

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120720\NOT REVIEWED DATA\
 Data File : VV019504.D
 Acq On : 07 Dec 2020 09:26 pm
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Quant Time: Dec 08 10:47:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 08 03:05:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	294613	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	272727	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	130434	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55323	30.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	60.32%
7) Chloroethane-d5	1.58	69	75734	40.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.40%
11) 1,1-Dichloroethene-d2	2.12	63	206558	48.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.34%
21) 2-Butanone-d5	3.90	46	147702	105.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.33%
24) Chloroform-d	4.37	84	221850	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.42%
26) 1,2-Dichloroethane-d4	5.05	65	151655	53.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.24%
32) Benzene-d6	5.07	84	417280	54.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.50%
36) 1,2-Dichloropropane-d6	6.09	67	140240	54.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.08%
41) Toluene-d8	7.33	98	351318	53.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.82%
43) trans-1,3-Dichloropropene-	7.64	79	63562	51.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.64%
47) 2-Hexanone-d5	8.10	63	84923	111.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.58%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	161724	52.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.02%
64) 1,2-Dichlorobenzene-d4	11.64	152	118181	49.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	31786	24.544	ug/L	99
3) Chloromethane	1.25	50	46870	32.754	ug/L	96
5) Vinyl chloride	1.32	62	54229	31.139	ug/L	97
6) Bromomethane	1.53	94	86279	55.561	ug/L	98
8) Chloroethane	1.59	64	59519	44.177	ug/L	96
9) Trichlorofluoromethane	1.76	101	124614	43.712	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	74364	44.393	ug/L	99
12) 1,1-Dichloroethene	2.13	96	77098	49.055	ug/L	98
13) Acetone	2.17	43	107245	64.219	ug/L	100
14) Carbon disulfide	2.31	76	195605	45.586	ug/L	99
15) Methyl Acetate	2.44	43	142162	53.224	ug/L	100
16) Methylene chloride	2.52	84	107949	49.370	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	89691	50.160	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	341566	51.715	ug/L	100
19) 1,1-Dichloroethane	3.21	63	217810	51.864	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	105834	50.845	ug/L	97
22) 2-Butanone	3.98	43	193977	95.196	ug/L	98

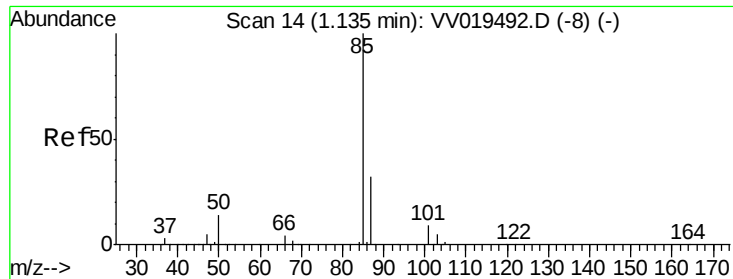
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	52544	50.823	ug/L	94
25) Chloroform	4.40	83	215912	52.011	ug/L	99
27) 1,2-Dichloroethane	5.15	62	177079	52.294	ug/L	100
29) Cyclohexane	4.70	56	136565	48.907	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	175578	53.682	ug/L	99
31) Carbon tetrachloride	4.85	117	142861	53.237	ug/L	100
33) Benzene	5.12	78	430128	55.534	ug/L	100
34) Trichloroethene	5.94	95	110940	51.147	ug/L	99
35) Methylcyclohexane	6.15	83	117285	45.582	ug/L	98
37) 1,2-Dichloropropane	6.19	63	125387	54.380	ug/L	100
38) Bromodichloromethane	6.53	83	161861	54.420	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	179647	55.476	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	390517	114.198	ug/L	100
42) Toluene	7.41	91	411858	52.911	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	172756	52.596	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	106163	51.392	ug/L	98
46) Tetrachloroethene	7.99	164	65394	50.048	ug/L	98
48) 2-Hexanone	8.15	43	279610	101.704	ug/L	99
49) Dibromochloromethane	8.26	129	108165	50.542	ug/L	99
50) 1,2-Dibromoethane	8.37	107	105083	51.566	ug/L	100
51) Chlorobenzene	8.90	112	260429	51.365	ug/L	99
52) Ethylbenzene	9.03	91	446538	52.737	ug/L	99
53) m,p-Xylene	9.16	106	155435	51.714	ug/L	96
54) o-xylene	9.56	106	152751	52.401	ug/L	100
55) Styrene	9.58	104	278866	53.390	ug/L	100
56) Isopropylbenzene	9.95	105	407155	51.462	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	166956	53.200	ug/L	96
59) 1,2,3-Trichloropropane	10.29	75	145719	51.000	ug/L	99
61) Bromoform	9.75	173	75715	51.878	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	190639	51.075	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	195052	49.785	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	200239	52.174	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	39599	52.253	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	140888	50.235	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	130185	52.828	ug/L	99
69) Naphthalene	13.52	128	362352	55.975	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	137897	54.181	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 24.544 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

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ClientSampleId :

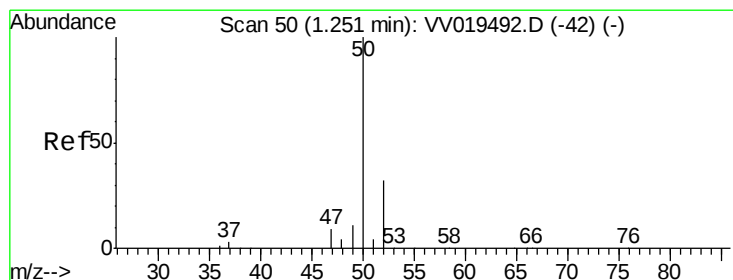
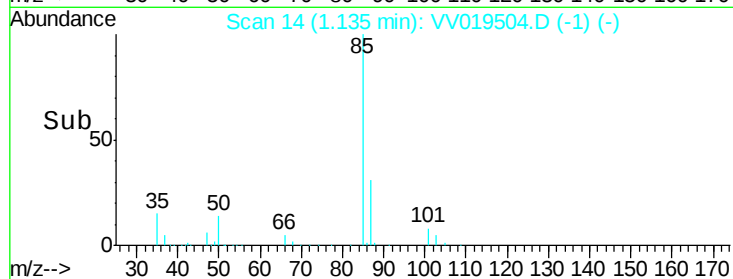
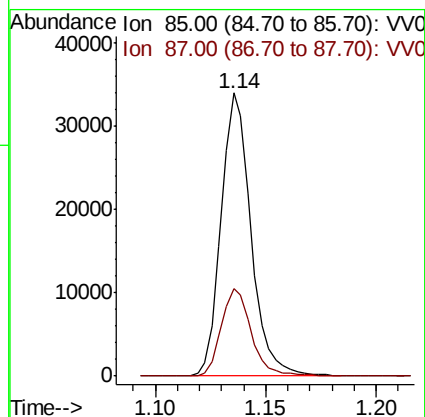
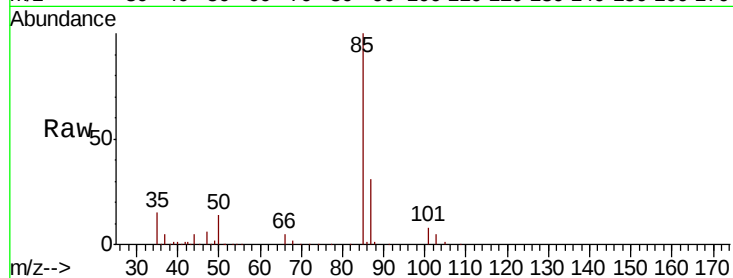
VSTD05080

Tot Ion: 85 Resp: 31786

Ion Ratio Lower Upper

85 100

87 31.1 25.4 38.0



#3

Chloromethane

Concen: 32.754 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV019504.D

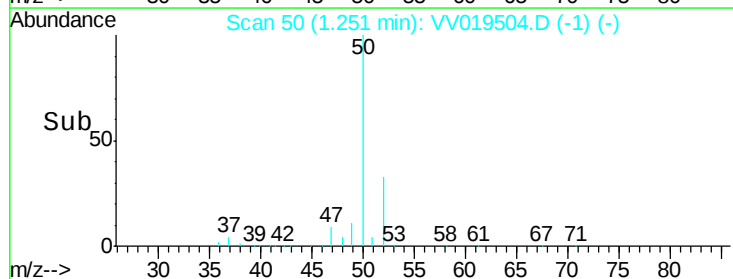
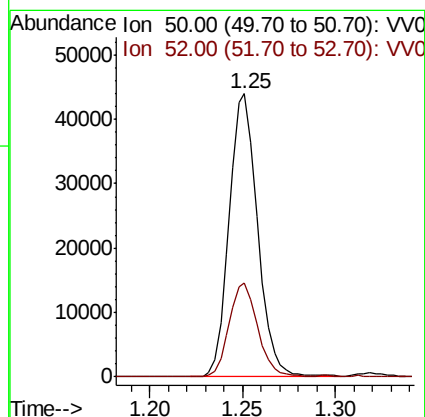
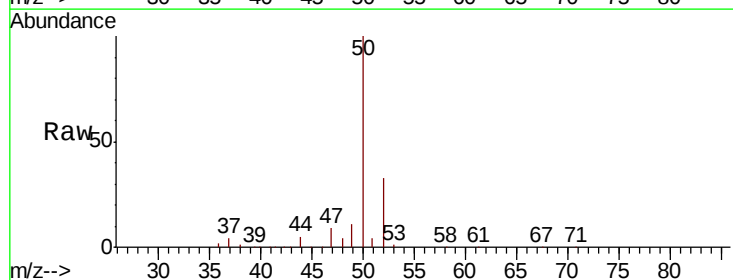
Acq: 07 Dec 2020 09:26 pm

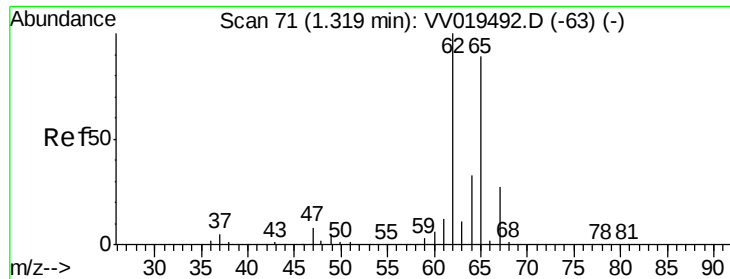
Tgt Ion: 50 Resp: 46870

Ion Ratio Lower Upper

50 100

52 33.2 21.7 40.3





#5

Vinyl chloride

Concen: 31.139 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

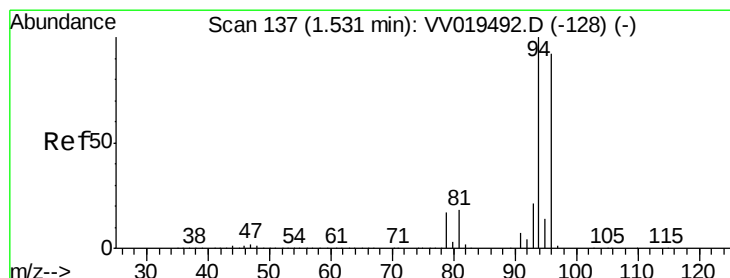
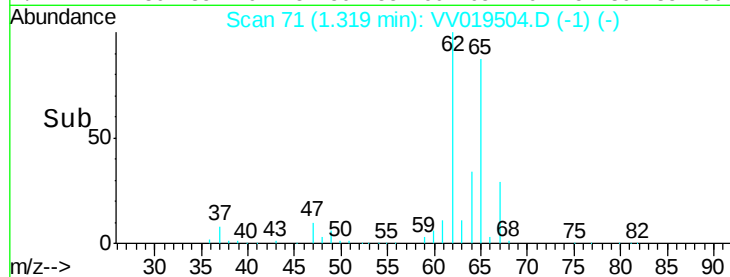
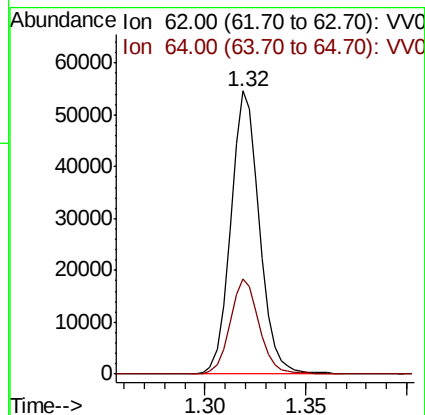
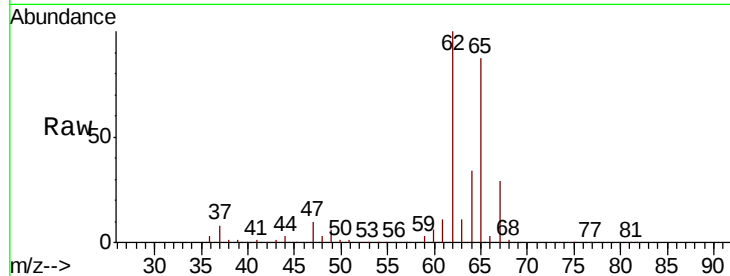
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tot Ion: 62 Resp: 54229

Ion Ratio Lower Upper

62 100

64 33.7 22.6 42.0



#6

Bromomethane

Concen: 55.561 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV019504.D

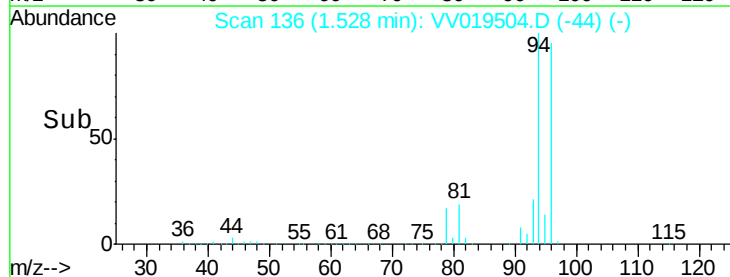
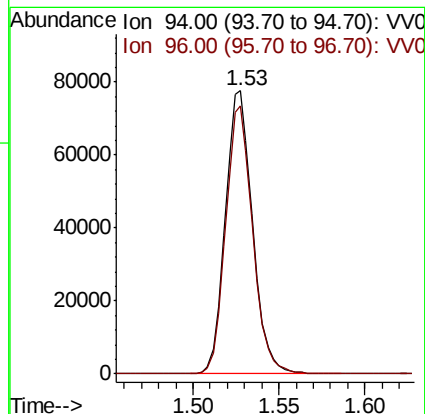
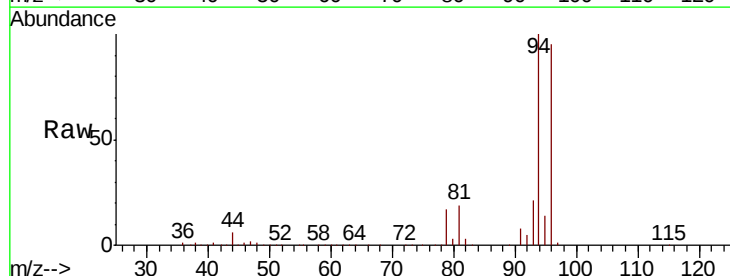
Acq: 07 Dec 2020 09:26 pm

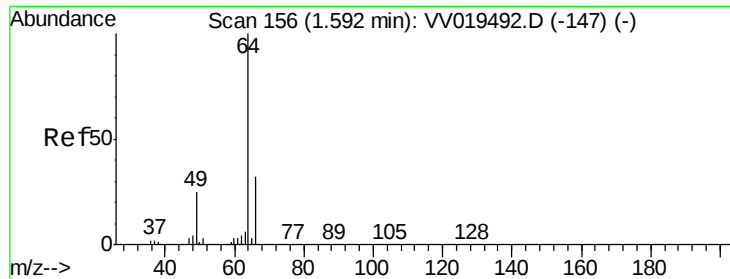
Tgt Ion: 94 Resp: 86279

Ion Ratio Lower Upper

94 100

96 94.8 65.3 121.3





#8

Chloroethane

Concen: 44.177 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Instrument :

MSVOA_V

ClientSampleId :

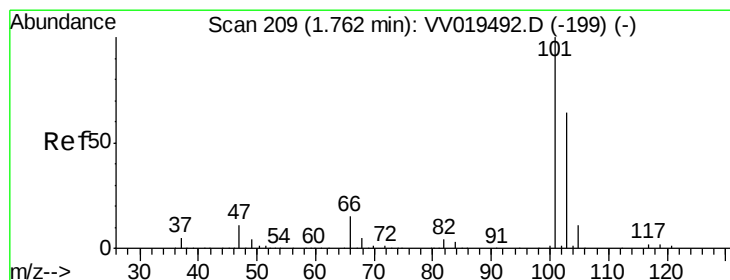
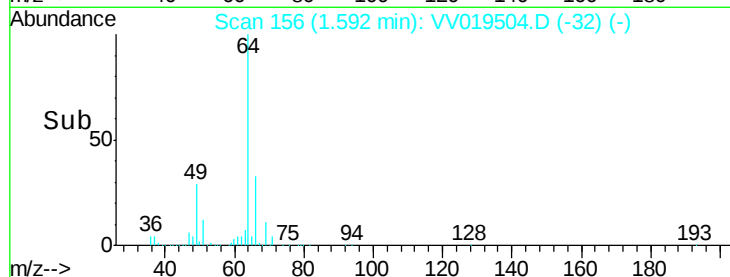
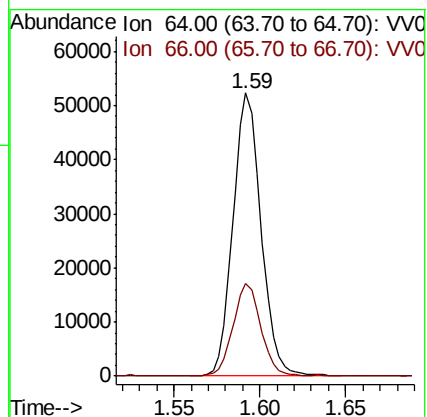
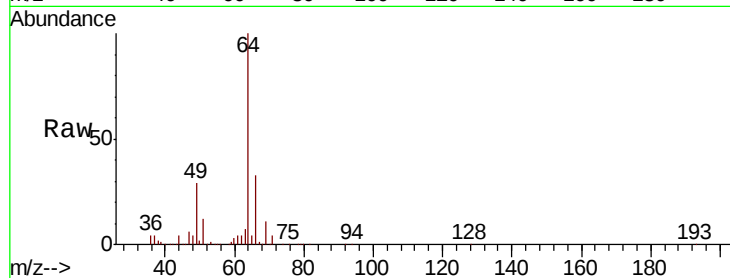
VSTD05080

Tot Ion: 64 Resp: 59519

Ion Ratio Lower Upper

64 100

66 32.7 21.4 39.8



#9

Trichlorofluoromethane

Concen: 43.712 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019504.D

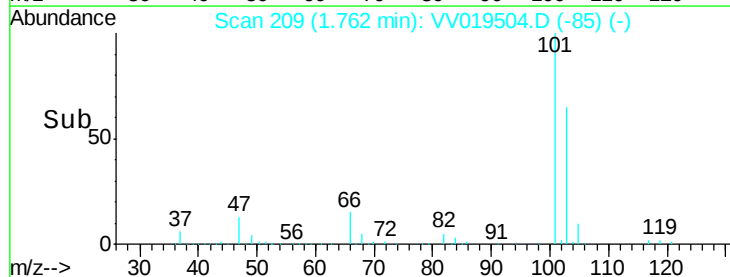
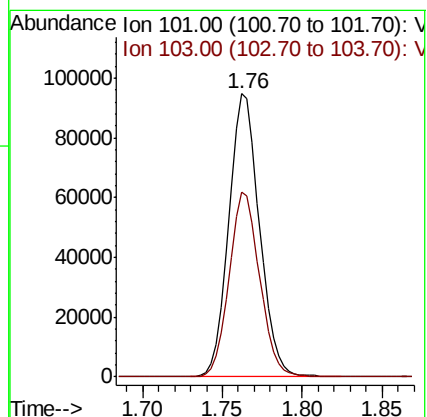
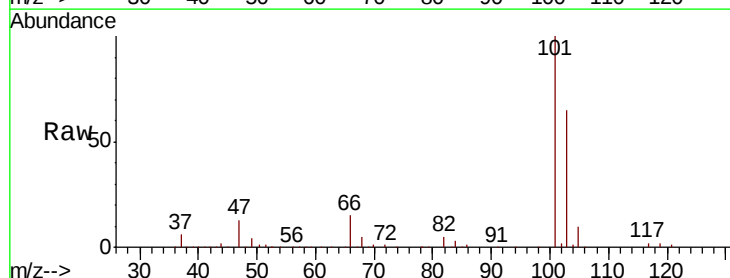
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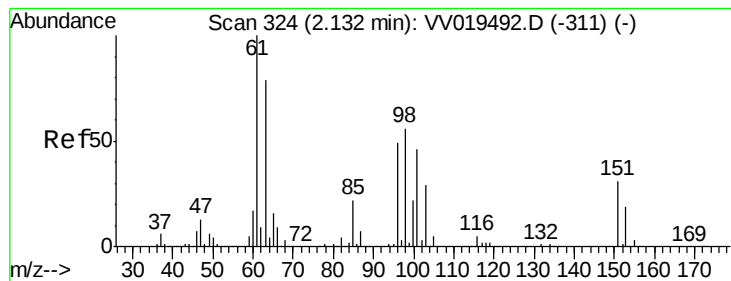
Tgt Ion: 101 Resp: 124614

Ion Ratio Lower Upper

101 100

103 64.9 51.5 77.3





#10

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

Concen: 44.393 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

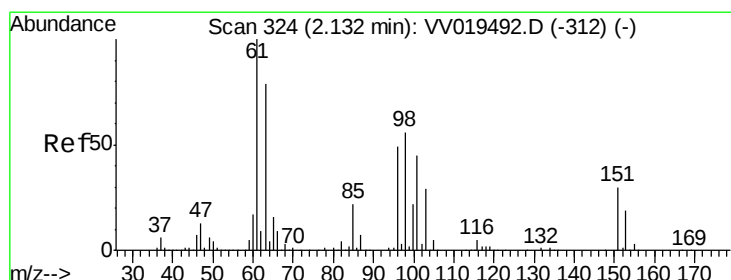
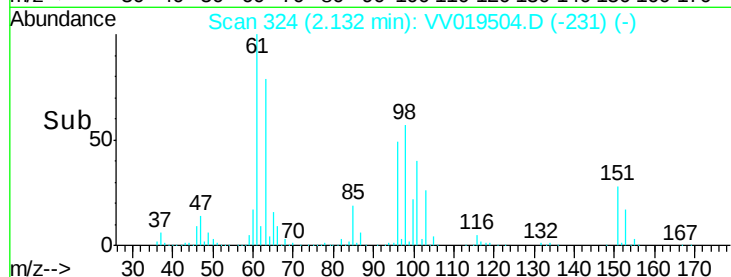
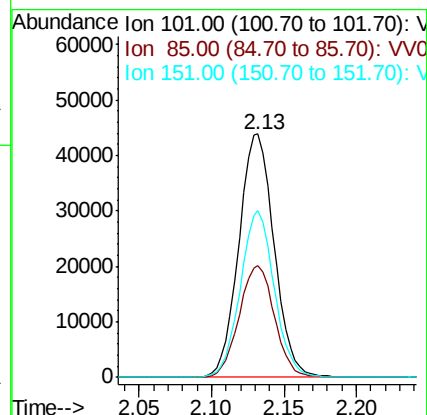
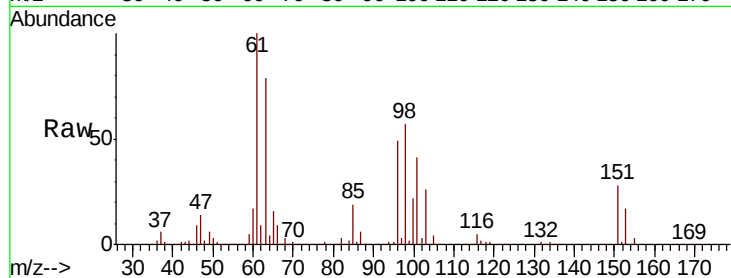
Tot Ion:101 Resp: 74364

Ion Ratio Lower Upper

101 100

85 46.0 37.3 55.9

151 65.7 53.3 79.9



#12

1,1-Dichloroethene

Concen: 49.055 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

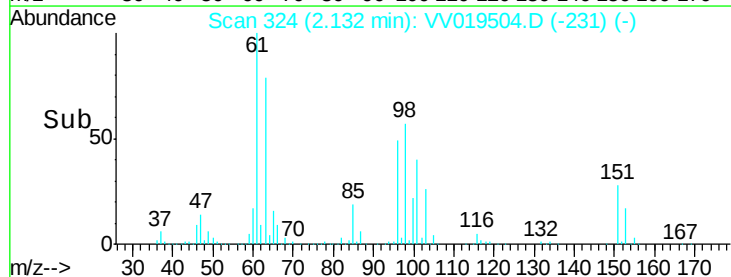
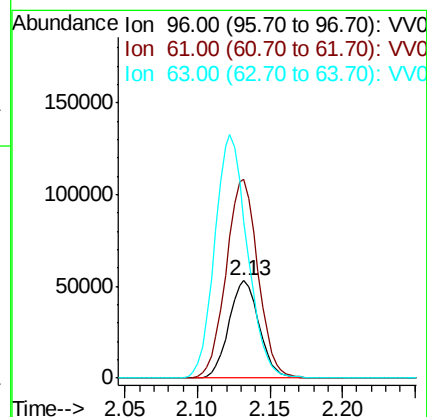
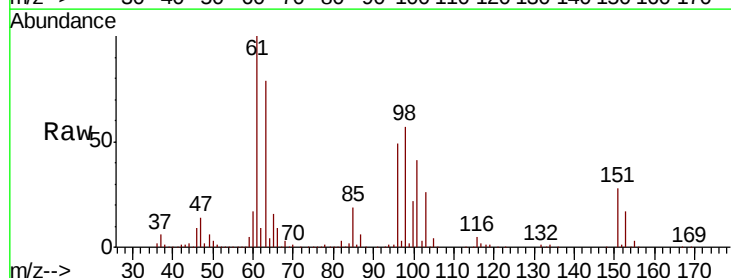
Tgt Ion: 96 Resp: 77098

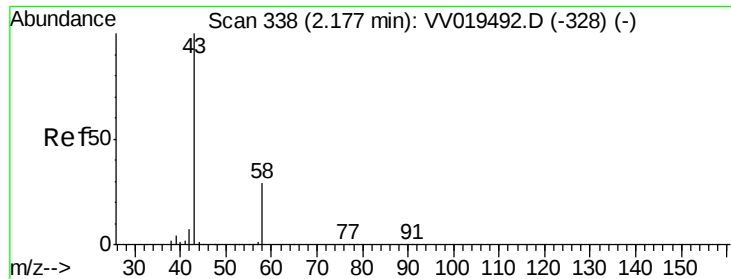
Ion Ratio Lower Upper

96 100

61 204.3 144.8 268.8

63 161.4 110.0 204.2





#13

Acetone

Concen: 64.219 ug/L

RT: 2.17 min Scan# 337

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

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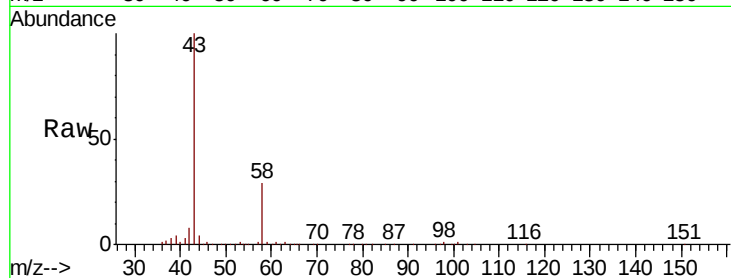
VSTD05080

Tot Ion: 43 Resp: 107245

Ion Ratio Lower Upper

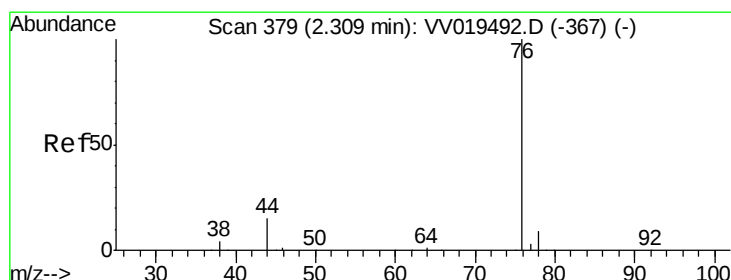
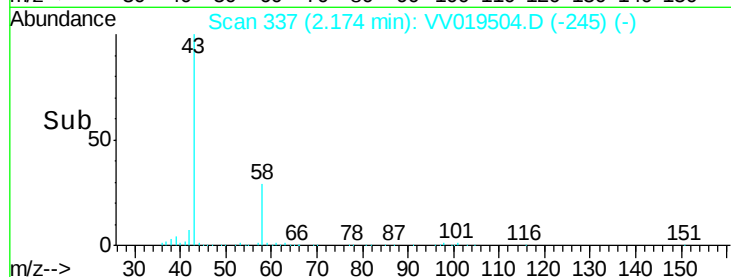
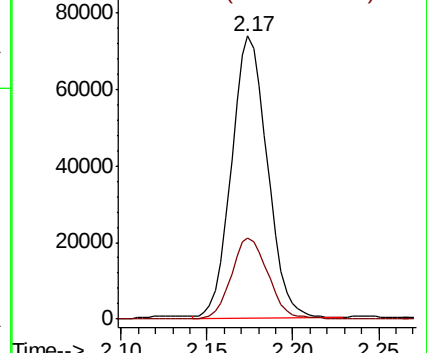
43 100

58 29.2 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 45.586 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019504.D

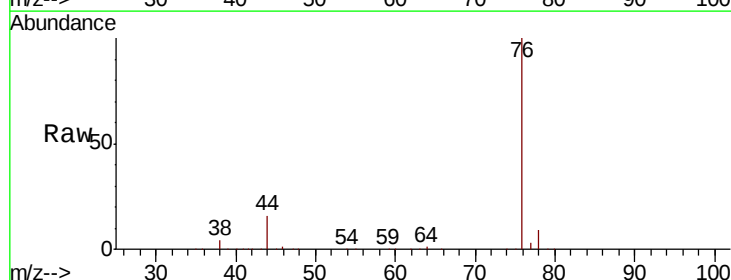
Acq: 07 Dec 2020 09:26 pm

Tgt Ion: 76 Resp: 195605

Ion Ratio Lower Upper

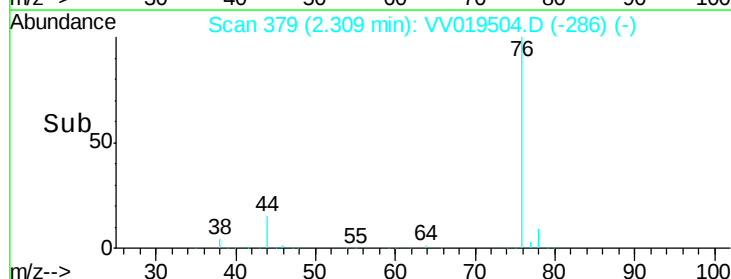
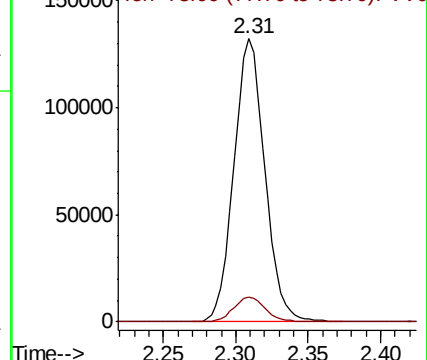
76 100

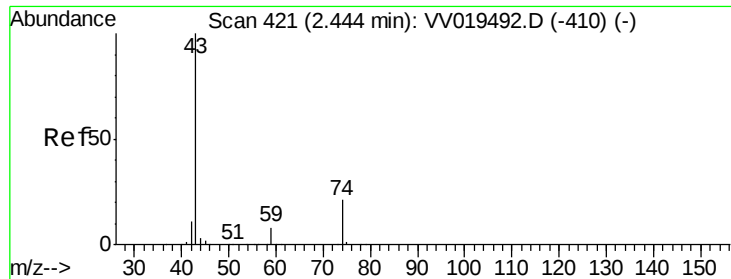
78 8.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 53.224 ug/L

RT: 2.44 min Scan# 420

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Instrument :

MSVOA_V

ClientSampleId :

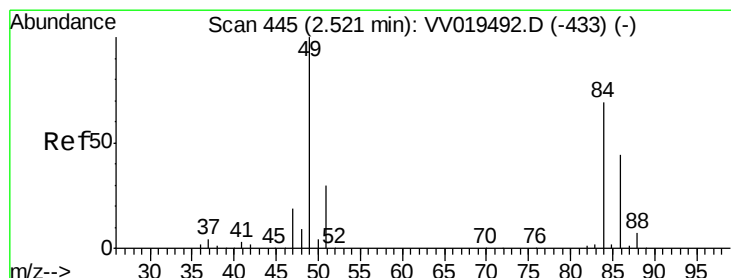
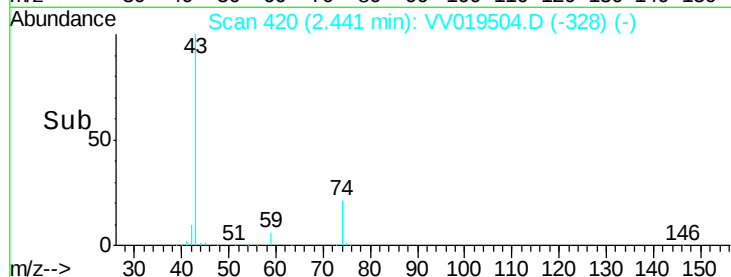
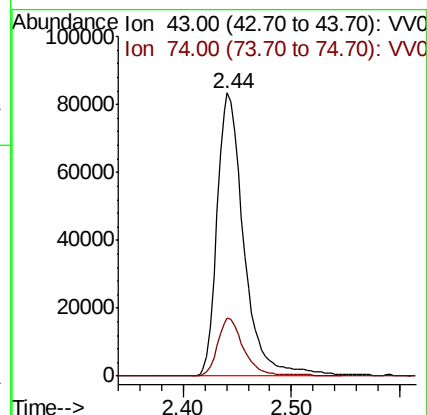
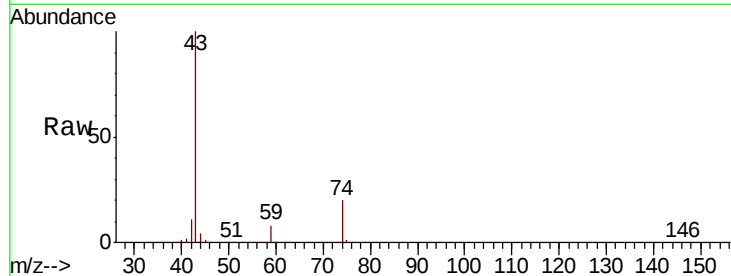
VSTD05080

Tot Ion: 43 Resp: 142162

Ion Ratio Lower Upper

43 100

74 20.1 16.2 24.4



#16

Methylene chloride

Concen: 49.370 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

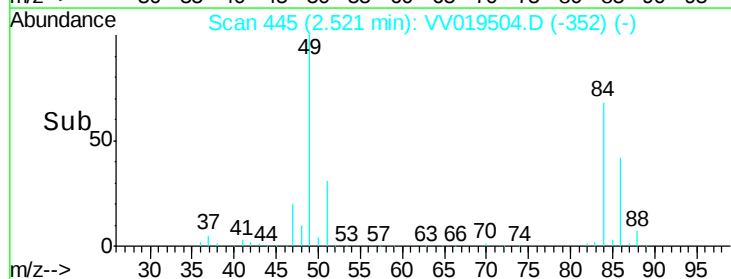
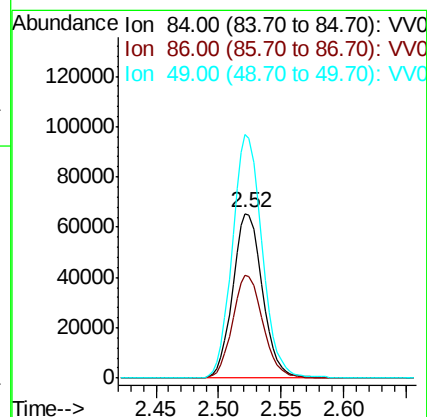
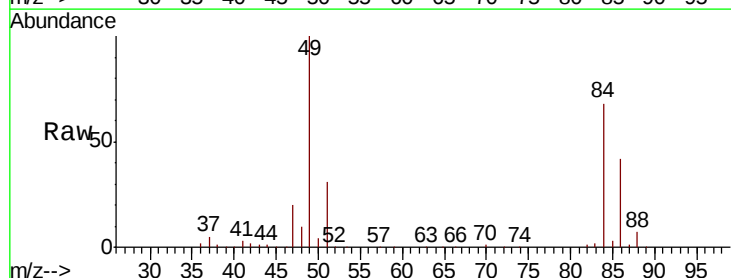
Tgt Ion: 84 Resp: 107949

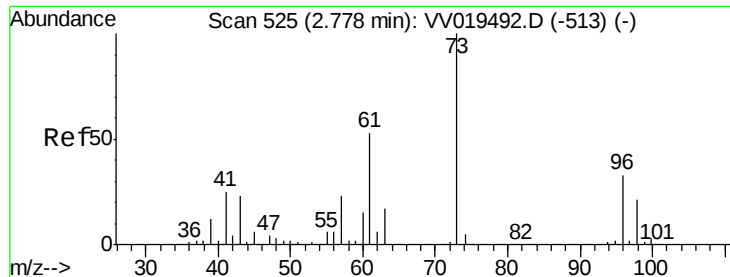
Ion Ratio Lower Upper

84 100

86 62.2 44.4 82.4

49 147.7 100.4 186.4

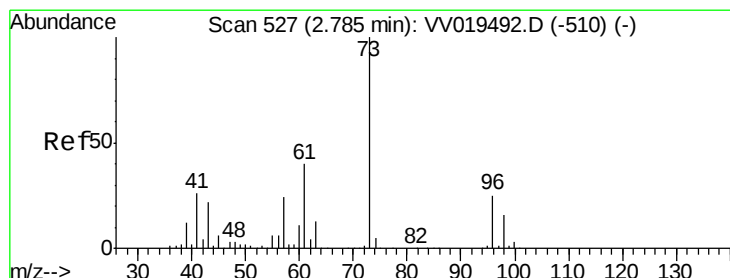
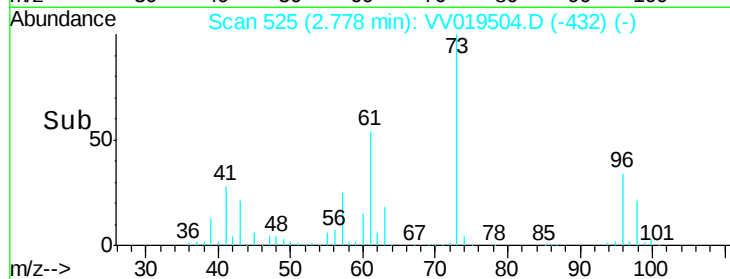
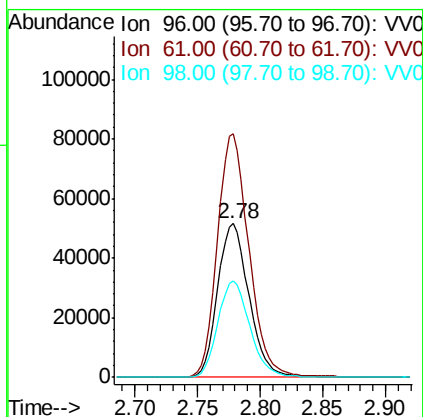
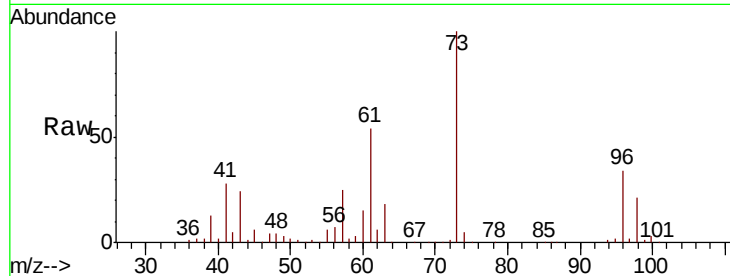




#17
 trans-1,2-Dichloroethene
 Concen: 50.160 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: VV019504.D
 Acq: 07 Dec 2020 09:26 pm

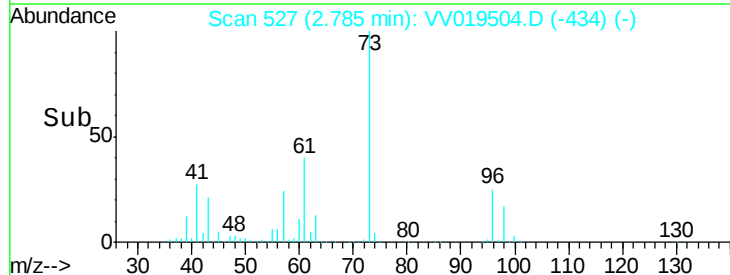
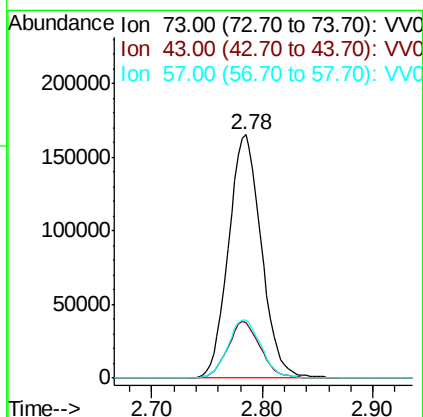
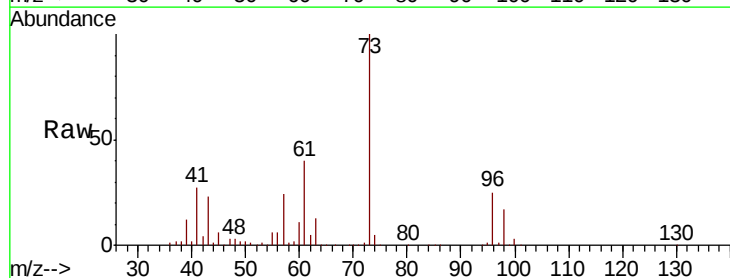
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

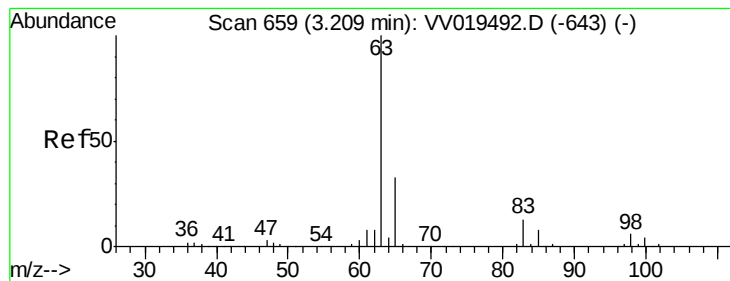
Tot Ion: 96 Resp: 89691
 Ion Ratio Lower Upper
 96 100
 61 158.4 112.5 208.9
 98 62.5 43.4 80.6



#18
 Methyl tert-butyl Ether
 Concen: 51.715 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VV019504.D
 Acq: 07 Dec 2020 09:26 pm

Tgt Ion: 73 Resp: 341566
 Ion Ratio Lower Upper
 73 100
 43 22.8 18.0 27.0
 57 24.3 19.4 29.2





#19

1,1-Dichloroethane

Concen: 51.864 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

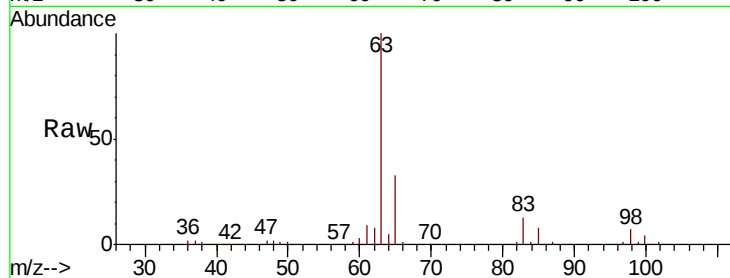
Tot Ion: 63 Resp: 217810

Ion Ratio Lower Upper

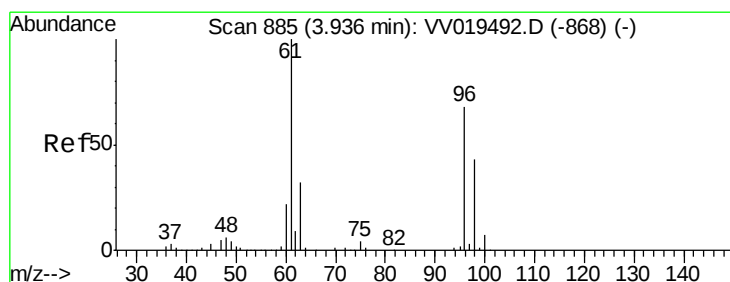
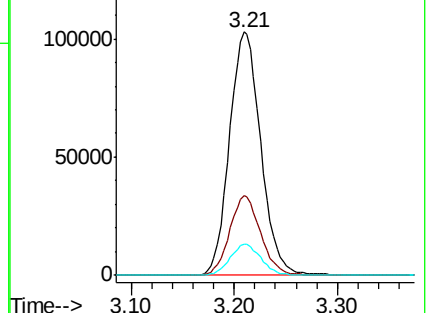
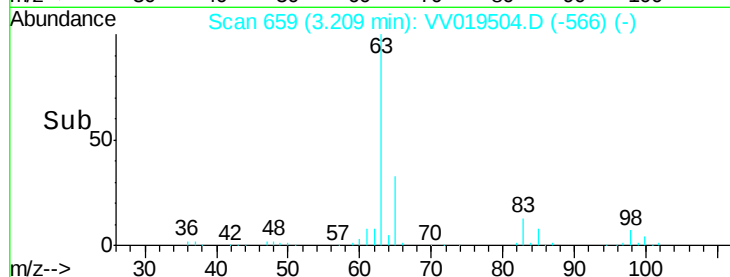
63 100

65 32.8 22.2 41.2

83 12.8 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV019504.D (-566) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.845 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

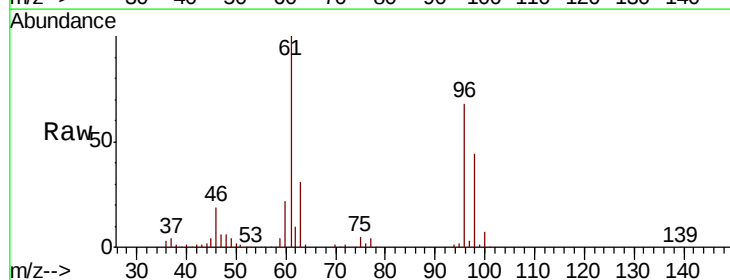
Tgt Ion: 96 Resp: 105834

Ion Ratio Lower Upper

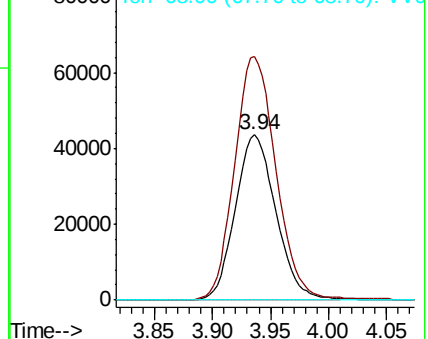
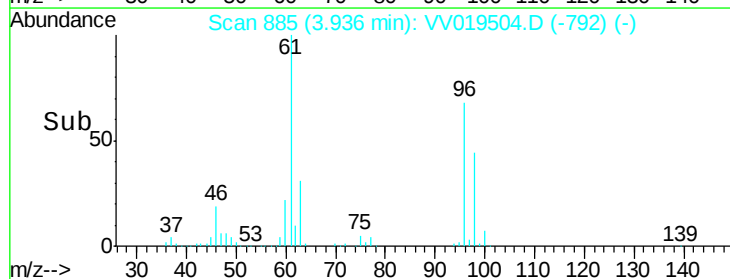
96 100

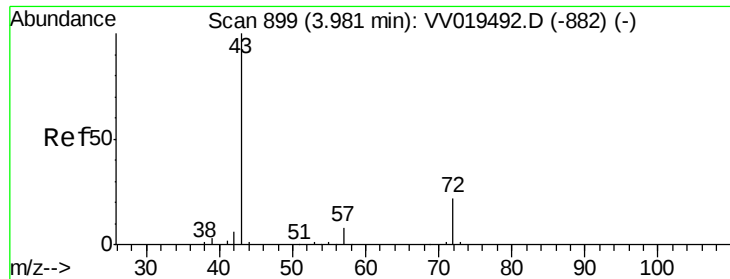
61 147.2 106.2 197.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV019504.D (-792) (-)





#22

2-Butanone

Concen: 95.196 ug/L

RT: 3.98 min Scan# 899

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Instrument :

MSVOA_V

ClientSampleId :

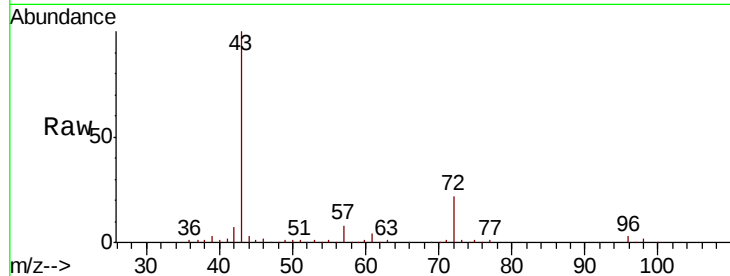
VSTD05080

Tot Ion: 43 Resp: 193977

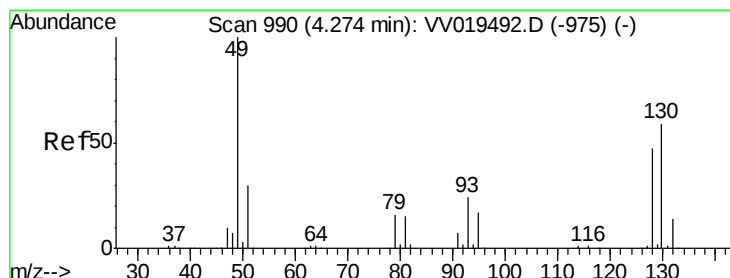
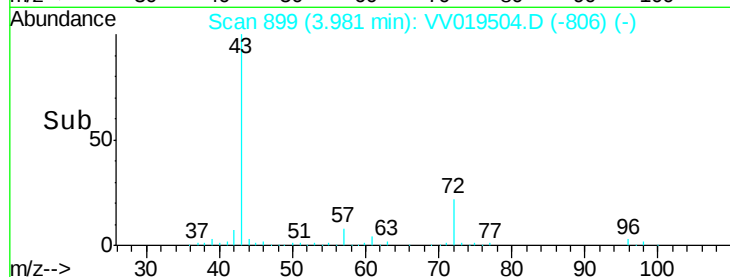
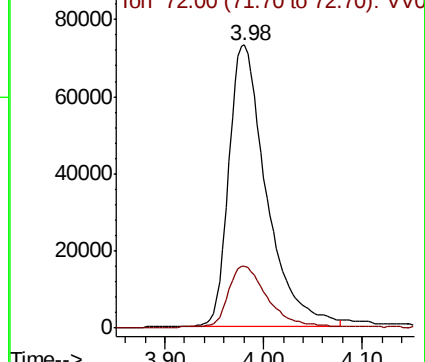
Ion Ratio Lower Upper

43 100

72 22.1 11.5 34.5



Abundance Ion 43.00 (42.70 to 43.70): VV019504.D (-806) (-)



#23

Bromochloromethane

Concen: 50.823 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Tgt Ion: 128 Resp: 52544

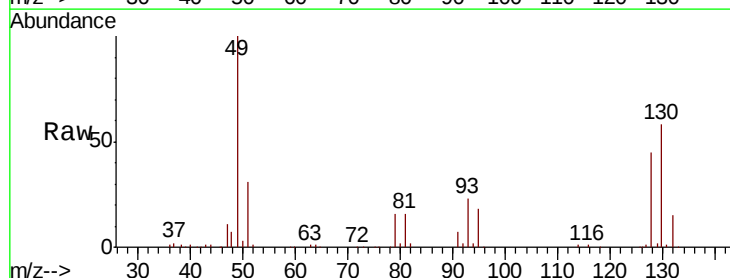
Ion Ratio Lower Upper

128 100

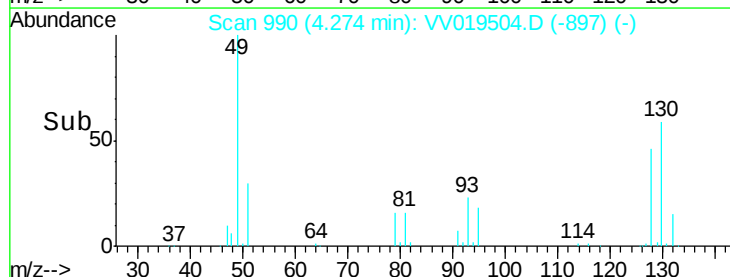
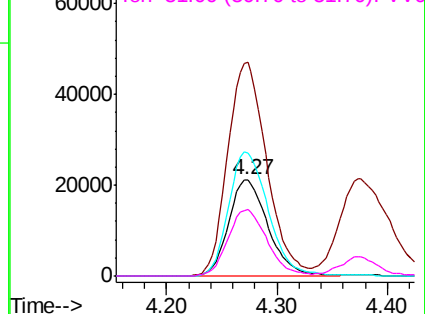
49 222.4 145.7 270.5

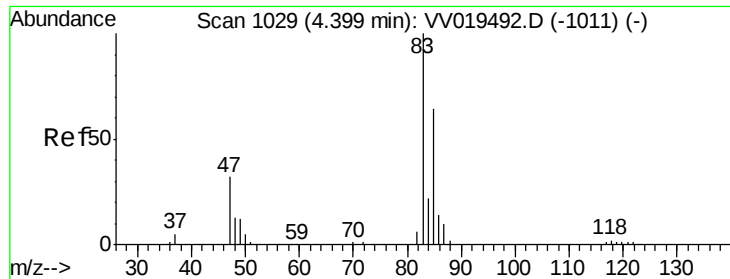
130 128.5 91.3 169.5

51 69.1 53.4 80.2



Abundance Ion 128.00 (127.70 to 128.70): VV019504.D (-897) (-)

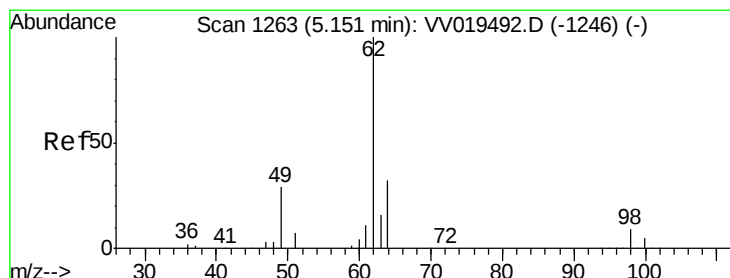
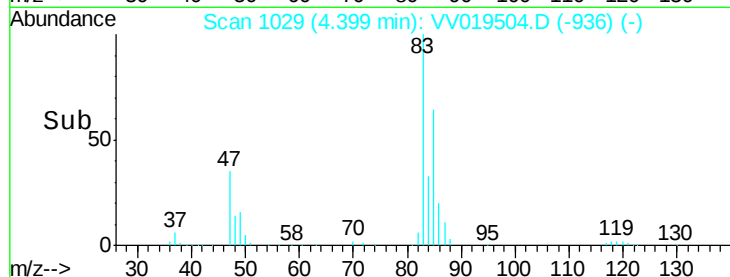
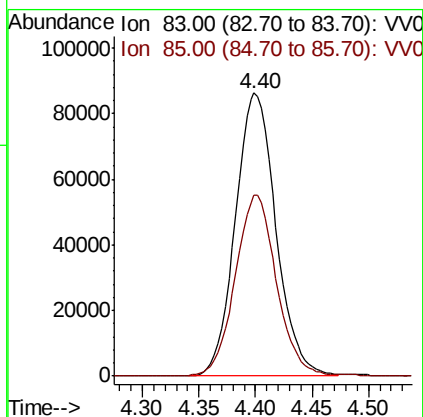
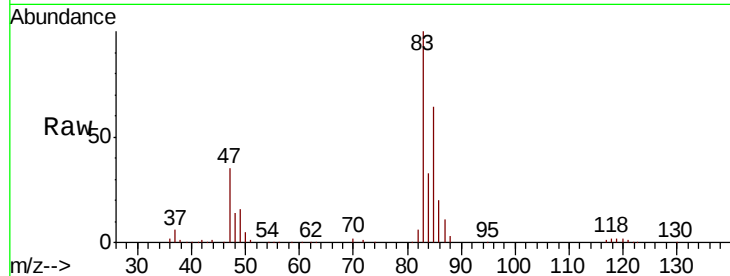




#25
Chloroform
Concen: 52.011 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019504.D
Acq: 07 Dec 2020 09:26 pm

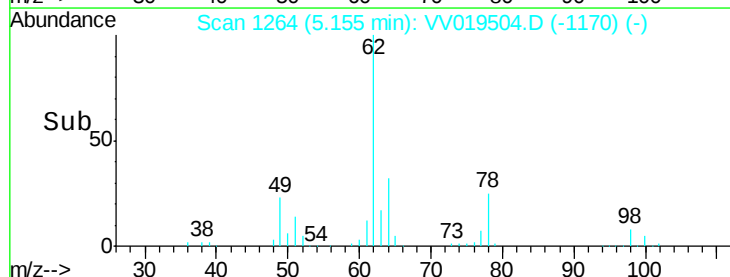
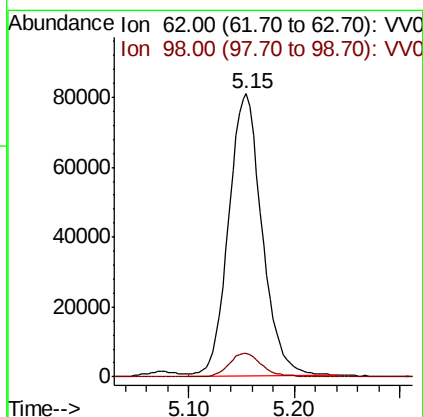
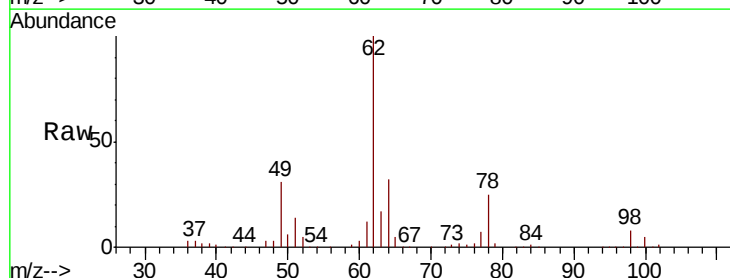
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

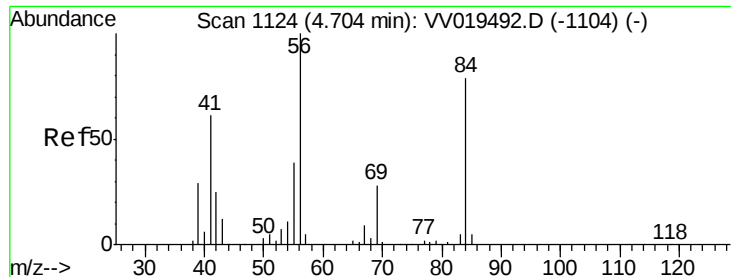
Tot Ion: 83 Resp: 215912
Ion Ratio Lower Upper
83 100
85 63.9 45.4 84.2



#27
1,2-Dichloroethane
Concen: 52.294 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019504.D
Acq: 07 Dec 2020 09:26 pm

Tgt Ion: 62 Resp: 177079
Ion Ratio Lower Upper
62 100
98 8.1 6.4 9.6

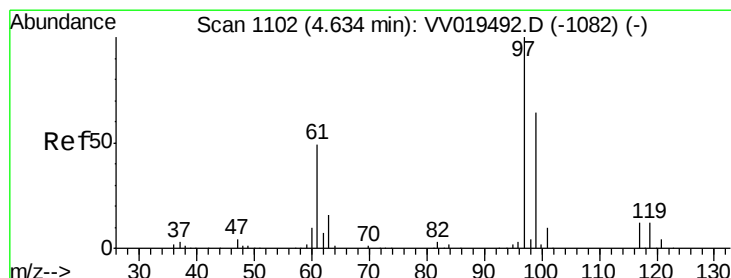
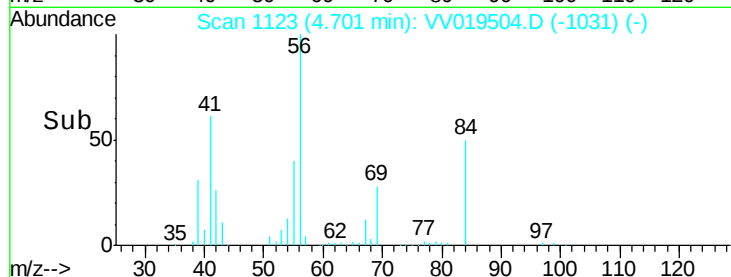
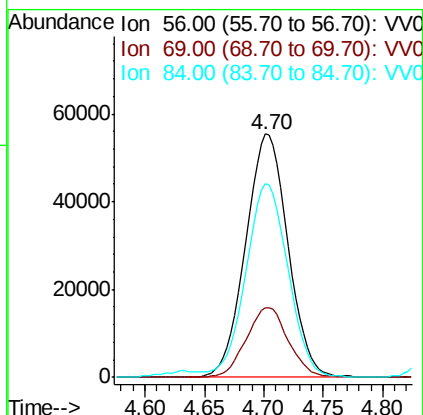
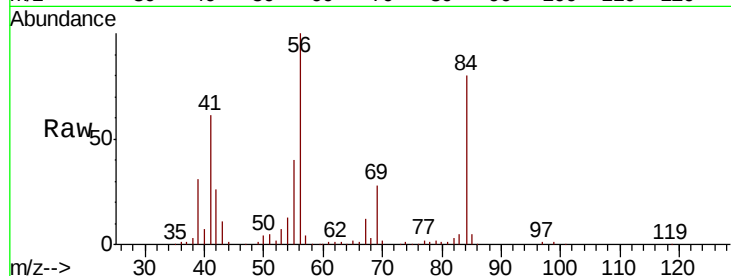




#29
Cvclohexane
Concen: 48.907 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV019504.D
Acq: 07 Dec 2020 09:26 pm

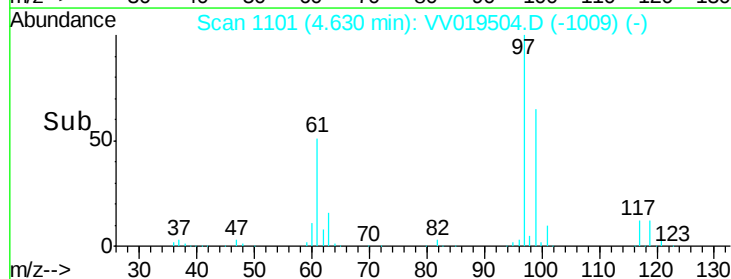
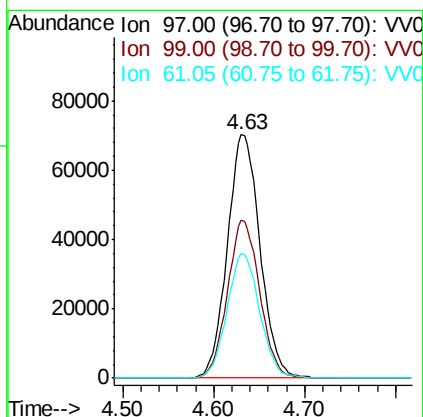
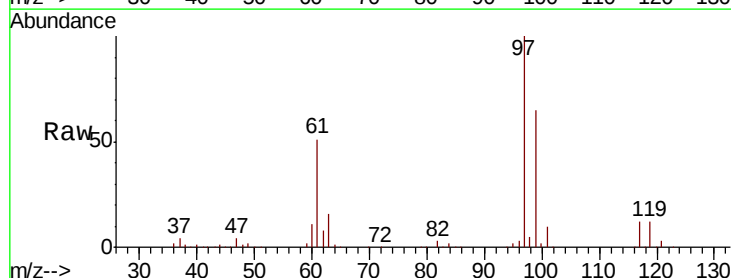
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

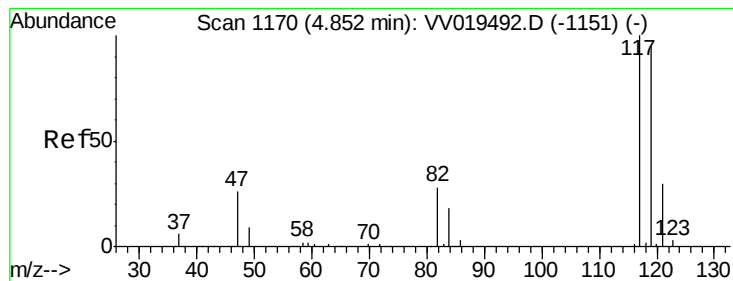
Tot Ion: 56 Resp: 136565
Ion Ratio Lower Upper
56 100
69 28.6 22.6 34.0
84 79.1 61.9 92.9



#30
1,1,1-Trichloroethane
Concen: 53.682 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV019504.D
Acq: 07 Dec 2020 09:26 pm

Tgt Ion: 97 Resp: 175578
Ion Ratio Lower Upper
97 100
99 64.0 51.3 76.9
61 51.3 40.4 60.6





#31

Carbon tetrachloride

Concen: 53.237 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Instrument :

MSVOA_V

ClientSampleId :

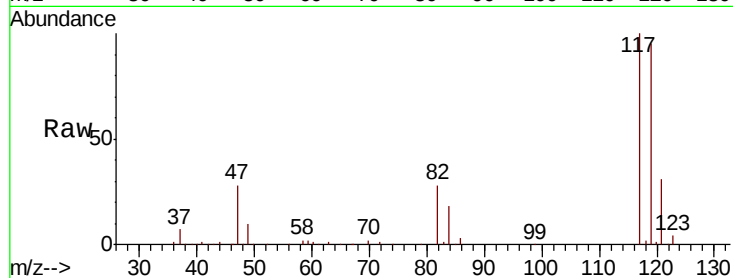
VSTD05080

Tot Ion:117 Resp: 142861

Ion Ratio Lower Upper

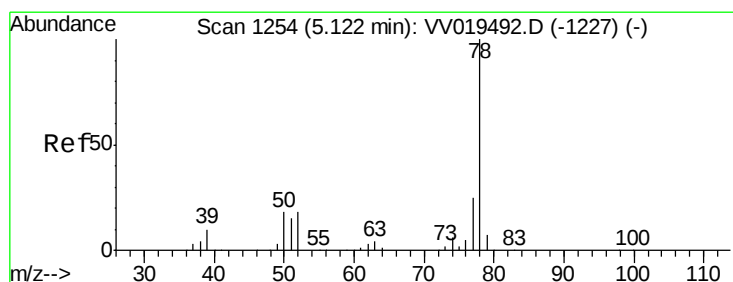
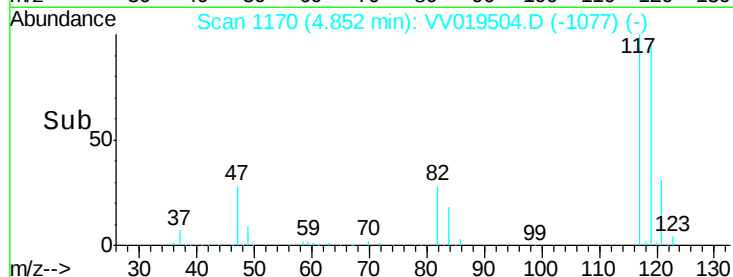
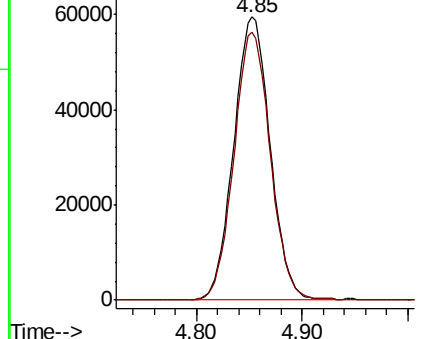
117 100

119 94.3 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 55.534 ug/L

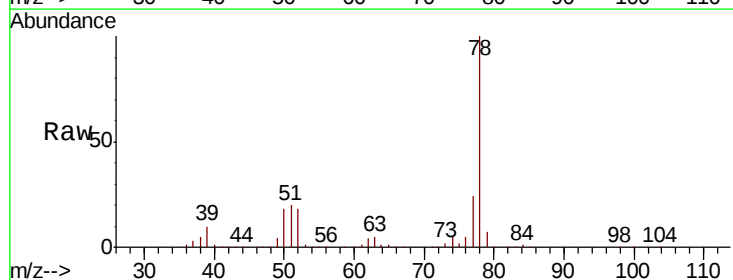
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

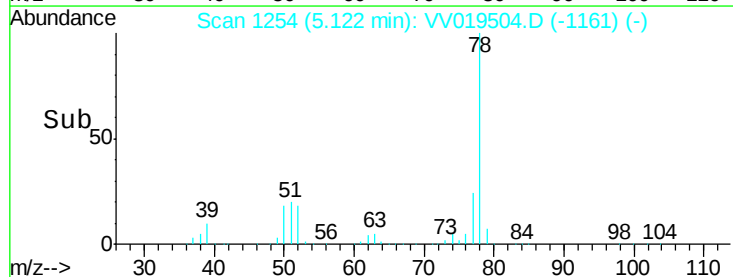
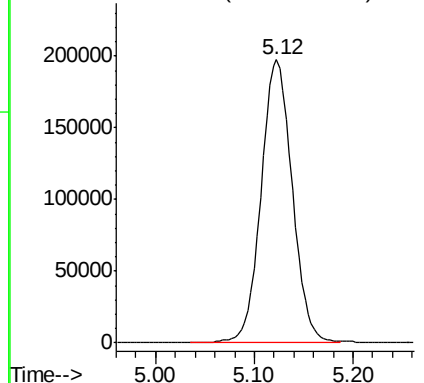
Lab File: VV019504.D

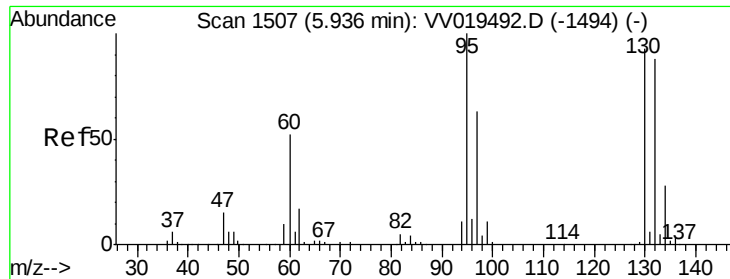
Acq: 07 Dec 2020 09:26 pm

Tgt Ion: 78 Resp: 430128



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 51.147 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

Tot Ion: 95 Resp: 110940

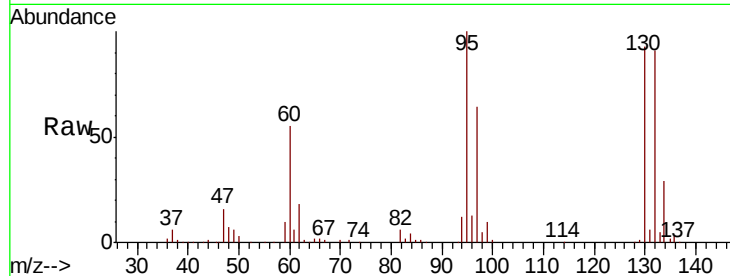
Ion Ratio Lower Upper

95 100

97 63.9 45.5 84.5

132 91.2 62.9 116.9

130 93.3 64.8 120.3

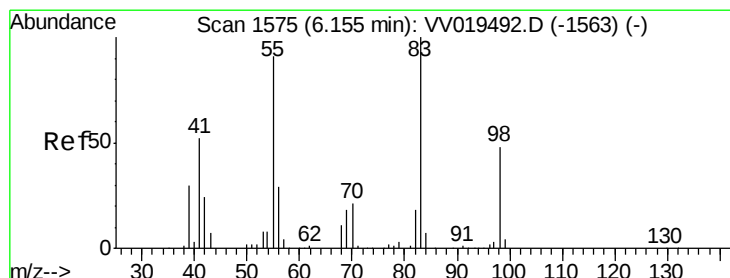
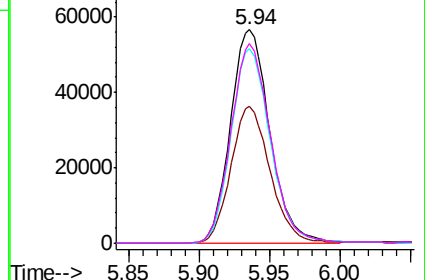
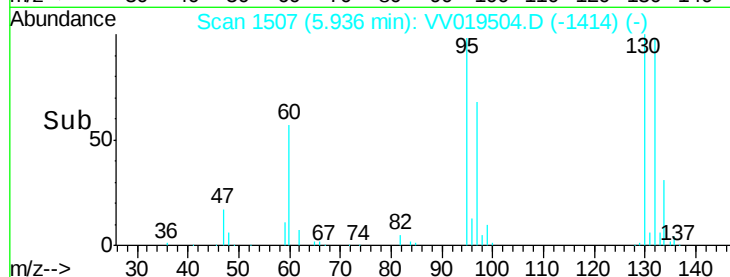


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 45.582 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

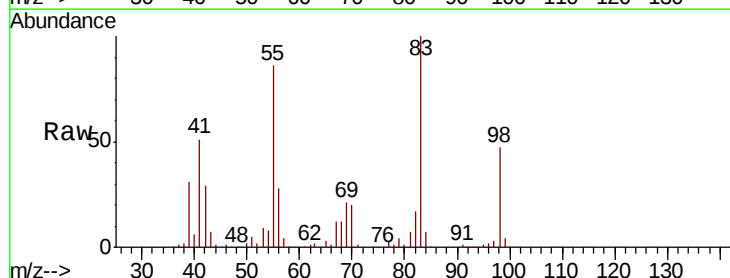
Tgt Ion: 83 Resp: 117285

Ion Ratio Lower Upper

83 100

55 88.8 69.8 104.8

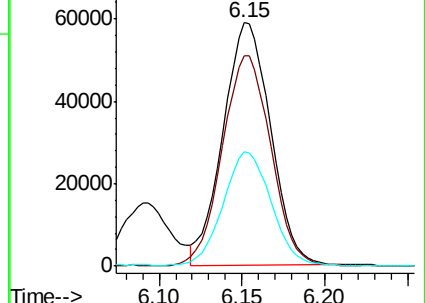
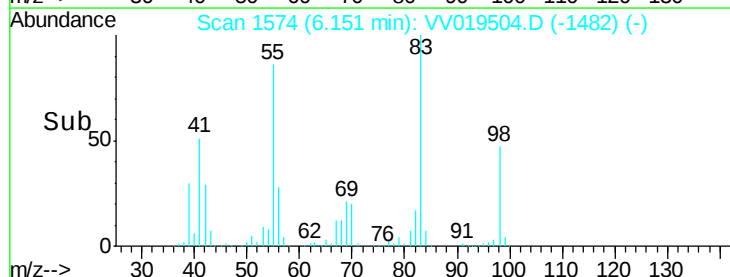
98 48.3 37.0 55.6

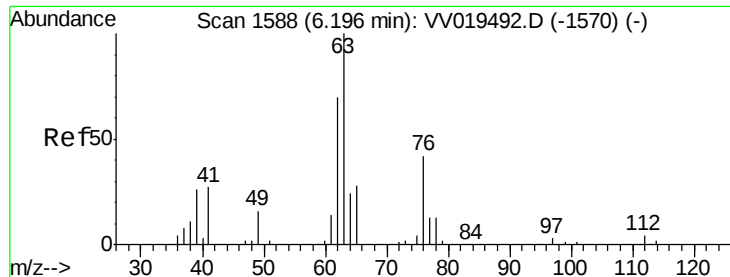


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

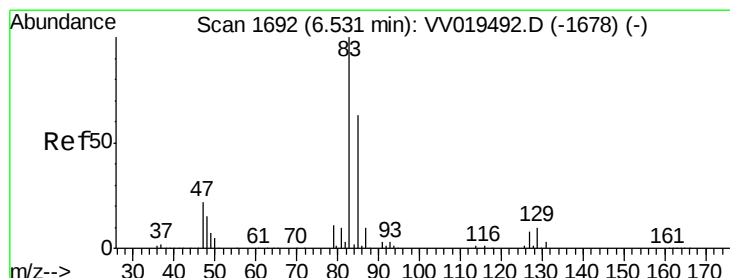
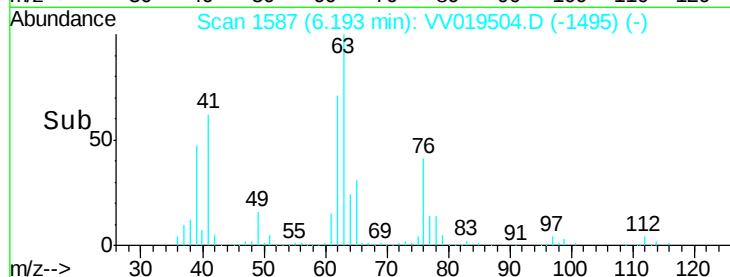
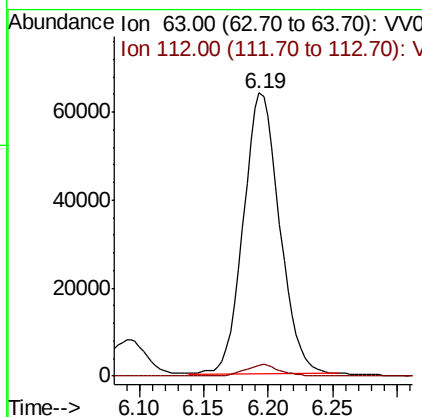
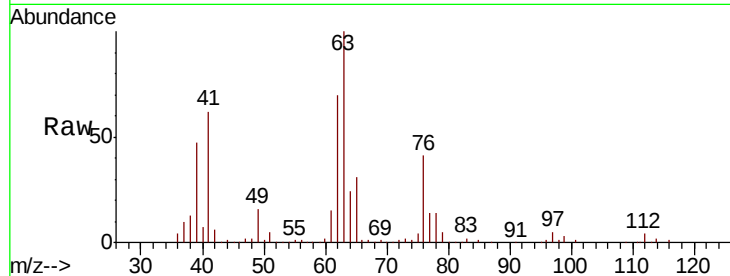




#37
 1,2-Dichloropropane
 Concen: 54.380 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV019504.D
 Acq: 07 Dec 2020 09:26 pm

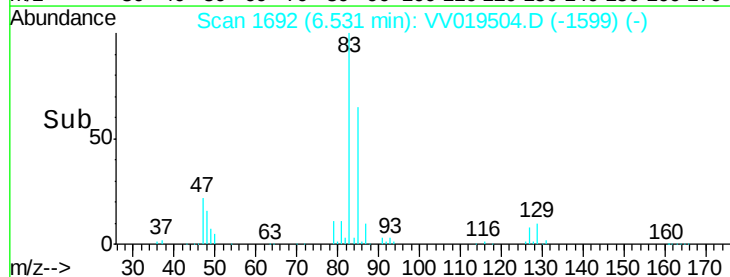
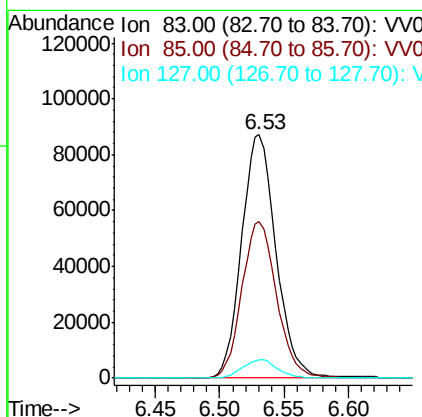
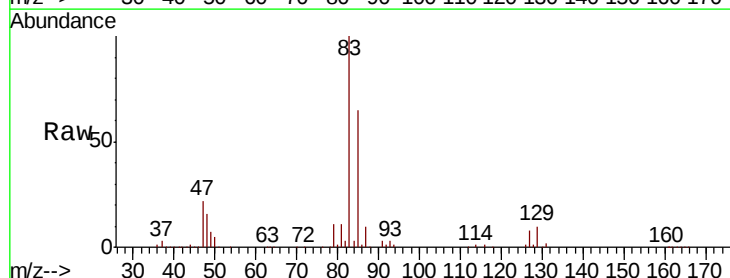
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

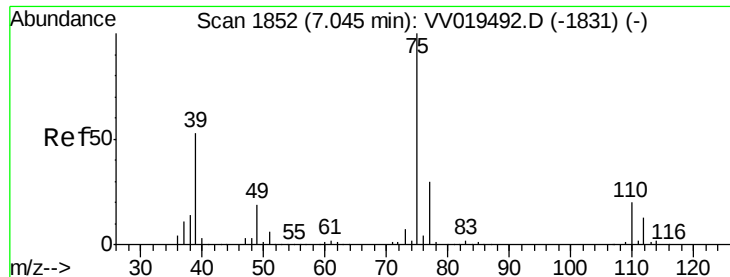
Tot Ion: 63 Resp: 125387
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#38
 Bromodichloromethane
 Concen: 54.420 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV019504.D
 Acq: 07 Dec 2020 09:26 pm

Tgt Ion: 83 Resp: 161861
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.5 84.5
 127 7.7 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 55.476 ug/L

RT: 7.05 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

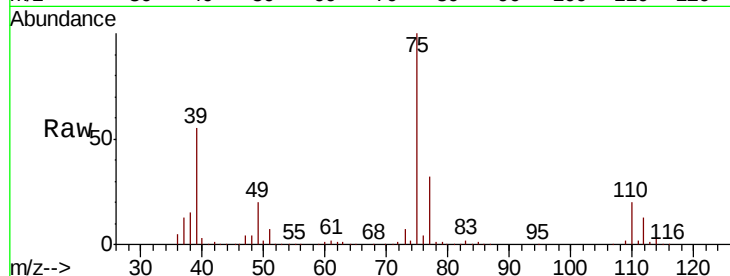
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tot Ion: 75 Resp: 179647

Ion Ratio Lower Upper

75 100

77 31.5 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VV019492.D (-1831) (-)

Ion 77.00 (76.70 to 77.70): VV019492.D (-1831) (-)

7.05

100000

80000

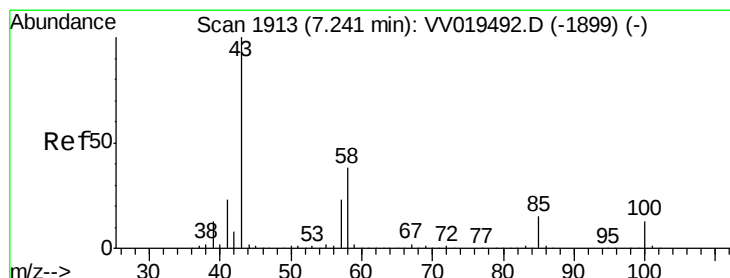
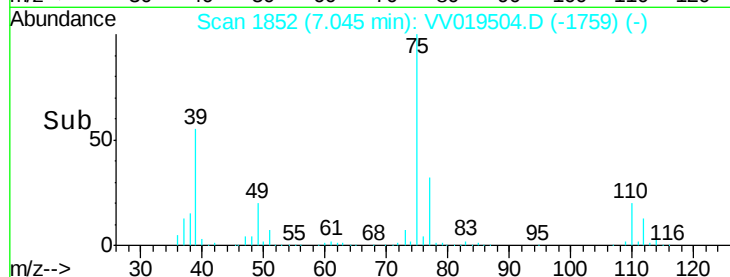
60000

40000

20000

0

Time--> 6.90 7.00 7.10



#40

4-Methyl-2-pentanone

Concen: 114.198 ug/L

RT: 7.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

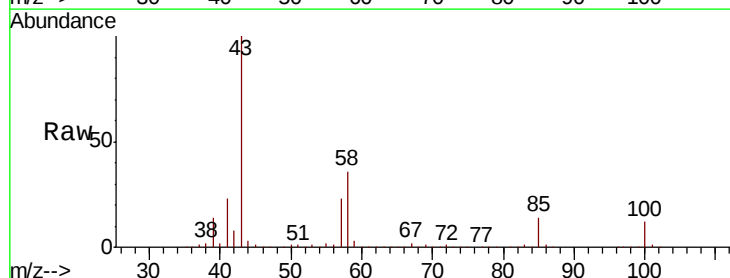
Tgt Ion: 43 Resp: 390517

Ion Ratio Lower Upper

43 100

58 36.7 29.5 44.3

100 12.4 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VV019492.D (-1899) (-)

Ion 58.00 (57.70 to 58.70): VV019492.D (-1899) (-)

Ion 100.00 (99.70 to 100.70): VV019492.D (-1899) (-)

7.24

300000

250000

200000

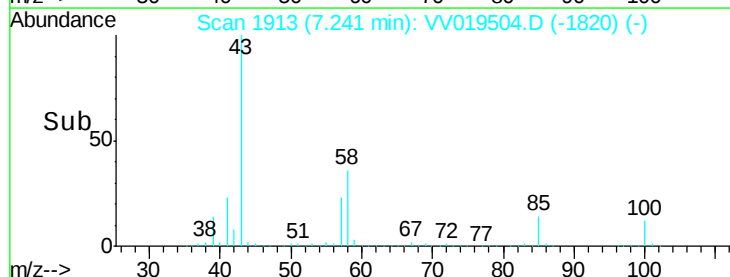
150000

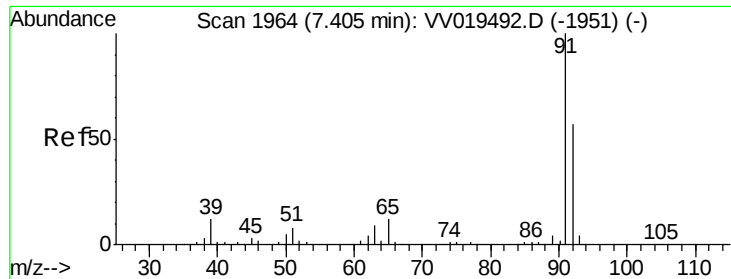
100000

50000

0

Time--> 7.15 7.20 7.25 7.30 7.35





#42

Toluene

Concen: 52.911 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

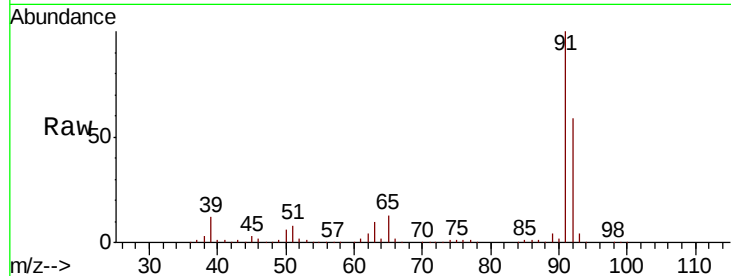
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tot Ion: 91 Resp: 411858

Ion Ratio Lower Upper

91 100

92 58.6 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VV019492.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV019492.D (-1951) (-)

7.41

250000

200000

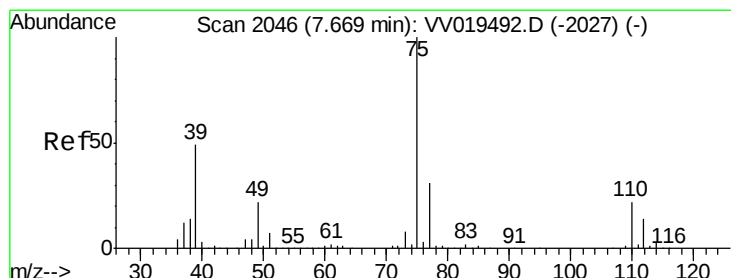
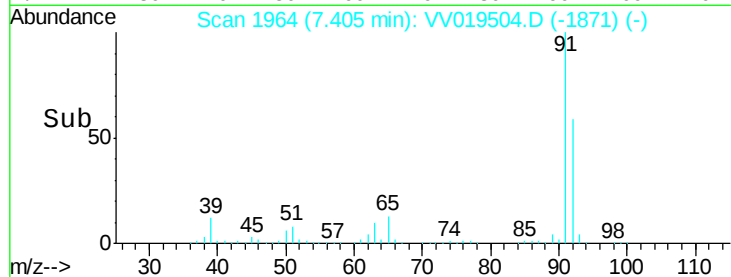
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.596 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV019504.D

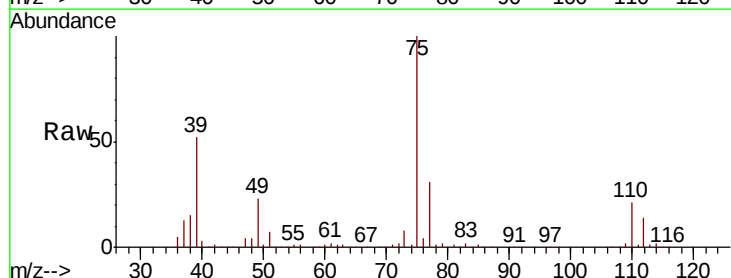
Acq: 07 Dec 2020 09:26 pm

Tgt Ion: 75 Resp: 172756

Ion Ratio Lower Upper

75 100

77 31.3 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV019492.D (-2027) (-)

Ion 77.00 (76.70 to 77.70): VV019492.D (-2027) (-)

7.67

120000

100000

80000

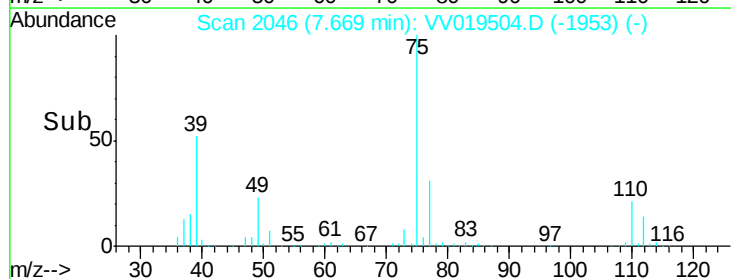
60000

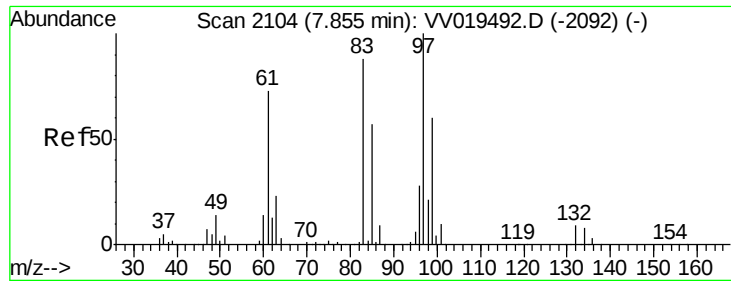
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 51.392 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tot Ion: 97 Resp: 106163

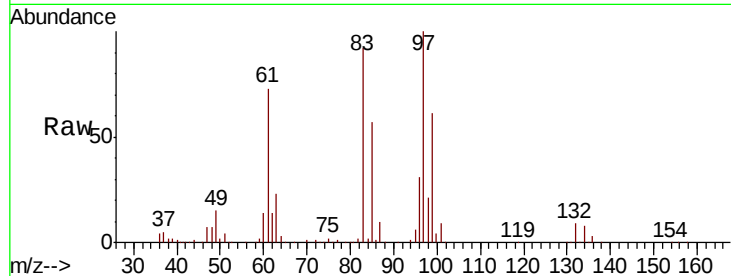
Ion Ratio Lower Upper

97 100

99 61.5 43.1 80.1

83 91.9 61.7 114.7

85 57.3 40.2 74.6



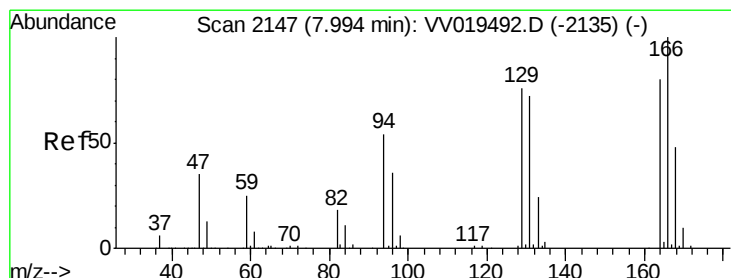
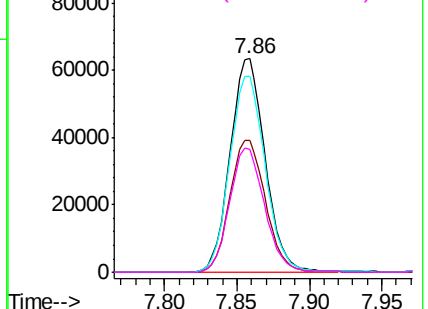
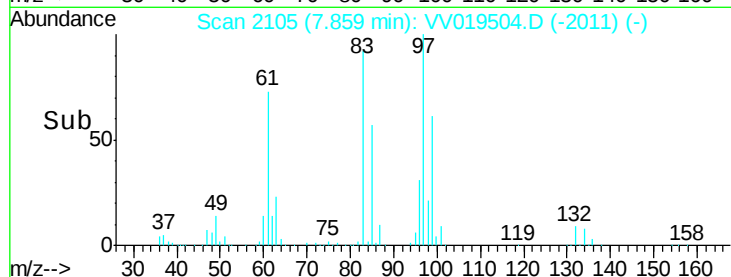
Abundance

Ion 97.00 (96.70 to 97.70): VV019504.D (-2011) (-)

Ion 99.00 (98.70 to 99.70): VV019504.D (-2011) (-)

Ion 83.00 (82.70 to 83.70): VV019504.D (-2011) (-)

Ion 85.00 (84.70 to 85.70): VV019504.D (-2011) (-)



#46

Tetrachloroethene

Concen: 50.048 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Tgt Ion: 164 Resp: 65394

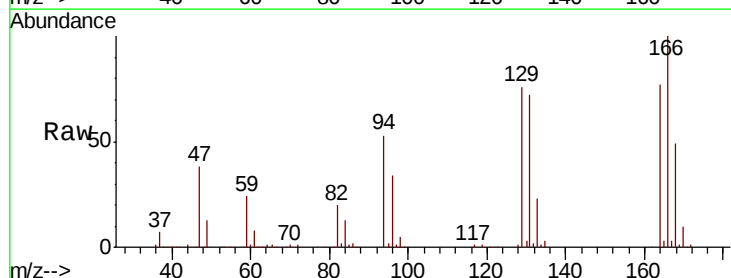
Ion Ratio Lower Upper

164 100

129 97.6 68.4 127.0

131 92.6 65.6 121.8

166 129.3 86.4 160.4



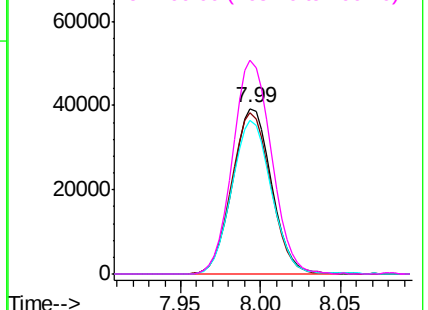
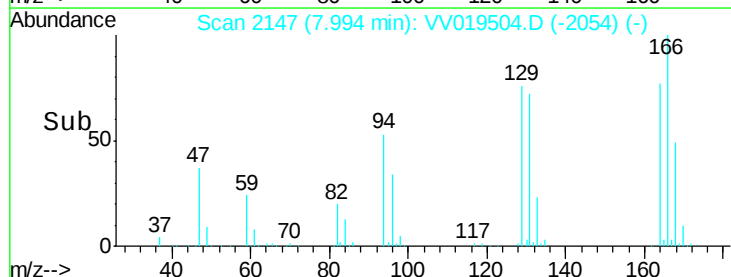
Abundance

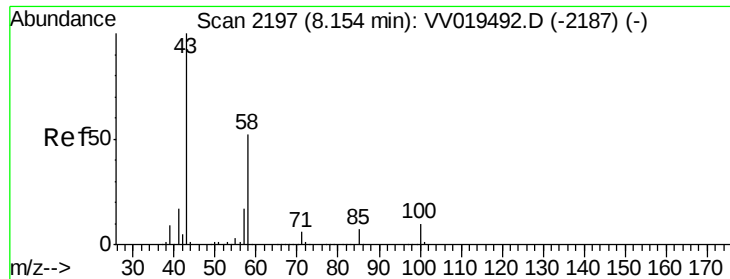
Ion 164.00 (163.70 to 164.70): VV019504.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV019504.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV019504.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV019504.D (-2054) (-)

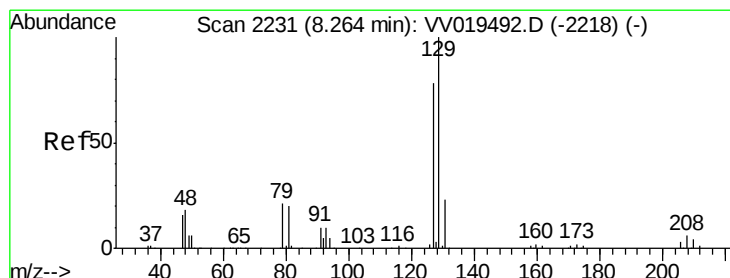
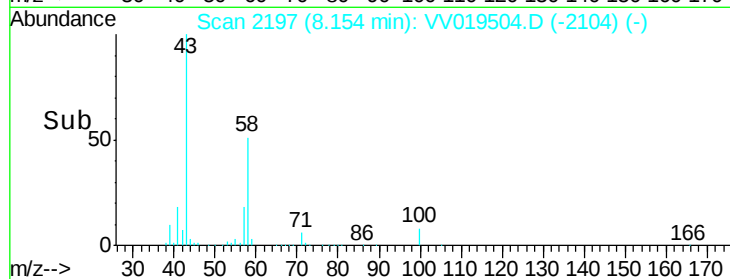
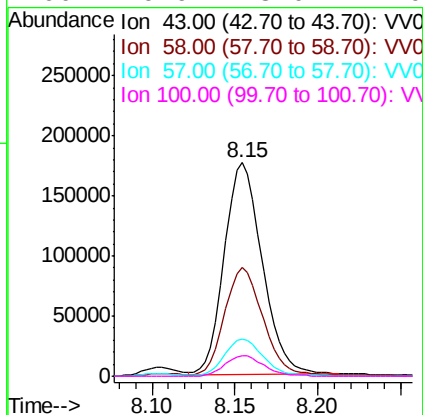
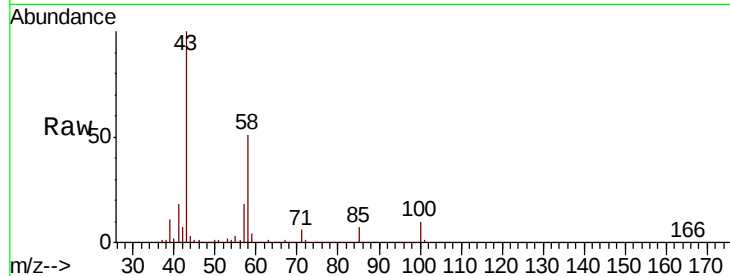




#48
2-Hexanone
Concen: 101.704 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV019504.D
Acq: 07 Dec 2020 09:26 pm

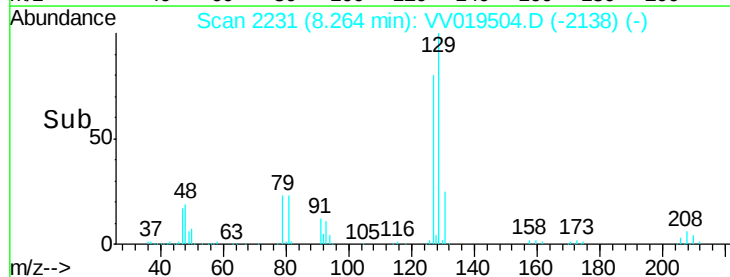
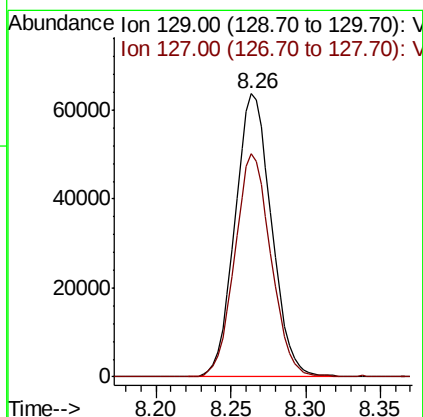
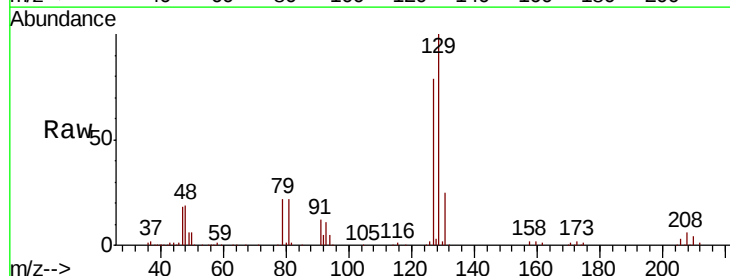
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

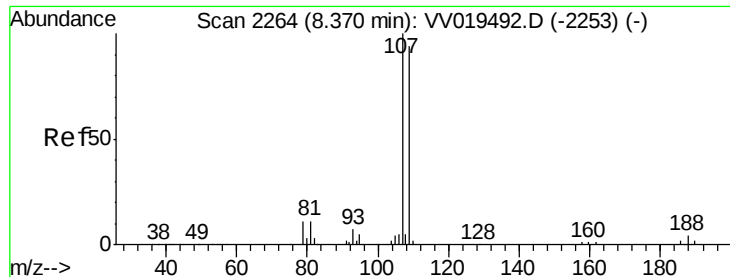
Tot Ion: 43 Resp: 279610
Ion Ratio Lower Upper
43 100
58 52.0 41.0 61.6
57 18.0 14.2 21.2
100 9.9 8.0 12.0



#49
Dibromochloromethane
Concen: 50.542 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV019504.D
Acq: 07 Dec 2020 09:26 pm

Tgt Ion: 129 Resp: 108165
Ion Ratio Lower Upper
129 100
127 78.7 54.3 100.9

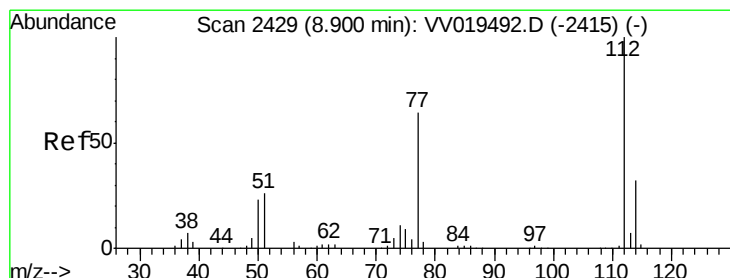
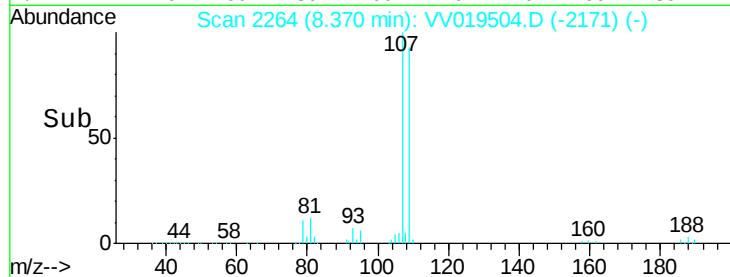
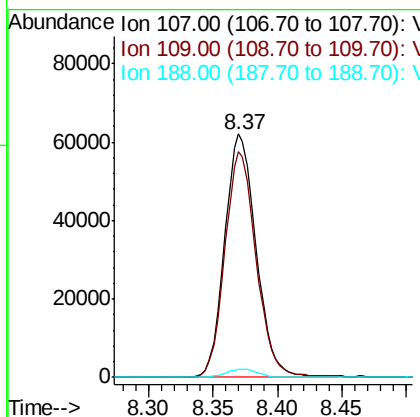
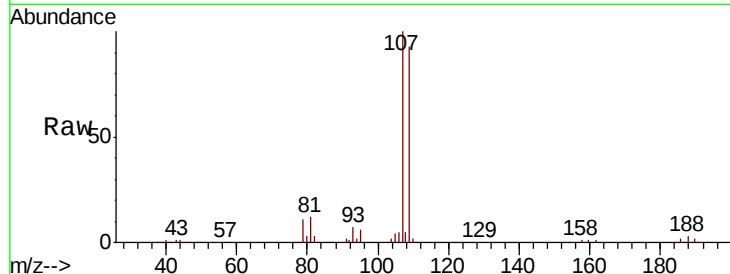




#50
 1,2-Dibromoethane
 Concen: 51.566 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV019504.D
 Acq: 07 Dec 2020 09:26 pm

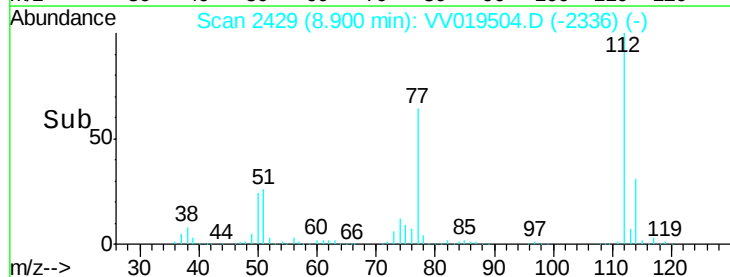
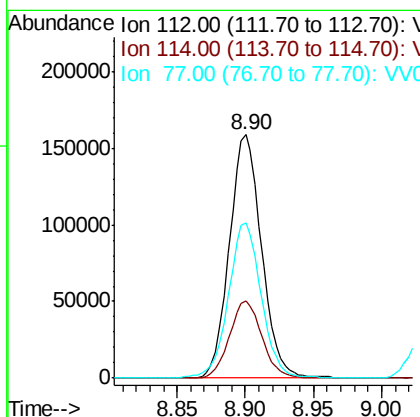
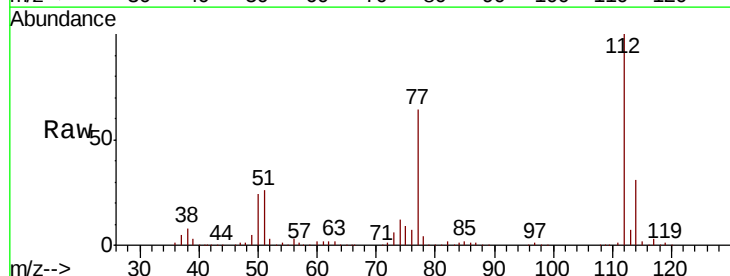
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

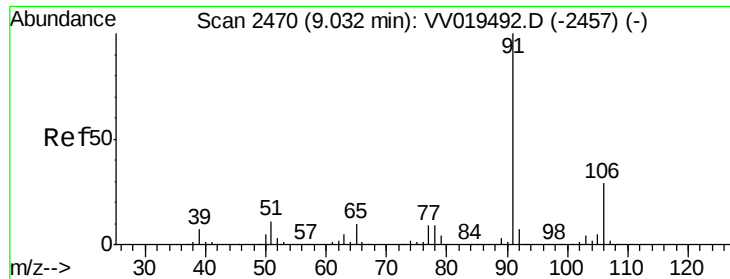
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	65.1	120.9
188	3.4	2.6	4.0



#51
 Chlorobenzene
 Concen: 51.365 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV019504.D
 Acq: 07 Dec 2020 09:26 pm

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.4	41.6
77	63.6	51.6	77.4





#52

Ethylbenzene

Concen: 52.737 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Instrument :

MSVOA_V

ClientSampleId :

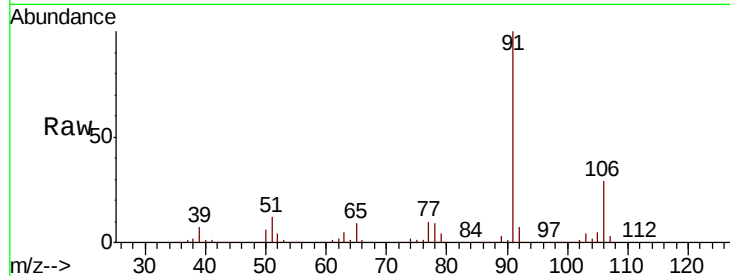
VSTD05080

Tot Ion: 91 Resp: 446538

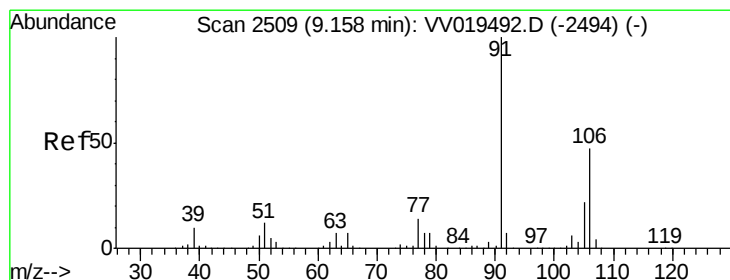
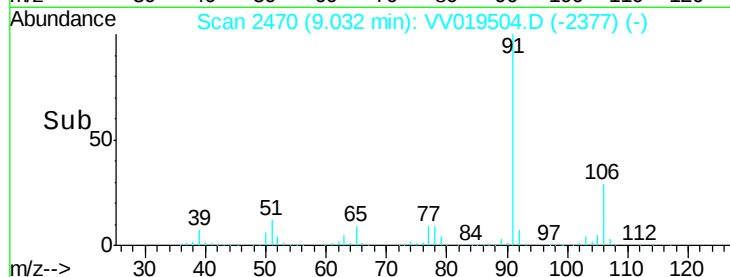
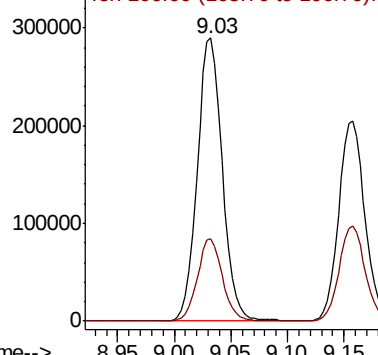
Ion Ratio Lower Upper

91 100

106 29.1 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VV019492.D (-2457) (-)



#53

m,p-Xylene

Concen: 51.714 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019504.D

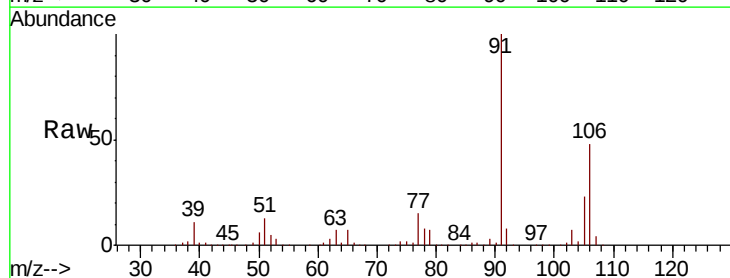
Acq: 07 Dec 2020 09:26 pm

Tgt Ion: 106 Resp: 155435

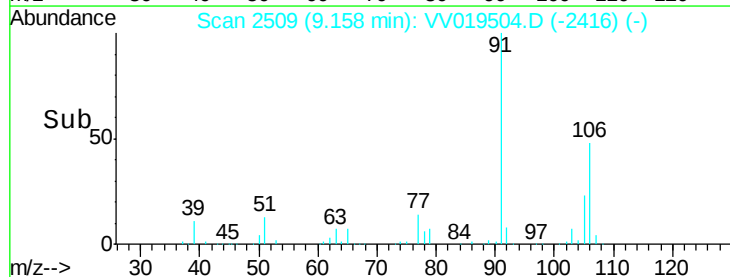
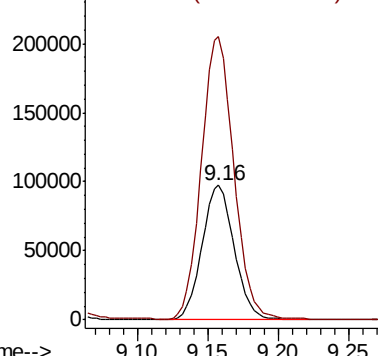
Ion Ratio Lower Upper

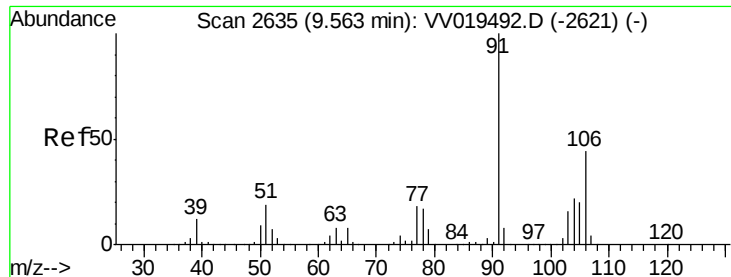
106 100

91 210.0 151.7 281.7



Abundance Ion 106.00 (105.70 to 106.70): VV019492.D (-2494) (-)





#54

o-xylene

Concen: 52.401 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Instrument :

MSVOA_V

ClientSampleId :

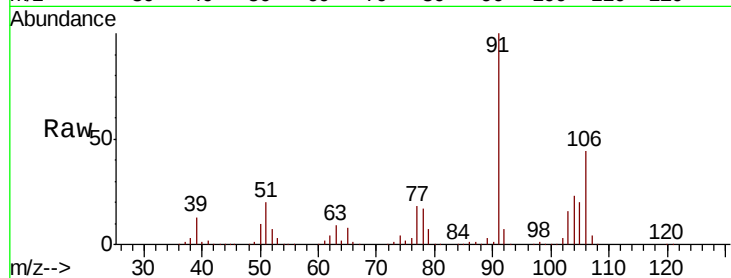
VSTD05080

Tot Ion:106 Resp: 152751

Ion Ratio Lower Upper

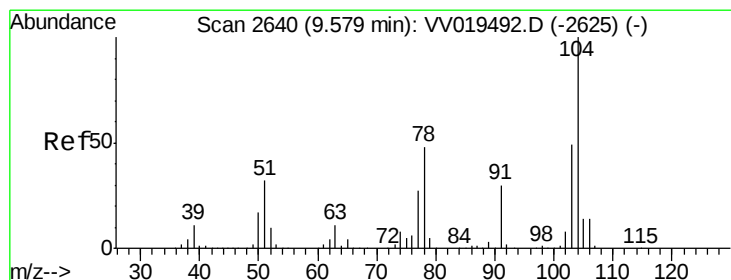
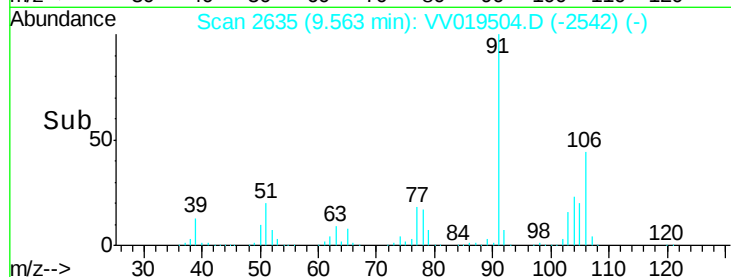
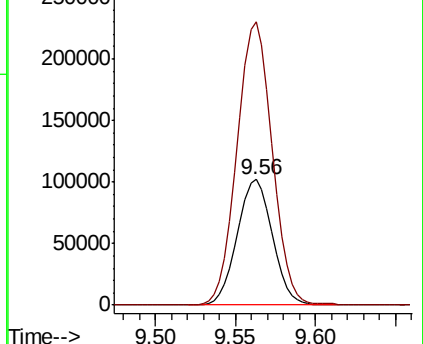
106 100

91 225.8 158.1 293.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.390 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV019504.D

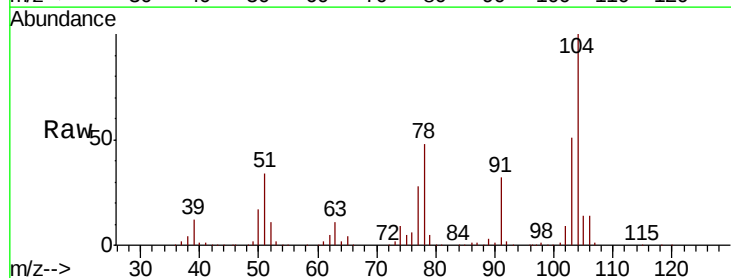
Acq: 07 Dec 2020 09:26 pm

Tgt Ion:104 Resp: 278866

Ion Ratio Lower Upper

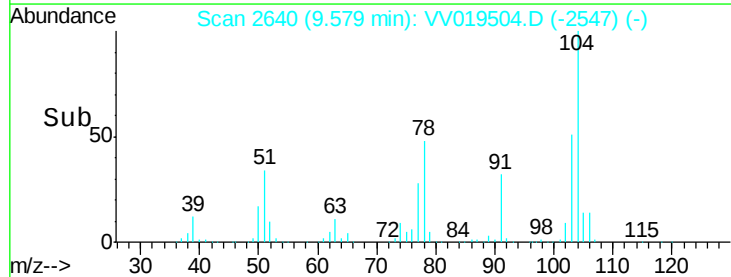
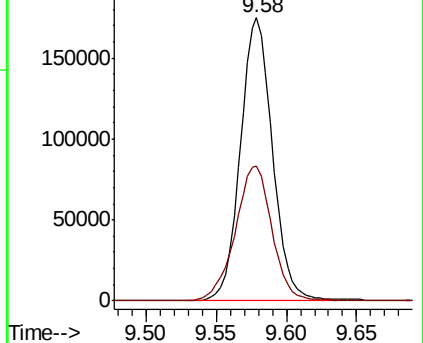
104 100

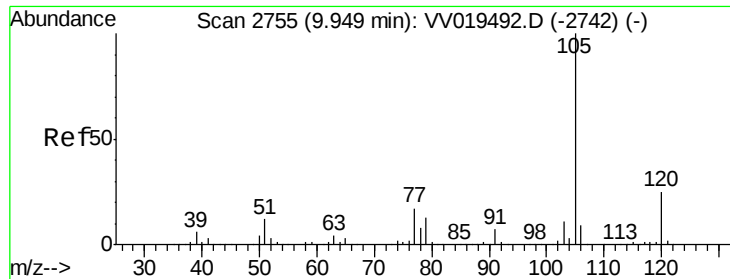
78 47.6 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.462 ug/L

RT: 9.95 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

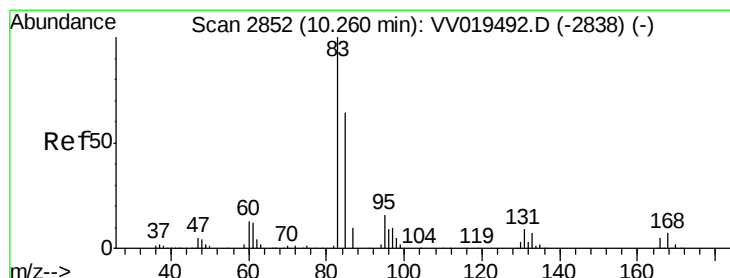
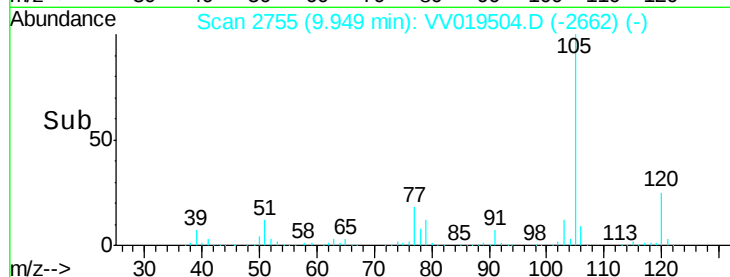
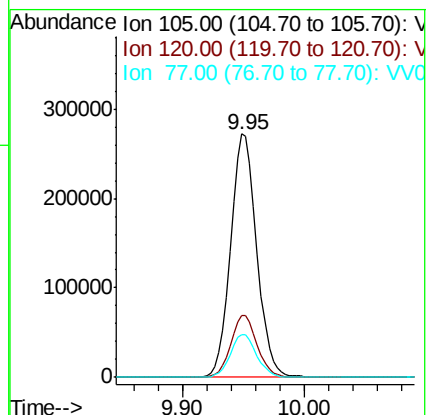
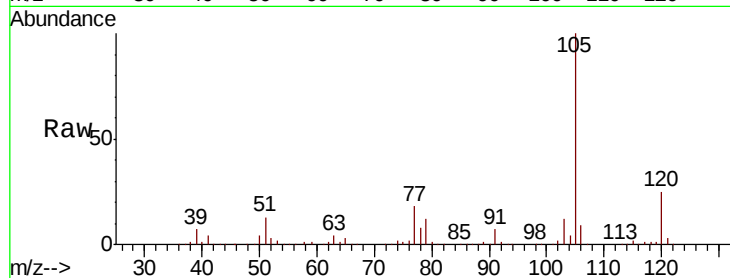
Tot Ion:105 Resp: 407155

Ion Ratio Lower Upper

105 100

120 25.6 20.2 30.4

77 17.8 14.1 21.1



#58

1,1,2,2-Tetrachloroethane

Concen: 53.200 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

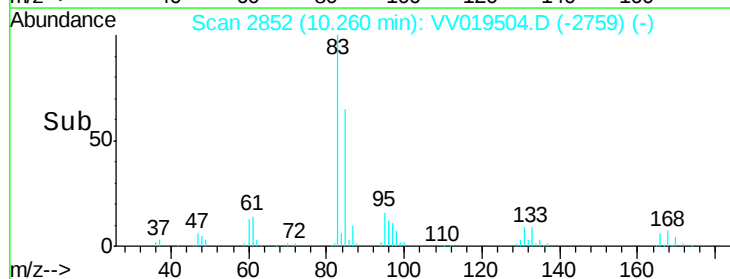
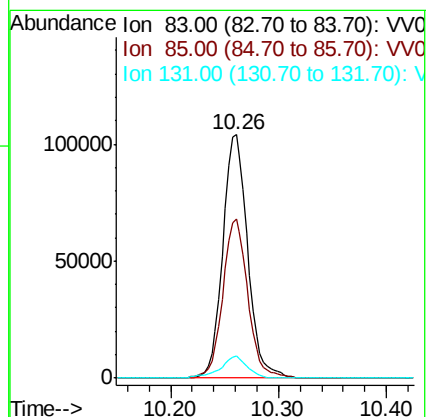
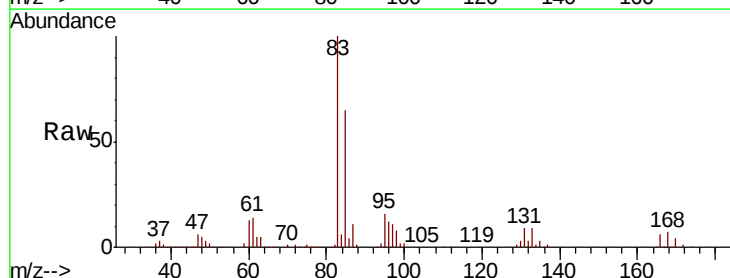
Tgt Ion: 83 Resp: 166956

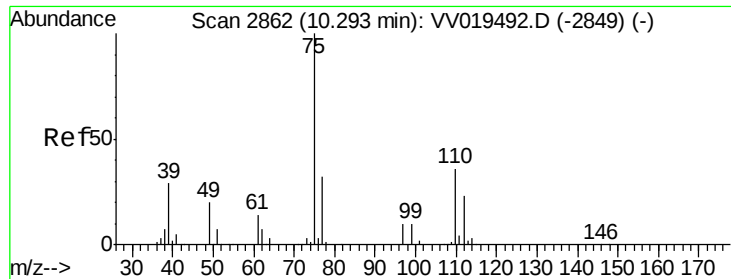
Ion Ratio Lower Upper

83 100

85 65.1 43.3 80.3

131 8.9 7.0 10.4





#59

1,2,3-Trichloropropane

Concen: 51.000 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Instrument :

MSVOA_V

ClientSampleId :

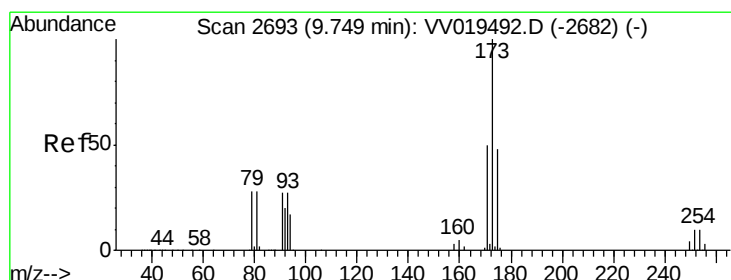
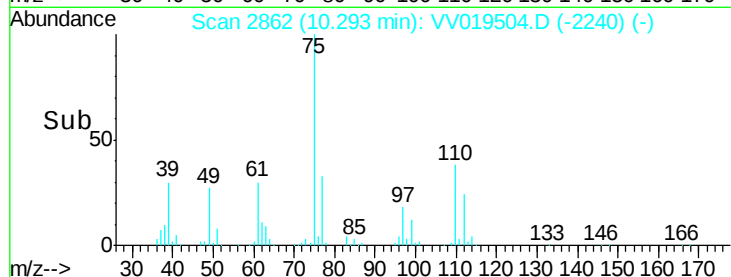
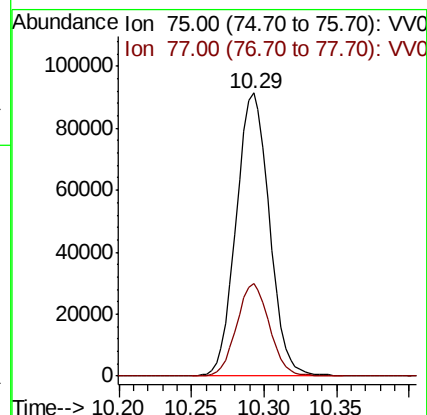
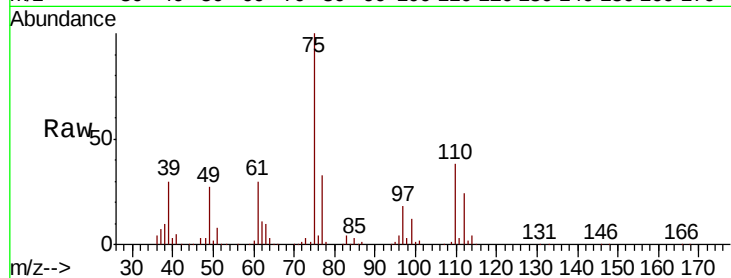
VSTD05080

Tot Ion: 75 Resp: 145719

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3



#61

Bromoform

Concen: 51.878 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

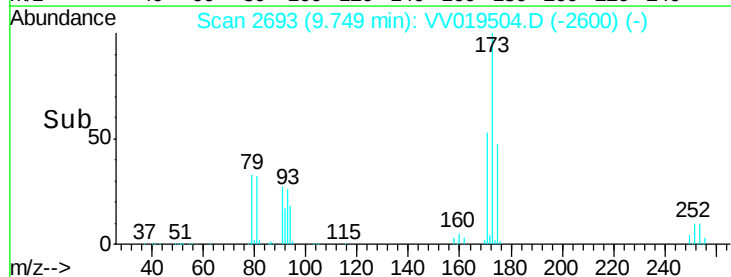
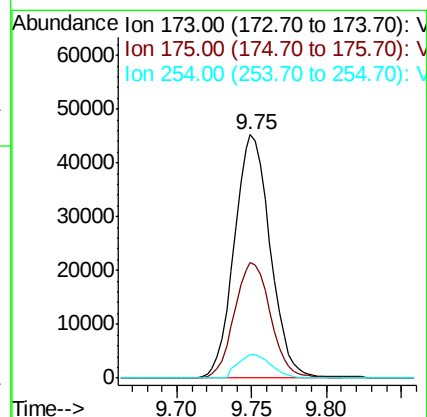
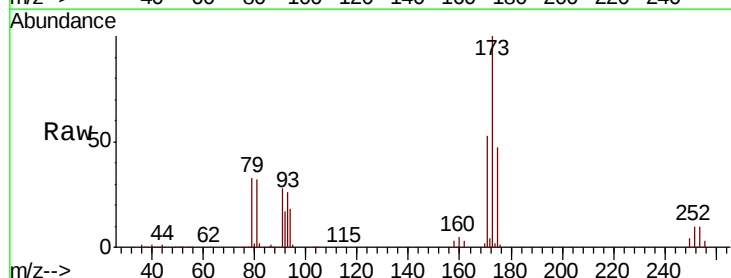
Tgt Ion: 173 Resp: 75715

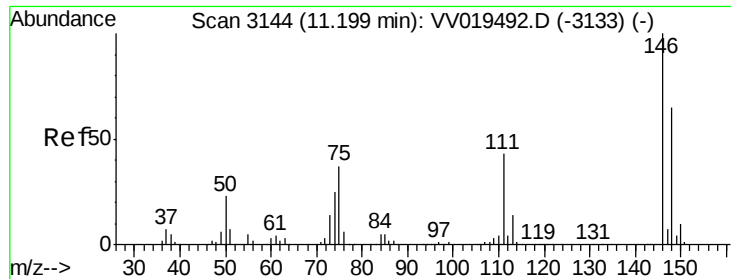
Ion Ratio Lower Upper

173 100

175 47.8 37.8 56.6

254 8.9 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 51.075 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

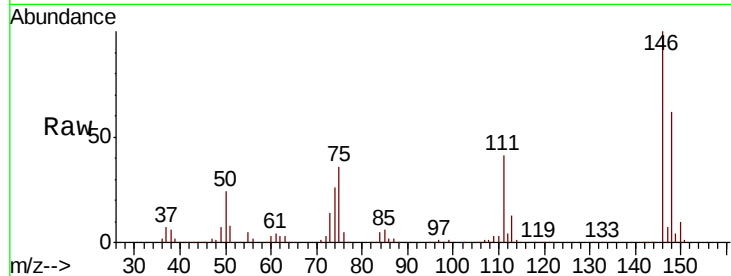
Tot Ion:146 Resp: 190639

Ion Ratio Lower Upper

146 100

111 40.5 29.6 55.0

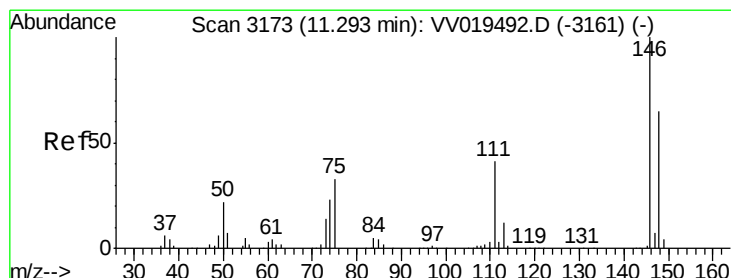
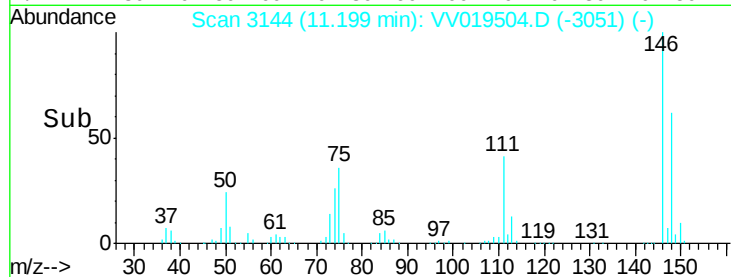
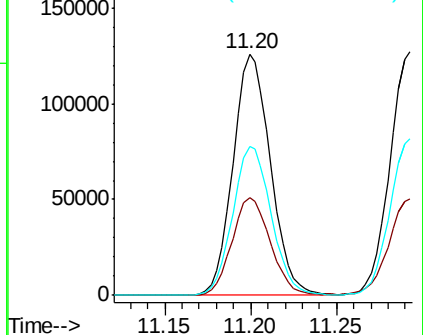
148 61.8 44.6 82.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.785 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

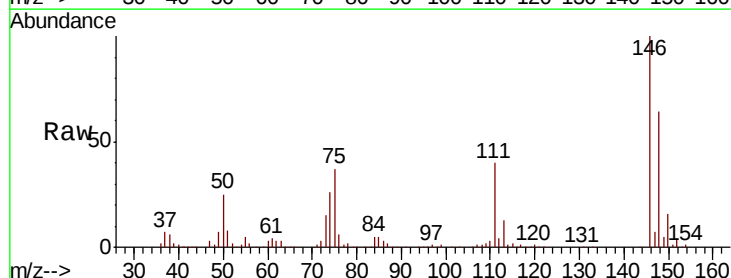
Tgt Ion:146 Resp: 195052

Ion Ratio Lower Upper

146 100

111 39.8 27.6 51.2

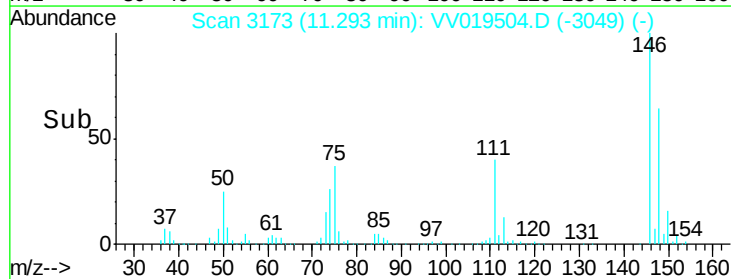
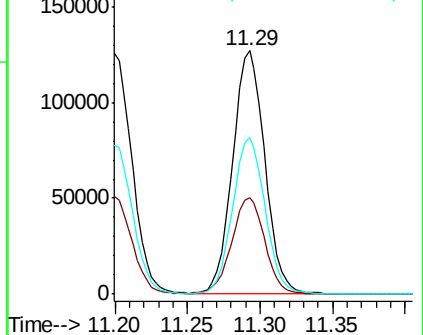
148 64.3 43.7 81.1

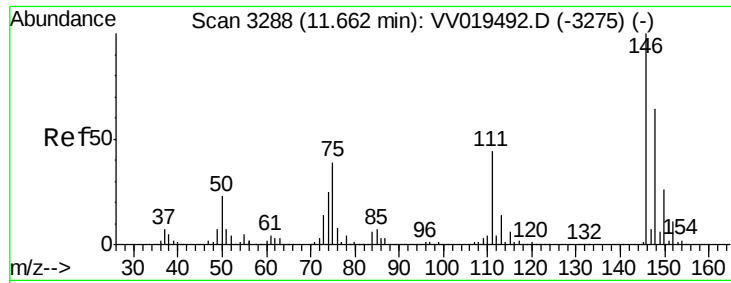


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

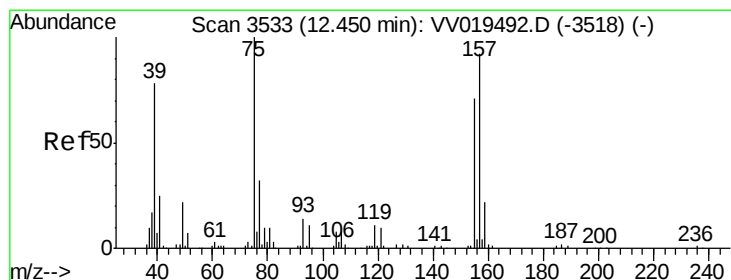
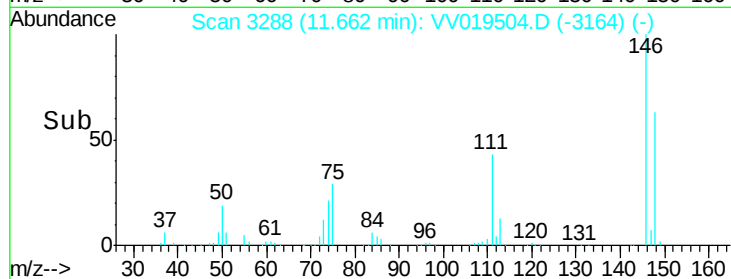
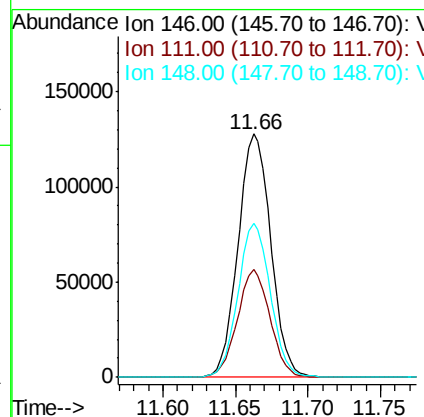
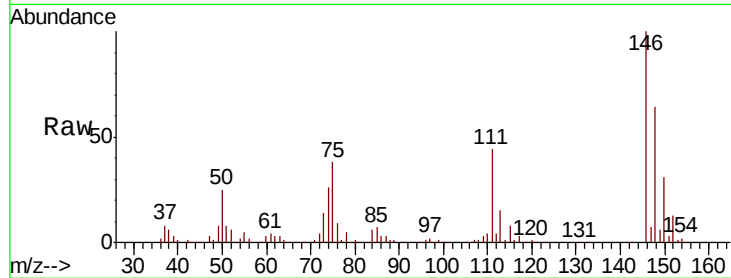




#65
 1,2-Dichlorobenzene
 Concen: 52.174 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: VV019504.D
 Acq: 07 Dec 2020 09:26 pm

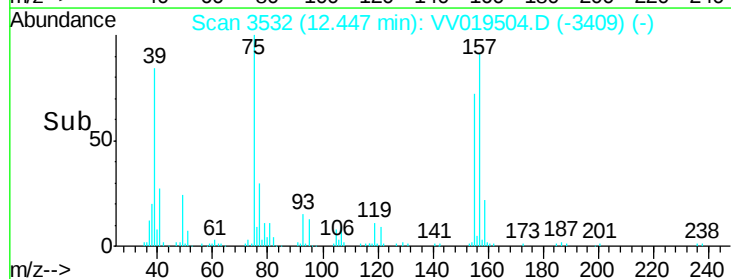
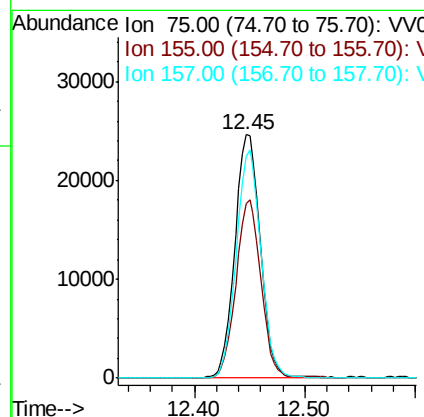
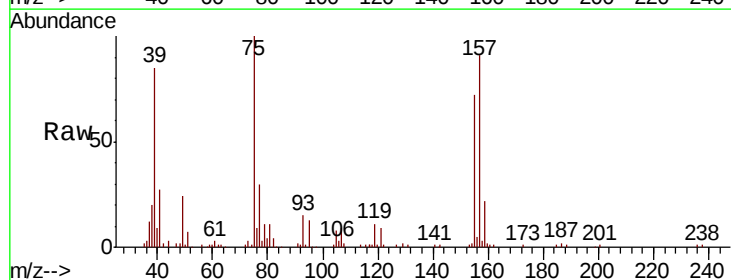
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

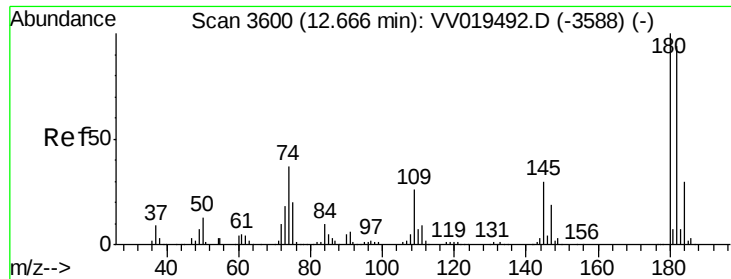
Tot Ion:146 Resp: 200239
 Ion Ratio Lower Upper
 146 100
 111 44.2 34.7 52.1
 148 63.5 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.253 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. -0.00 min
 Lab File: VV019504.D
 Acq: 07 Dec 2020 09:26 pm

Tgt Ion: 75 Resp: 39599
 Ion Ratio Lower Upper
 75 100
 155 71.5 57.9 86.9
 157 91.1 70.6 106.0

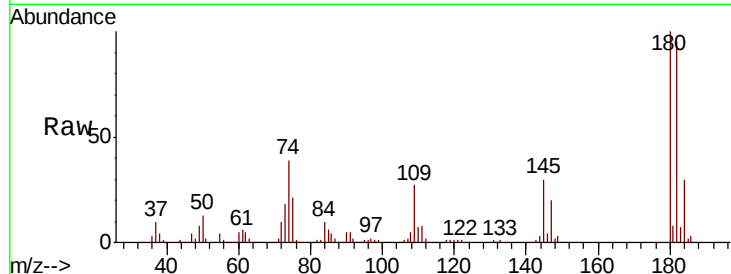




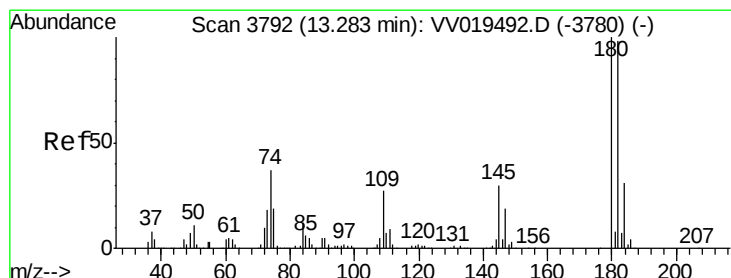
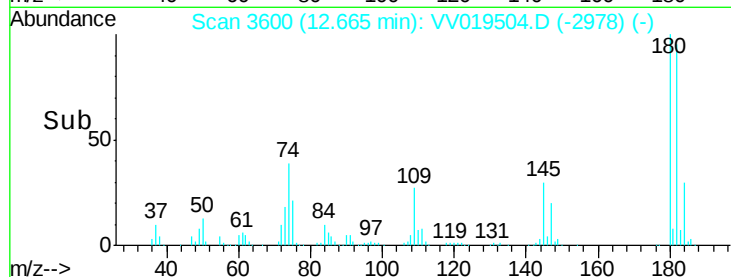
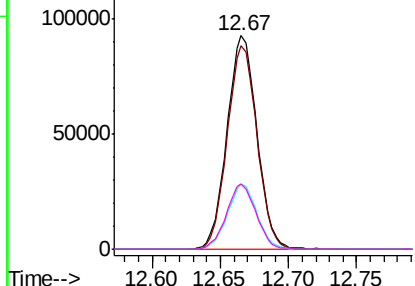
#67
 1,3,5-Trichlorobenzene
 Concen: 50.235 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019504.D
 Acq: 07 Dec 2020 09:26 pm

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Tot Ion:180	Resp:	140888
Ion	Ratio	Lower Upper
180	100	
182	95.0	75.9 113.9
184	30.1	24.3 36.5
145	30.3	24.2 36.4

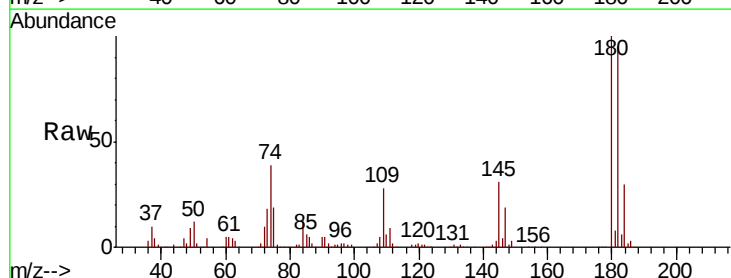


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

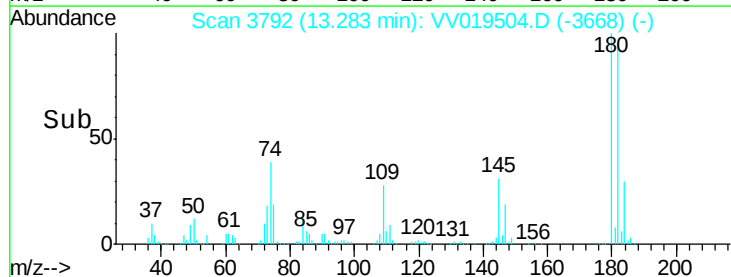
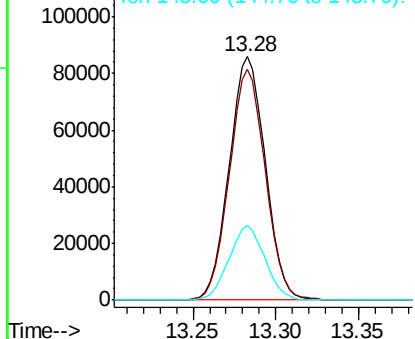


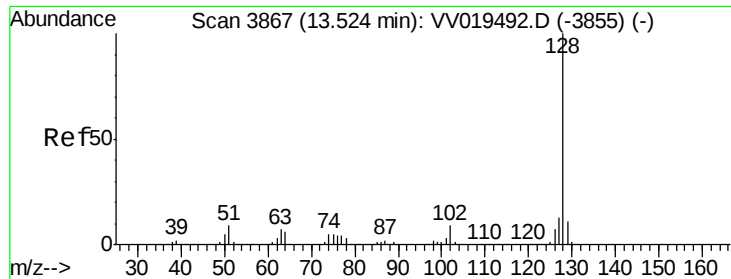
#68
 1,2,4-trichlorobenzene
 Concen: 52.828 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019504.D
 Acq: 07 Dec 2020 09:26 pm

Tgt Ion:180	Resp:	130185
Ion	Ratio	Lower Upper
180	100	
182	94.8	76.5 114.7
145	30.5	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: 55.975 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

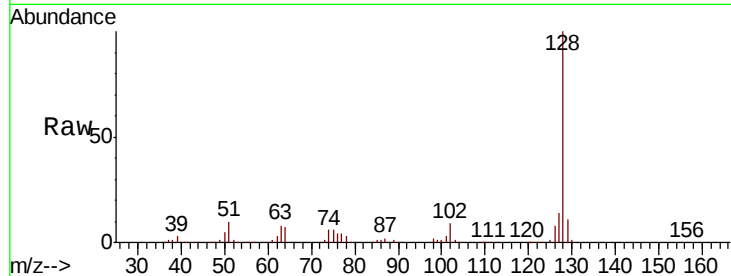
Tot Ion:128 Resp: 362352

Ion Ratio Lower Upper

128 100

127 13.7 10.6 16.0

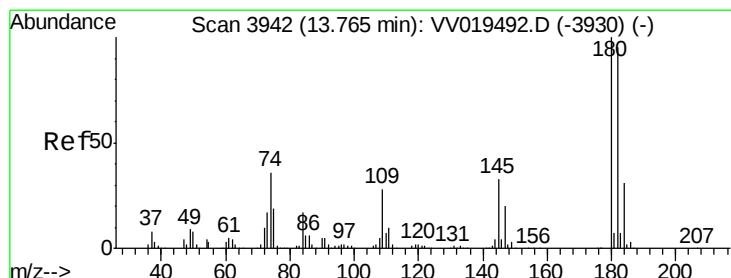
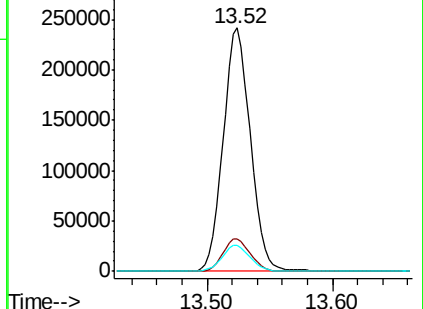
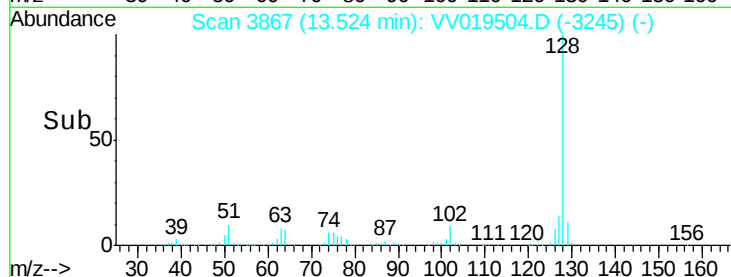
129 11.0 8.6 12.8



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: 54.181 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV019504.D

Acq: 07 Dec 2020 09:26 pm

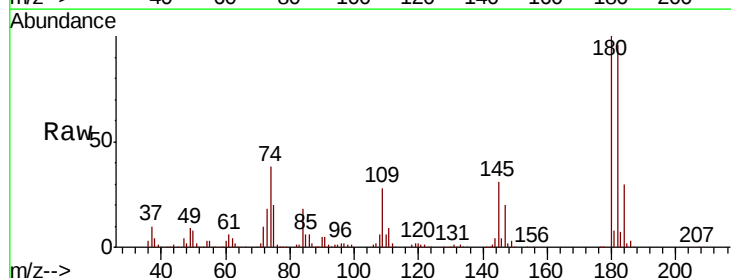
Tgt Ion:180 Resp: 137897

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.4

145 32.2 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

