

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052722\
 Data File : VW025977.D
 Acq On : 27 May 2022 14:33
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050298

Quant Time: May 27 22:35:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 27 22:34:02 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	340074	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	345507	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	195614	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.310	65	167525	38.169	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.340%
7) Chloroethane-d5	1.571	69	139038	36.073	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.140%
11) 1,1-Dichloroethene-d2	2.111	63	324596	42.286	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.580%
21) 2-Butanone-d5	3.899	46	175490	93.288	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.290%
24) Chloroform-d	4.349	84	280536	45.763	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.520%
26) 1,2-Dichloroethane-d4	5.034	65	166522	44.946	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.900%
32) Benzene-d6	5.050	84	560818	46.561	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.120%
36) 1,2-Dichloropropane-d6	6.069	67	171940	46.477	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.960%
41) Toluene-d8	7.313	98	517287	46.612	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.220%
43) trans-1,3-Dichloroprop...	7.619	79	75877	45.947	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.900%
47) 2-Hexanone-d5	8.088	63	133186	98.197	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.200%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	249997	50.674	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.340%
66) 1,2-Dichlorobenzene-d4	11.622	152	198455	46.250	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.134	85	151261	43.020	ug/L	99
3) Chloromethane	1.243	50	181579	42.701	ug/L	99
5) Vinyl chloride	1.314	62	191310	44.252	ug/L	100
6) Bromomethane	1.526	94	107569	40.947	ug/L	100
8) Chloroethane	1.587	64	126468	39.171	ug/L	96
9) Trichlorofluoromethane	1.757	101	278338	45.304	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	158426	48.535	ug/L	99
12) 1,1-Dichloroethene	2.121	96	147738	46.018	ug/L	96
13) Acetone	2.191	43	126493	98.537	ug/L	88
14) Carbon disulfide	2.294	76	349044	43.955	ug/L	100
15) Methyl Acetate	2.442	43	133329	48.479	ug/L	96
16) Methylene chloride	2.510	84	156503	50.327	ug/L	98
17) trans-1,2-Dichloroethene	2.764	96	133110	48.258	ug/L	100
18) Methyl tert-butyl Ether	2.773	73	418314	52.145	ug/L	99
19) 1,1-Dichloroethane	3.191	63	262733	50.997	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	145778	48.963	ug/L	98
22) 2-Butanone	3.986	43	172122	100.542	ug/L	94
23) Bromochloromethane	4.249	128	79604	50.619	ug/L	96
25) Chloroform	4.378	83	271517	49.734	ug/L	98

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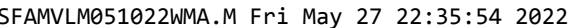
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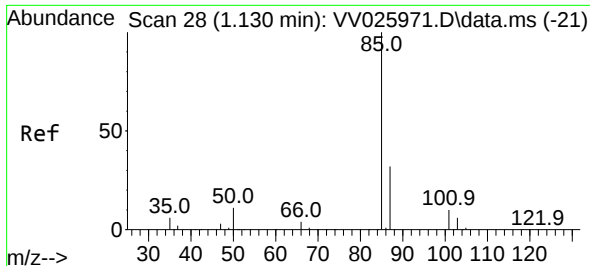
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 Quant Title : VOC Analysis
 QLast Update : Fri May 27 22:34:02 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	200000	48.455	ug/L	100
29) Cyclohexane	4.680	56	206710	49.418	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	234229	49.917	ug/L	99
31) Carbon tetrachloride	4.828	117	193893	49.218	ug/L	99
33) Benzene	5.101	78	594786	51.126	ug/L	100
34) Trichloroethene	5.915	95	145810	47.919	ug/L	97
35) Methylcyclohexane	6.130	83	228937	50.236	ug/L	99
37) 1,2-Dichloropropane	6.172	63	159171	54.465	ug/L	99
38) Bromodichloromethane	6.510	83	194266	49.157	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	211350	50.714	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	385076	112.725	ug/L	100
42) Toluene	7.387	91	633042	50.724	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	208628	52.035	ug/L	98
45) 1,1,2-Trichloroethane	7.838	97	153947	51.844	ug/L	98
46) Tetrachloroethene	7.976	164	110606	49.277	ug/L	97
48) 2-Hexanone	8.140	43	310560	116.842	ug/L	100
49) Dibromochloromethane	8.246	129	142231	48.560	ug/L	98
50) 1,2-Dibromoethane	8.352	107	155507	51.498	ug/L	98
51) Chlorobenzene	8.879	112	405447	50.734	ug/L	100
52) Ethylbenzene	9.011	91	659436	51.215	ug/L	100
53) m,p-Xylene	9.137	106	259760	52.013	ug/L	98
54) o-Xylene	9.542	106	252826	51.535	ug/L	100
55) Styrene	9.558	104	459056	53.702	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	249072	56.218	ug/L	100
59) Bromoform	9.728	173	84888	44.986	ug/L	99
60) Isopropylbenzene	9.931	105	669292	51.080	ug/L	99
61) 1,2,3-Trichloropropane	10.272	75	198481	51.263	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	340394	50.400	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	542451	51.766	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	312597	50.401	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	316904	48.756	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	317057	49.423	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.426	75	45853	51.296	ug/L	94
69) 1,3,5-Trichlorobenzene	12.644	180	213068	49.754	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	182218	49.968	ug/L	99
71) Naphthalene	13.500	128	578351	53.552	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	194535	52.349	ug/L	99

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

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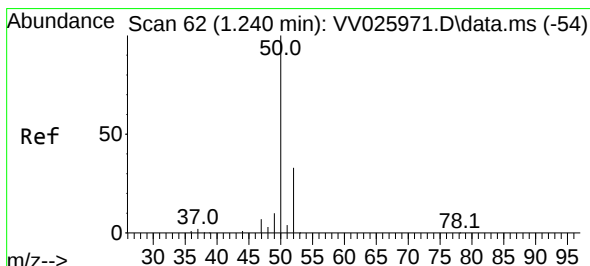
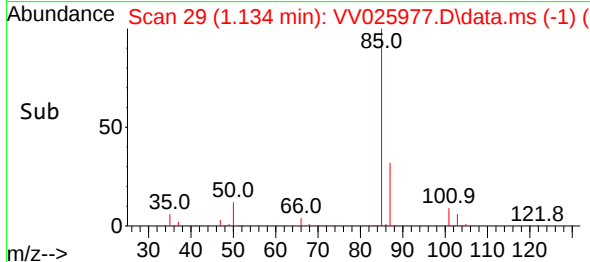
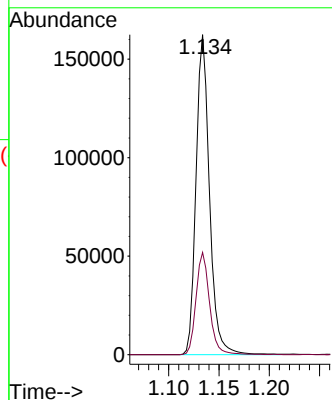
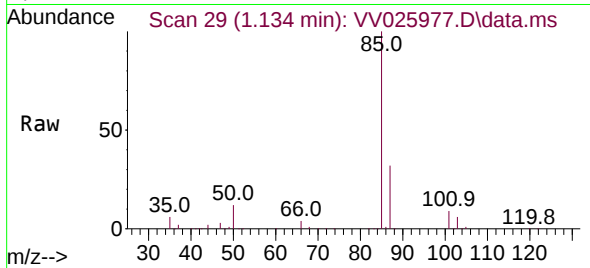




#2
 Dichlorodifluoromethane
 Concen: 43.020 ug/L
 RT: 1.134 min Scan# 29
 Delta R.T. 0.003 min
 Lab File: VV025977.D
 Acq: 27 May 2022 14:33

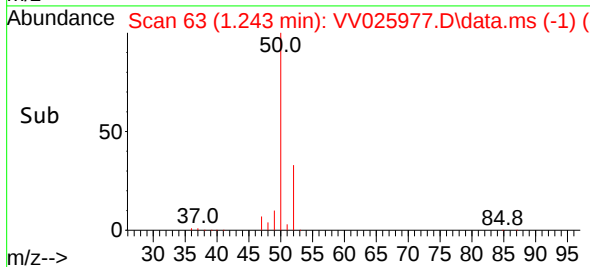
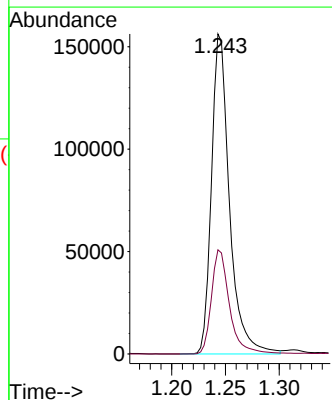
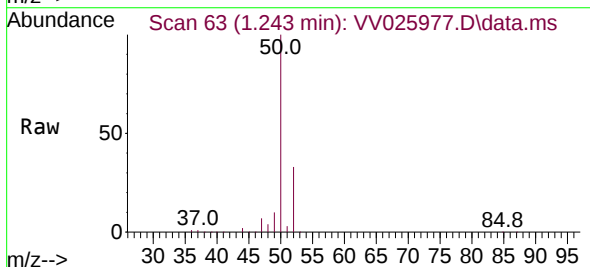
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050298

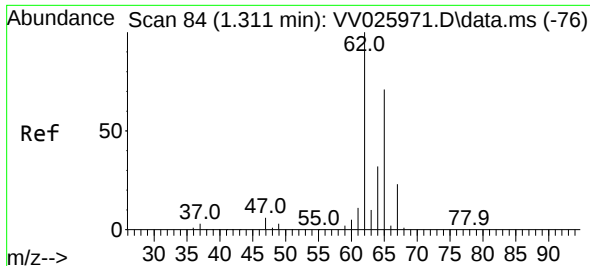
Tgt Ion: 85 Resp: 151261
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.0 39.0



#3
 Chloromethane
 Concen: 42.701 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV025977.D
 Acq: 27 May 2022 14:33

Tgt Ion: 50 Resp: 181579
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.2 43.2

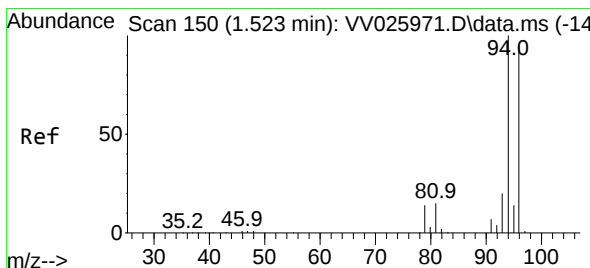
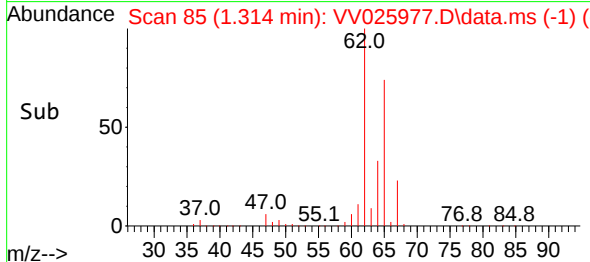
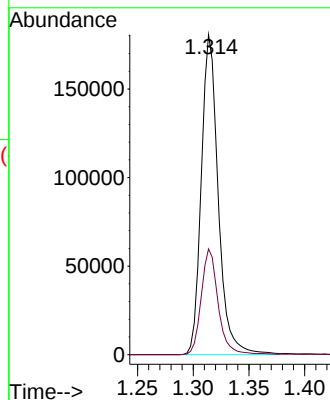
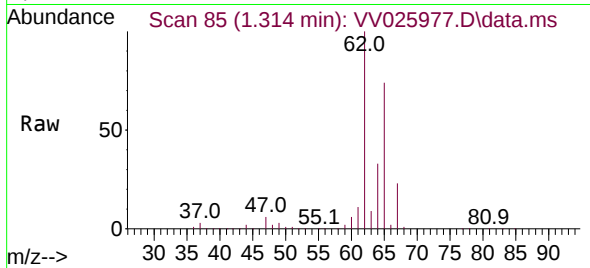




#5
 Vinyl chloride
 Concen: 44.252 ug/L
 RT: 1.314 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV025977.D
 Acq: 27 May 2022 14:33

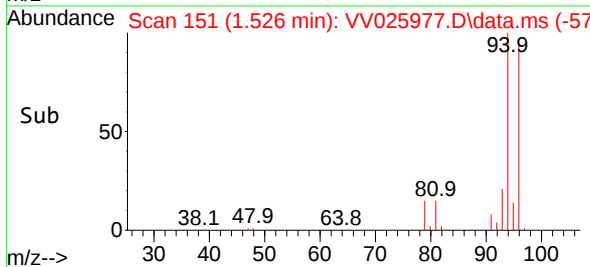
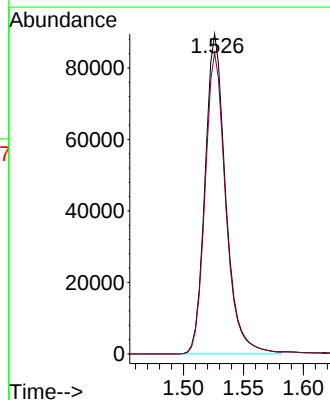
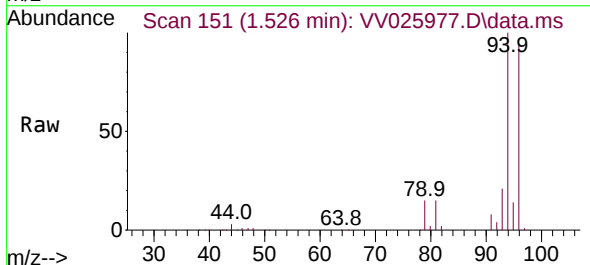
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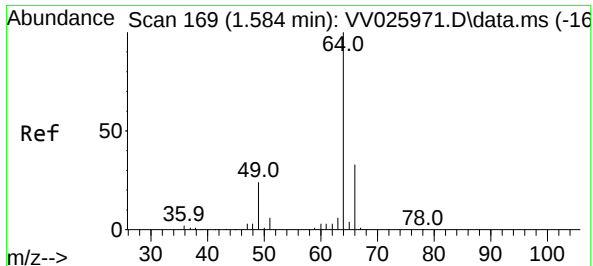
Tgt Ion: 62 Resp: 191310
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.2 43.0



#6
 Bromomethane
 Concen: 40.947 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VV025977.D
 Acq: 27 May 2022 14:33

Tgt Ion: 94 Resp: 107569
 Ion Ratio Lower Upper
 94 100
 96 94.2 65.9 122.3

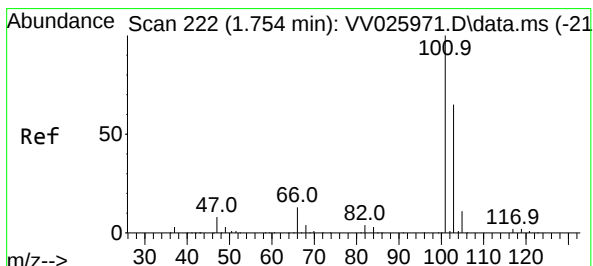
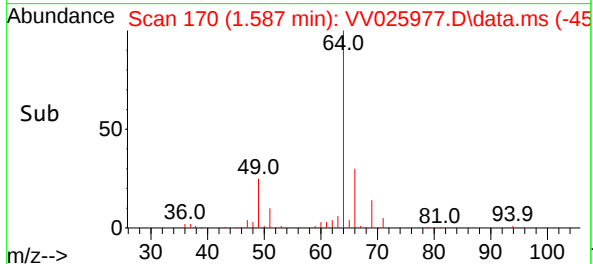
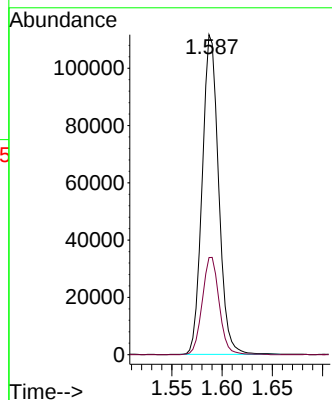
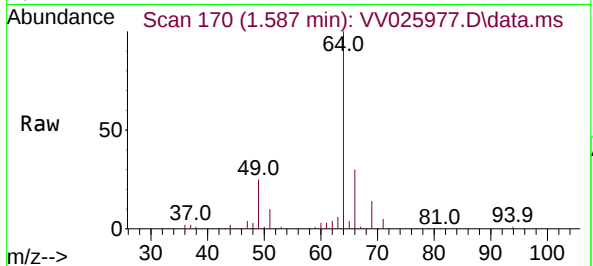




#8
Chloroethane
Concen: 39.171 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

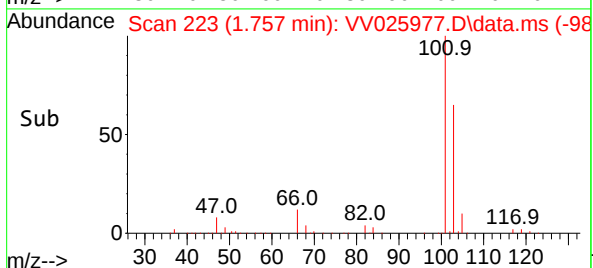
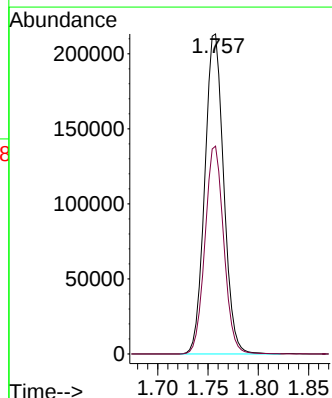
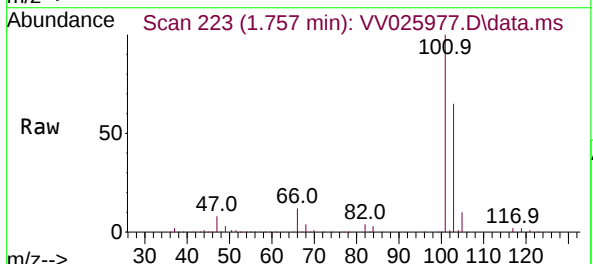
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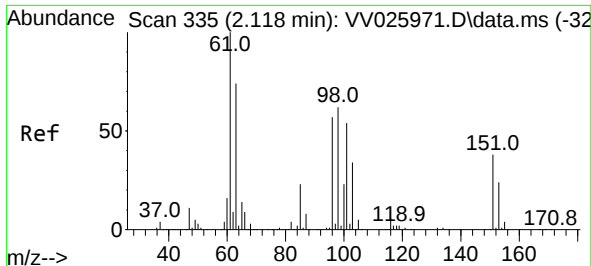
Tgt Ion: 64 Resp: 126468
Ion Ratio Lower Upper
64 100
66 30.4 22.9 42.5



#9
Trichlorofluoromethane
Concen: 45.304 ug/L
RT: 1.757 min Scan# 223
Delta R.T. 0.003 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

Tgt Ion:101 Resp: 278338
Ion Ratio Lower Upper
101 100
103 64.6 51.5 77.3

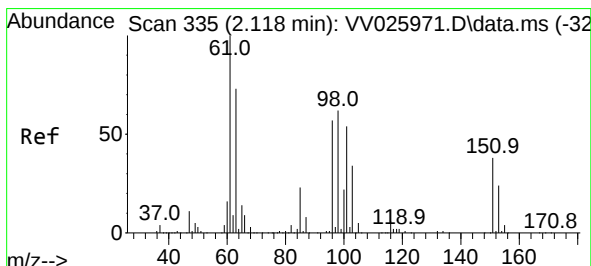
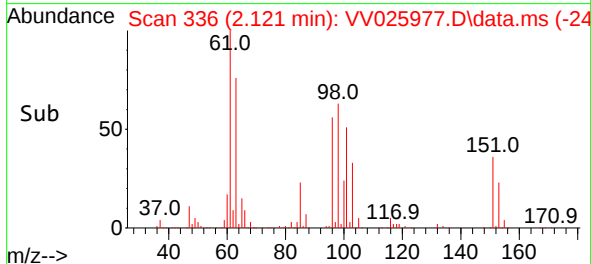
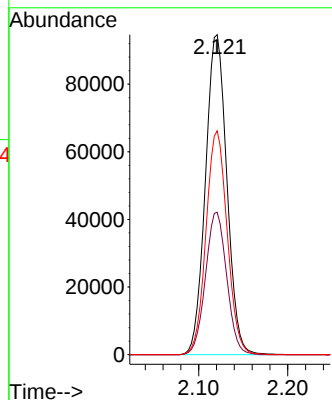
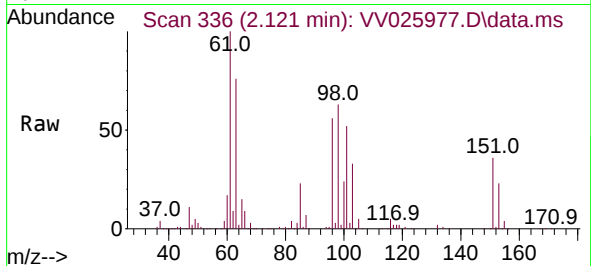




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.535 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV025977.D
 Acq: 27 May 2022 14:33

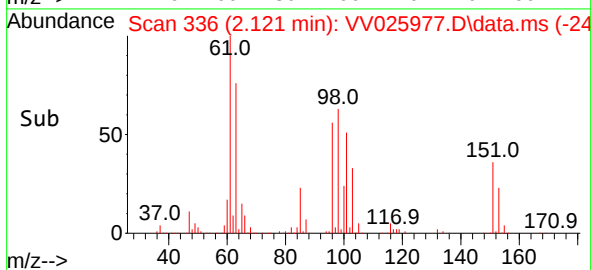
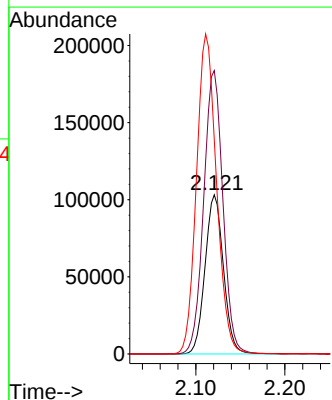
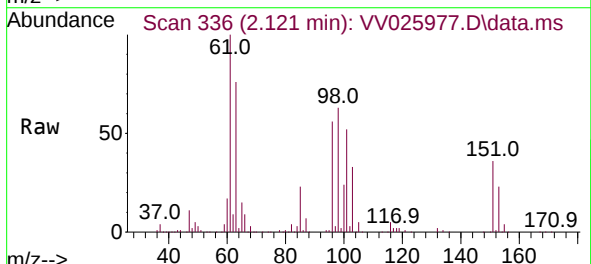
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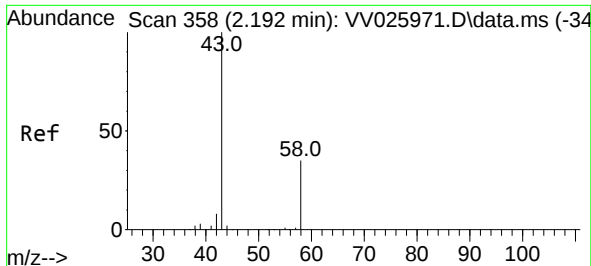
Tgt Ion:101 Resp: 158426
 Ion Ratio Lower Upper
 101 100
 85 44.0 34.6 51.8
 151 69.2 54.3 81.5



#12
 1,1-Dichloroethene
 Concen: 46.018 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV025977.D
 Acq: 27 May 2022 14:33

Tgt Ion: 96 Resp: 147738
 Ion Ratio Lower Upper
 96 100
 61 178.0 124.6 231.4
 63 134.6 101.6 188.6





#13

Acetone

Concen: 98.537 ug/L

RT: 2.191 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

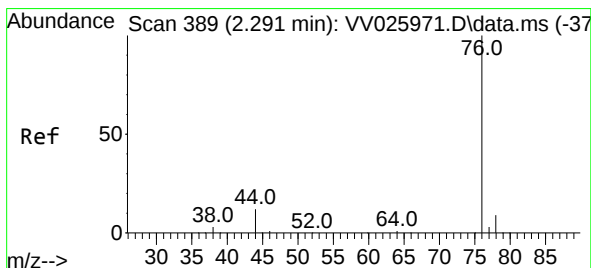
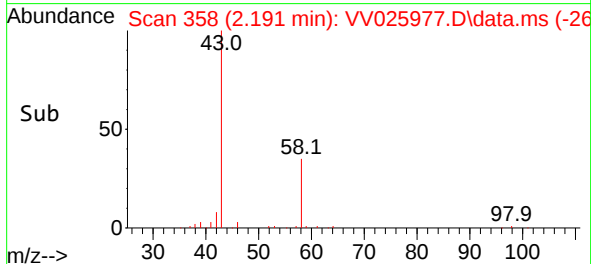
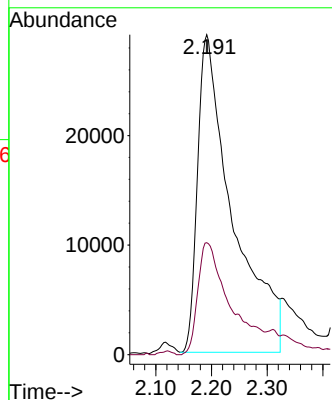
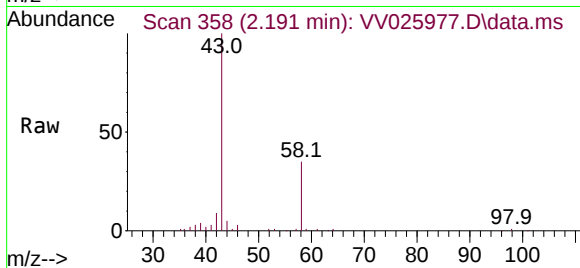
VSTD050298

Tgt Ion: 43 Resp: 126493

Ion Ratio Lower Upper

43 100

58 25.7 0.0 65.0



#14

Carbon disulfide

Concen: 43.955 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV025977.D

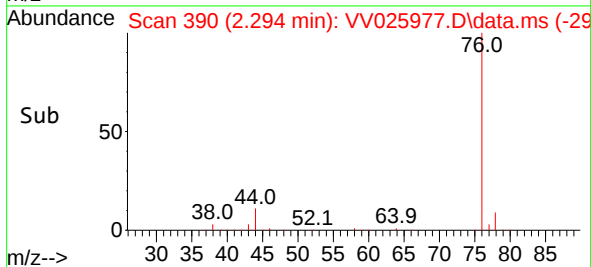
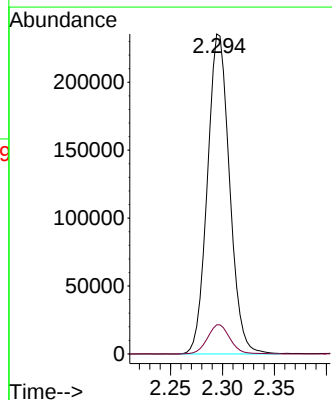
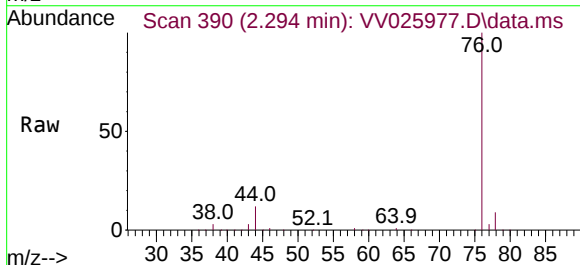
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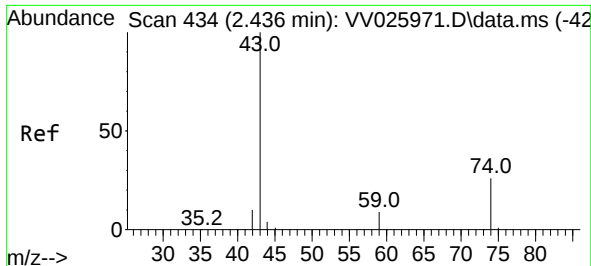
Tgt Ion: 76 Resp: 349044

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

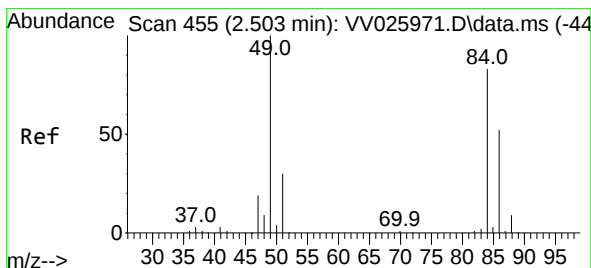
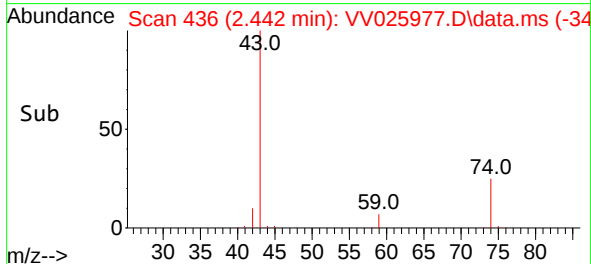
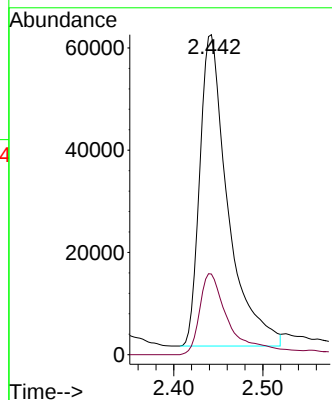
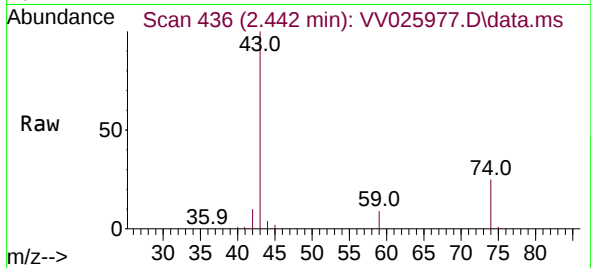




#15
Methyl Acetate
Concen: 48.479 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

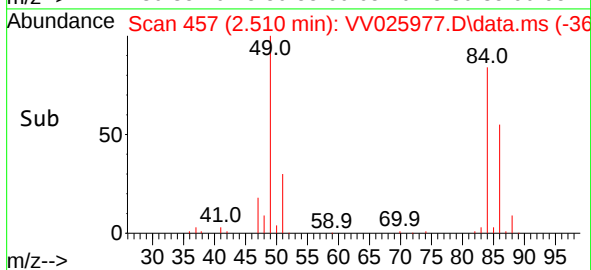
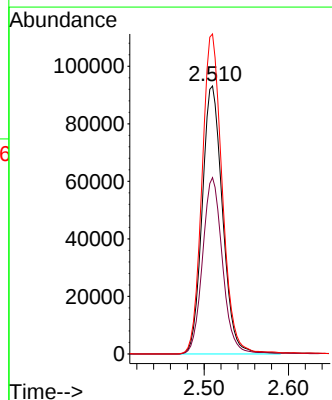
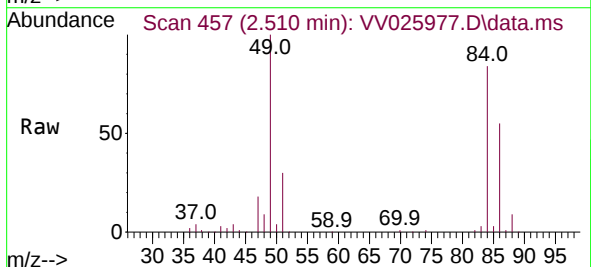
Instrument :
MSVOA_V
ClientSampleId :
VSTD050298

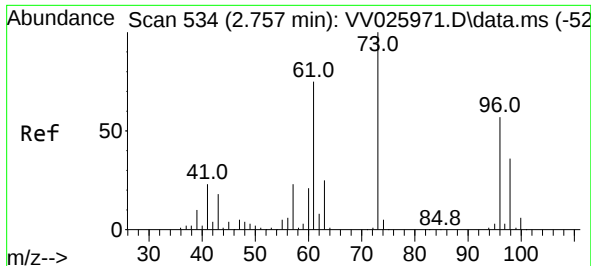
Tgt Ion: 43 Resp: 133329
Ion Ratio Lower Upper
43 100
74 27.9 20.7 31.1



#16
Methylene chloride
Concen: 50.327 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.006 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

Tgt Ion: 84 Resp: 156503
Ion Ratio Lower Upper
84 100
86 65.8 44.2 82.0
49 119.4 82.7 153.5

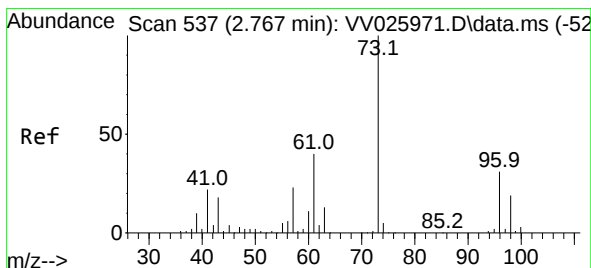
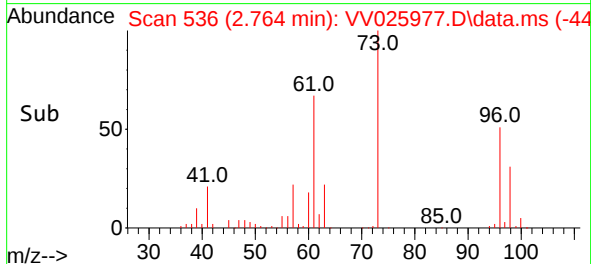
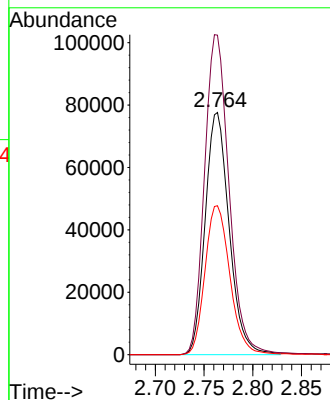
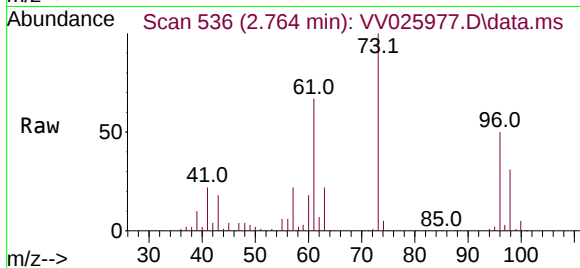




#17
trans-1,2-Dichloroethene
Concen: 48.258 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

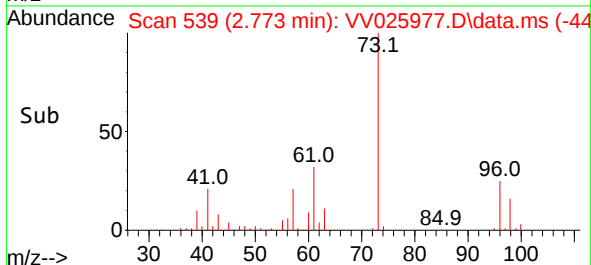
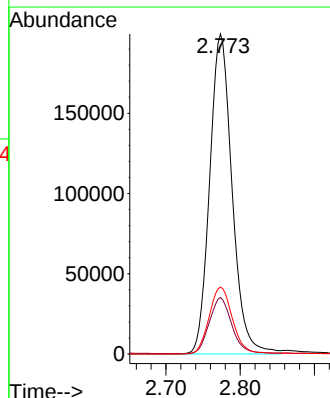
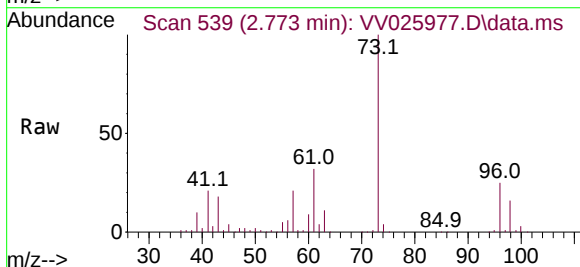
Instrument :
MSVOA_V
ClientSampleId :
VSTD050298

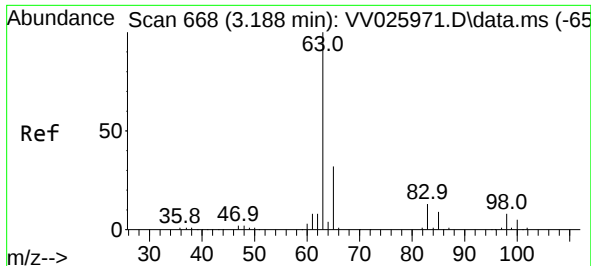
Tgt Ion: 96 Resp: 133110
Ion Ratio Lower Upper
96 100
61 131.9 92.7 172.1
98 61.5 43.1 80.1



#18
Methyl tert-butyl Ether
Concen: 52.145 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.006 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

Tgt Ion: 73 Resp: 418314
Ion Ratio Lower Upper
73 100
43 17.5 14.6 22.0
57 21.8 17.5 26.3





#19

1,1-Dichloroethane

Concen: 50.997 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050298

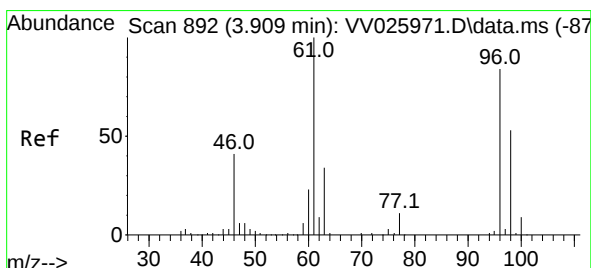
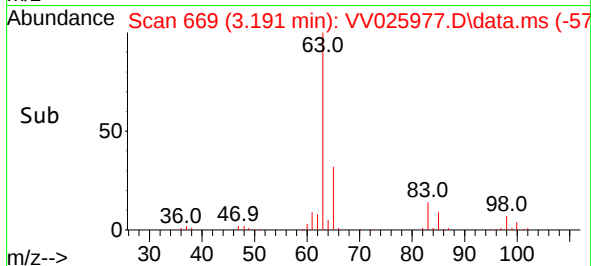
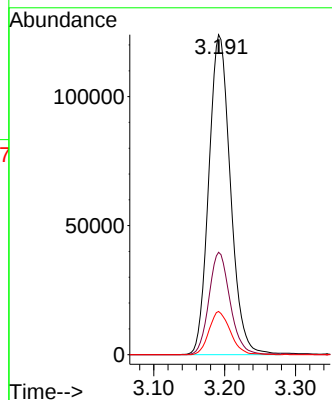
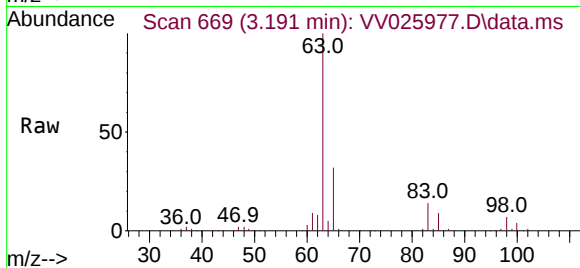
Tgt Ion: 63 Resp: 262733

Ion Ratio Lower Upper

63 100

65 32.0 22.0 40.8

83 13.5 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 48.963 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

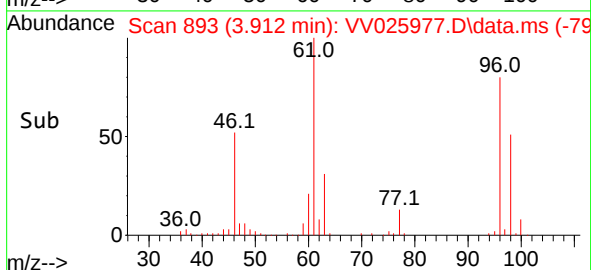
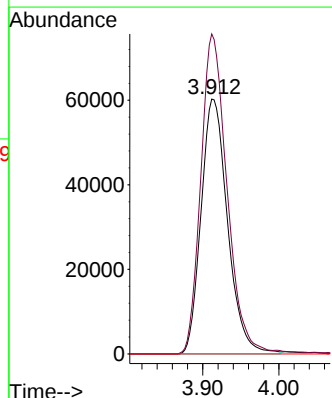
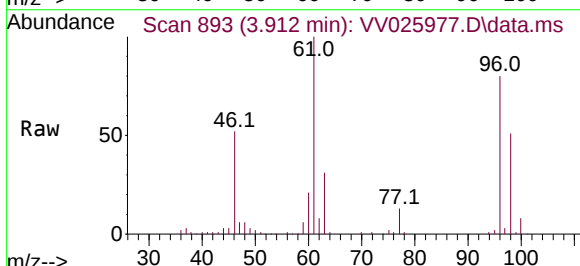
Tgt Ion: 96 Resp: 145778

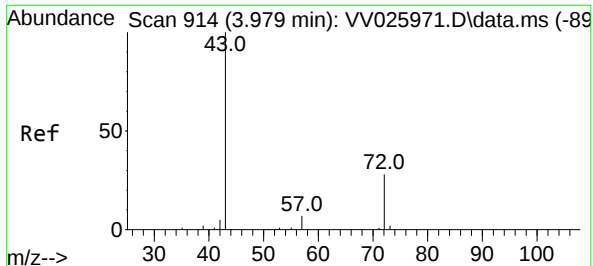
Ion Ratio Lower Upper

96 100

61 125.6 86.0 159.6

68 0.0 0.0 0.0

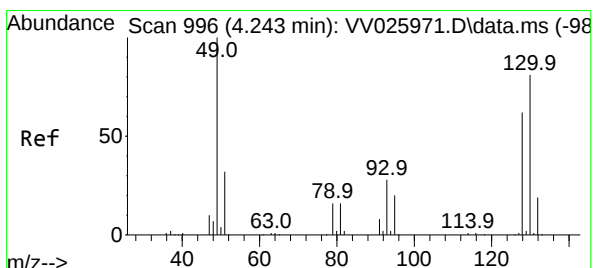
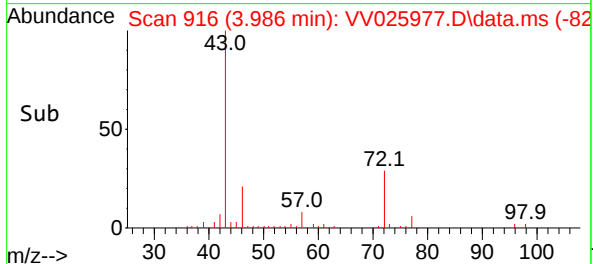
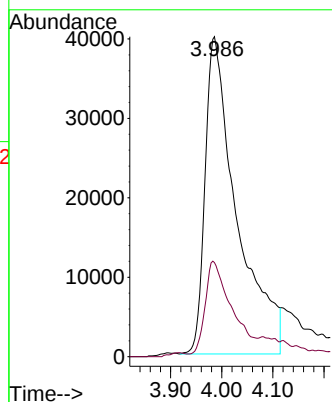
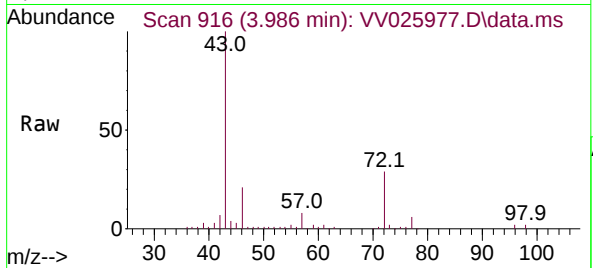




#22
2-Butanone
Concen: 100.542 ug/L
RT: 3.986 min Scan# 914
Delta R.T. 0.006 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

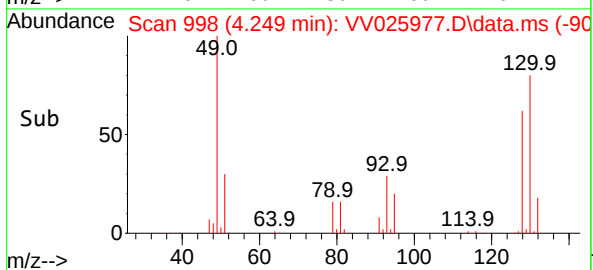
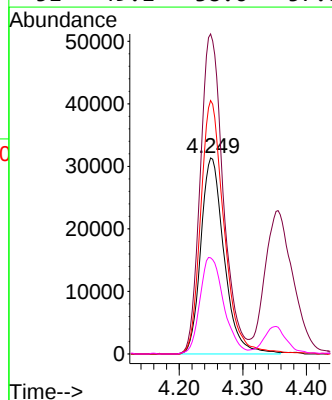
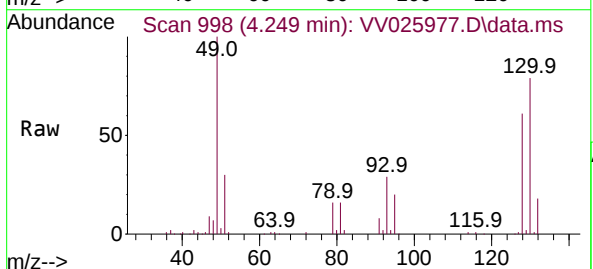
Instrument :
MSVOA_V
ClientSampleId :
VSTD050298

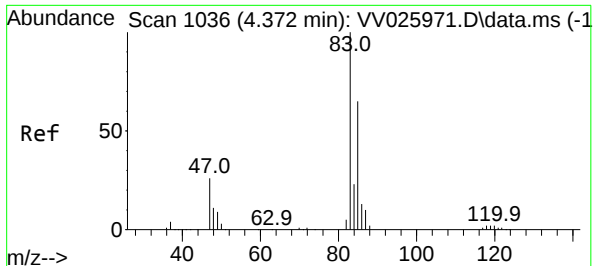
Tgt Ion: 43 Resp: 172122
Ion Ratio Lower Upper
43 100
72 24.3 13.8 41.4



#23
Bromochloromethane
Concen: 50.619 ug/L
RT: 4.249 min Scan# 998
Delta R.T. 0.006 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

Tgt Ion:128 Resp: 79604
Ion Ratio Lower Upper
128 100
49 163.3 111.0 206.2
130 129.3 87.1 161.7
51 49.1 38.6 57.8

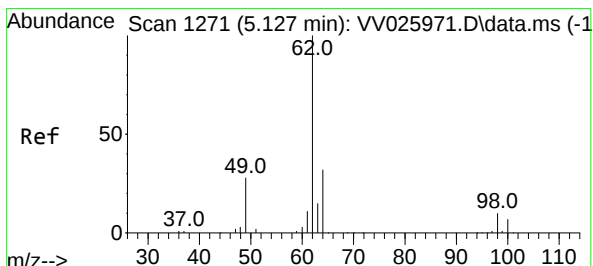
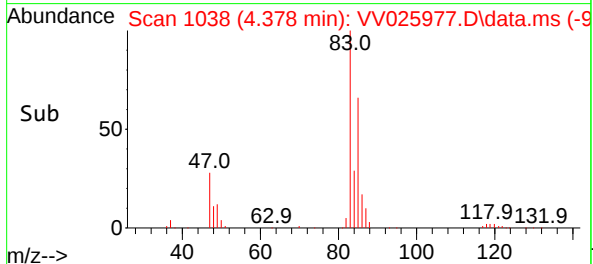
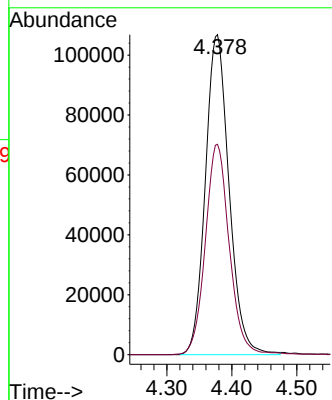
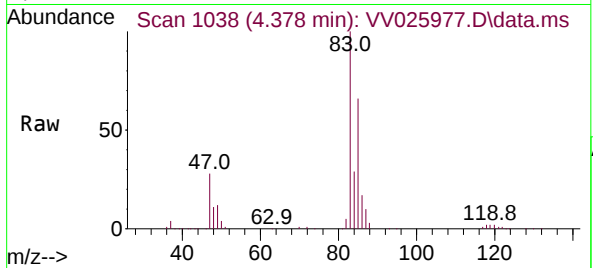




#25
Chloroform
Concen: 49.734 ug/L
RT: 4.378 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

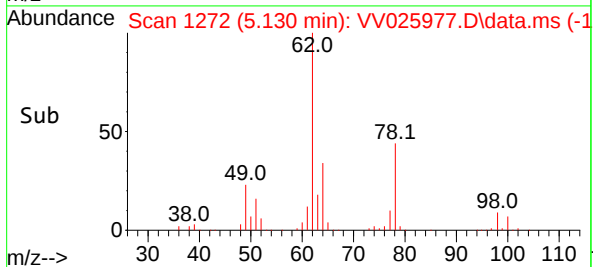
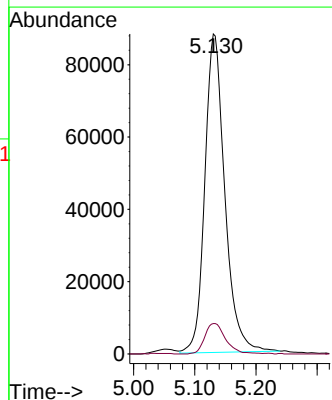
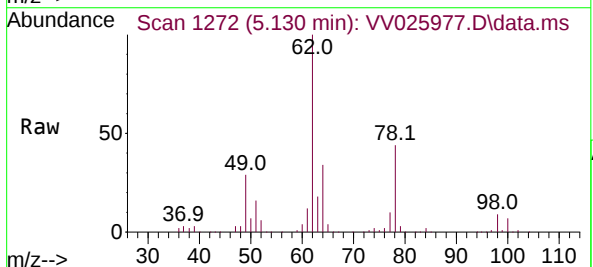
Instrument :
MSVOA_V
ClientSampleId :
VSTD050298

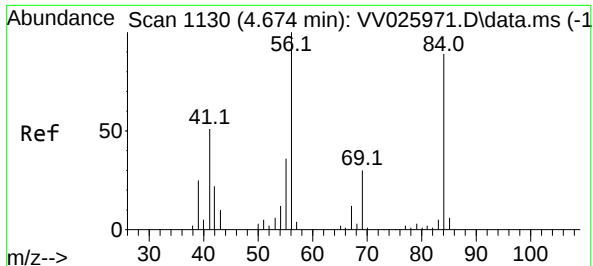
Tgt Ion: 83 Resp: 271517
Ion Ratio Lower Upper
83 100
85 65.8 44.9 83.3



#27
1,2-Dichloroethane
Concen: 48.455 ug/L
RT: 5.130 min Scan# 1272
Delta R.T. 0.003 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

Tgt Ion: 62 Resp: 200000
Ion Ratio Lower Upper
62 100
98 9.5 7.7 11.5





#29

Cyclohexane

Concen: 49.418 ug/L

RT: 4.680 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050298

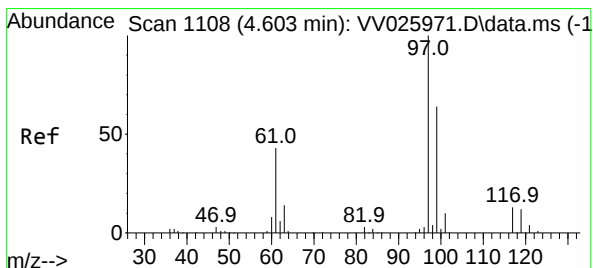
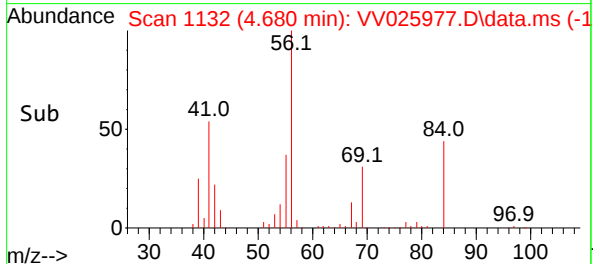
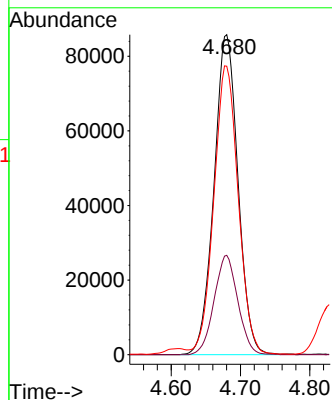
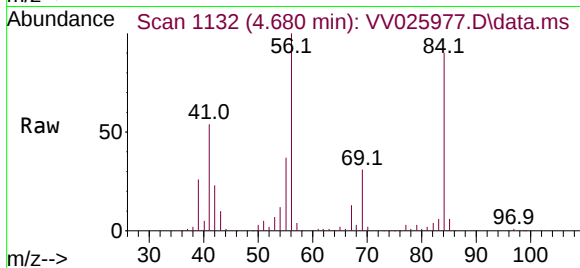
Tgt Ion: 56 Resp: 206710

Ion Ratio Lower Upper

56 100

69 30.7 24.8 37.2

84 91.4 73.8 110.8



#30

1,1,1-Trichloroethane

Concen: 49.917 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

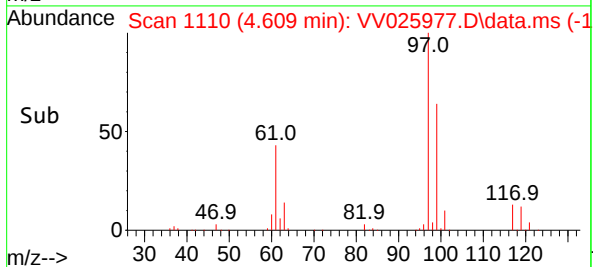
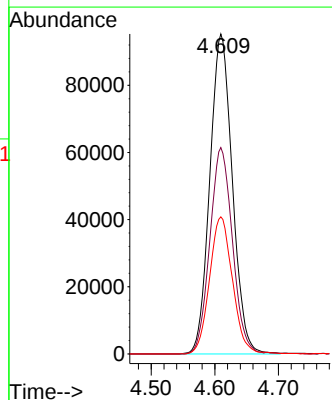
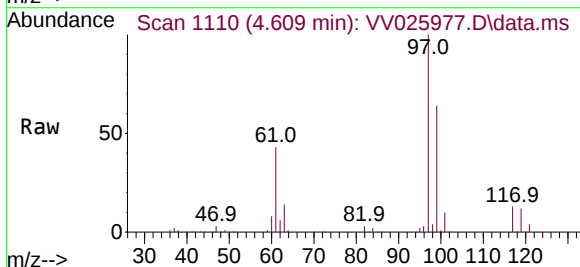
Tgt Ion: 97 Resp: 234229

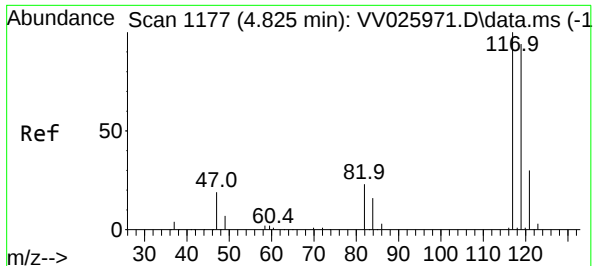
Ion Ratio Lower Upper

97 100

99 64.8 52.6 78.8

61 43.7 35.6 53.4

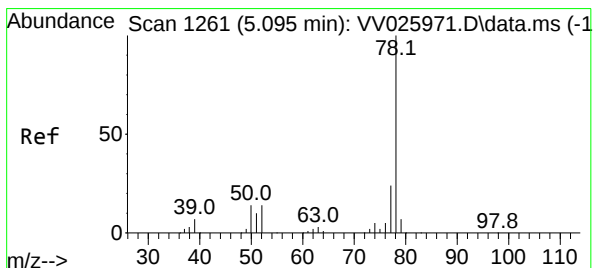
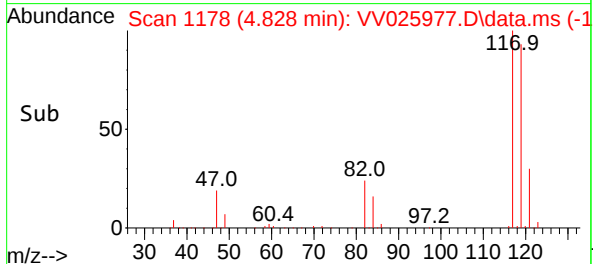
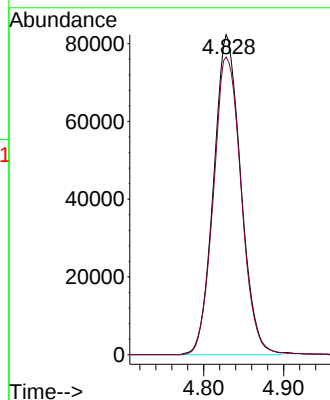
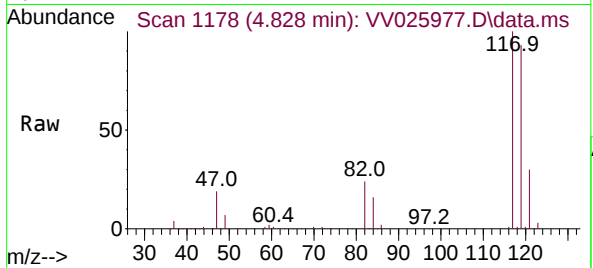




#31
Carbon tetrachloride
Concen: 49.218 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

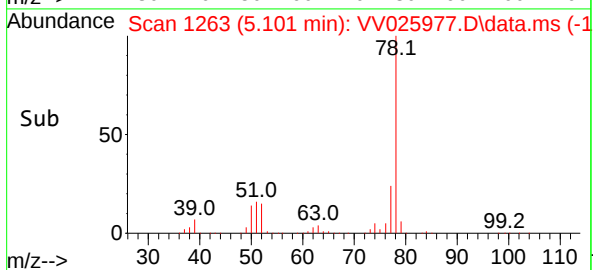
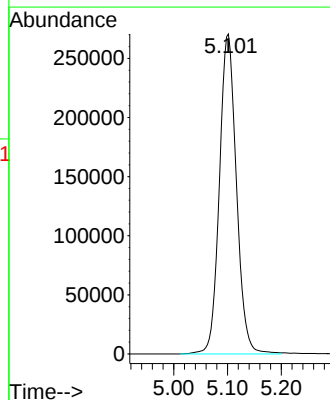
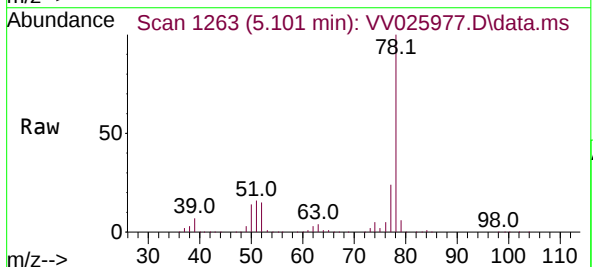
Instrument :
MSVOA_V
ClientSampleId :
VSTD050298

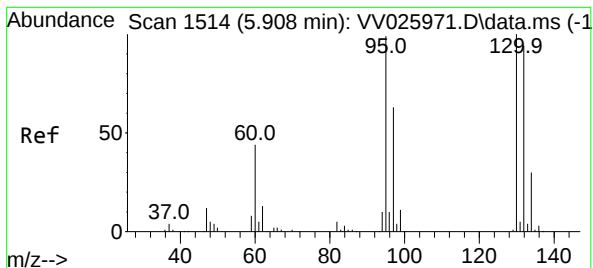
Tgt Ion:117 Resp: 193893
Ion Ratio Lower Upper
117 100
119 95.4 76.9 115.3



#33
Benzene
Concen: 51.126 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

Tgt Ion: 78 Resp: 594786





#34

Trichloroethene

Concen: 47.919 ug/L

RT: 5.915 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050298

Tgt Ion: 95 Resp: 145810

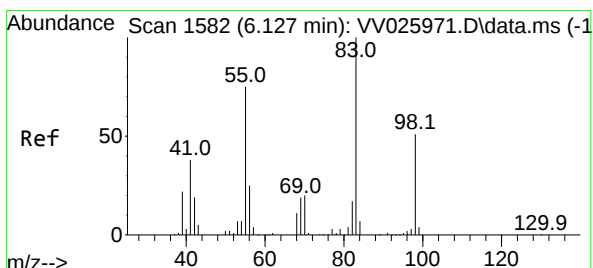
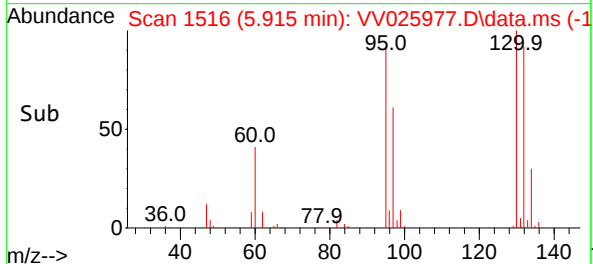
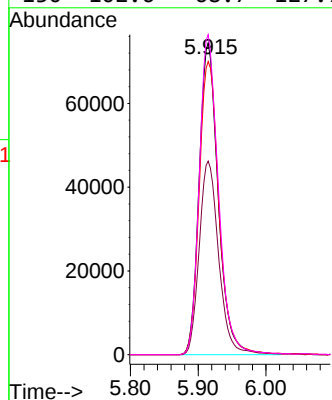
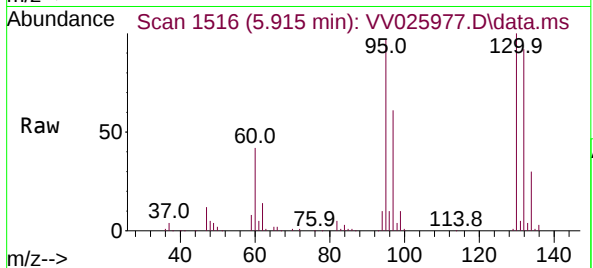
Ion Ratio Lower Upper

95 100

97 62.1 44.2 82.0

132 94.0 67.7 125.7

130 102.6 68.7 127.7



#35

Methylcyclohexane

Concen: 50.236 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.003 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

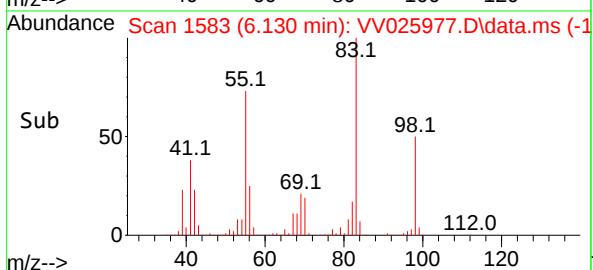
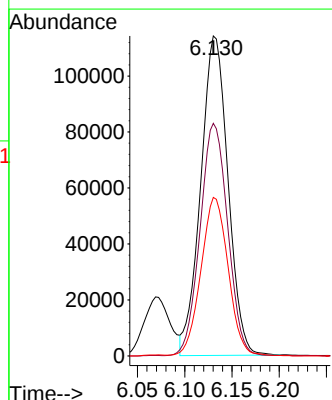
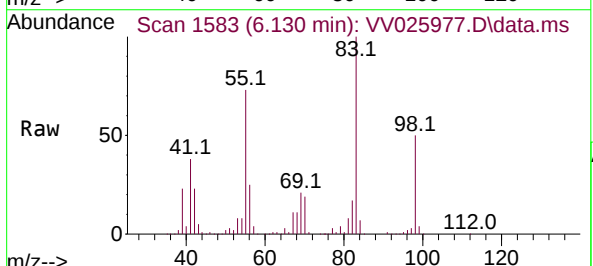
Tgt Ion: 83 Resp: 228937

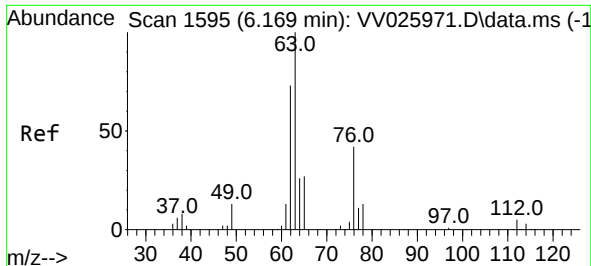
Ion Ratio Lower Upper

83 100

55 73.6 58.6 87.8

98 49.4 39.1 58.7





#37

1,2-Dichloropropane

Concen: 54.465 ug/L

RT: 6.172 min Scan# 1591

Delta R.T. 0.003 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

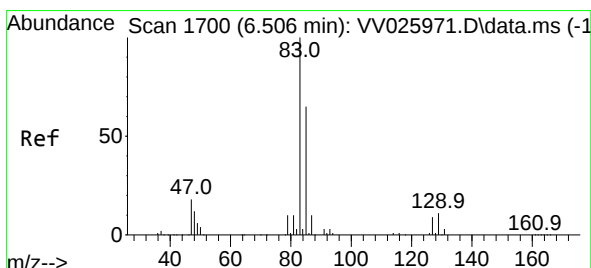
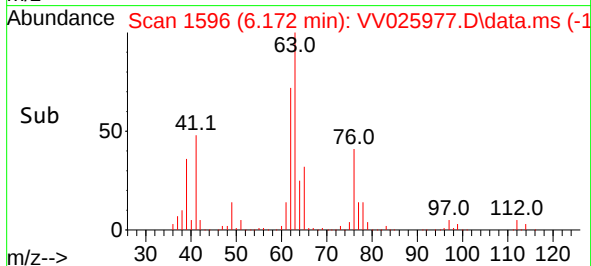
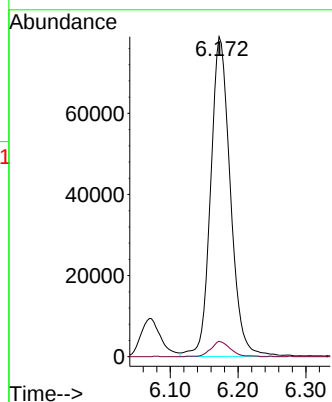
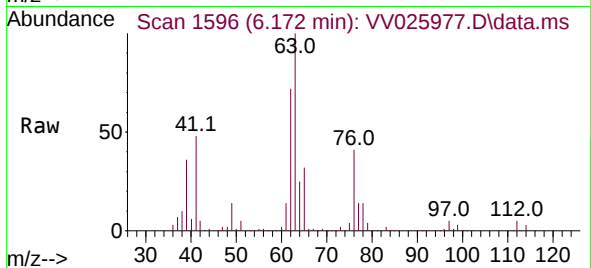
VSTD050298

Tgt Ion: 63 Resp: 159171

Ion Ratio Lower Upper

63 100

112 4.4 3.8 5.6



#38

Bromodichloromethane

Concen: 49.157 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

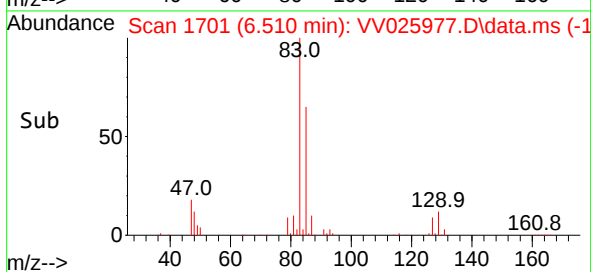
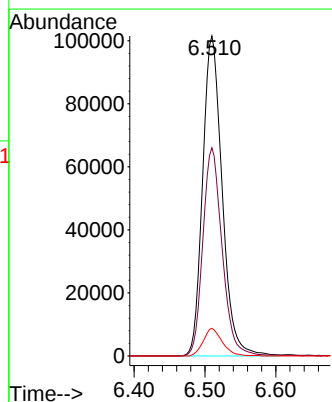
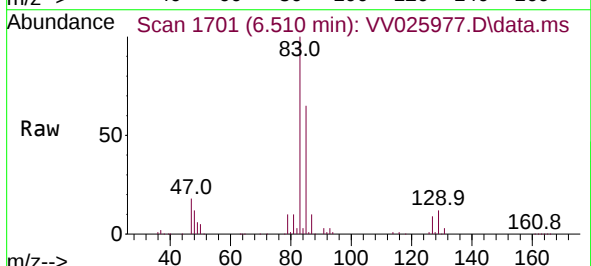
Tgt Ion: 83 Resp: 194266

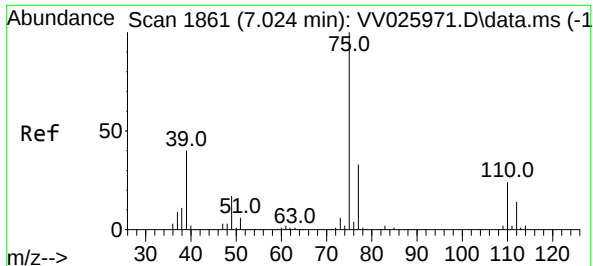
Ion Ratio Lower Upper

83 100

85 65.0 46.0 85.4

127 8.6 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 50.714 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

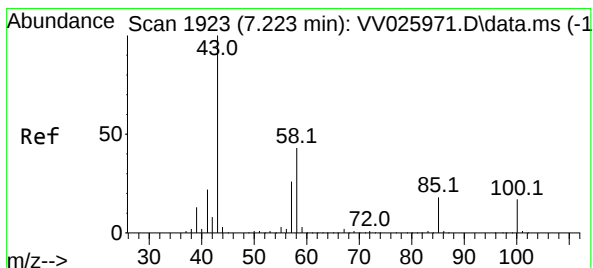
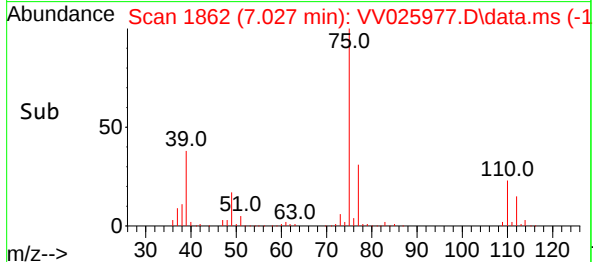
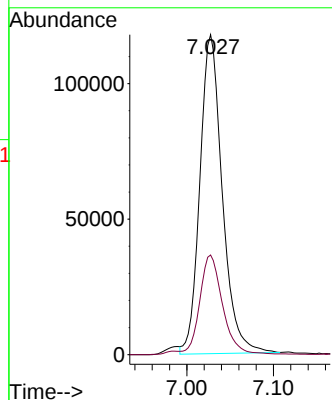
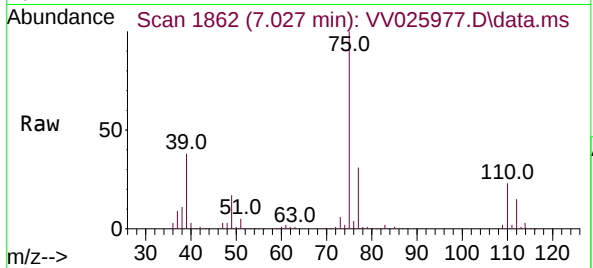
VSTD050298

Tgt Ion: 75 Resp: 211350

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 112.725 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

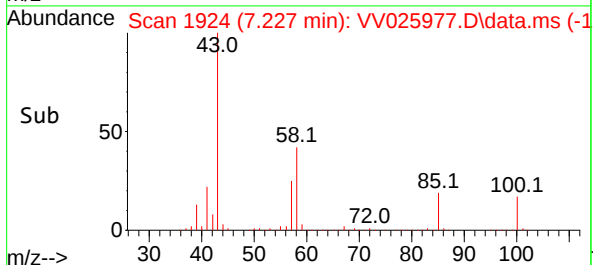
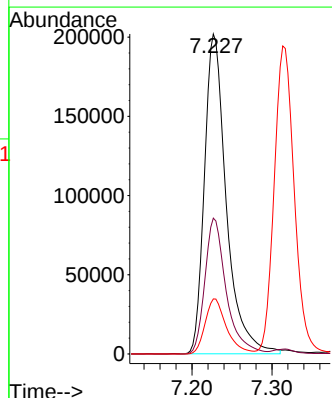
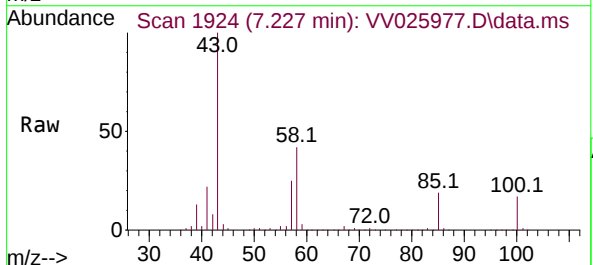
Tgt Ion: 43 Resp: 385076

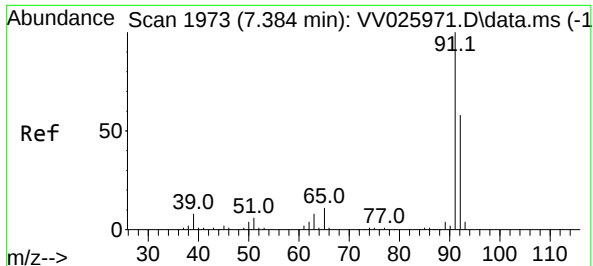
Ion Ratio Lower Upper

43 100

58 41.4 32.9 49.3

100 16.8 13.7 20.5





#42

Toluene

Concen: 50.724 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

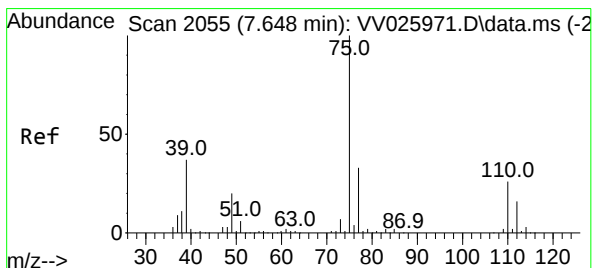
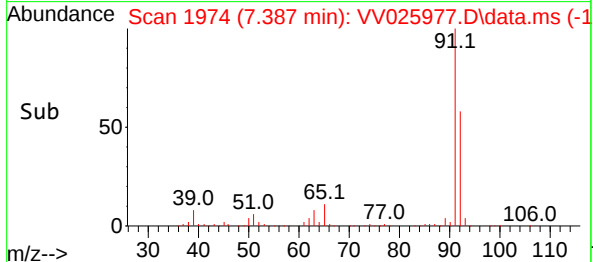
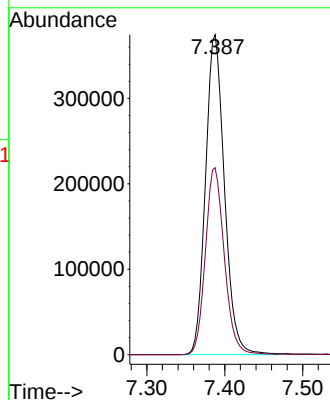
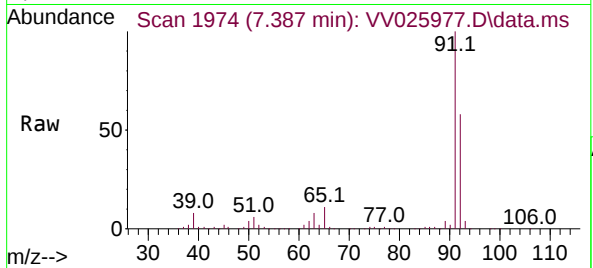
VSTD050298

Tgt Ion: 91 Resp: 633042

Ion Ratio Lower Upper

91 100

92 58.4 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 52.035 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VV025977.D

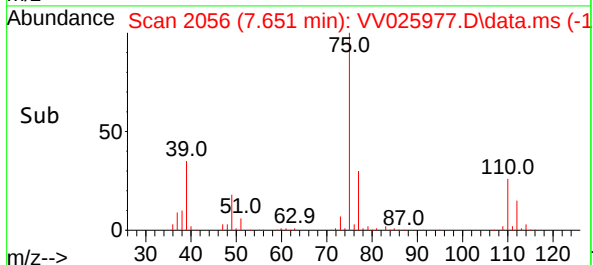
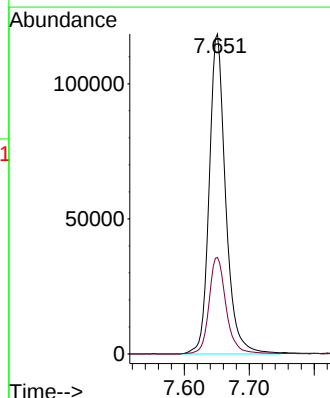
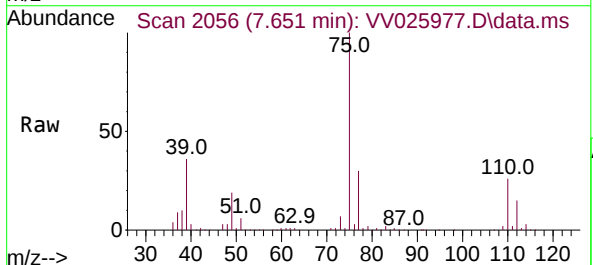
Acq: 27 May 2022 14:33

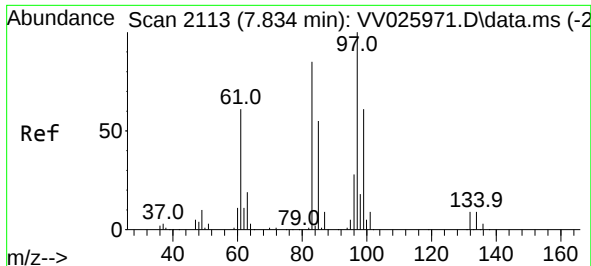
Tgt Ion: 75 Resp: 208628

Ion Ratio Lower Upper

75 100

77 30.1 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 51.844 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050298

Tgt Ion: 97 Resp: 153947

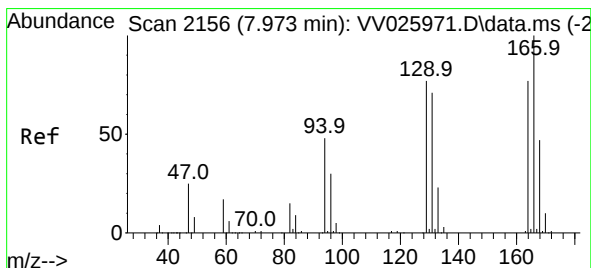
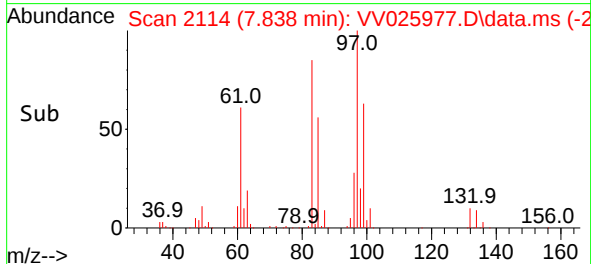
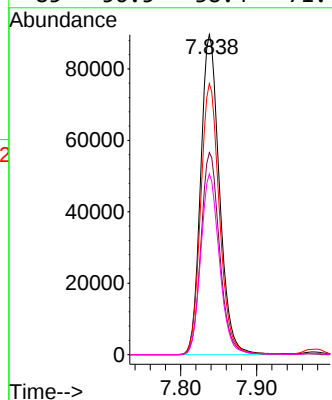
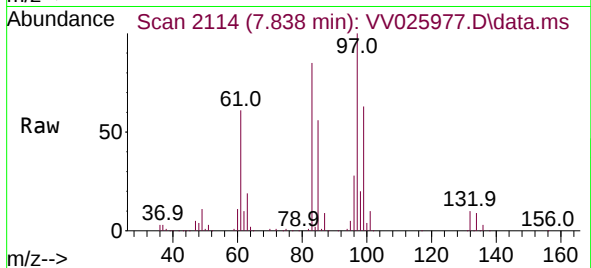
Ion Ratio Lower Upper

97 100

99 63.2 42.6 79.0

83 84.7 59.7 110.9

85 56.5 38.4 71.4



#46

Tetrachloroethene

Concen: 49.277 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

Tgt Ion:164 Resp: 110606

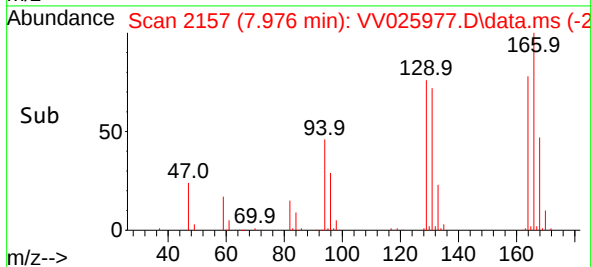
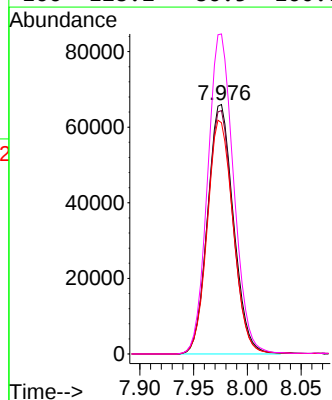
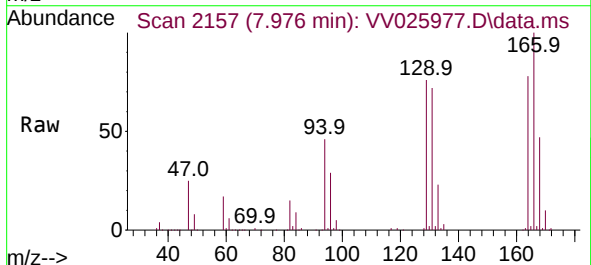
Ion Ratio Lower Upper

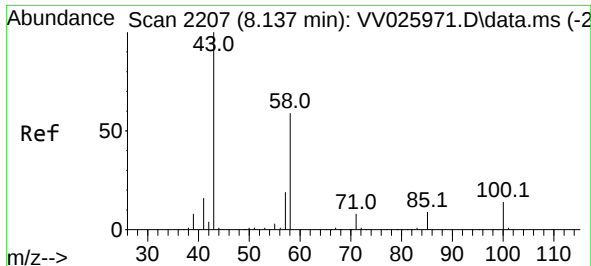
164 100

129 97.5 66.8 124.2

131 92.7 66.7 123.9

166 128.2 86.5 160.7

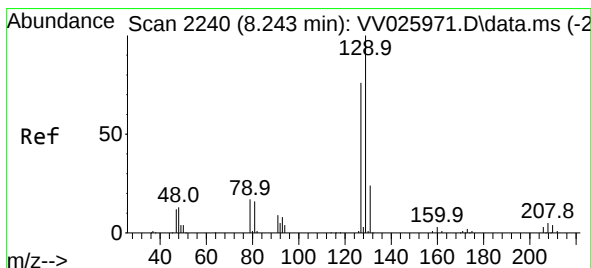
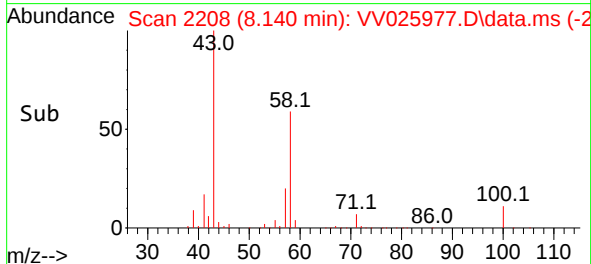
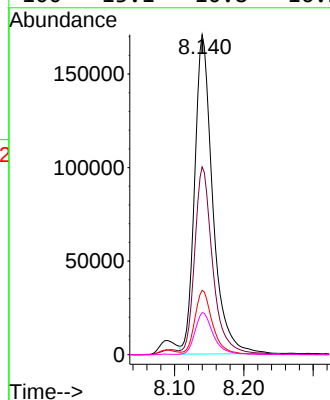
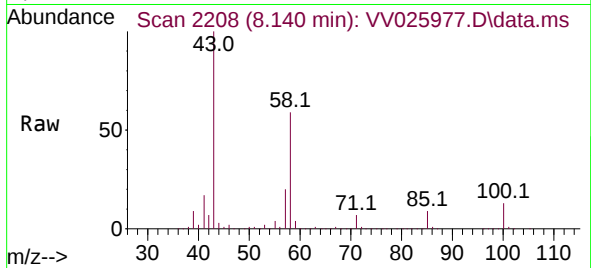




#48
2-Hexanone
Concen: 116.842 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

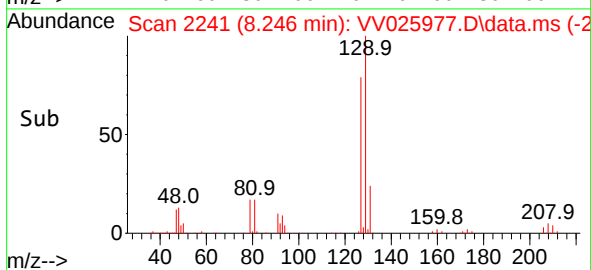
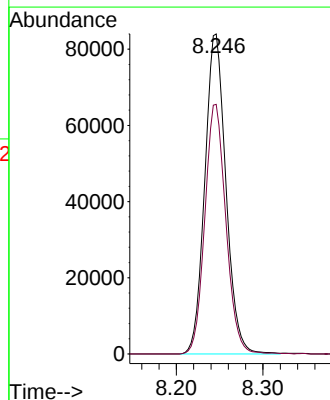
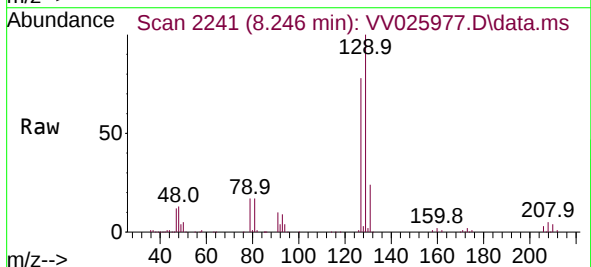
Instrument :
MSVOA_V
ClientSampleId :
VSTD050298

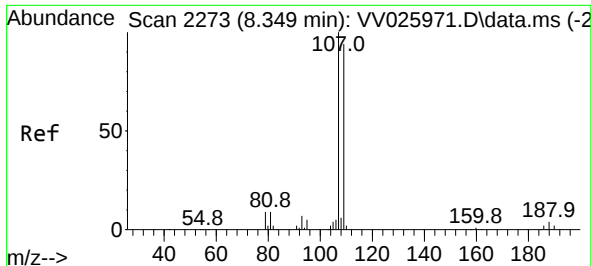
Tgt Ion:	43	Resp:	310560
Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.9	68.9
57	19.3	15.4	23.2
100	13.1	10.8	16.2



#49
Dibromochloromethane
Concen: 48.560 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

Tgt Ion:	129	Resp:	142231
Ion	Ratio	Lower	Upper
129	100		
127	78.0	53.5	99.5





#50

1,2-Dibromoethane

Concen: 51.498 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050298

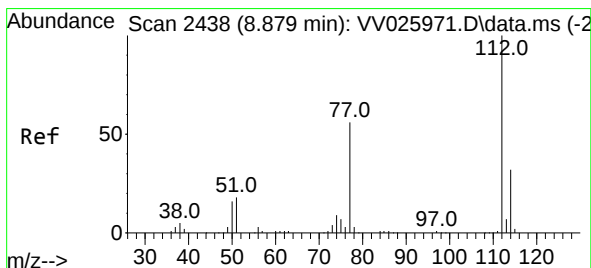
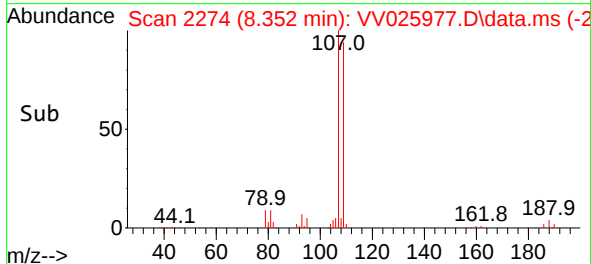
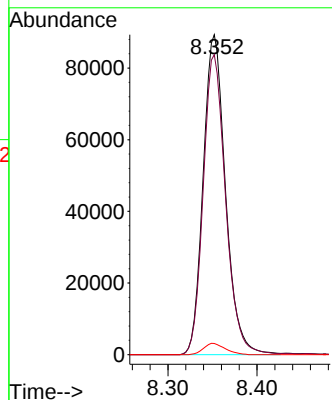
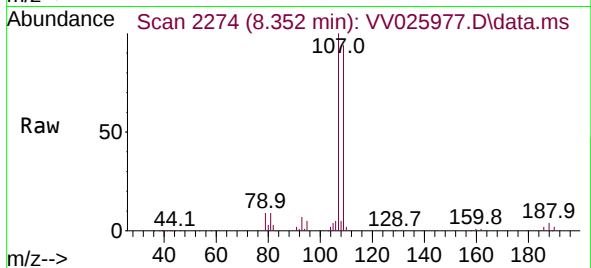
Tgt Ion:107 Resp: 155507

Ion Ratio Lower Upper

107 100

109 93.8 64.1 119.1

188 3.5 2.6 3.8



#51

Chlorobenzene

Concen: 50.734 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.000 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

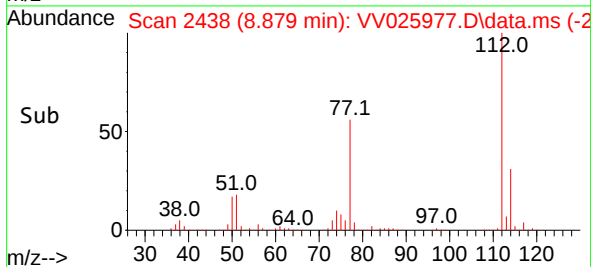
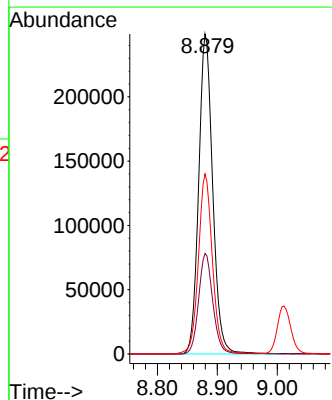
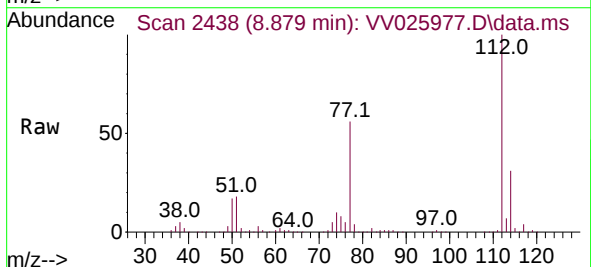
Tgt Ion:112 Resp: 405447

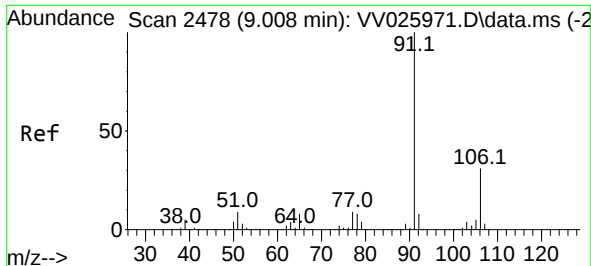
Ion Ratio Lower Upper

112 100

114 31.4 22.0 40.8

77 56.2 45.3 67.9

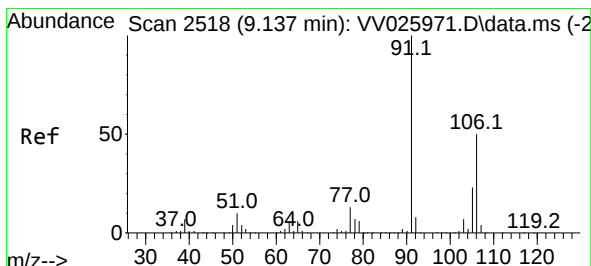
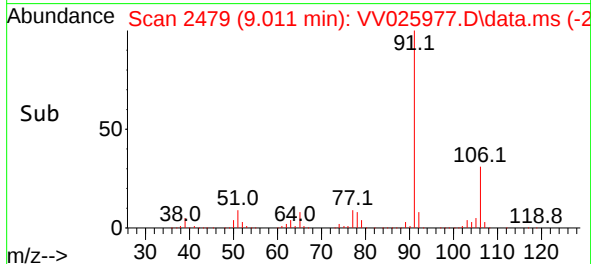
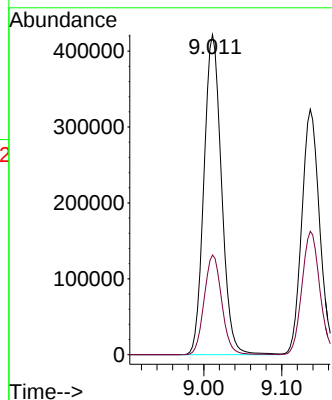
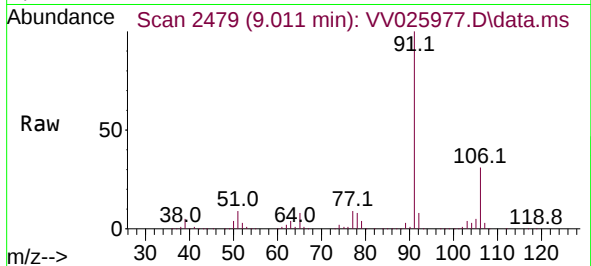




#52
Ethylbenzene
Concen: 51.215 ug/L
RT: 9.011 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

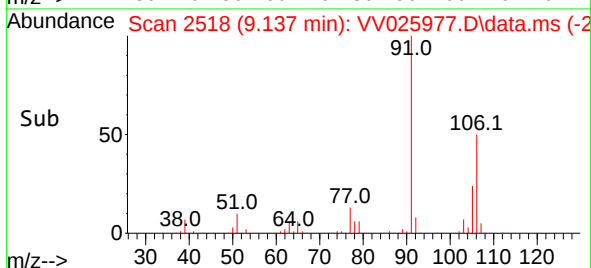
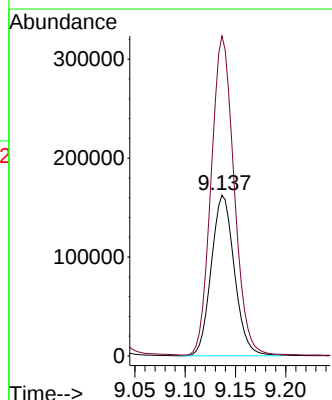
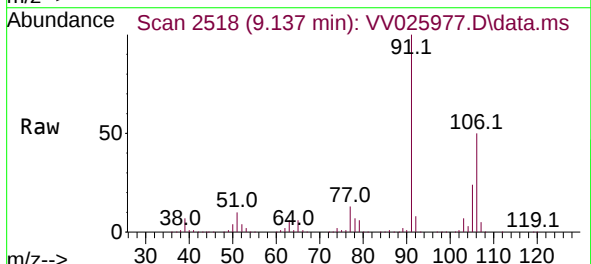
Instrument :
MSVOA_V
ClientSampleId :
VSTD050298

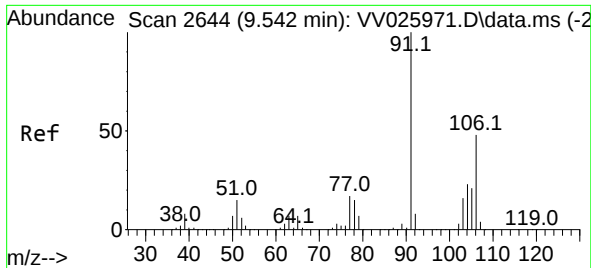
Tgt Ion: 91 Resp: 659436
Ion Ratio Lower Upper
91 100
106 31.1 21.8 40.6



#53
m,p-Xylene
Concen: 52.013 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. -0.000 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

Tgt Ion: 106 Resp: 259760
Ion Ratio Lower Upper
106 100
91 199.0 142.0 263.6

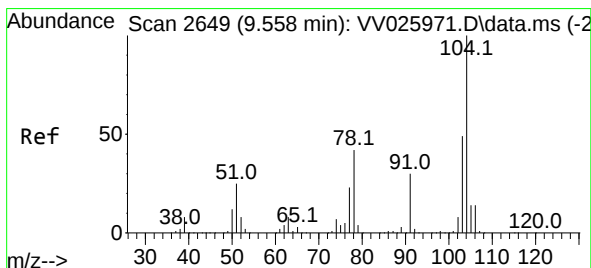
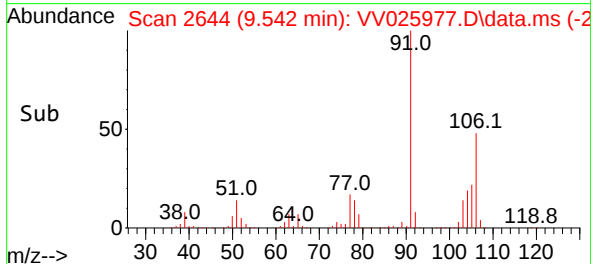
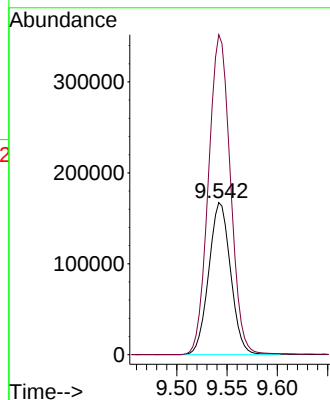
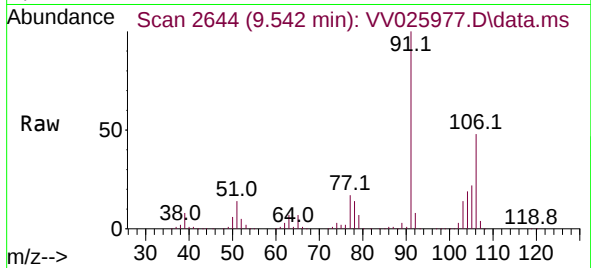




#54
o-Xylene
Concen: 51.535 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

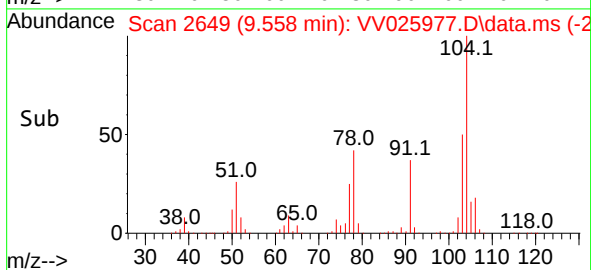
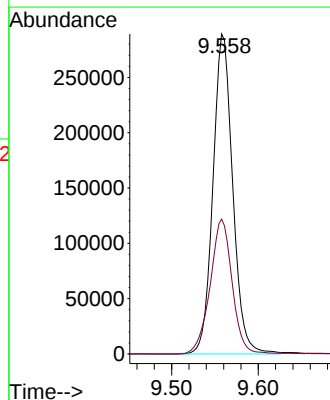
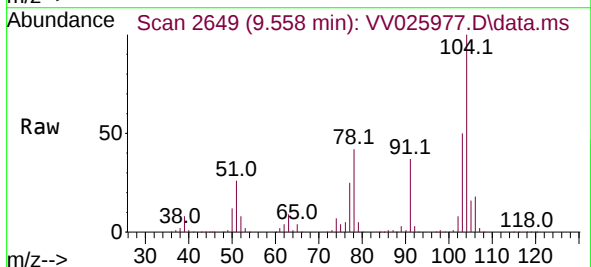
Instrument :
MSVOA_V
ClientSampleId :
VSTD050298

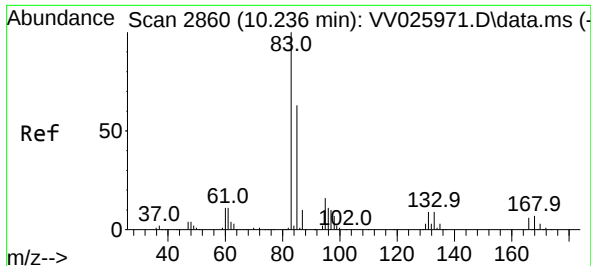
Tgt Ion:106 Resp: 252826
Ion Ratio Lower Upper
106 100
91 210.3 147.4 273.8



#55
Styrene
Concen: 53.702 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. -0.000 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

Tgt Ion:104 Resp: 459056
Ion Ratio Lower Upper
104 100
78 42.2 29.8 55.3





#57

1,1,2,2-Tetrachloroethane

Concen: 56.218 ug/L

RT: 10.239 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050298

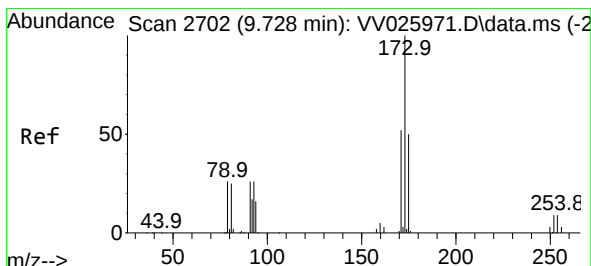
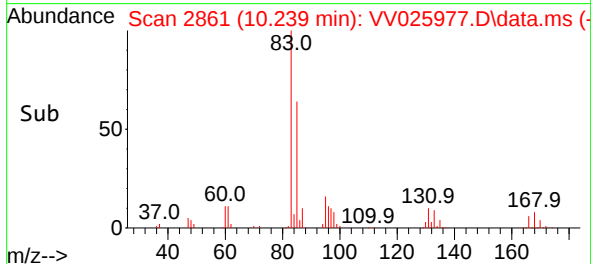
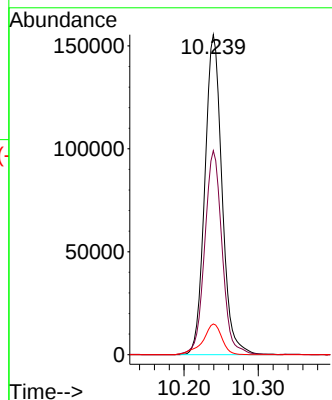
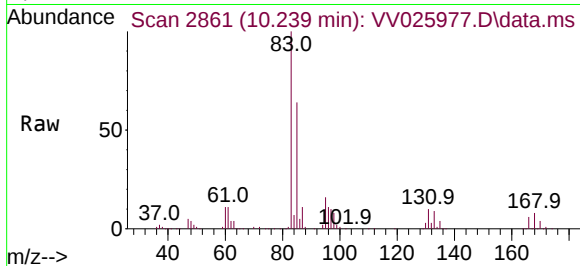
Tgt Ion: 83 Resp: 249072

Ion Ratio Lower Upper

83 100

85 63.7 44.7 82.9

131 9.6 7.5 11.3



#59

Bromoform

Concen: 44.986 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. -0.000 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

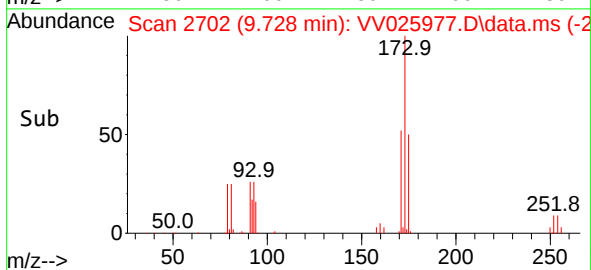
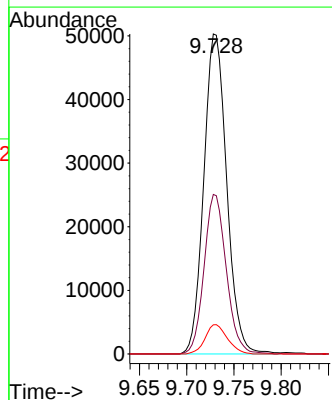
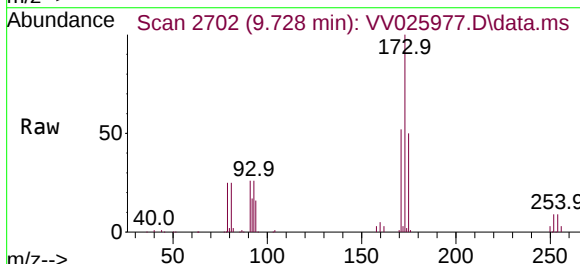
Tgt Ion: 173 Resp: 84888

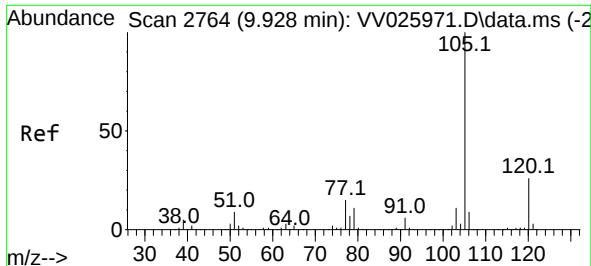
Ion Ratio Lower Upper

173 100

175 48.2 38.1 57.1

254 8.9 7.0 10.6

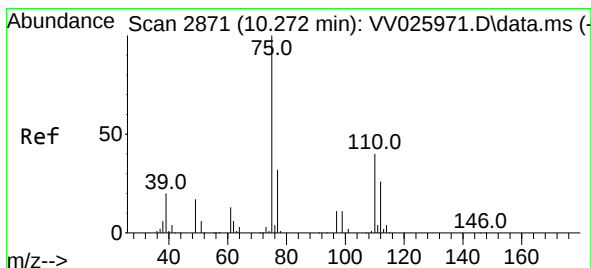
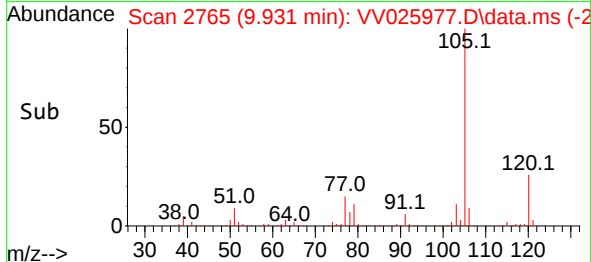
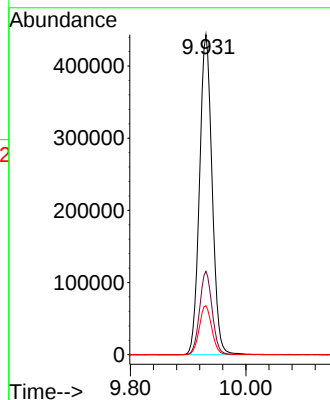
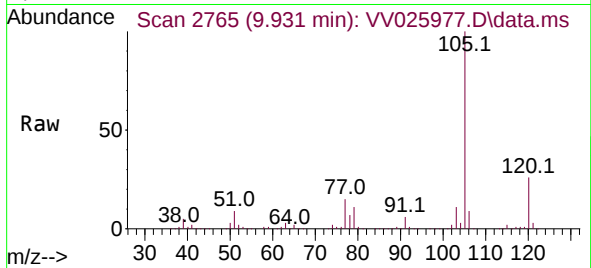




#60
Isopropylbenzene
Concen: 51.080 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.003 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

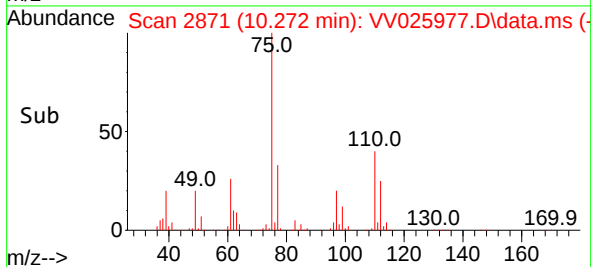
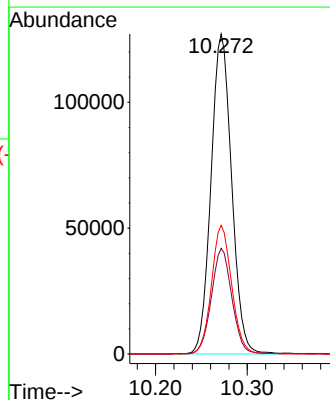
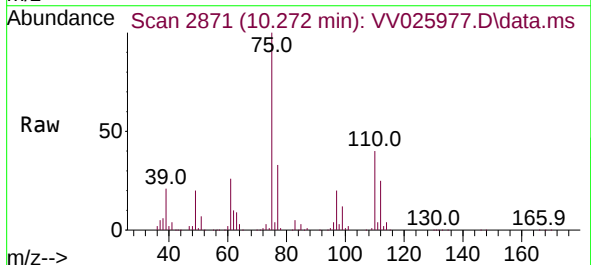
Instrument :
MSVOA_V
ClientSampleId :
VSTD050298

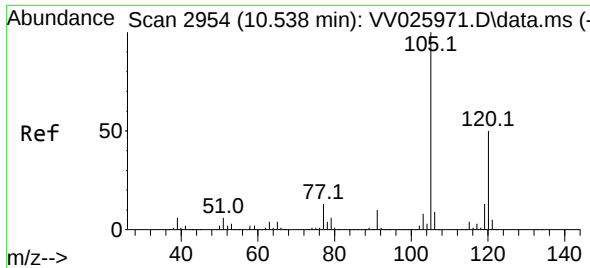
Tgt Ion:105 Resp: 669292
Ion Ratio Lower Upper
105 100
120 25.9 21.0 31.6
77 15.3 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 51.263 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. -0.000 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

Tgt Ion: 75 Resp: 198481
Ion Ratio Lower Upper
75 100
77 32.7 25.3 37.9
110 39.4 32.3 48.5

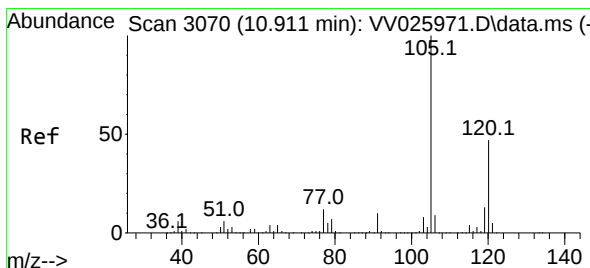
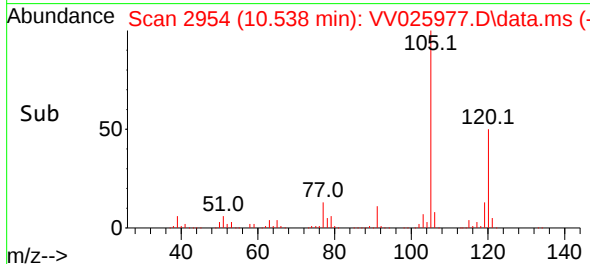
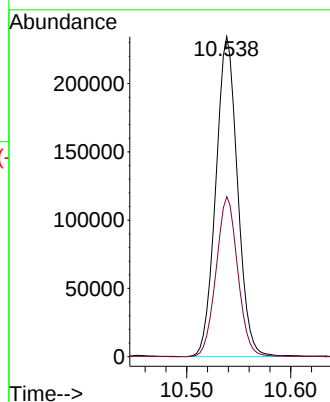
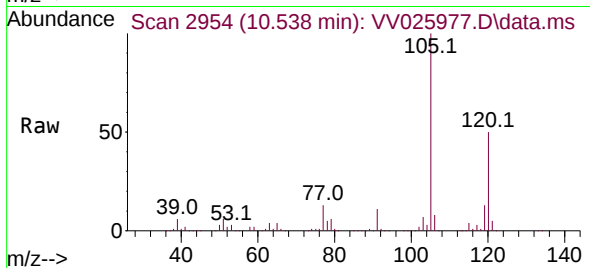




#62
 1,3,5-Trimethylbenzene
 Concen: 50.400 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. -0.000 min
 Lab File: VV025977.D
 Acq: 27 May 2022 14:33

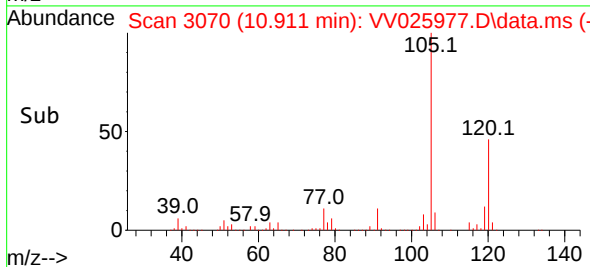
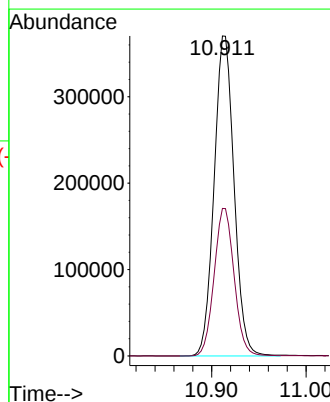
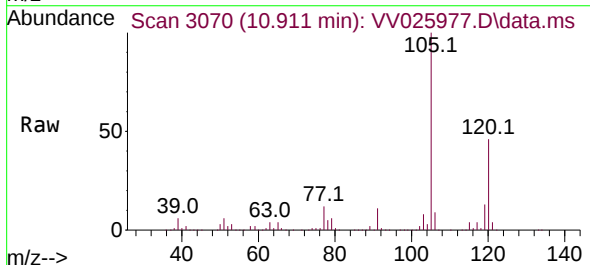
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050298

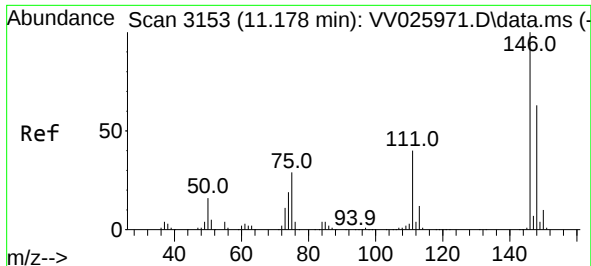
Tgt Ion:105 Resp: 340394
 Ion Ratio Lower Upper
 105 100
 120 49.9 39.4 59.2



#63
 1,2,4-Trimethylbenzene
 Concen: 51.766 ug/L
 RT: 10.911 min Scan# 3070
 Delta R.T. -0.000 min
 Lab File: VV025977.D
 Acq: 27 May 2022 14:33

Tgt Ion:105 Resp: 542451
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.6 55.0

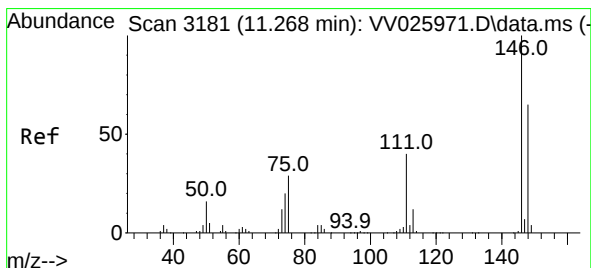
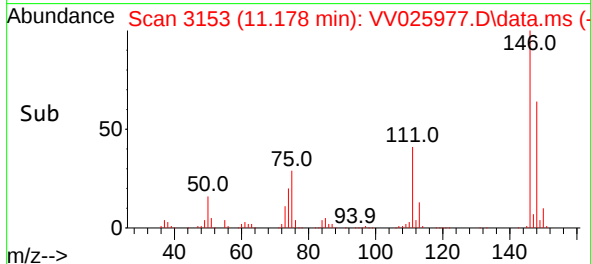
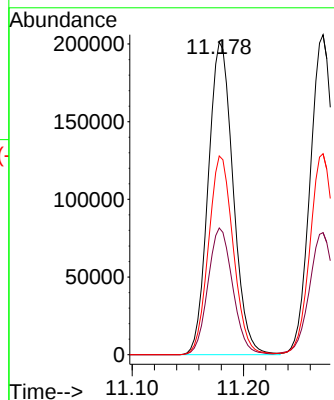
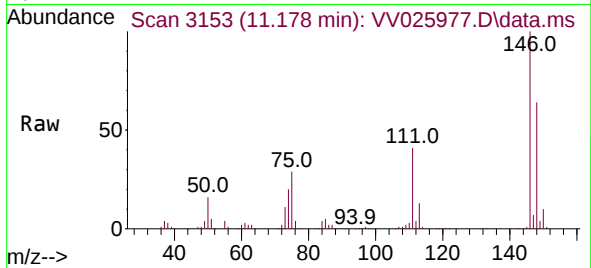




#64
1,3-Dichlorobenzene
Concen: 50.401 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

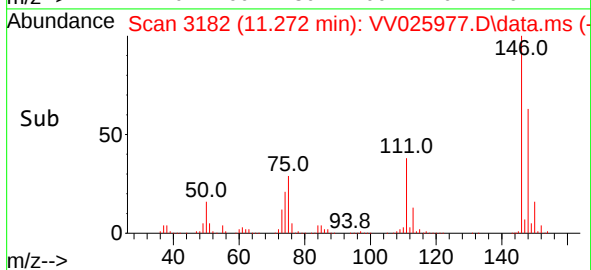
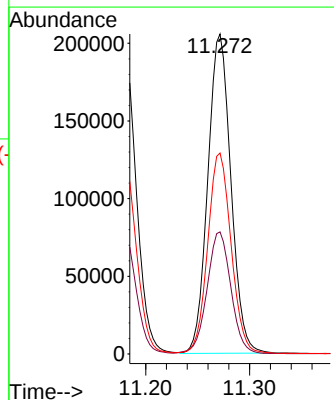
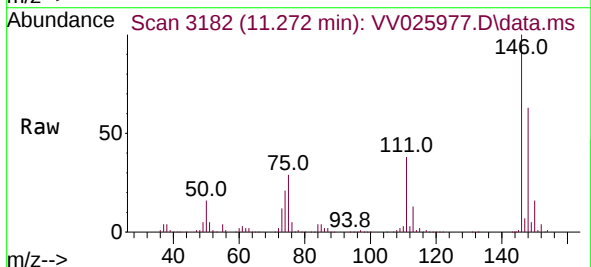
Instrument :
MSVOA_V
ClientSampleId :
VSTD050298

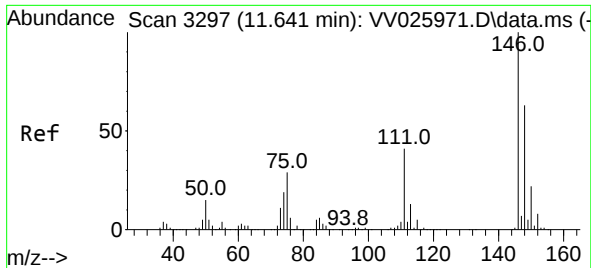
Tgt Ion:146 Resp: 312597
Ion Ratio Lower Upper
146 100
111 40.5 28.1 52.1
148 63.6 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 48.756 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

Tgt Ion:146 Resp: 316904
Ion Ratio Lower Upper
146 100
111 38.1 26.7 49.7
148 62.8 44.2 82.2

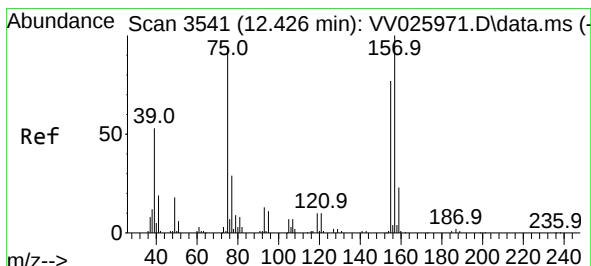
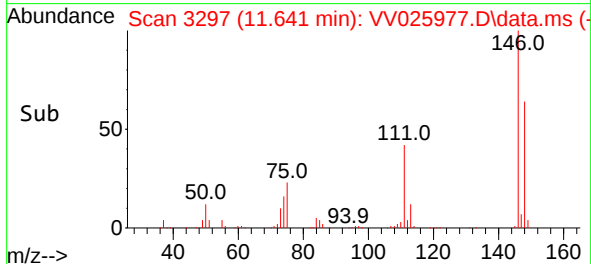
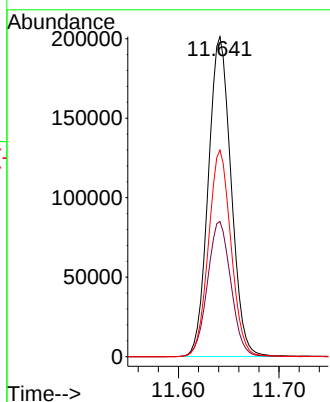
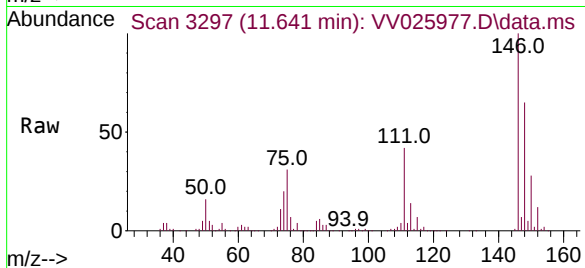




#67
1,2-Dichlorobenzene
Concen: 49.423 ug/L
RT: 11.641 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

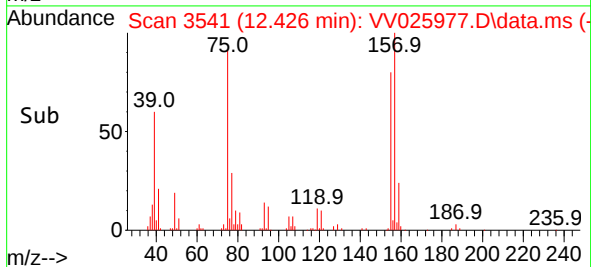
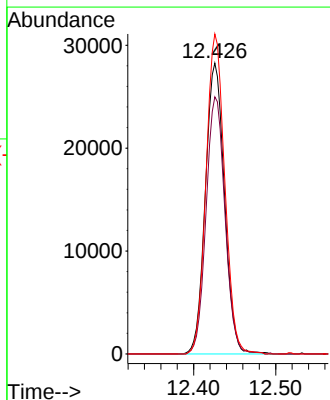
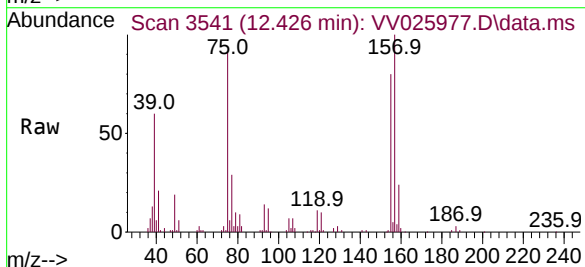
Instrument :
MSVOA_V
ClientSampleId :
VSTD050298

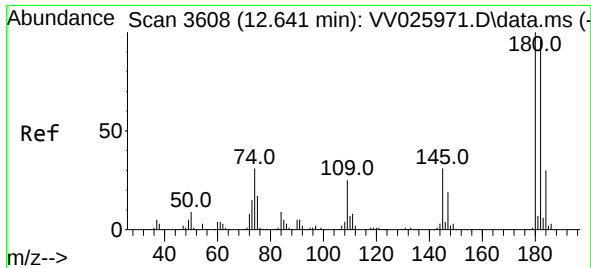
Tgt Ion:146 Resp: 317057
Ion Ratio Lower Upper
146 100
111 42.2 33.7 50.5
148 64.6 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 51.296 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. -0.000 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

Tgt Ion: 75 Resp: 45853
Ion Ratio Lower Upper
75 100
155 88.4 66.8 100.2
157 110.0 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 49.754 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.003 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050298

Tgt Ion:180 Resp: 213068

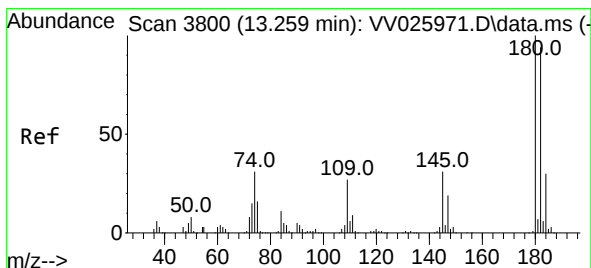
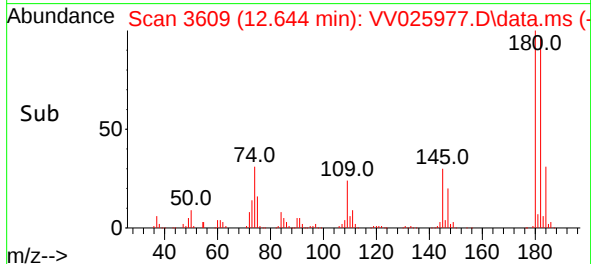
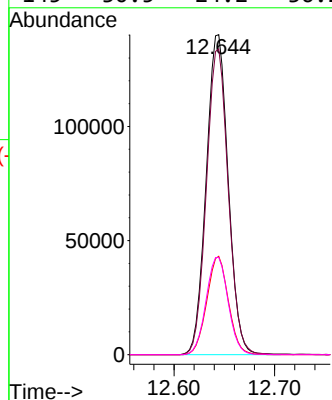
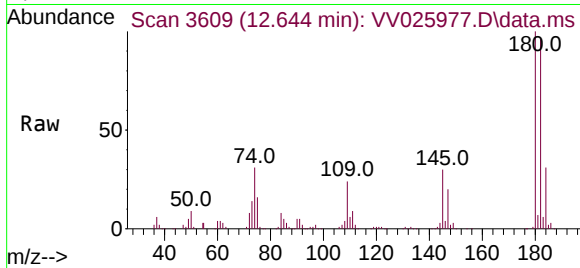
Ion Ratio Lower Upper

180 100

182 94.8 75.1 112.7

184 30.3 23.6 35.4

145 30.5 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 49.968 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV025977.D

Acq: 27 May 2022 14:33

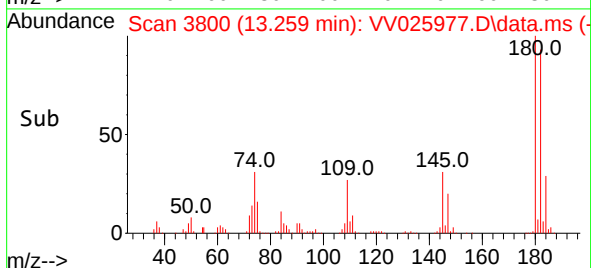
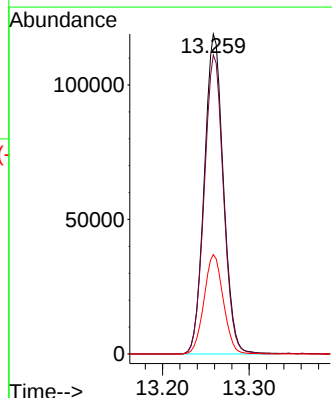
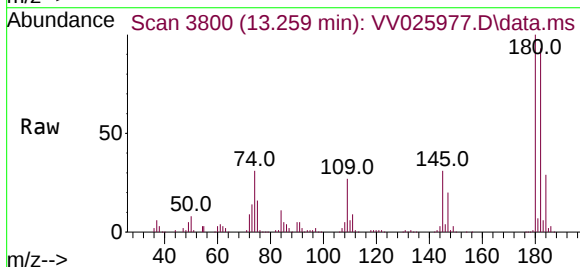
Tgt Ion:180 Resp: 182218

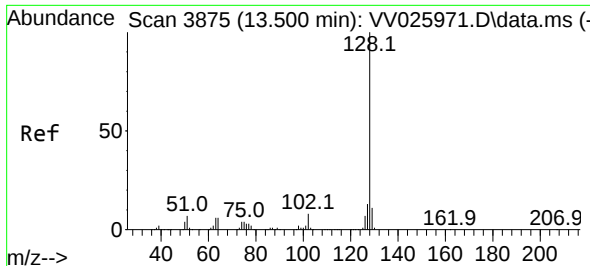
Ion Ratio Lower Upper

180 100

182 94.1 74.8 112.2

145 31.3 24.8 37.2

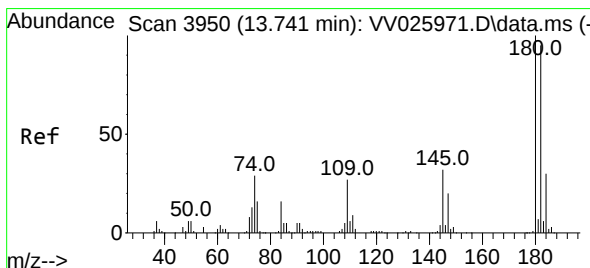
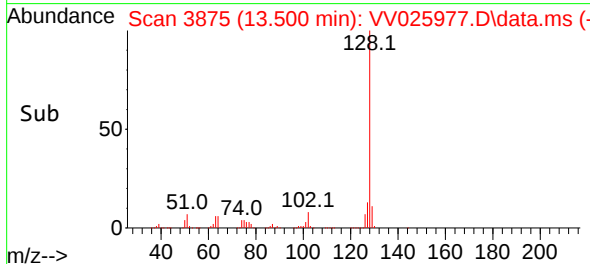
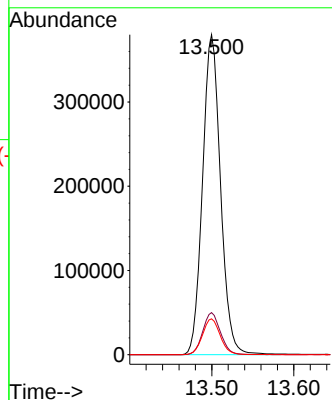
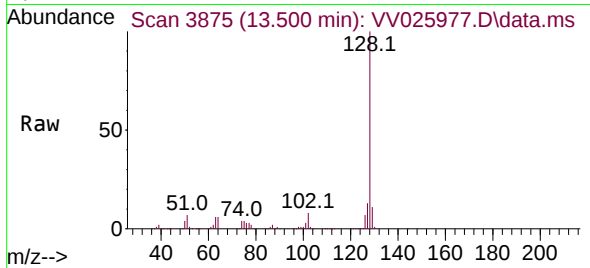




#71
Naphthalene
Concen: 53.552 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. -0.000 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD050298

Tgt Ion:128 Resp: 578351
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 52.349 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. -0.000 min
Lab File: VV025977.D
Acq: 27 May 2022 14:33

Tgt Ion:180 Resp: 194535
Ion Ratio Lower Upper
180 100
182 94.2 75.8 113.8
145 33.6 26.3 39.5

