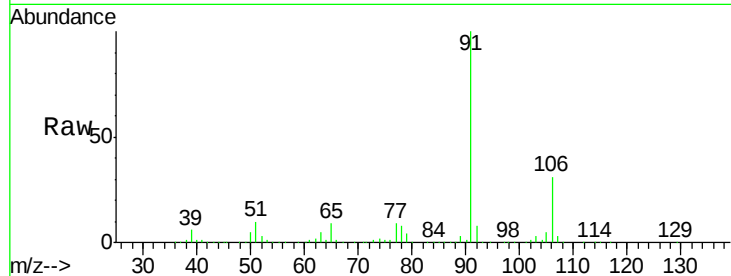
VSTD05078

Tgt Ion: 91 Resp: 563243

Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.1



#53

m,p-Xylene

Concen: 45.59 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016759.D

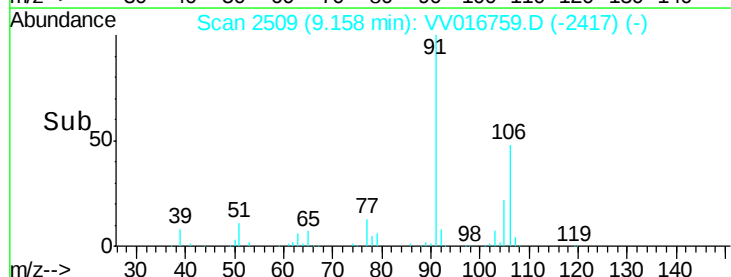
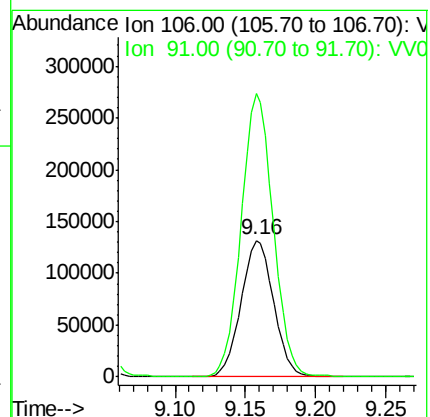
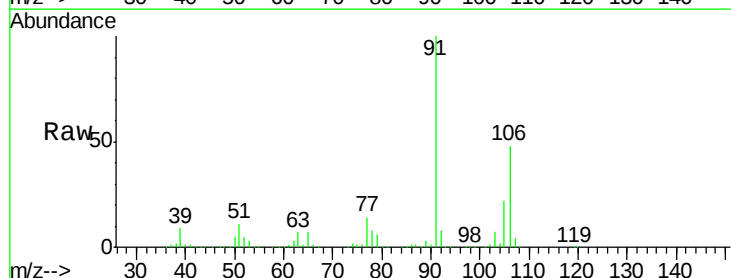
Acq: 10 Jun 2020 10:45

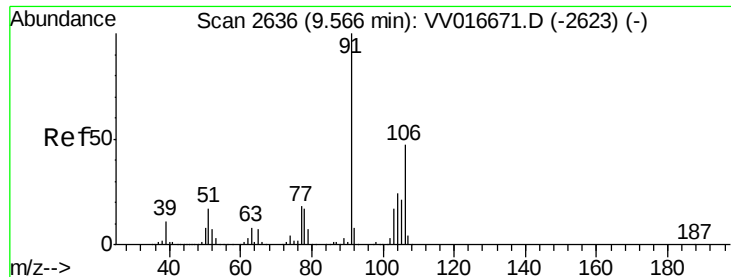
Tgt Ion: 106 Resp: 212081

Ion Ratio Lower Upper

106 100

91 207.5 144.6 268.6





#54

o-xylene

Concen: 45.42 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

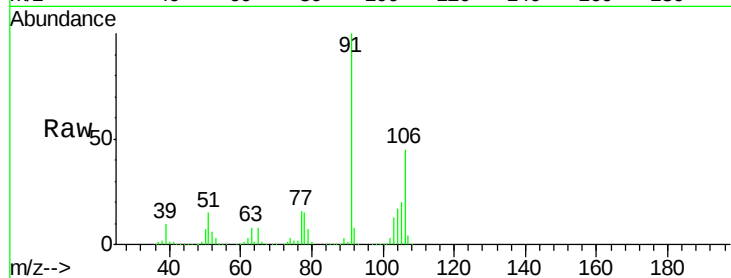
VSTD05078

Tgt Ion:106 Resp: 208377

Ion Ratio Lower Upper

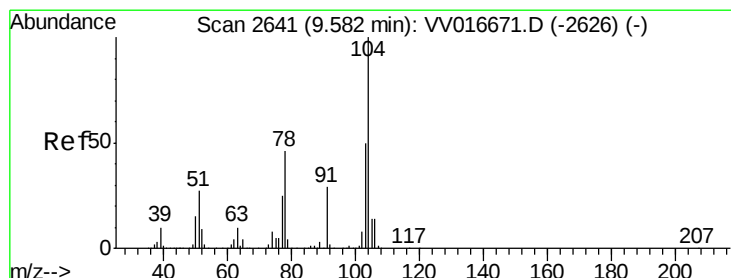
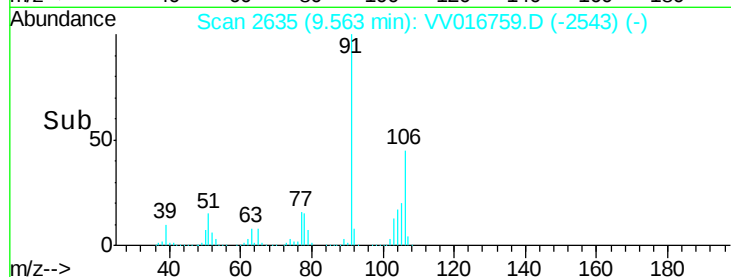
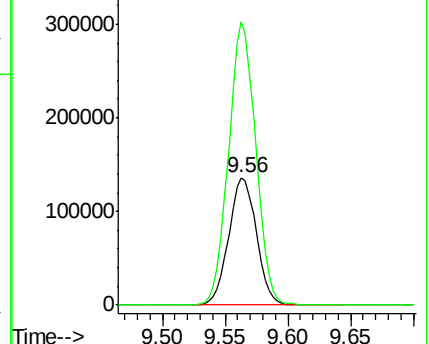
106 100

91 221.9 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 46.15 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV016759.D

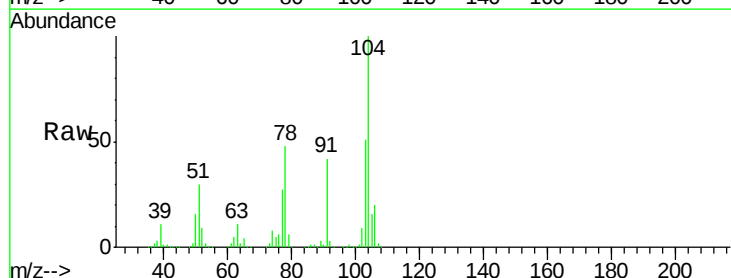
Acq: 10 Jun 2020 10:45

Tgt Ion:104 Resp: 357944

Ion Ratio Lower Upper

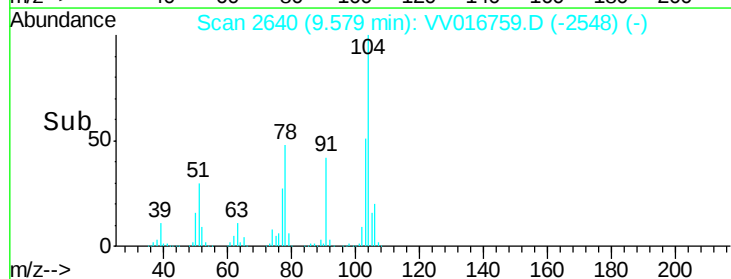
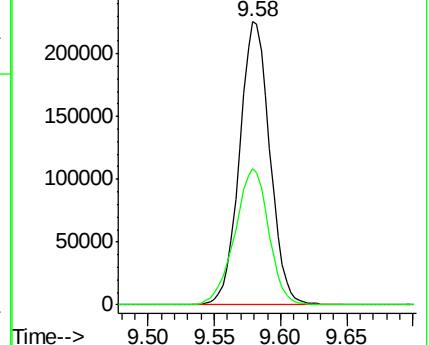
104 100

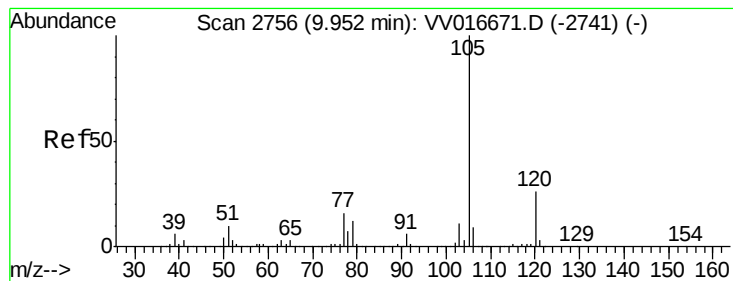
78 48.1 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 45.83 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

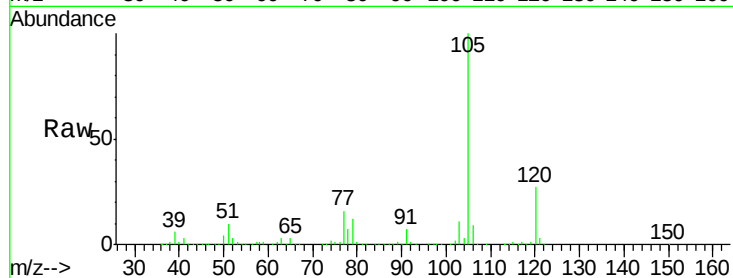
Tgt Ion: 105 Resp: 564879

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

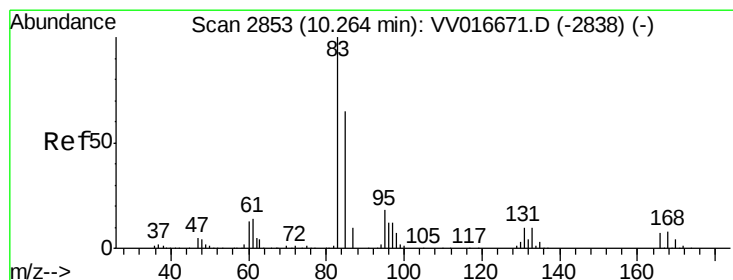
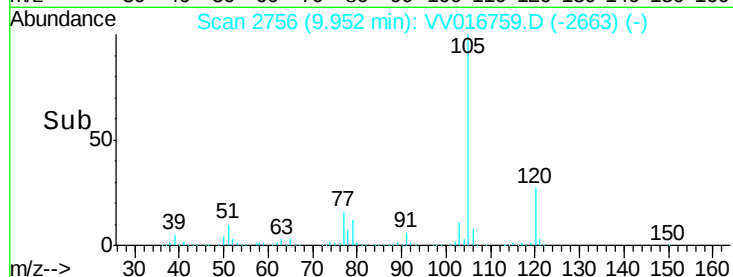
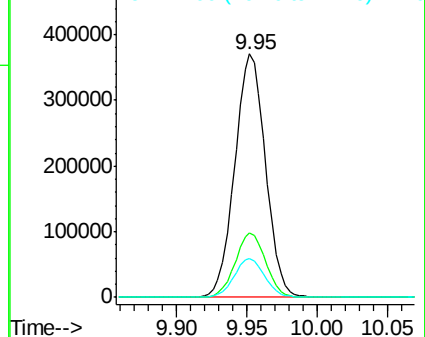
77 15.9 13.0 19.4



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: 45.42 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

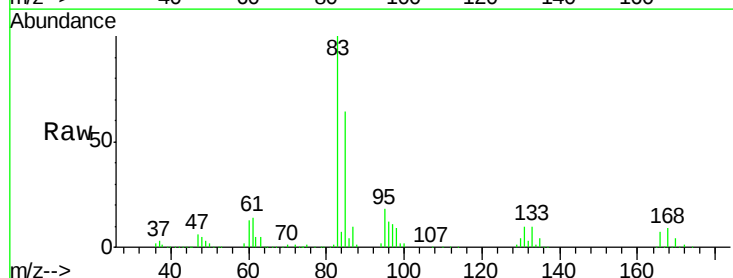
Tgt Ion: 83 Resp: 186941

Ion Ratio Lower Upper

83 100

85 63.9 46.8 86.8

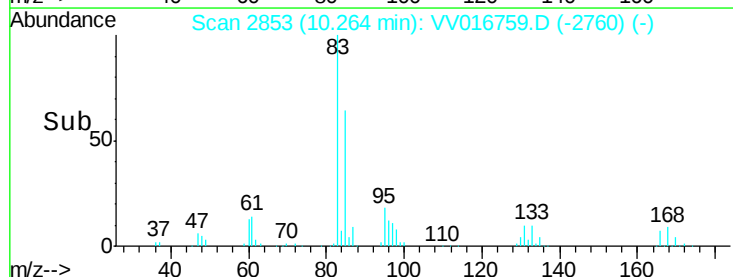
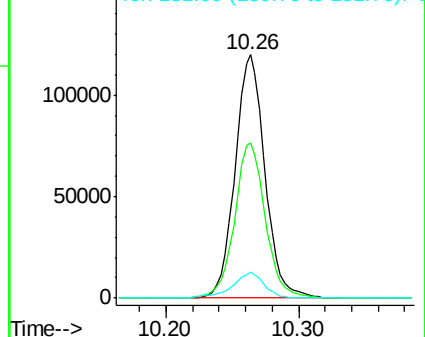
131 10.5 7.9 11.9

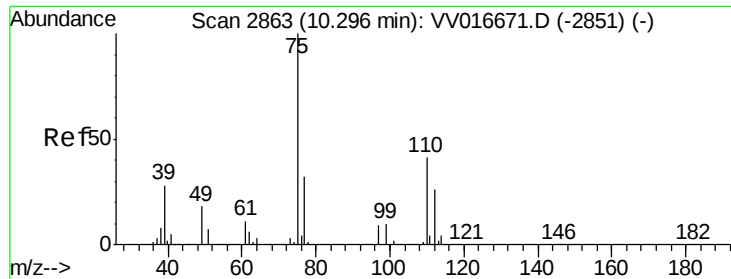


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 45.17 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

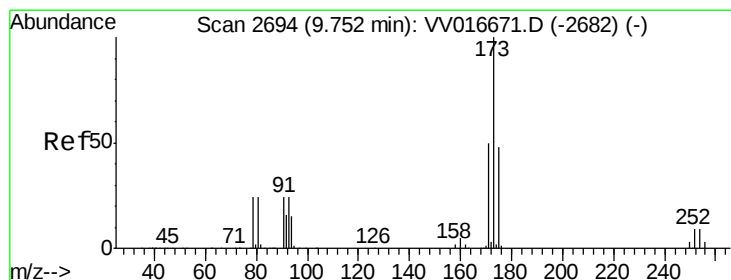
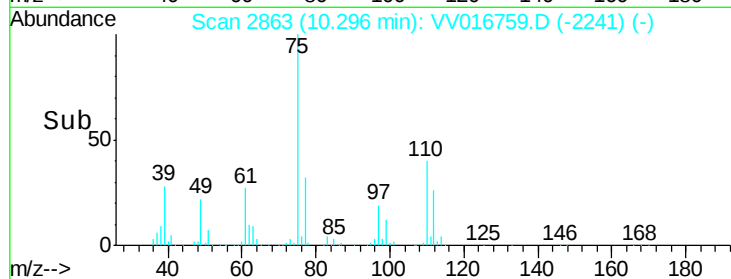
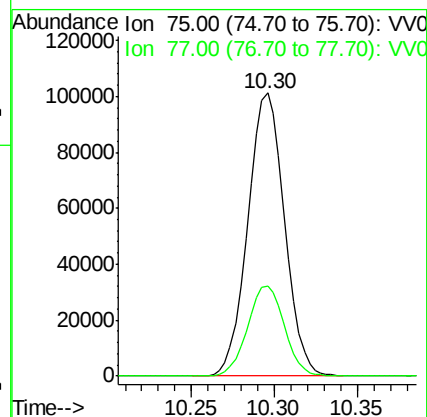
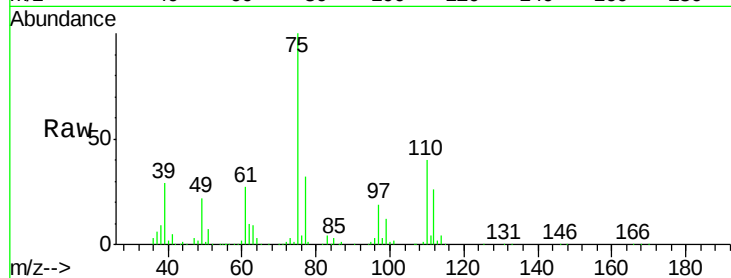
VSTD05078

Tgt Ion: 75 Resp: 155939

Ion Ratio Lower Upper

75 100

77 32.1 26.1 39.1



#61

Bromoform

Concen: 45.43 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

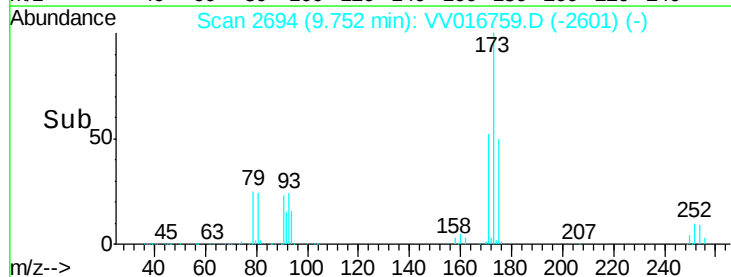
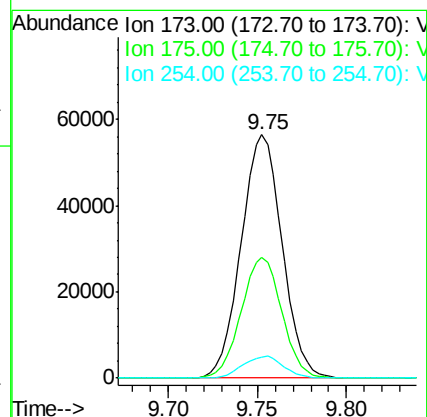
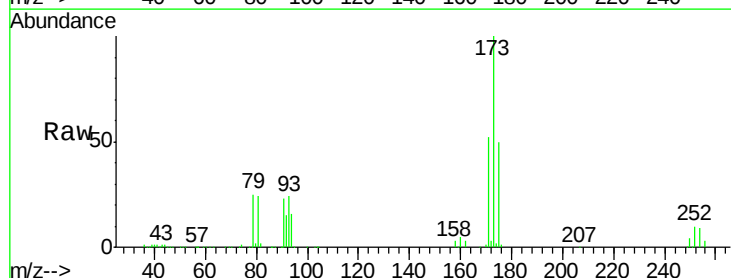
Tgt Ion: 173 Resp: 90777

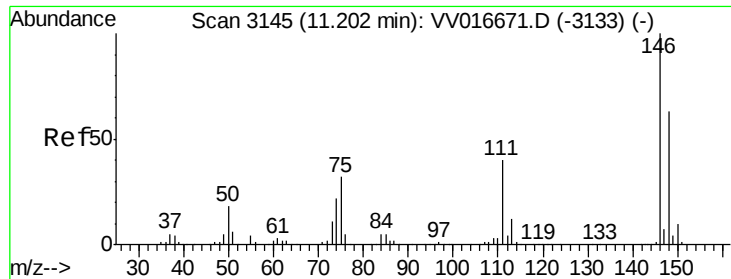
Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.4

254 9.0 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 43.83 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

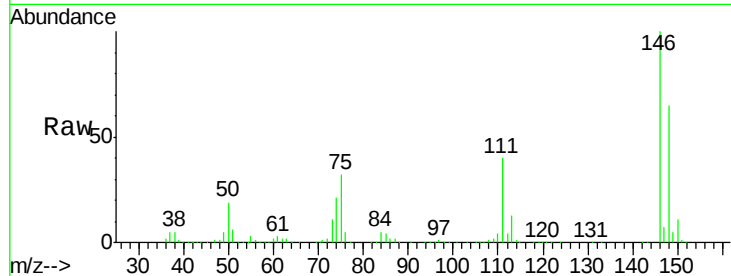
Tgt Ion:146 Resp: 269719

Ion Ratio Lower Upper

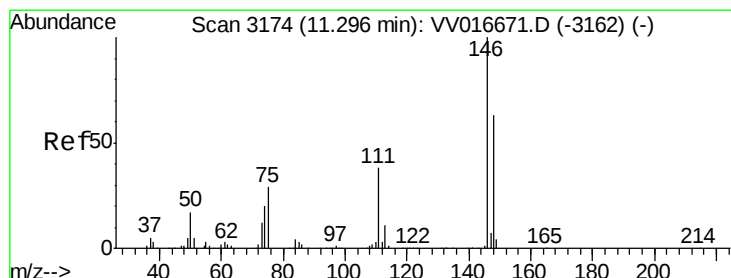
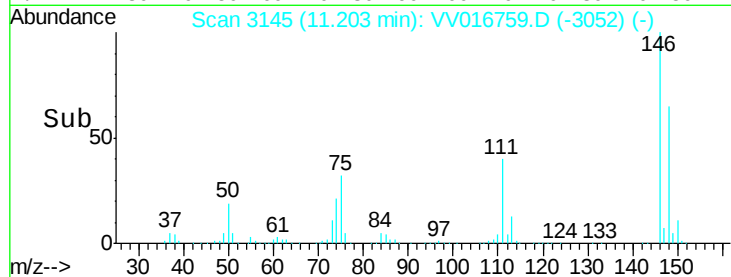
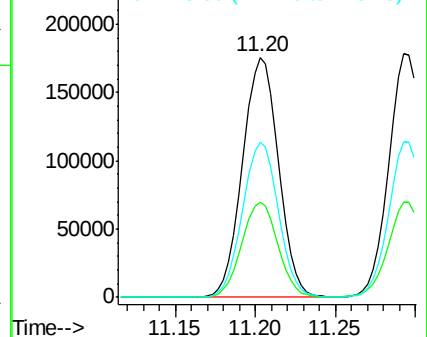
146 100

111 39.9 28.3 52.7

148 64.8 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 43.66 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

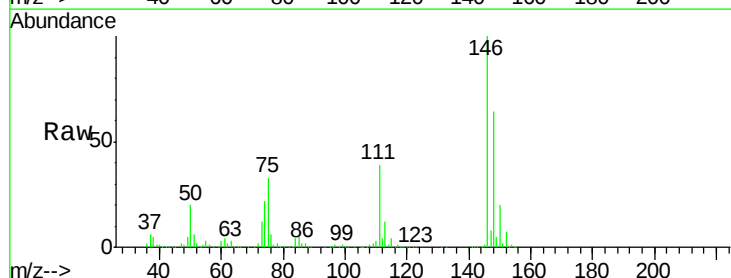
Tgt Ion:146 Resp: 273337

Ion Ratio Lower Upper

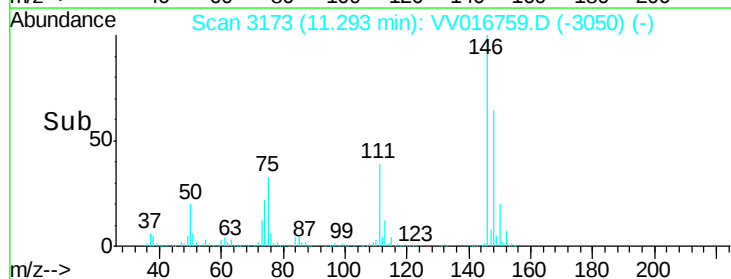
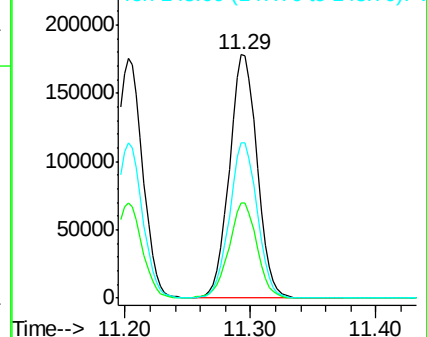
146 100

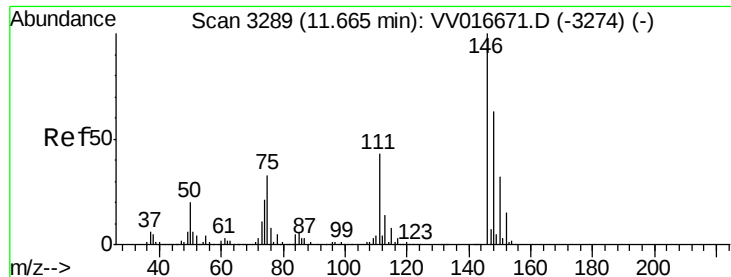
111 39.1 26.7 49.7

148 64.0 43.5 80.9



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

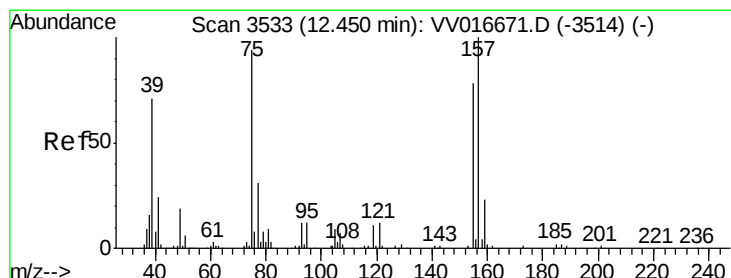
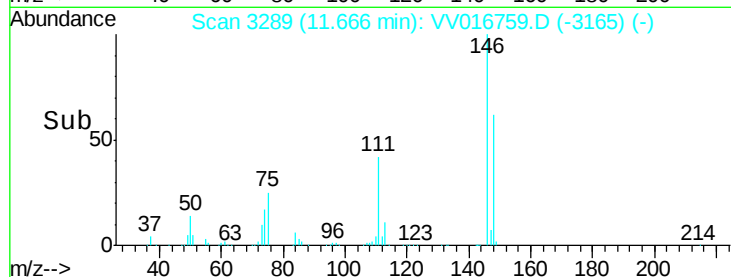
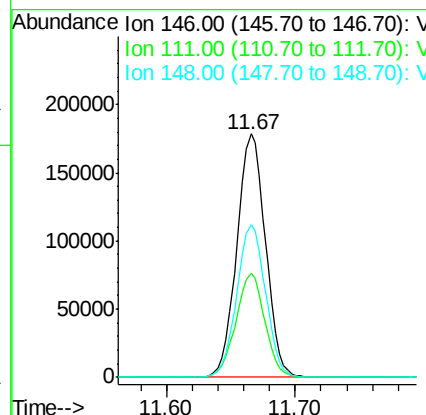
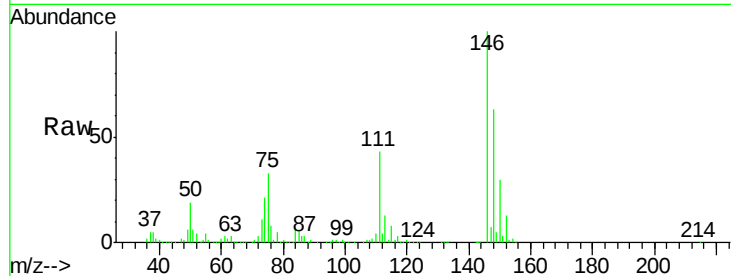




#65
 1,2-Dichlorobenzene
 Concen: 44.64 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016759.D
 Acq: 10 Jun 2020 10:45

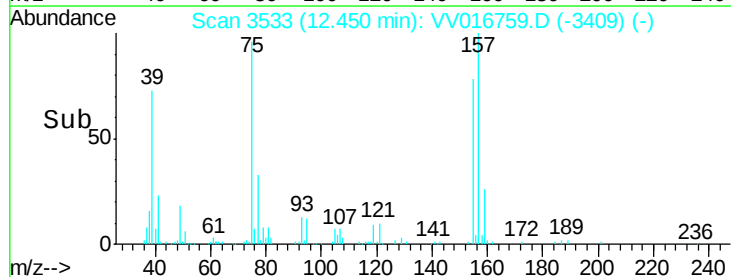
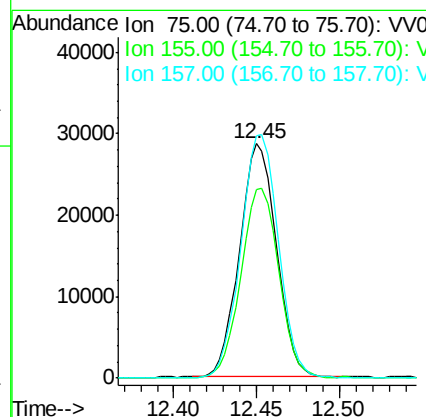
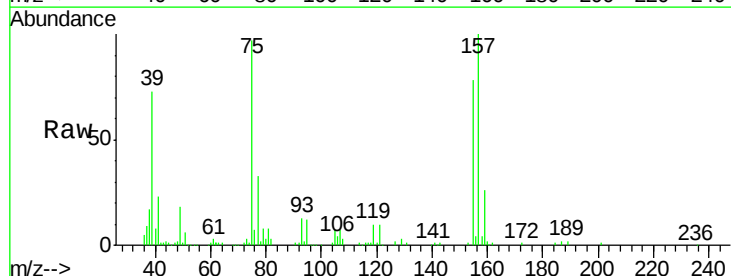
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

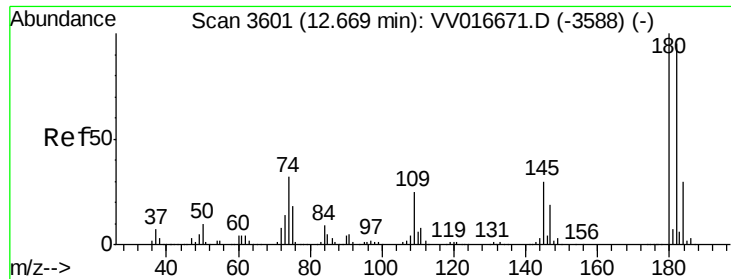
Tgt Ion: 146 Resp: 275261
 Ion Ratio Lower Upper
 146 100
 111 42.6 33.7 50.5
 148 62.6 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.89 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016759.D
 Acq: 10 Jun 2020 10:45

Tgt Ion: 75 Resp: 44496
 Ion Ratio Lower Upper
 75 100
 155 80.7 69.8 104.6
 157 103.3 83.4 125.2

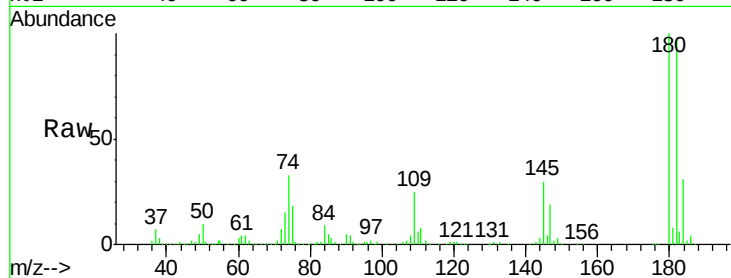




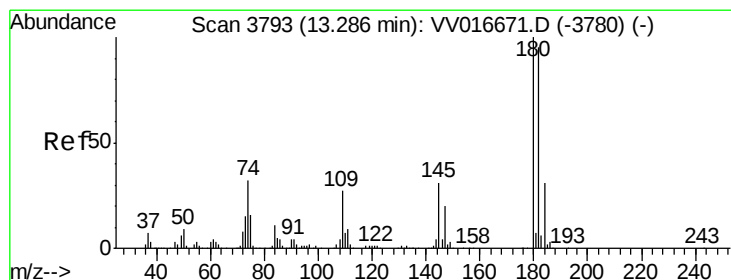
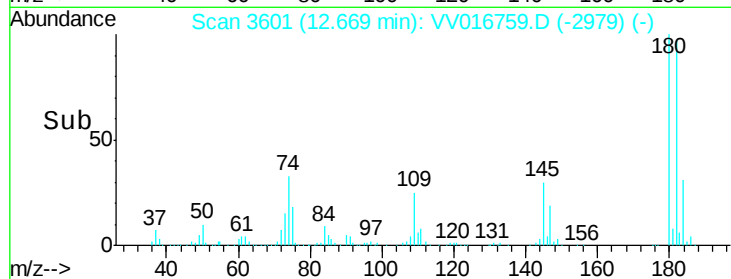
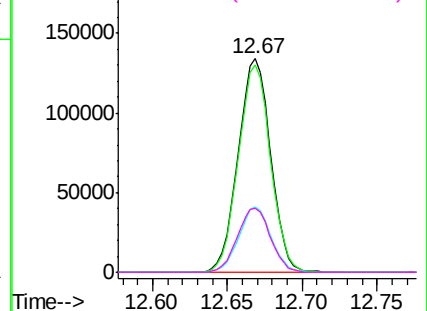
#67
 1,3,5-Trichlorobenzene
 Concen: 44.18 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016759.D
 Acq: 10 Jun 2020 10:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Tgt Ion:	180	Resp:	202707
Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.0	112.6
184	30.3	24.5	36.7
145	30.3	24.4	36.6

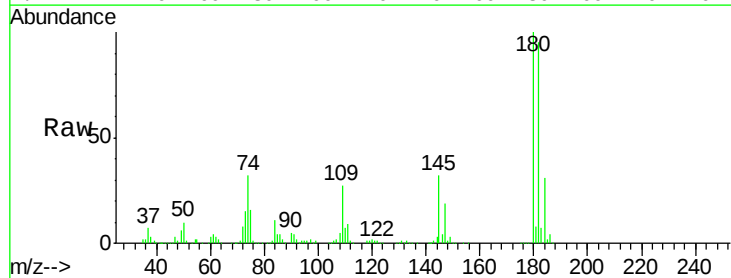


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

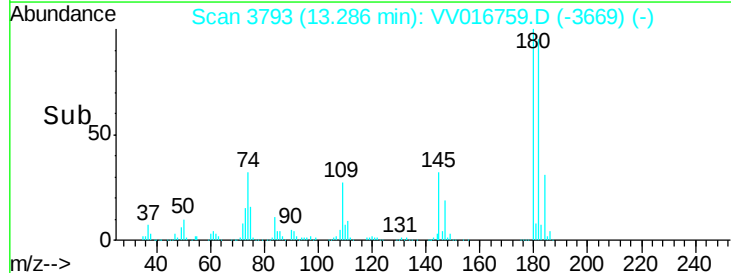
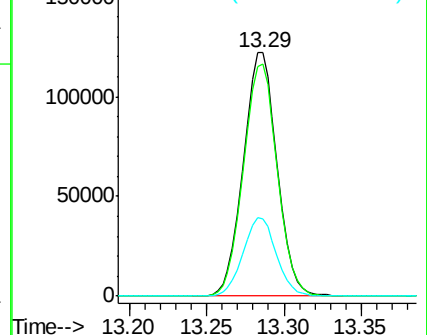


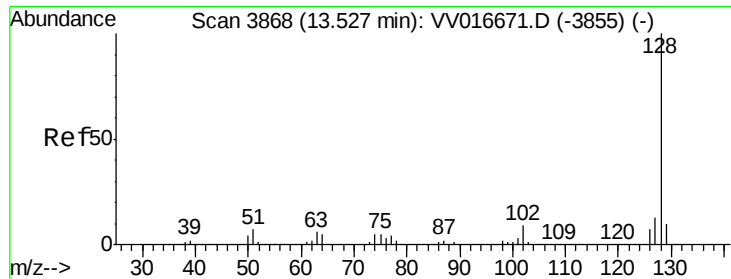
#68
 1,2,4-trichlorobenzene
 Concen: 43.93 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016759.D
 Acq: 10 Jun 2020 10:45

Tgt Ion:	180	Resp:	184892
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.9	115.3
145	31.9	25.2	37.8



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: 45.49 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

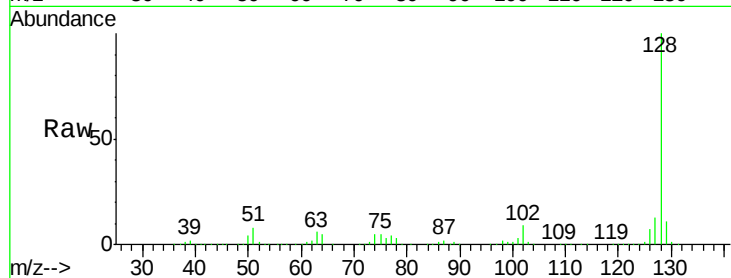
Tgt Ion:128 Resp: 550681

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

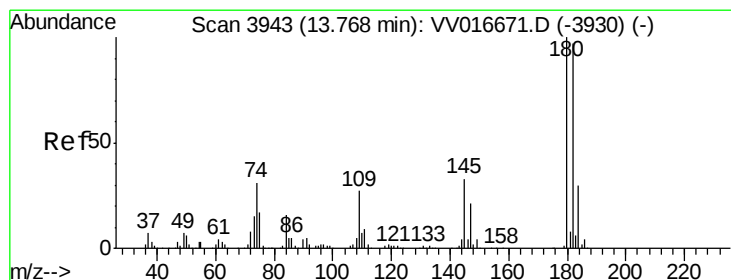
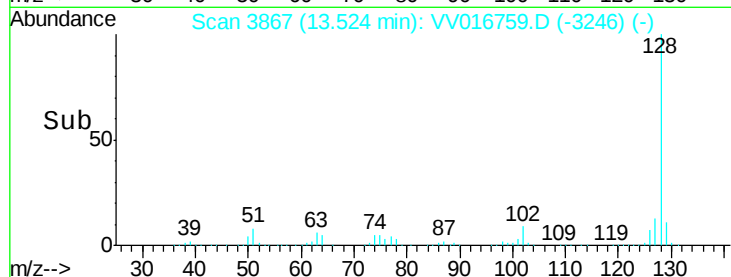
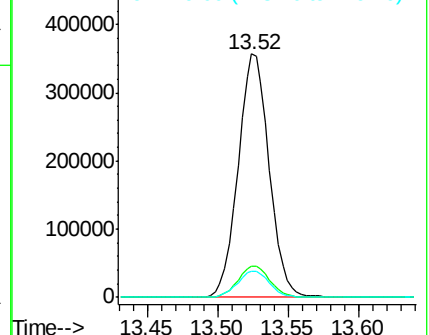
129 11.1 8.7 13.1



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: 43.29 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016759.D

Acq: 10 Jun 2020 10:45

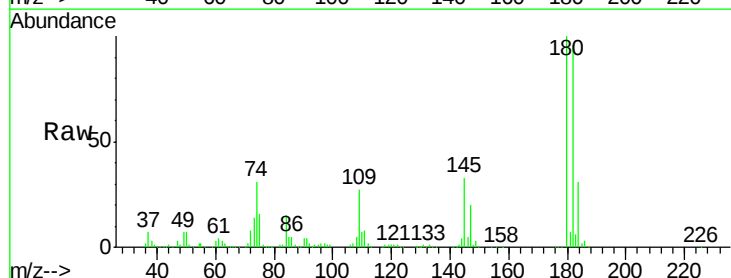
Tgt Ion:180 Resp: 178291

Ion Ratio Lower Upper

180 100

182 96.0 76.5 114.7

145 33.2 26.1 39.1



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

