

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120720\
 Data File : VV019492.D
 Acq On : 07 Dec 2020 15:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Quant Time: Dec 08 02:59:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 07 16:45:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	338672	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	327285	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	164939	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	111175	52.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.46%
7) Chloroethane-d5	1.58	69	116635	54.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.06%
11) 1,1-Dichloroethene-d2	2.12	63	251068	51.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.92%
21) 2-Butanone-d5	3.90	46	172618	107.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.09%
24) Chloroform-d	4.37	84	251755	51.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.08%
26) 1,2-Dichloroethane-d4	5.05	65	169014	51.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.00%
32) Benzene-d6	5.07	84	480262	52.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.02%
36) 1,2-Dichloropropane-d6	6.09	67	159583	51.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.48%
41) Toluene-d8	7.33	98	428331	54.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.52%
43) trans-1,3-Dichloropropene-	7.64	79	78071	52.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.06%
47) 2-Hexanone-d5	8.10	63	105685	115.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.71%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	196866	53.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.52%
64) 1,2-Dichlorobenzene-d4	11.64	152	152340	50.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.82%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	75544	50.744	ug/L 99
3) Chloromethane	1.25	50	83030	50.475	ug/L 97
5) Vinyl chloride	1.32	62	103995	51.947	ug/L 99
6) Bromomethane	1.53	94	102716	57.541	ug/L 98
8) Chloroethane	1.59	64	81503	52.624	ug/L 97
9) Trichlorofluoromethane	1.76	101	168421	51.393	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	98311	51.053	ug/L 99
12) 1,1-Dichloroethene	2.13	96	90172	49.909	ug/L 97
13) Acetone	2.18	43	145569	75.828	ug/L 98
14) Carbon disulfide	2.31	76	248281	50.334	ug/L 99
15) Methyl Acetate	2.44	43	165492	53.898	ug/L 100
16) Methylene chloride	2.52	84	124127	49.384	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	102900	50.061	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	402164	52.968	ug/L 99
19) 1,1-Dichloroethane	3.21	63	246714	51.104	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	122732	51.293	ug/L 97
22) 2-Butanone	3.98	43	234564	100.139	ug/L 98

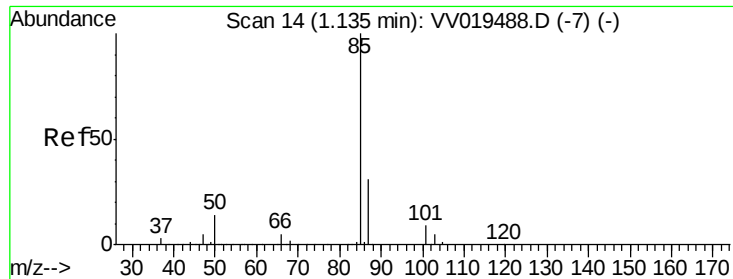
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120720\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	61212	51.504	ug/L	96
25) Chloroform	4.40	83	243764	51.081	ug/L	100
27) 1,2-Dichloroethane	5.15	62	197457	50.726	ug/L	99
29) Cyclohexane	4.70	56	181554	54.180	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	204087	51.997	ug/L	100
31) Carbon tetrachloride	4.85	117	167256	51.938	ug/L	98
33) Benzene	5.12	78	490537	52.775	ug/L	100
34) Trichloroethene	5.94	95	132782	51.012	ug/L	98
35) Methylcyclohexane	6.15	83	164754	53.357	ug/L	98
37) 1,2-Dichloropropane	6.20	63	146124	52.809	ug/L	100
38) Bromodichloromethane	6.53	83	187508	52.533	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	215582	55.475	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	459390	111.945	ug/L	99
42) Toluene	7.41	91	505231	54.087	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	214751	54.483	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	128879	51.989	ug/L	99
46) Tetrachloroethene	7.99	164	82387	52.543	ug/L	97
48) 2-Hexanone	8.15	43	354615	107.484	ug/L	98
49) Dibromochloromethane	8.26	129	133981	52.169	ug/L	99
50) 1,2-Dibromoethane	8.37	107	126771	51.839	ug/L	99
51) Chlorobenzene	8.90	112	313415	51.511	ug/L	100
52) Ethylbenzene	9.03	91	549502	54.079	ug/L	100
53) m,p-Xylene	9.16	106	196215	54.399	ug/L	99
54) o-xylene	9.56	106	195206	55.802	ug/L	99
55) Styrene	9.58	104	356848	56.931	ug/L	99
56) Isopropylbenzene	9.95	105	534607	56.307	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	204517	54.306	ug/L	97
59) 1,2,3-Trichloropropane	10.29	75	180441	52.625	ug/L	99
61) Bromoform	9.75	173	95305	51.640	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	239662	50.776	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	250058	50.472	ug/L	97
65) 1,2-Dichlorobenzene	11.66	146	248756	51.256	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	48869	50.995	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	176491	49.765	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	162655	52.196	ug/L	100
69) Naphthalene	13.52	128	457326	55.868	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	170448	52.960	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 50.744 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

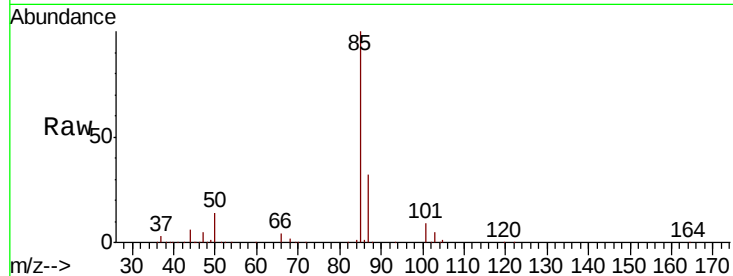
VSTD05079

Tot Ion: 85 Resp: 75544

Ion Ratio Lower Upper

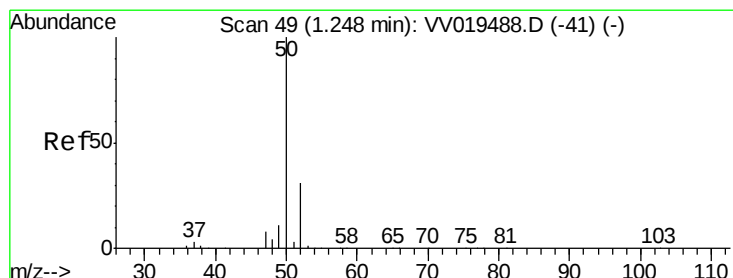
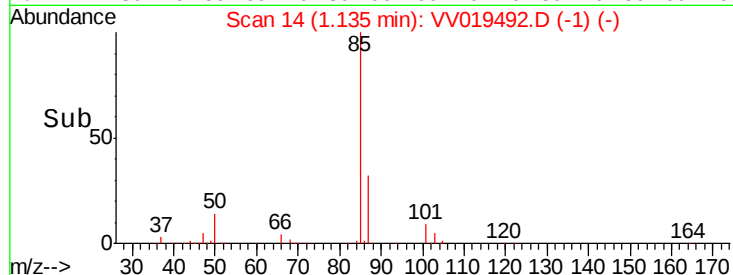
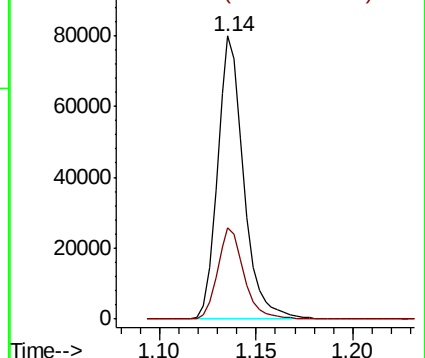
85 100

87 32.5 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV019488.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV019488.D (-7) (-)



#3

Chloromethane

Concen: 50.475 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019492.D

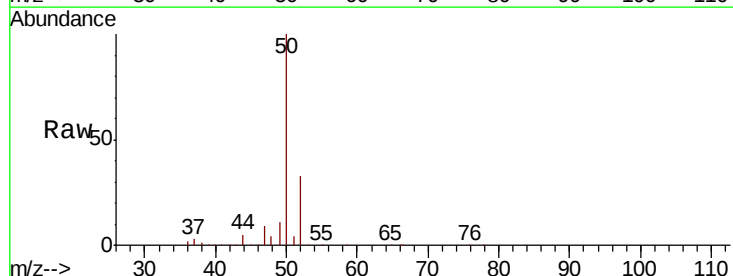
Acq: 07 Dec 2020 15:05

Tgt Ion: 50 Resp: 83030

Ion Ratio Lower Upper

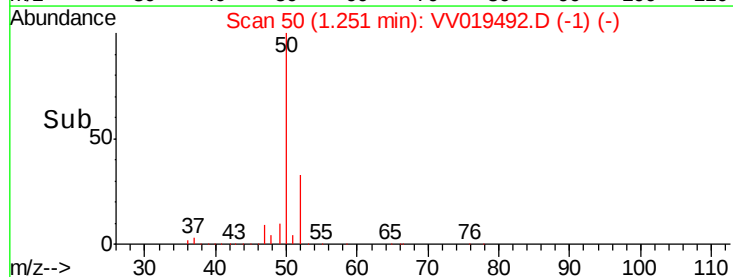
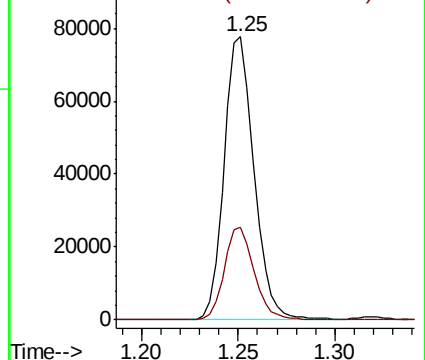
50 100

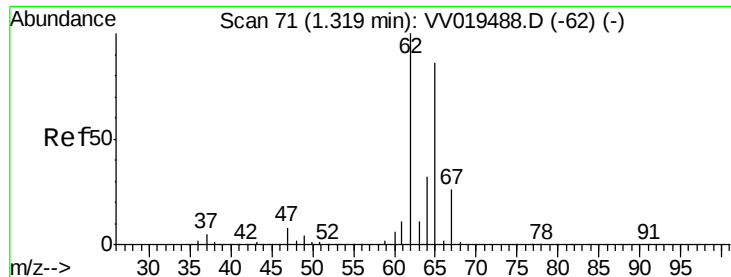
52 32.6 21.7 40.3



Abundance Ion 50.00 (49.70 to 50.70): VV019488.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV019488.D (-41) (-)





#5

Vinyl chloride

Concen: 51.947 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

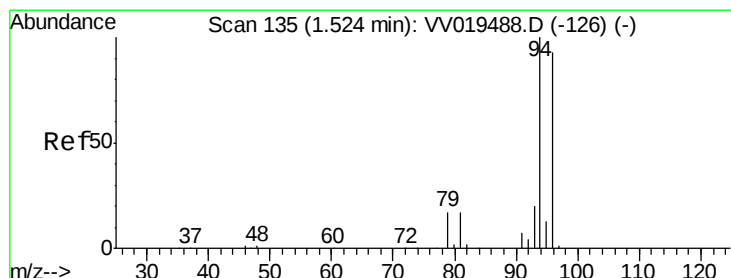
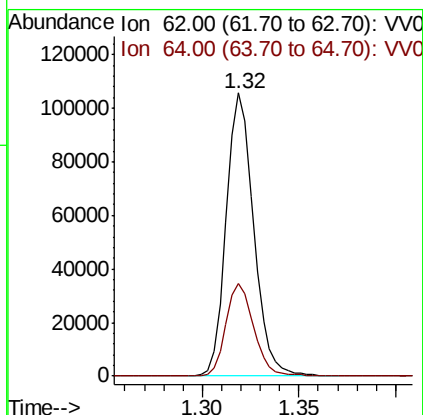
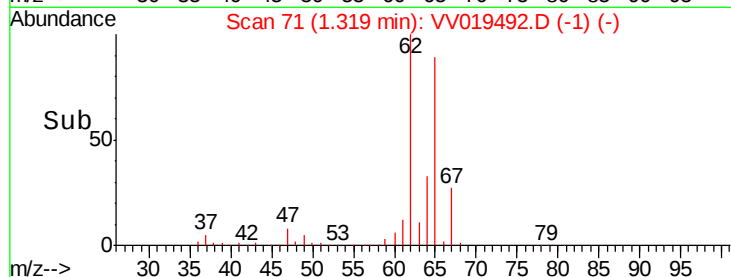
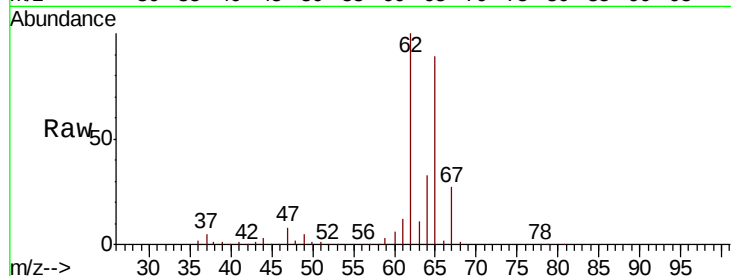
VSTD05079

Tot Ion: 62 Resp: 103995

Ion Ratio Lower Upper

62 100

64 32.9 22.6 42.0



#6

Bromomethane

Concen: 57.541 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.01 min

Lab File: VV019492.D

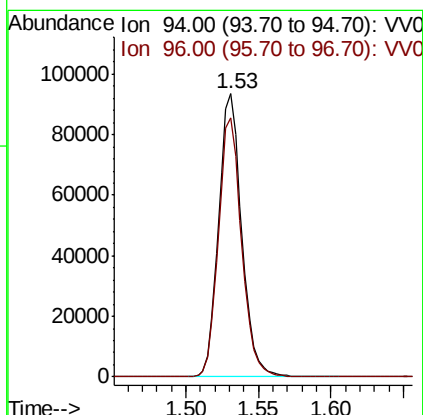
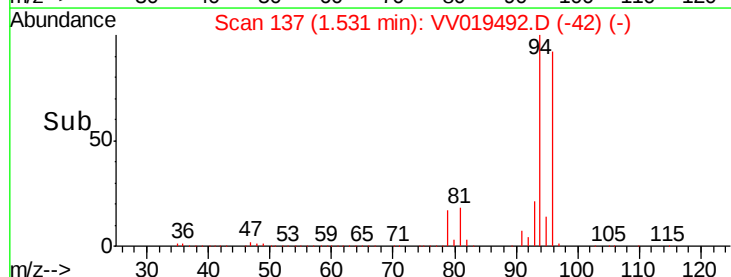
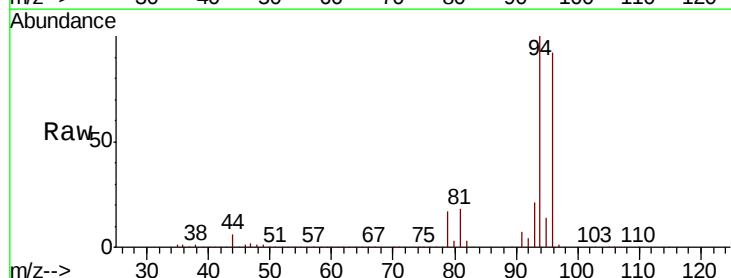
Acq: 07 Dec 2020 15:05

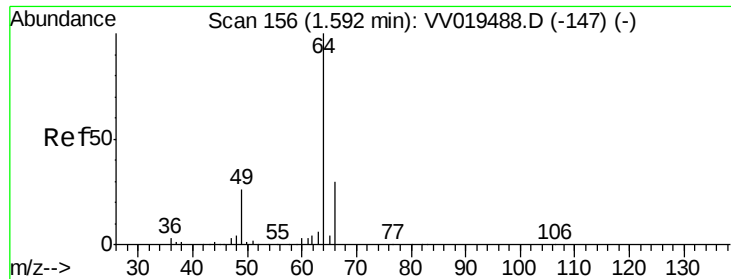
Tgt Ion: 94 Resp: 102716

Ion Ratio Lower Upper

94 100

96 91.7 65.3 121.3





#8

Chloroethane

Concen: 52.624 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

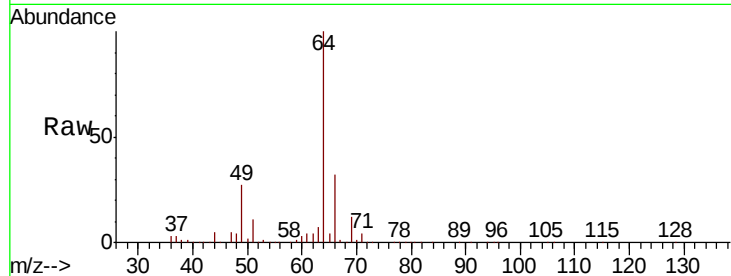
VSTD05079

Tot Ion: 64 Resp: 81503

Ion Ratio Lower Upper

64 100

66 32.4 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV019488.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV019488.D (-147) (-)

1.59

80000

60000

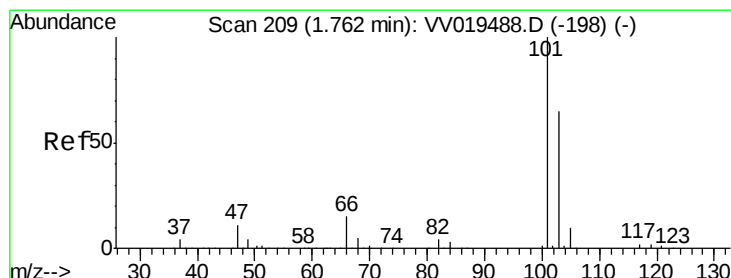
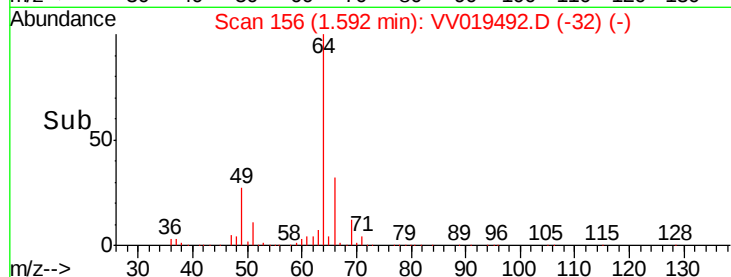
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 51.393 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV019492.D

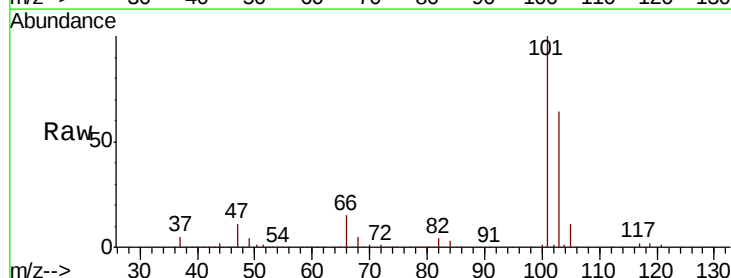
Acq: 07 Dec 2020 15:05

Tgt Ion: 101 Resp: 168421

Ion Ratio Lower Upper

101 100

103 63.9 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV019488.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV019488.D (-198) (-)

1.76

150000

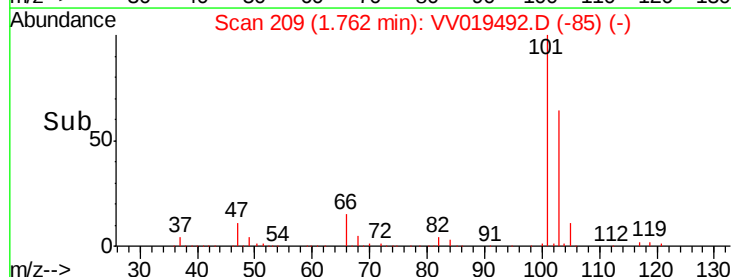
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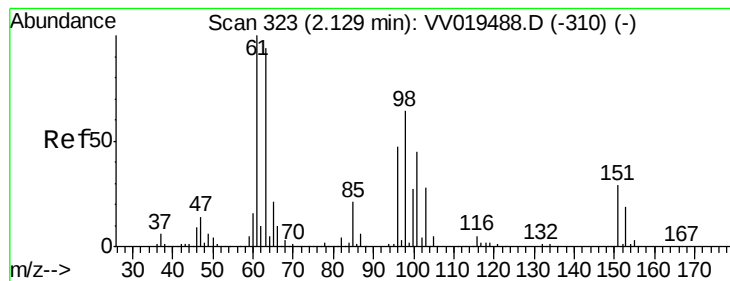
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 51.053 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

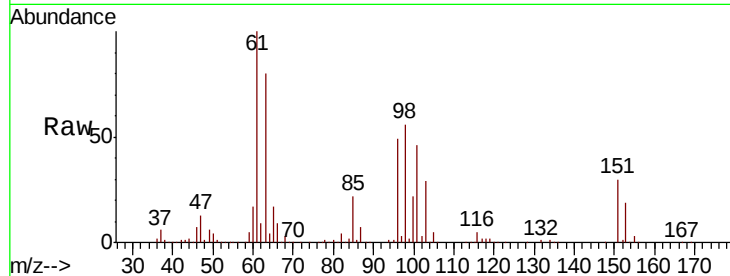
Tot Ion:101 Resp: 98311

Ion Ratio Lower Upper

101 100

85 46.6 37.3 55.9

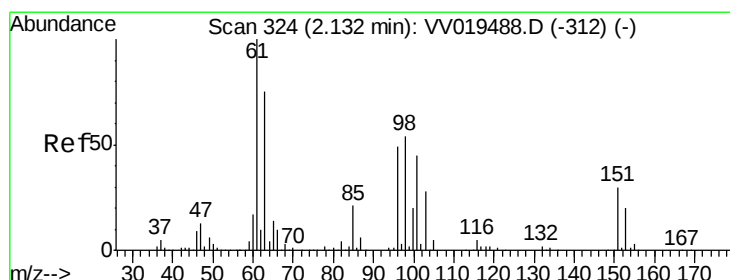
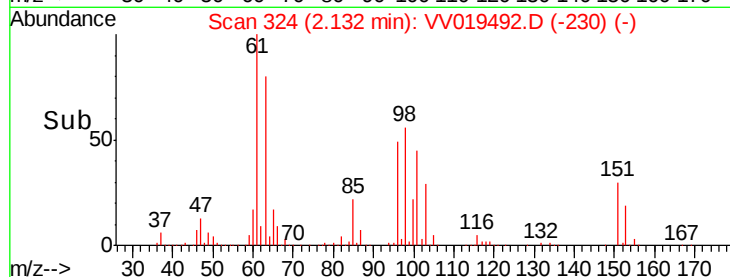
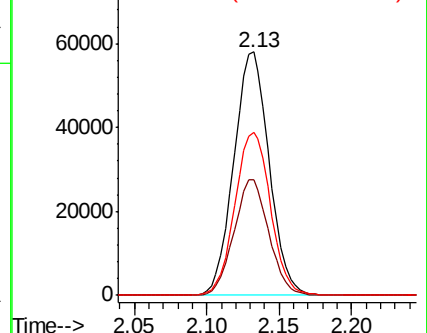
151 67.4 53.3 79.9



Abundance Ion 101.00 (100.70 to 101.70): VV019488.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV019488.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV019488.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 49.909 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

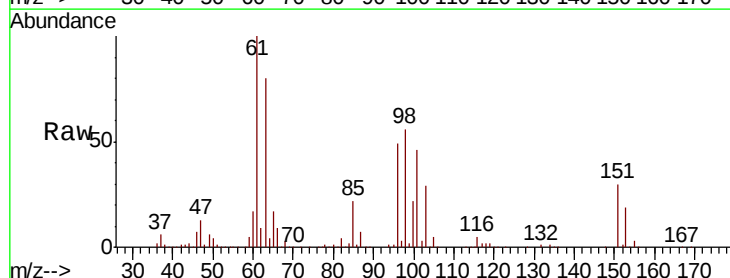
Tgt Ion: 96 Resp: 90172

Ion Ratio Lower Upper

96 100

61 203.4 144.8 268.8

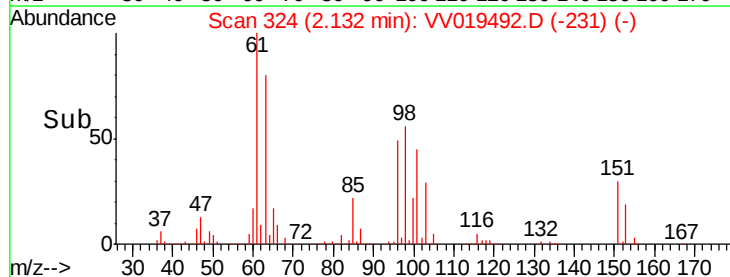
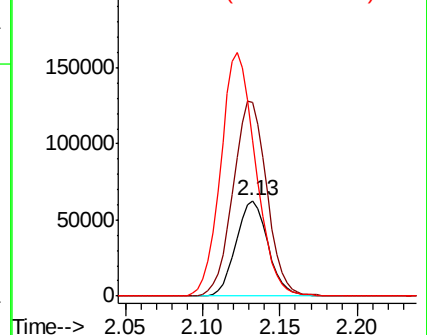
63 162.5 110.0 204.2

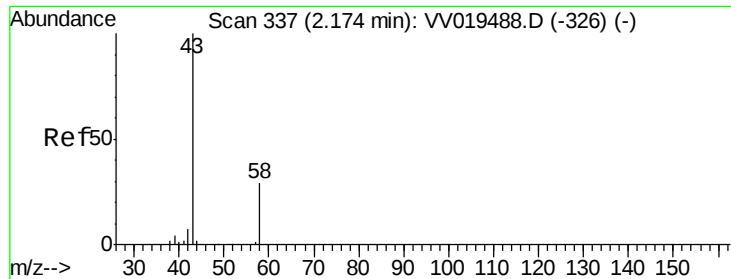


Abundance Ion 96.00 (95.70 to 96.70): VV019488.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV019488.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV019488.D (-312) (-)





#13

Acetone

Concen: 75.828 ug/L

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

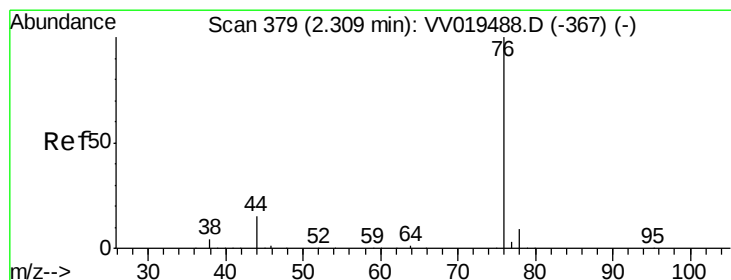
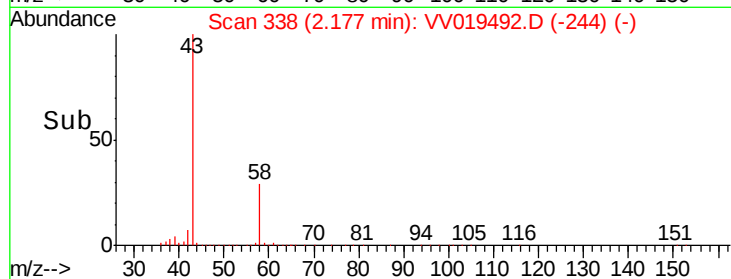
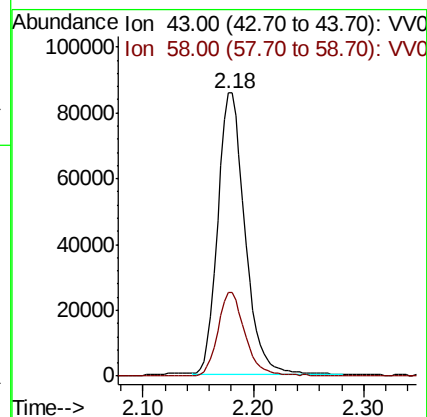
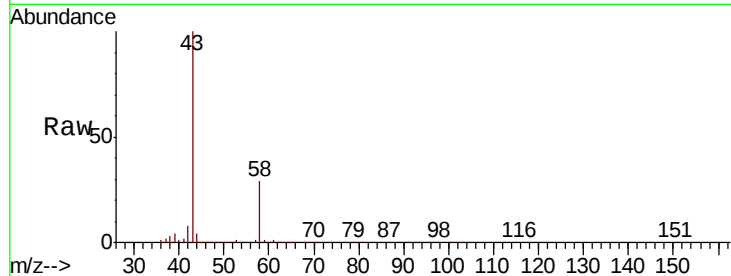
VSTD05079

Tot Ion: 43 Resp: 145569

Ion Ratio Lower Upper

43 100

58 30.0 0.0 58.0



#14

Carbon disulfide

Concen: 50.334 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019492.D

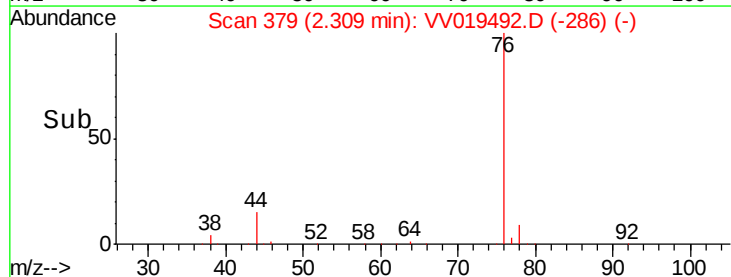
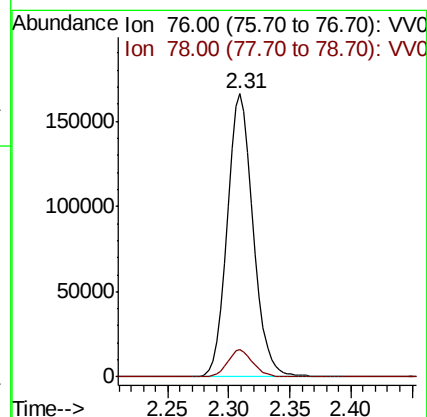
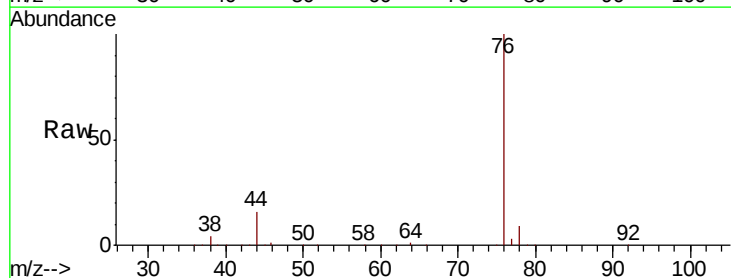
Acq: 07 Dec 2020 15:05

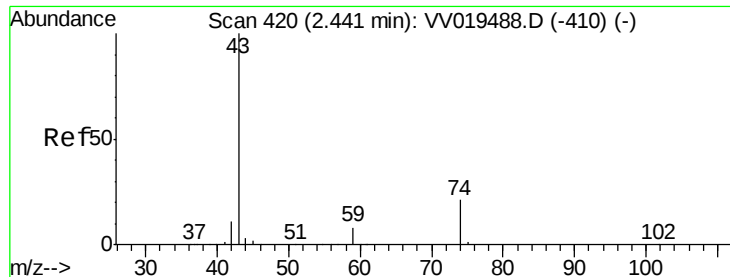
Tgt Ion: 76 Resp: 248281

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0





#15

Methvl Acetate

Concen: 53.898 ug/L

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

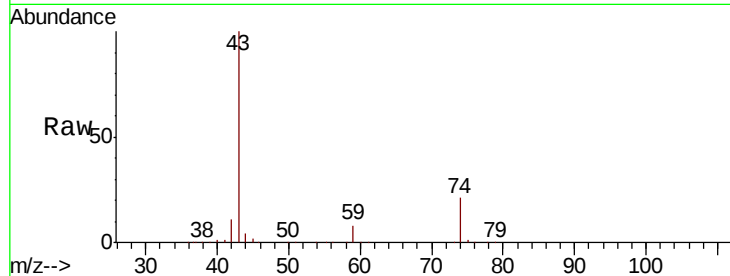
VSTD05079

Tot Ion: 43 Resp: 165492

Ion Ratio Lower Upper

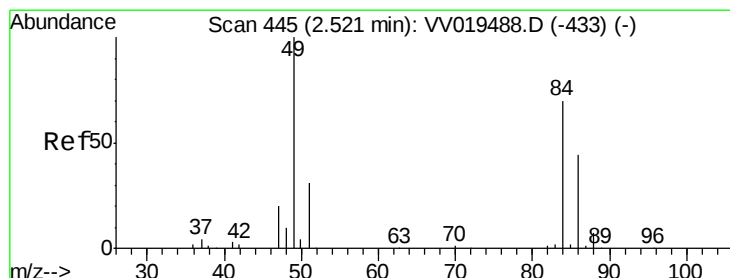
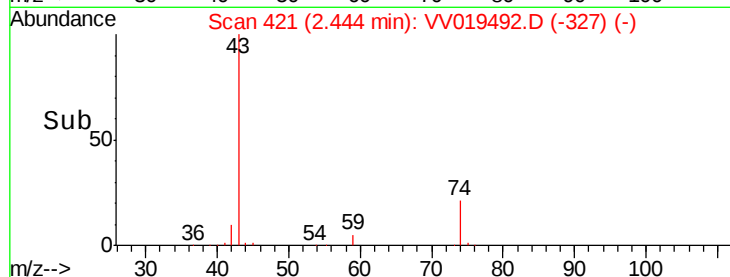
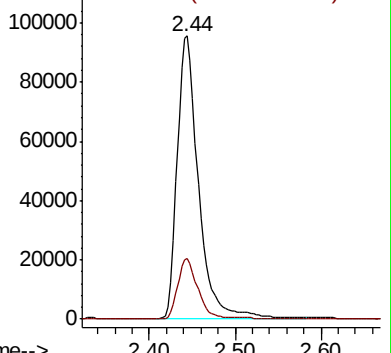
43 100

74 20.1 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 49.384 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

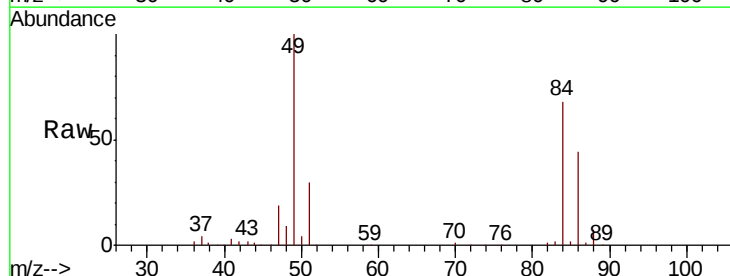
Tgt Ion: 84 Resp: 124127

Ion Ratio Lower Upper

84 100

86 63.9 44.4 82.4

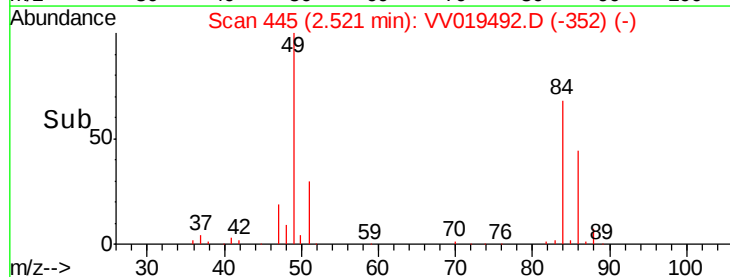
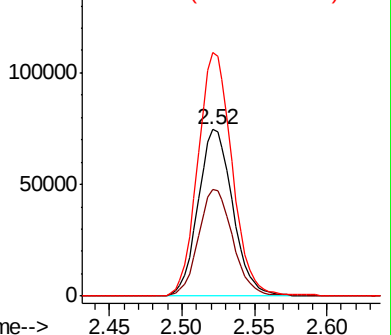
49 146.1 100.4 186.4

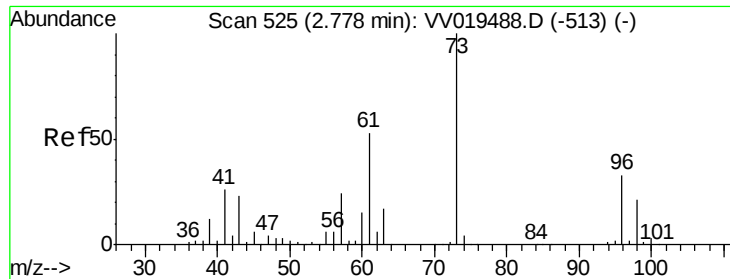


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

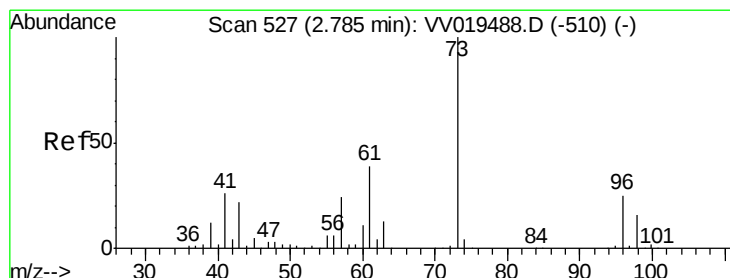
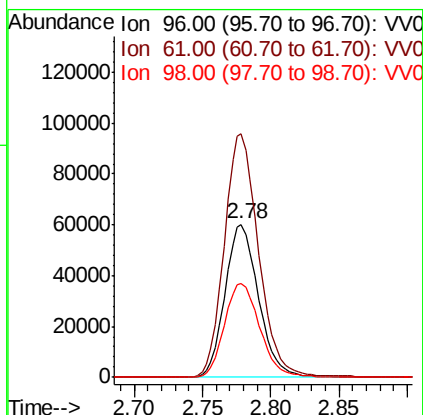
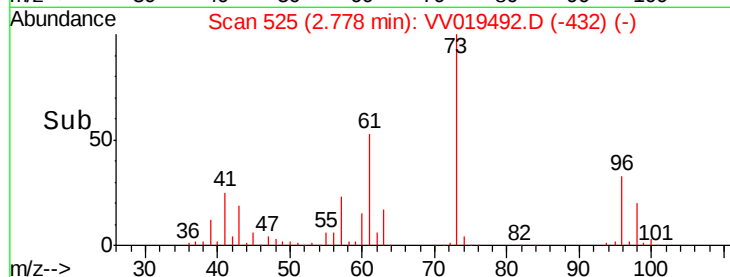
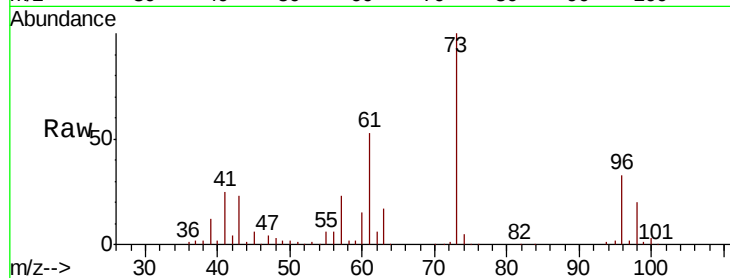




#17
trans-1,2-Dichloroethene
Concen: 50.061 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV019492.D
Acq: 07 Dec 2020 15:05

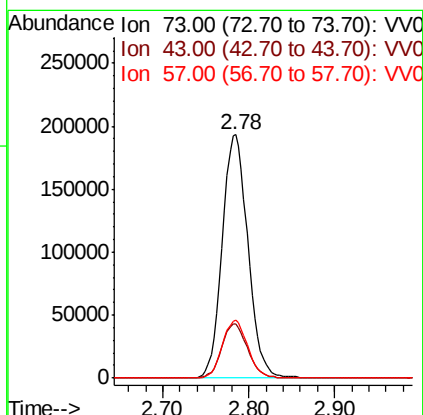
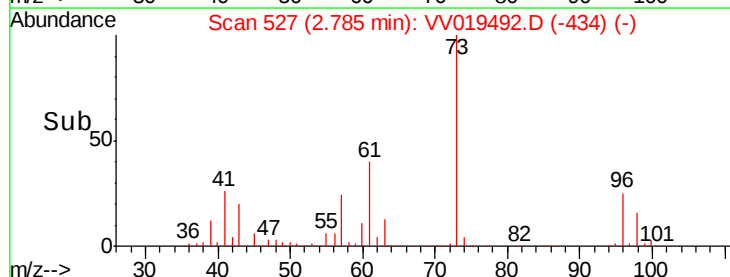
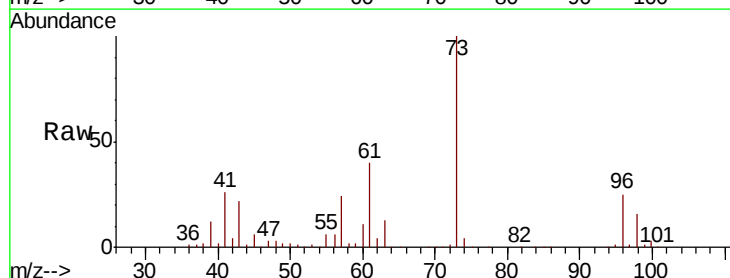
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

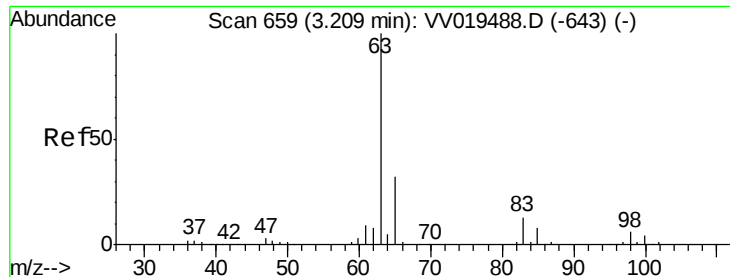
Tot Ion: 96 Resp: 102900
Ion Ratio Lower Upper
96 100
61 159.4 112.5 208.9
98 61.7 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 52.968 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV019492.D
Acq: 07 Dec 2020 15:05

Tgt Ion: 73 Resp: 402164
Ion Ratio Lower Upper
73 100
43 22.2 18.0 27.0
57 23.6 19.4 29.2

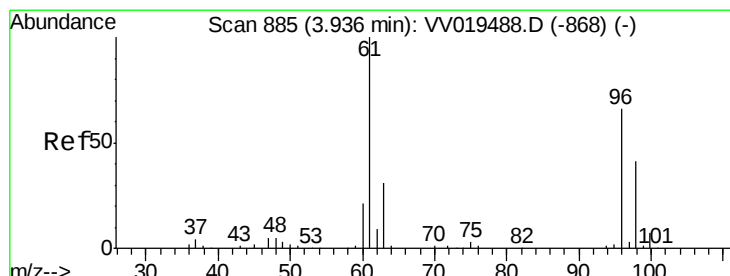
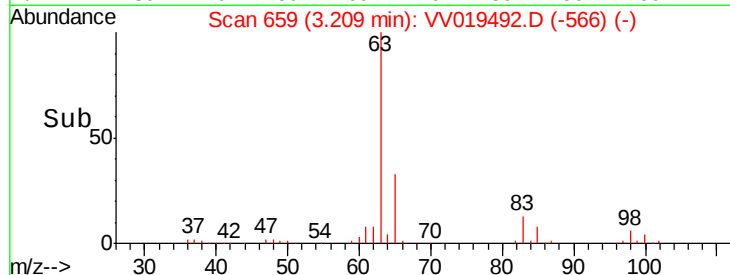
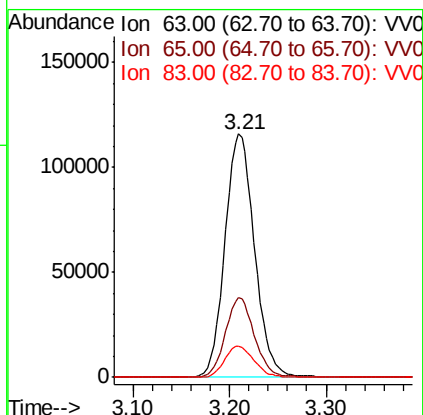
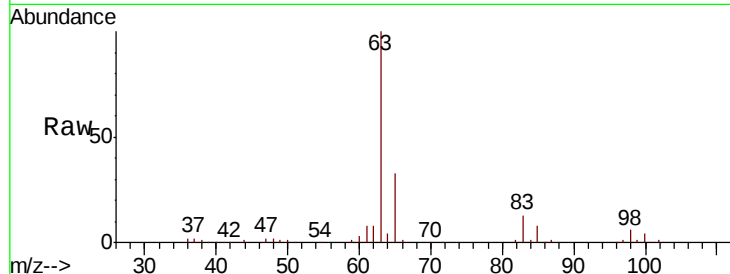




#19
 1,1-Dichloroethane
 Concen: 51.104 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV019492.D
 Acq: 07 Dec 2020 15:05

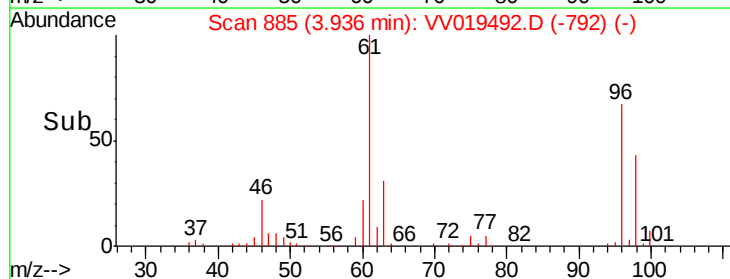
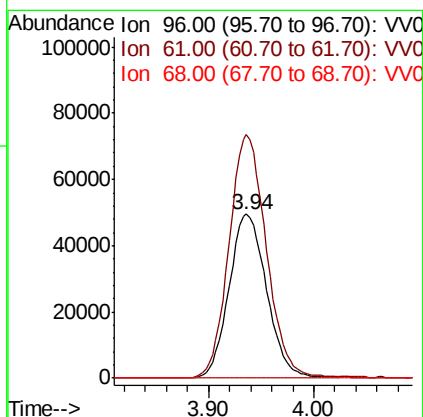
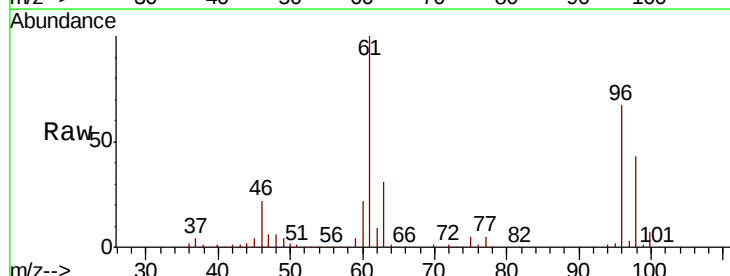
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

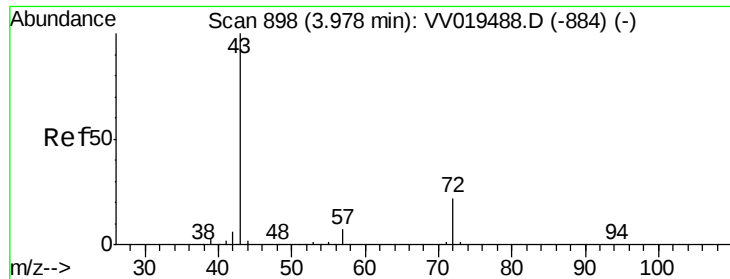
Tot Ion: 63 Resp: 246714
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.2 41.2
 83 12.8 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 51.293 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV019492.D
 Acq: 07 Dec 2020 15:05

Tgt Ion: 96 Resp: 122732
 Ion Ratio Lower Upper
 96 100
 61 148.3 106.2 197.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 100.139 ug/L

RT: 3.98 min Scan# 899

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

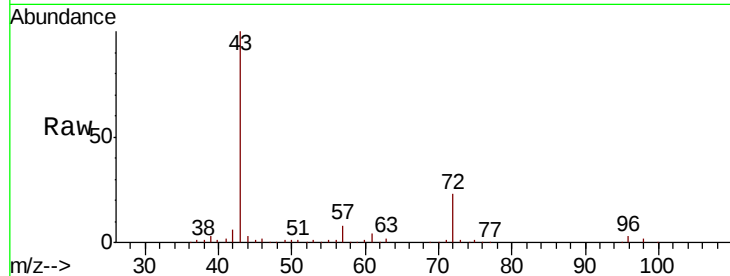
VSTD05079

Tot Ion: 43 Resp: 234564

Ion Ratio Lower Upper

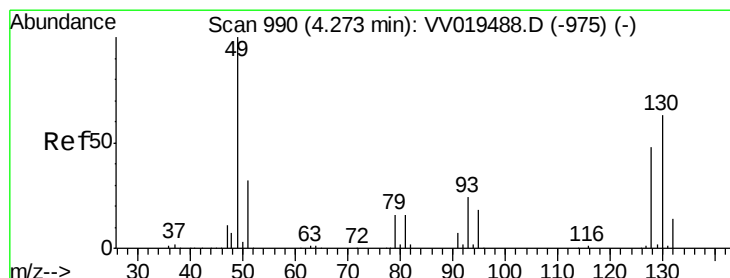
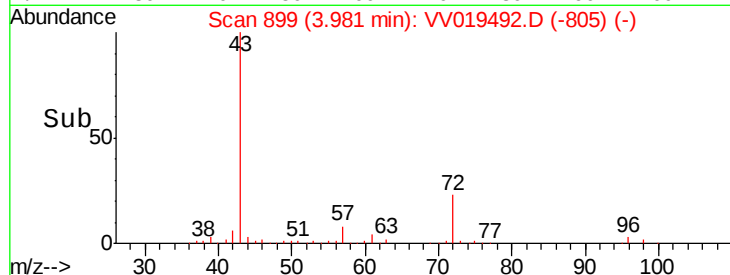
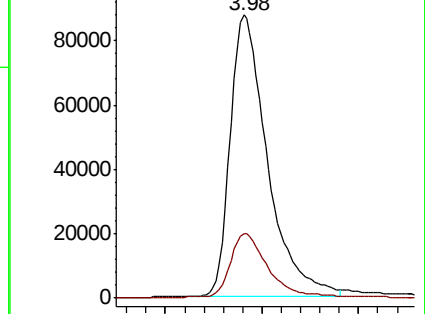
43 100

72 21.9 11.5 34.5



Abundance Ion 43.00 (42.70 to 43.70): VV019492.D (-898) (-)

Ion 72.00 (71.70 to 72.70): VV019492.D (-898) (-)



#23

Bromochloromethane

Concen: 51.504 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Tgt Ion:128 Resp: 61212

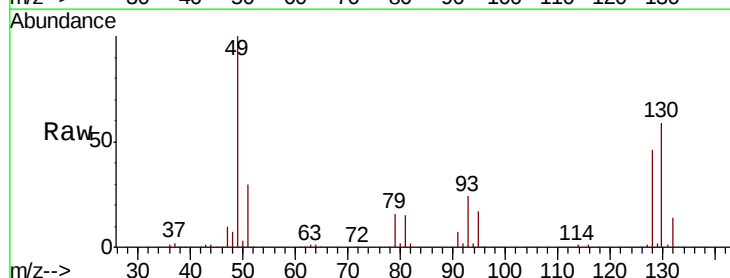
Ion Ratio Lower Upper

128 100

49 215.1 145.7 270.5

130 127.2 91.3 169.5

51 65.0 53.4 80.2

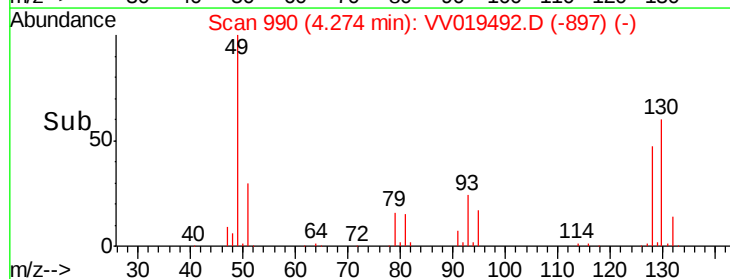
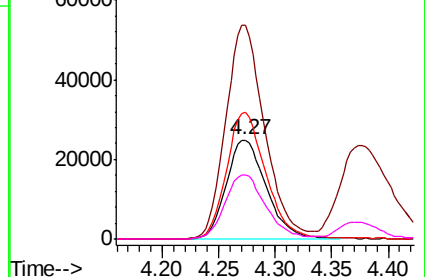


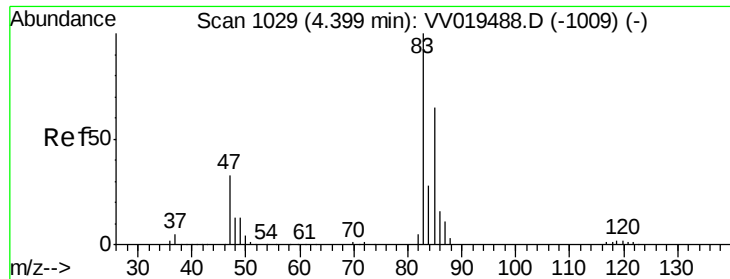
Abundance Ion 128.00 (127.70 to 128.70): VV019492.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV019492.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV019492.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV019492.D (-897) (-)

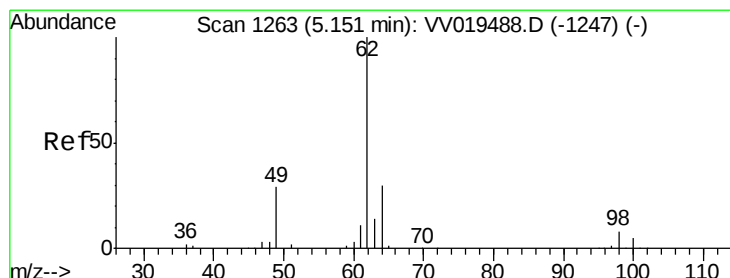
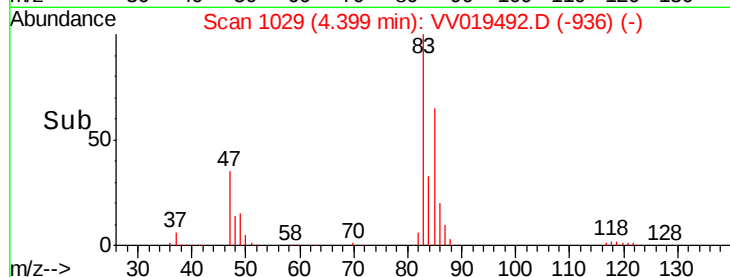
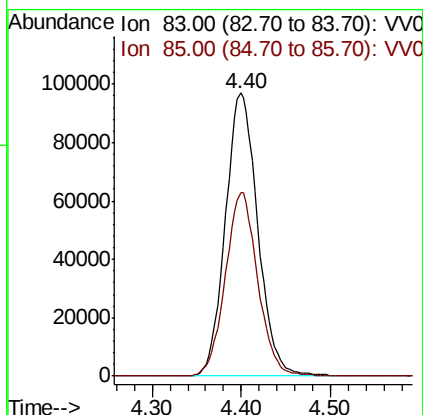
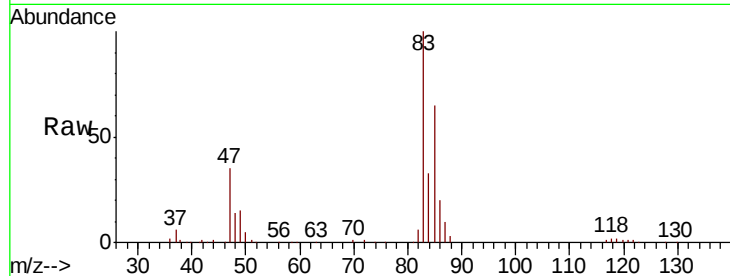




#25
Chloroform
Concen: 51.081 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV019492.D
Acq: 07 Dec 2020 15:05

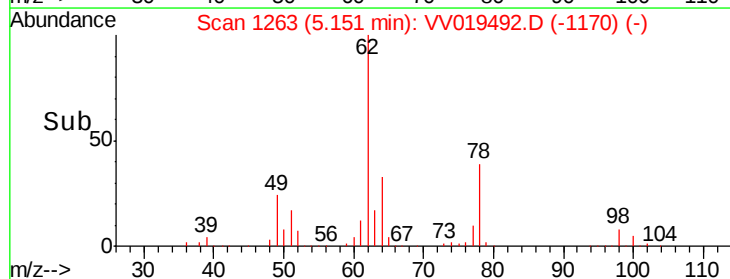
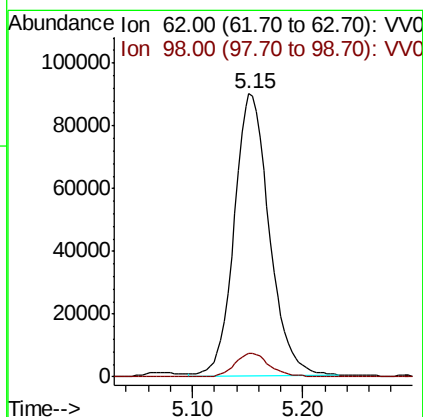
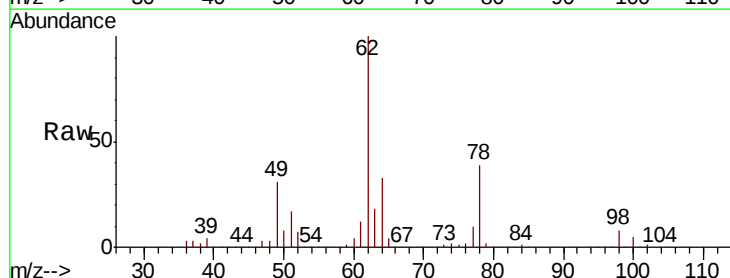
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

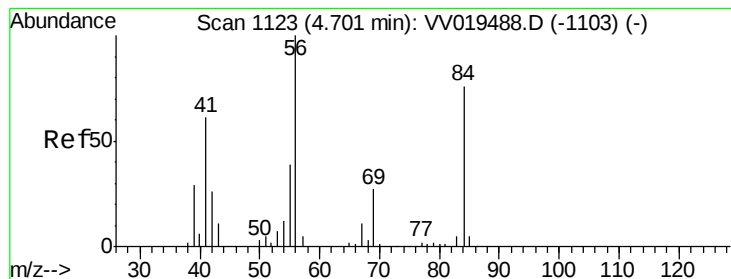
Tot Ion: 83 Resp: 243764
Ion Ratio Lower Upper
83 100
85 64.7 45.4 84.2



#27
1,2-Dichloroethane
Concen: 50.726 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV019492.D
Acq: 07 Dec 2020 15:05

Tgt Ion: 62 Resp: 197457
Ion Ratio Lower Upper
62 100
98 8.4 6.4 9.6





#29

Cvclohexane

Concen: 54.180 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

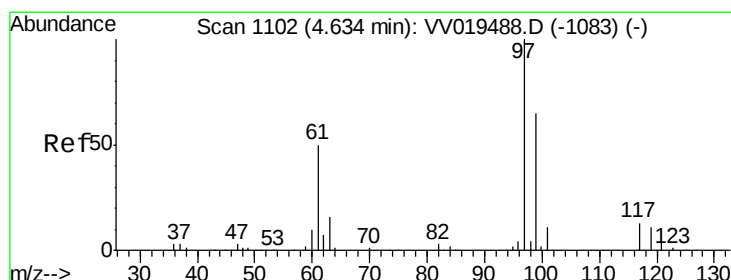
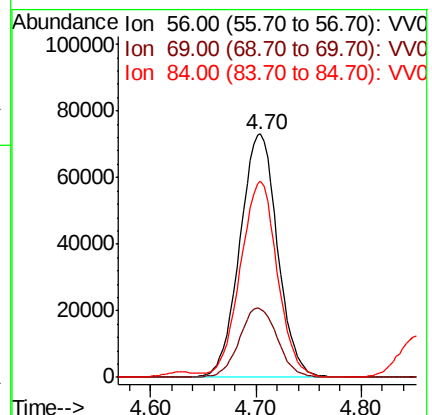
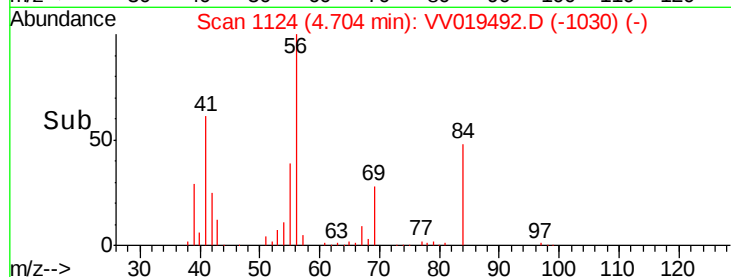
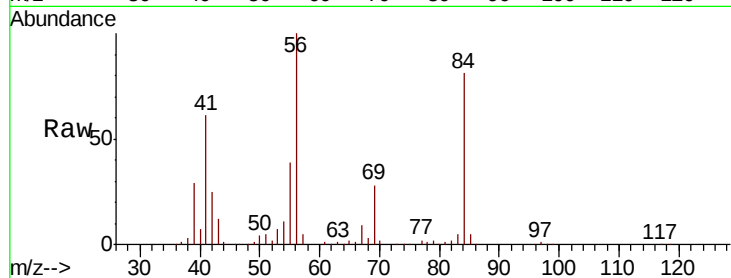
Tot Ion: 56 Resp: 181554

Ion Ratio Lower Upper

56 100

69 28.3 22.6 34.0

84 79.1 61.9 92.9



#30

1,1,1-Trichloroethane

Concen: 51.997 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

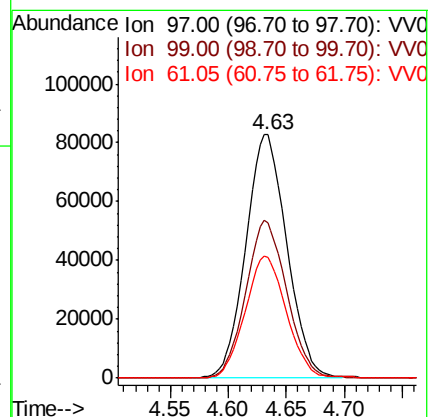
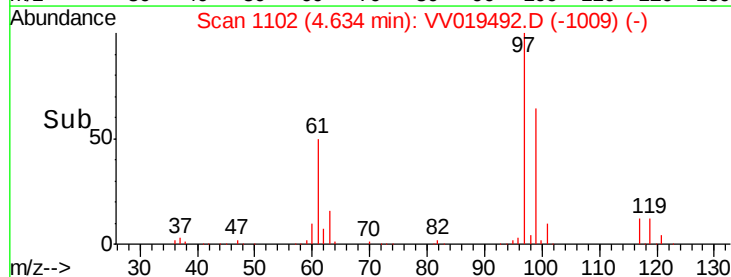
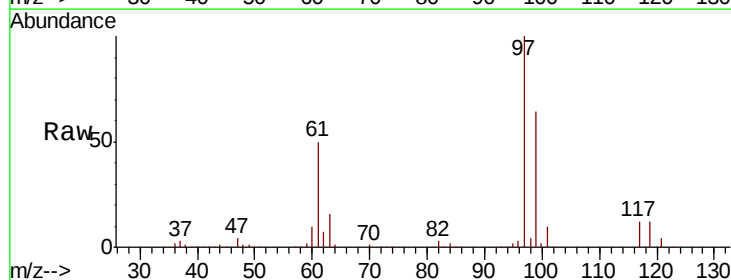
Tgt Ion: 97 Resp: 204087

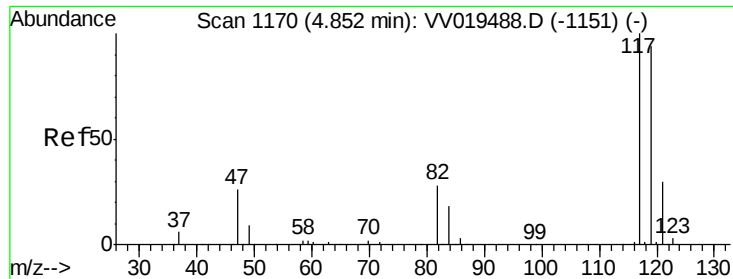
Ion Ratio Lower Upper

97 100

99 64.5 51.3 76.9

61 50.2 40.4 60.6





#31

Carbon tetrachloride

Concen: 51.938 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

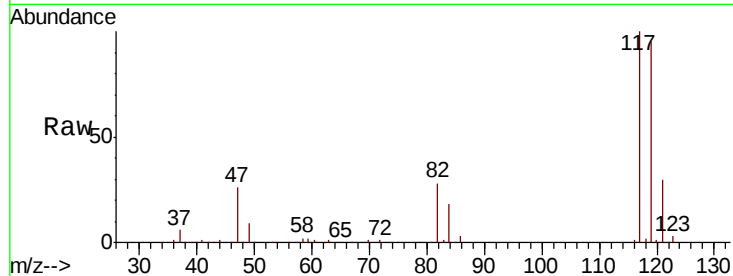
VSTD05079

Tot Ion:117 Resp: 167256

Ion Ratio Lower Upper

117 100

119 96.1 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

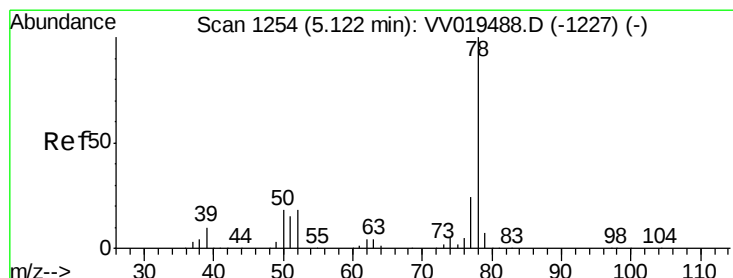
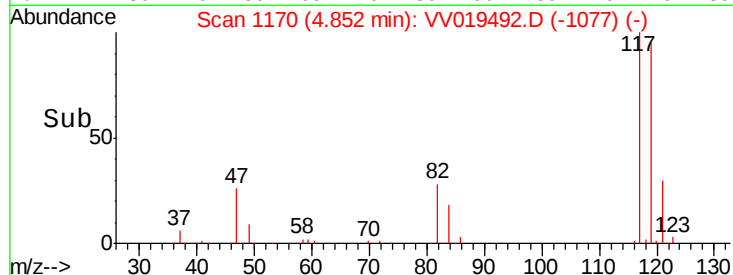
40000

20000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 52.775 ug/L

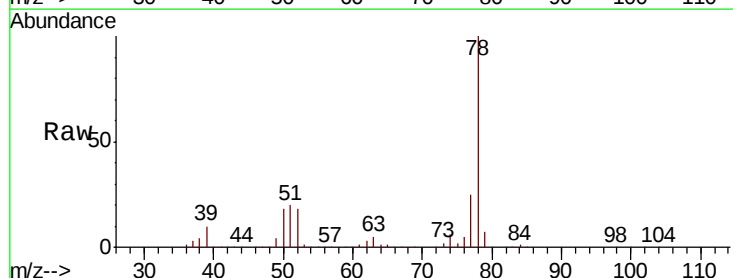
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Tgt Ion: 78 Resp: 490537



Abundance Ion 78.00 (77.70 to 78.70): VV0

250000

200000

150000

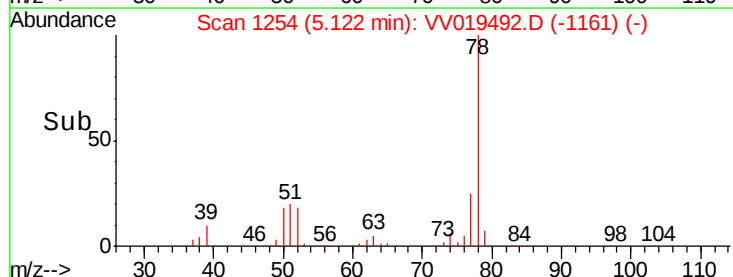
100000

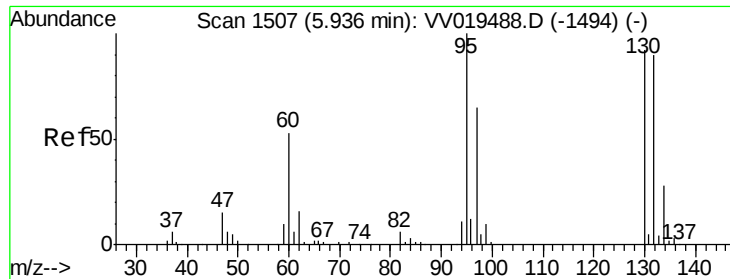
50000

0

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 51.012 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

Tot Ion: 95 Resp: 132782

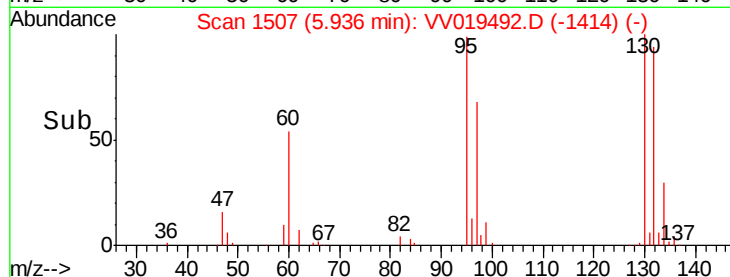
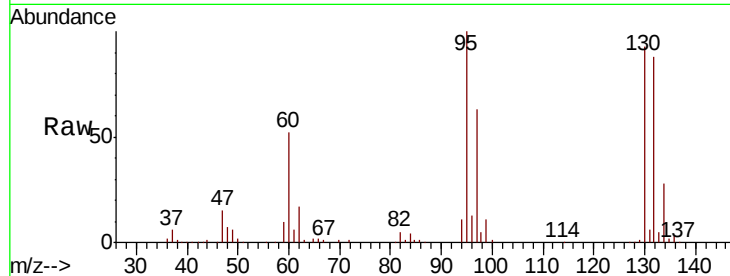
Ion Ratio Lower Upper

95 100

97 62.9 45.5 84.5

132 87.7 62.9 116.9

130 92.9 64.8 120.3

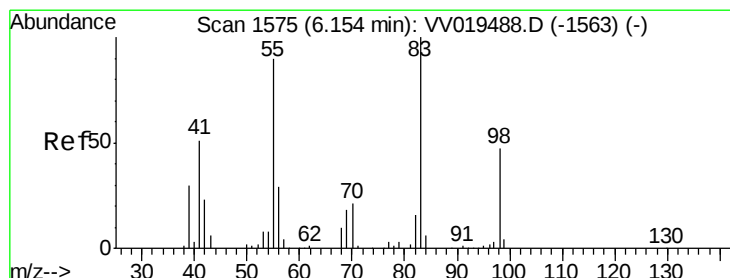
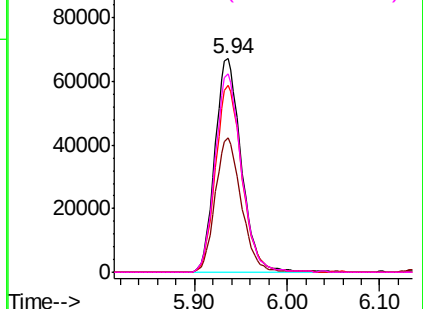


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 53.357 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

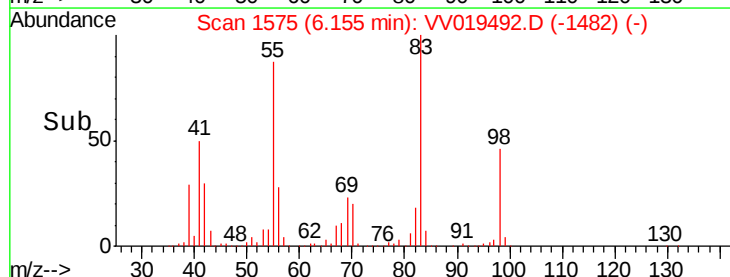
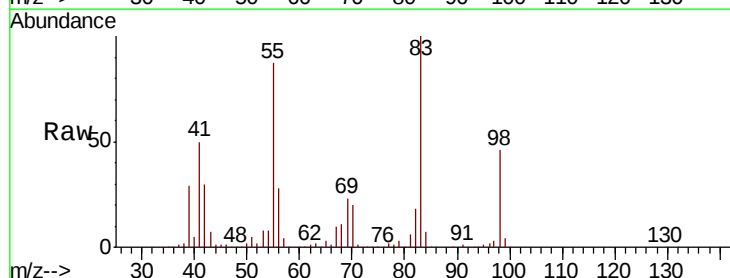
Tgt Ion: 83 Resp: 164754

Ion Ratio Lower Upper

83 100

55 85.5 69.8 104.8

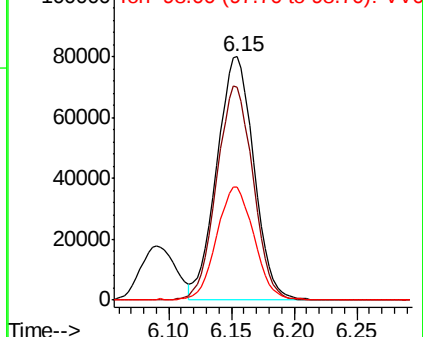
98 46.9 37.0 55.6

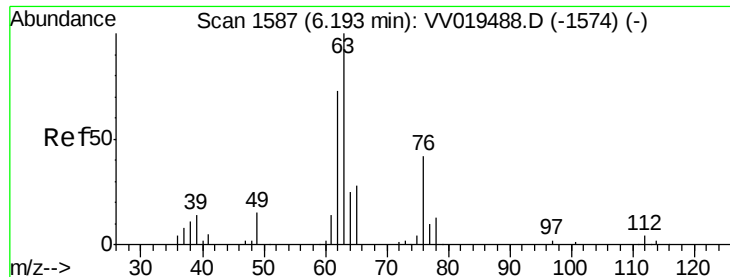


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 52.809 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

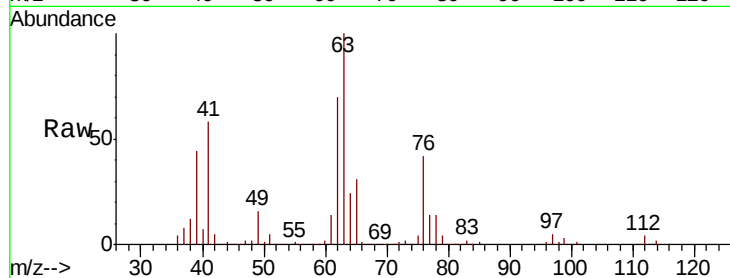
VSTD05079

Tot Ion: 63 Resp: 146124

Ion Ratio Lower Upper

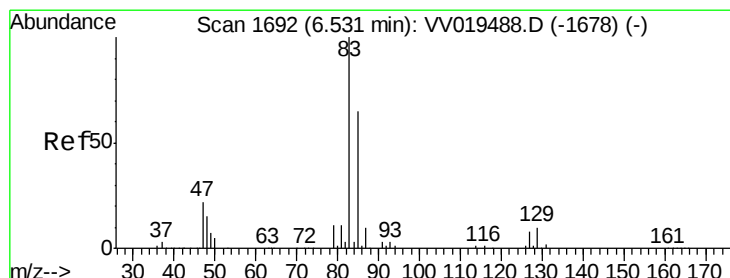
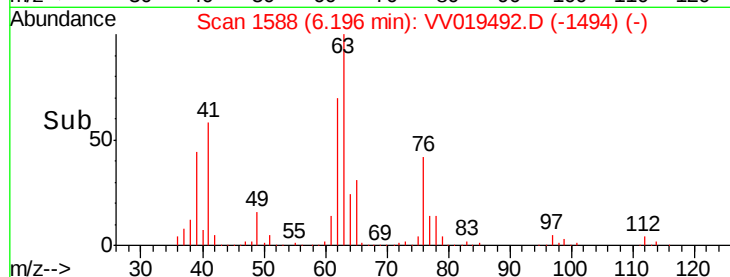
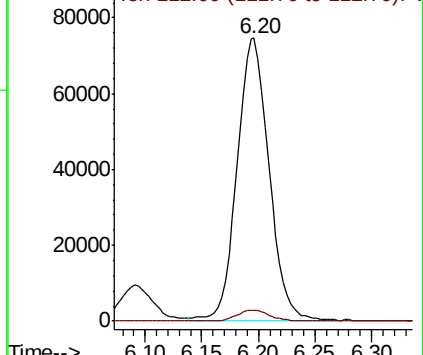
63 100

112 4.0 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 52.533 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

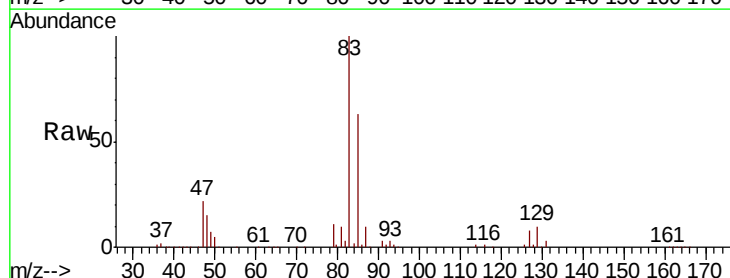
Tgt Ion: 83 Resp: 187508

Ion Ratio Lower Upper

83 100

85 62.9 45.5 84.5

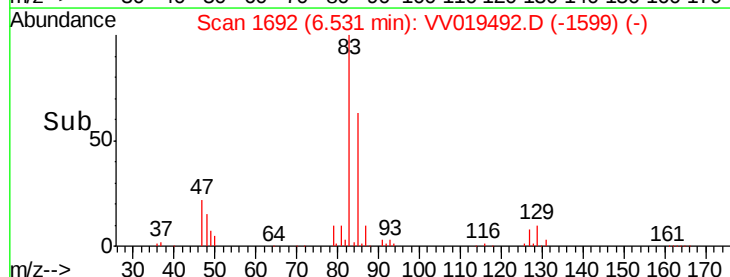
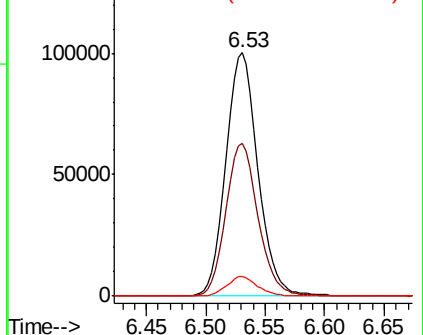
127 8.1 6.4 9.6

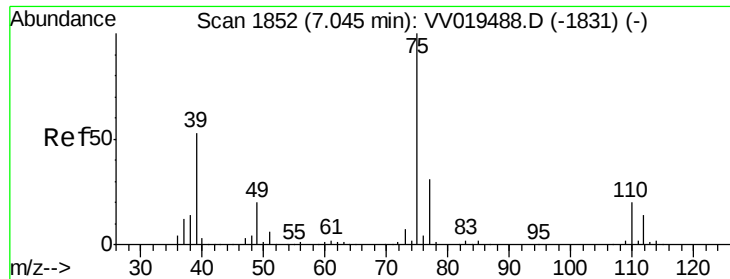


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

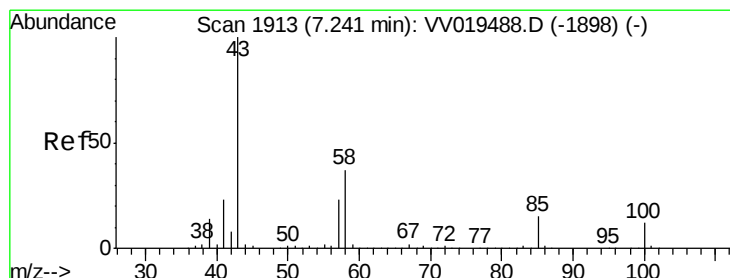
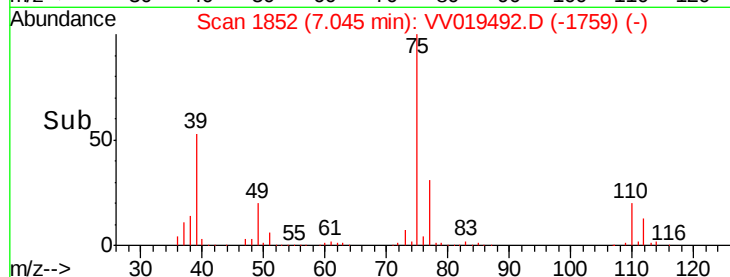
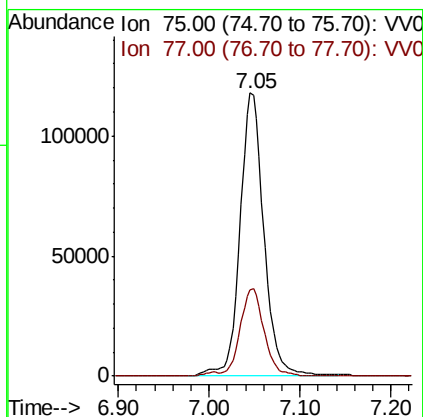
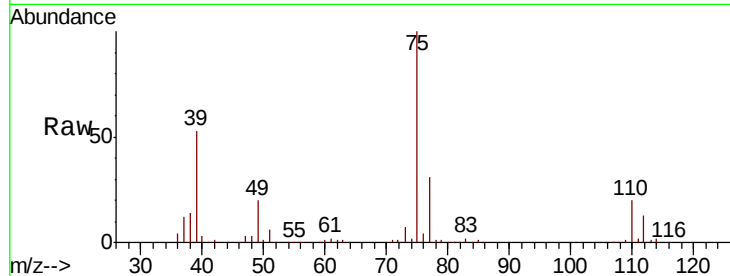




#39
 cis-1,3-Dichloropropene
 Concen: 55.475 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV019492.D
 Acq: 07 Dec 2020 15:05

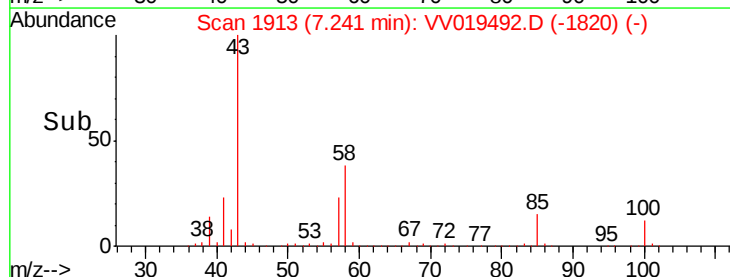
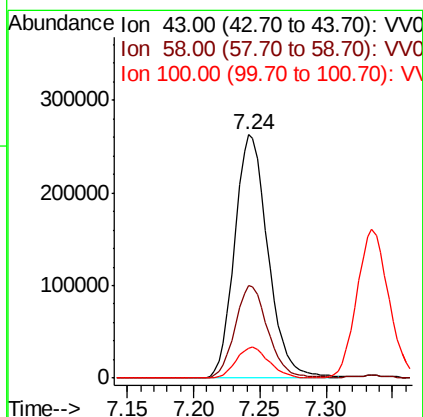
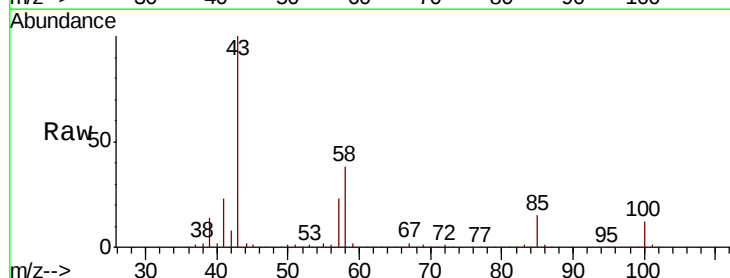
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

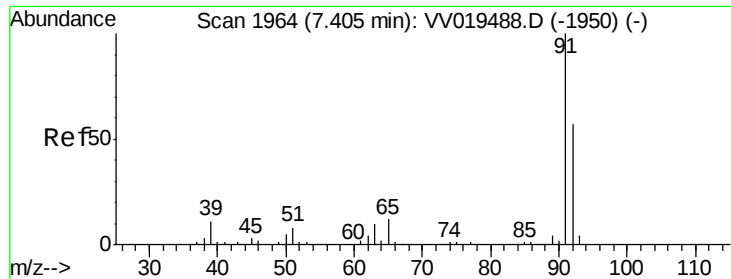
Tot Ion: 75 Resp: 215582
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 111.945 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VV019492.D
 Acq: 07 Dec 2020 15:05

Tgt Ion: 43 Resp: 459390
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.5 44.3
 100 12.7 10.0 15.0





#42

Toluene

Concen: 54.087 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

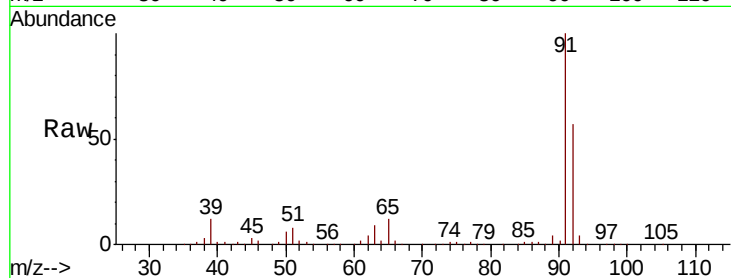
VSTD05079

Tot Ion: 91 Resp: 505231

Ion Ratio Lower Upper

91 100

92 57.4 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VV019488.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV019492.D (-1871) (-)

7.41

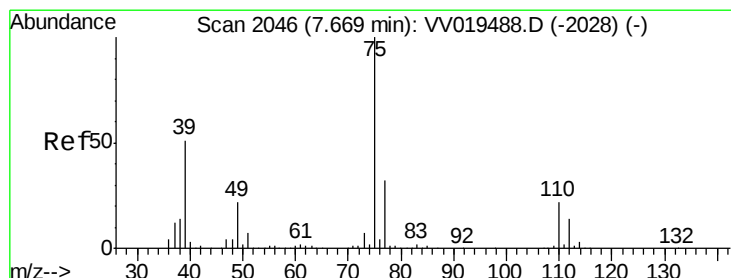
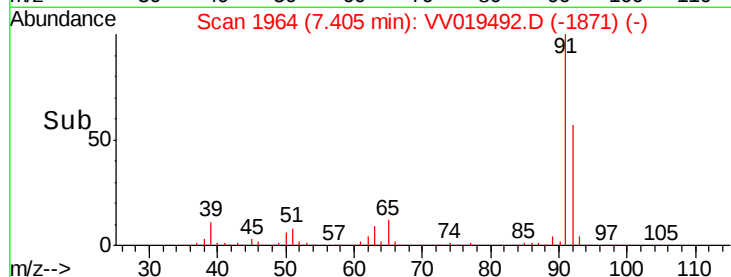
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.483 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019492.D

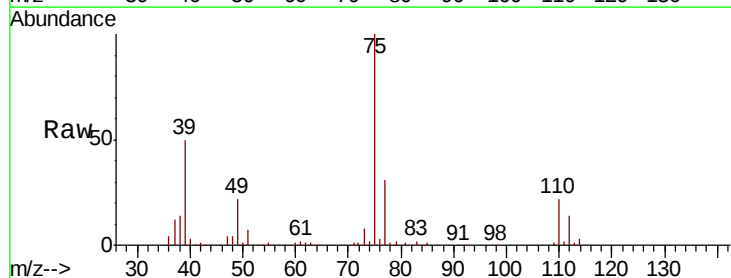
Acq: 07 Dec 2020 15:05

Tgt Ion: 75 Resp: 214751

Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV019488.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV019492.D (-1953) (-)

7.67

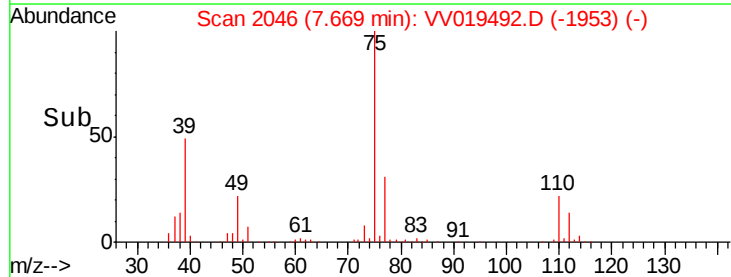
150000

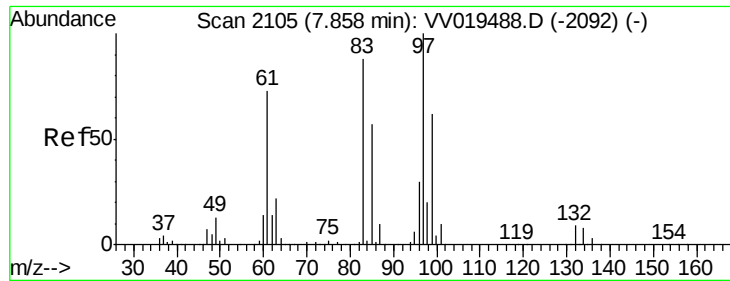
100000

50000

0

Time-->

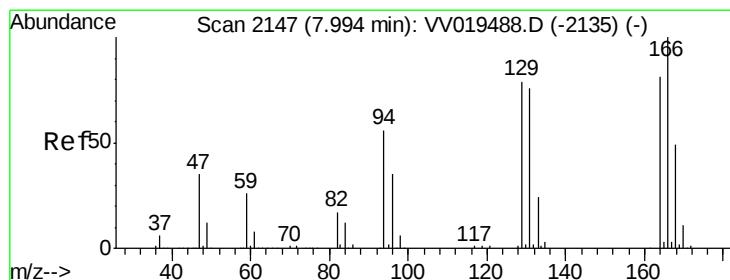
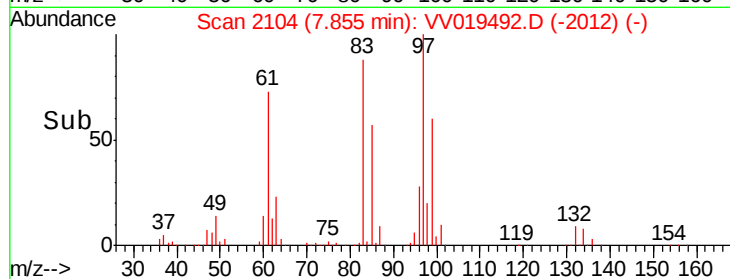
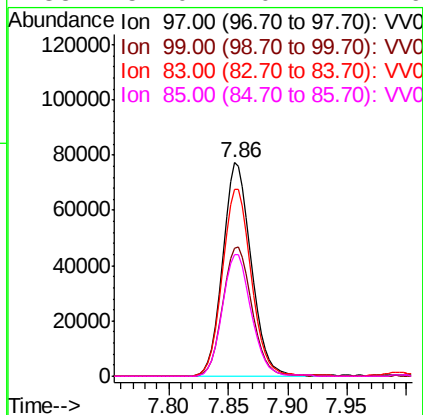
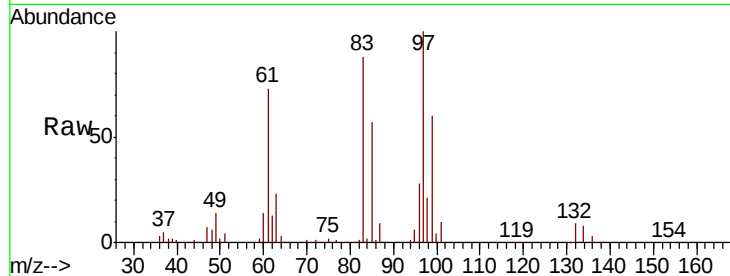




#45
 1,1,2-Trichloroethane
 Concen: 51.989 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: VV019492.D
 Acq: 07 Dec 2020 15:05

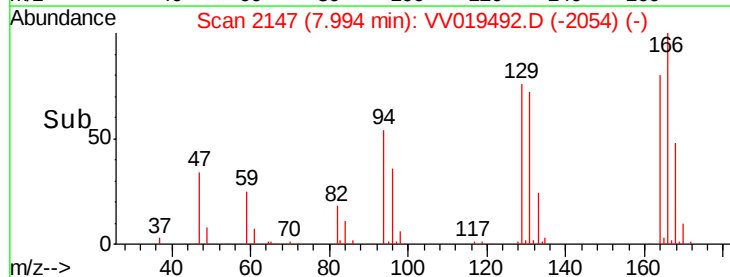
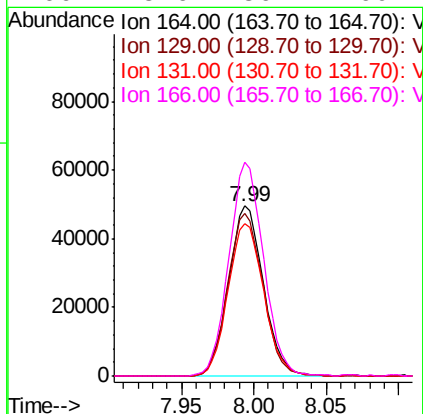
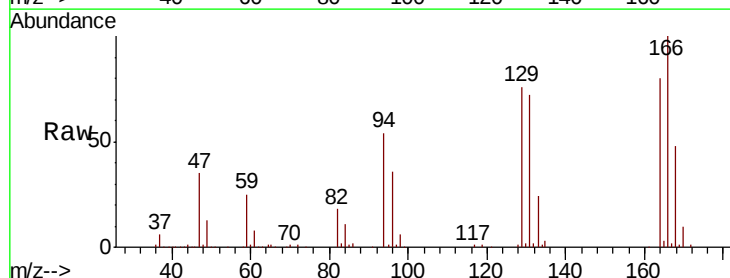
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

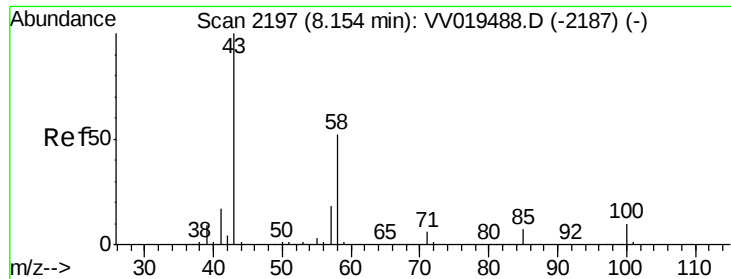
Tot Ion:	97	Resp:	128879
Ion	Ratio	Lower	Upper
97	100		
99	60.0	43.1	80.1
83	87.5	61.7	114.7
85	57.0	40.2	74.6



#46
 Tetrachloroethene
 Concen: 52.543 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VV019492.D
 Acq: 07 Dec 2020 15:05

Tgt Ion:	164	Resp:	82387
Ion	Ratio	Lower	Upper
164	100		
129	95.5	68.4	127.0
131	89.8	65.6	121.8
166	125.6	86.4	160.4

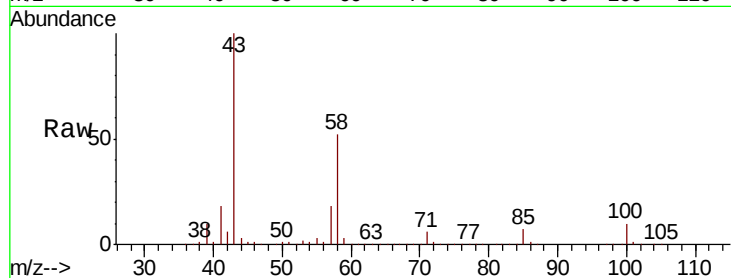




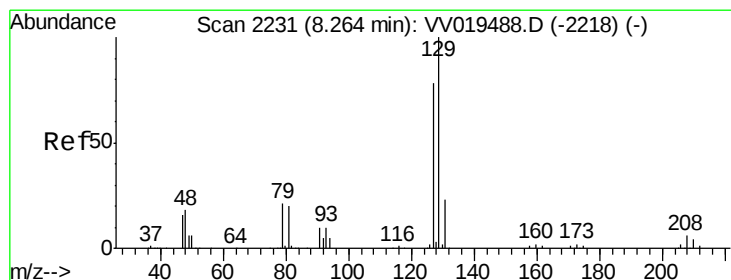
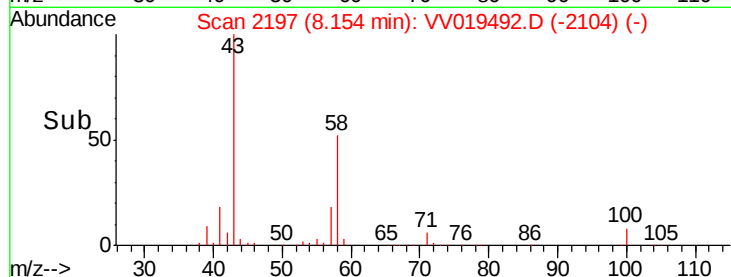
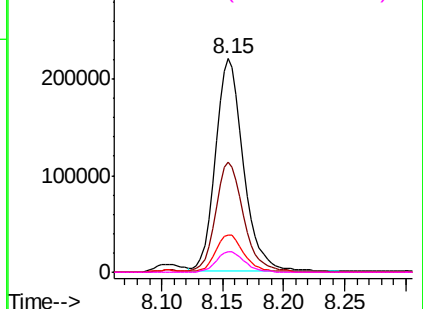
#48
2-Hexanone
Concen: 107.484 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV019492.D
Acq: 07 Dec 2020 15:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Tot Ion:	43	Resp:	354615
Ion	Ratio	Lower	Upper
43	100		
58	52.7	41.0	61.6
57	18.2	14.2	21.2
100	9.7	8.0	12.0

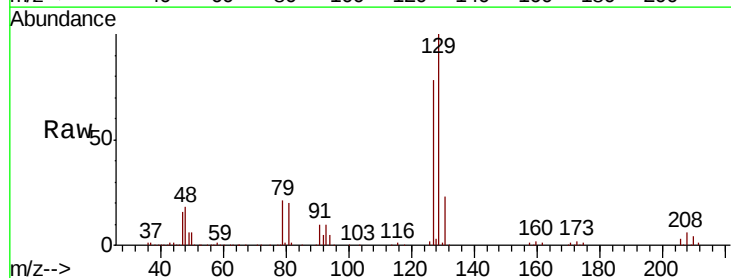


Abundance Ion 43.00 (42.70 to 43.70): VV019488.D (-2187) (-)
Ion 58.00 (57.70 to 58.70): VV019488.D (-2187) (-)
Ion 57.00 (56.70 to 57.70): VV019488.D (-2187) (-)
Ion 100.00 (99.70 to 100.70): VV019488.D (-2187) (-)

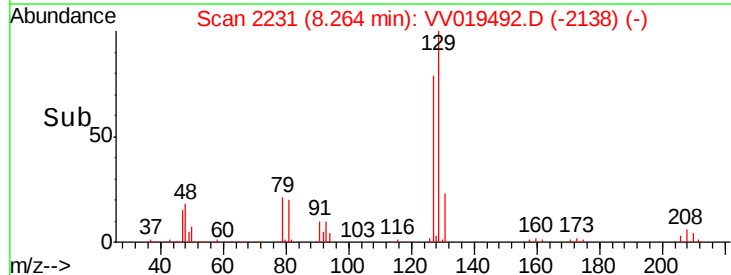
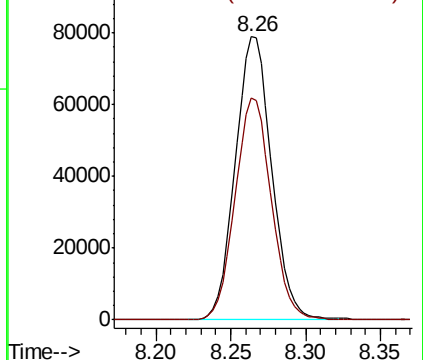


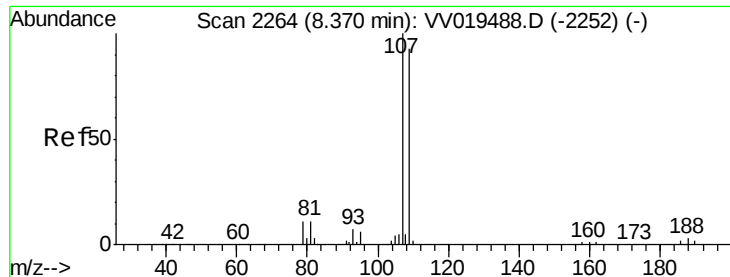
#49
Dibromochloromethane
Concen: 52.169 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV019492.D
Acq: 07 Dec 2020 15:05

Tgt Ion:	129	Resp:	133981
Ion	Ratio	Lower	Upper
129	100		
127	78.3	54.3	100.9



Abundance Ion 129.00 (128.70 to 129.70): VV019488.D (-2218) (-)
Ion 127.00 (126.70 to 127.70): VV019488.D (-2218) (-)

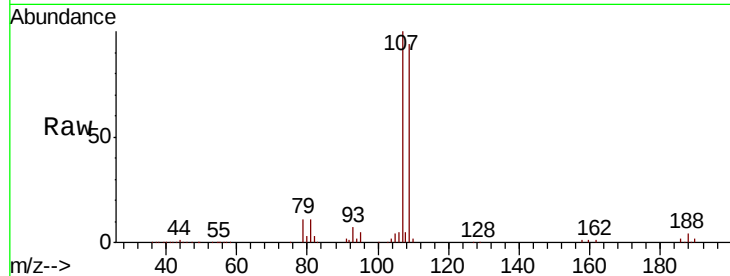




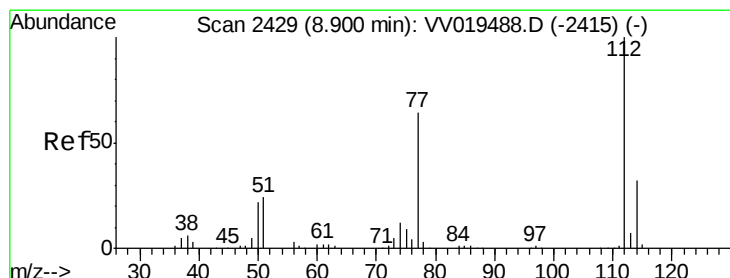
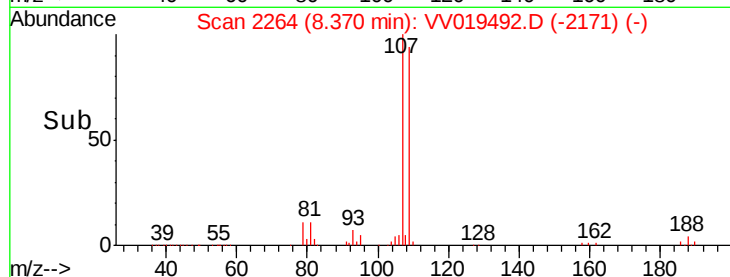
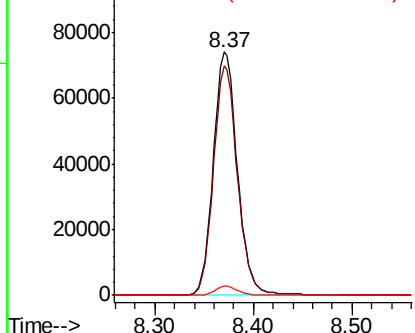
#50
1,2-Dibromoethane
Concen: 51.839 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VV019492.D
Acq: 07 Dec 2020 15:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Tot Ion:107 Resp: 126771
Ion Ratio Lower Upper
107 100
109 94.1 65.1 120.9
188 3.8 2.6 4.0

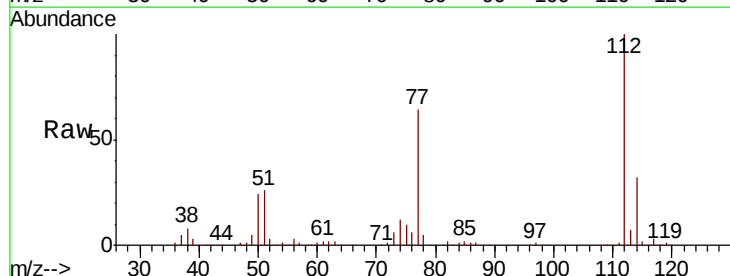


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

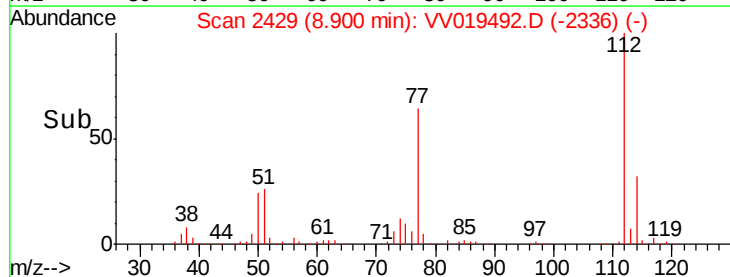
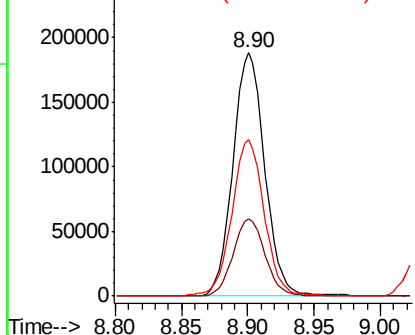


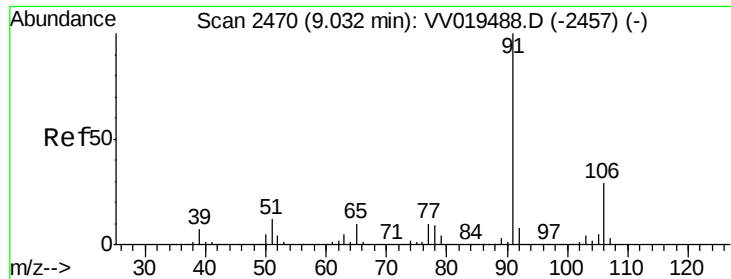
#51
Chlorobenzene
Concen: 51.511 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019492.D
Acq: 07 Dec 2020 15:05

Tgt Ion:112 Resp: 313415
Ion Ratio Lower Upper
112 100
114 31.9 22.4 41.6
77 64.4 51.6 77.4



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





#52

Ethylbenzene

Concen: 54.079 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

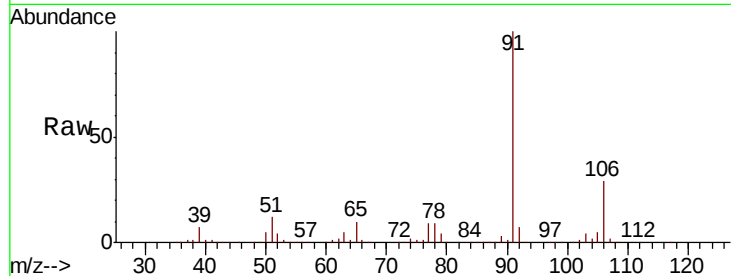
VSTD05079

Tot Ion: 91 Resp: 549502

Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VV019488.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV019488.D (-2457) (-)

9.03

400000

300000

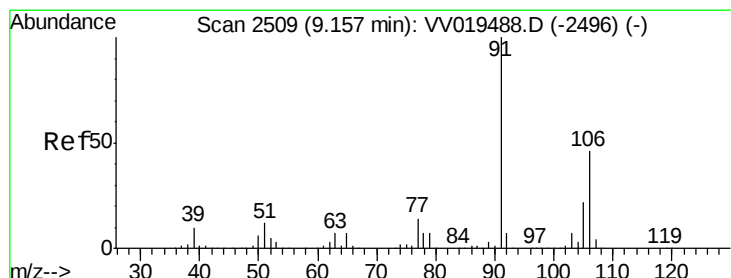
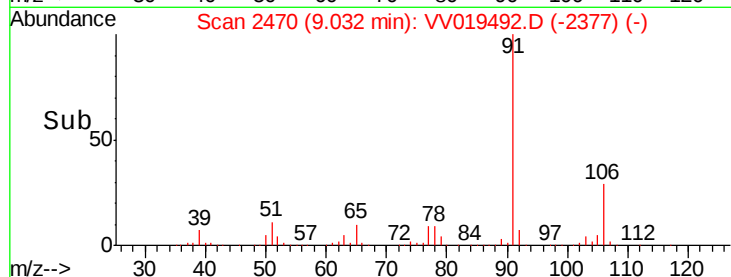
200000

100000

0

8.95 9.00 9.05 9.10

Time-->



#53

m,p-Xylene

Concen: 54.399 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019492.D

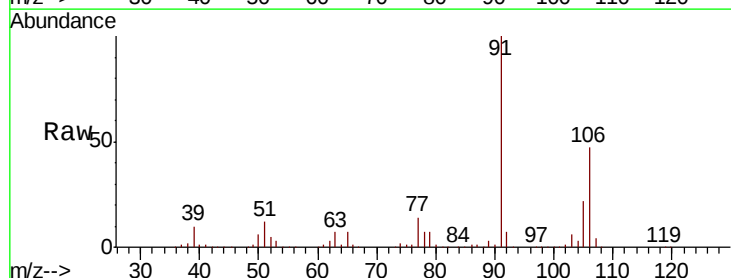
Acq: 07 Dec 2020 15:05

Tgt Ion: 106 Resp: 196215

Ion Ratio Lower Upper

106 100

91 215.0 151.7 281.7



Abundance Ion 106.00 (105.70 to 106.70): VV019488.D (-2496) (-)

Ion 91.00 (90.70 to 91.70): VV019488.D (-2496) (-)

9.16

300000

250000

200000

150000

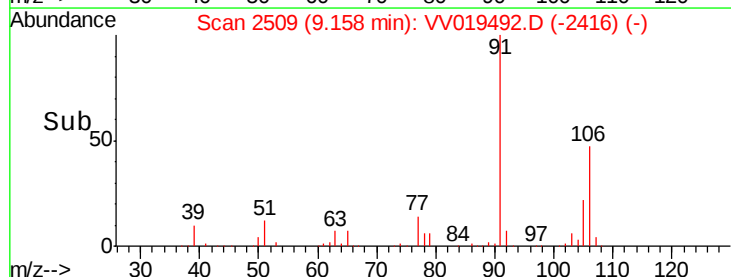
100000

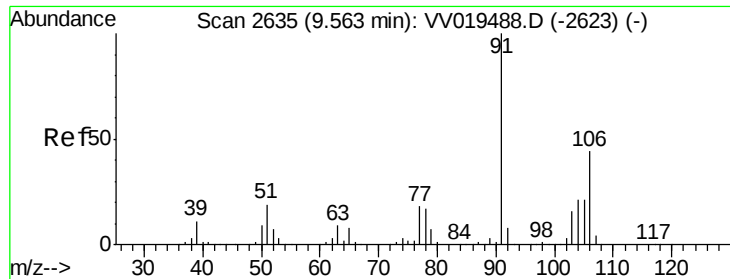
50000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 55.802 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

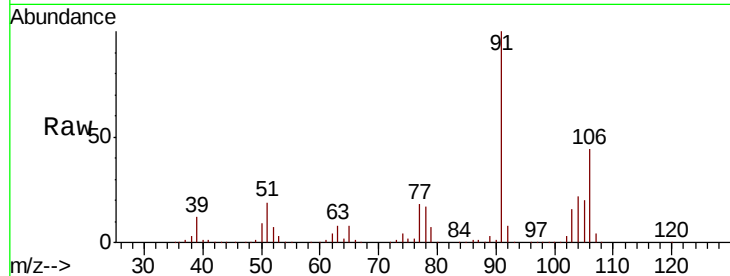
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Tot Ion:106 Resp: 195206

Ion Ratio Lower Upper

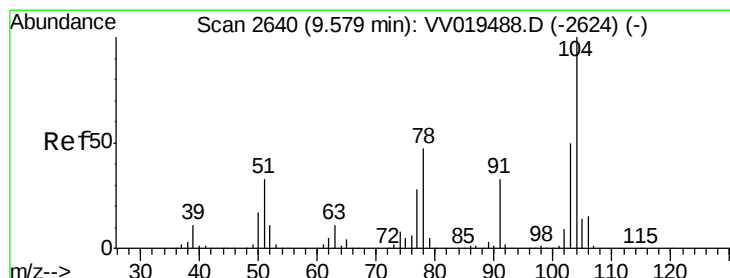
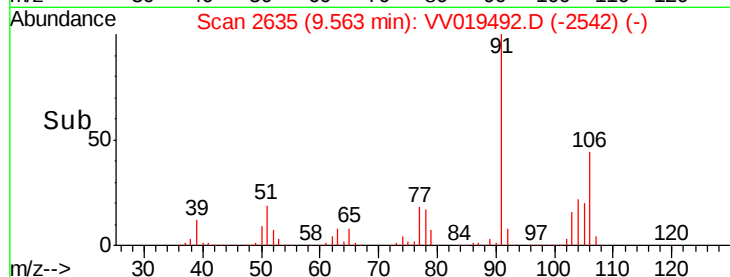
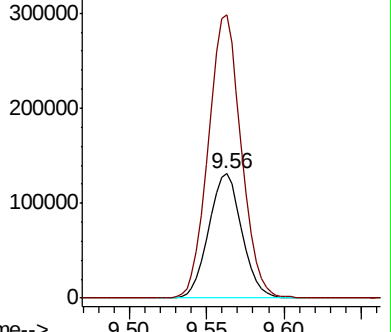
106 100

91 227.8 158.1 293.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 56.931 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019492.D

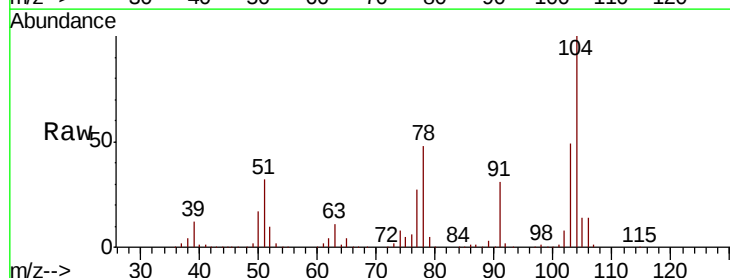
Acq: 07 Dec 2020 15:05

Tgt Ion:104 Resp: 356848

Ion Ratio Lower Upper

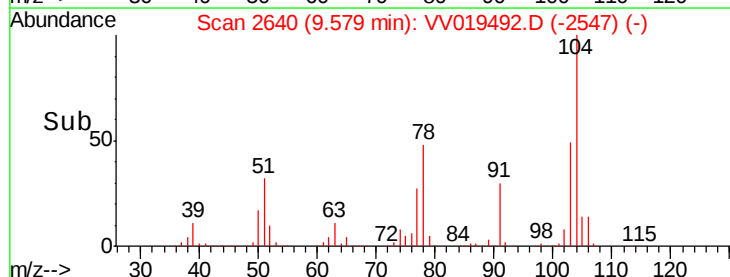
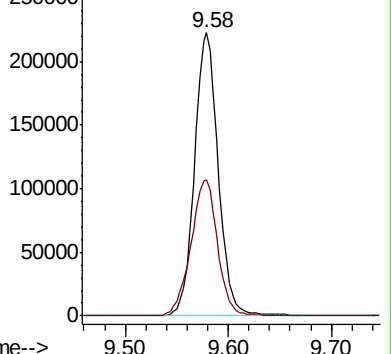
104 100

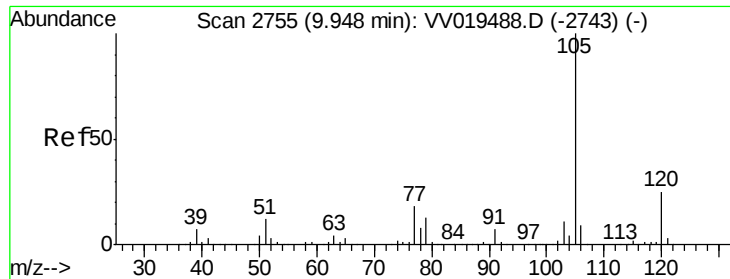
78 47.9 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 56.307 ug/L

RT: 9.95 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

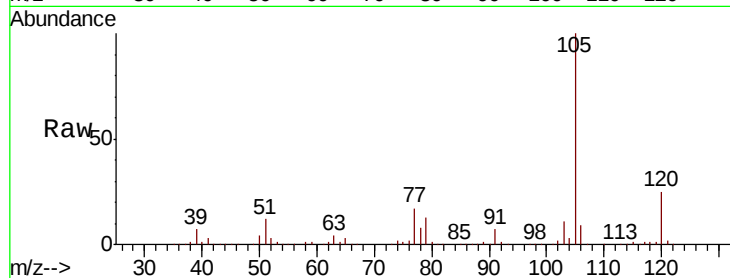
Tot Ion:105 Resp: 534607

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.4

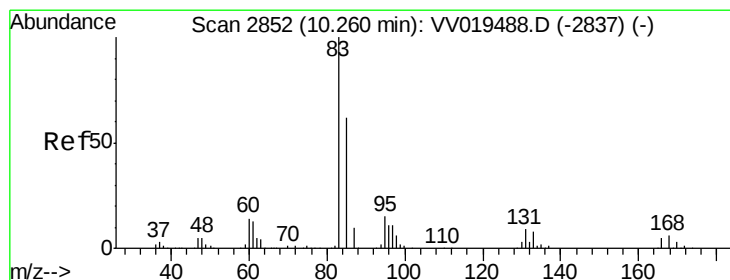
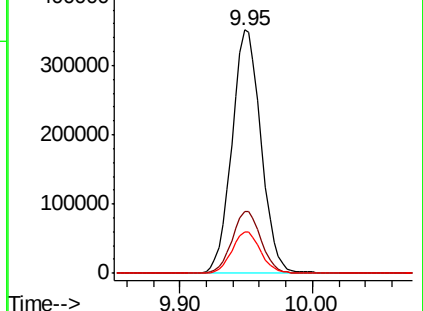
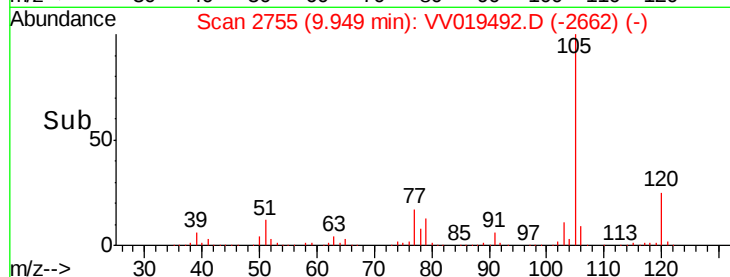
77 17.1 14.1 21.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 54.306 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

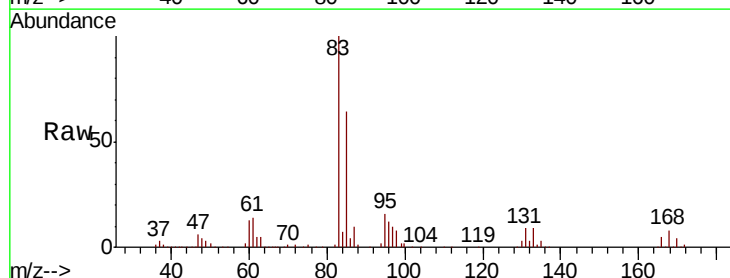
Tgt Ion: 83 Resp: 204517

Ion Ratio Lower Upper

83 100

85 64.2 43.3 80.3

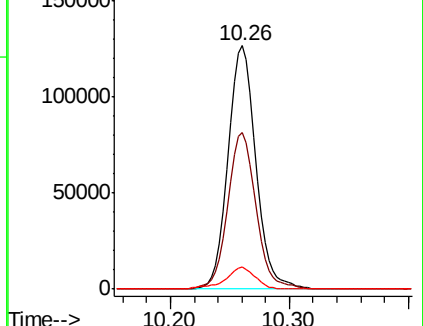
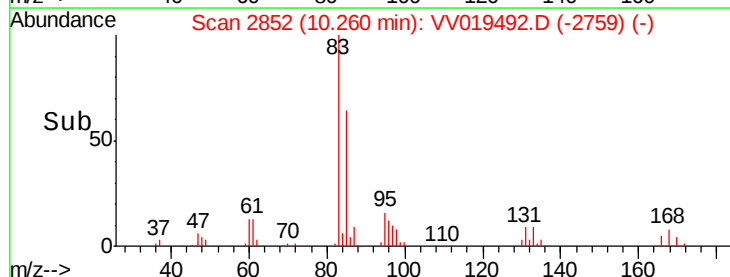
131 8.9 7.0 10.4

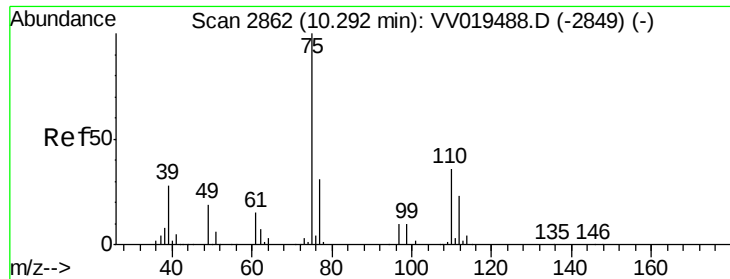


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.625 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

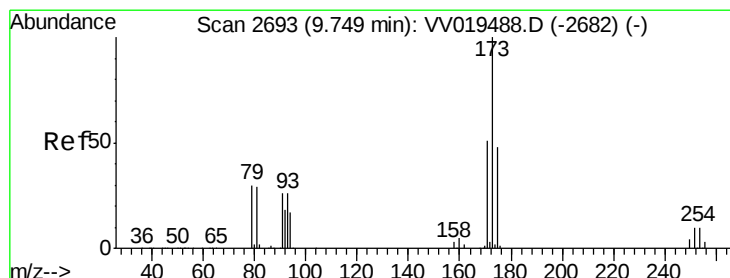
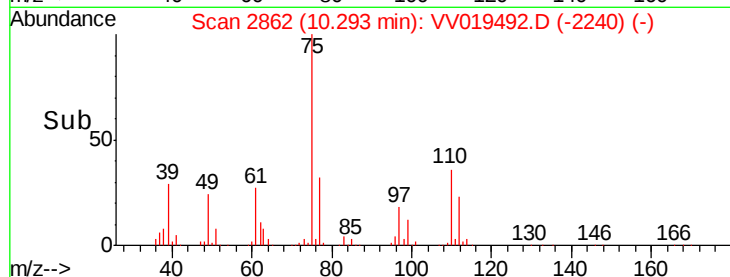
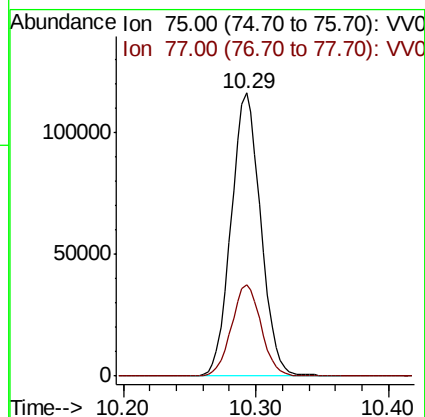
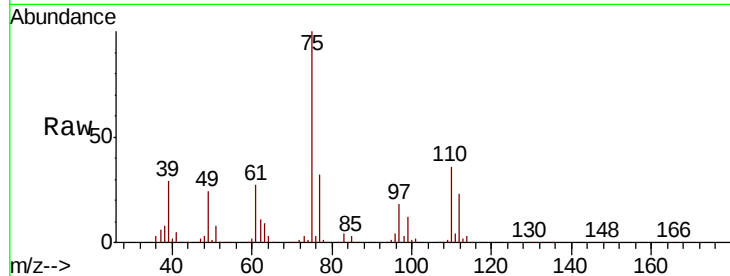
VSTD05079

Tot Ion: 75 Resp: 180441

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3



#61

Bromoform

Concen: 51.640 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

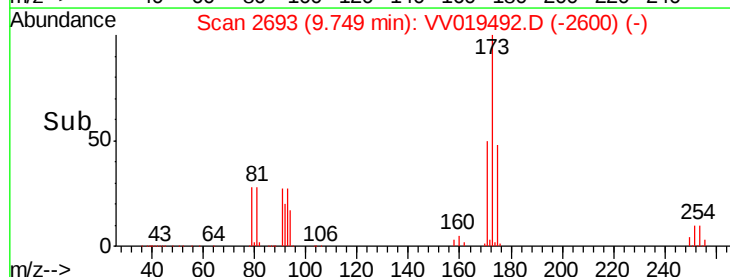
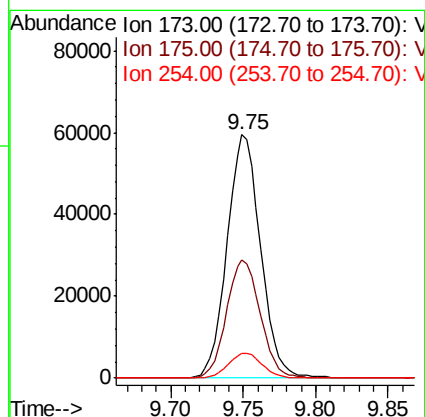
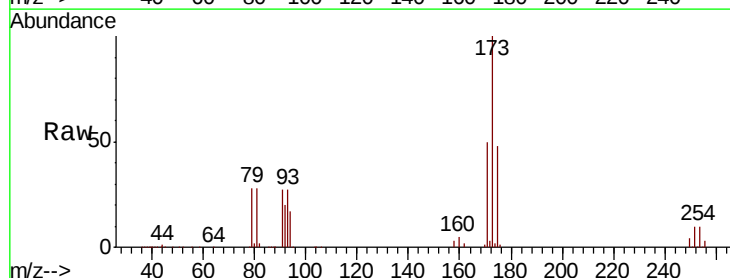
Tgt Ion: 173 Resp: 95305

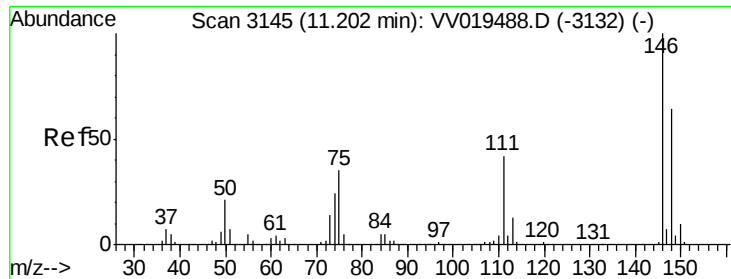
Ion Ratio Lower Upper

173 100

175 48.9 37.8 56.6

254 10.3 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 50.776 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. -0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

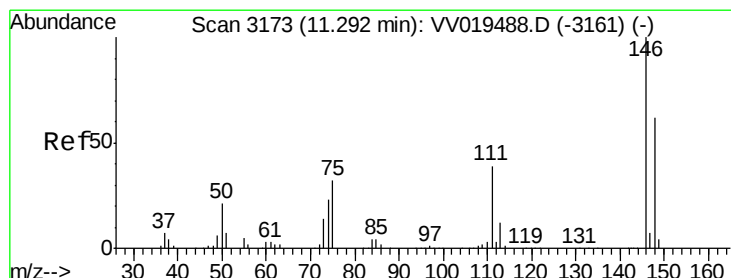
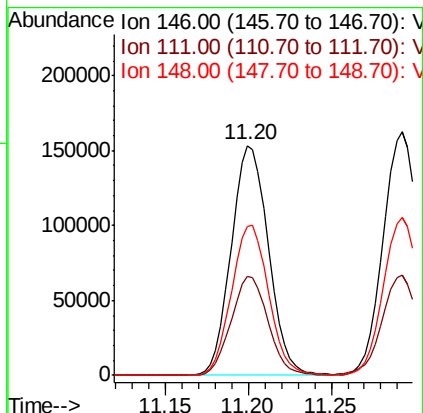
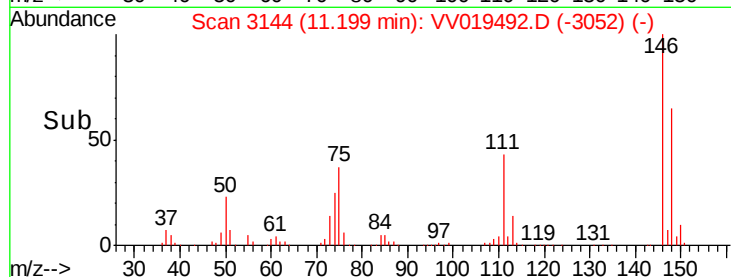
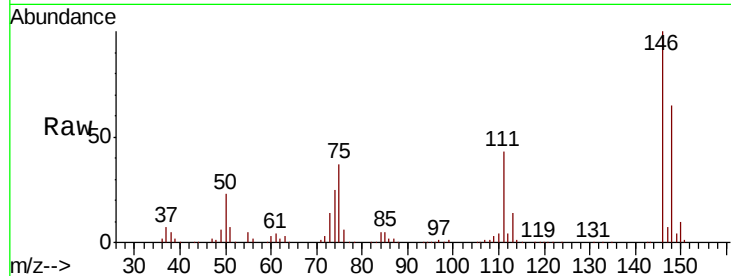
Tot Ion:146 Resp: 239662

Ion Ratio Lower Upper

146 100

111 43.1 29.6 55.0

148 65.0 44.6 82.8



#63

1,4-Dichlorobenzene

Concen: 50.472 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

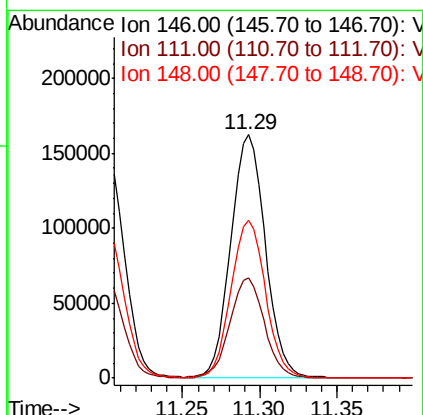
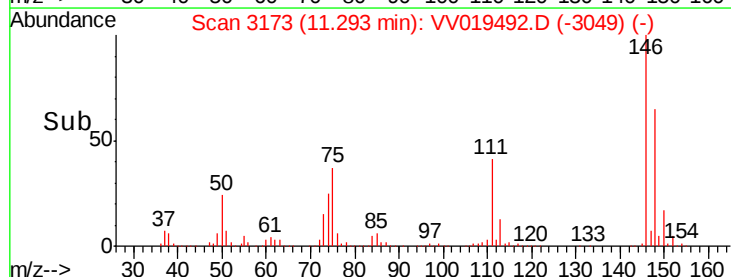
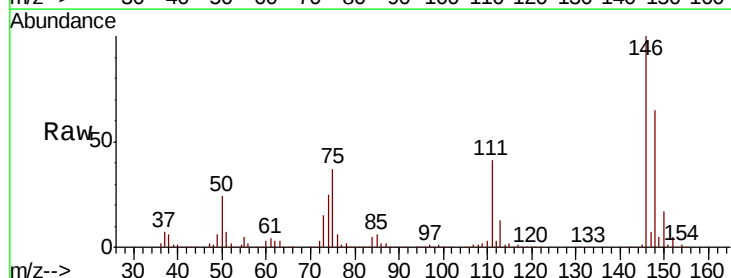
Tgt Ion:146 Resp: 250058

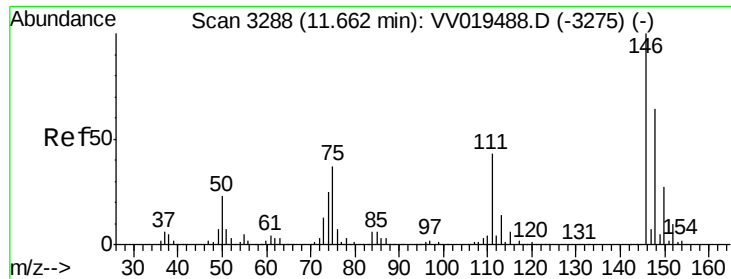
Ion Ratio Lower Upper

146 100

111 41.1 27.6 51.2

148 64.8 43.7 81.1





#65

1,2-Dichlorobenzene

Concen: 51.256 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

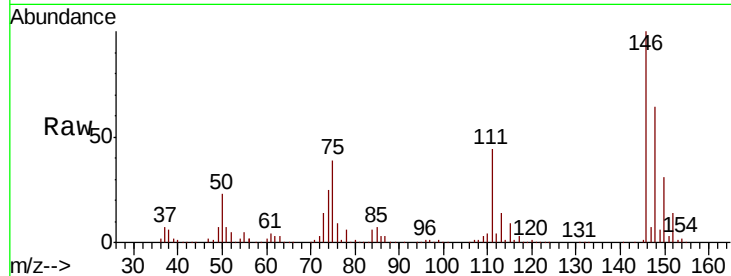
Tot Ion:146 Resp: 248756

Ion Ratio Lower Upper

146 100

111 44.0 34.7 52.1

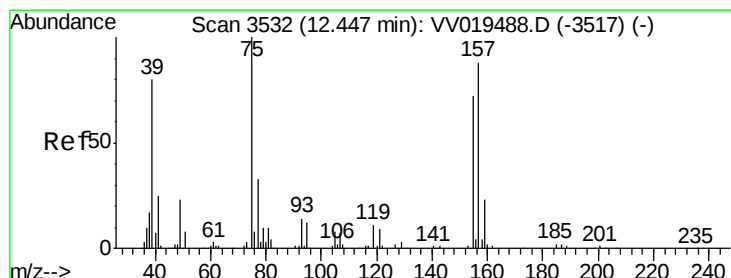
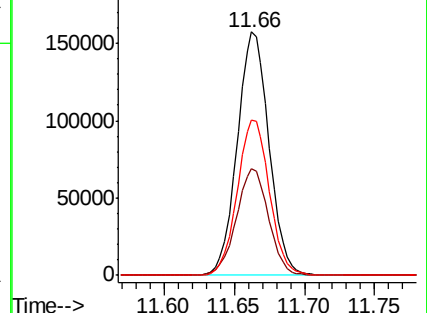
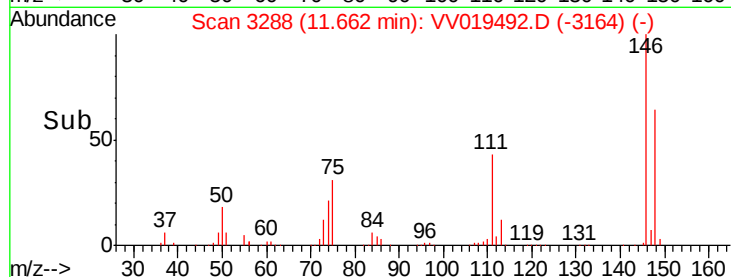
148 64.0 51.0 76.4



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: 50.995 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

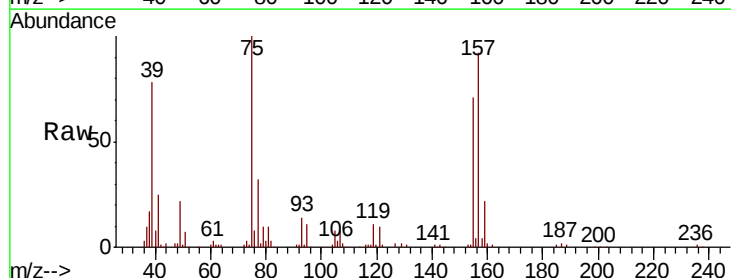
Tgt Ion: 75 Resp: 48869

Ion Ratio Lower Upper

75 100

155 70.9 57.9 86.9

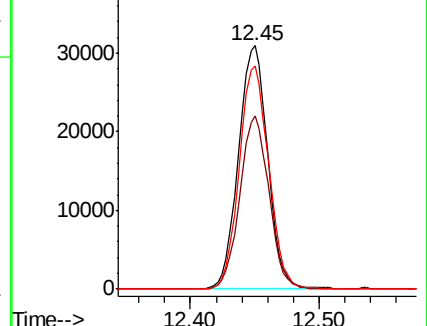
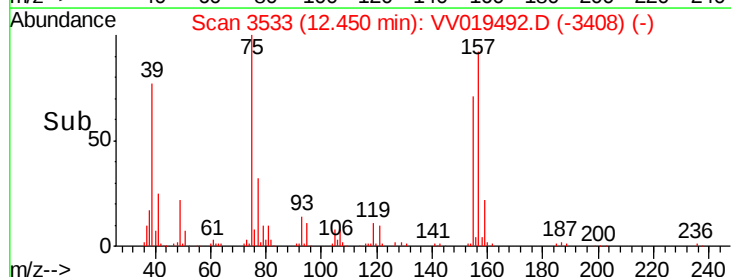
157 91.7 70.6 106.0

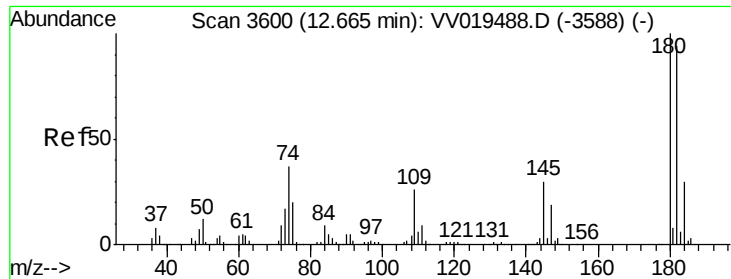


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

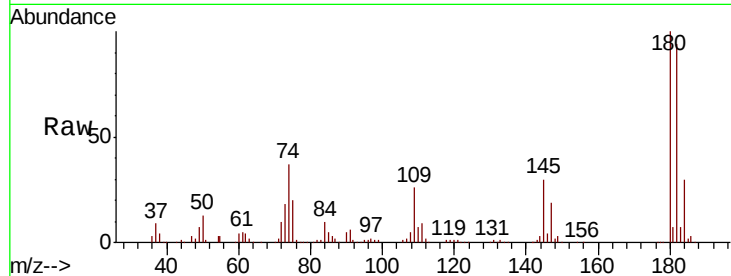




#67
 1,3,5-Trichlorobenzene
 Concen: 49.765 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019492.D
 Acq: 07 Dec 2020 15:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
184	29.7	24.3	36.5
145	29.7	24.2	36.4



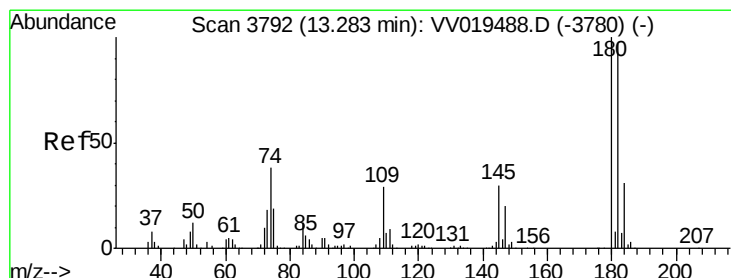
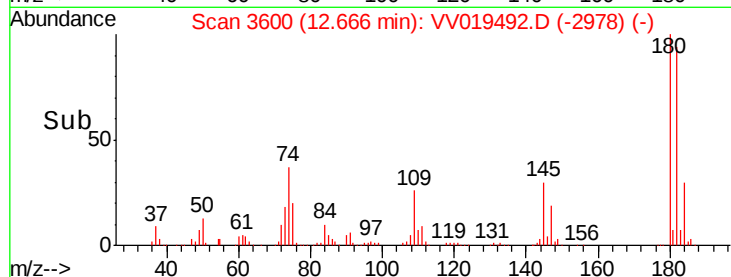
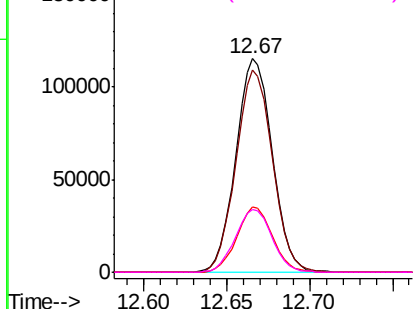
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

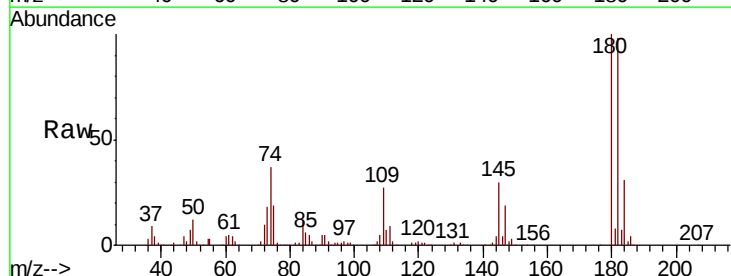
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.196 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019492.D
 Acq: 07 Dec 2020 15:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.5	114.7
145	30.8	24.2	36.4

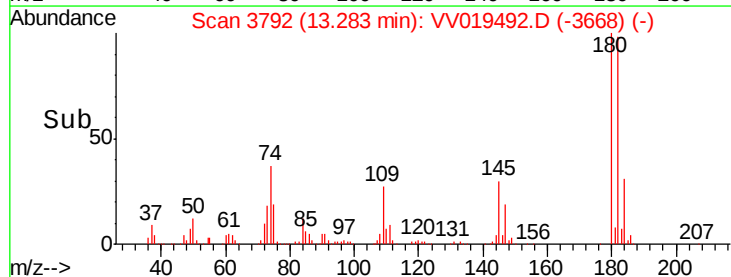
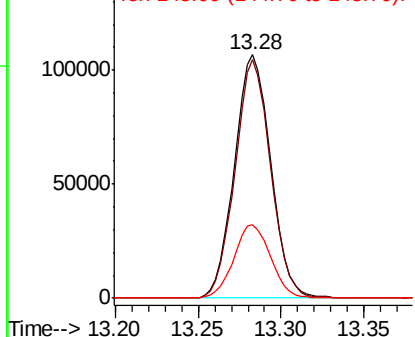


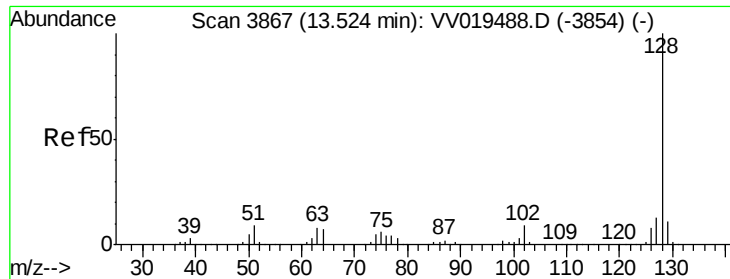
Abundance

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: 55.868 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

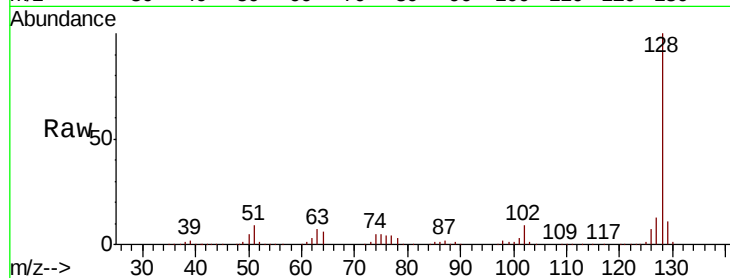
Tot Ion:128 Resp: 457326

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

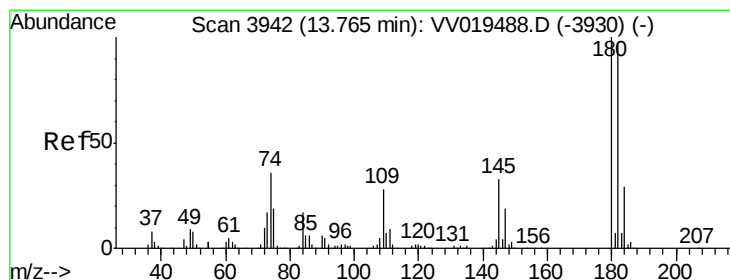
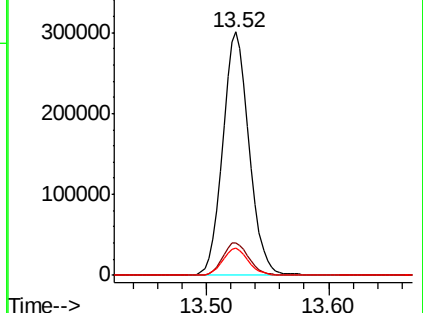
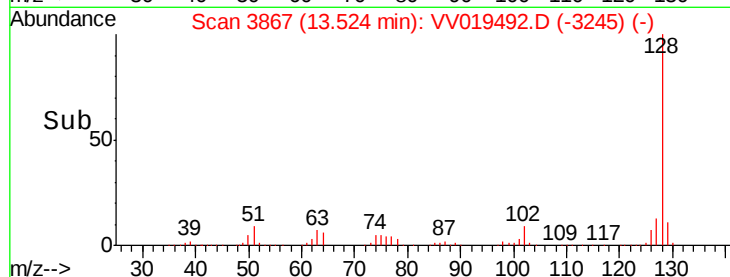
129 10.8 8.6 12.8



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: 52.960 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019492.D

Acq: 07 Dec 2020 15:05

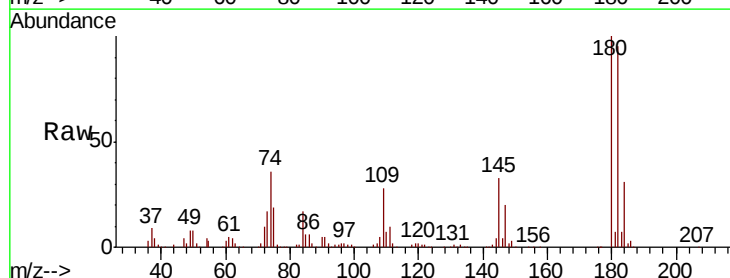
Tgt Ion:180 Resp: 170448

Ion Ratio Lower Upper

180 100

182 95.9 77.0 115.4

145 32.9 26.2 39.4



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

