

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061020\
 Data File : VV016810.D
 Acq On : 11 Jun 2020 07:55
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Quant Time: Jun 11 08:30:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 08:28:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	357430	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	341085	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	185566	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	114125	45.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.50%
7) Chloroethane-d5	1.55	69	74577	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.56%
11) 1,1-Dichloroethene-d2	2.12	63	193449	45.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.36%
21) 2-Butanone-d5	3.90	46	171936	92.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.11%
24) Chloroform-d	4.37	84	236782	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
26) 1,2-Dichloroethane-d4	5.05	65	162684	46.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.28%
32) Benzene-d6	5.07	84	445825	45.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.68%
36) 1,2-Dichloropropane-d6	6.09	67	136756	44.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.24%
41) Toluene-d8	7.34	98	415741	46.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.16%
43) trans-1,3-Dichloropropene-	7.64	79	67153	42.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.14%
47) 2-Hexanone-d5	8.11	63	116152	86.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.93%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	189116	46.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.22%
64) 1,2-Dichlorobenzene-d4	11.65	152	181763	45.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	130947	46.210	ug/L 99
3) Chloromethane	1.25	50	127038	49.022	ug/L 98
5) Vinyl chloride	1.32	62	114610	44.973	ug/L 98
6) Bromomethane	1.51	94	44179	41.624	ug/L 97
8) Chloroethane	1.58	64	60793	48.293	ug/L 97
9) Trichlorofluoromethane	1.75	101	177395	46.516	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	83077	43.717	ug/L 99
12) 1,1-Dichloroethene	2.13	96	78820	44.430	ug/L 98
13) Acetone	2.17	43	98140	79.794	ug/L 99
14) Carbon disulfide	2.30	76	275955	42.963	ug/L 100
15) Methyl Acetate	2.44	43	127762	46.606	ug/L 98
16) Methylene chloride	2.52	84	117514	45.142	ug/L 98
17) trans-1,2-Dichloroethene	2.77	96	110264	45.586	ug/L 95
18) Methyl tert-butyl Ether	2.78	73	375363	46.835	ug/L 99
19) 1,1-Dichloroethane	3.21	63	211549	46.464	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	125053	47.423	ug/L 99
22) 2-Butanone	3.98	43	177123	93.388	ug/L 100

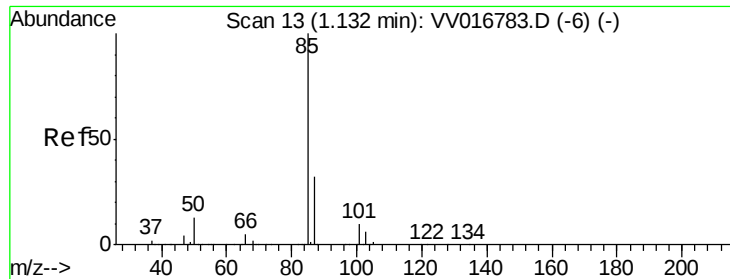
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061020\
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 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 08:28:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	64975	46.775	ug/L	98
25) Chloroform	4.40	83	220406	47.104	ug/L	96
27) 1,2-Dichloroethane	5.15	62	189122	48.216	ug/L	96
29) Cyclohexane	4.70	56	182607	43.083	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	202805	46.624	ug/L	99
31) Carbon tetrachloride	4.85	117	176673	46.950	ug/L	100
33) Benzene	5.12	78	459712	45.553	ug/L	100
34) Trichloroethene	5.94	95	123333	45.568	ug/L	98
35) Methylcyclohexane	6.15	83	179547	42.286	ug/L	99
37) 1,2-Dichloropropane	6.20	63	118116	45.006	ug/L	99
38) Bromodichloromethane	6.53	83	161412	46.202	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	171318	42.024	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	363682	97.793	ug/L	99
42) Toluene	7.41	91	491942	46.241	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	173545	43.788	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	117925	46.574	ug/L	98
46) Tetrachloroethene	8.00	164	97461	45.785	ug/L	95
48) 2-Hexanone	8.16	43	283206	98.216	ug/L	98
49) Dibromochloromethane	8.27	129	126075	46.569	ug/L	97
50) 1,2-Dibromoethane	8.37	107	122888	46.347	ug/L	100
51) Chlorobenzene	8.90	112	318504	45.888	ug/L	99
52) Ethylbenzene	9.03	91	544986	46.249	ug/L	100
53) m,p-Xylene	9.16	106	208321	47.481	ug/L	98
54) o-xylene	9.56	106	203705	47.077	ug/L	97
55) Styrene	9.58	104	351759	48.082	ug/L	99
56) Isopropylbenzene	9.95	105	550977	47.388	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	184937	47.638	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	156613	48.097	ug/L	99
61) Bromoform	9.75	173	86891	45.524	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	264058	44.927	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	268930	44.971	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	277271	47.074	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	42659	46.060	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	194130	44.294	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	181663	45.189	ug/L	98
69) Naphthalene	13.52	128	554115	47.919	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	181629	46.175	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 46.210 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV016810.D

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MSVOA_V

ClientSampleId :

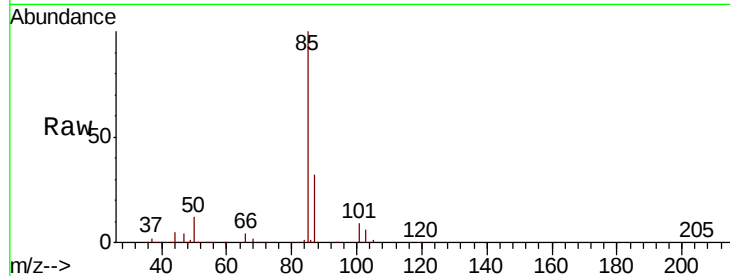
VSTD05081

Tot Ion: 85 Resp: 130947

Ion Ratio Lower Upper

85 100

87 32.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.13

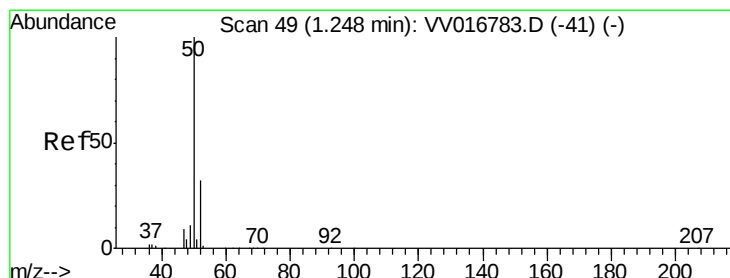
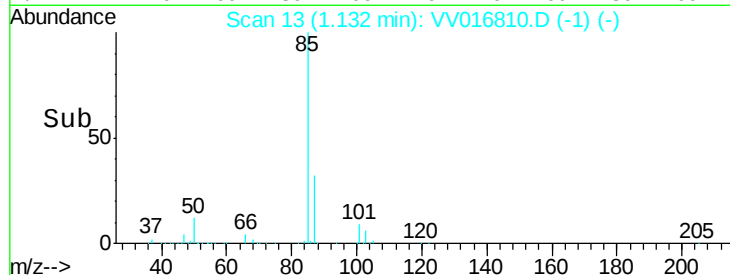
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 49.022 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016810.D

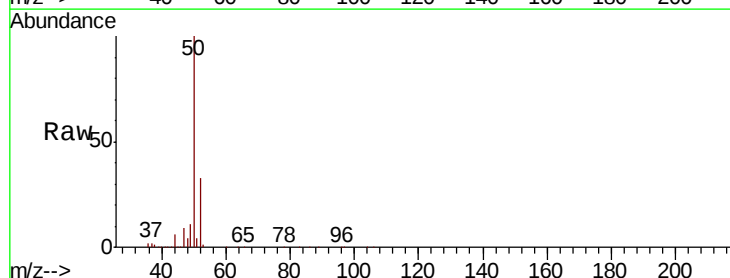
Acq: 11 Jun 2020 07:55

Tgt Ion: 50 Resp: 127038

Ion Ratio Lower Upper

50 100

52 33.0 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

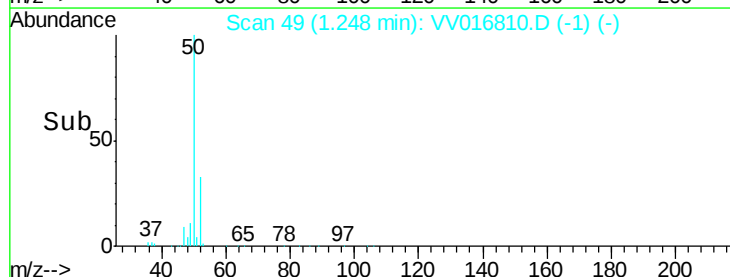
1.25

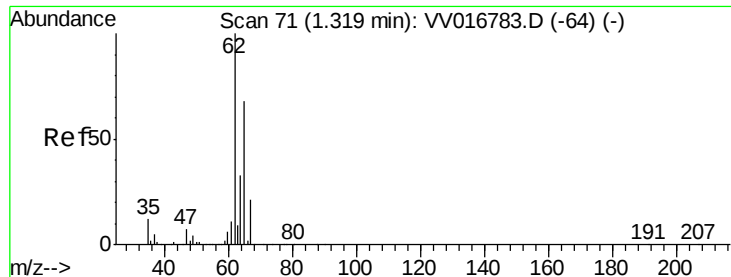
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 44.973 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :

MSVOA_V

ClientSampleId :

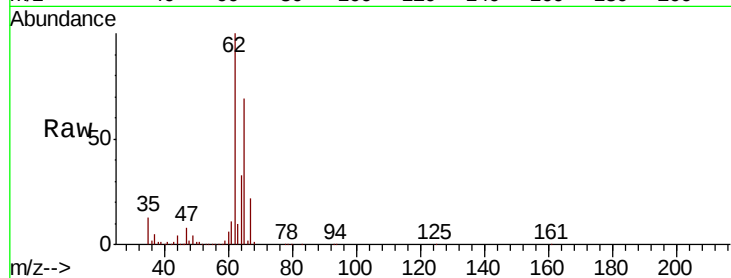
VSTD05081

Tot Ion: 62 Resp: 114610

Ion Ratio Lower Upper

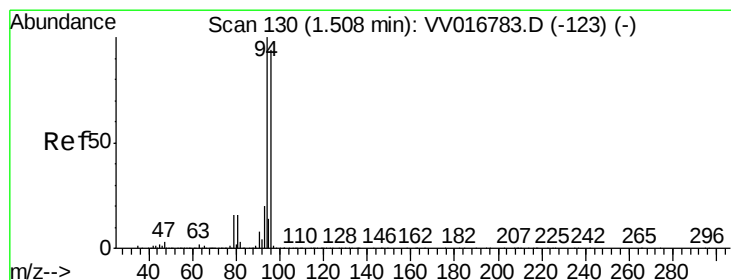
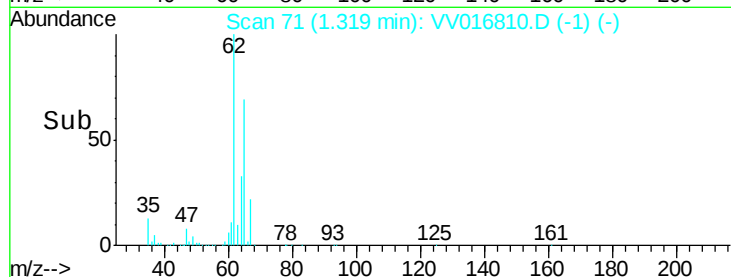
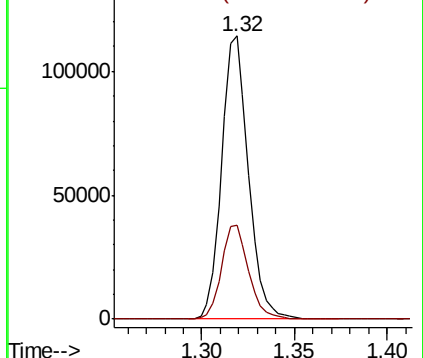
62 100

64 33.2 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: 41.624 ug/L

RT: 1.51 min Scan# 130

Delta R.T. 0.00 min

Lab File: VV016810.D

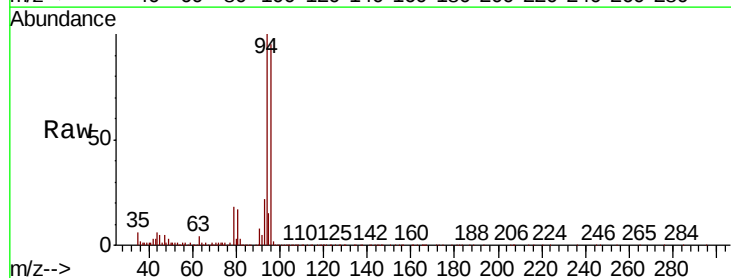
Acq: 11 Jun 2020 07:55

Tgt Ion: 94 Resp: 44179

Ion Ratio Lower Upper

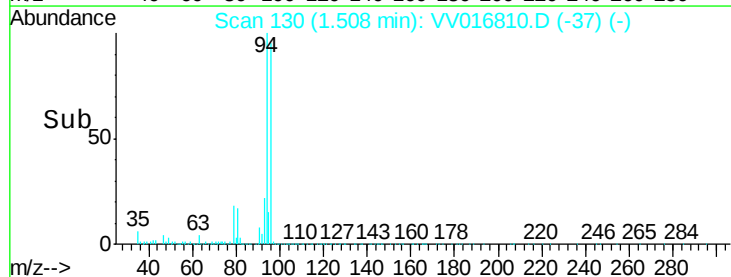
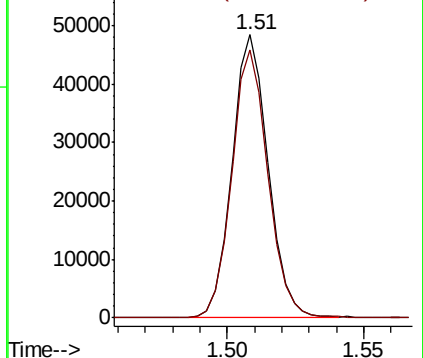
94 100

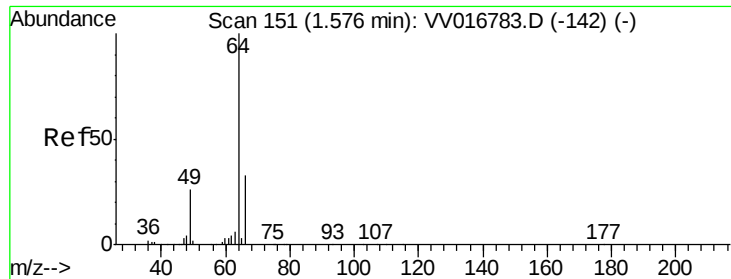
96 94.7 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 48.293 ug/L

RT: 1.58 min Scan# 151

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :

MSVOA_V

ClientSampleId :

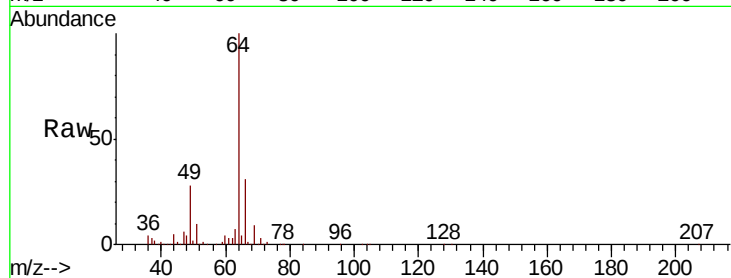
VSTD05081

Tot Ion: 64 Resp: 60793

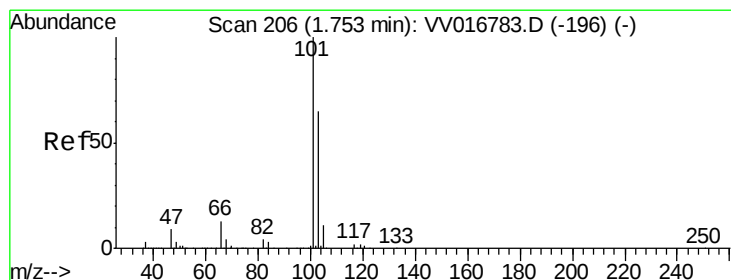
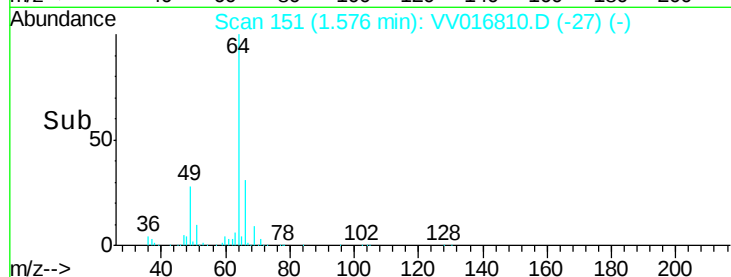
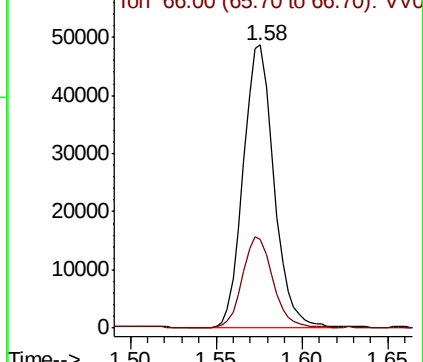
Ion Ratio Lower Upper

64 100

66 31.2 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV016810.D (-142) (-)



#9

Trichlorofluoromethane

Concen: 46.516 ug/L

RT: 1.75 min Scan# 206

Delta R.T. 0.00 min

Lab File: VV016810.D

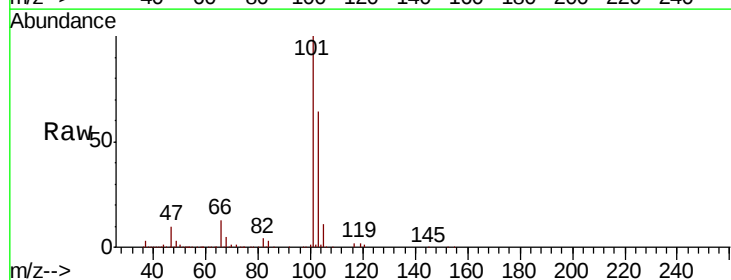
Acq: 11 Jun 2020 07:55

Tgt Ion: 101 Resp: 177395

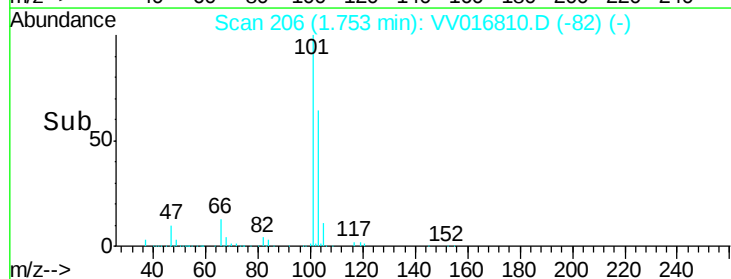
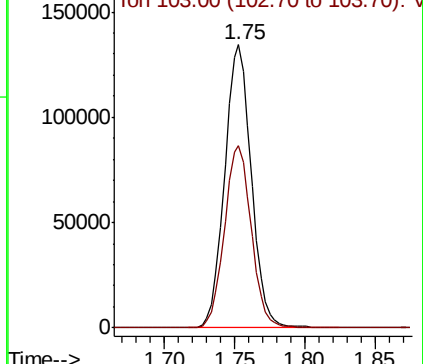
Ion Ratio Lower Upper

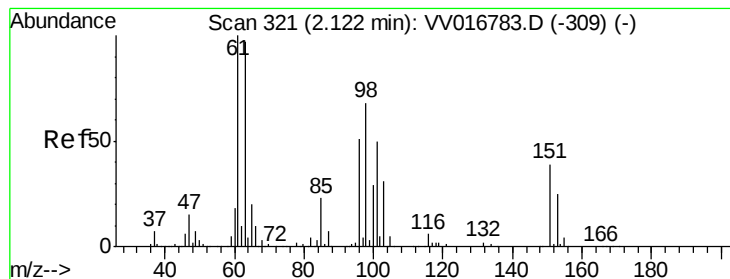
101 100

103 64.9 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV016810.D (-196) (-)





#10

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

Concen: 43.717 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

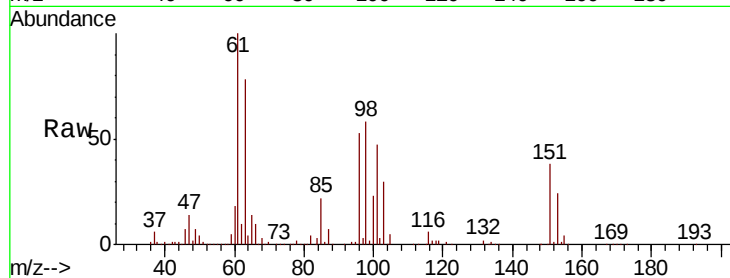
Tot Ion:101 Resp: 83077

Ion Ratio Lower Upper

101 100

85 45.6 35.5 53.3

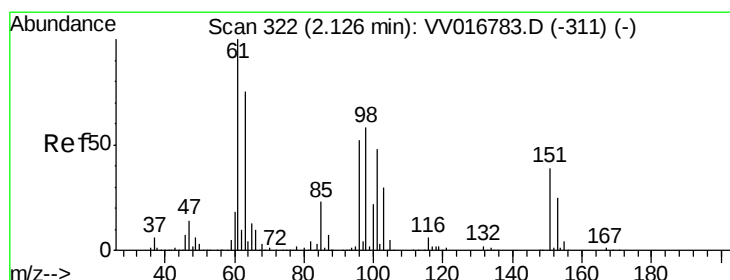
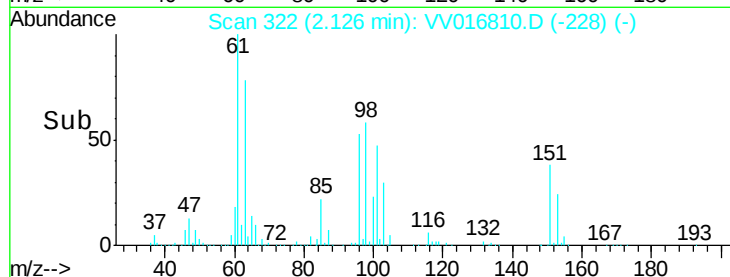
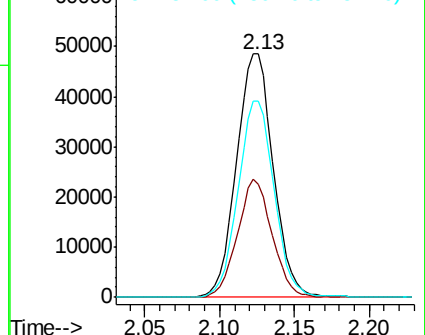
151 79.1 63.9 95.9



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: 44.430 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

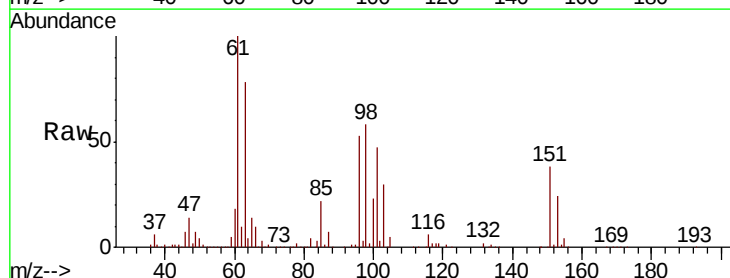
Tgt Ion: 96 Resp: 78820

Ion Ratio Lower Upper

96 100

61 190.4 130.4 242.2

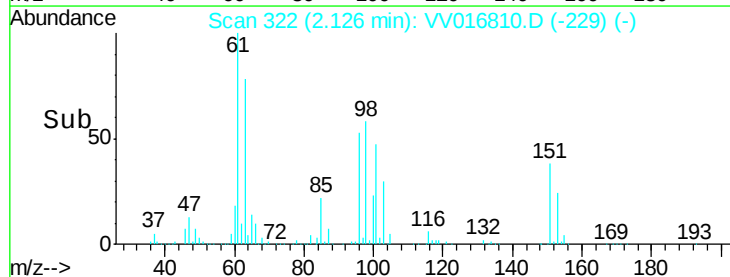
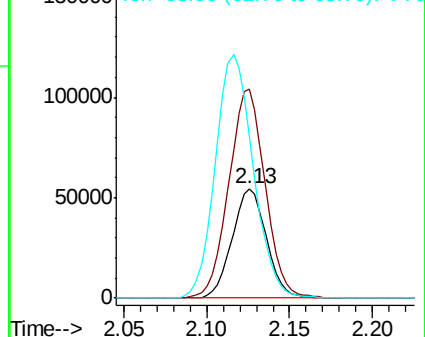
63 147.8 103.3 191.9

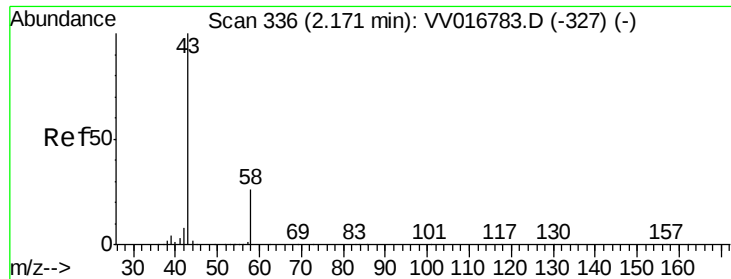


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 79.794 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :

MSVOA_V

ClientSampleId :

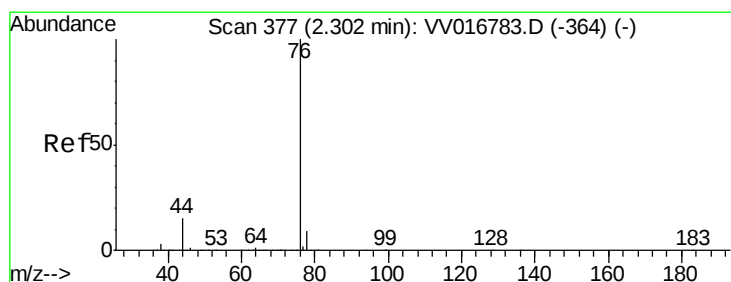
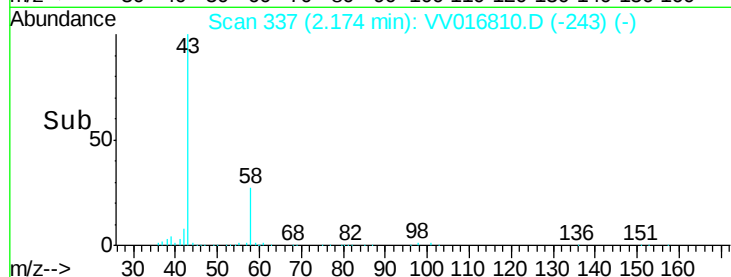
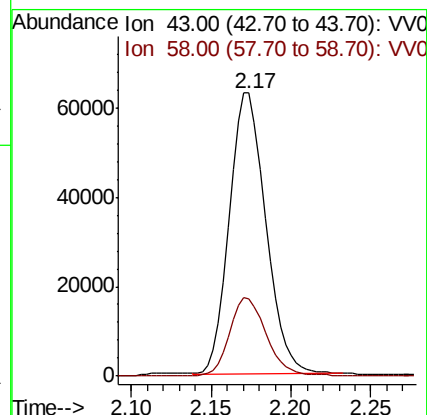
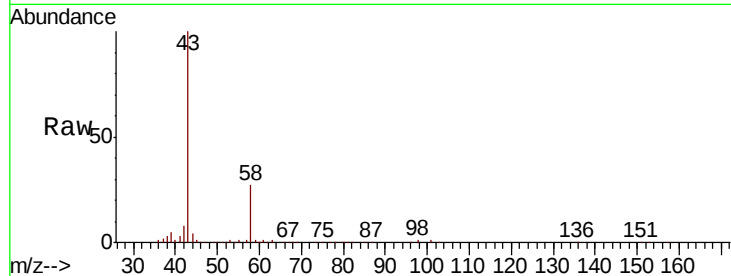
VSTD05081

Tot Ion: 43 Resp: 98140

Ion Ratio Lower Upper

43 100

58 28.3 0.0 55.2



#14

Carbon disulfide

Concen: 42.963 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV016810.D

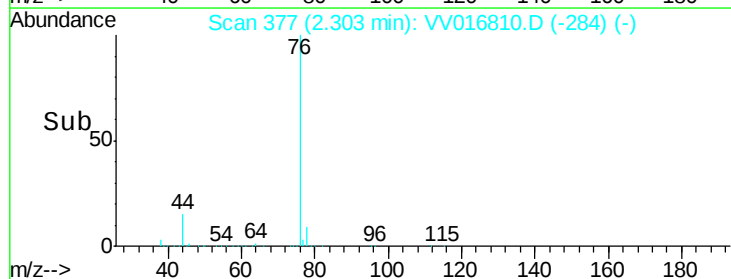
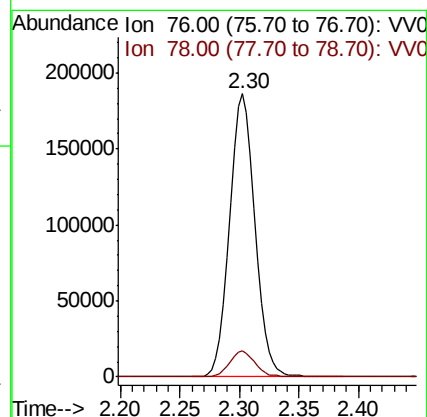
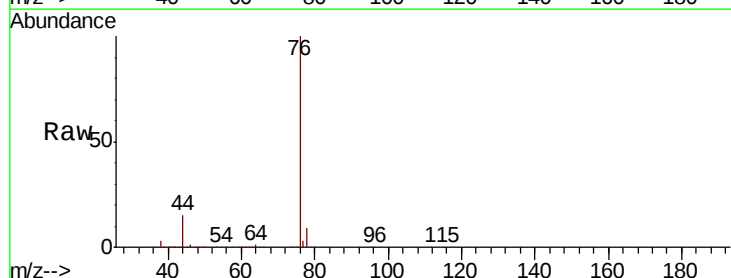
Acq: 11 Jun 2020 07:55

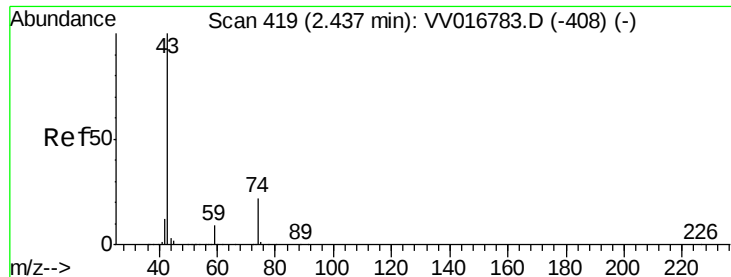
Tgt Ion: 76 Resp: 275955

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#15

Methvl Acetate

Concen: 46.606 ug/L

RT: 2.44 min Scan# 419

Delta R.T. 0.00 min

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Acq: 11 Jun 2020 07:55

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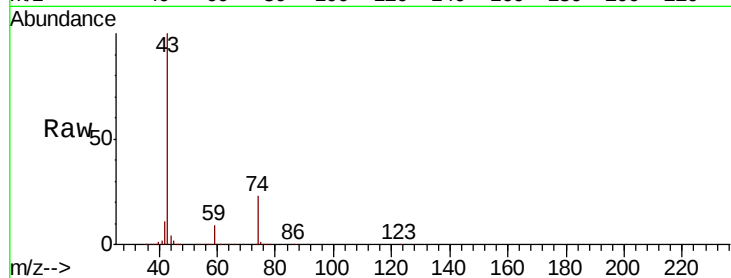
VSTD05081

Tot Ion: 43 Resp: 127762

Ion Ratio Lower Upper

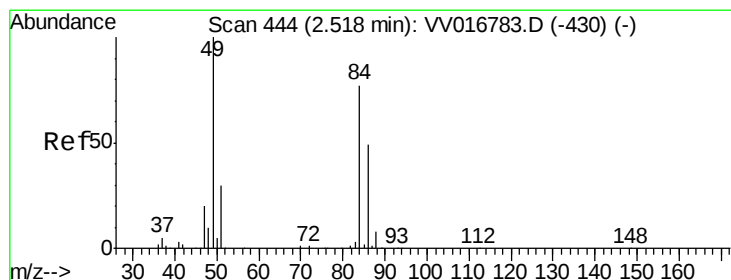
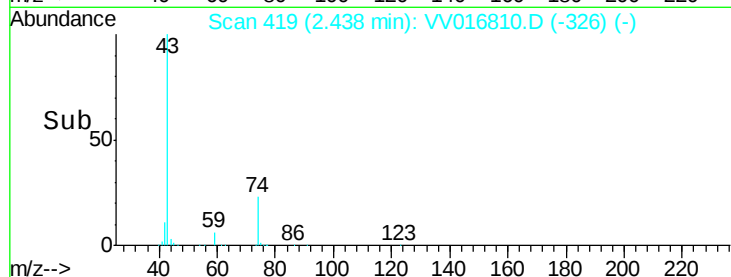
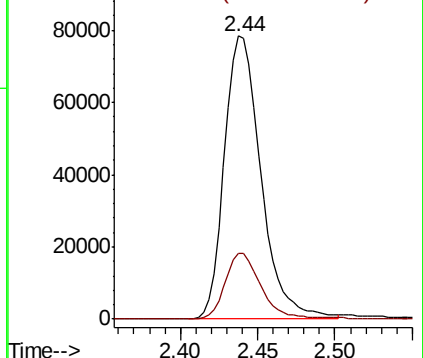
43 100

74 23.1 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: 45.142 ug/L

RT: 2.52 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

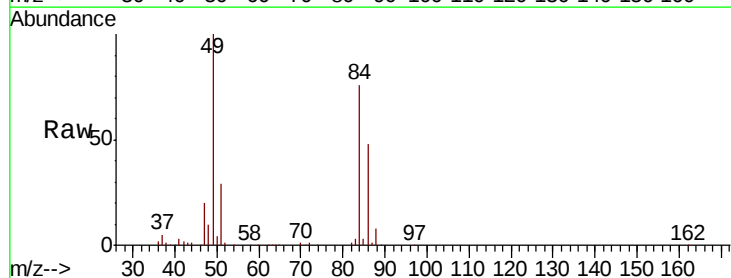
Tgt Ion: 84 Resp: 117514

Ion Ratio Lower Upper

84 100

86 63.6 44.0 81.8

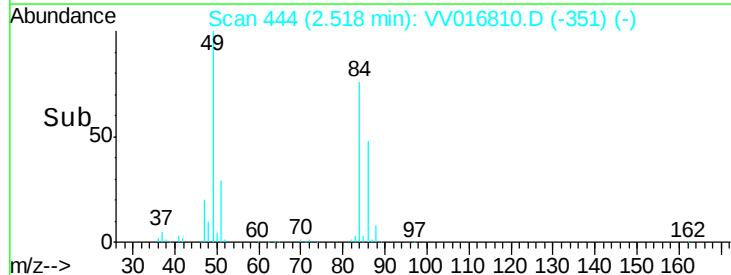
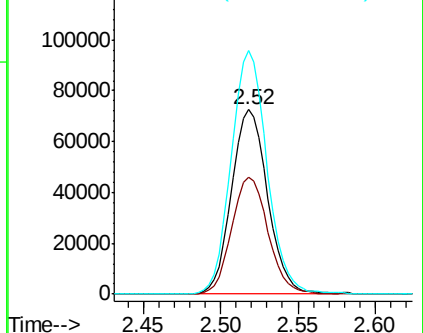
49 132.1 90.9 168.9

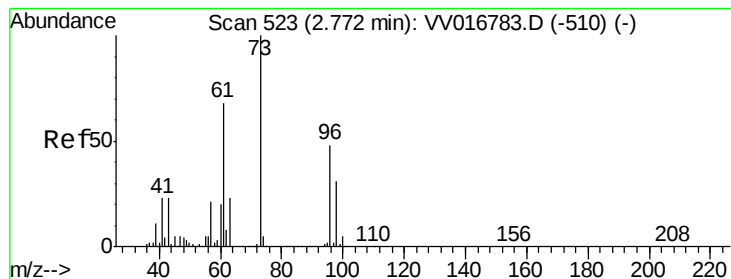


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 45.586 ug/L

RT: 2.77 min Scan# 523

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

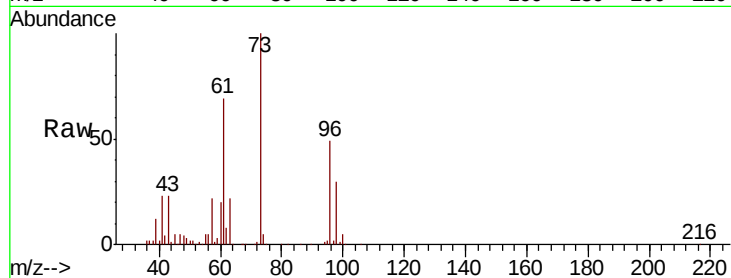
Tot Ion: 96 Resp: 110264

Ion Ratio Lower Upper

96 100

61 141.3 102.9 191.1

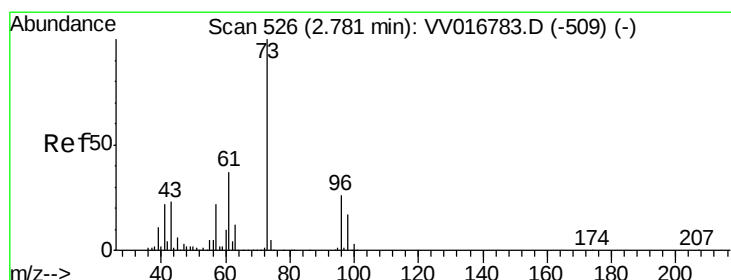
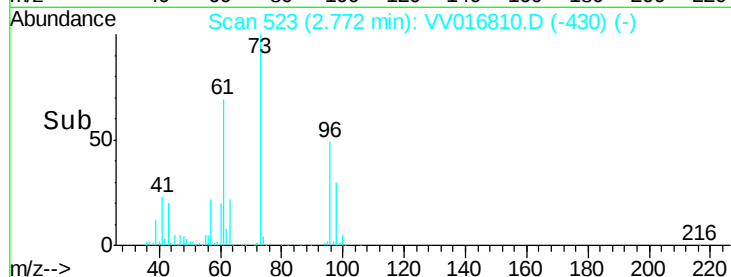
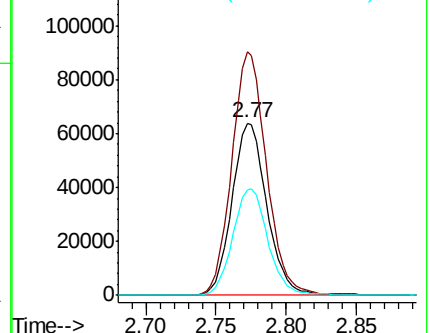
98 61.3 45.5 84.5



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: 46.835 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

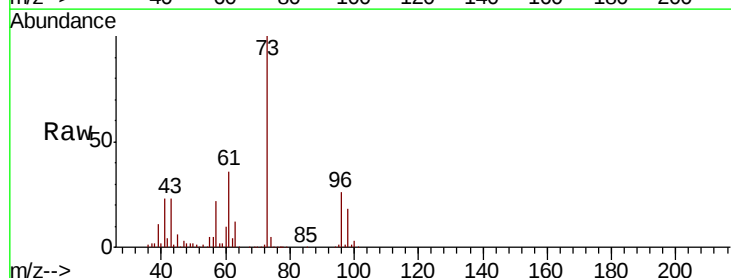
Tgt Ion: 73 Resp: 375363

Ion Ratio Lower Upper

73 100

43 23.2 17.8 26.6

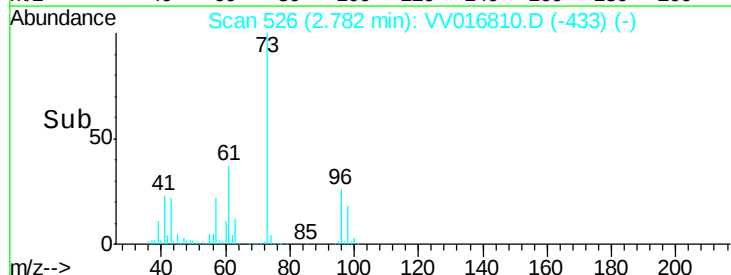
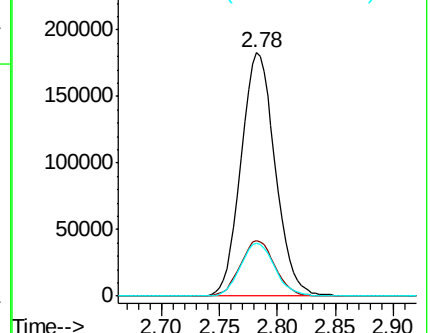
57 21.9 17.7 26.5

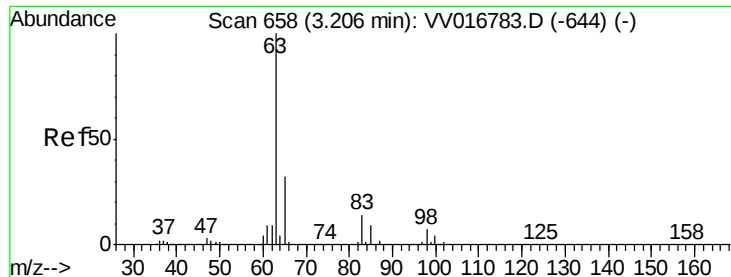


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

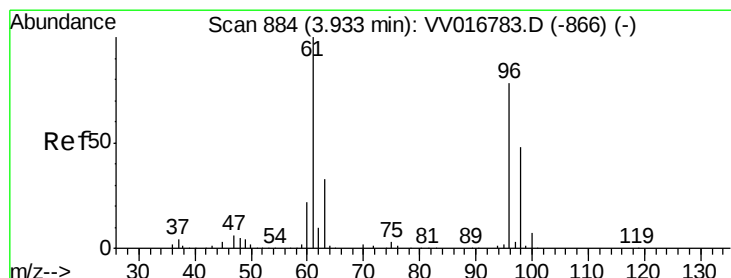
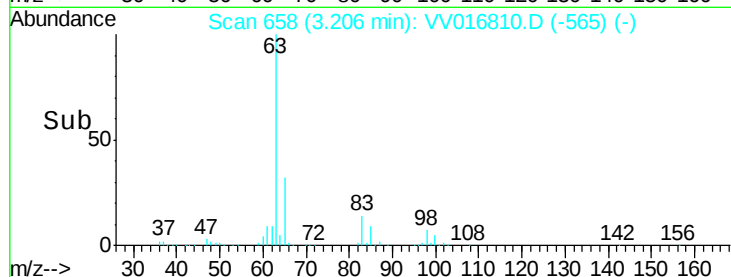
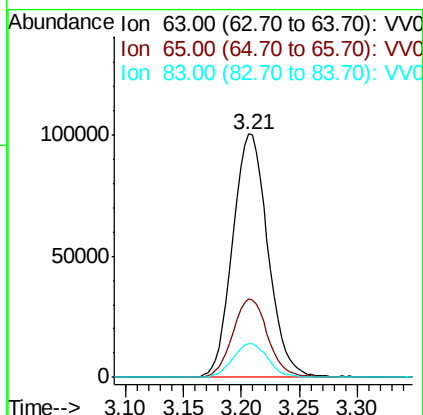
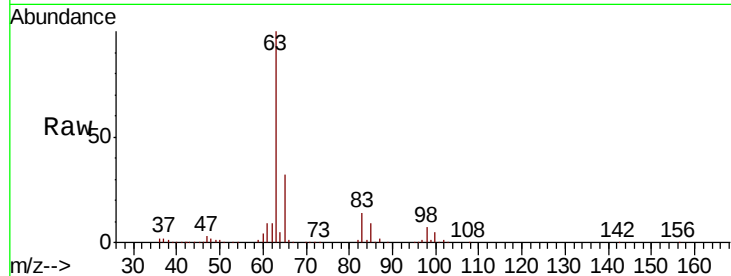




#19
 1,1-Dichloroethane
 Concen: 46.464 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VV016810.D
 Acq: 11 Jun 2020 07:55

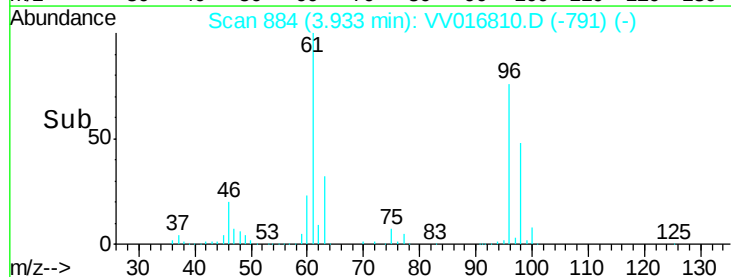
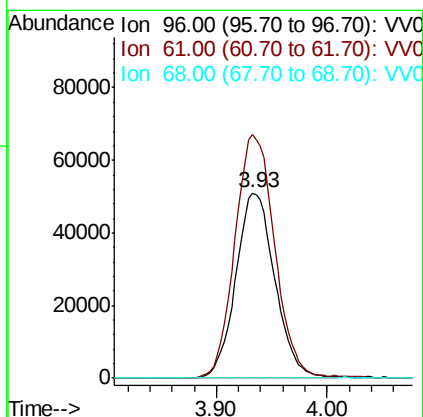
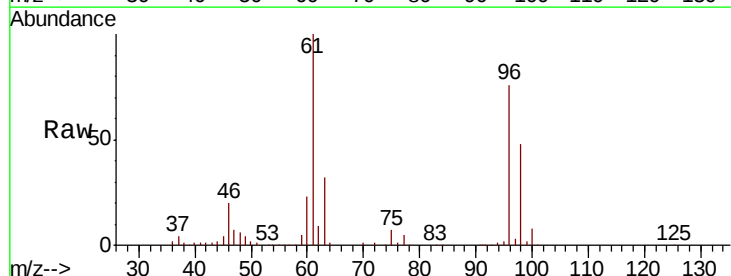
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

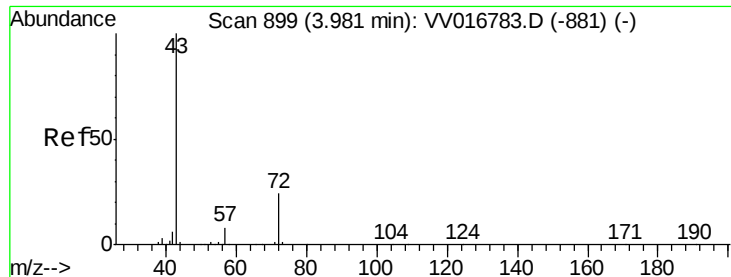
Tot Ion	63	Resp	211549
Ion Ratio	Lower	Upper	
63	100		
65	32.4	23.2	43.0
83	14.0	10.0	18.6



#20
 cis-1,2-Dichloroethene
 Concen: 47.423 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: VV016810.D
 Acq: 11 Jun 2020 07:55

Tgt Ion	96	Resp	125053
Ion Ratio	Lower	Upper	
96	100		
61	131.7	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 93.388 ug/L

RT: 3.98 min Scan# 899

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :

MSVOA_V

ClientSampleId :

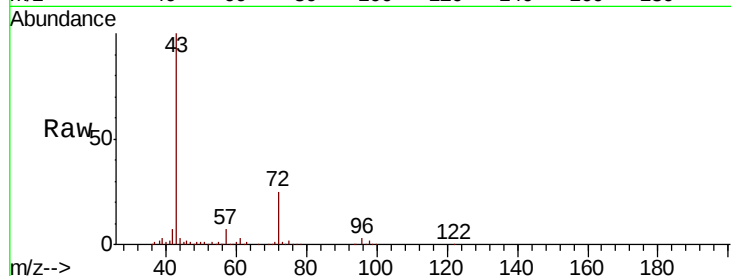
VSTD05081

Tot Ion: 43 Resp: 177123

Ion Ratio Lower Upper

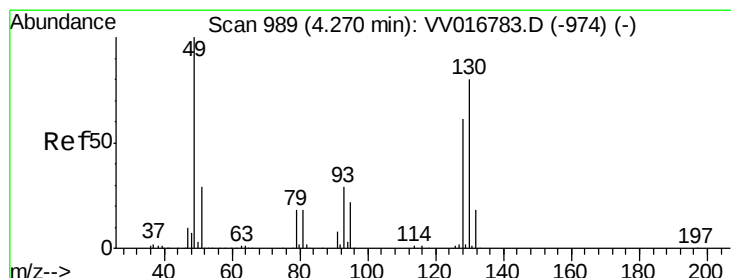
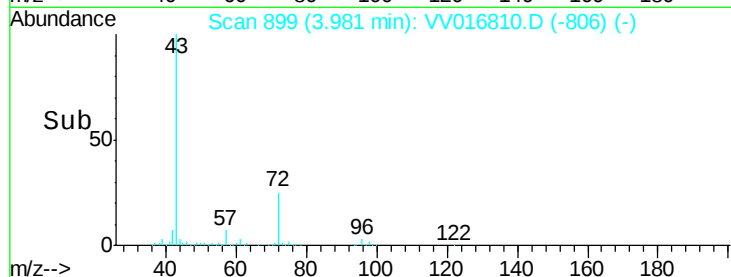
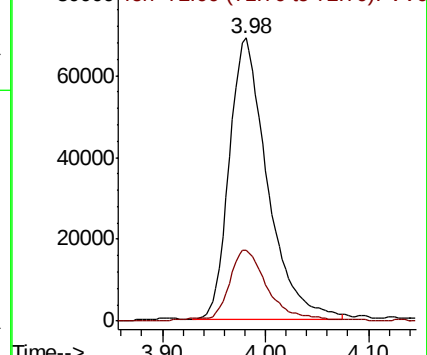
43 100

72 25.0 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV016810.D (-806) (-)

Ion 72.00 (71.70 to 72.70): VV016810.D (-806) (-)



#23

Bromochloromethane

Concen: 46.775 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Tgt Ion: 128 Resp: 64975

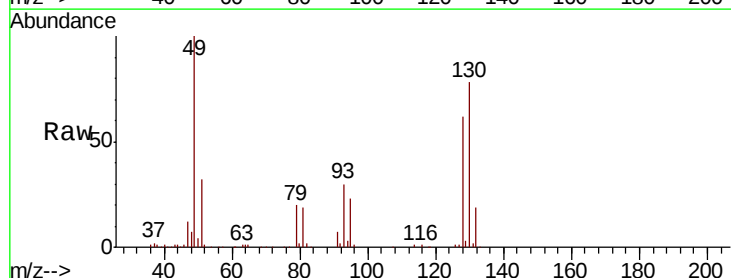
Ion Ratio Lower Upper

128 100

49 162.4 111.9 207.9

130 126.6 91.5 169.9

51 51.6 42.1 63.1

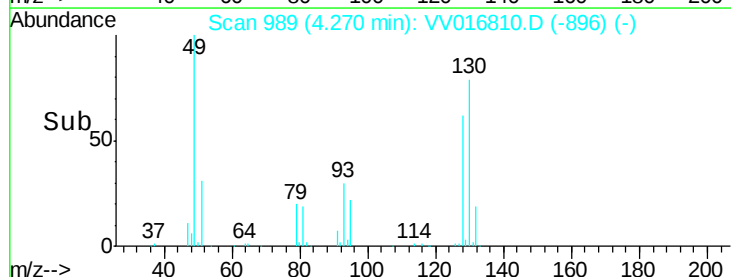
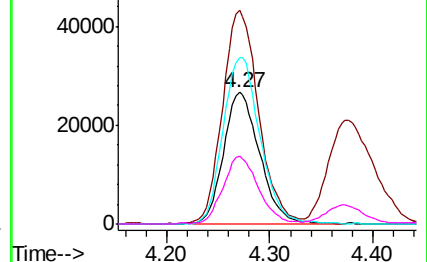


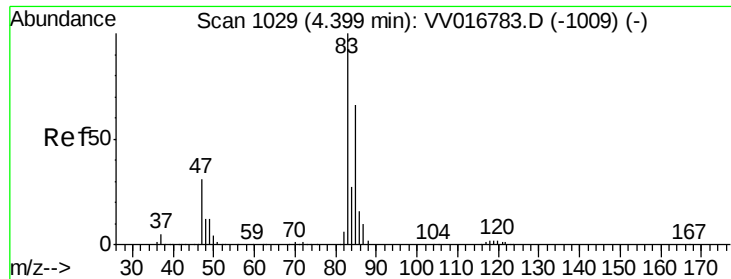
Abundance Ion 128.00 (127.70 to 128.70): VV016810.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV016810.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV016810.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV016810.D (-896) (-)





#25

Chloroform

Concen: 47.104 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :

MSVOA_V

ClientSampleId :

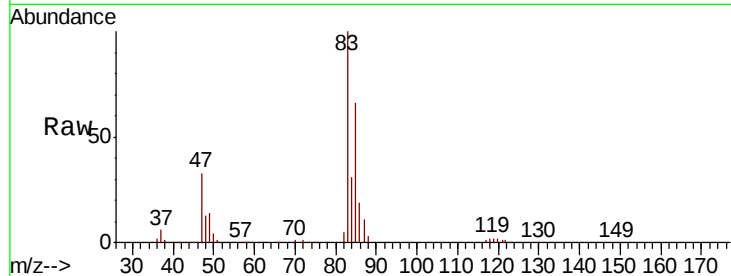
VSTD05081

Tot Ion: 83 Resp: 220406

Ion Ratio Lower Upper

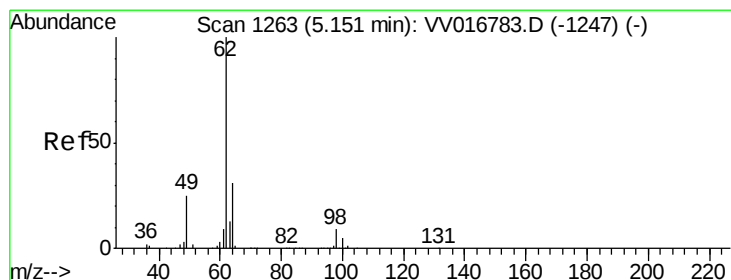
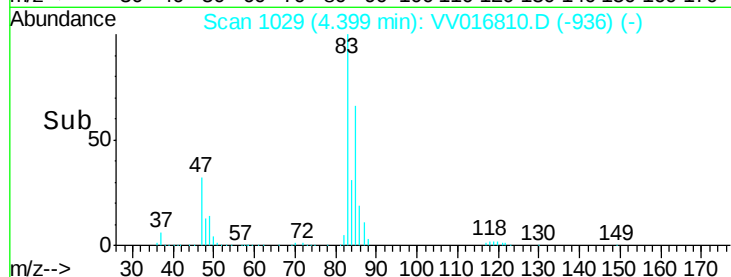
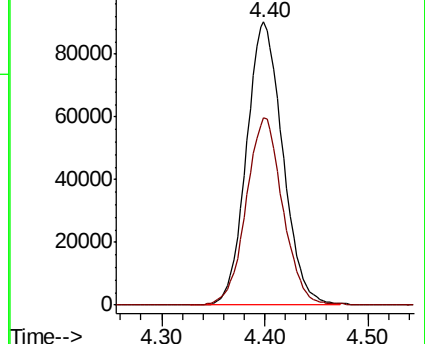
83 100

85 66.0 44.1 81.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 48.216 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV016810.D

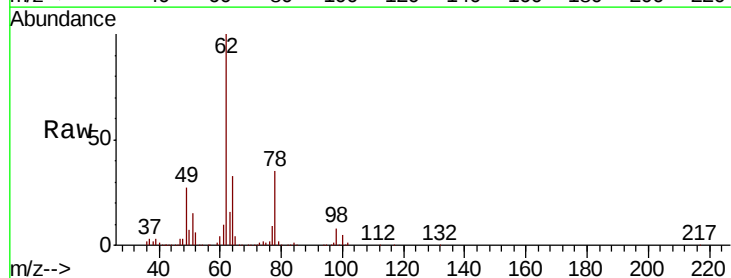
Acq: 11 Jun 2020 07:55

Tgt Ion: 62 Resp: 189122

Ion Ratio Lower Upper

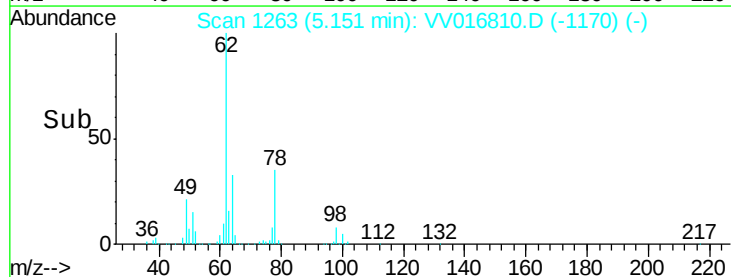
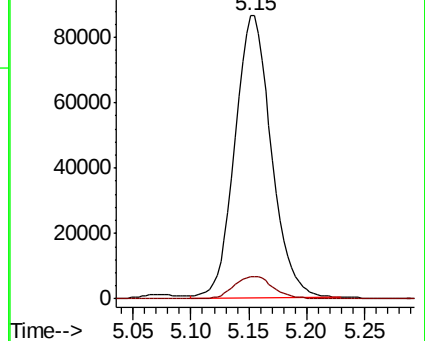
62 100

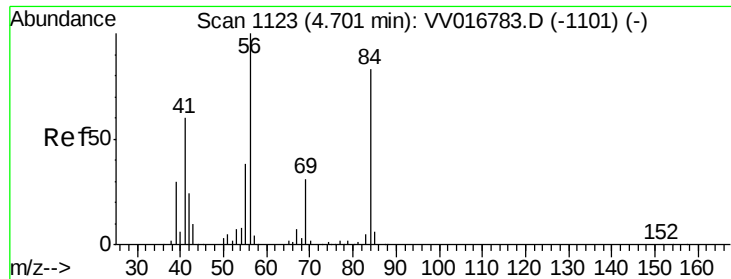
98 8.0 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

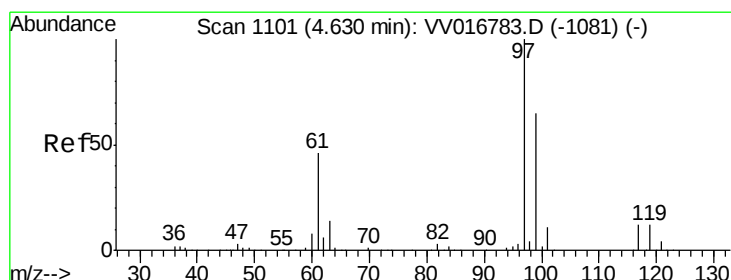
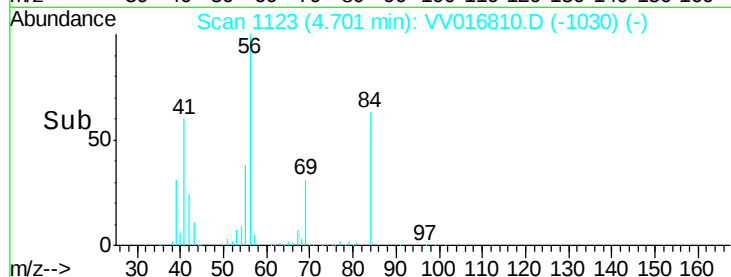
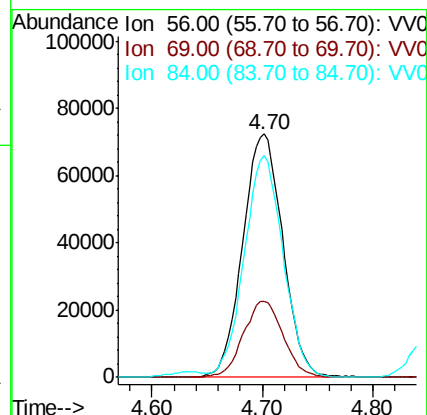
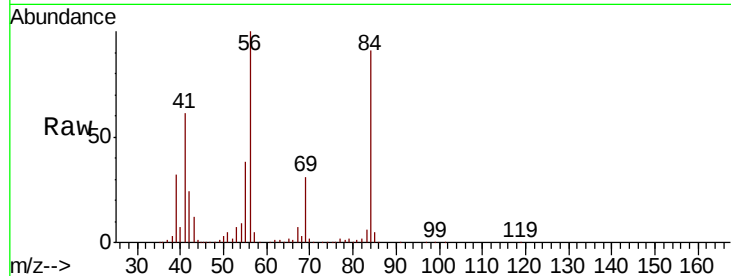




#29
Cyclohexane
Concen: 43.083 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV016810.D
Acq: 11 Jun 2020 07:55

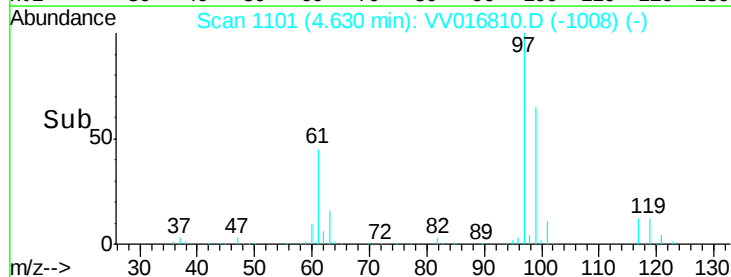
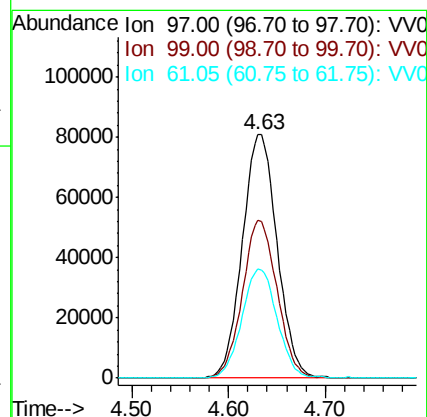
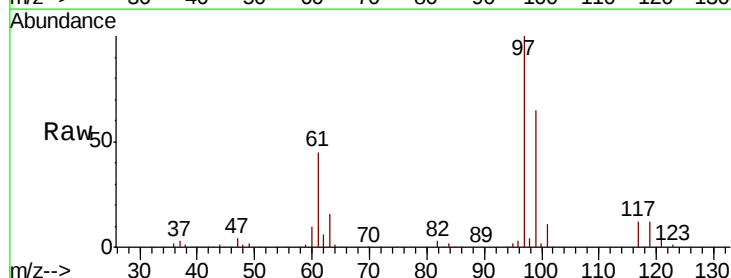
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

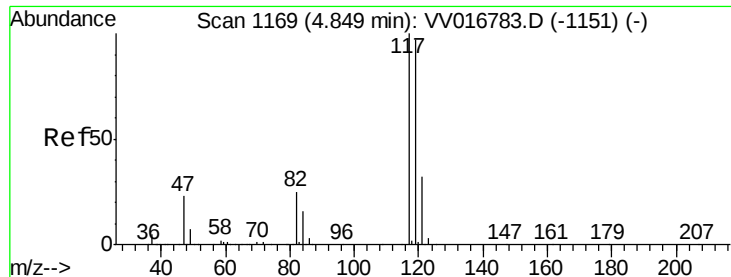
Tot Ion: 56 Resp: 182607
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.4
84 88.1 69.5 104.3



#30
1,1,1-Trichloroethane
Concen: 46.624 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV016810.D
Acq: 11 Jun 2020 07:55

Tgt Ion: 97 Resp: 202805
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 45.2 36.7 55.1





#31

Carbon tetrachloride

Concen: 46.950 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :

MSVOA_V

ClientSampleId :

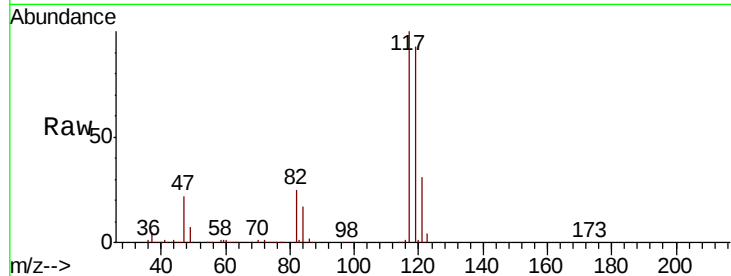
VSTD05081

Tot Ion:117 Resp: 176673

Ion Ratio Lower Upper

117 100

119 96.5 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

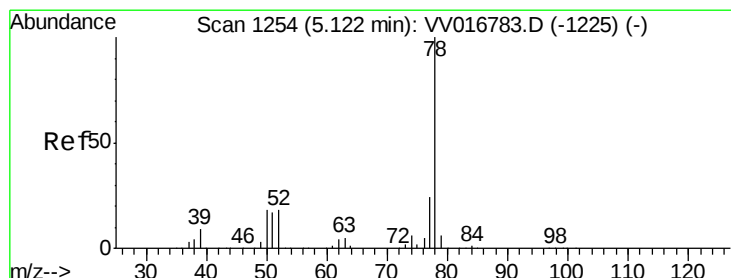
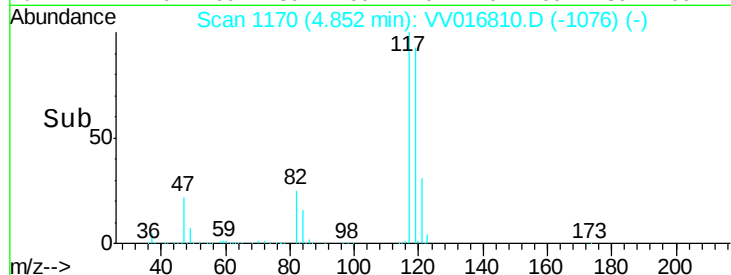
4.80

4.85

4.90

5.00

Time-->



#33

Benzene

Concen: 45.553 ug/L

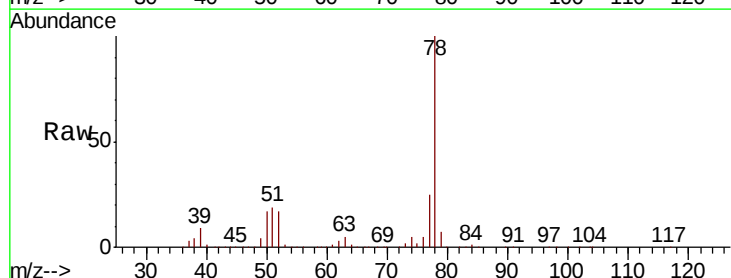
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Tgt Ion: 78 Resp: 459712



Abundance Ion 78.00 (77.70 to 78.70): VV0

250000

200000

150000

100000

50000

0

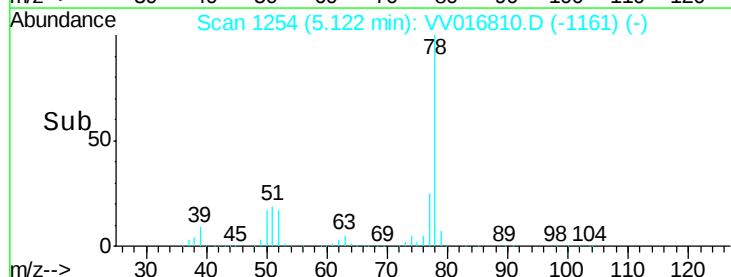
5.00

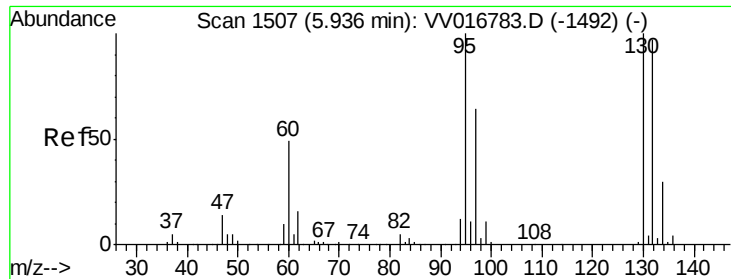
5.10

5.12

5.20

Time-->

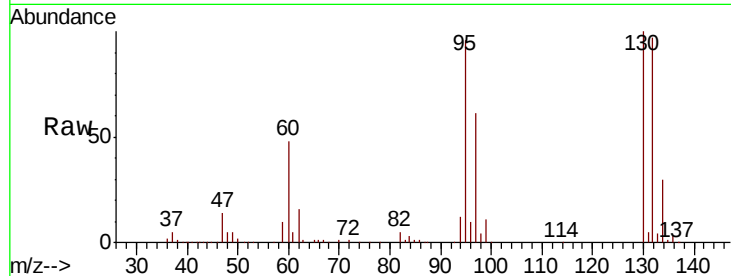




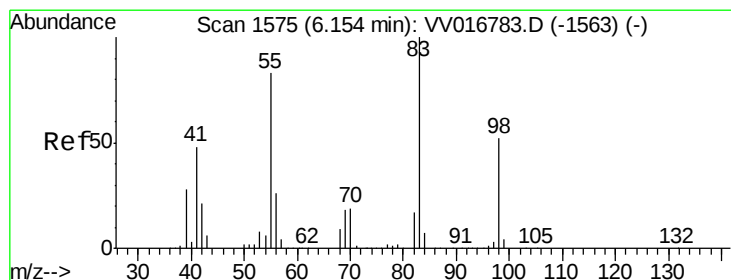
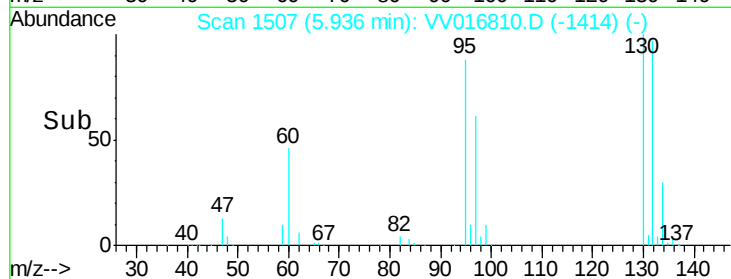
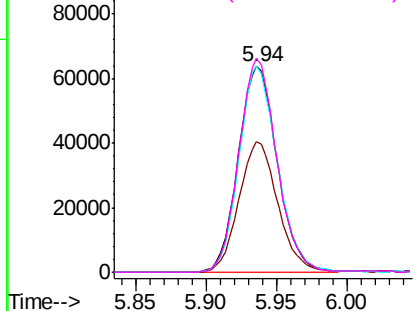
#34
 Trichloroethene
 Concen: 45.568 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016810.D
 Acq: 11 Jun 2020 07:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Tot Ion: 95 Resp: 123333
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.3 82.3
 132 100.5 67.9 126.1
 130 103.9 72.2 134.2

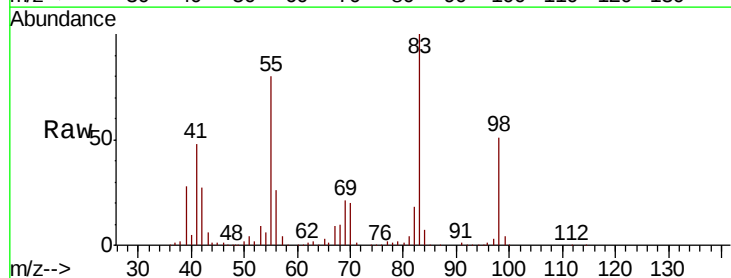


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

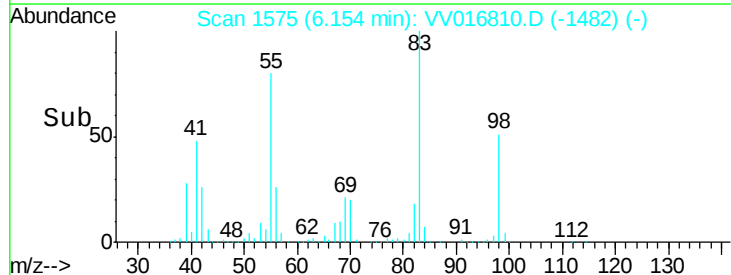
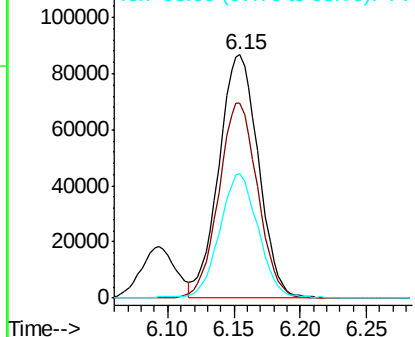


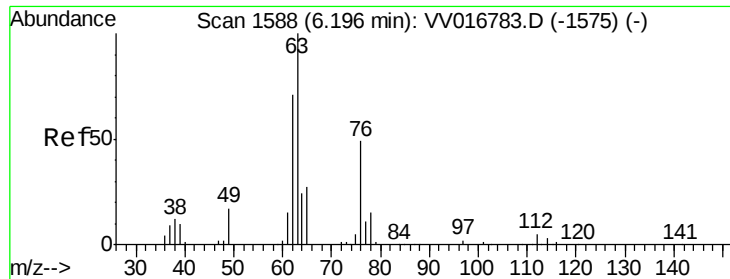
#35
 Methylcyclohexane
 Concen: 42.286 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016810.D
 Acq: 11 Jun 2020 07:55

Tgt Ion: 83 Resp: 179547
 Ion Ratio Lower Upper
 83 100
 55 78.7 64.2 96.2
 98 49.9 40.3 60.5



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

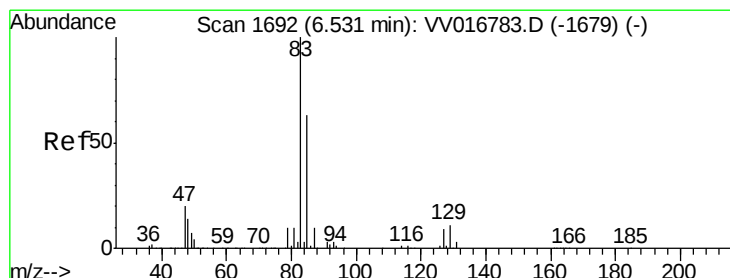
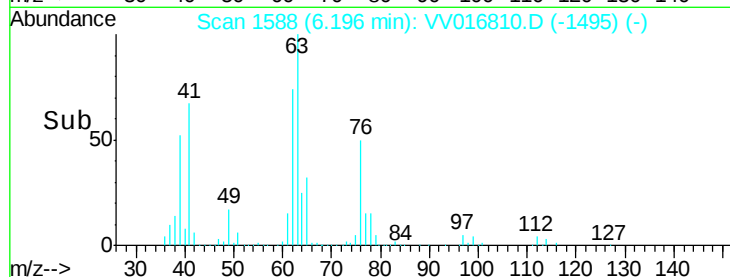
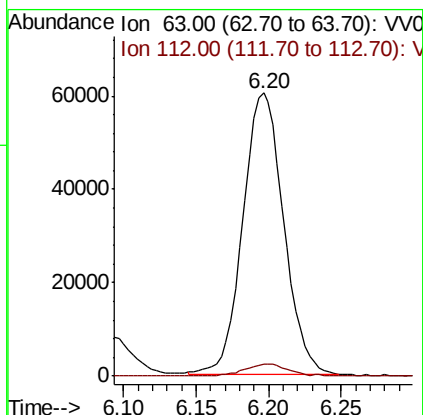
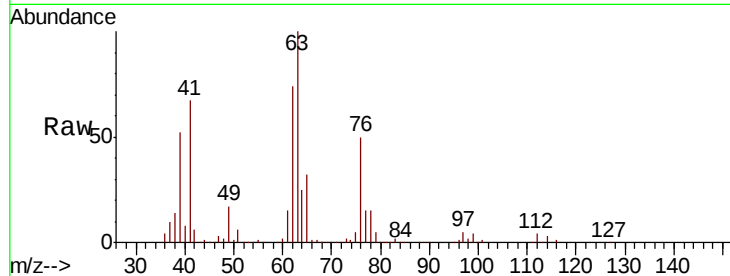




#37
 1,2-Dichloropropane
 Concen: 45.006 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016810.D
 Acq: 11 Jun 2020 07:55

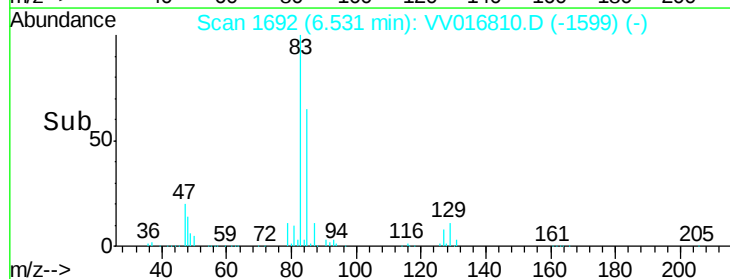
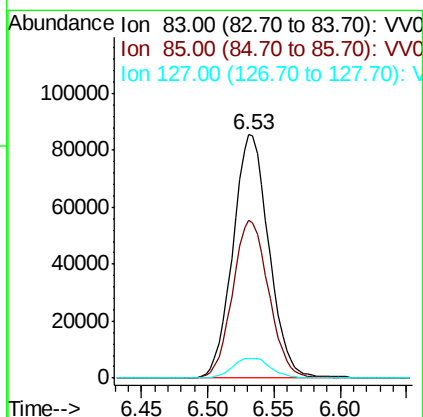
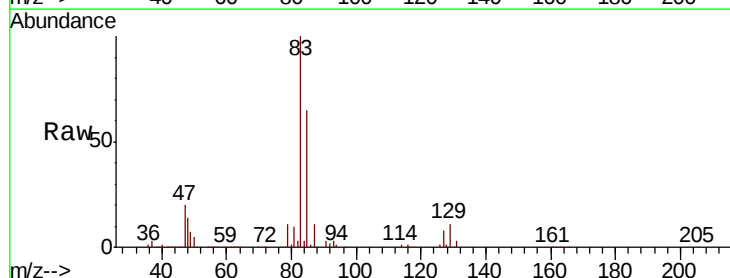
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

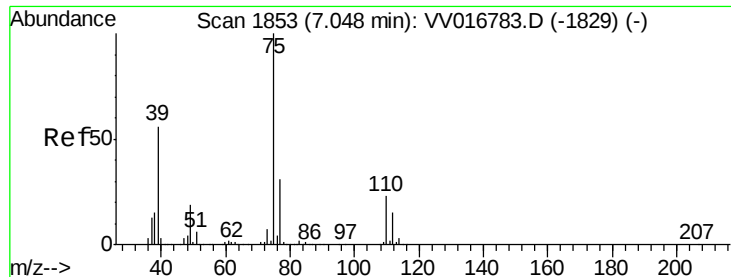
Tot Ion: 63 Resp: 118116
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.6



#38
 Bromodichloromethane
 Concen: 46.202 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV016810.D
 Acq: 11 Jun 2020 07:55

Tgt Ion: 83 Resp: 161412
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.4 82.5
 127 8.0 7.4 11.0



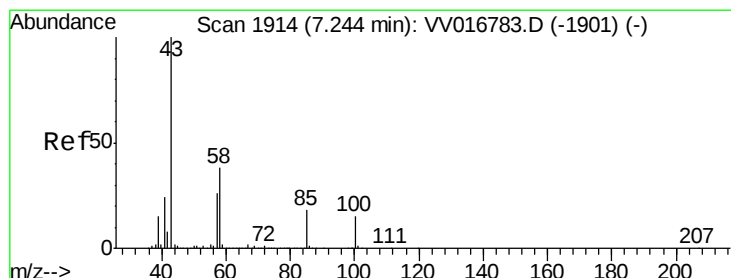
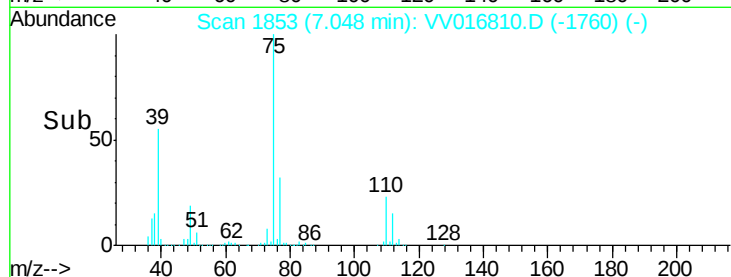
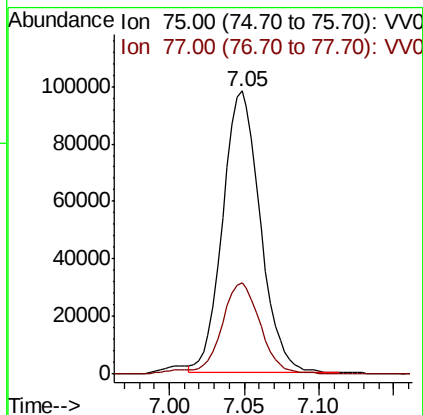
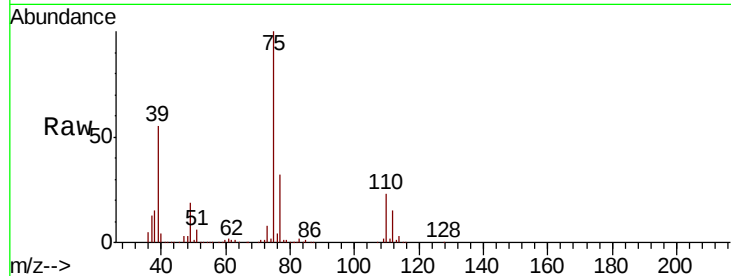


#39

cis-1,3-Dichloropropene
Concen: 42.024 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV016810.D
Acq: 11 Jun 2020 07:55

Instrument :
MSVOA_V
ClientSampled :
VSTD05081

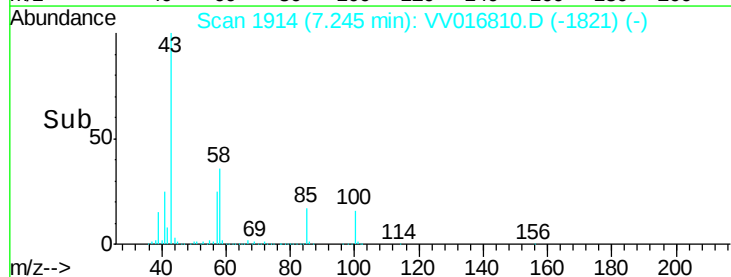
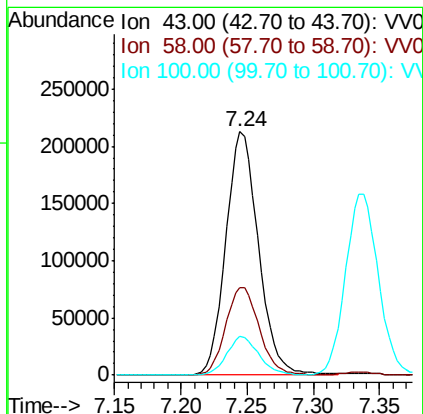
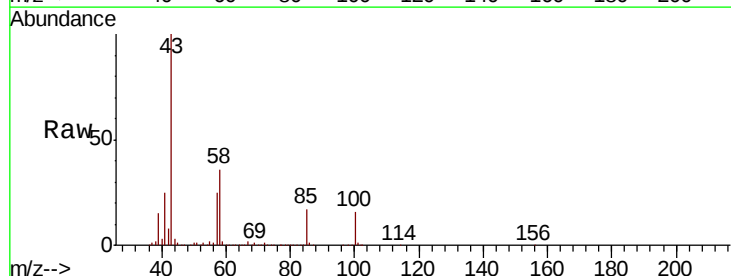
Tot Ion: 75 Resp: 171318
Ion Ratio Lower Upper
75 100
77 32.3 22.7 42.1

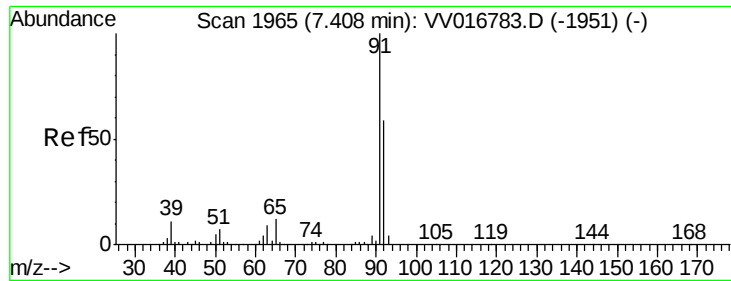


#40

4-Methyl-2-pentanone
Concen: 97.793 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV016810.D
Acq: 11 Jun 2020 07:55

Tgt Ion: 43 Resp: 363682
Ion Ratio Lower Upper
43 100
58 36.9 30.2 45.4
100 15.6 12.3 18.5





#42

Toluene

Concen: 46.241 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :

MSVOA_V

ClientSampleId :

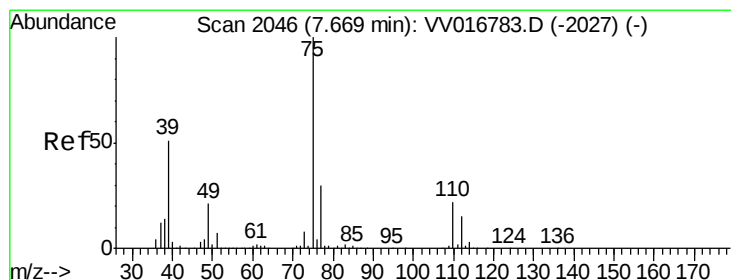
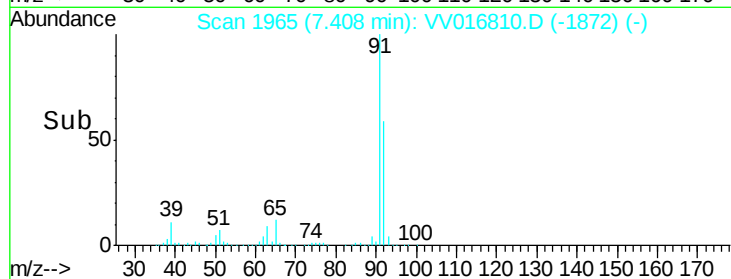
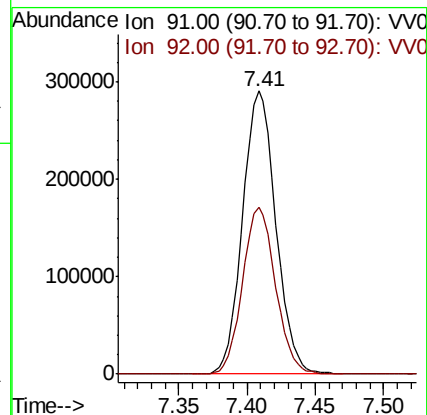
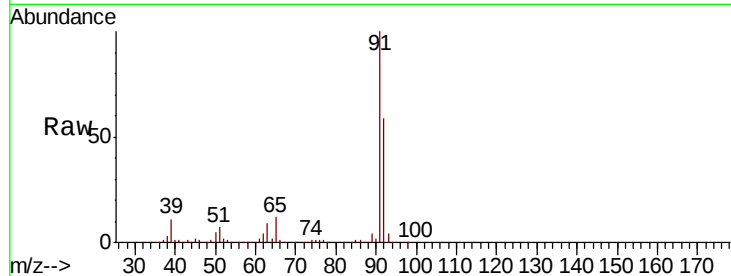
VSTD05081

Tot Ion: 91 Resp: 491942

Ion Ratio Lower Upper

91 100

92 59.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 43.788 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV016810.D

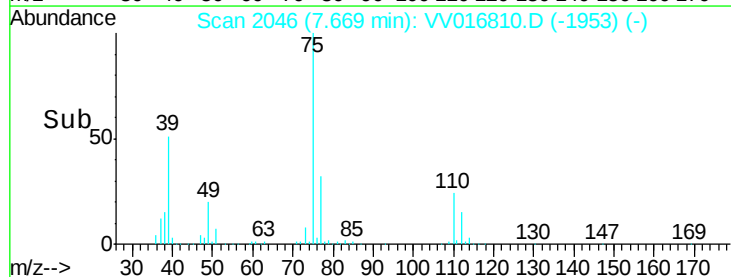
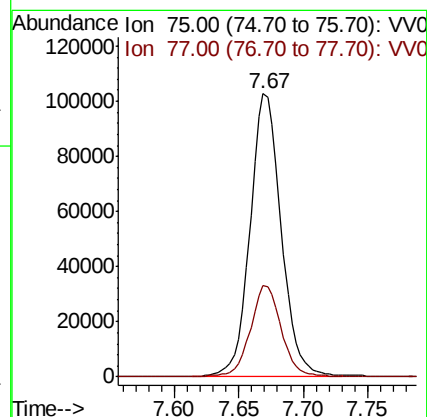
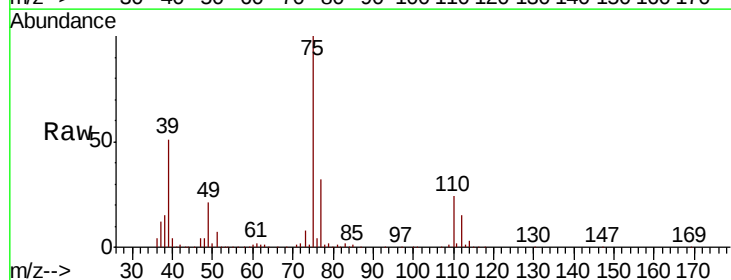
Acq: 11 Jun 2020 07:55

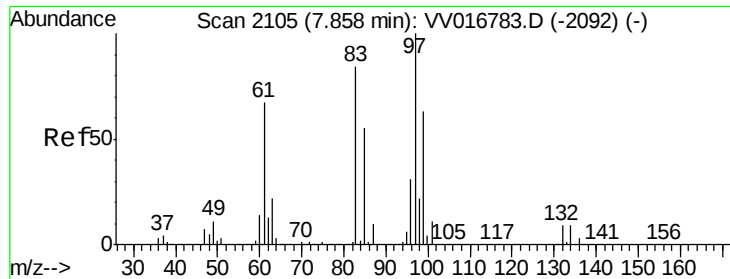
Tgt Ion: 75 Resp: 173545

Ion Ratio Lower Upper

75 100

77 32.1 21.7 40.3

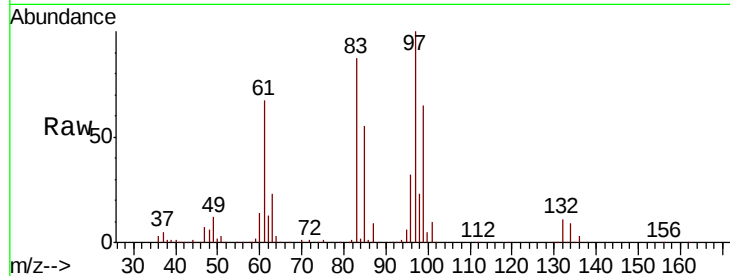




#45
 1,1,2-Trichloroethane
 Concen: 46.574 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV016810.D
 Acq: 11 Jun 2020 07:55

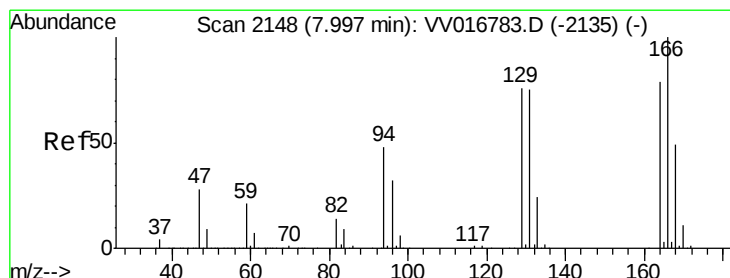
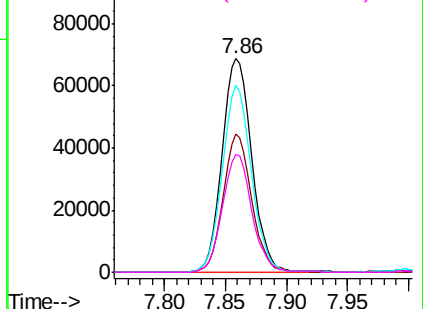
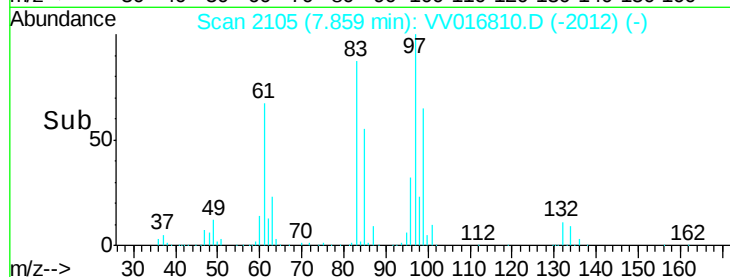
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Tot Ion:	97	Resp:	117925
Ion	Ratio	Lower	Upper
97	100		
99	64.5	44.3	82.3
83	87.4	60.0	111.4
85	55.3	39.5	73.3



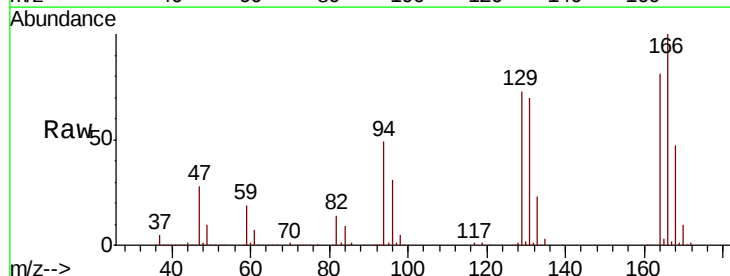
Abundance

Ion 97.00 (96.70 to 97.70): VV016810.D (-2012) (-)



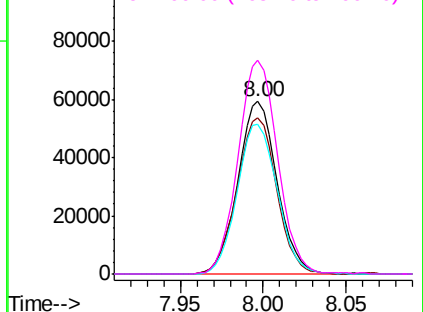
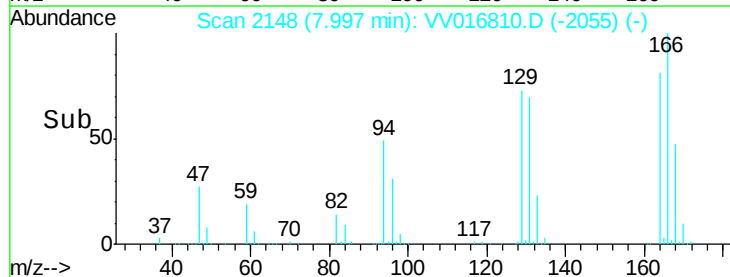
#46
 Tetrachloroethene
 Concen: 45.785 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016810.D
 Acq: 11 Jun 2020 07:55

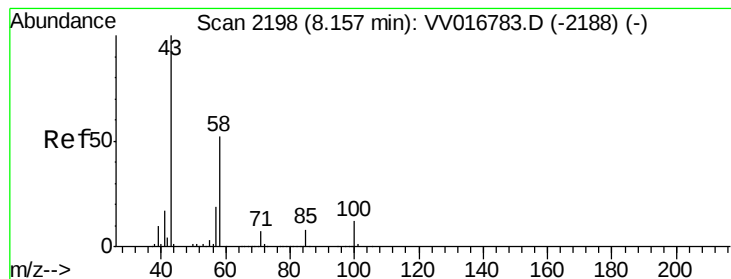
Tgt Ion:	164	Resp:	97461
Ion	Ratio	Lower	Upper
164	100		
129	90.8	67.0	124.4
131	87.3	64.8	120.3
166	124.0	90.4	167.8



Abundance

Ion 164.00 (163.70 to 164.70): VV016810.D (-2055) (-)





#48

2-Hexanone

Concen: 98.216 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

Tot Ion: 43 Resp: 283206

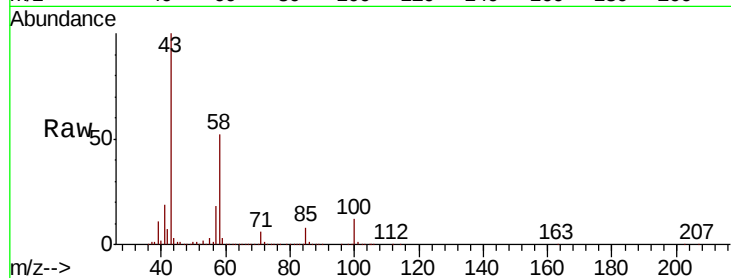
Ion Ratio Lower Upper

43 100

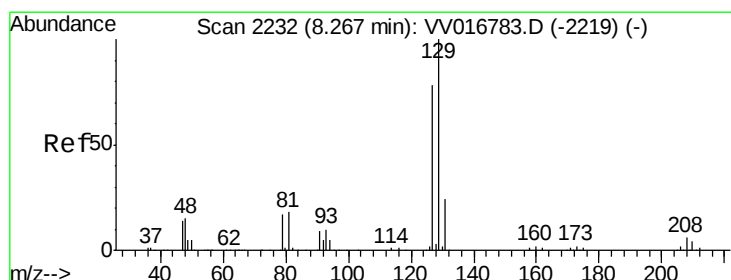
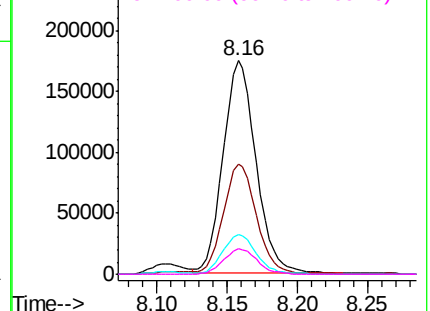
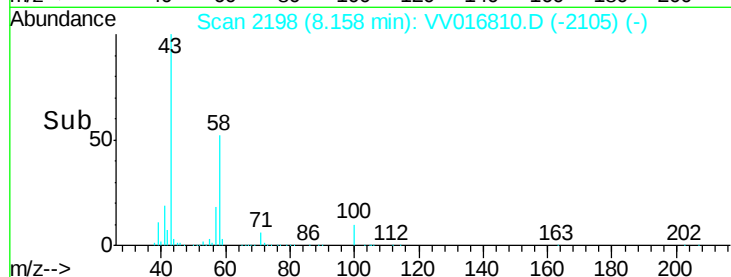
58 52.5 43.1 64.7

57 18.7 15.3 22.9

100 12.3 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VV016810.D (-2105) (-)



#49

Dibromochloromethane

Concen: 46.569 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV016810.D

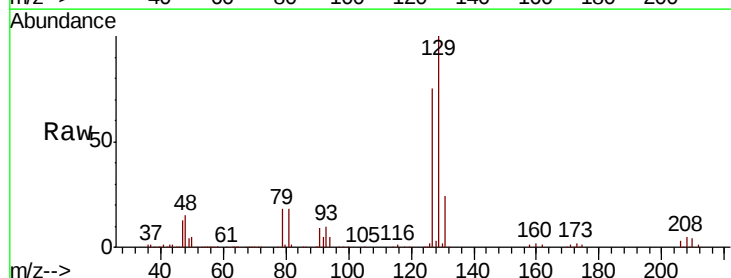
Acq: 11 Jun 2020 07:55

Tgt Ion: 129 Resp: 126075

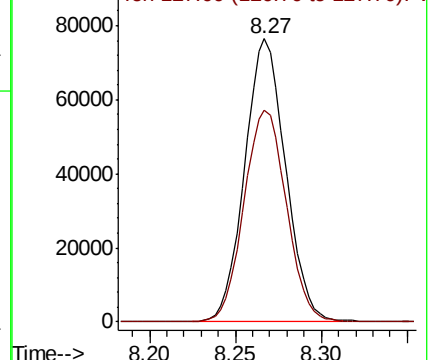
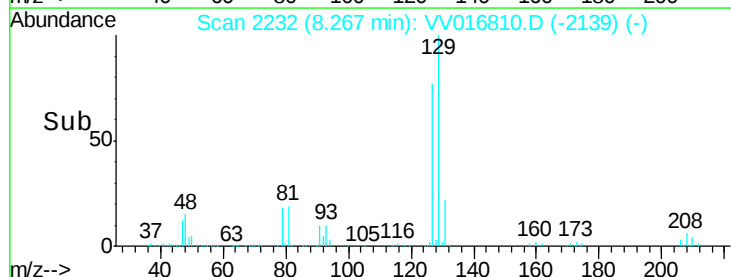
Ion Ratio Lower Upper

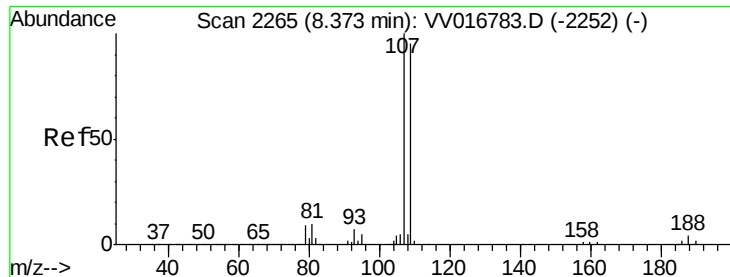
129 100

127 74.9 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): VV016810.D (-2139) (-)

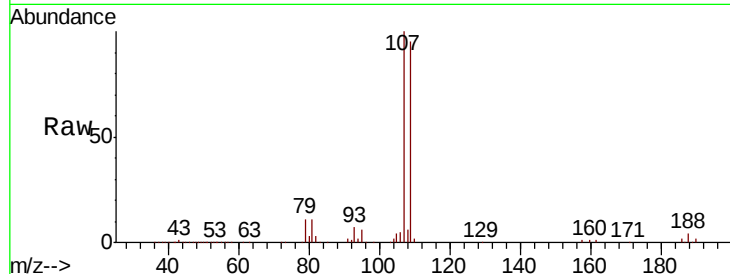




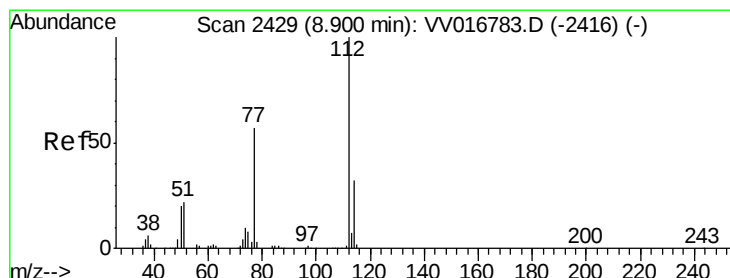
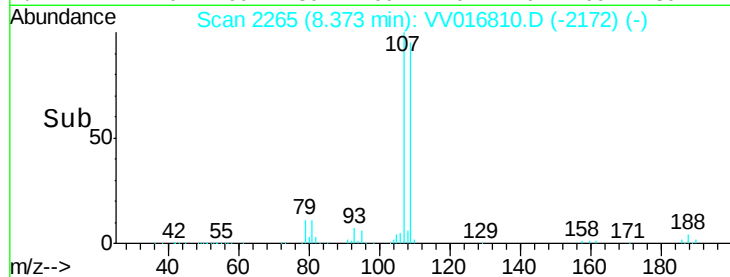
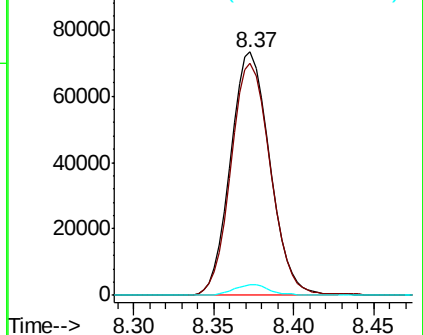
#50
 1,2-Dibromoethane
 Concen: 46.347 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV016810.D
 Acq: 11 Jun 2020 07:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	66.4	123.2
188	4.6	3.1	4.7

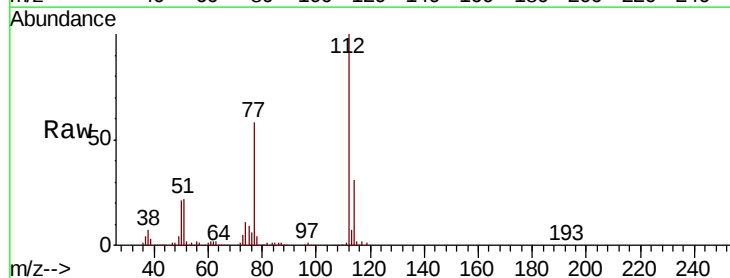


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

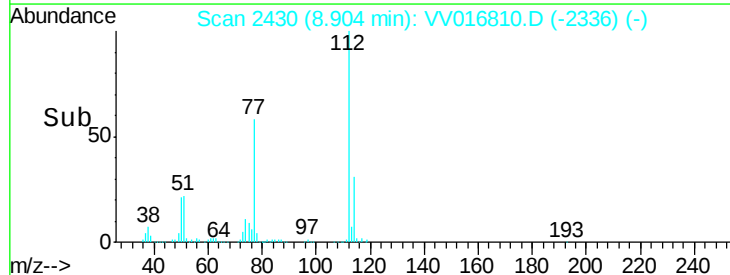
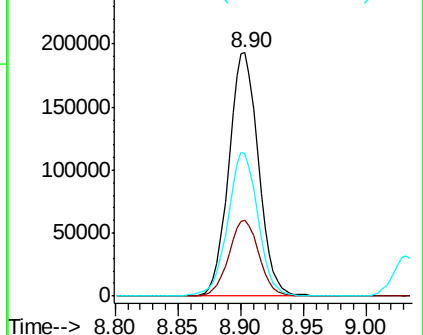


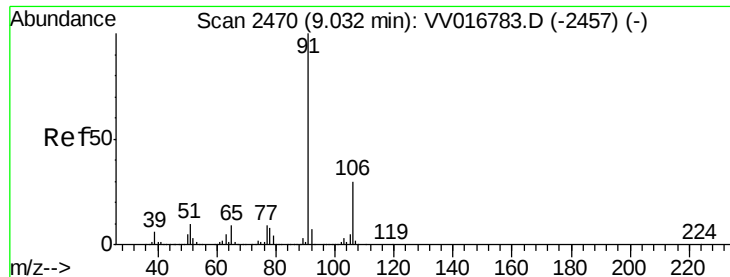
#51
 Chlorobenzene
 Concen: 45.888 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016810.D
 Acq: 11 Jun 2020 07:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.3	41.3
77	58.4	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): VV0





#52

Ethylbenzene

Concen: 46.249 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :

MSVOA_V

ClientSampleId :

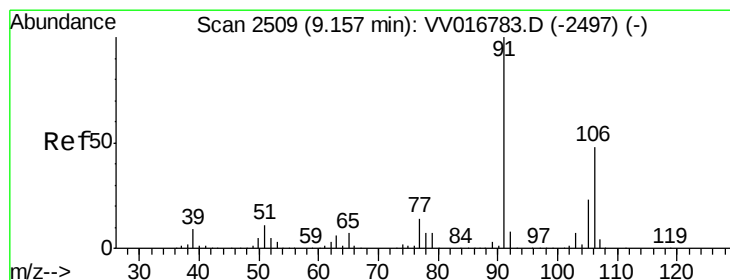
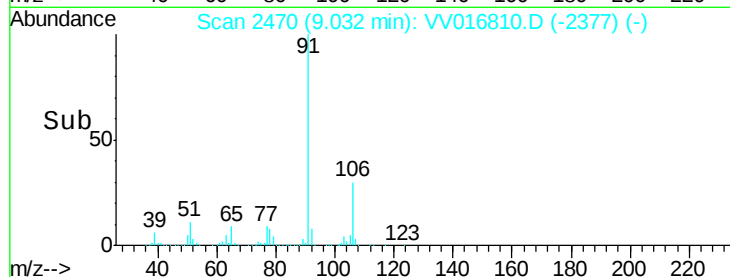
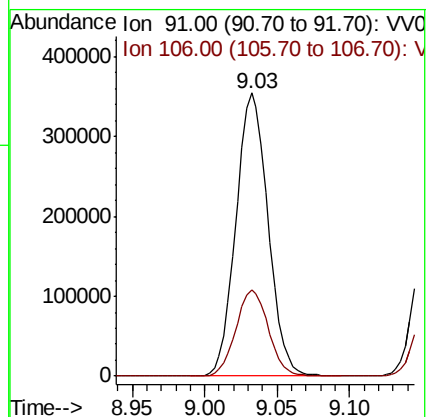
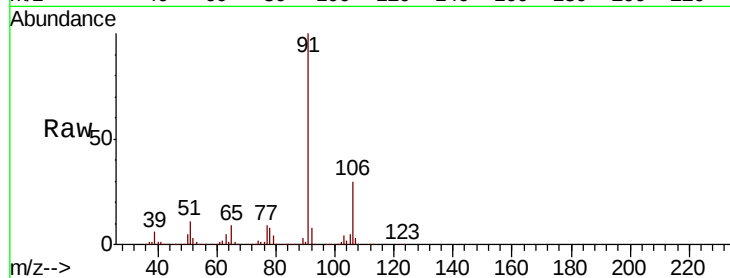
VSTD05081

Tot Ion: 91 Resp: 544986

Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.1



#53

m,p-Xylene

Concen: 47.481 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV016810.D

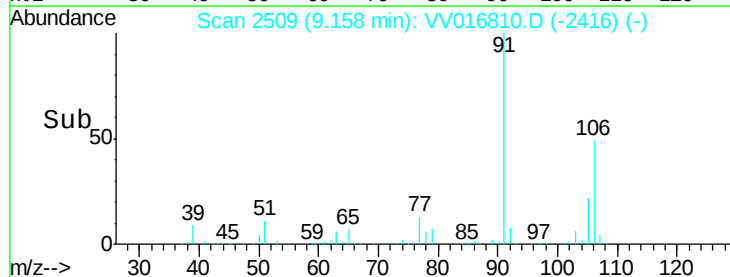
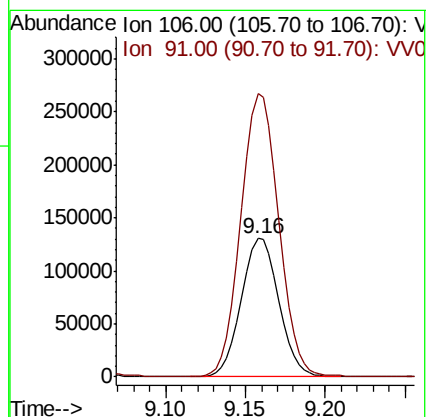
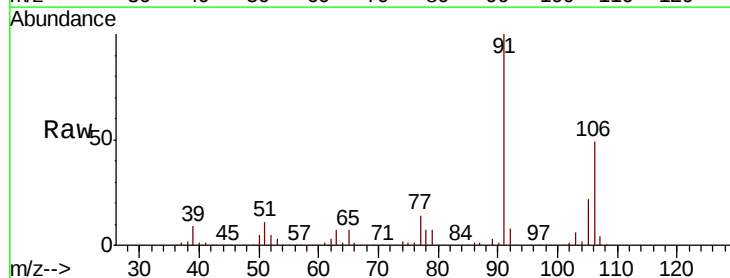
Acq: 11 Jun 2020 07:55

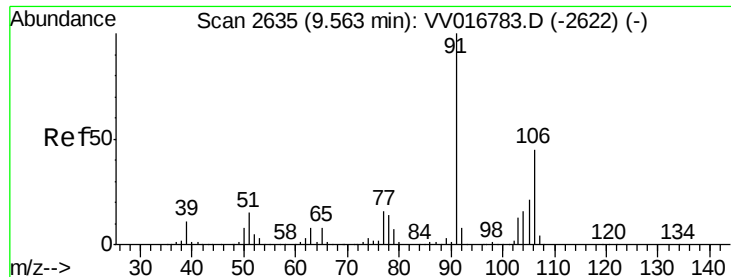
Tgt Ion: 106 Resp: 208321

Ion Ratio Lower Upper

106 100

91 204.2 144.6 268.6

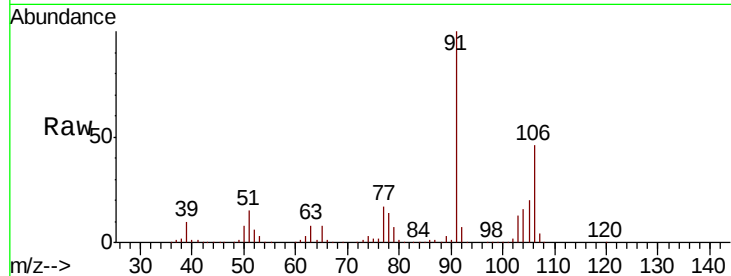




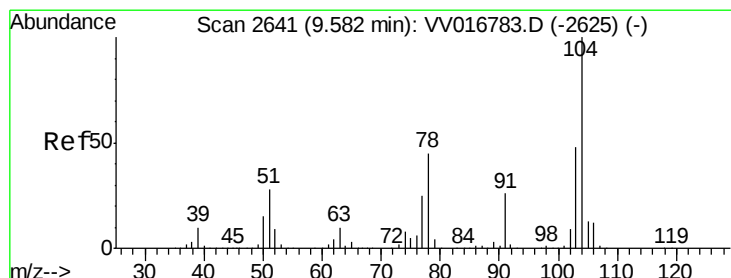
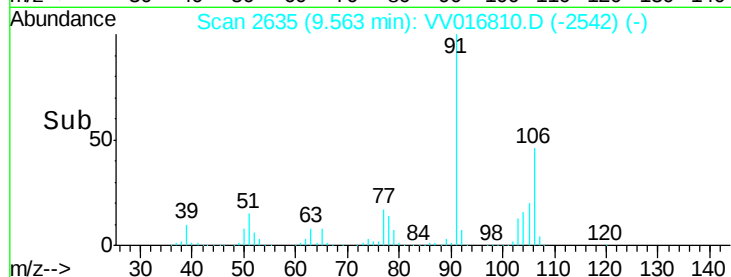
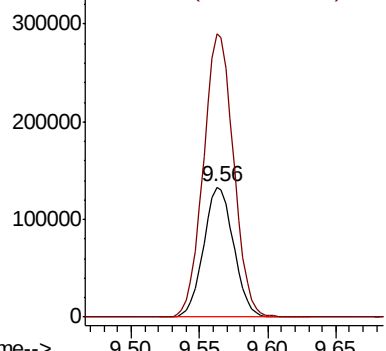
#54
o-xylene
Concen: 47.077 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV016810.D
Acq: 11 Jun 2020 07:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

Tot Ion:106 Resp: 203705
Ion Ratio Lower Upper
106 100
91 217.3 155.9 289.5

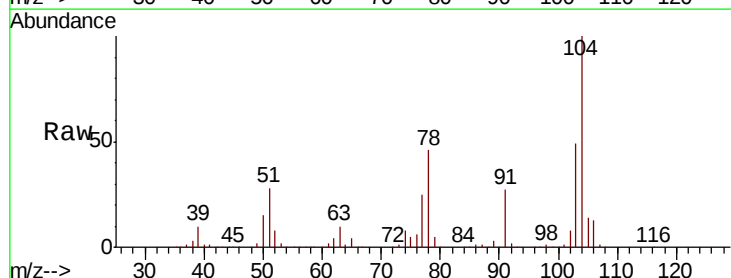


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

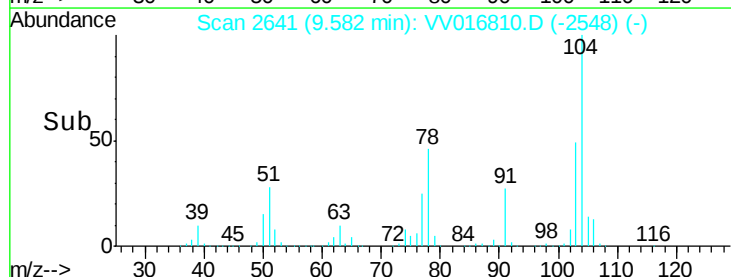
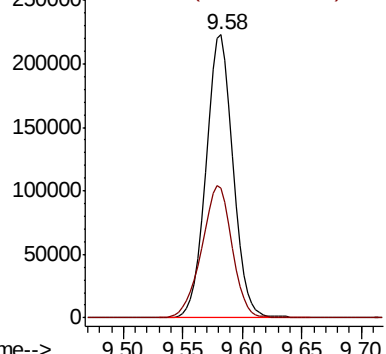


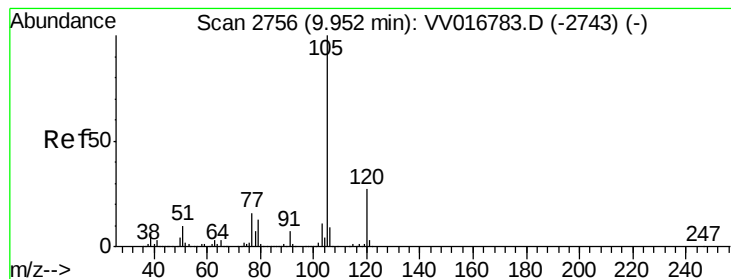
#55
Styrene
Concen: 48.082 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016810.D
Acq: 11 Jun 2020 07:55

Tgt Ion:104 Resp: 351759
Ion Ratio Lower Upper
104 100
78 45.6 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: 47.388 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

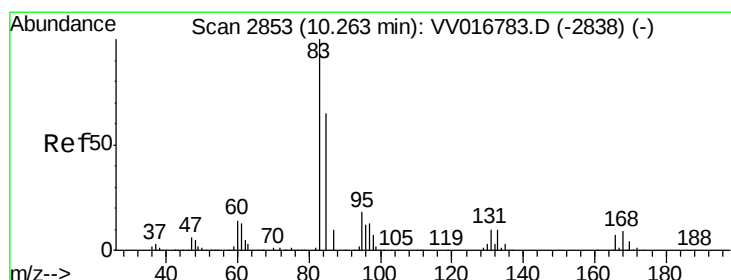
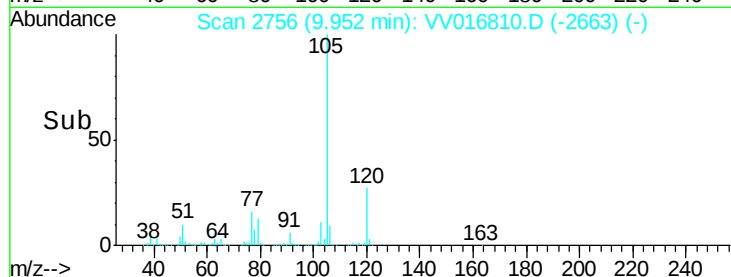
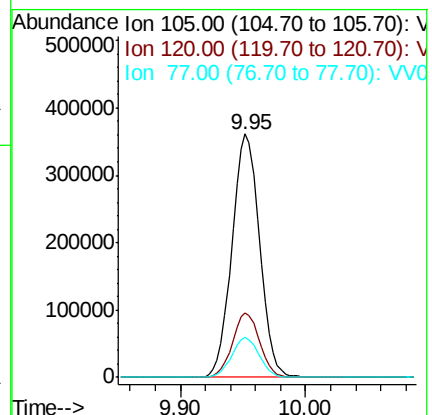
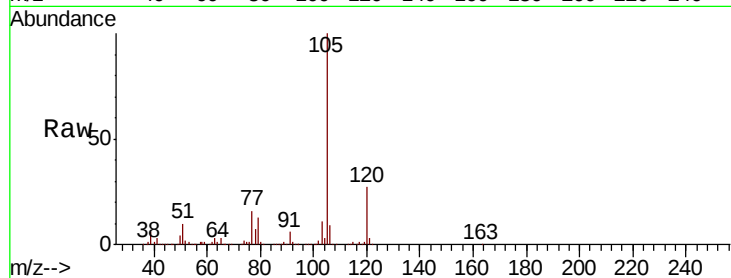
Tot Ion:105 Resp: 550977

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

77 16.5 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 47.638 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

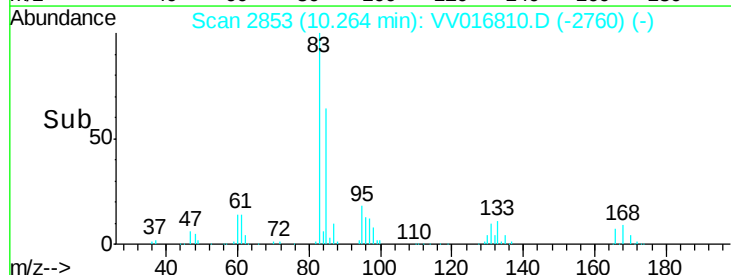
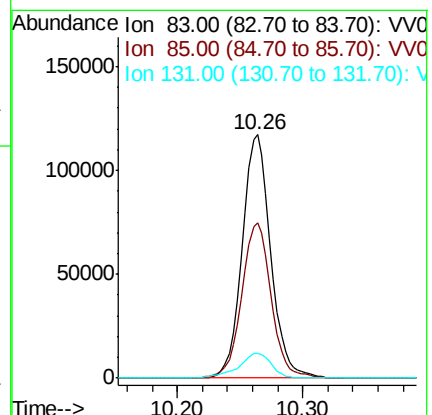
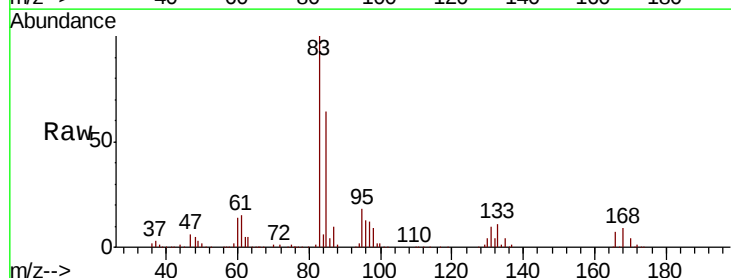
Tgt Ion: 83 Resp: 184937

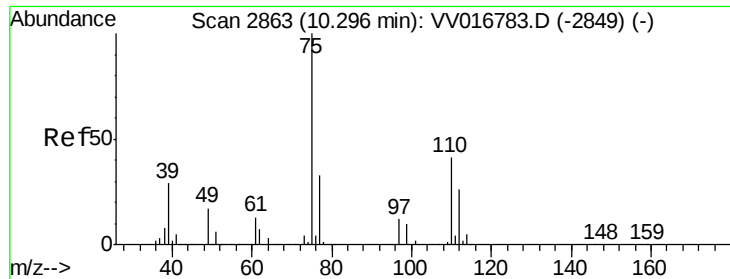
Ion Ratio Lower Upper

83 100

85 63.9 46.8 86.8

131 10.3 7.9 11.9





#59

1,2,3-Trichloropropane

Concen: 48.097 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :

MSVOA_V

ClientSampleId :

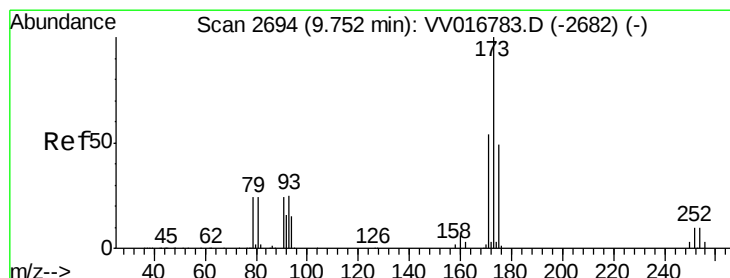
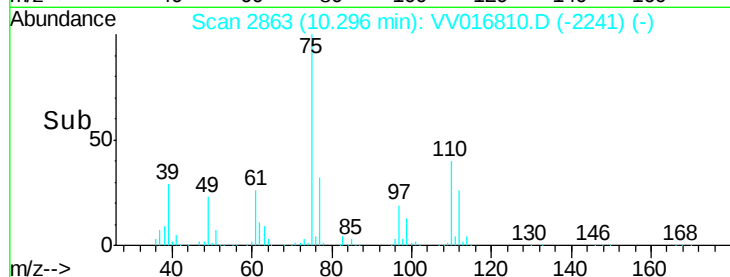
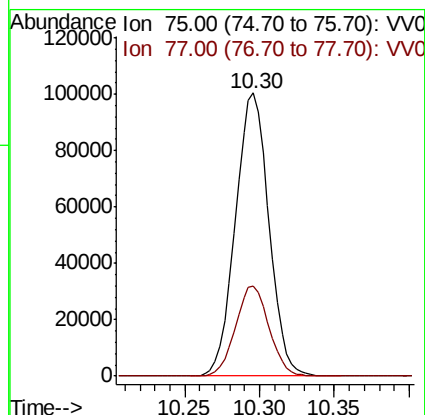
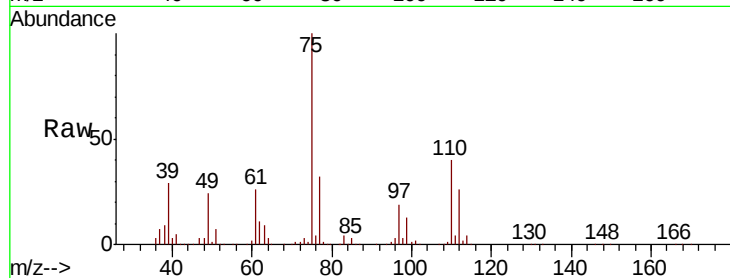
VSTD05081

Tot Ion: 75 Resp: 156613

Ion Ratio Lower Upper

75 100

77 32.0 26.1 39.1



#61

Bromoform

Concen: 45.524 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

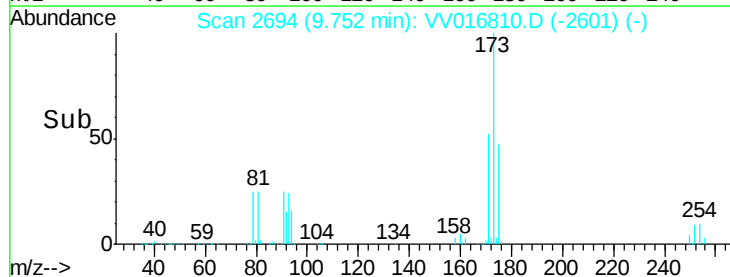
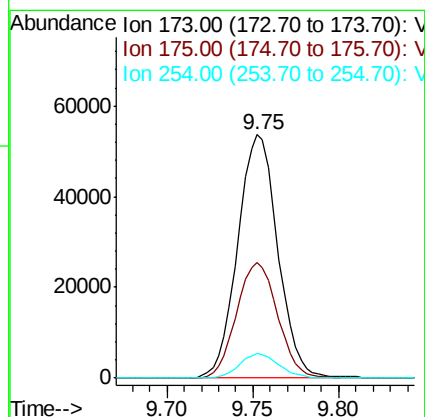
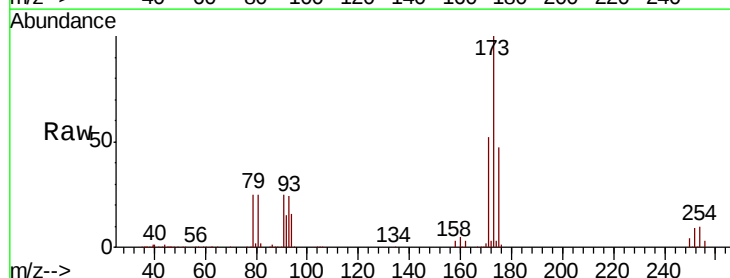
Tgt Ion: 173 Resp: 86891

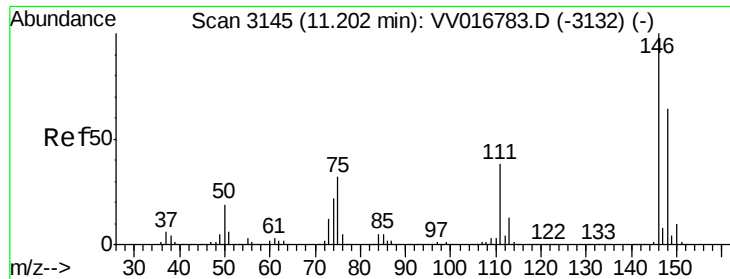
Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.4

254 9.8 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 44.927 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

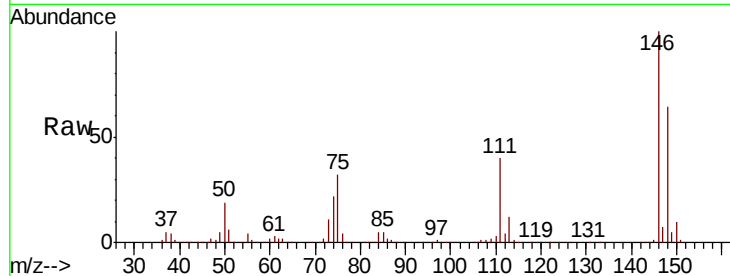
Tot Ion:146 Resp: 264058

Ion Ratio Lower Upper

146 100

111 40.1 28.3 52.7

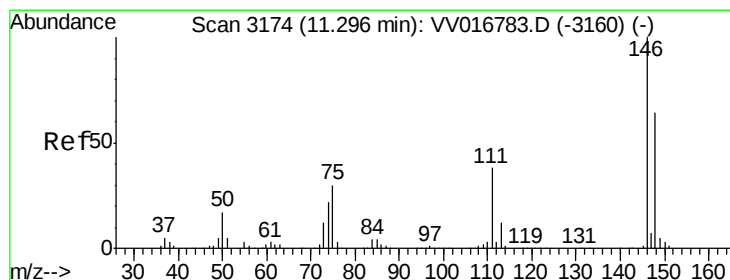
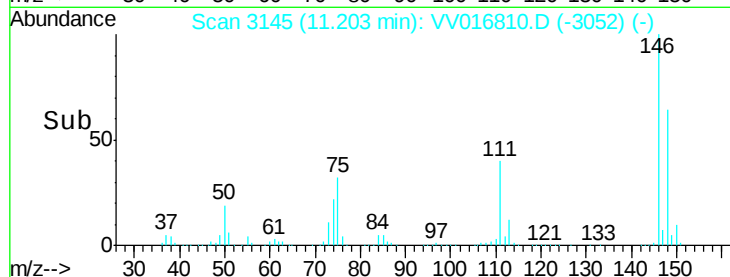
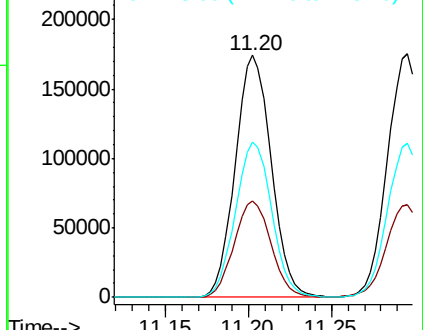
148 64.2 44.2 82.2



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: 44.971 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

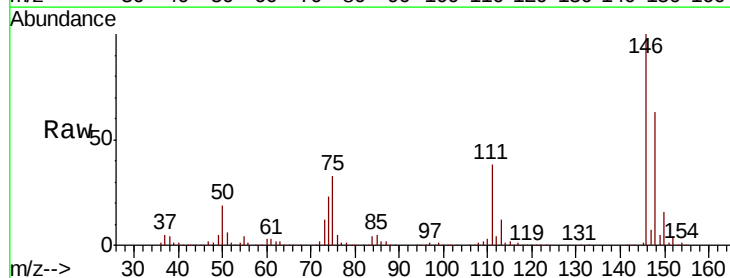
Tgt Ion:146 Resp: 268930

Ion Ratio Lower Upper

146 100

111 38.0 26.7 49.7

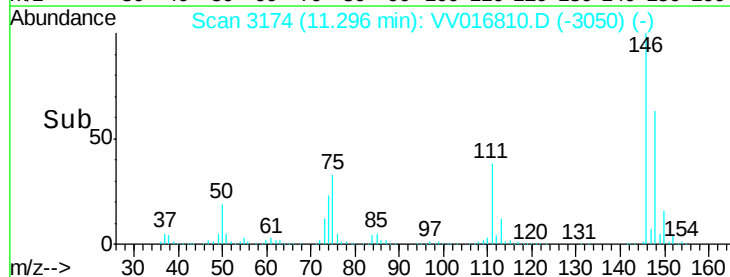
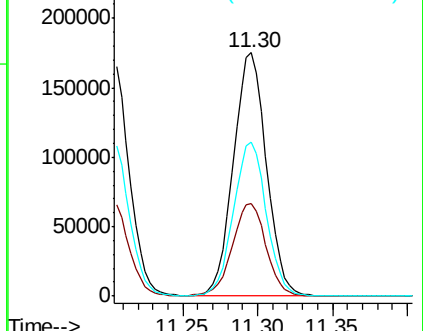
148 63.3 43.5 80.9

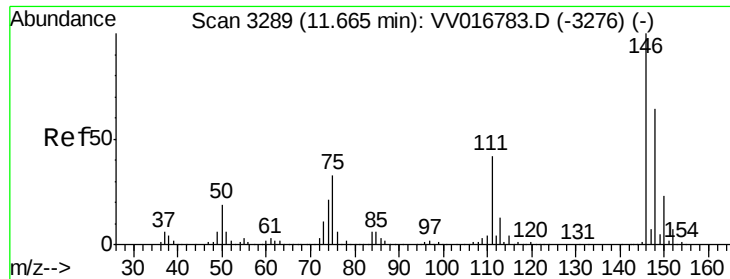


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

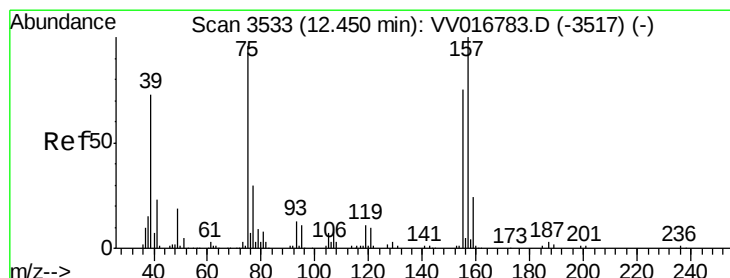
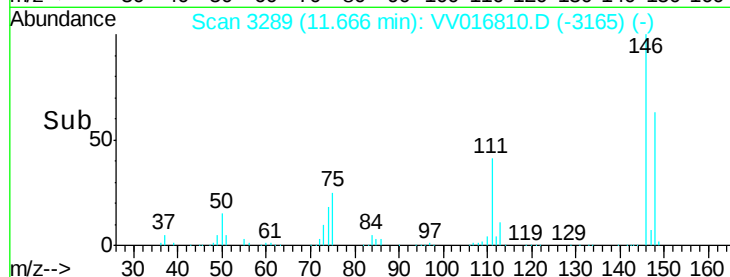
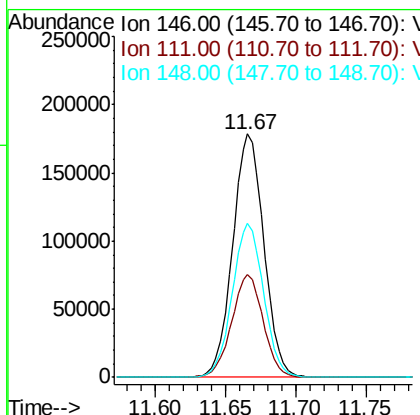
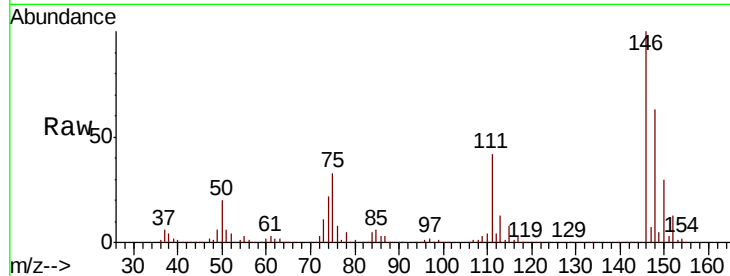




#65
 1,2-Dichlorobenzene
 Concen: 47.074 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV016810.D
 Acq: 11 Jun 2020 07:55

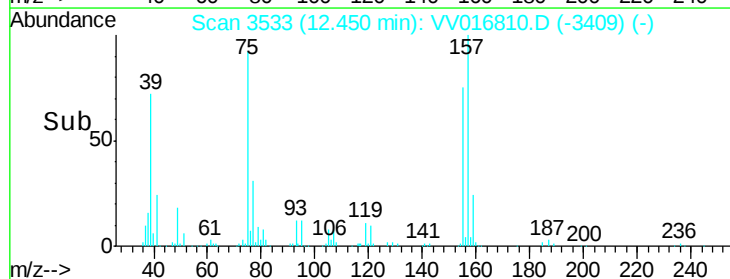
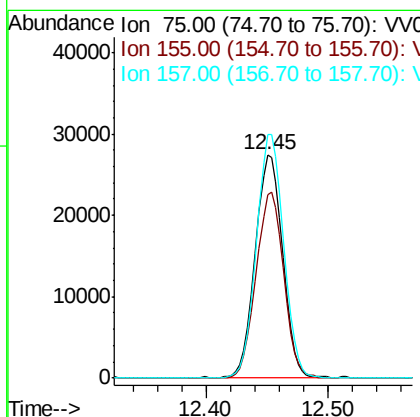
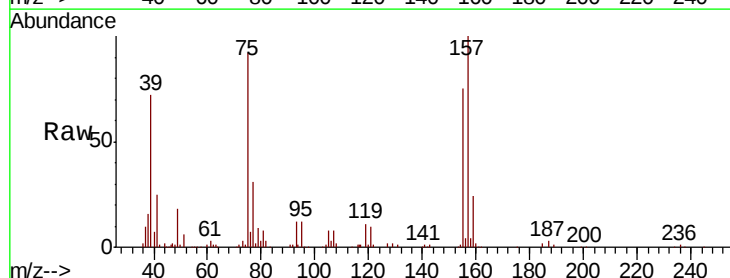
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

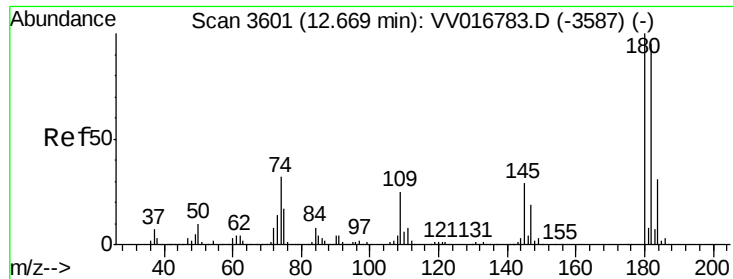
Tot Ion:146 Resp: 277271
 Ion Ratio Lower Upper
 146 100
 111 42.3 33.7 50.5
 148 63.1 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.060 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016810.D
 Acq: 11 Jun 2020 07:55

Tgt Ion: 75 Resp: 42659
 Ion Ratio Lower Upper
 75 100
 155 81.9 69.8 104.6
 157 108.7 83.4 125.2

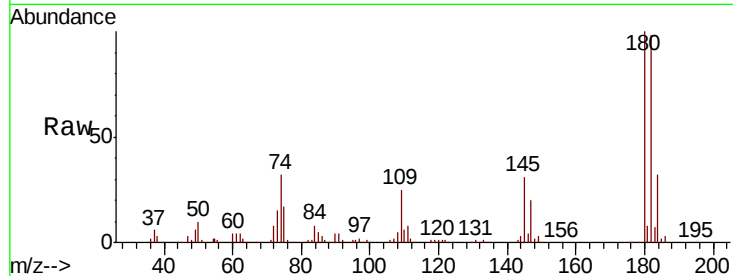




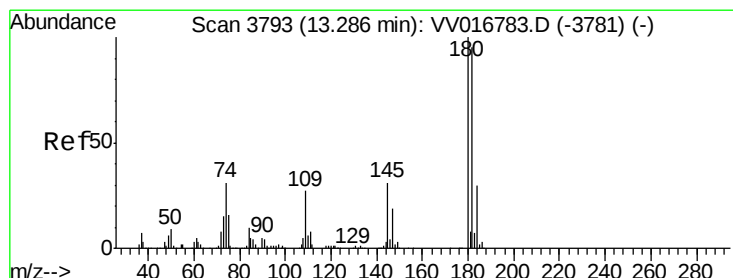
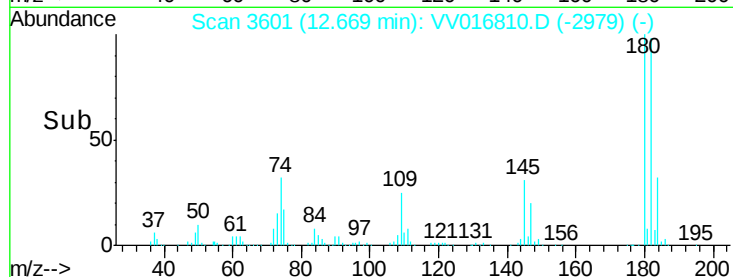
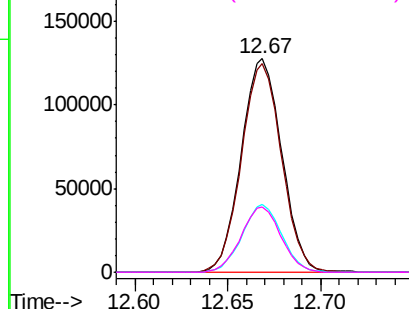
#67
 1,3,5-Trichlorobenzene
 Concen: 44.294 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016810.D
 Acq: 11 Jun 2020 07:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Tot Ion:180	Resp:	194130
Ion	Ratio	Lower Upper
180	100	
182	96.9	75.0 112.6
184	31.1	24.5 36.7
145	30.3	24.4 36.6

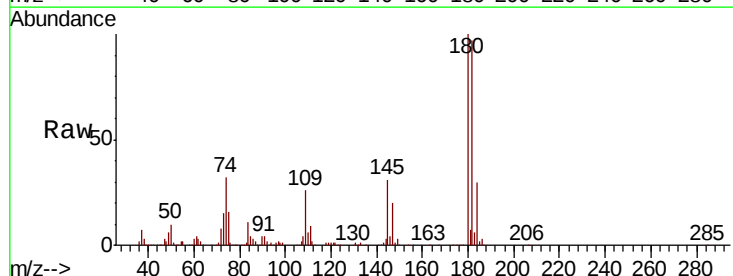


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

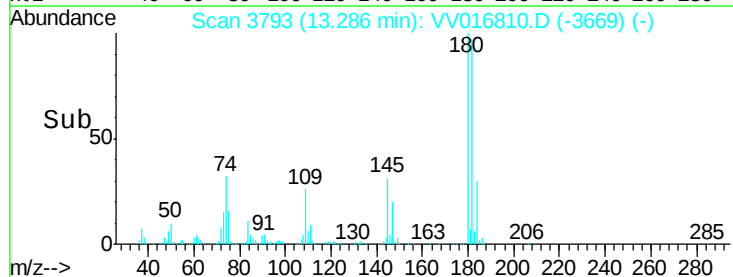
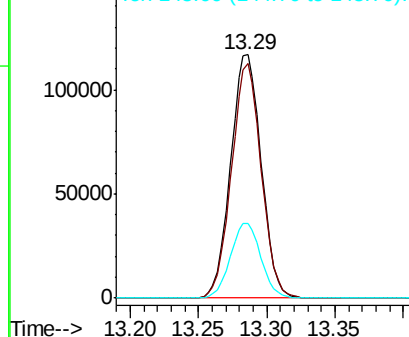


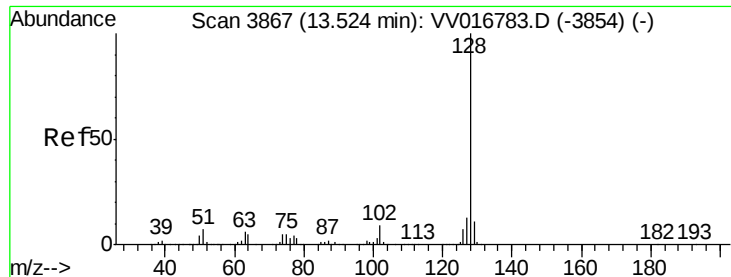
#68
 1,2,4-trichlorobenzene
 Concen: 45.189 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016810.D
 Acq: 11 Jun 2020 07:55

Tgt Ion:180	Resp:	181663
Ion	Ratio	Lower Upper
180	100	
182	93.8	76.9 115.3
145	30.6	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: 47.919 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

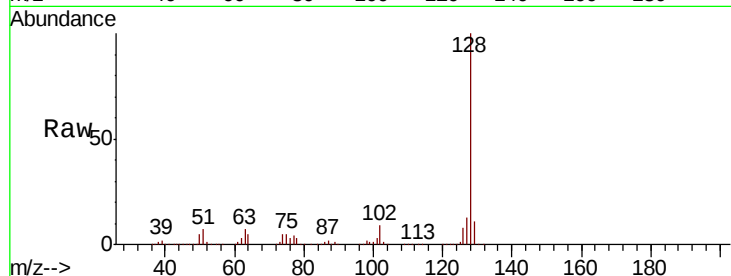
Tot Ion:128 Resp: 554115

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

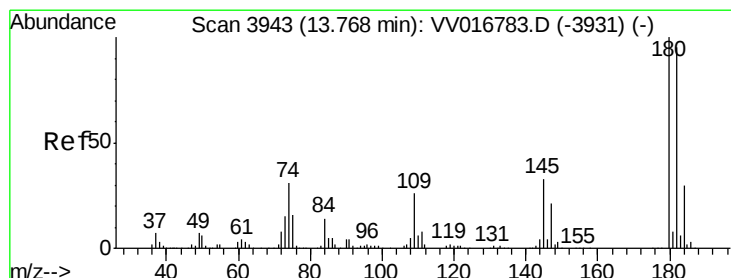
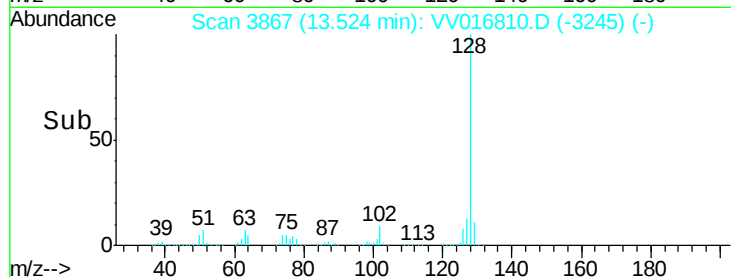
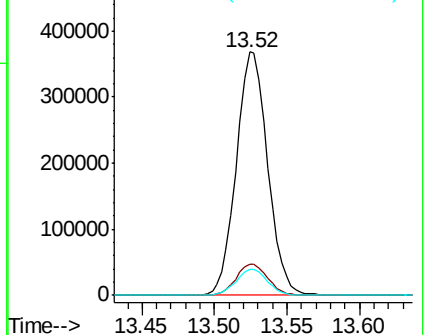
129 10.7 8.7 13.1



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: 46.175 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016810.D

Acq: 11 Jun 2020 07:55

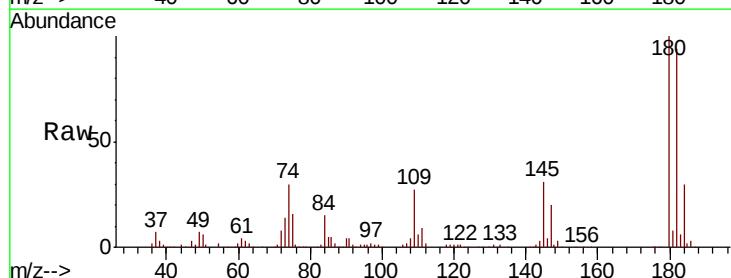
Tgt Ion:180 Resp: 181629

Ion Ratio Lower Upper

180 100

182 94.7 76.5 114.7

145 32.1 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

