

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092220\
 Data File : VV018385.D
 Acq On : 22 Sep 2020 10:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

Quant Time: Sep 23 05:53:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 22 17:34:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	265570	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	263512	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	144399	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95221	44.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.00%
7) Chloroethane-d5	1.58	69	79416	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.68%
11) 1,1-Dichloroethene-d2	2.12	63	185360	46.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.38%
21) 2-Butanone-d5	3.90	46	133374	100.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.68%
24) Chloroform-d	4.37	84	185404	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.74%
26) 1,2-Dichloroethane-d4	5.05	65	119654	49.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.42%
32) Benzene-d6	5.07	84	358110	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
36) 1,2-Dichloropropane-d6	6.09	67	113393	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.62%
41) Toluene-d8	7.33	98	330391	48.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.12%
43) trans-1,3-Dichloropropene-	7.64	79	58973	48.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.84%
47) 2-Hexanone-d5	8.10	63	95398	105.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.07%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	154469	51.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.70%
64) 1,2-Dichlorobenzene-d4	11.65	152	140597	47.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.82%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	96379	49.770	ug/L 98
3) Chloromethane	1.25	50	105259	49.778	ug/L 100
5) Vinyl chloride	1.32	62	107741	49.687	ug/L 100
6) Bromomethane	1.53	94	68666	51.810	ug/L 98
8) Chloroethane	1.59	64	68218	50.222	ug/L 98
9) Trichlorofluoromethane	1.76	101	151736	50.860	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	93965	52.434	ug/L 99
12) 1,1-Dichloroethene	2.13	96	88158	50.557	ug/L 94
13) Acetone	2.19	43	140707	132.646	ug/L 99
14) Carbon disulfide	2.31	76	259318	48.601	ug/L 100
15) Methyl Acetate	2.44	43	99948	52.429	ug/L 99
16) Methylene chloride	2.52	84	100911	51.601	ug/L 99
17) trans-1,2-Dichloroethene	2.77	96	91612	50.979	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	291542	52.446	ug/L 100
19) 1,1-Dichloroethane	3.21	63	175360	51.612	ug/L 100
20) cis-1,2-Dichloroethene	3.93	96	98882	51.474	ug/L 97
22) 2-Butanone	3.99	43	161476	128.553	ug/L 97

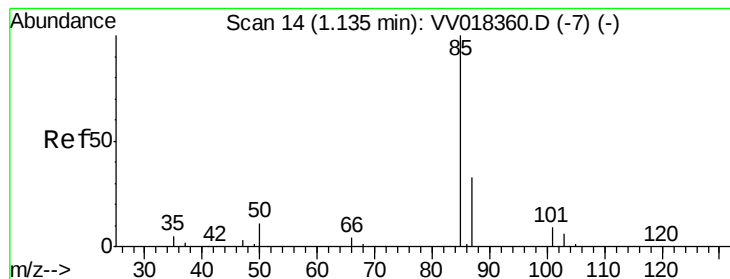
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092220\
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 Quant Title : VOC Analysis
 QLast Update : Tue Sep 22 17:34:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	53401	53.131	ug/L	100
25) Chloroform	4.40	83	178213	51.600	ug/L	98
27) 1,2-Dichloroethane	5.15	62	137480	51.419	ug/L	99
29) Cyclohexane	4.70	56	156205	51.335	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	154222	50.430	ug/L	99
31) Carbon tetrachloride	4.85	117	136507	50.764	ug/L	99
33) Benzene	5.12	78	384274	51.005	ug/L	100
34) Trichloroethene	5.93	95	103626	50.491	ug/L	96
35) Methylcyclohexane	6.15	83	160807	52.038	ug/L	100
37) 1,2-Dichloropropane	6.19	63	103243	51.713	ug/L	99
38) Bromodichloromethane	6.53	83	131655	50.674	ug/L	99
39) cis-1,3-Dichloropropene	7.04	75	159350	51.803	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	260926	107.731	ug/L	99
42) Toluene	7.41	91	415747	52.144	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	156956	52.405	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	96870	52.349	ug/L	99
46) Tetrachloroethene	7.99	164	83850	52.106	ug/L	97
48) 2-Hexanone	8.15	43	219074	114.730	ug/L	99
49) Dibromochloromethane	8.27	129	108329	52.154	ug/L	99
50) 1,2-Dibromoethane	8.37	107	101164	51.945	ug/L	99
51) Chlorobenzene	8.90	112	266944	51.553	ug/L	99
52) Ethylbenzene	9.03	91	456455	52.438	ug/L	100
53) m,p-Xylene	9.16	106	173647	53.445	ug/L	96
54) o-xylene	9.56	106	166393	53.159	ug/L	98
55) Styrene	9.58	104	296908	54.573	ug/L	98
56) Isopropylbenzene	9.95	105	449505	53.285	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	145964	53.325	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	123613	52.642	ug/L	100
61) Bromoform	9.75	173	81786	52.722	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	222477	51.813	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	227867	51.630	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	224171	51.651	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	32012	52.269	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	176400	52.112	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	161990	53.739	ug/L	99
69) Naphthalene	13.52	128	451515	59.197	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	167156	56.301	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.770 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

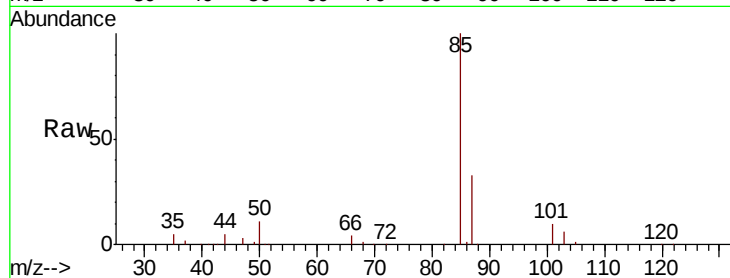
VSTD05083

Tot Ion: 85 Resp: 96379

Ion Ratio Lower Upper

85 100

87 33.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

100000

80000

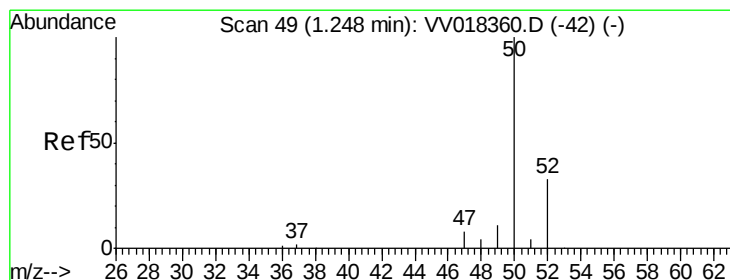
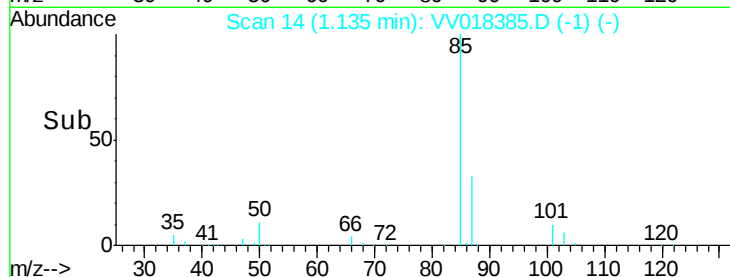
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 49.778 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018385.D

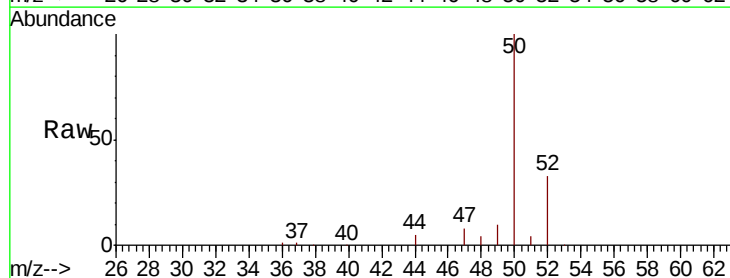
Acq: 22 Sep 2020 10:38

Tgt Ion: 50 Resp: 105259

Ion Ratio Lower Upper

50 100

52 32.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

120000

100000

80000

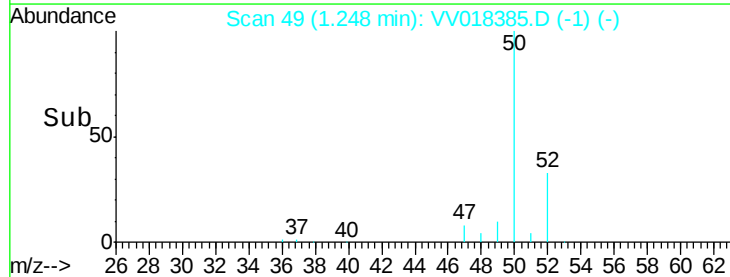
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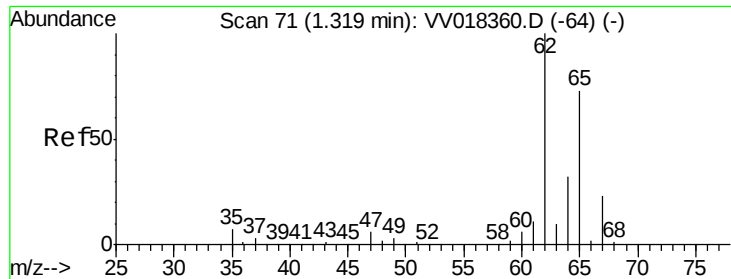
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 49.687 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

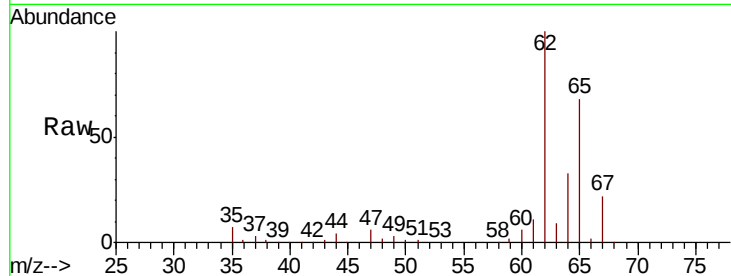
VSTD05083

Tot Ion: 62 Resp: 107741

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV018360.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV018360.D (-64) (-)

1.32

120000

100000

80000

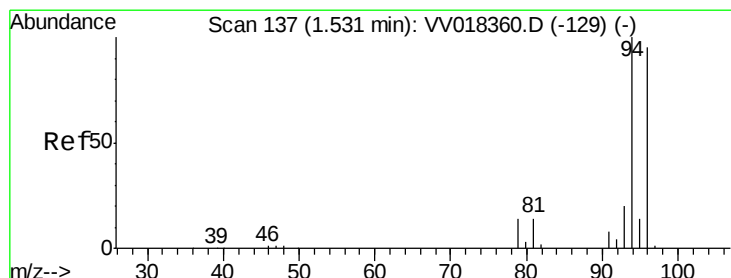
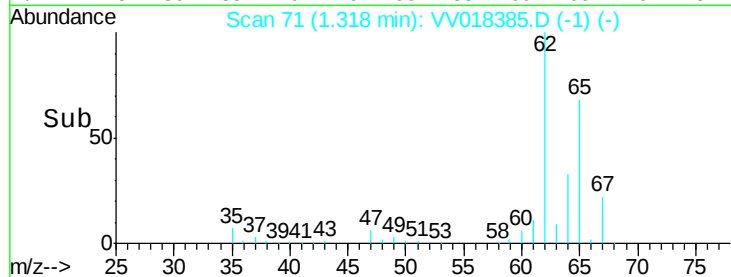
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Time-->



#6

Bromomethane

Concen: 51.810 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018385.D

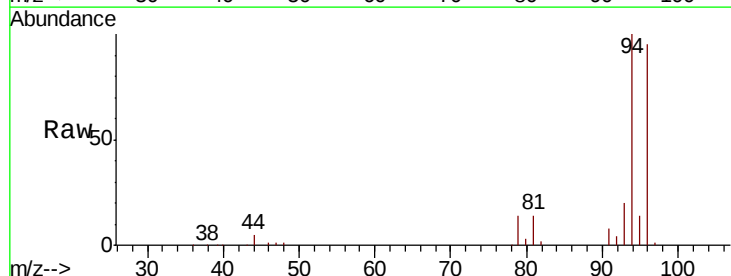
Acq: 22 Sep 2020 10:38

Tgt Ion: 94 Resp: 68666

Ion Ratio Lower Upper

94 100

96 95.2 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV018360.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV018360.D (-129) (-)

1.53

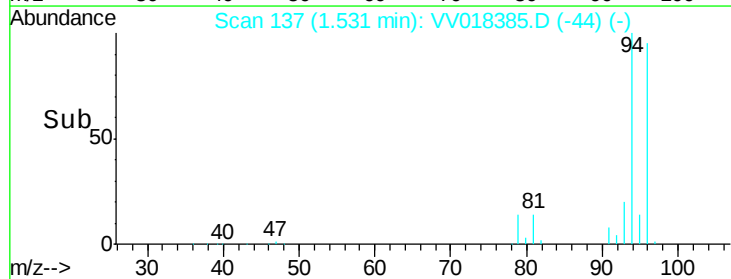
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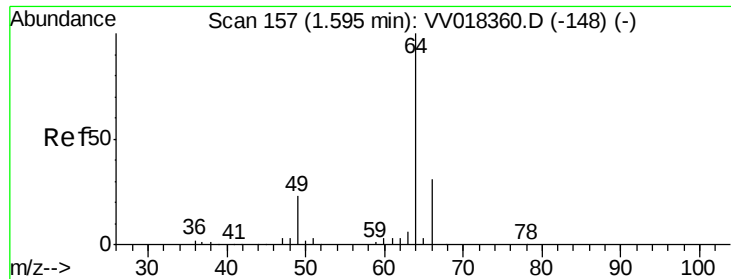
40000

20000

0

Time-->





#8

Chloroethane

Concen: 50.222 ug/L

RT: 1.59 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

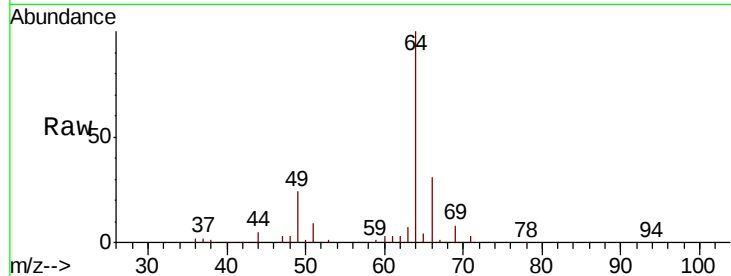
VSTD05083

Tot Ion: 64 Resp: 68218

Ion Ratio Lower Upper

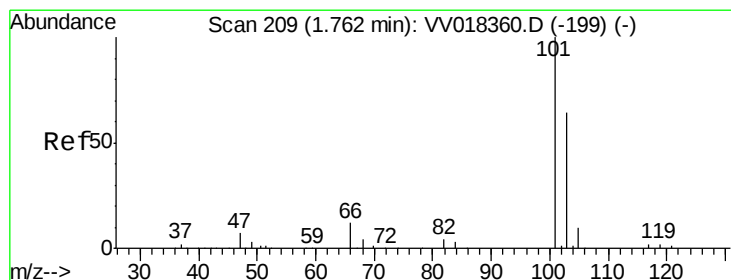
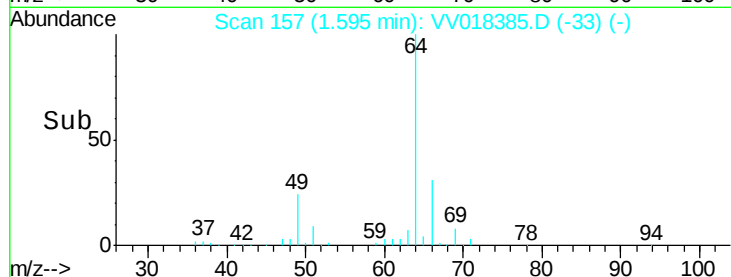
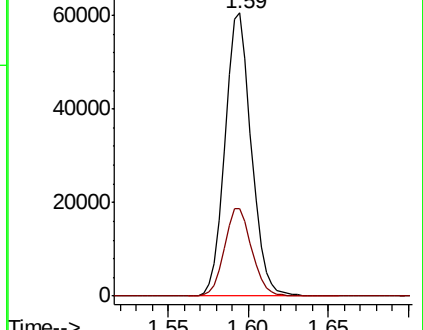
64 100

66 31.1 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV018360.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018360.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 50.860 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018385.D

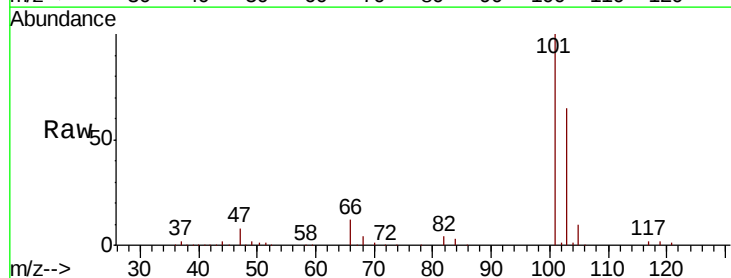
Acq: 22 Sep 2020 10:38

Tgt Ion:101 Resp: 151736

Ion Ratio Lower Upper

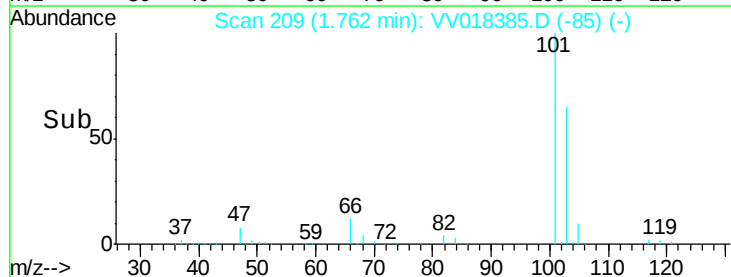
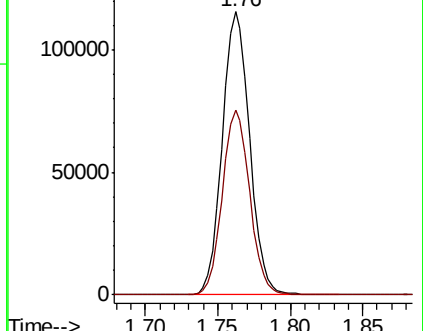
101 100

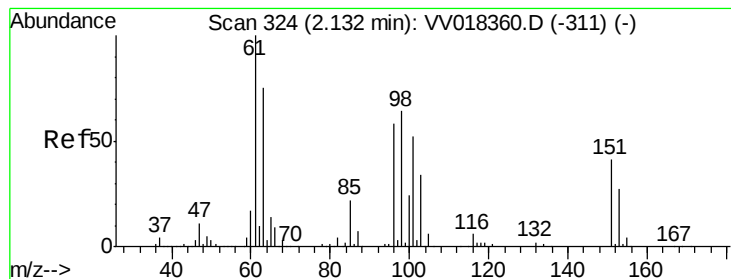
103 65.1 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV018360.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018360.D (-199) (-)





#10

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

Concen: 52.434 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

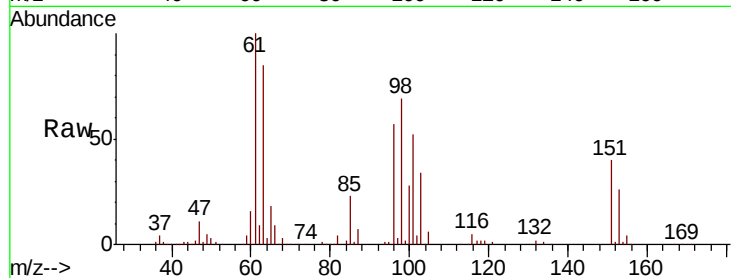
Tot Ion:101 Resp: 93965

Ion Ratio Lower Upper

101 100

85 42.8 33.5 50.3

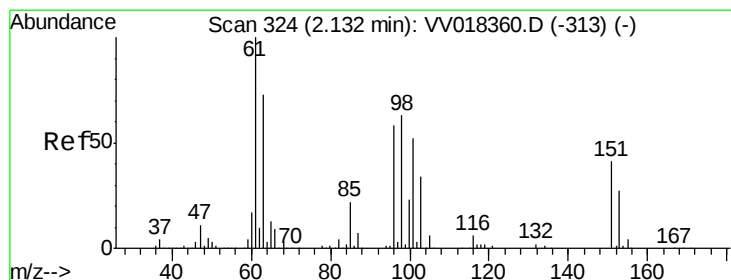
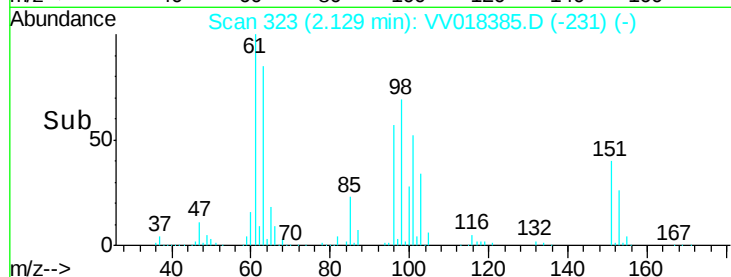
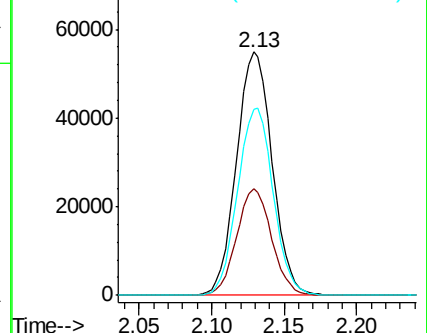
151 76.9 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): VV018360.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018360.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018360.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 50.557 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

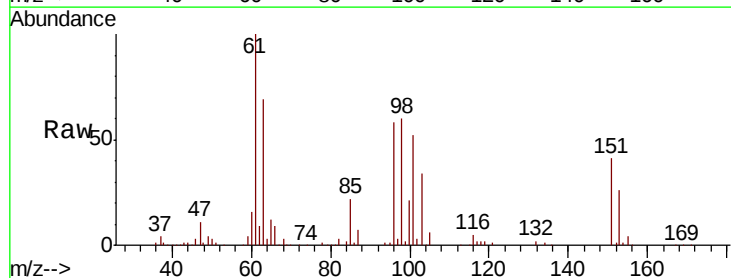
Tgt Ion: 96 Resp: 88158

Ion Ratio Lower Upper

96 100

61 173.3 122.9 228.3

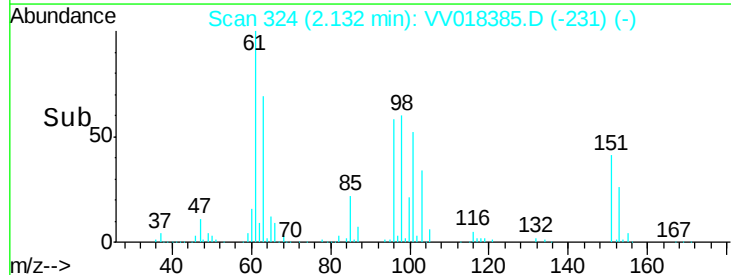
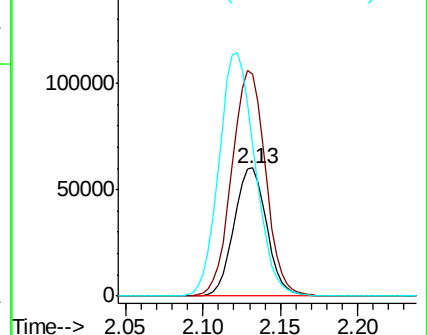
63 118.8 91.9 170.7

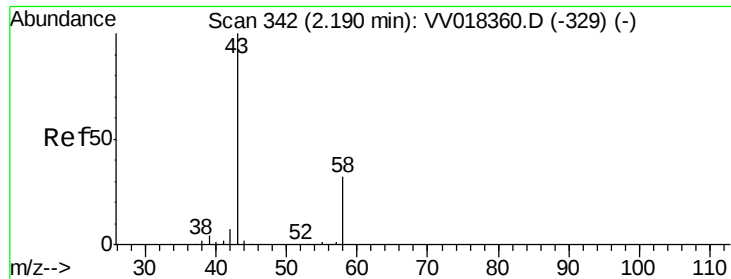


Abundance Ion 96.00 (95.70 to 96.70): VV018360.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV018360.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV018360.D (-313) (-)





#13

Acetone

Concen: 132.646 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

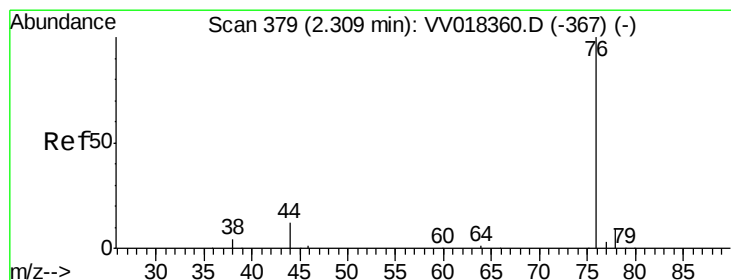
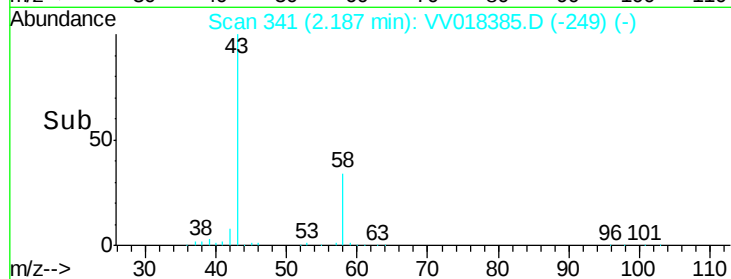
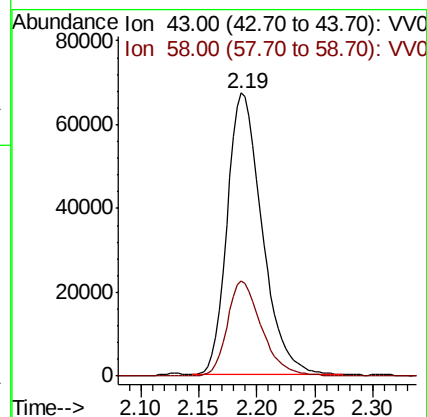
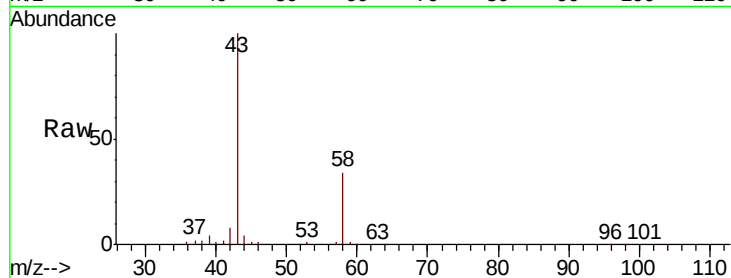
VSTD05083

Tot Ion: 43 Resp: 140707

Ion Ratio Lower Upper

43 100

58 33.0 0.0 67.4



#14

Carbon disulfide

Concen: 48.601 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018385.D

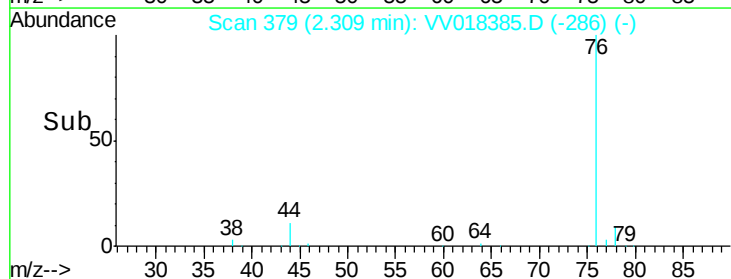
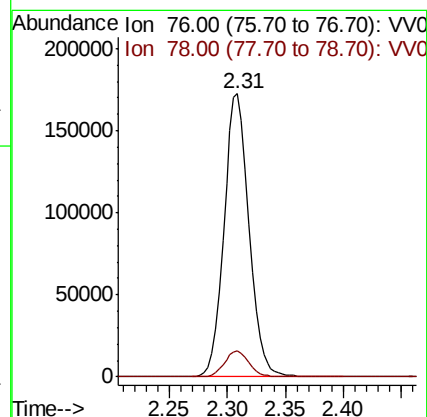
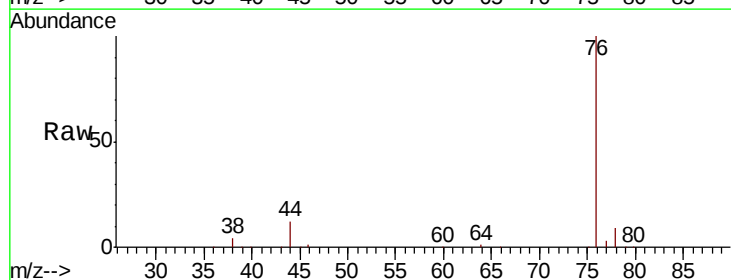
Acq: 22 Sep 2020 10:38

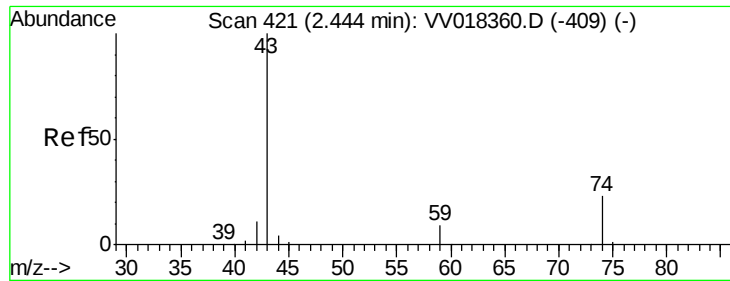
Tgt Ion: 76 Resp: 259318

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

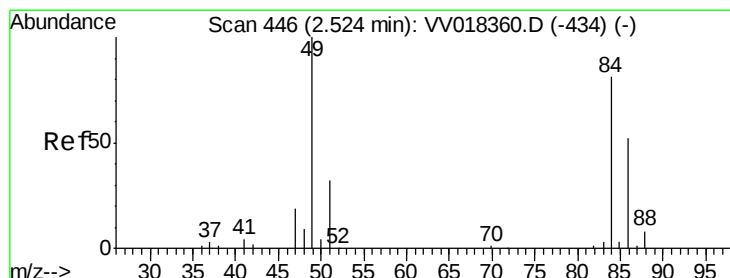
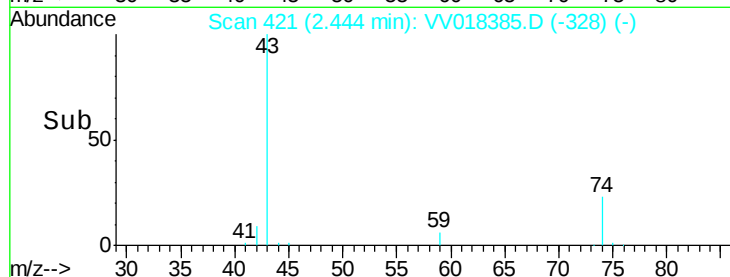
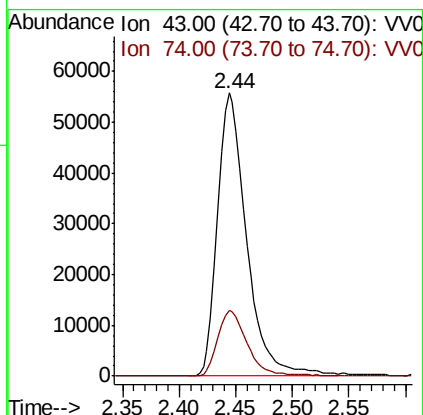
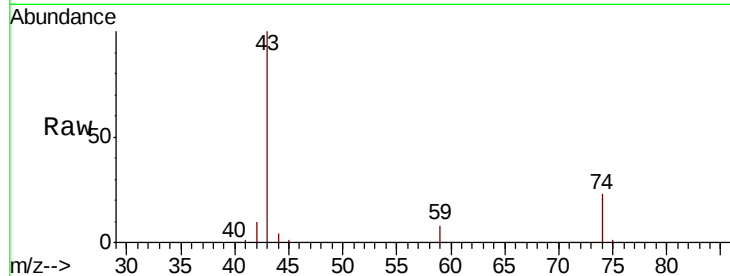




#15
Methyl Acetate
Concen: 52.429 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV018385.D
Acq: 22 Sep 2020 10:38

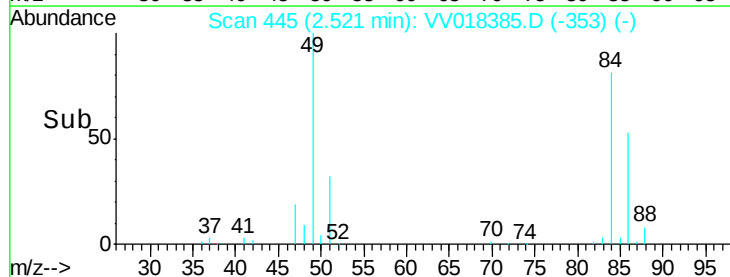
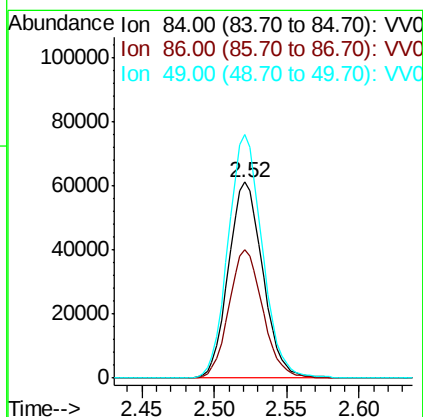
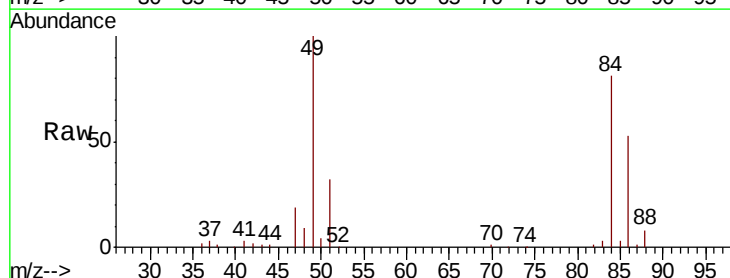
Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

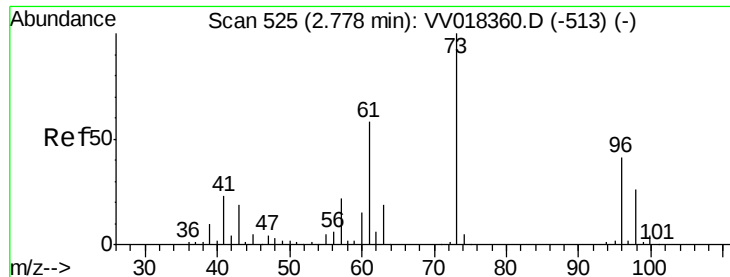
Tot Ion: 43 Resp: 99948
Ion Ratio Lower Upper
43 100
74 23.4 18.4 27.6



#16
Methylene chloride
Concen: 51.601 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018385.D
Acq: 22 Sep 2020 10:38

Tgt Ion: 84 Resp: 100911
Ion Ratio Lower Upper
84 100
86 65.4 44.4 82.4
49 124.2 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 50.979 ug/L

RT: 2.77 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

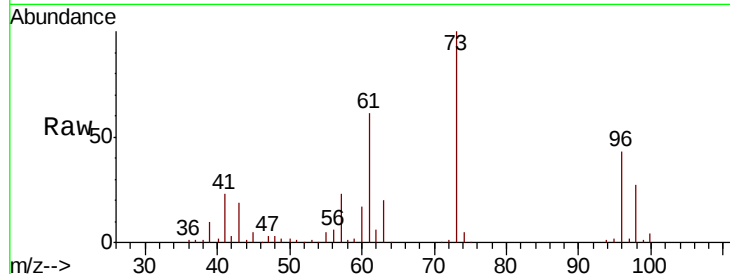
Tot Ion: 96 Resp: 91612

Ion Ratio Lower Upper

96 100

61 143.7 100.7 186.9

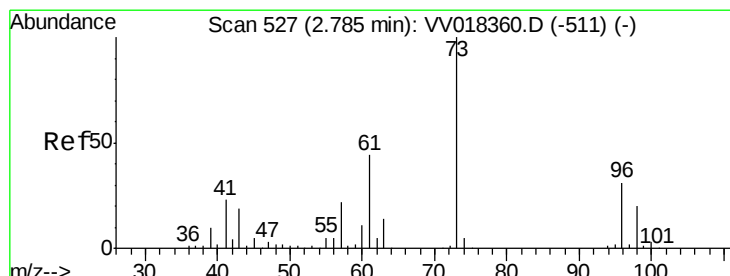
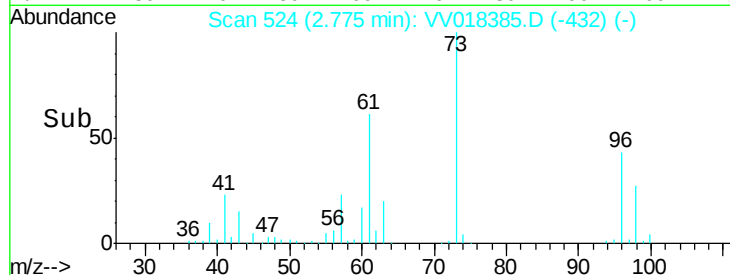
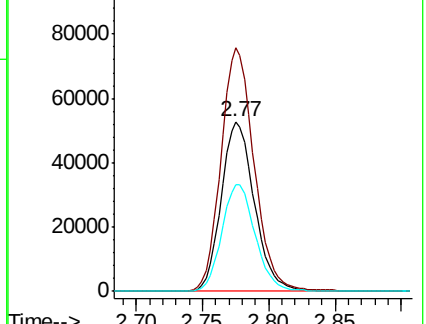
98 63.1 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV018385.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV018385.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV018385.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 52.446 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

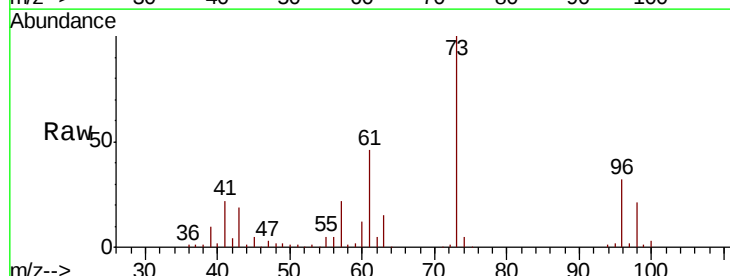
Tgt Ion: 73 Resp: 291542

Ion Ratio Lower Upper

73 100

43 19.0 15.4 23.0

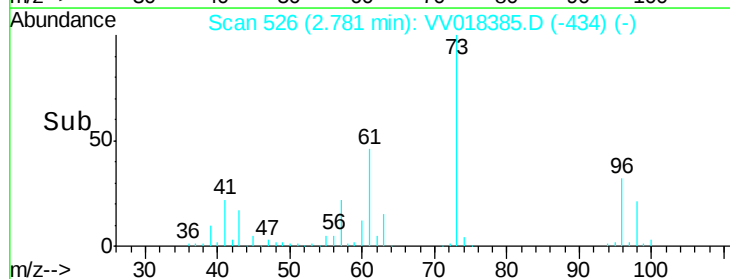
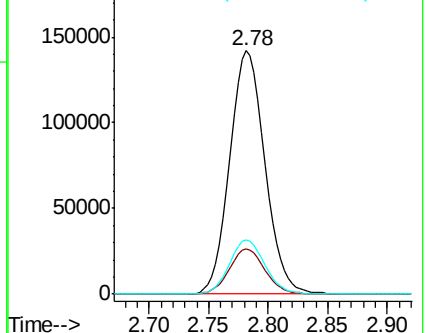
57 22.4 18.0 27.0

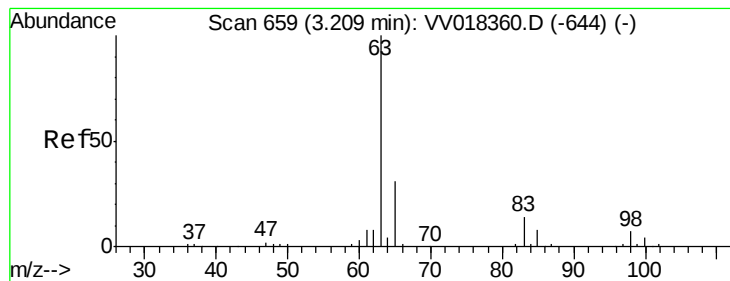


Abundance Ion 73.00 (72.70 to 73.70): VV018385.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV018385.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV018385.D (-434) (-)





#19

1,1-Dichloroethane

Concen: 51.612 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampled :

VSTD05083

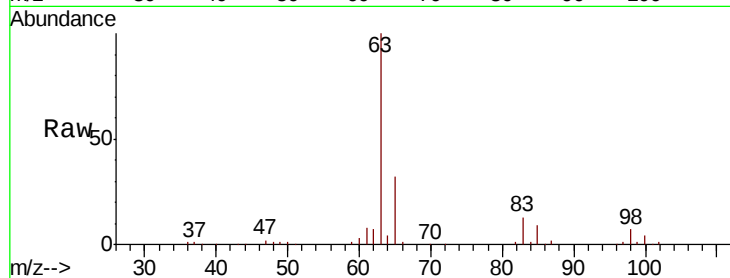
Tot Ion: 63 Resp: 175360

Ion Ratio Lower Upper

63 100

65 32.4 22.5 41.7

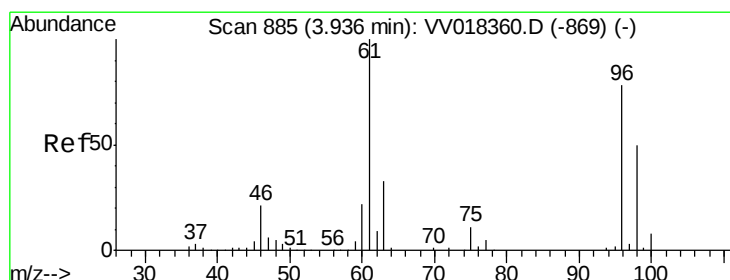
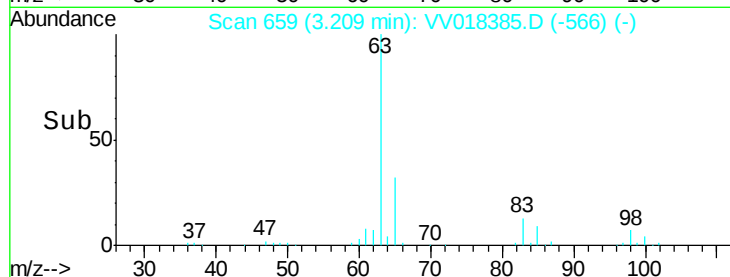
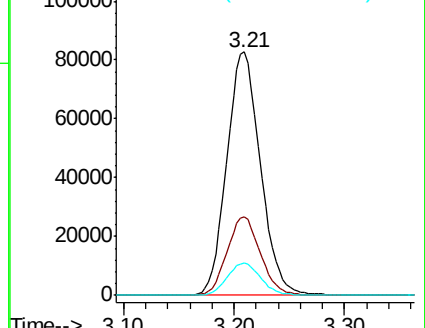
83 13.4 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 51.474 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

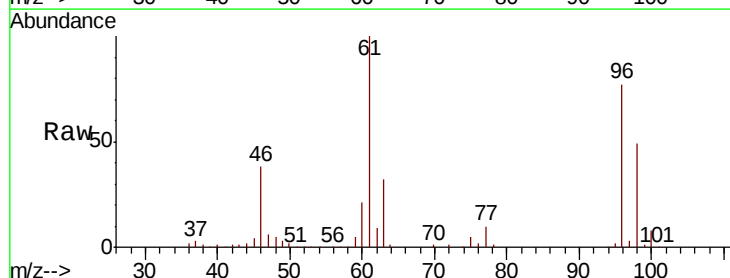
Tgt Ion: 96 Resp: 98882

Ion Ratio Lower Upper

96 100

61 130.1 93.6 173.8

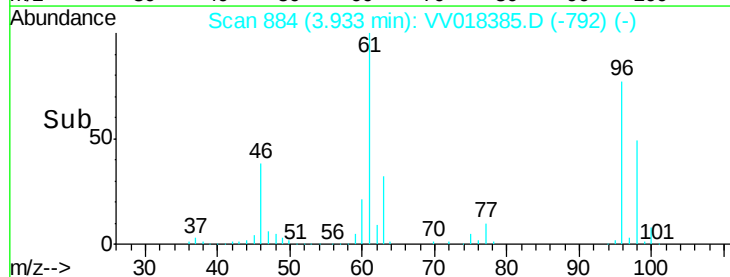
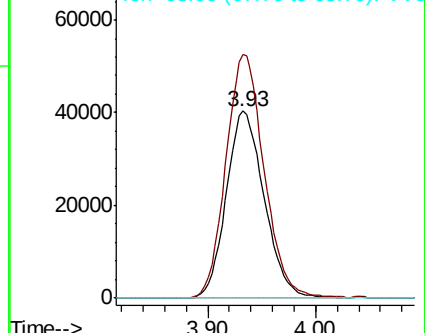
68 0.0 0.0 0.0

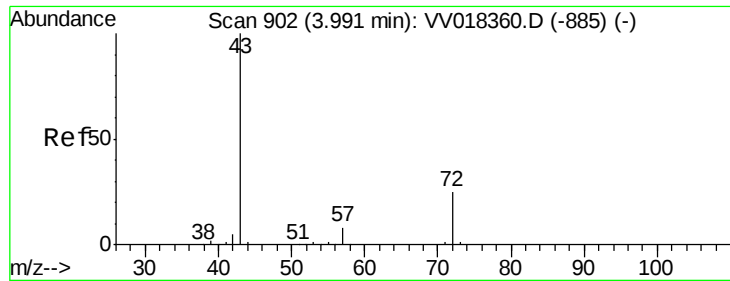


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 128.553 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

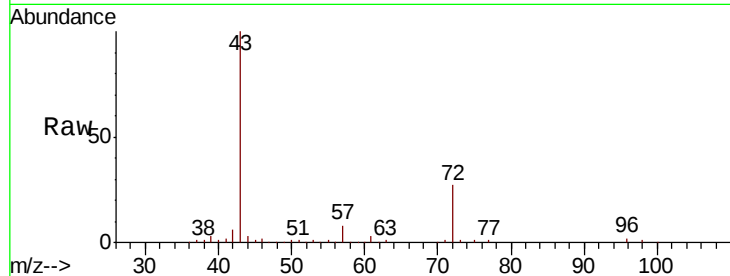
VSTD05083

Tot Ion: 43 Resp: 161476

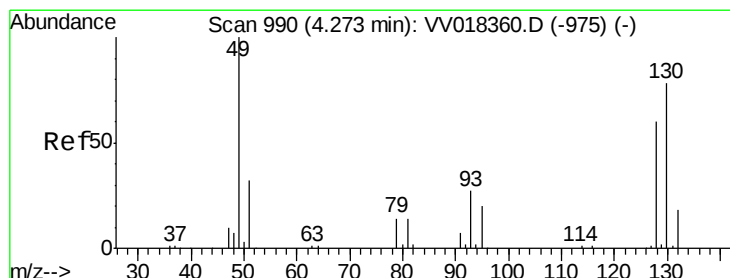
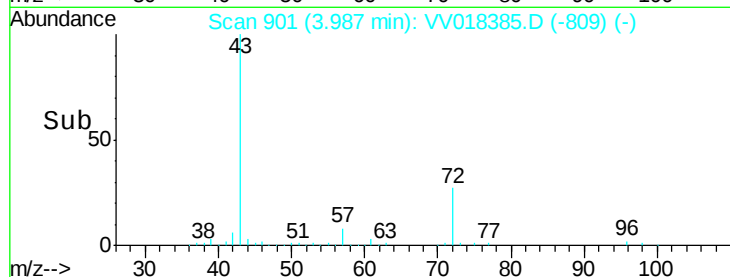
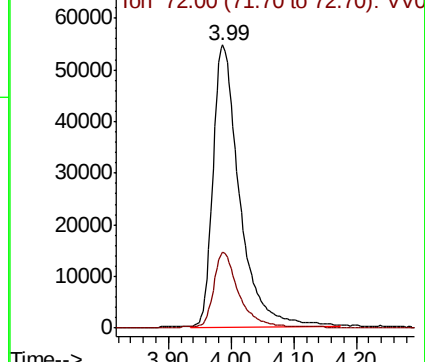
Ion Ratio Lower Upper

43 100

72 24.7 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018360.D (-885) (-)



#23

Bromochloromethane

Concen: 53.131 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Tgt Ion:128 Resp: 53401

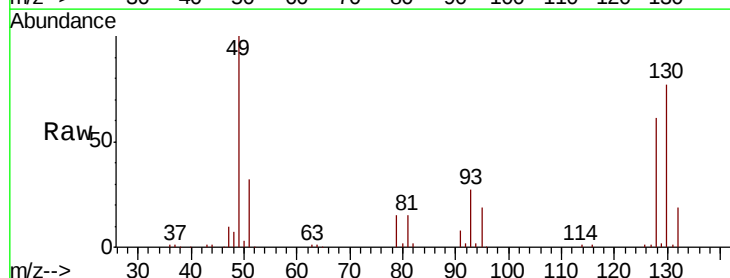
Ion Ratio Lower Upper

128 100

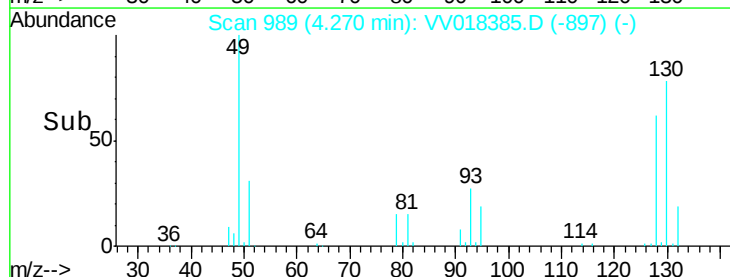
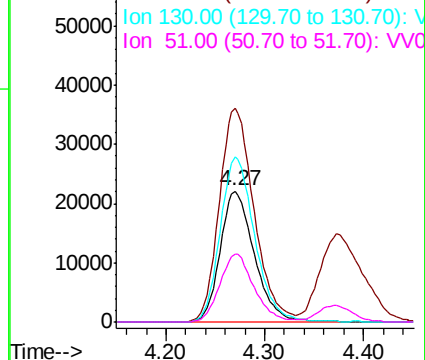
49 163.4 114.4 212.6

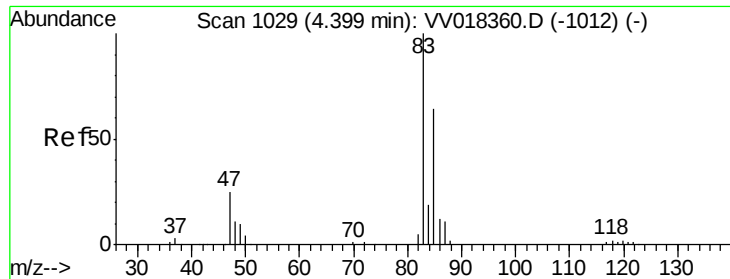
130 126.2 87.9 163.3

51 51.7 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VV018360.D (-975) (-)

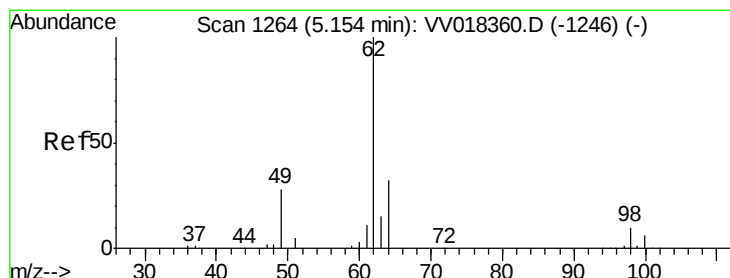
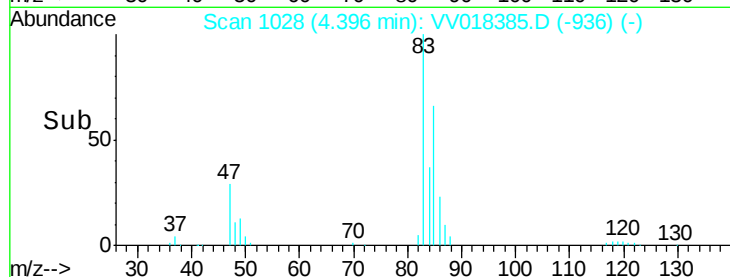
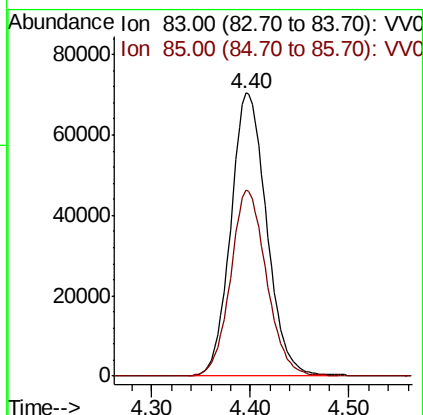
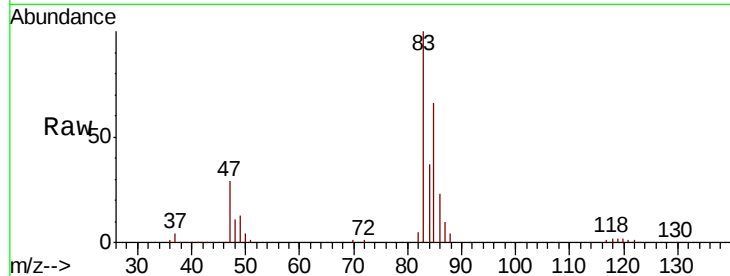




#25
Chloroform
Concen: 51.600 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV018385.D
Acq: 22 Sep 2020 10:38

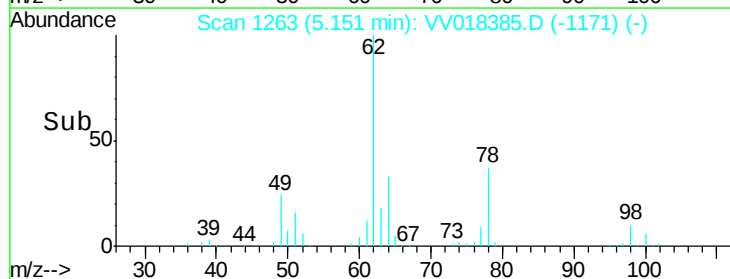
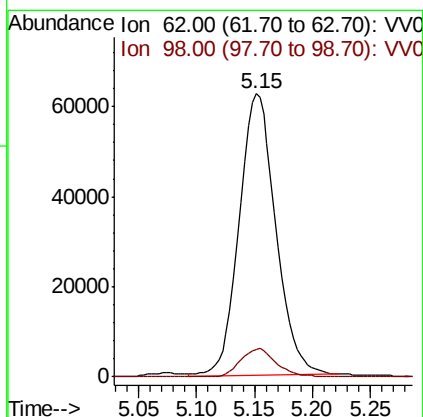
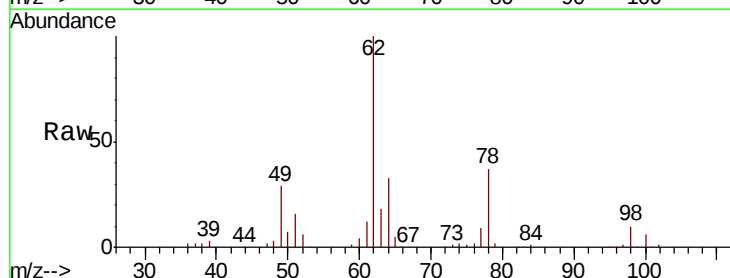
Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

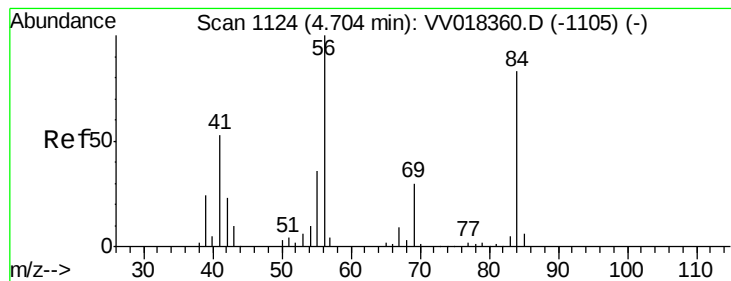
Tot Ion: 83 Resp: 178213
Ion Ratio Lower Upper
83 100
85 65.6 45.0 83.6



#27
1,2-Dichloroethane
Concen: 51.419 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018385.D
Acq: 22 Sep 2020 10:38

Tgt Ion: 62 Resp: 137480
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4





#29

Cyclohexane

Concen: 51.335 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

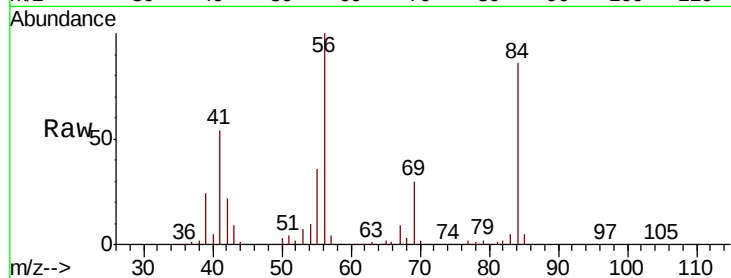
Tot Ion: 56 Resp: 156205

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

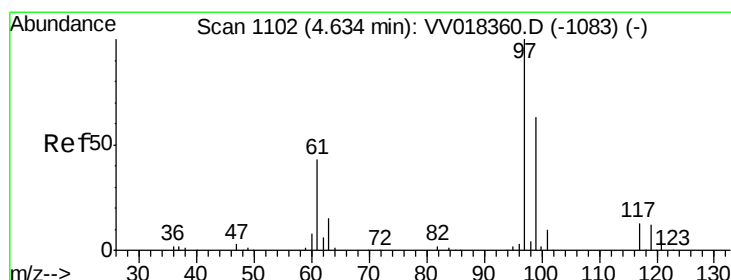
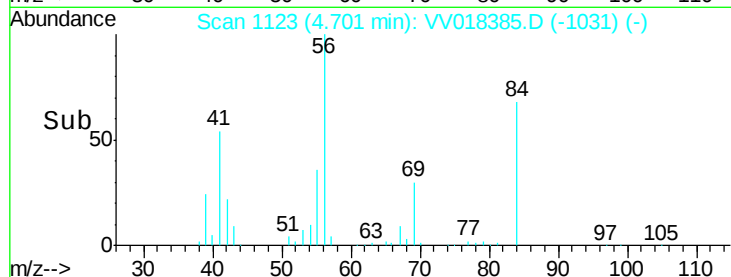
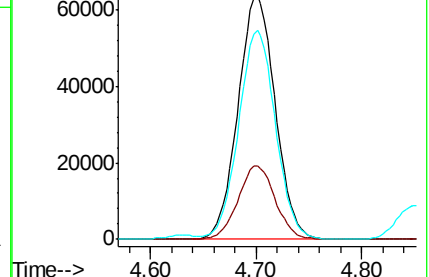
84 85.2 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VV018360.D (-1105) (-)

Ion 69.00 (68.70 to 69.70): VV018360.D (-1105) (-)

Ion 84.00 (83.70 to 84.70): VV018360.D (-1105) (-)



#30

1,1,1-Trichloroethane

Concen: 50.430 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

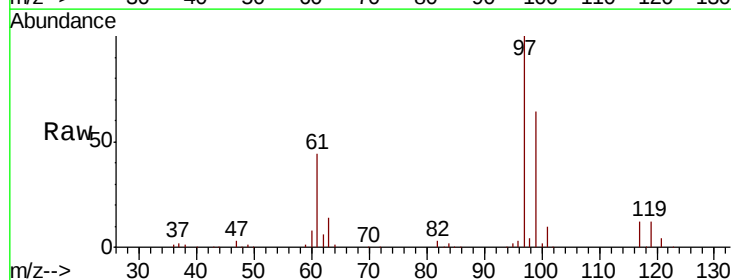
Tgt Ion: 97 Resp: 154222

Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

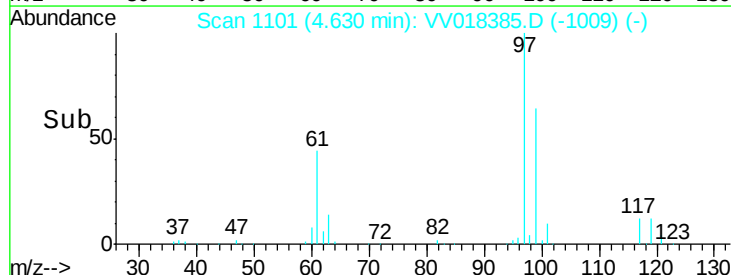
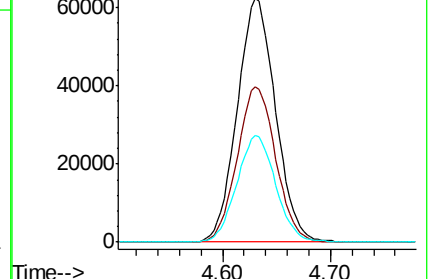
61 44.3 34.9 52.3

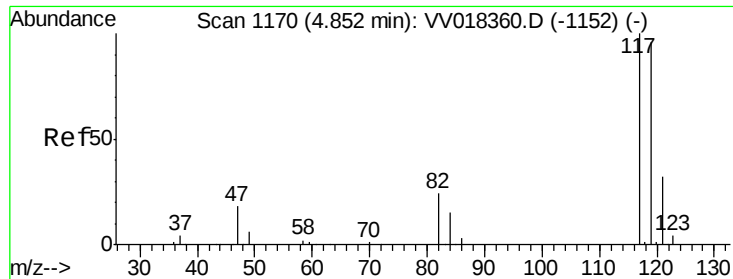


Abundance Ion 97.00 (96.70 to 97.70): VV018360.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV018360.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV018360.D (-1083) (-)

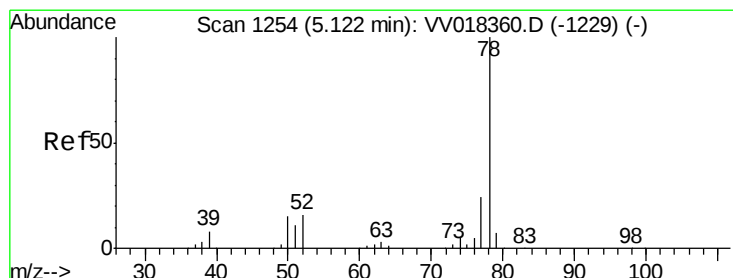
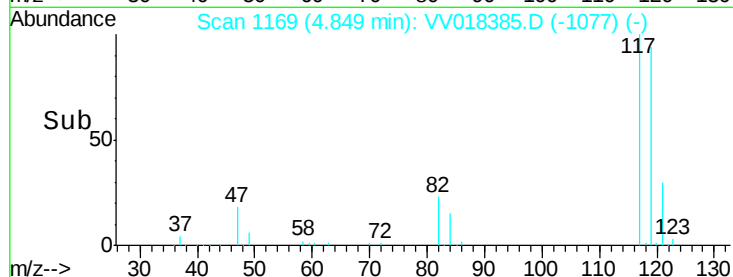
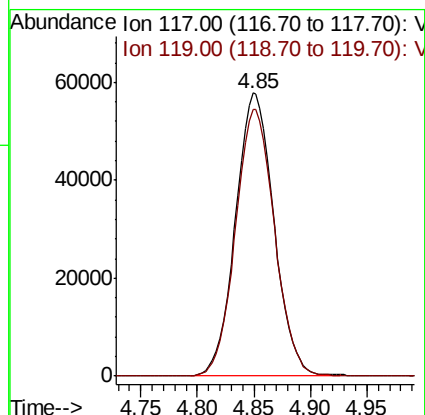
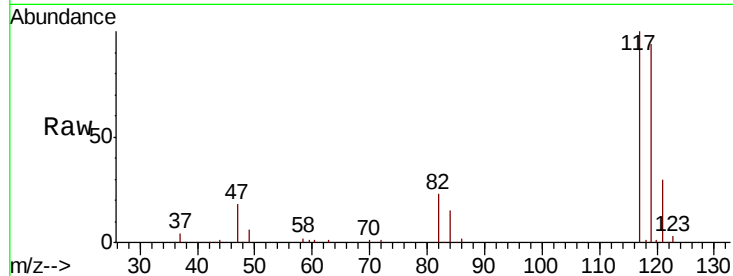




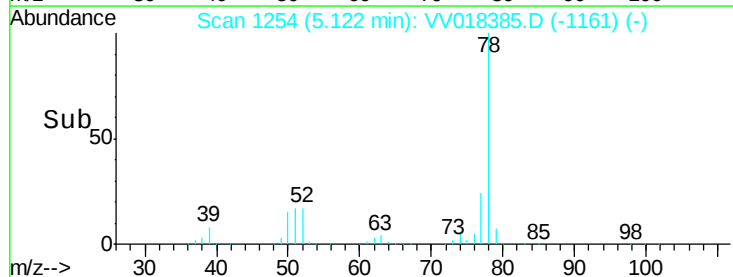
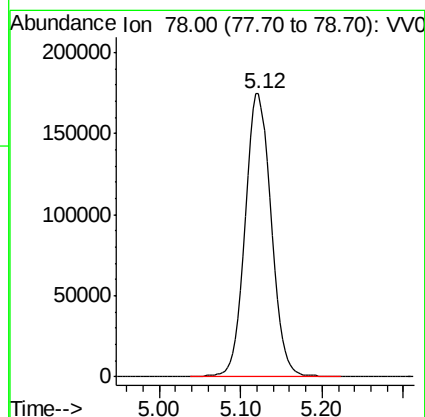
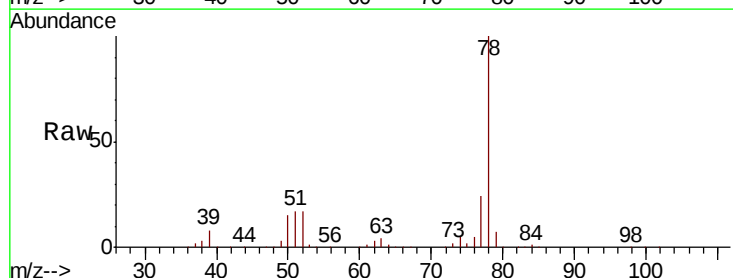
#31
Carbon tetrachloride
Concen: 50.764 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VV018385.D
Acq: 22 Sep 2020 10:38

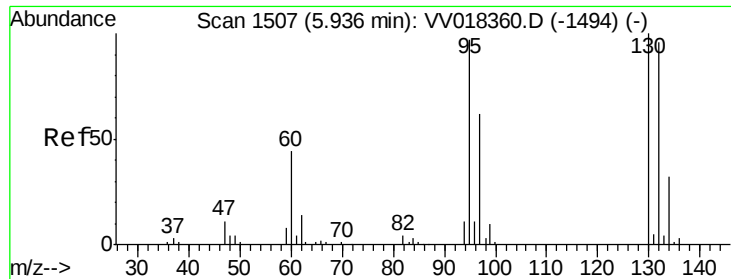
Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

Tot Ion:117 Resp: 136507
Ion Ratio Lower Upper
117 100
119 95.6 75.7 113.5



#33
Benzene
Concen: 51.005 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV018385.D
Acq: 22 Sep 2020 10:38
Tgt Ion: 78 Resp: 384274

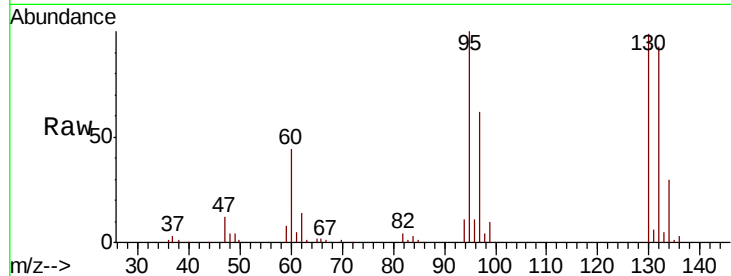




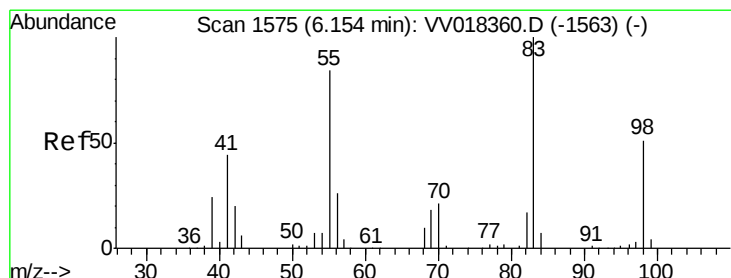
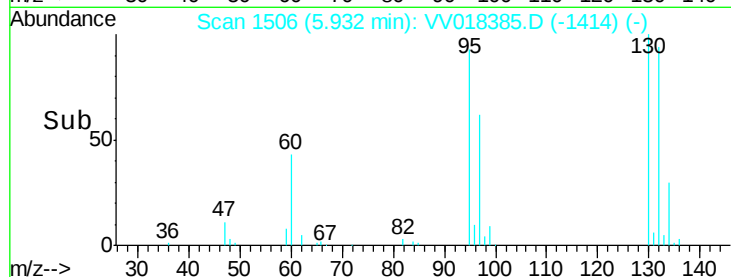
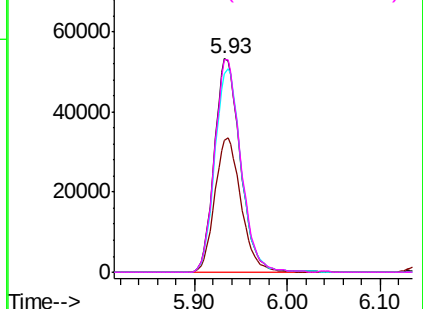
#34
 Trichloroethene
 Concen: 50.491 ug/L
 RT: 5.93 min Scan# 1506
 Delta R.T. -0.00 min
 Lab File: VV018385.D
 Acq: 22 Sep 2020 10:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

Tot Ion: 95 Resp: 103626
 Ion Ratio Lower Upper
 95 100
 97 61.9 46.3 85.9
 132 93.2 68.1 126.5
 130 99.3 71.5 132.9

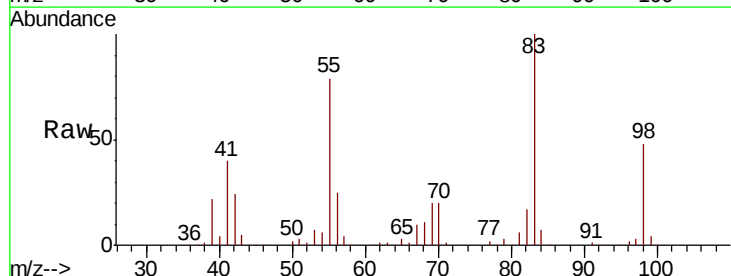


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

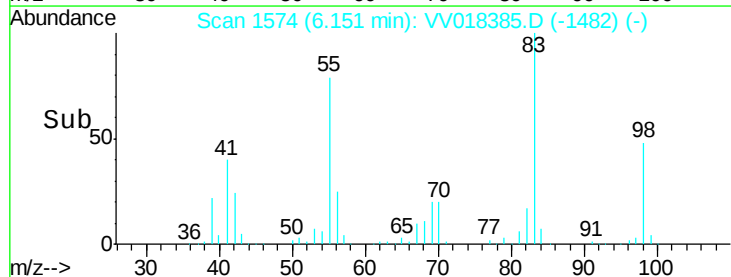
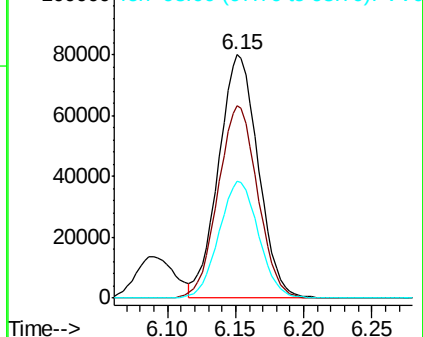


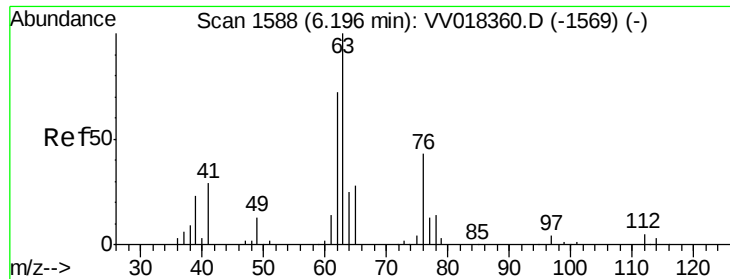
#35
 Methylcyclohexane
 Concen: 52.038 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV018385.D
 Acq: 22 Sep 2020 10:38

Tgt Ion: 83 Resp: 160807
 Ion Ratio Lower Upper
 83 100
 55 79.3 63.4 95.2
 98 48.2 38.8 58.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

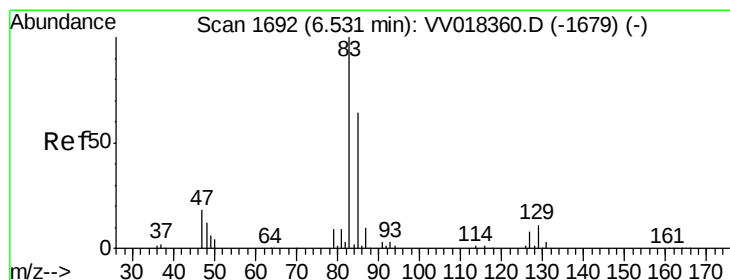
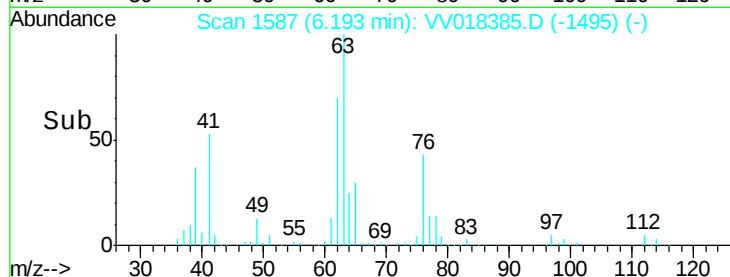
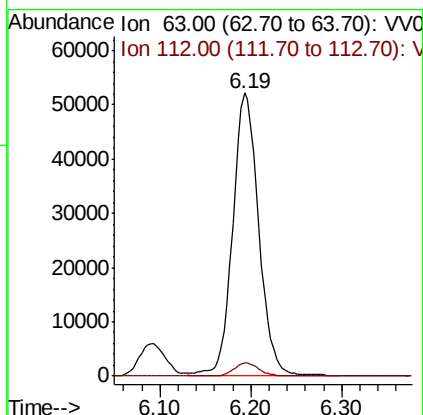
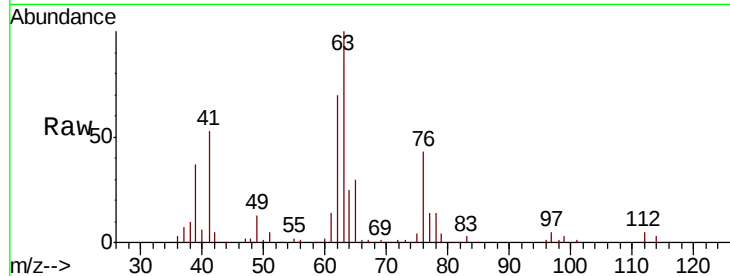




#37
 1,2-Dichloropropane
 Concen: 51.713 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018385.D
 Acq: 22 Sep 2020 10:38

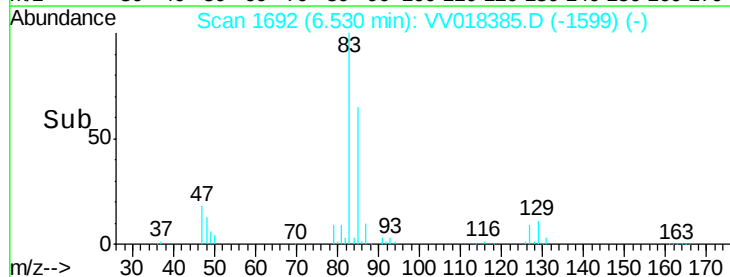
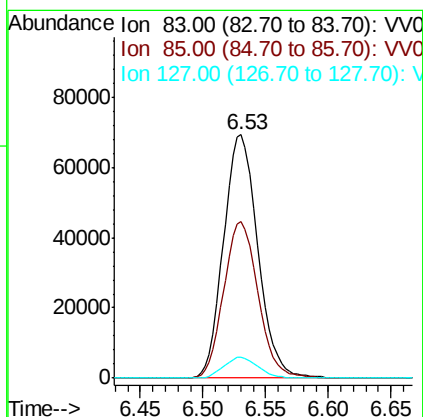
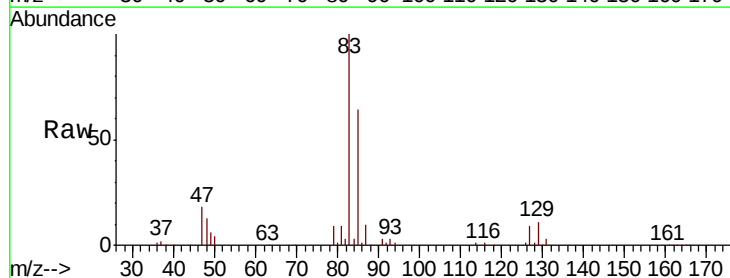
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

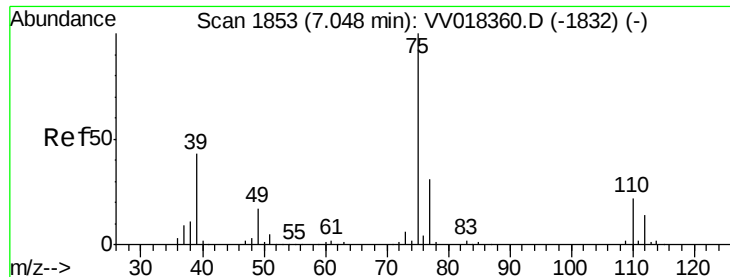
Tot Ion: 63 Resp: 103243
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 50.674 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018385.D
 Acq: 22 Sep 2020 10:38

Tgt Ion: 83 Resp: 131655
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.7 82.9
 127 8.6 6.7 10.1

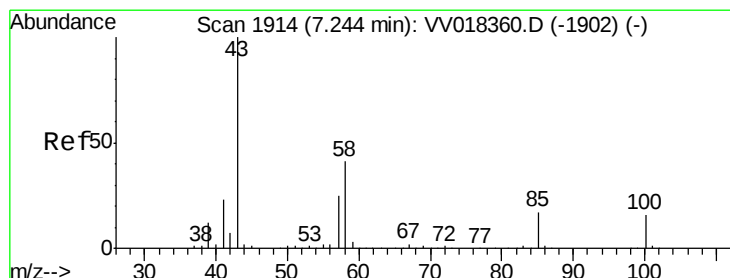
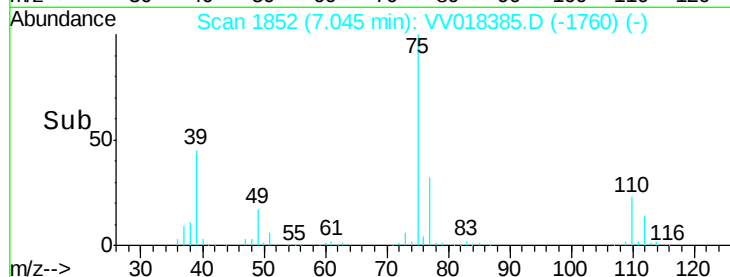
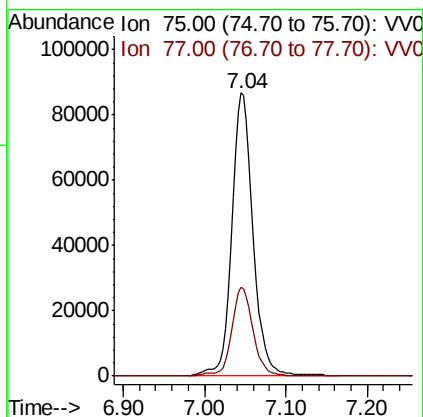
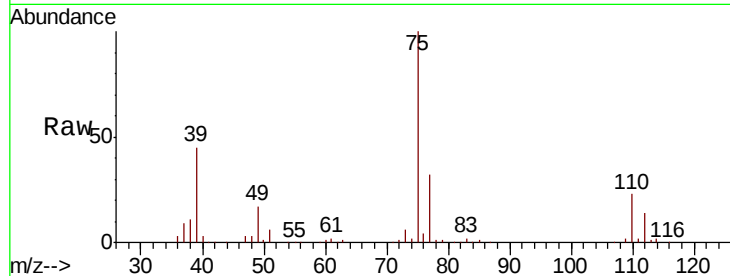




#39
 cis-1,3-Dichloropropene
 Concen: 51.803 ug/L
 RT: 7.04 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018385.D
 Acq: 22 Sep 2020 10:38

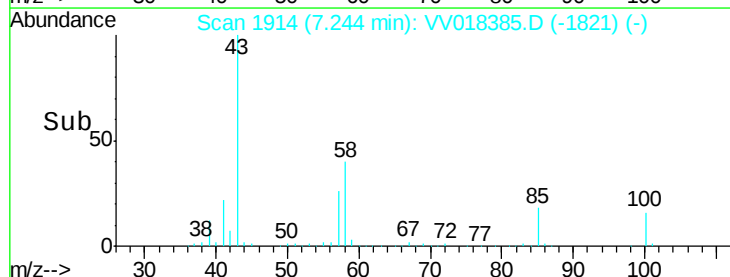
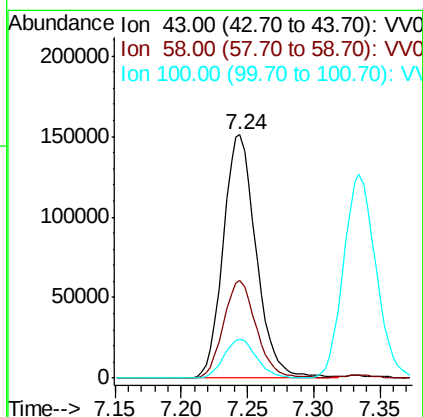
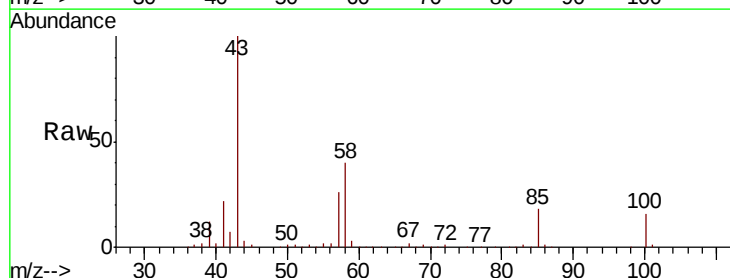
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

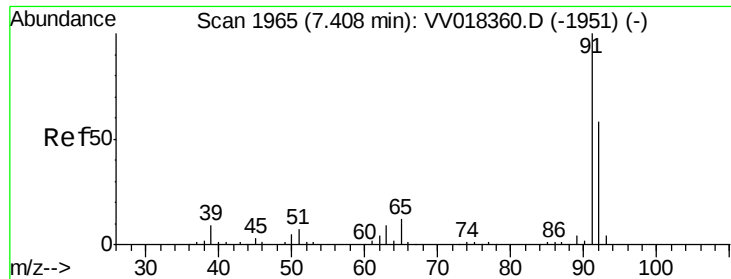
Tot Ion: 75 Resp: 159350
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 107.731 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018385.D
 Acq: 22 Sep 2020 10:38

Tgt Ion: 43 Resp: 260926
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.4 48.6
 100 15.8 12.7 19.1





#42

Toluene

Concen: 52.144 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

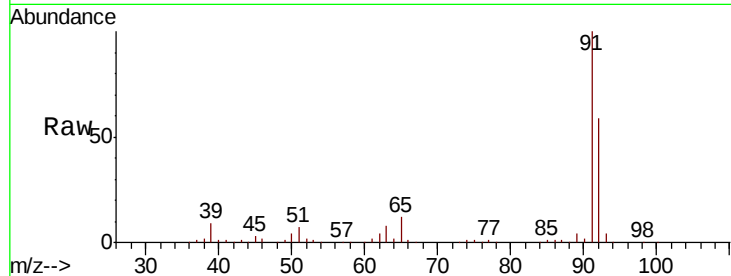
VSTD05083

Tot Ion: 91 Resp: 415747

Ion Ratio Lower Upper

91 100

92 58.7 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

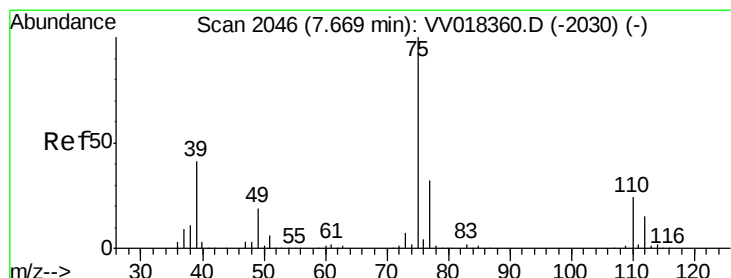
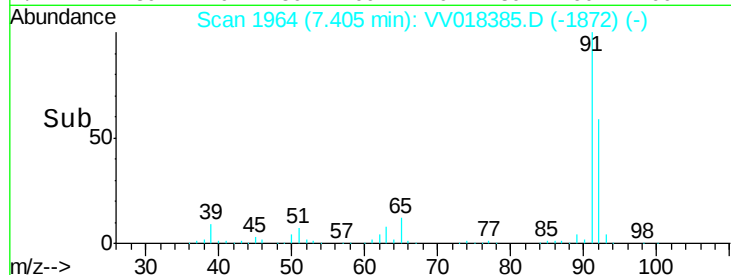
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 52.405 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018385.D

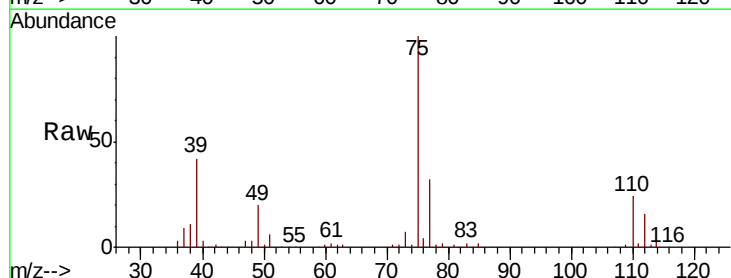
Acq: 22 Sep 2020 10:38

Tgt Ion: 75 Resp: 156956

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

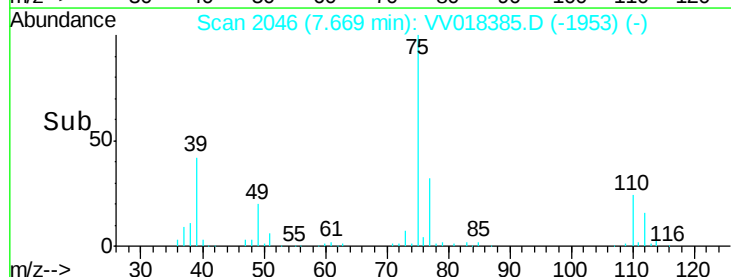
60000

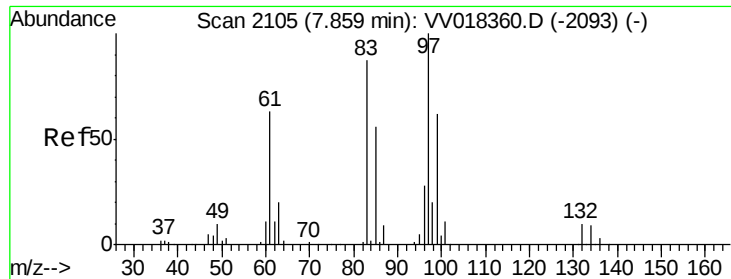
40000

20000

0

Time--> 7.60 7.70 7.80

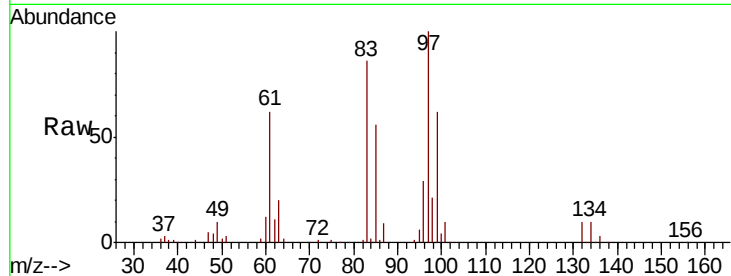




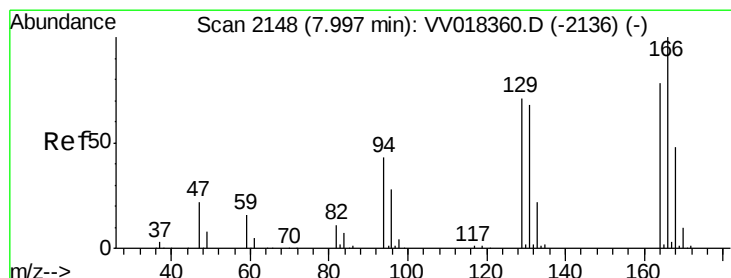
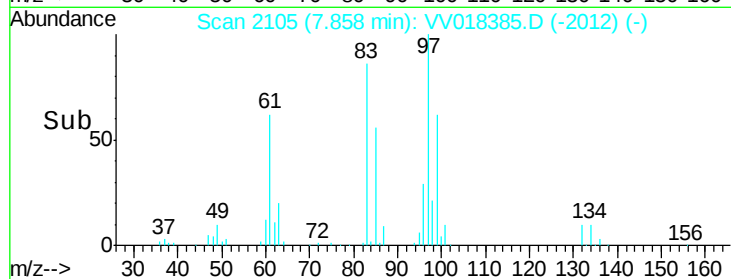
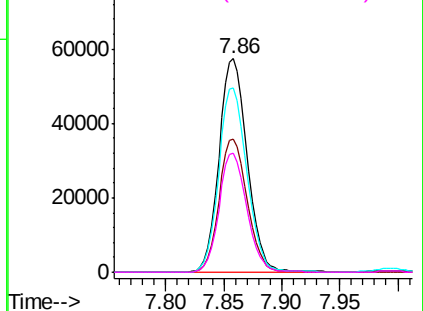
#45
 1,1,2-Trichloroethane
 Concen: 52.349 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018385.D
 Acq: 22 Sep 2020 10:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

Tot Ion:	97	Resp:	96870
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.7	81.1
83	86.3	59.9	111.3
85	55.5	37.6	69.8

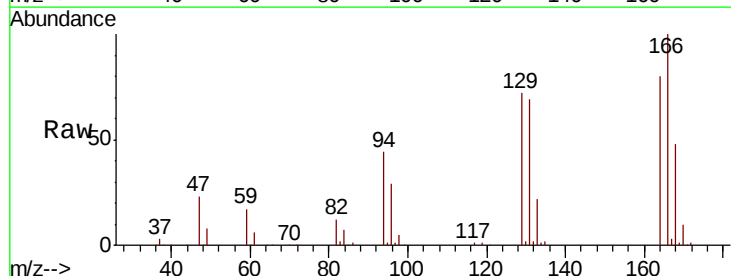


Abundance Ion 97.00 (96.70 to 97.70): VV018385.D (-2012) (-)

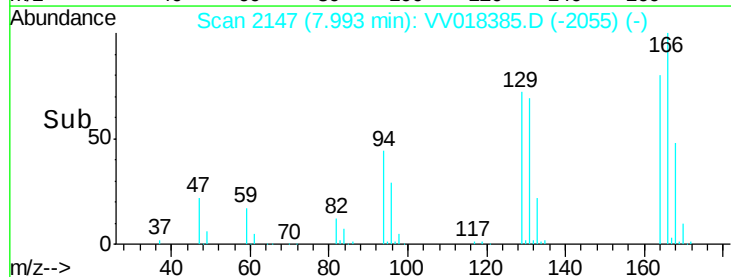
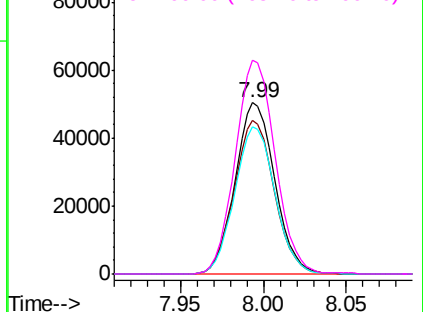


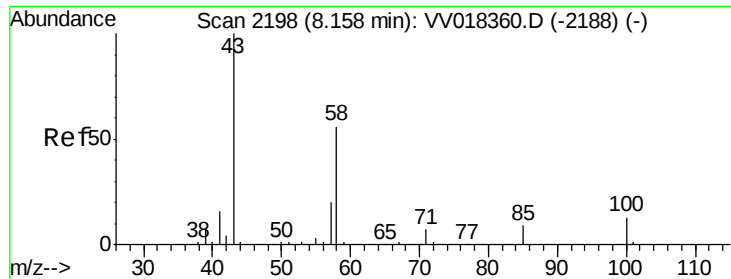
#46
 Tetrachloroethene
 Concen: 52.106 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018385.D
 Acq: 22 Sep 2020 10:38

Tgt Ion:	164	Resp:	83850
Ion	Ratio	Lower	Upper
164	100		
129	89.7	64.5	119.7
131	85.9	61.8	114.8
166	124.8	90.6	168.2



Abundance Ion 164.00 (163.70 to 164.70): VV018385.D (-2055) (-)

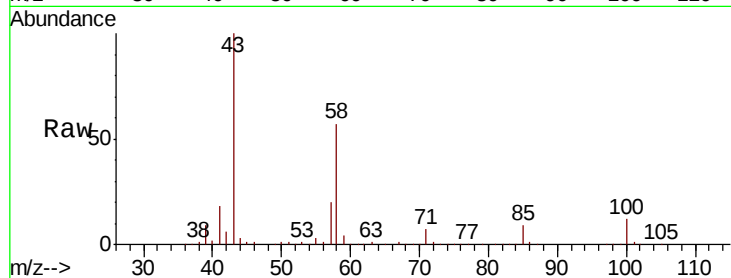




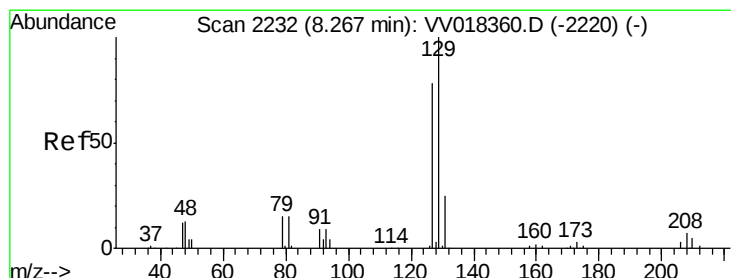
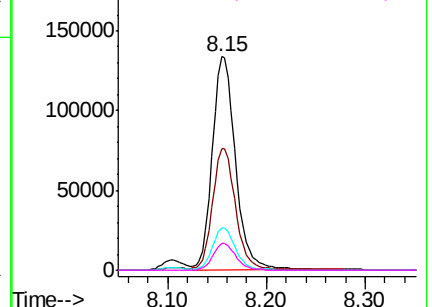
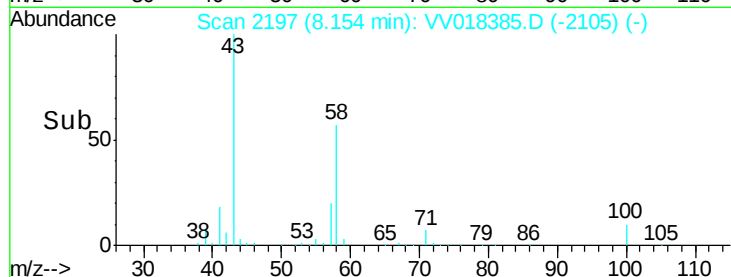
#48
2-Hexanone
Concen: 114.730 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018385.D
Acq: 22 Sep 2020 10:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

Tot Ion: 43 Resp: 219074
Ion Ratio Lower Upper
43 100
58 55.8 44.8 67.2
57 19.2 15.8 23.6
100 12.5 10.2 15.4

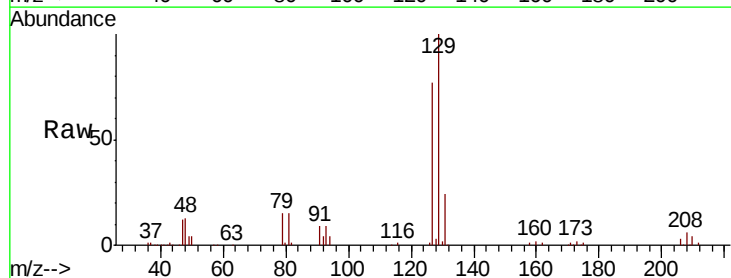


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

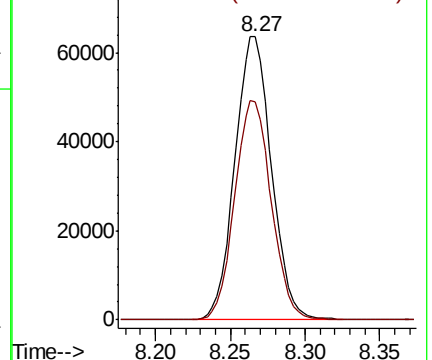
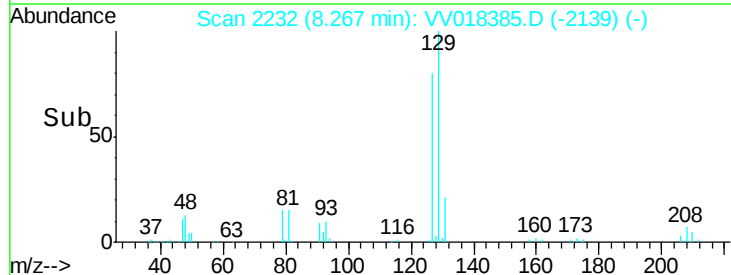


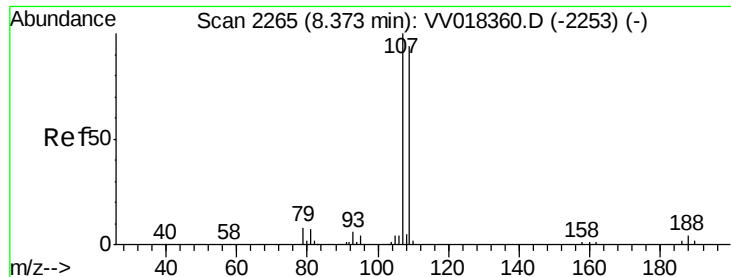
#49
Dibromochloromethane
Concen: 52.154 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018385.D
Acq: 22 Sep 2020 10:38

Tgt Ion: 129 Resp: 108329
Ion Ratio Lower Upper
129 100
127 77.2 54.5 101.1



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

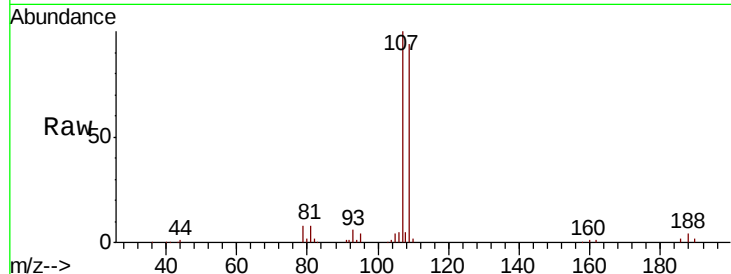




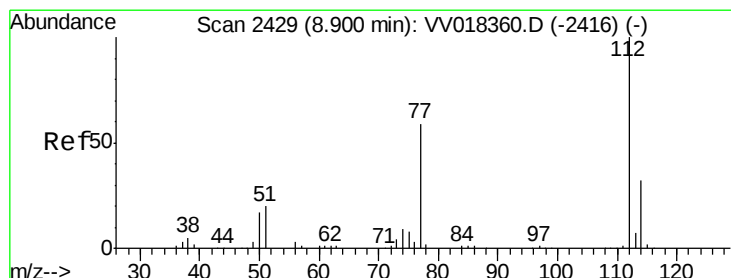
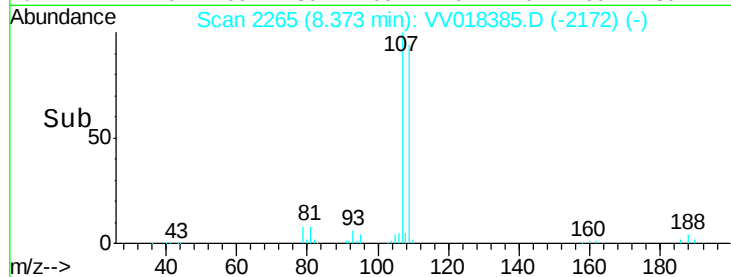
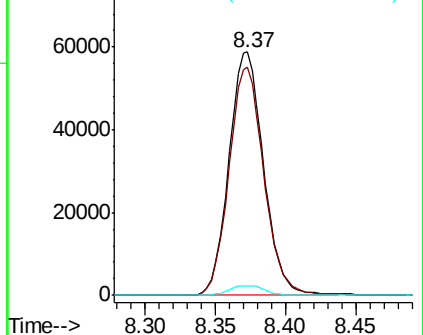
#50
1,2-Dibromoethane
Concen: 51.945 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018385.D
Acq: 22 Sep 2020 10:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD05083

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	66.1	122.8
188	4.0	3.2	4.8

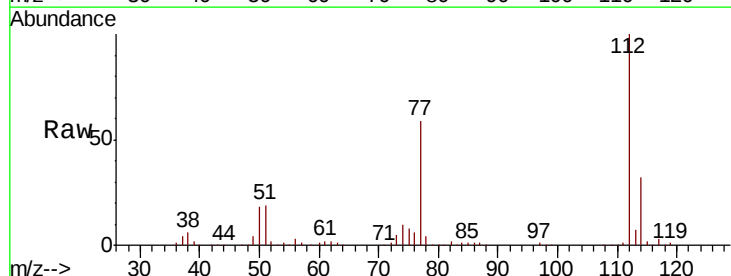


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

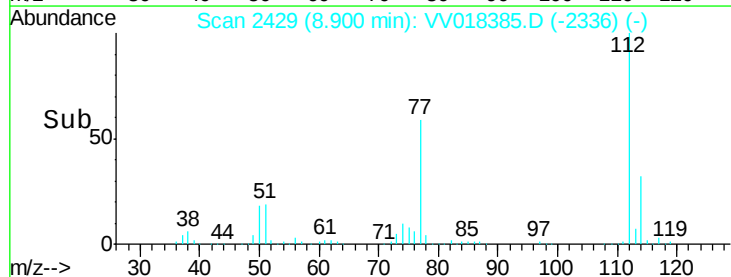
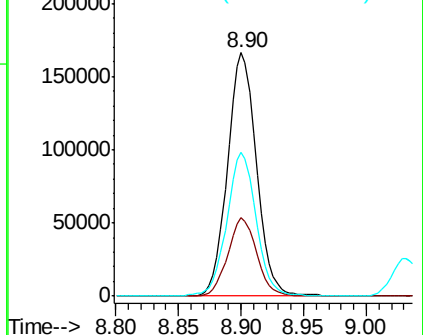


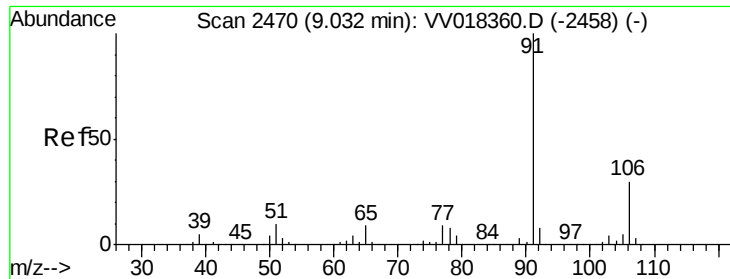
#51
Chlorobenzene
Concen: 51.553 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018385.D
Acq: 22 Sep 2020 10:38

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.6	42.0
77	58.9	48.0	72.0



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: 52.438 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleID :

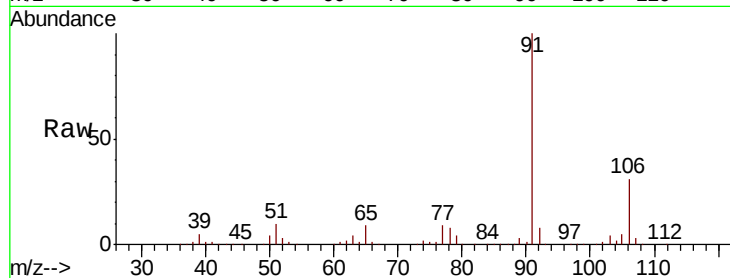
VSTD05083

Tot Ion: 91 Resp: 456455

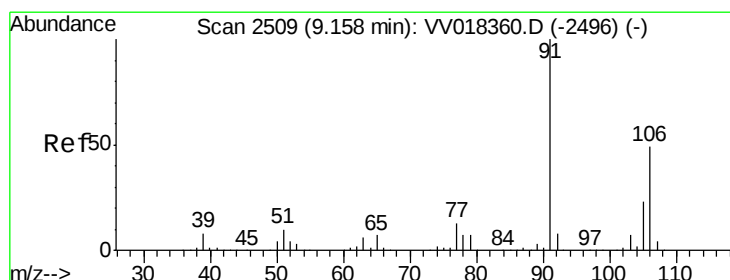
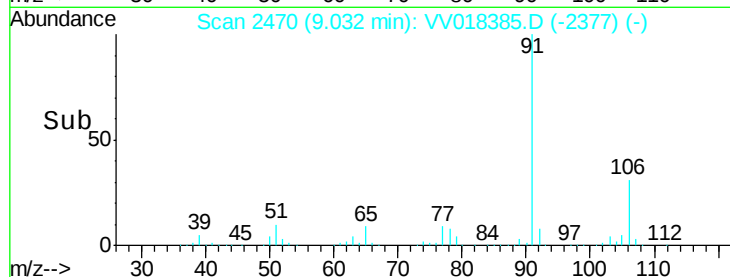
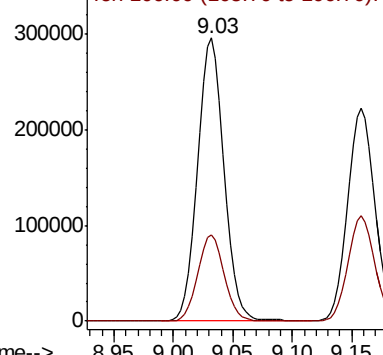
Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018385.D (-2377) (-)



#53

m,p-Xylene

Concen: 53.445 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018385.D

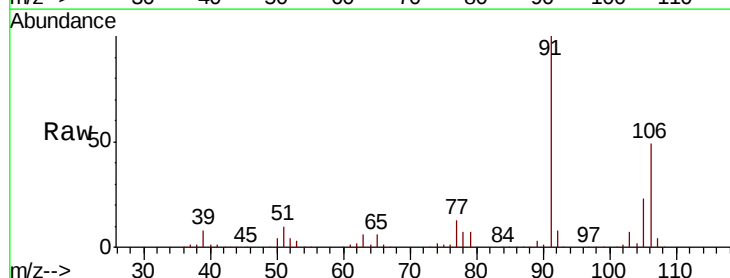
Acq: 22 Sep 2020 10:38

Tgt Ion: 106 Resp: 173647

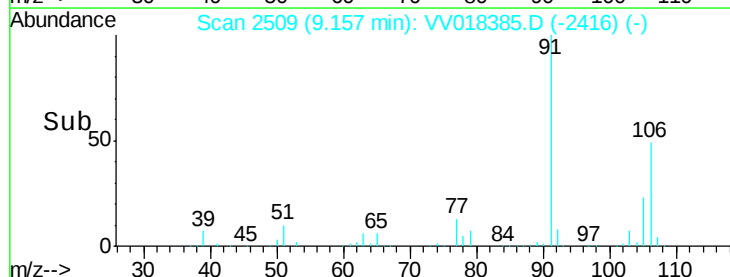
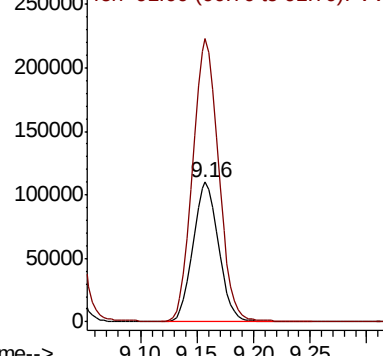
Ion Ratio Lower Upper

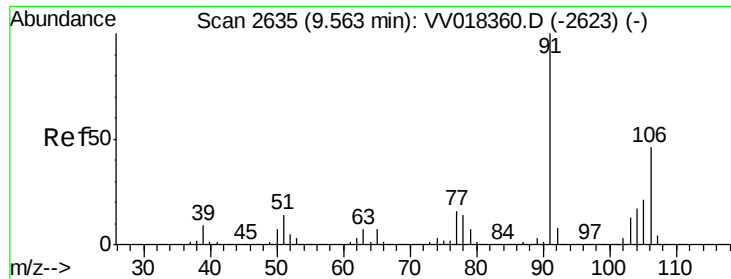
106 100

91 202.6 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018385.D (-2416) (-)





#54

o-xylene

Concen: 53.159 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

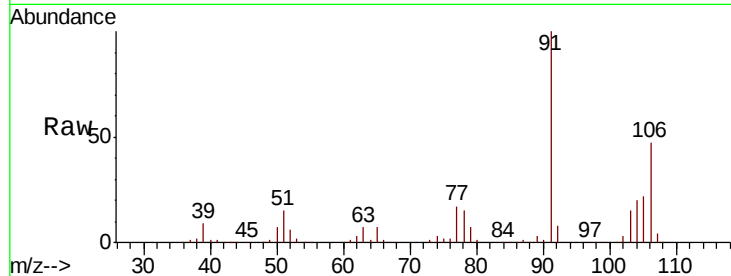
VSTD05083

Tot Ion:106 Resp: 166393

Ion Ratio Lower Upper

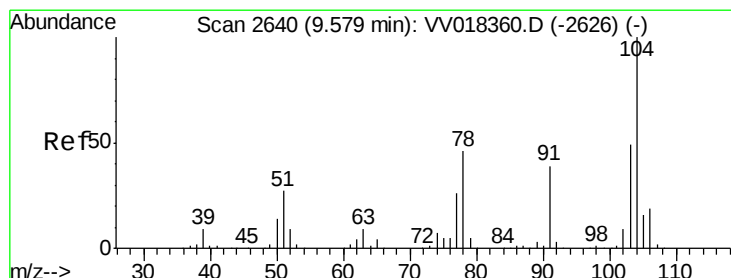
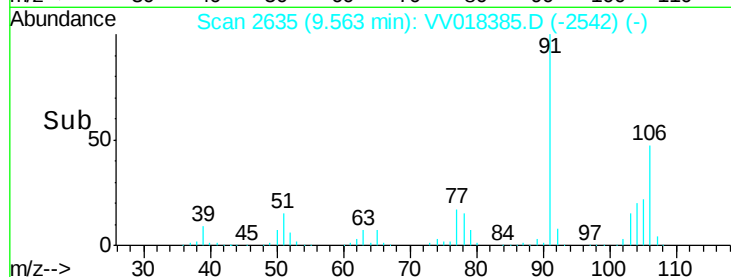
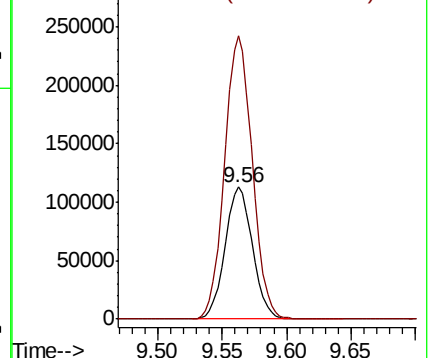
106 100

91 214.6 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.573 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018385.D

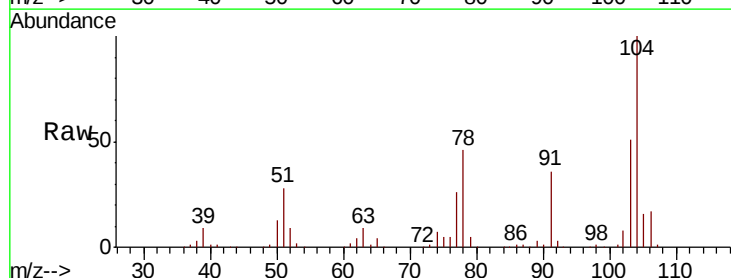
Acq: 22 Sep 2020 10:38

Tgt Ion:104 Resp: 296908

Ion Ratio Lower Upper

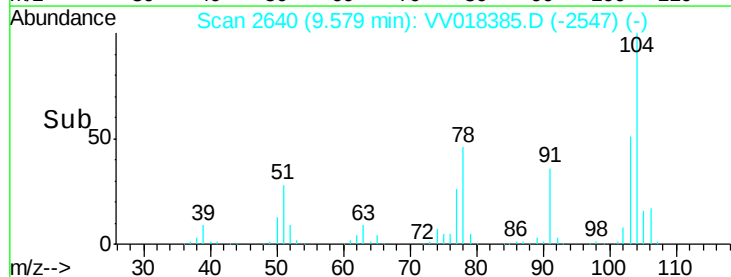
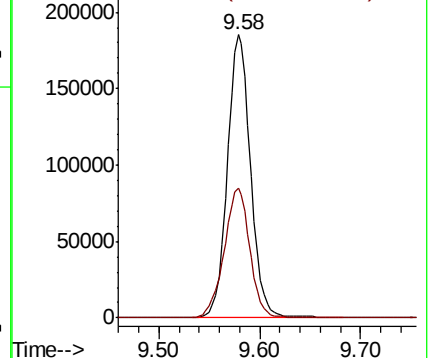
104 100

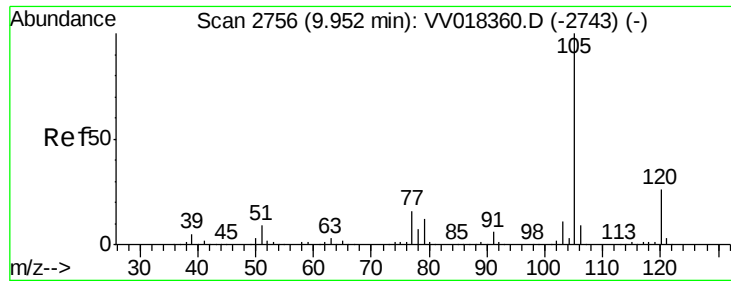
78 45.9 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.285 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

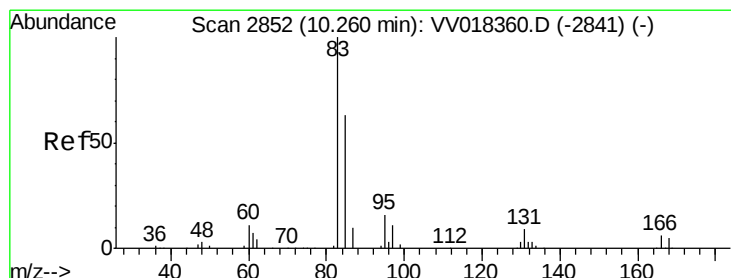
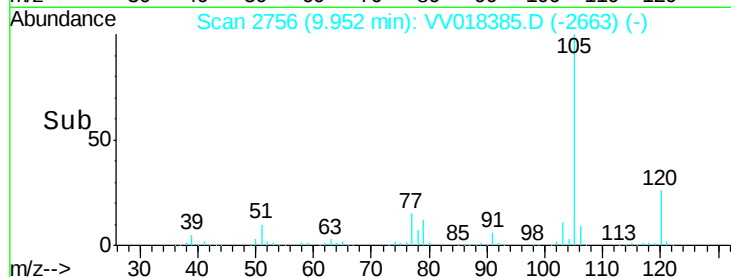
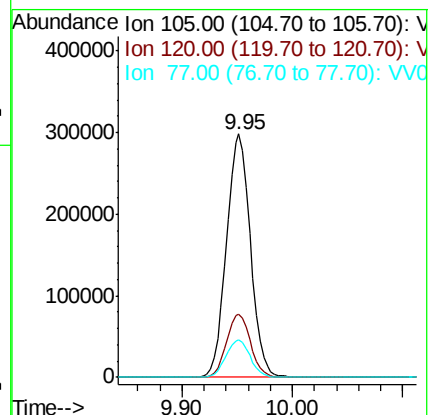
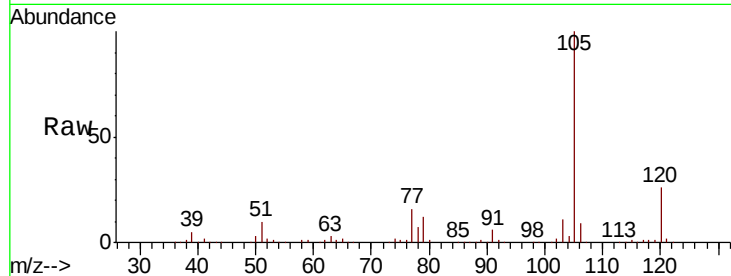
Tot Ion:105 Resp: 449505

Ion Ratio Lower Upper

105 100

120 26.0 20.9 31.3

77 15.8 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 53.325 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

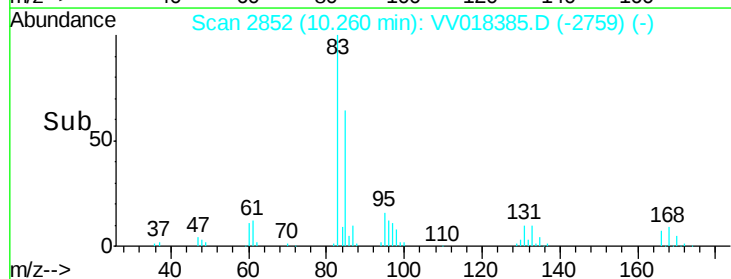
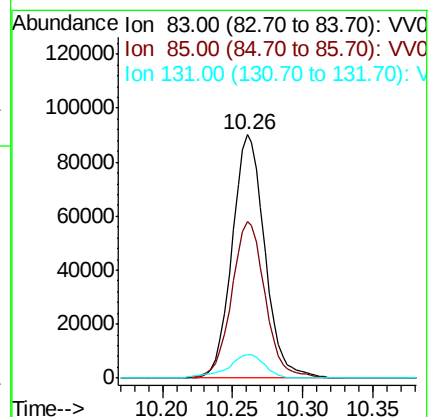
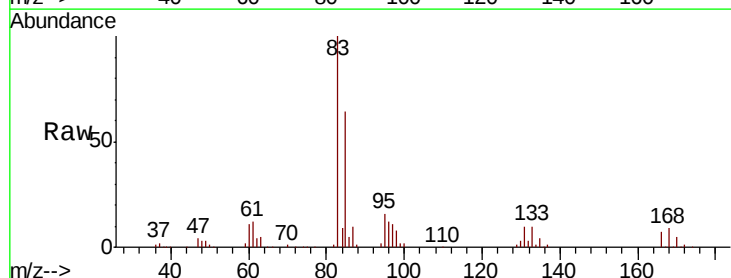
Tgt Ion: 83 Resp: 145964

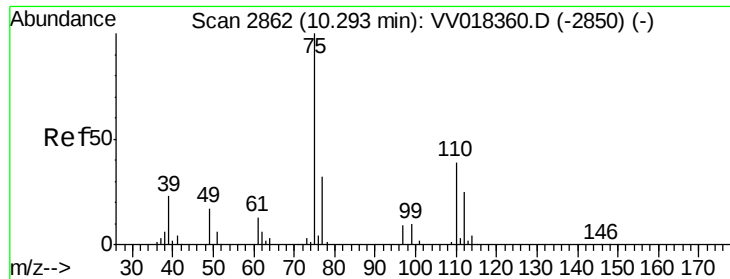
Ion Ratio Lower Upper

83 100

85 64.5 45.8 85.2

131 9.7 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 52.642 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

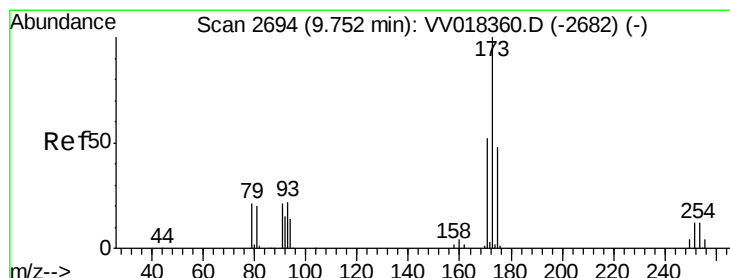
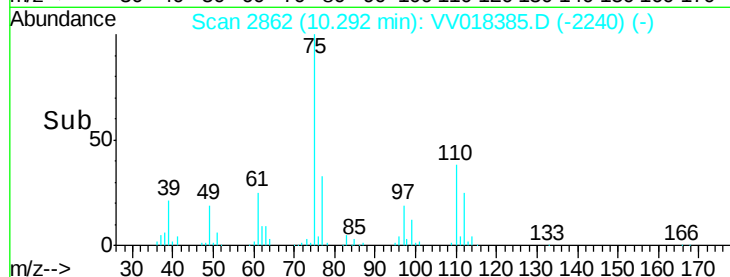
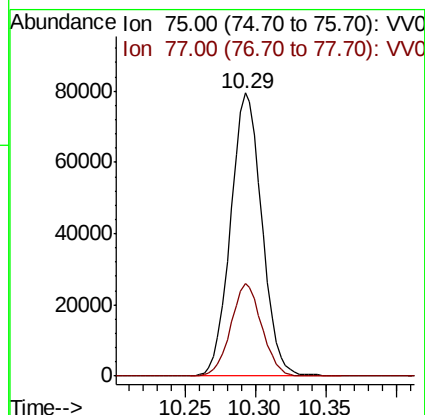
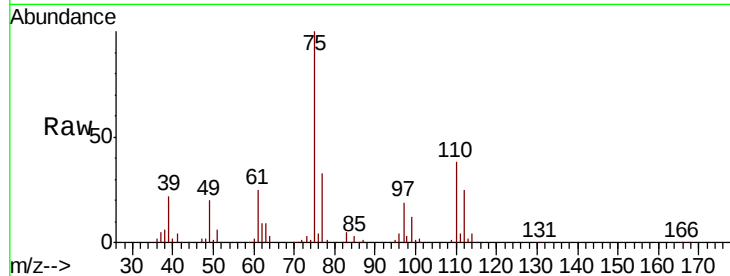
VSTD05083

Tot Ion: 75 Resp: 123613

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6



#61

Bromoform

Concen: 52.722 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

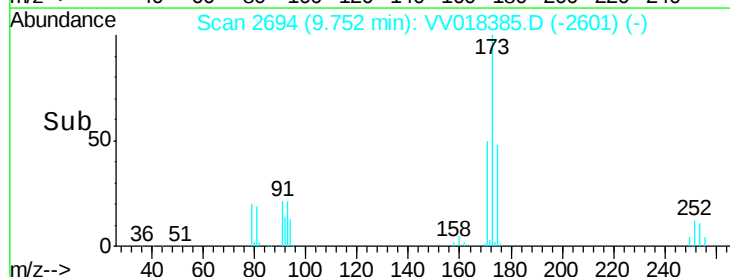
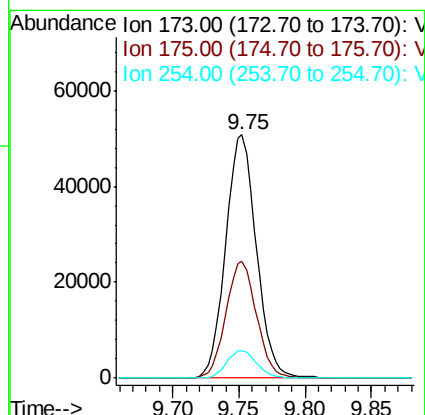
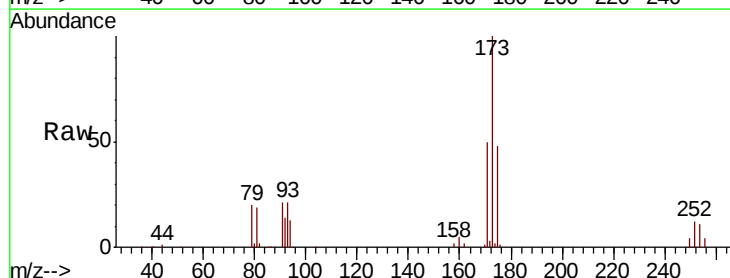
Tgt Ion: 173 Resp: 81786

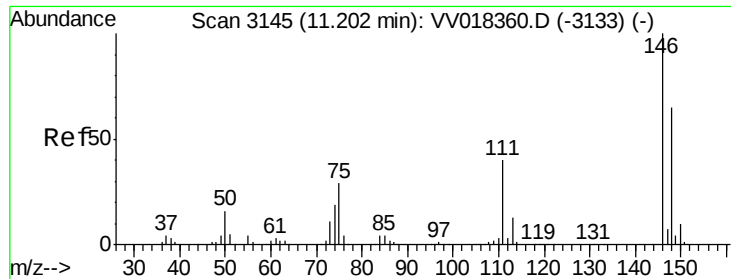
Ion Ratio Lower Upper

173 100

175 47.7 39.0 58.6

254 11.1 9.0 13.4





#62

1,3-Dichlorobenzene

Concen: 51.813 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

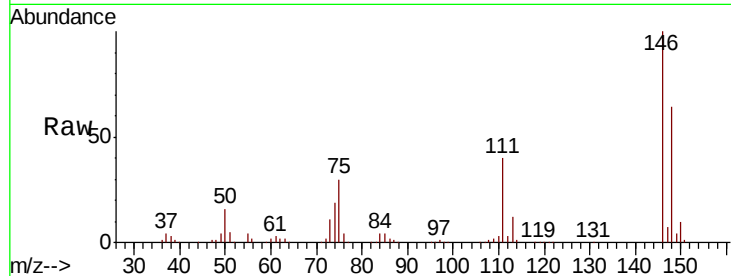
Tot Ion:146 Resp: 222477

Ion Ratio Lower Upper

146 100

111 40.0 27.6 51.2

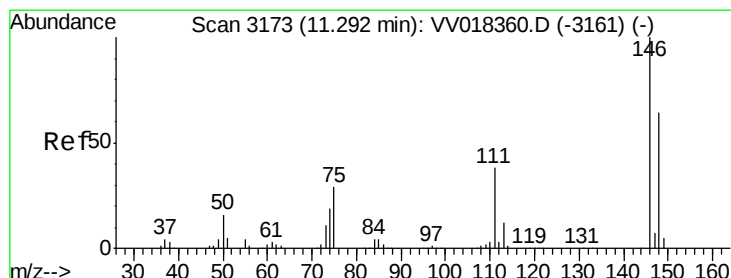
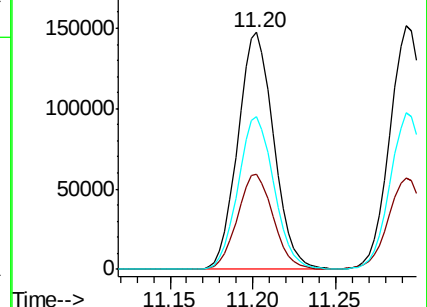
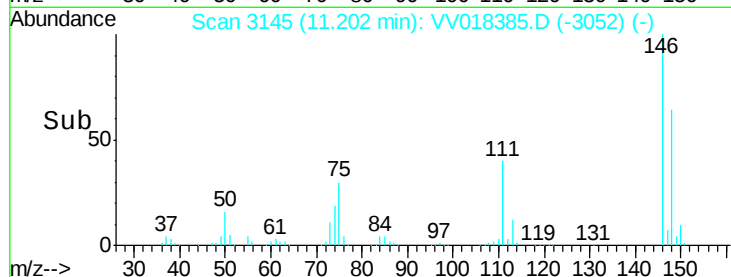
148 64.3 45.4 84.2



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: 51.630 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

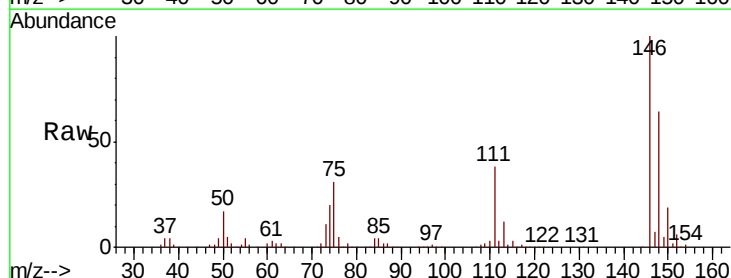
Tgt Ion:146 Resp: 227867

Ion Ratio Lower Upper

146 100

111 37.7 27.1 50.3

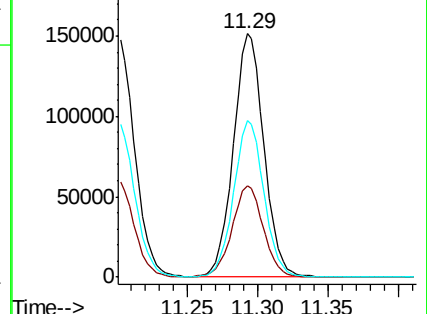
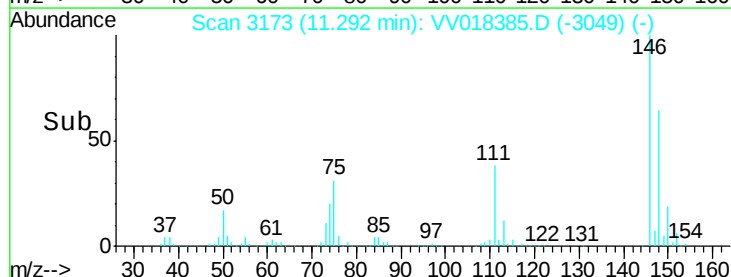
148 64.2 45.4 84.2

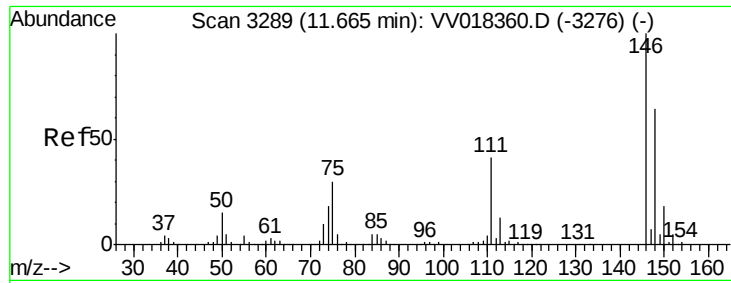


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.651 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

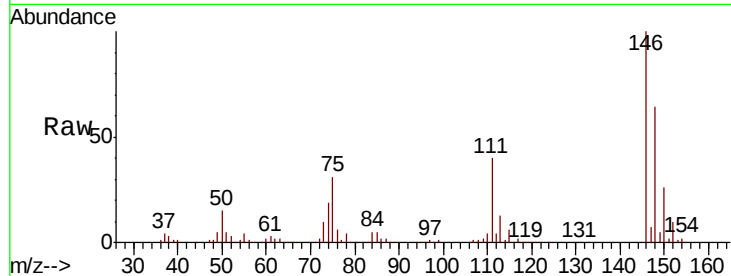
Tot Ion:146 Resp: 224171

Ion Ratio Lower Upper

146 100

111 40.3 32.8 49.2

148 63.6 50.7 76.1

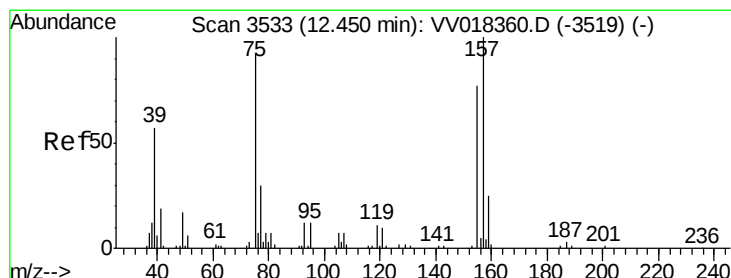
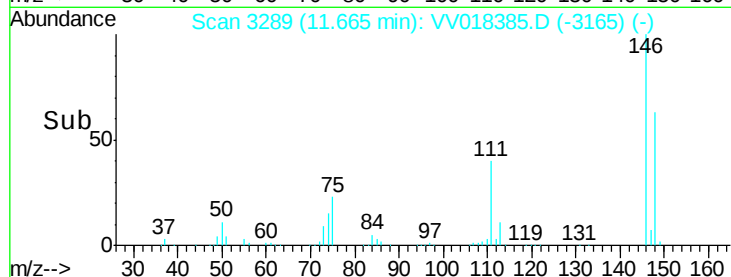
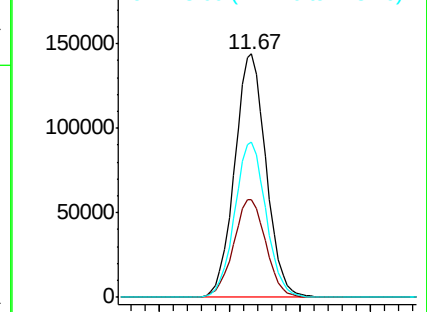


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 52.269 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

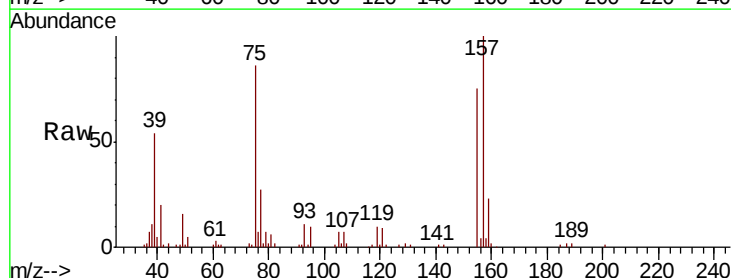
Tgt Ion: 75 Resp: 32012

Ion Ratio Lower Upper

75 100

155 87.6 69.7 104.5

157 116.1 88.2 132.4

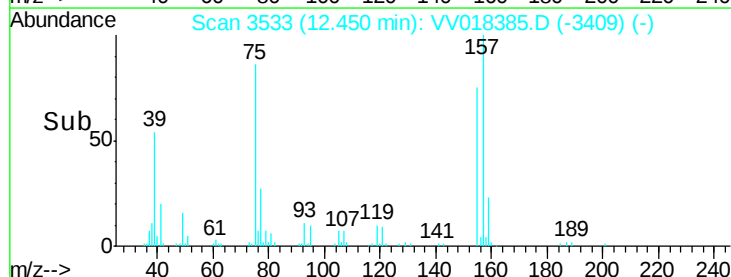
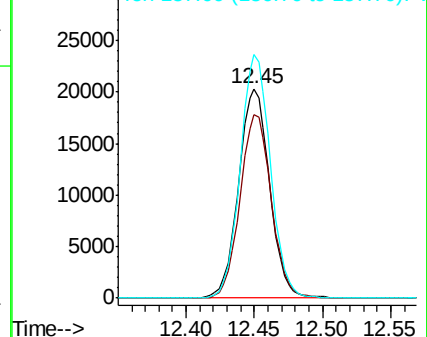


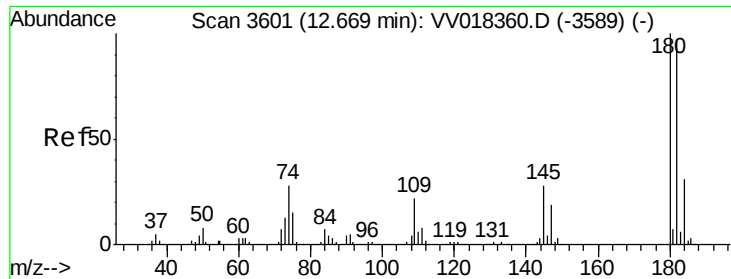
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

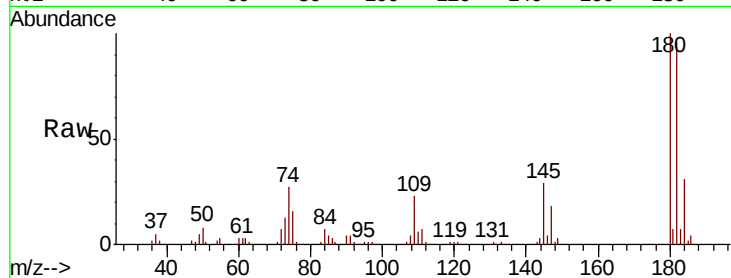




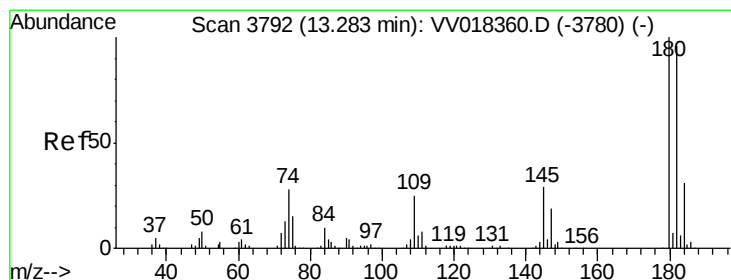
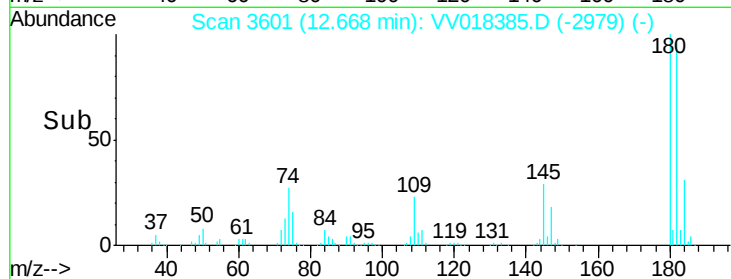
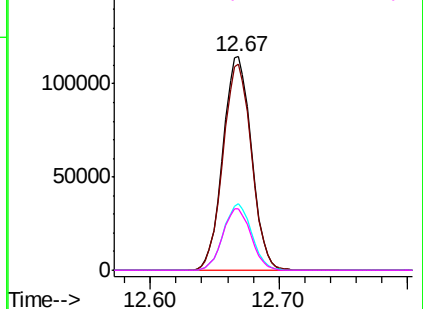
#67
 1,3,5-Trichlorobenzene
 Concen: 52.112 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018385.D
 Acq: 22 Sep 2020 10:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

Tot Ion:180 Resp: 176400
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.8 115.2
 184 30.6 24.6 36.8
 145 28.7 22.7 34.1

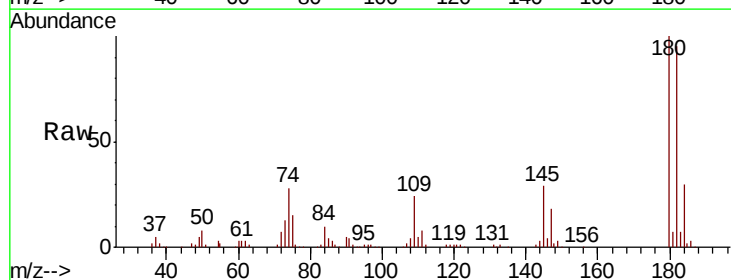


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

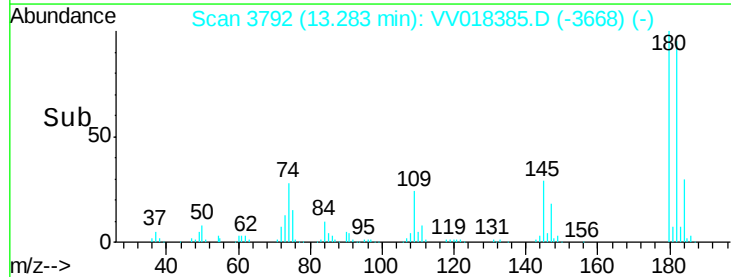
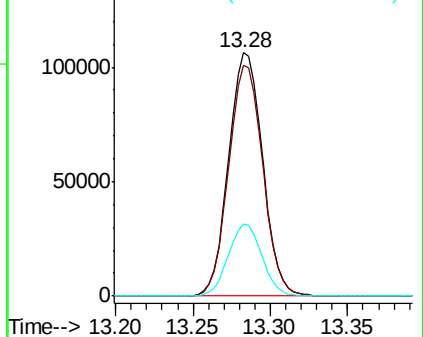


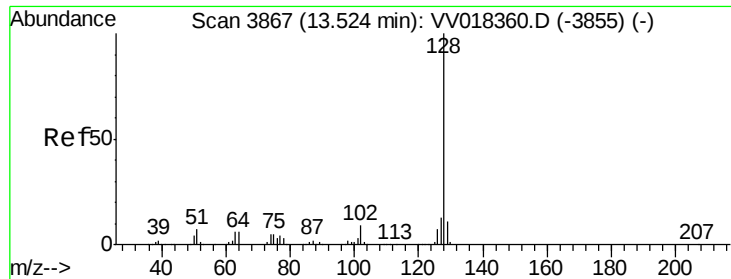
#68
 1,2,4-trichlorobenzene
 Concen: 53.739 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018385.D
 Acq: 22 Sep 2020 10:38

Tgt Ion:180 Resp: 161990
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.4 116.2
 145 29.2 23.2 34.8



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: 59.197 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD05083

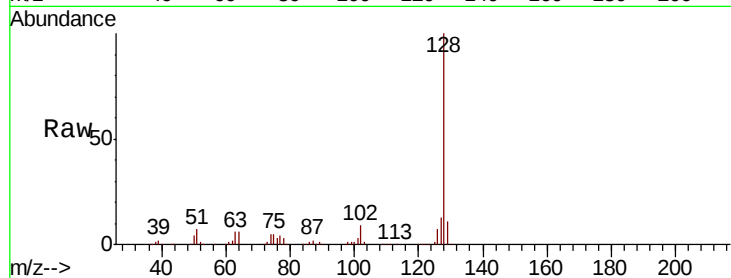
Tot Ion:128 Resp: 451515

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

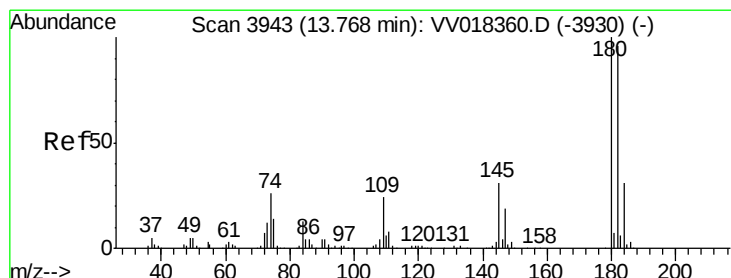
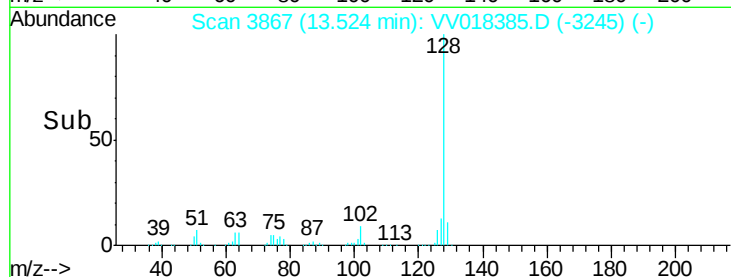
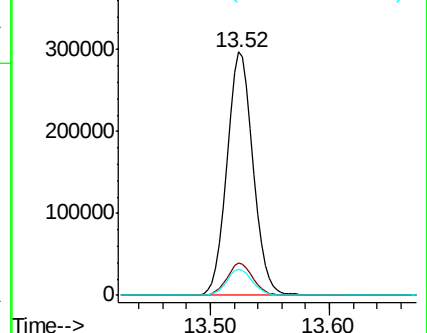
129 10.8 8.6 13.0



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: 56.301 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV018385.D

Acq: 22 Sep 2020 10:38

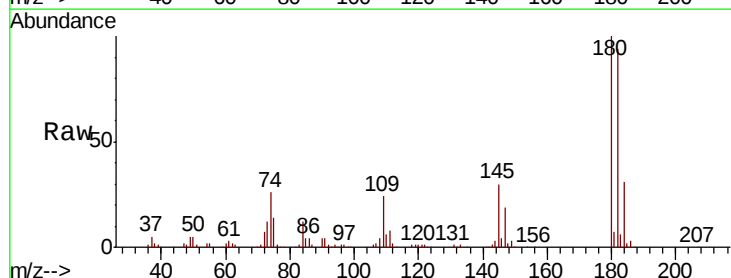
Tgt Ion:180 Resp: 167156

Ion Ratio Lower Upper

180 100

182 94.2 76.5 114.7

145 30.6 24.9 37.3



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

