

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102022\
 Data File : VW028648.D
 Acq On : 20 Oct 2022 20:37
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005330

Quant Time: Oct 21 01:14:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 21 00:53:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.603	114	204003	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	142527	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	71223	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	105273	5.212	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 104.200%	
7) Chloroethane-d5	1.558	69	82169	5.176	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 103.600%	
11) 1,1-Dichloroethene-d2	2.095	63	185494	5.285	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 105.600%	
20) 2-Butanone-d5	3.947	46	210040	55.253	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 110.500%	
24) Chloroform-d	4.333	84	164414	5.488	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 109.800%	
26) 1,2-Dichloroethane-d4	5.024	65	82329	5.074	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 101.400%	
32) Benzene-d6	5.031	84	331863	5.352	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 107.000%	
36) 1,2-Dichloropropane-d6	6.056	67	122831	6.317	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 126.400%	
41) Toluene-d8	7.301	98	217673	4.853	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 97.000%	
43) trans-1,3-Dichloroprop...	7.613	79	20110	4.260	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 85.200%	
46) 2-Hexanone-d5	8.104	63	103757	52.938	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 105.880%	
56) 1,1,2,2-Tetrachloroeth...	10.211	84	51543	5.612	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 112.200%	
66) 1,2-Dichlorobenzene-d4	11.616	152	67093	5.241	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 104.800%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.124	85	50325	5.079	ug/L	97
3) Chloromethane	1.230	50	96943	4.897	ug/L	97
5) Vinyl chloride	1.301	62	95150	4.976	ug/L	96
6) Bromomethane	1.513	94	44409	4.781	ug/L	99
8) Chloroethane	1.574	64	61478	4.779	ug/L	97
9) Trichlorofluoromethane	1.741	101	120891	5.166	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	72977	5.211	ug/L	100
12) 1,1-Dichloroethene	2.105	96	65273	4.956	ug/L	95
13) Acetone	2.240	43	116106	47.645	ug/L	70
14) Carbon disulfide	2.278	76	146516	4.644	ug/L	99
15) Methyl Acetate	2.449	43	33777	4.659	ug/L #	90
16) Methylene chloride	2.494	84	84178	4.436	ug/L	98
17) Methyl tert-butyl Ether	2.770	73	181746	5.048	ug/L	99
18) trans-1,2-Dichloroethene	2.745	96	70333	4.903	ug/L	98
19) 1,1-Dichloroethane	3.175	63	169868	5.072	ug/L	97
21) 2-Butanone	4.031	43	228265	53.004	ug/L #	77
22) cis-1,2-Dichloroethene	3.896	96	82739	5.015	ug/L #	92
23) Bromochloromethane	4.233	128	29627	4.909	ug/L	99
25) Chloroform	4.362	83	157545	4.958	ug/L	97

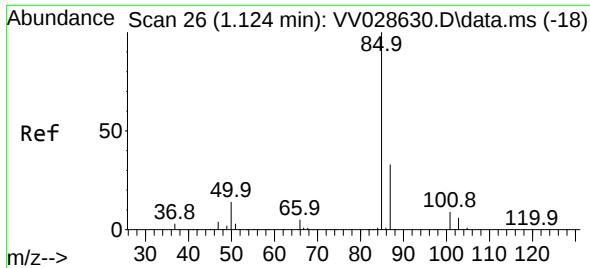
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102022\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 21 00:53:32 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.121	62	96910	4.874	ug/L	99
29) 1,1,1-Trichloroethane	4.587	97	123843	5.043	ug/L	99
30) Cyclohexane	4.648	56	143756	5.343	ug/L	98
31) Carbon tetrachloride	4.802	117	93360	5.148	ug/L	99
33) Benzene	5.079	78	340164	5.087	ug/L	100
34) Trichloroethene	5.892	95	84292	5.462	ug/L	98
35) Methylcyclohexane	6.101	83	137396	5.672	ug/L	98
37) 1,2-Dichloropropane	6.159	63	95547	5.339	ug/L	99
38) Bromodichloromethane	6.494	83	85029	4.947	ug/L	96
39) cis-1,3-Dichloropropene	7.014	75	74303	4.009	ug/L	100
40) 4-Methyl-2-pentanone	7.246	43	395770	45.668	ug/L	99
42) Toluene	7.371	91	259898	4.694	ug/L	100
44) trans-1,3-Dichloropropene	7.641	75	55303	4.222	ug/L	100
45) 1,1,2-Trichloroethane	7.834	97	41379	4.905	ug/L	96
47) Tetrachloroethene	7.960	164	40033	4.804	ug/L	95
48) 2-Hexanone	8.156	43	274618	50.590	ug/L	99
49) Dibromochloromethane	8.236	129	37404	4.784	ug/L	95
50) 1,2-Dibromoethane	8.346	107	35783	4.955	ug/L	98
51) Chlorobenzene	8.873	112	159466	4.926	ug/L	100
52) Ethylbenzene	9.002	91	281302	4.914	ug/L	98
53) m,p-Xylene	9.127	106	103765	4.961	ug/L	98
54) o-Xylene	9.532	106	103290	4.979	ug/L	97
55) Styrene	9.551	104	179594	5.078	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.236	83	51748	5.210	ug/L	98
59) Bromoform	9.725	173	16153	4.593	ug/L	100
60) Isopropylbenzene	9.921	105	281278	4.725	ug/L	99
61) 1,2,3-Trichloropropane	10.268	75	37200	4.820	ug/L	98
62) 1,3,5-Trimethylbenzene	10.529	105	78957	4.618	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	223170	4.847	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	122920	5.217	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	120188	5.051	ug/L	99
67) 1,2-Dichlorobenzene	11.635	146	111708	5.098	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.419	75	5982	4.421	ug/L	92
69) 1,3,5-Trichlorobenzene	12.635	180	86774	5.171	ug/L	98
70) 1,2,4-trichlorobenzene	13.249	180	64922	4.910	ug/L	96
71) Naphthalene	13.490	128	94945	4.247	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	57293	4.959	ug/L	98

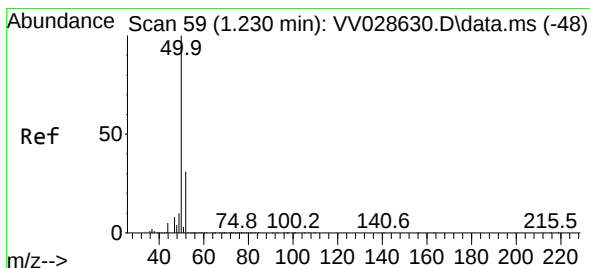
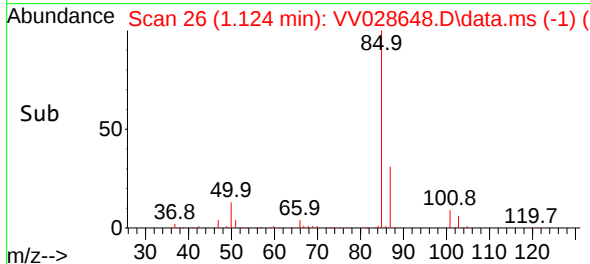
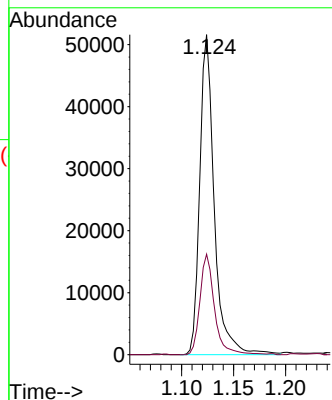
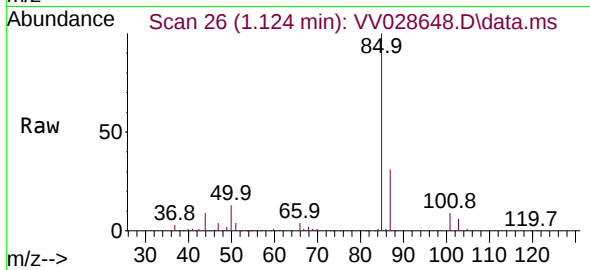
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.079 ug/L
 RT: 1.124 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV028648.D
 Acq: 20 Oct 2022 20:37

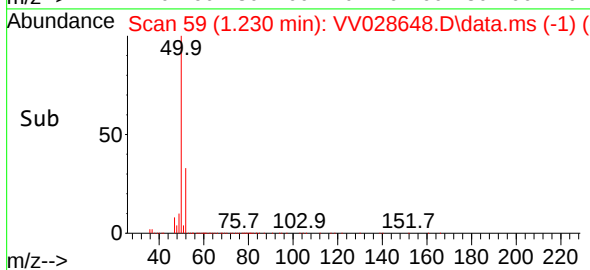
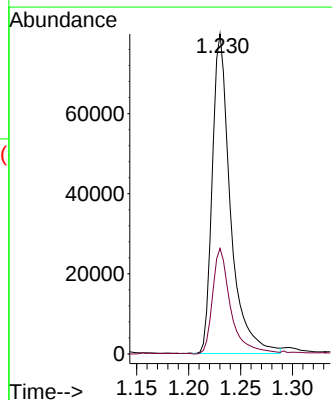
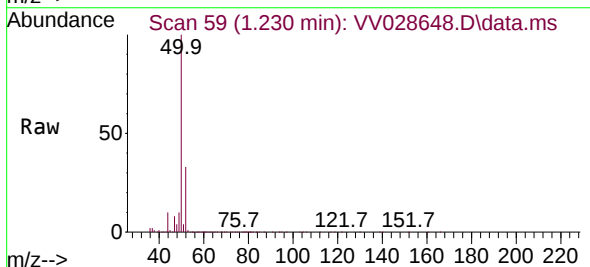
Instrument :
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 ClientSampleId :
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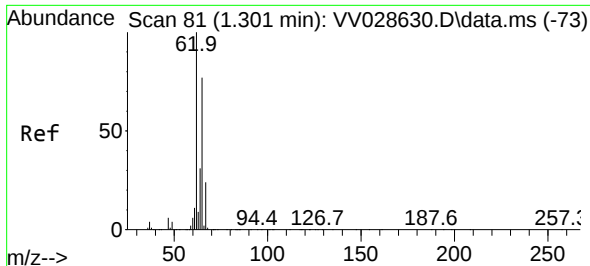
Tgt Ion: 85 Resp: 50325
 Ion Ratio Lower Upper
 85 100
 87 31.4 26.6 40.0



#3
 Chloromethane
 Concen: 4.897 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VV028648.D
 Acq: 20 Oct 2022 20:37

Tgt Ion: 50 Resp: 96943
 Ion Ratio Lower Upper
 50 100
 52 33.0 21.8 40.6

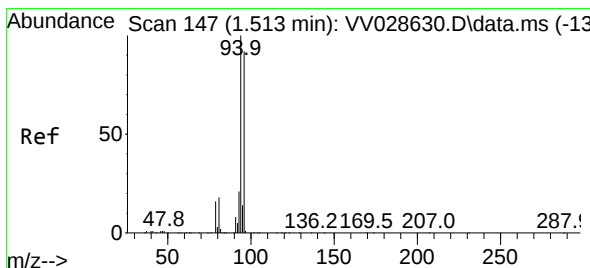
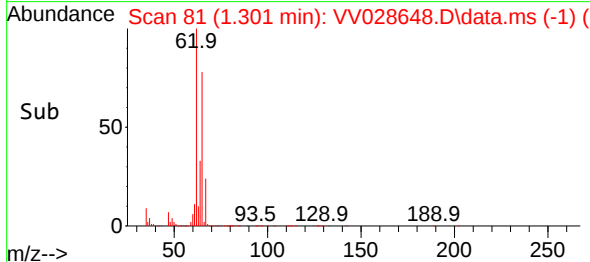
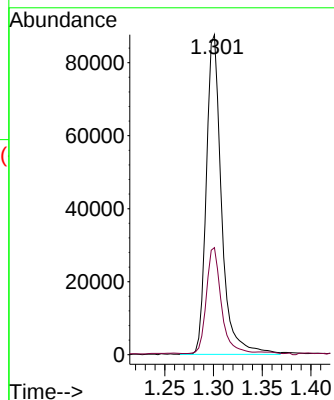
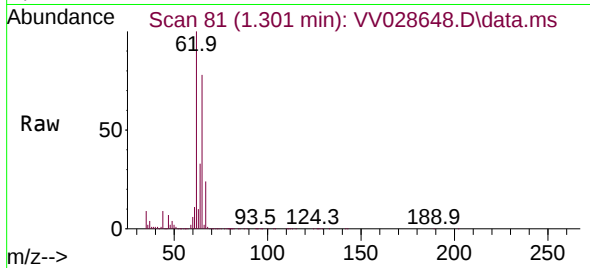




#5
 Vinyl chloride
 Concen: 4.976 ug/L
 RT: 1.301 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV028648.D
 Acq: 20 Oct 2022 20:37

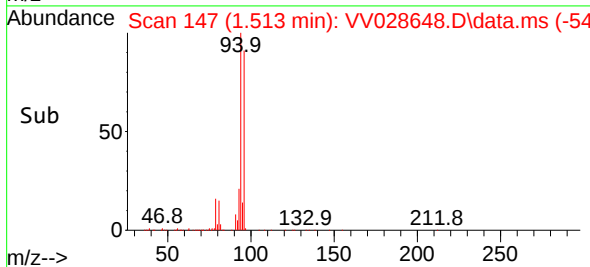
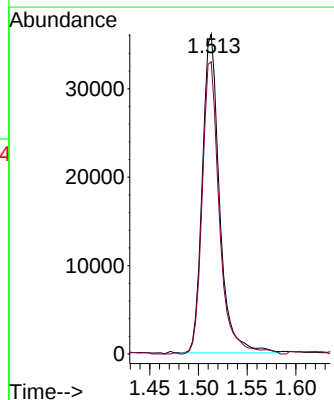
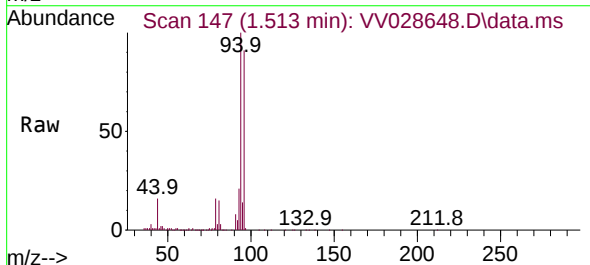
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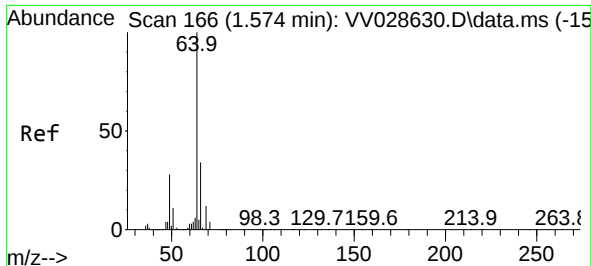
Tgt Ion: 62 Resp: 95150
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.0 41.0



#6
 Bromomethane
 Concen: 4.781 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. 0.000 min
 Lab File: VV028648.D
 Acq: 20 Oct 2022 20:37

Tgt Ion: 94 Resp: 44409
 Ion Ratio Lower Upper
 94 100
 96 91.3 64.3 119.3

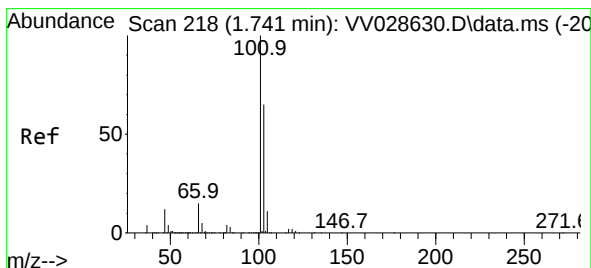
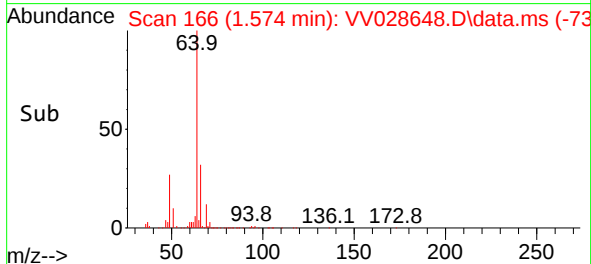
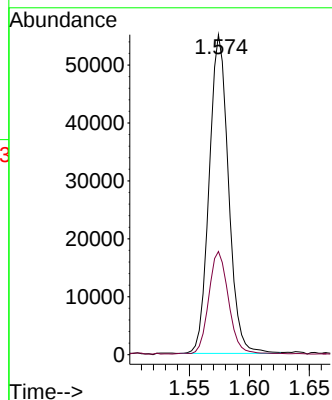
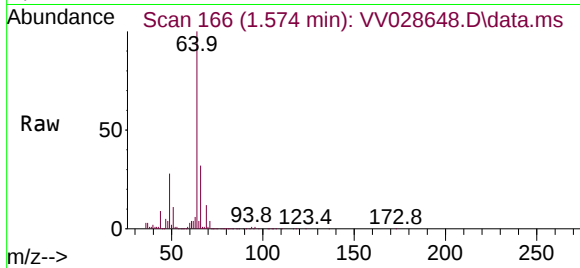




#8
Chloroethane
Concen: 4.779 ug/L
RT: 1.574 min Scan# 166
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

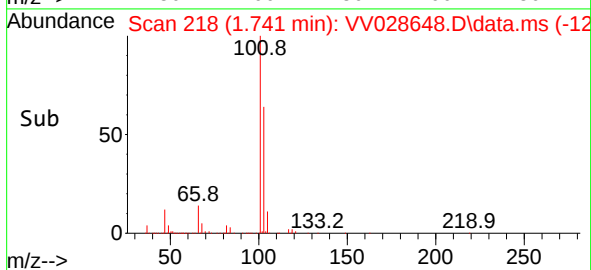
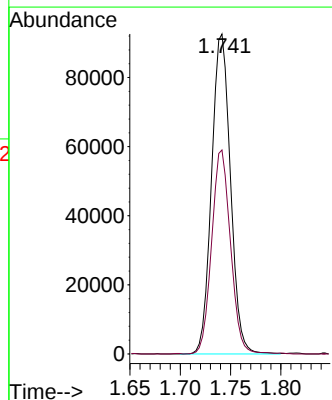
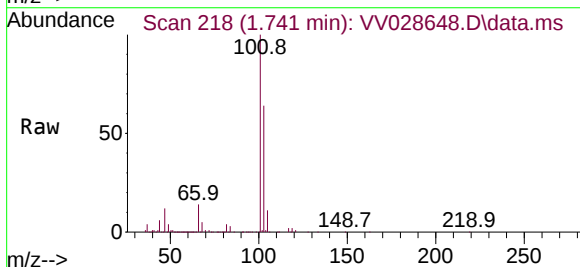
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

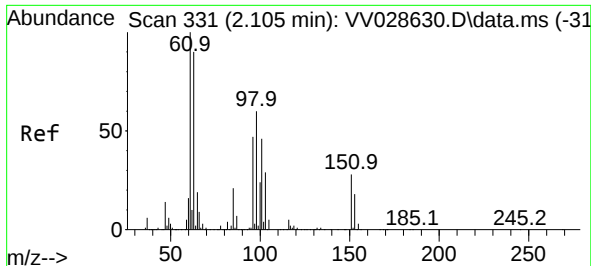
Tgt Ion: 64 Resp: 61478
Ion Ratio Lower Upper
64 100
66 32.3 23.9 44.5



#9
Trichlorofluoromethane
Concen: 5.166 ug/L
RT: 1.741 min Scan# 218
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

Tgt Ion: 101 Resp: 120891
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.6





#10

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

Concen: 5.211 ug/L

RT: 2.105 min Scan# 331

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005330

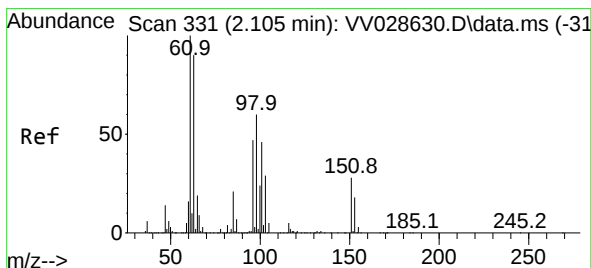
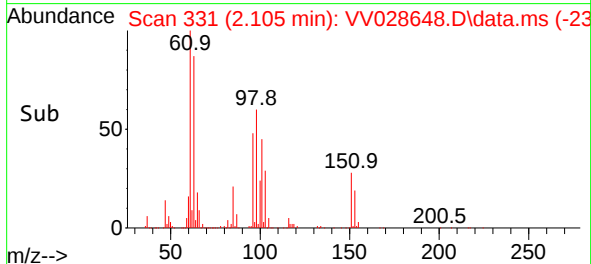
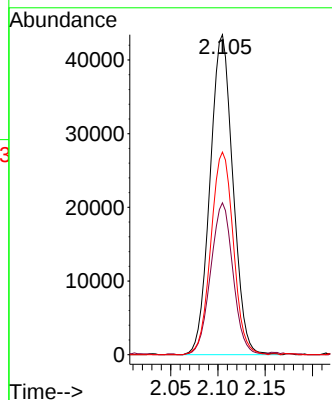
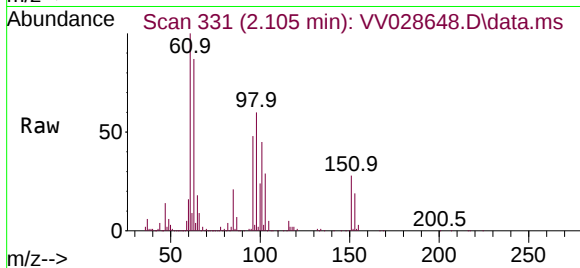
Tgt Ion:101 Resp: 72977

Ion Ratio Lower Upper

101 100

85 46.4 37.0 55.6

151 62.3 50.2 75.2



#12

1,1-Dichloroethene

Concen: 4.956 ug/L

RT: 2.105 min Scan# 331

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

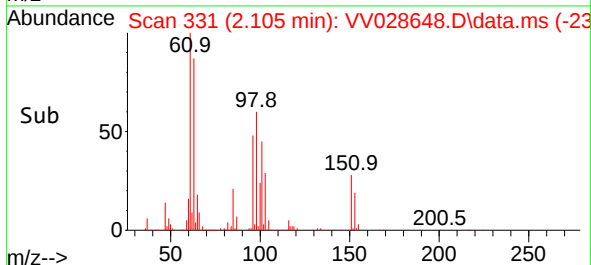
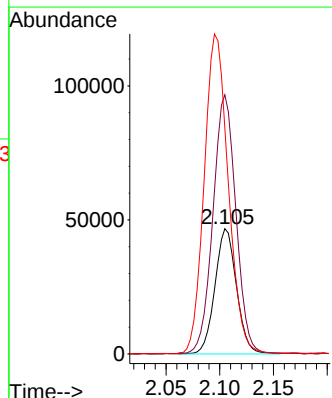
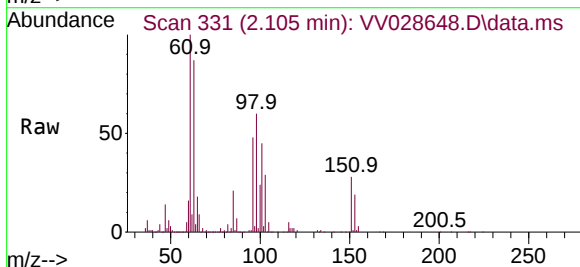
Tgt Ion: 96 Resp: 65273

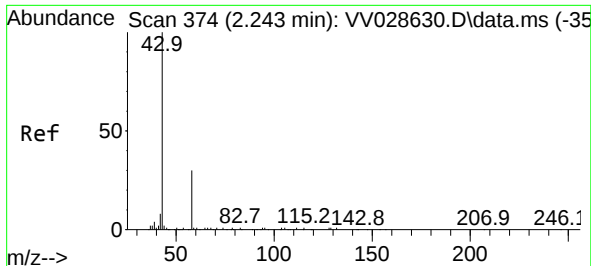
Ion Ratio Lower Upper

96 100

61 207.0 148.1 275.1

63 180.5 133.3 247.7

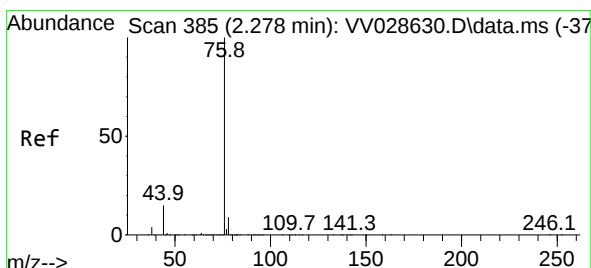
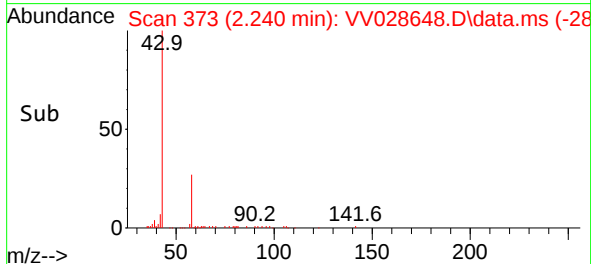
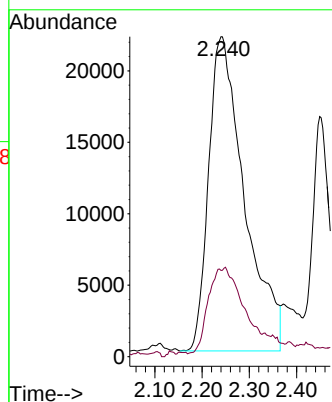
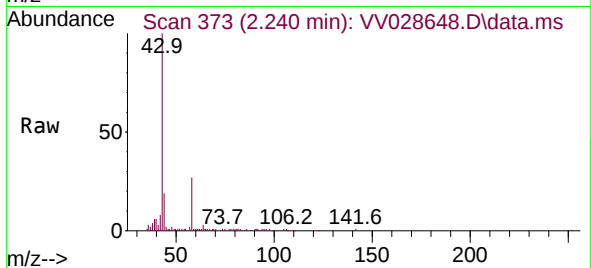




#13
Acetone
Concen: 47.645 ug/L
RT: 2.240 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

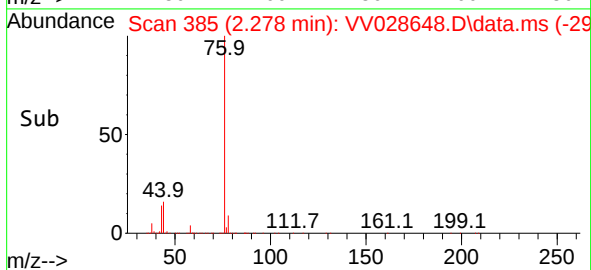
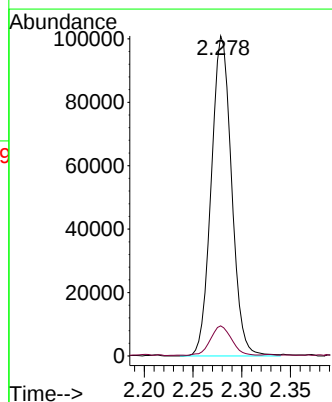
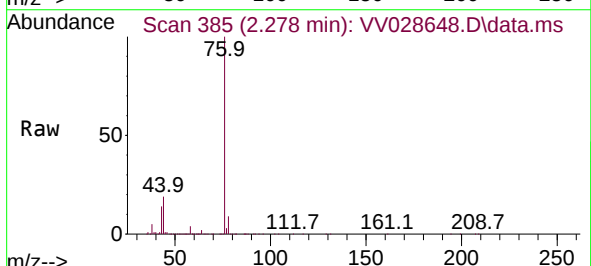
Instrument :
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VSTD005330

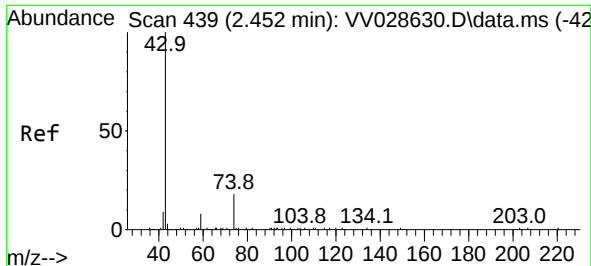
Tgt Ion: 43 Resp: 116106
Ion Ratio Lower Upper
43 100
58 10.1 0.0 50.2



#14
Carbon disulfide
Concen: 4.644 ug/L
RT: 2.278 min Scan# 385
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

Tgt Ion: 76 Resp: 146516
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7

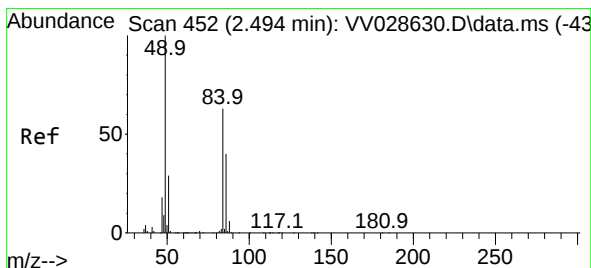
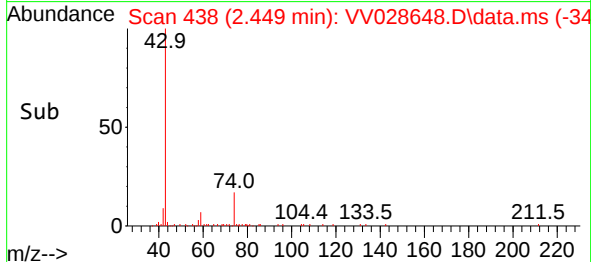
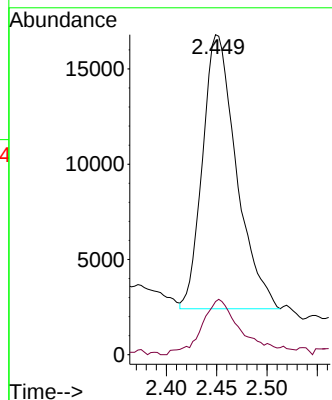
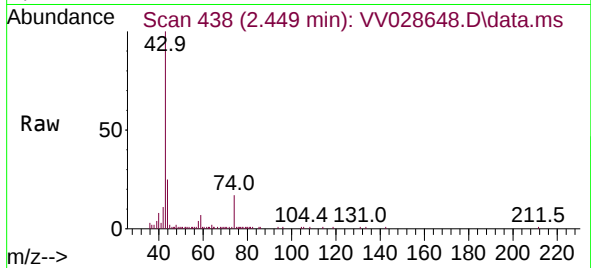




#15
Methyl Acetate
Concen: 4.659 ug/L
RT: 2.449 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

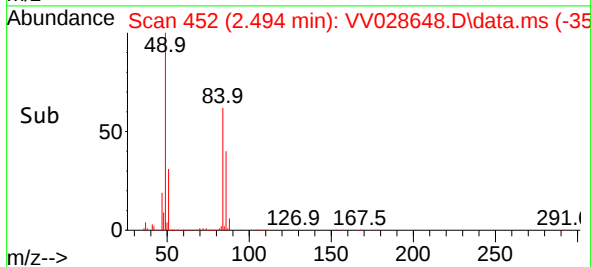
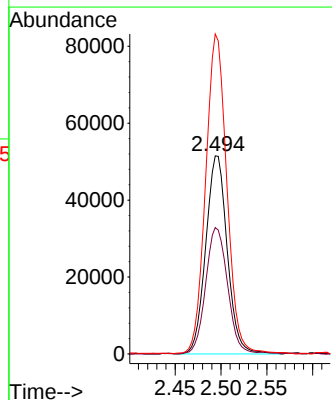
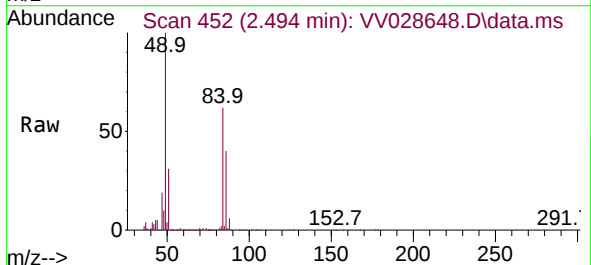
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

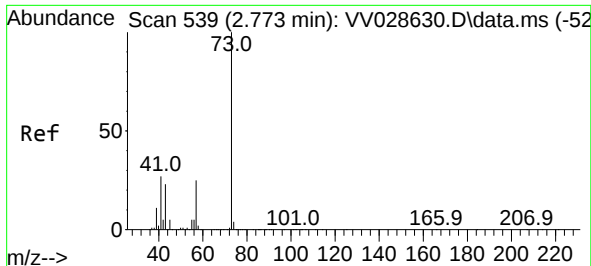
Tgt Ion: 43 Resp: 33777
Ion Ratio Lower Upper
43 100
74 23.1 14.9 22.3#



#16
Methylene chloride
Concen: 4.436 ug/L
RT: 2.494 min Scan# 452
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

Tgt Ion: 84 Resp: 84178
Ion Ratio Lower Upper
84 100
86 63.8 44.4 82.4
49 161.6 110.8 205.8

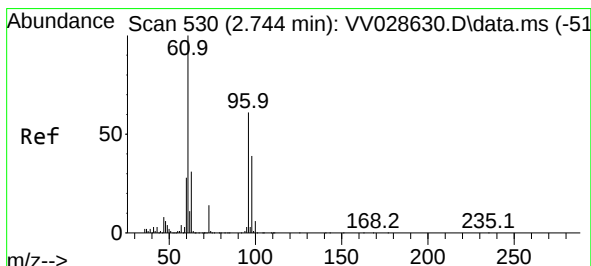
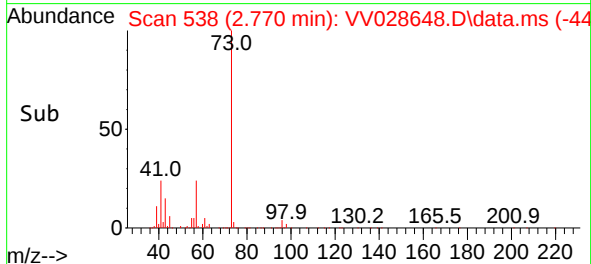
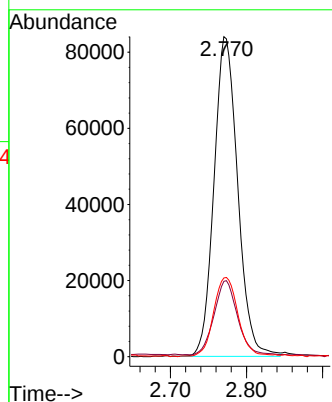
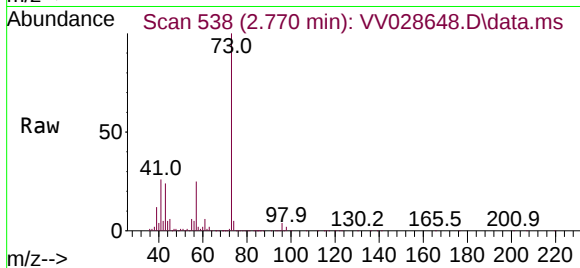




#17
Methyl tert-butyl Ether
Concen: 5.048 ug/L
RT: 2.770 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

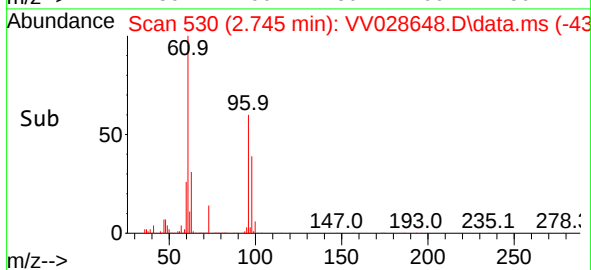
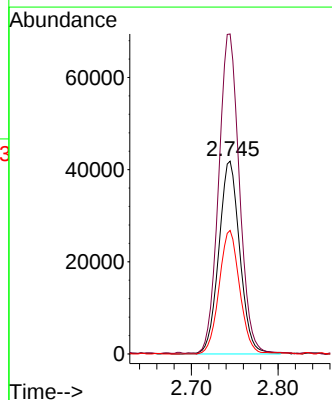
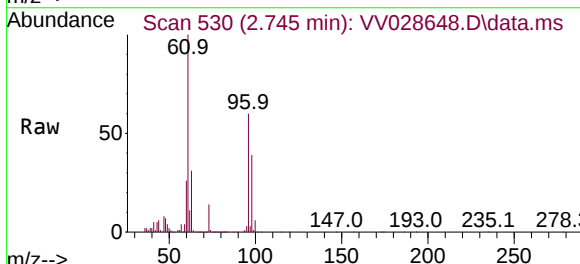
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

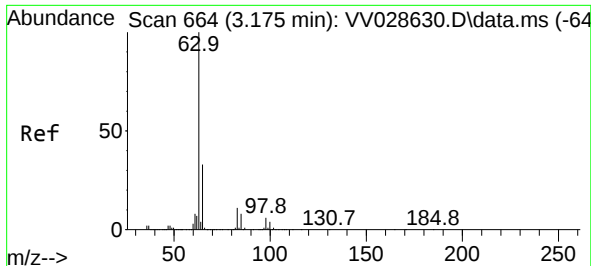
Tgt Ion: 73 Resp: 181746
Ion Ratio Lower Upper
73 100
43 23.0 18.0 27.0
57 25.8 20.0 30.0



#18
trans-1,2-Dichloroethene
Concen: 4.903 ug/L
RT: 2.745 min Scan# 530
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

Tgt Ion: 96 Resp: 70333
Ion Ratio Lower Upper
96 100
61 165.9 114.3 212.3
98 64.0 45.0 83.6





#19

1,1-Dichloroethane

Concen: 5.072 ug/L

RT: 3.175 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005330

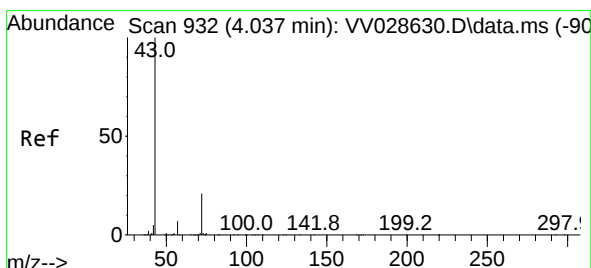
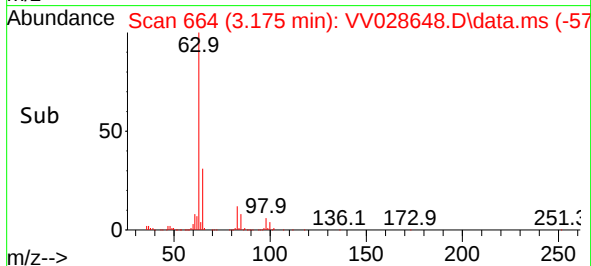
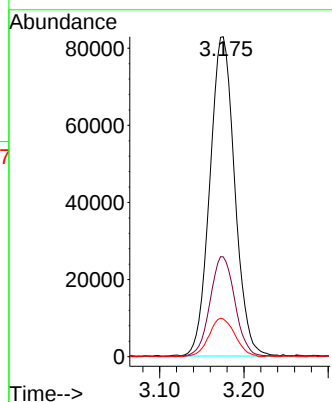
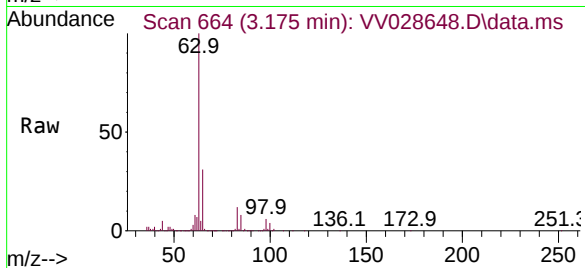
Tgt Ion: 63 Resp: 169868

Ion Ratio Lower Upper

63 100

65 31.2 23.1 42.9

83 11.8 7.9 14.7



#21

2-Butanone

Concen: 53.004 ug/L

RT: 4.031 min Scan# 930

Delta R.T. -0.006 min

Lab File: VV028648.D

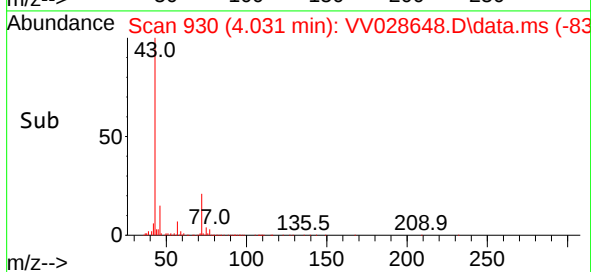
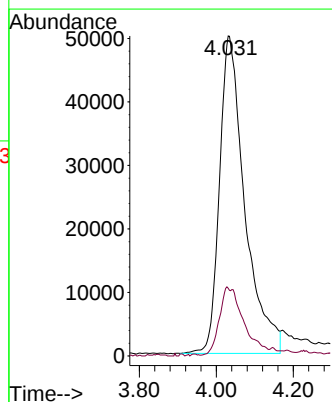
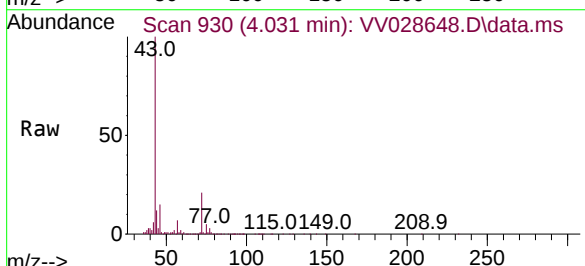
Acq: 20 Oct 2022 20:37

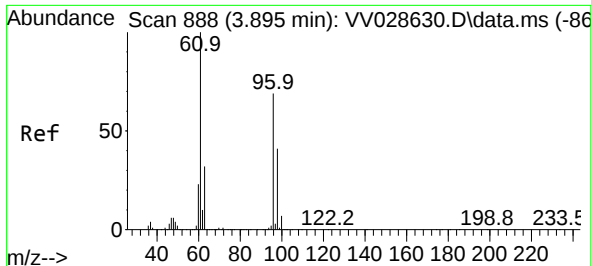
Tgt Ion: 43 Resp: 228265

Ion Ratio Lower Upper

43 100

72 9.5 10.2 30.4#

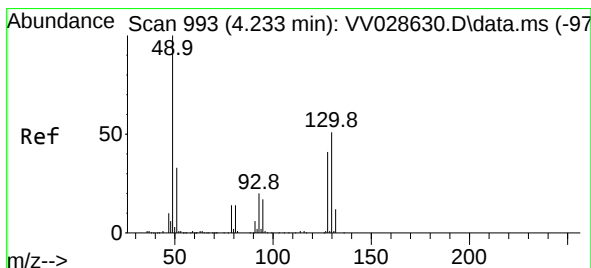
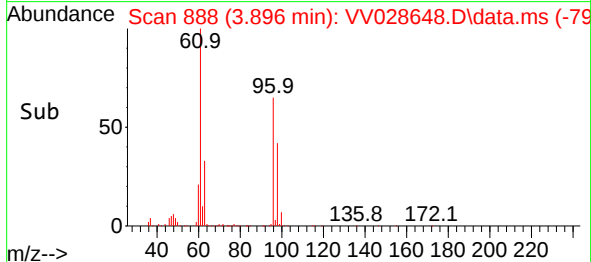
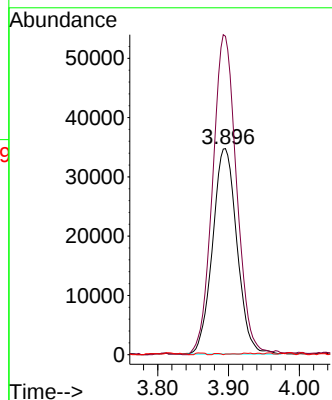
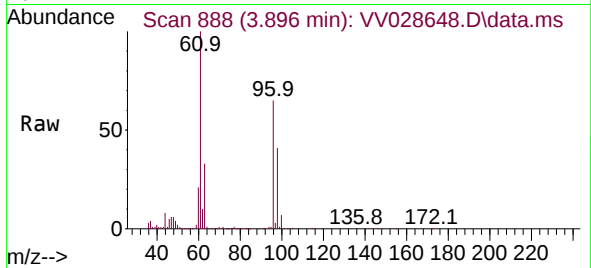




#22
 cis-1,2-Dichloroethene
 Concen: 5.015 ug/L
 RT: 3.896 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV028648.D
 Acq: 20 Oct 2022 20:37

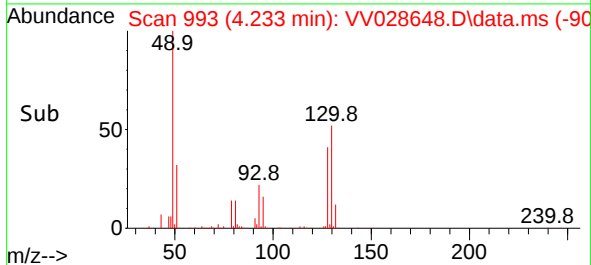
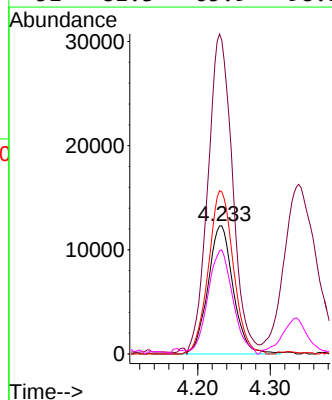
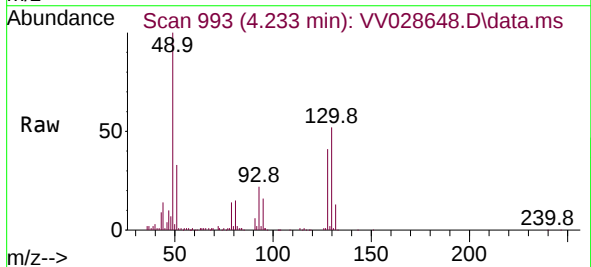
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005330

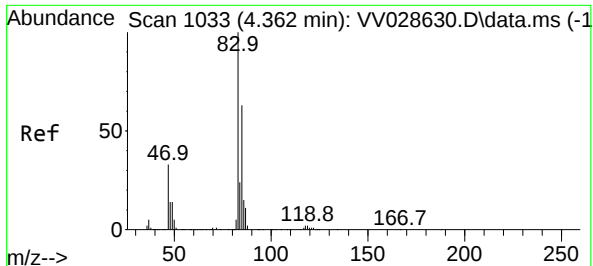
Tgt Ion: 96 Resp: 82739
 Ion Ratio Lower Upper
 96 100
 61 154.5 101.4 188.2
 68 0.3 0.5 0.9#



#23
 Bromochloromethane
 Concen: 4.909 ug/L
 RT: 4.233 min Scan# 993
 Delta R.T. 0.000 min
 Lab File: VV028648.D
 Acq: 20 Oct 2022 20:37

Tgt Ion: 128 Resp: 29627
 Ion Ratio Lower Upper
 128 100
 49 245.0 171.1 317.7
 130 126.7 86.4 160.4
 51 81.3 65.9 98.9





#25

Chloroform

Concen: 4.958 ug/L

RT: 4.362 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

Instrument :

MSVOA_V

ClientSampleId :

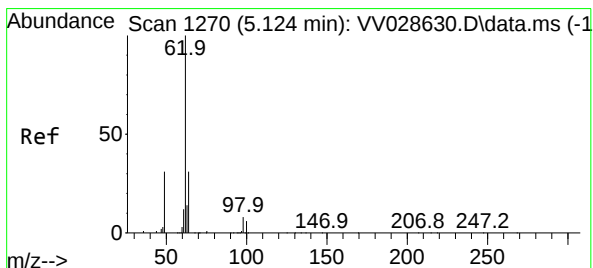
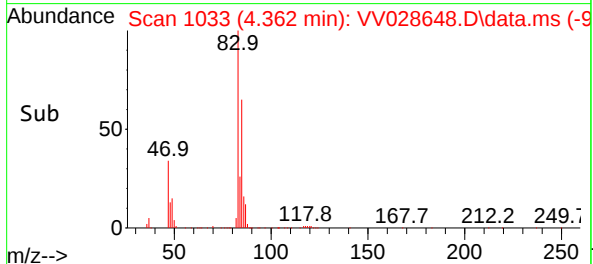
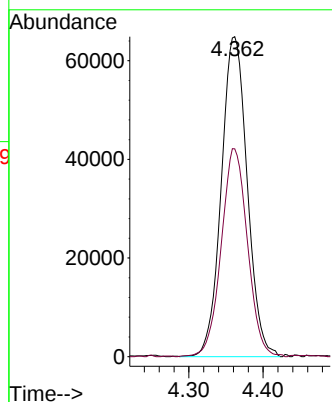
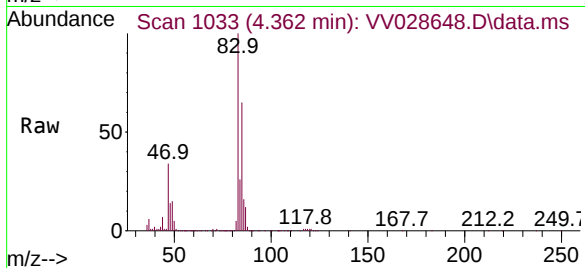
VSTD005330

Tgt Ion: 83 Resp: 157545

Ion Ratio Lower Upper

83 100

85 65.0 44.1 81.9



#27

1,2-Dichloroethane

Concen: 4.874 ug/L

RT: 5.121 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VV028648.D

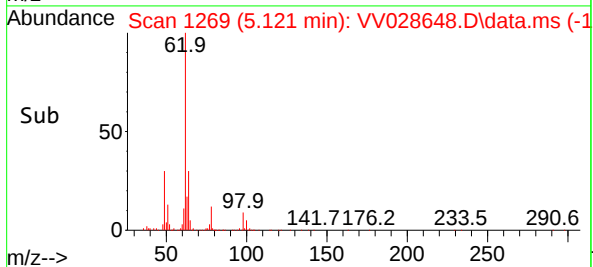
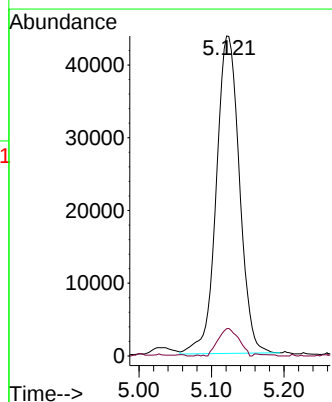
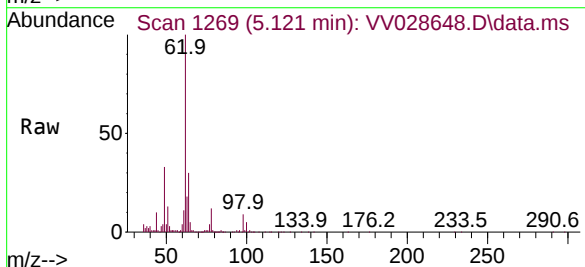
Acq: 20 Oct 2022 20:37

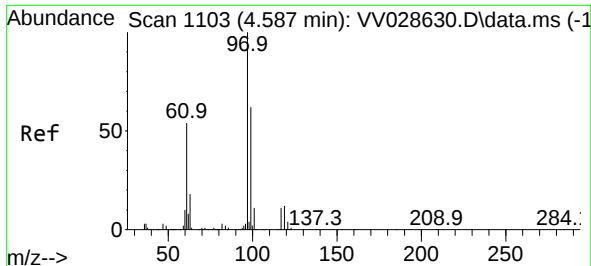
Tgt Ion: 62 Resp: 96910

Ion Ratio Lower Upper

62 100

98 8.5 6.6 9.8





#29

1,1,1-Trichloroethane

Concen: 5.043 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005330

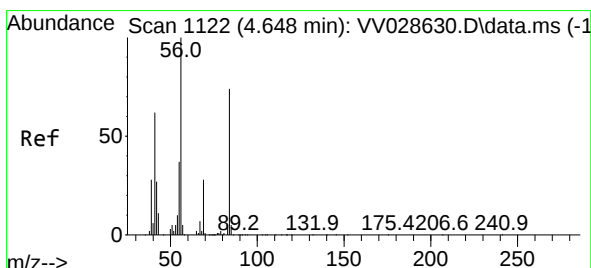
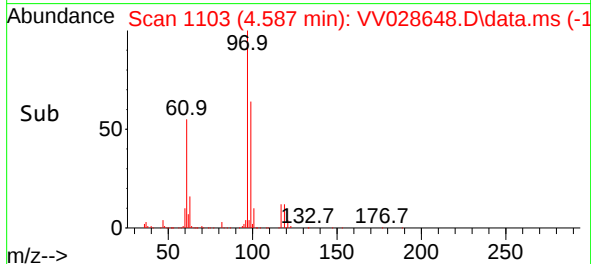
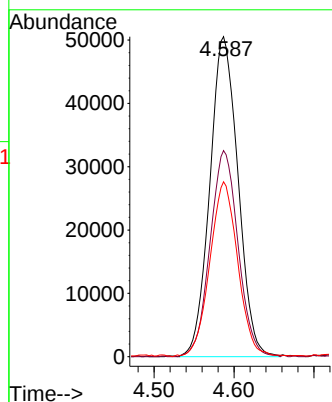
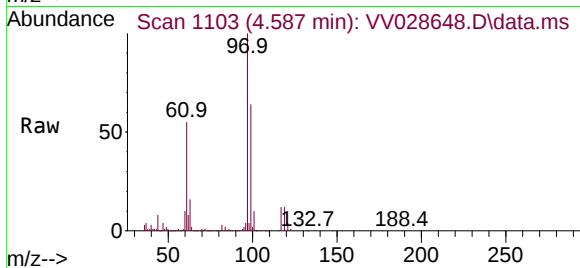
Tgt Ion: 97 Resp: 123843

Ion Ratio Lower Upper

97 100

99 64.0 50.5 75.7

61 54.4 43.1 64.7



#30

Cyclohexane

Concen: 5.343 ug/L

RT: 4.648 min Scan# 1122

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

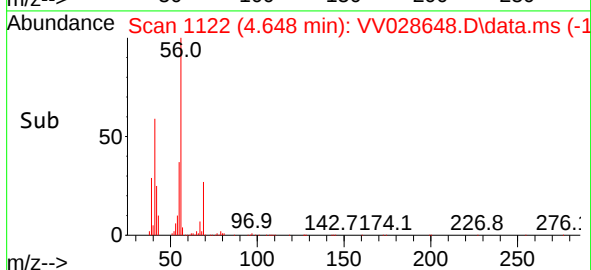
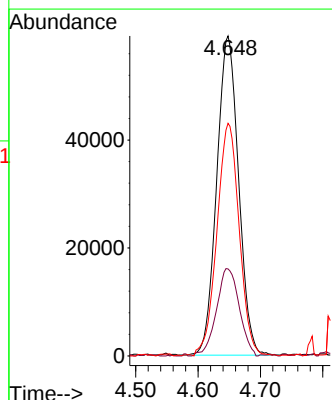
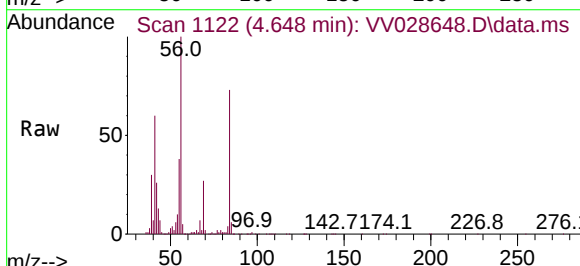
Tgt Ion: 56 Resp: 143756

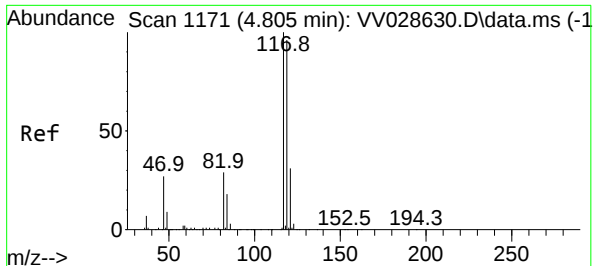
Ion Ratio Lower Upper

56 100

69 28.6 22.6 34.0

84 73.8 60.4 90.6

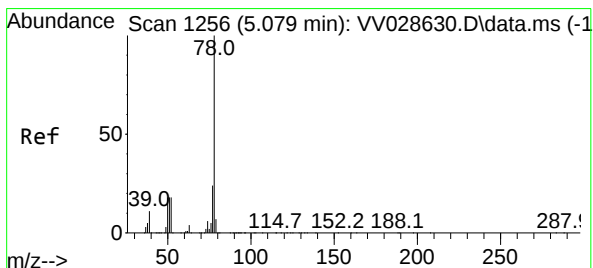
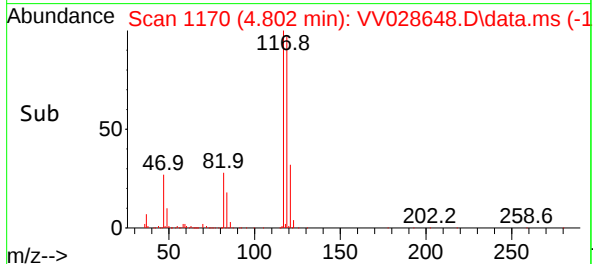
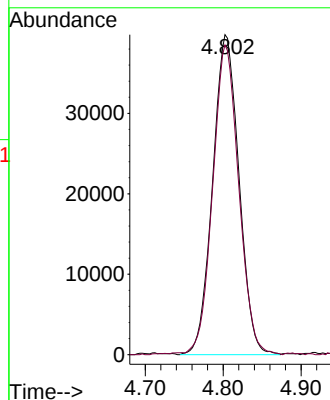
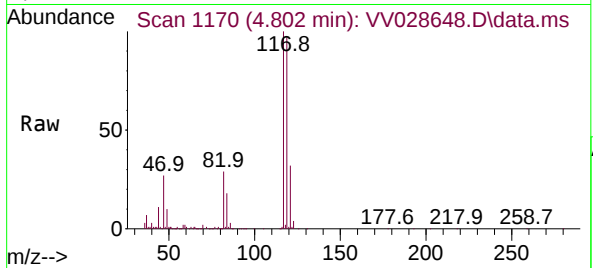




#31
Carbon tetrachloride
Concen: 5.148 ug/L
RT: 4.802 min Scan# 1171
Delta R.T. -0.003 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

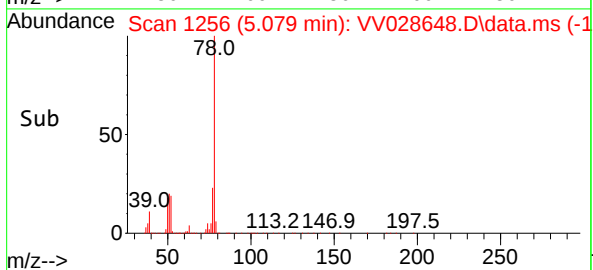
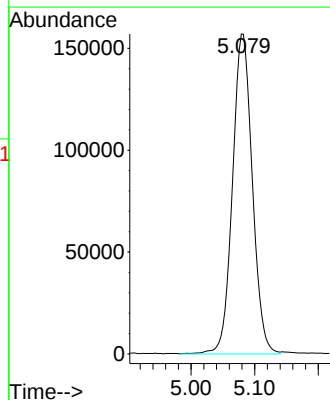
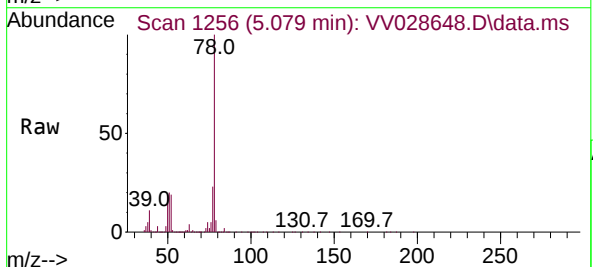
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

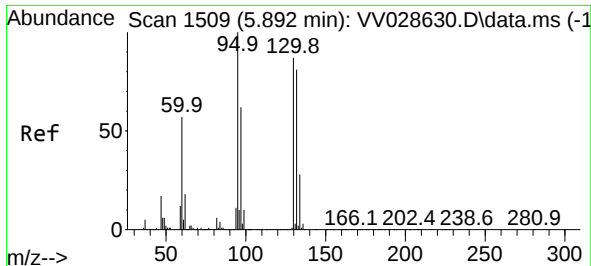
Tgt Ion:117 Resp: 93360
Ion Ratio Lower Upper
117 100
119 96.0 76.1 114.1



#33
Benzene
Concen: 5.087 ug/L
RT: 5.079 min Scan# 1256
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

Tgt Ion: 78 Resp: 340164

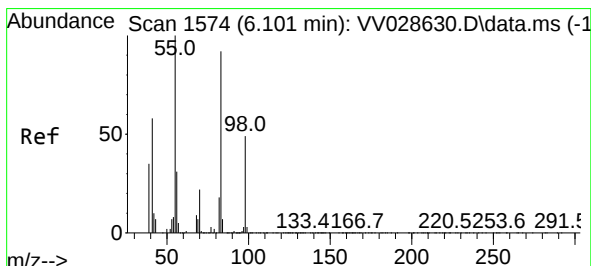
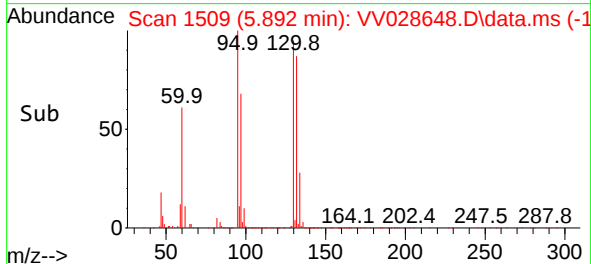
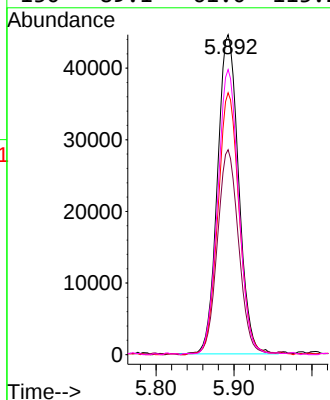
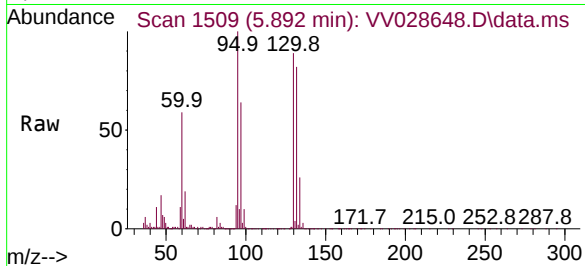




#34
Trichloroethene
Concen: 5.462 ug/L
RT: 5.892 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

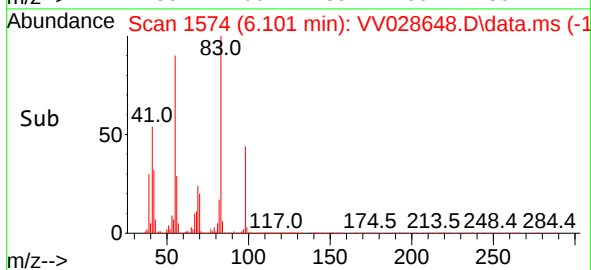
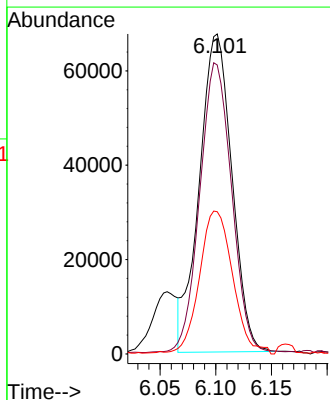
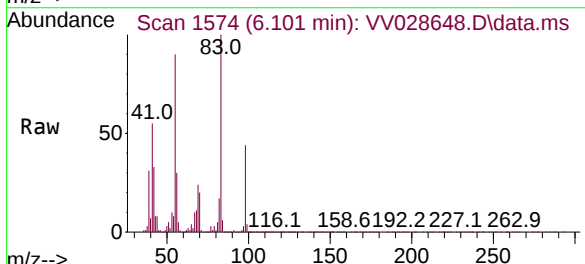
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

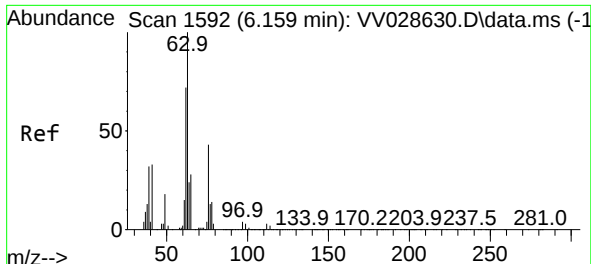
Tgt Ion:	95	Resp:	84292
Ion	Ratio	Lower	Upper
95	100		
97	64.0	43.5	80.9
132	81.8	56.5	104.9
130	89.1	61.0	113.2



#35
Methylcyclohexane
Concen: 5.672 ug/L
RT: 6.101 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

Tgt Ion:	83	Resp:	137396
Ion	Ratio	Lower	Upper
83	100		
55	89.0	70.0	105.0
98	45.8	35.6	53.4

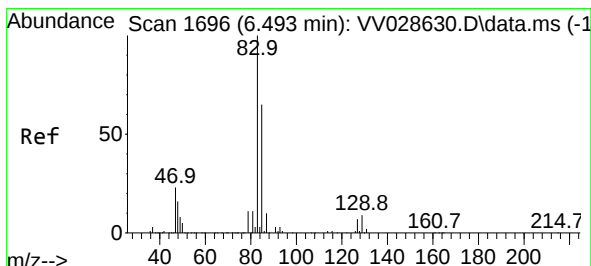
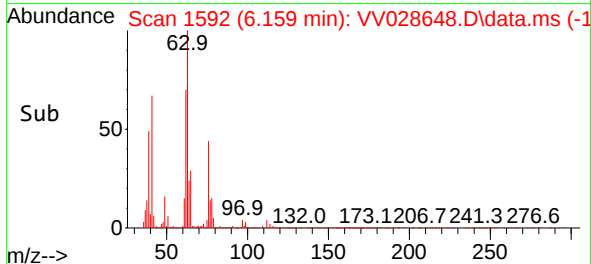
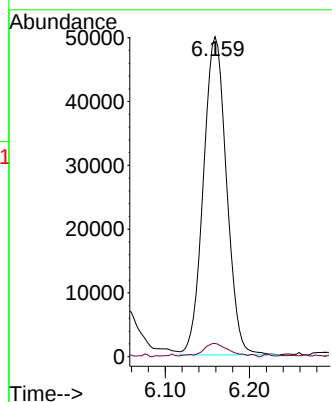
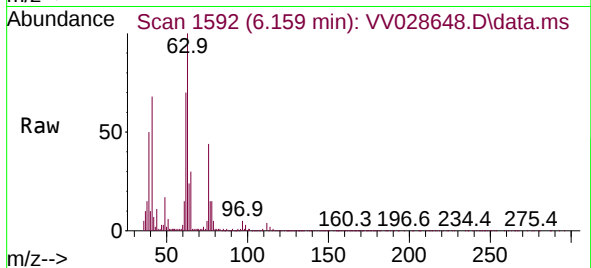




#37
1,2-Dichloropropane
Concen: 5.339 ug/L
RT: 6.159 min Scan# 1592
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

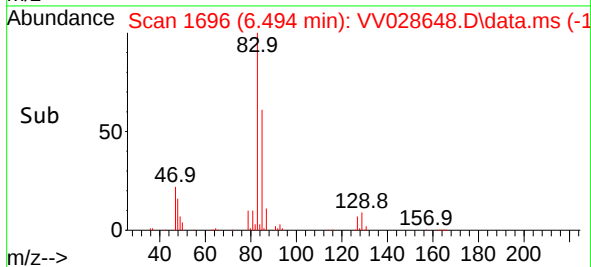
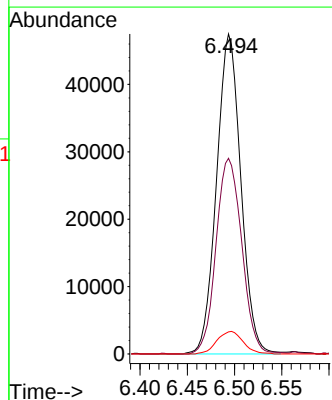
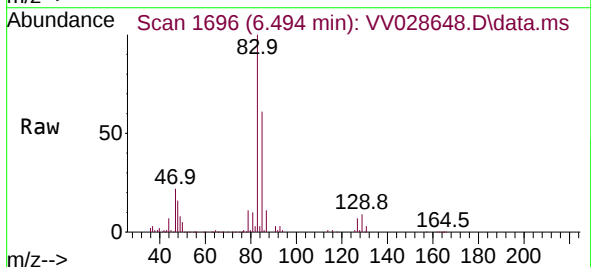
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

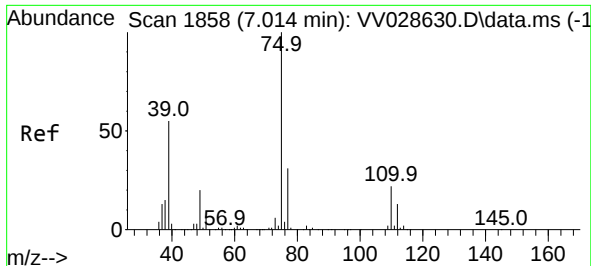
Tgt Ion: 63 Resp: 95547
Ion Ratio Lower Upper
63 100
112 4.0 3.4 5.2



#38
Bromodichloromethane
Concen: 4.947 ug/L
RT: 6.494 min Scan# 1696
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

Tgt Ion: 83 Resp: 85029
Ion Ratio Lower Upper
83 100
85 61.2 45.1 83.9
127 6.9 5.7 8.5





#39

cis-1,3-Dichloropropene

Concen: 4.009 ug/L

RT: 7.014 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

Instrument :

MSVOA_V

ClientSampleId :

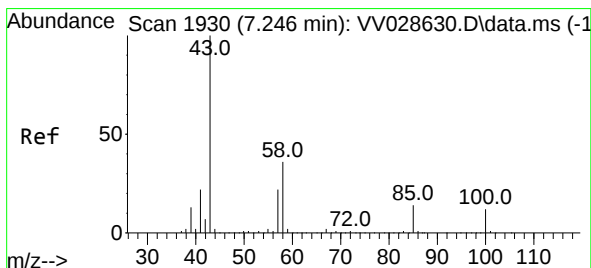
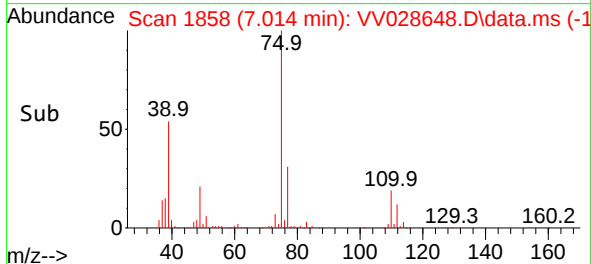
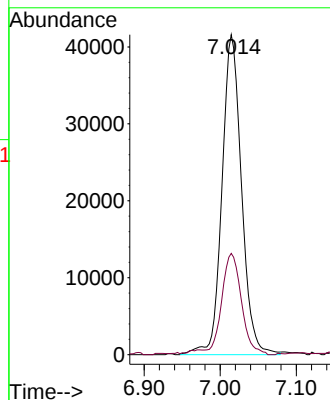
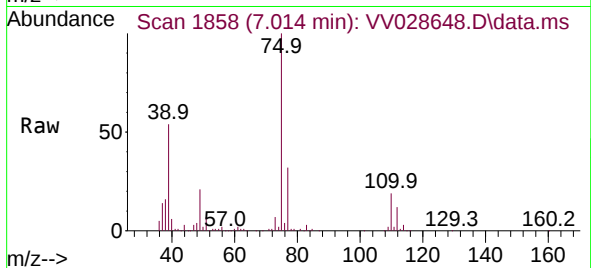
VSTD005330

Tgt Ion: 75 Resp: 74303

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 45.668 ug/L

RT: 7.246 min Scan# 1930

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

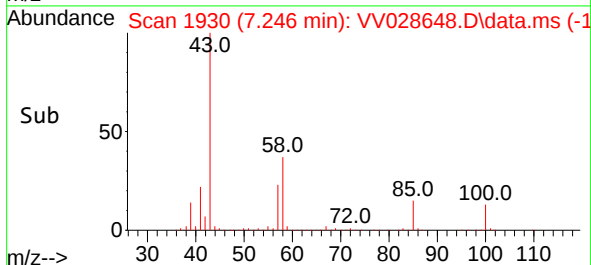
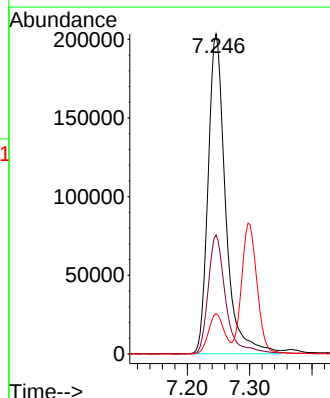
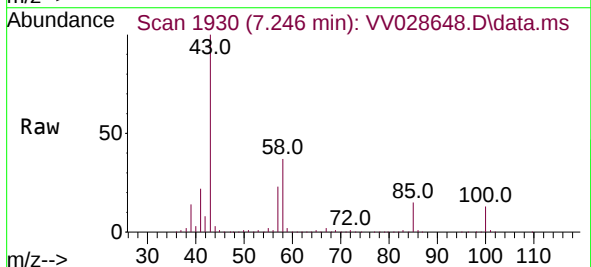
Tgt Ion: 43 Resp: 395770

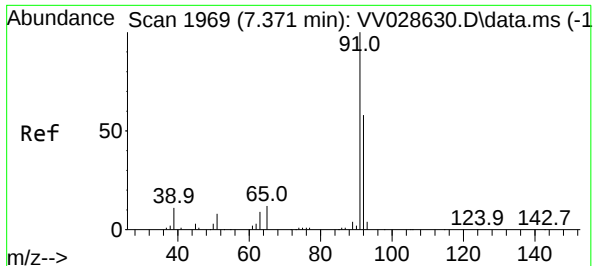
Ion Ratio Lower Upper

43 100

58 37.4 29.6 44.4

100 11.6 9.4 14.0





#42

Toluene

Concen: 4.694 ug/L

RT: 7.371 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

Instrument :

MSVOA_V

ClientSampleId :

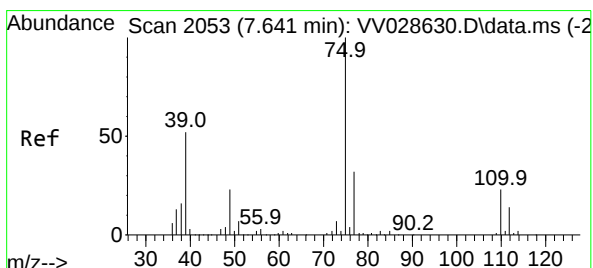
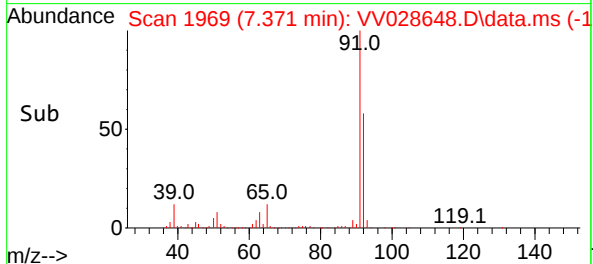
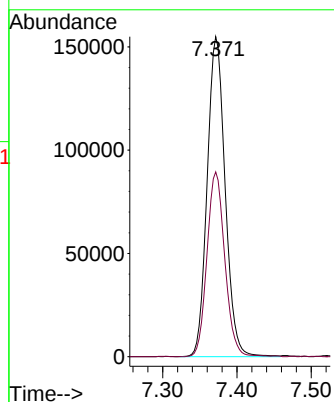
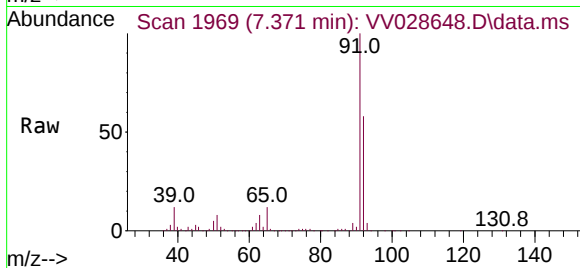
VSTD005330

Tgt Ion: 91 Resp: 259898

Ion Ratio Lower Upper

91 100

92 57.7 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 4.222 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. 0.000 min

Lab File: VV028648.D

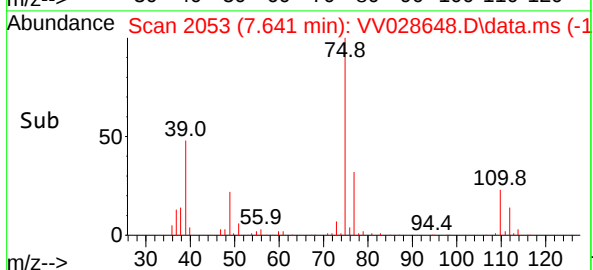
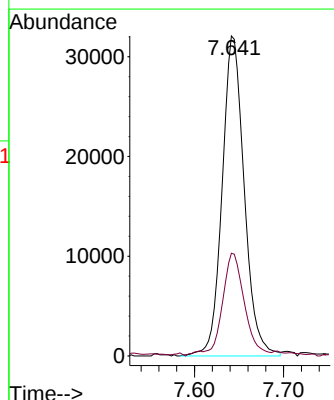
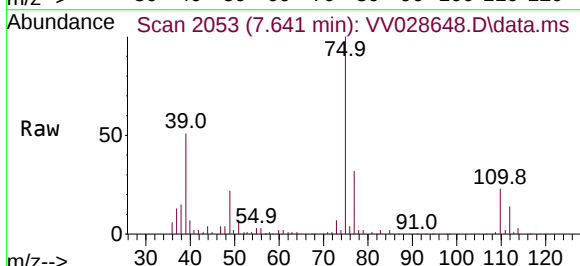
Acq: 20 Oct 2022 20:37

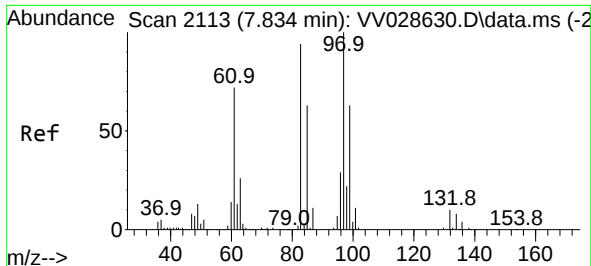
Tgt Ion: 75 Resp: 55303

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 4.905 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005330

Tgt Ion: 97 Resp: 41379

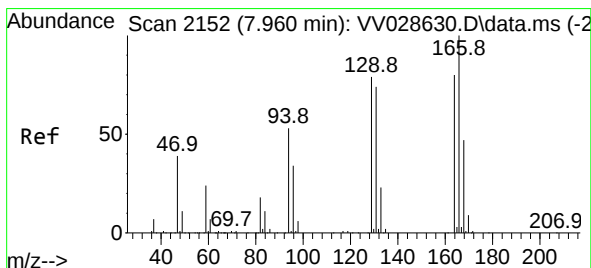
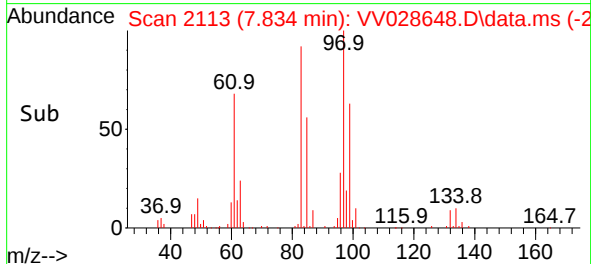
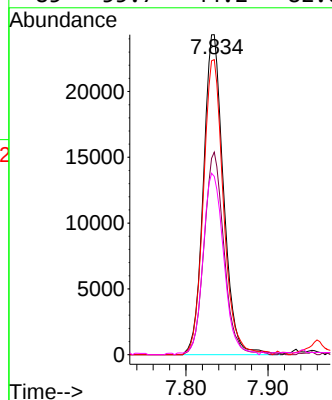
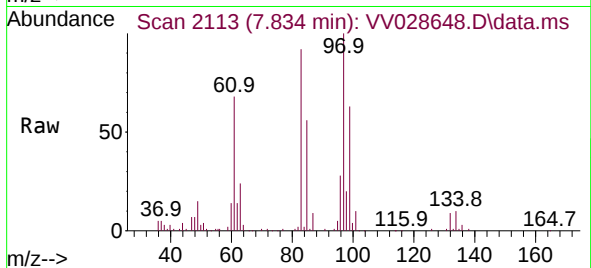
Ion Ratio Lower Upper

97 100

99 63.3 44.0 81.6

83 92.2 66.2 123.0

85 55.7 44.2 82.0



#47

Tetrachloroethene

Concen: 4.804 ug/L

RT: 7.960 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

Tgt Ion: 164 Resp: 40033

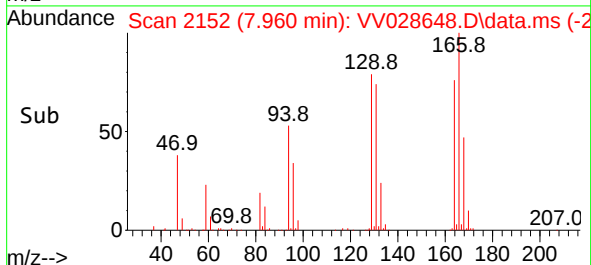
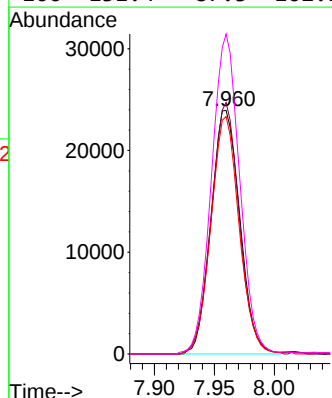
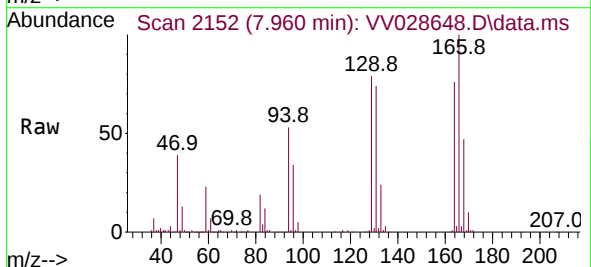
Ion Ratio Lower Upper

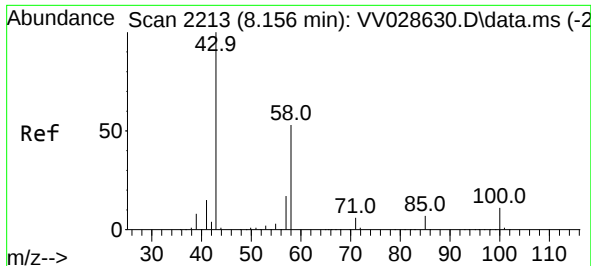
164 100

129 103.2 69.2 128.6

131 97.5 64.2 119.2

166 131.4 87.3 162.1

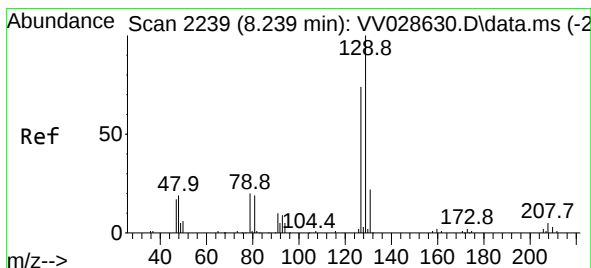
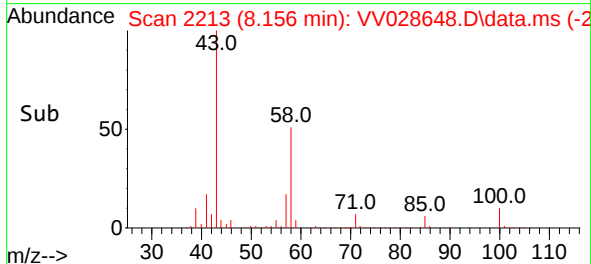
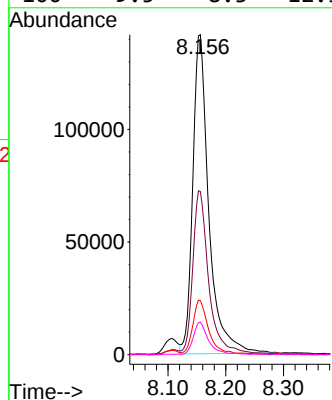
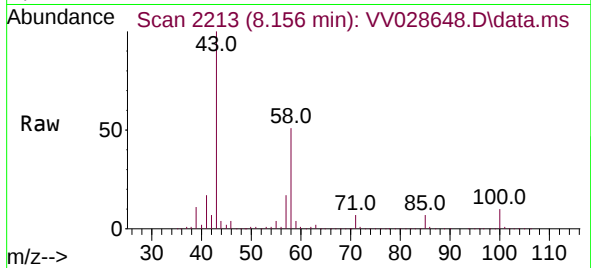




#48
2-Hexanone
Concen: 50.590 ug/L
RT: 8.156 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

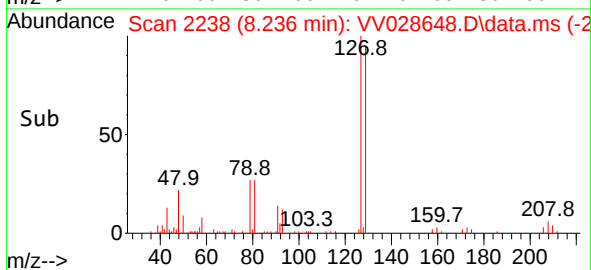
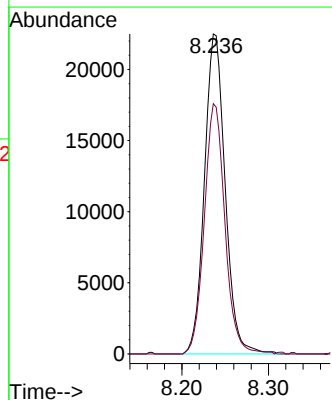
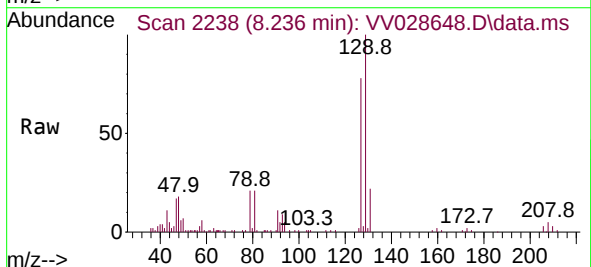
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

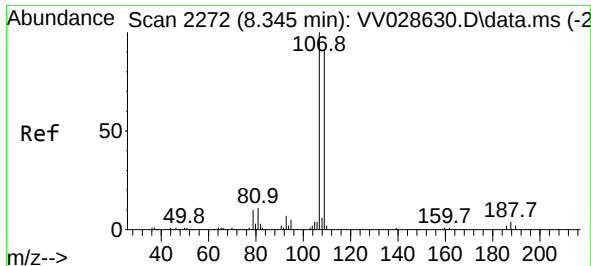
Tgt Ion: 43 Resp: 274618
Ion Ratio Lower Upper
43 100
58 50.5 40.6 60.8
57 17.5 13.8 20.8
100 9.5 8.3 12.5



#49
Dibromochloromethane
Concen: 4.784 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.003 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

Tgt Ion: 129 Resp: 37404
Ion Ratio Lower Upper
129 100
127 78.2 51.6 95.8





#50

1,2-Dibromoethane

Concen: 4.955 ug/L

RT: 8.346 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005330

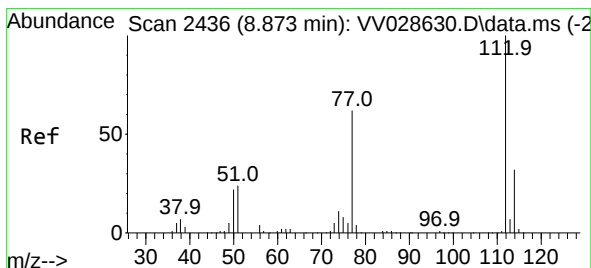
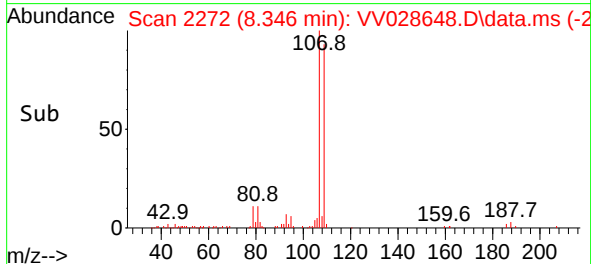
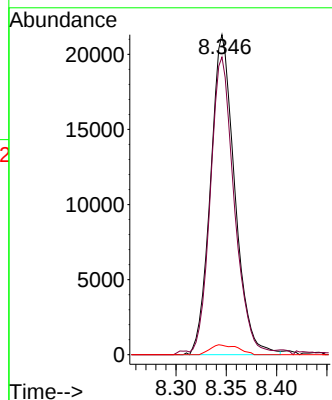
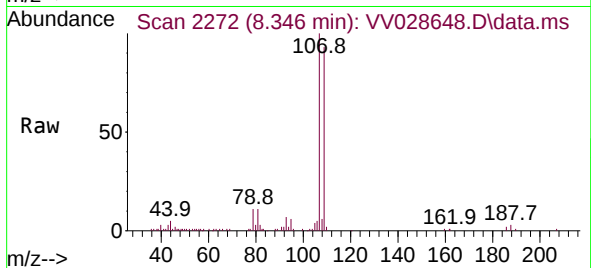
Tgt Ion:107 Resp: 35783

Ion Ratio Lower Upper

107 100

109 93.0 64.0 118.8

188 3.0 2.9 4.3



#51

Chlorobenzene

Concen: 4.926 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

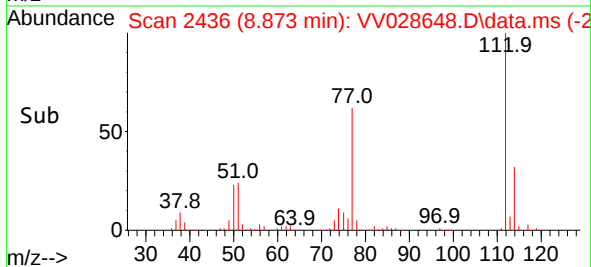
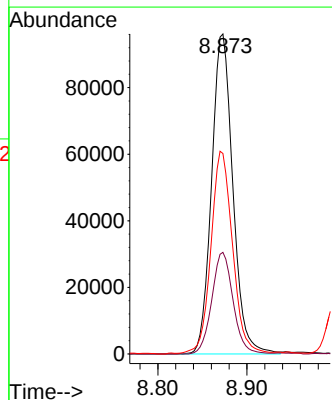
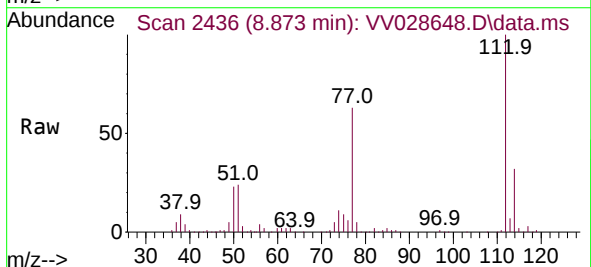
Tgt Ion:112 Resp: 159466

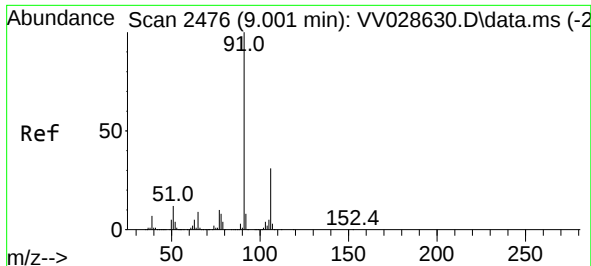
Ion Ratio Lower Upper

112 100

114 31.8 22.0 41.0

77 62.7 50.0 75.0





#52

Ethylbenzene

Concen: 4.914 ug/L

RT: 9.002 min Scan# 2476

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

Instrument :

MSVOA_V

ClientSampleId :

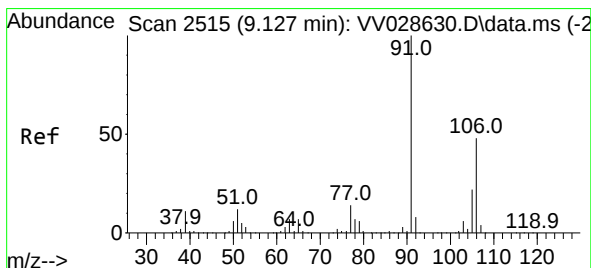
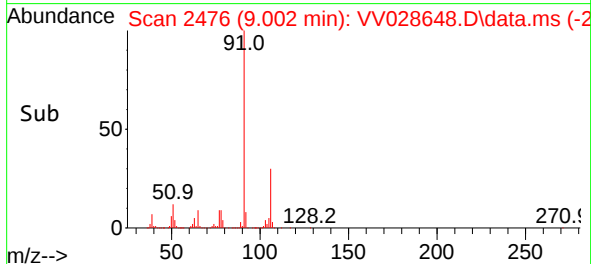
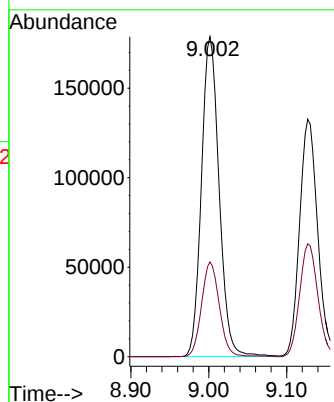
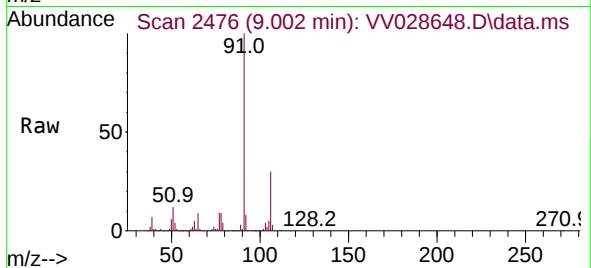
VSTD005330

Tgt Ion: 91 Resp: 281302

Ion Ratio Lower Upper

91 100

106 29.6 21.3 39.6



#53

m,p-Xylene

Concen: 4.961 ug/L

RT: 9.127 min Scan# 2515

Delta R.T. 0.000 min

Lab File: VV028648.D

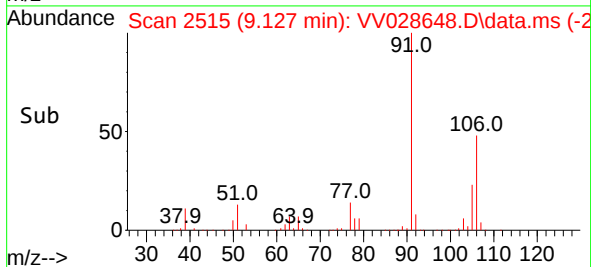
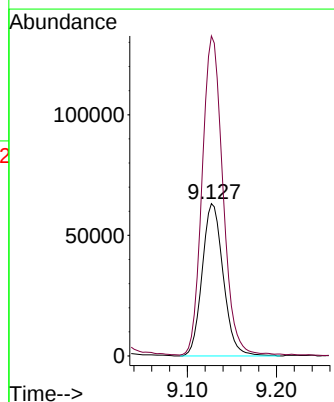
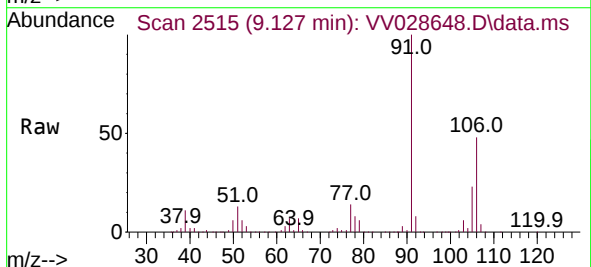
Acq: 20 Oct 2022 20:37

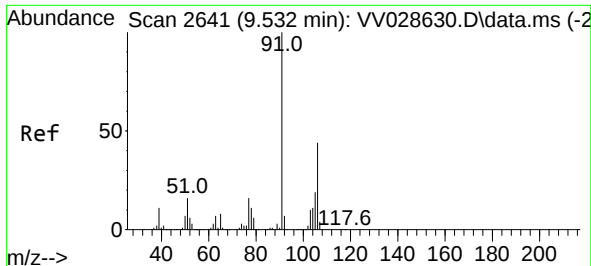
Tgt Ion: 106 Resp: 103765

Ion Ratio Lower Upper

106 100

91 210.2 145.5 270.1

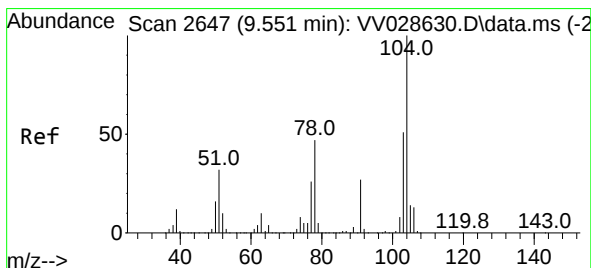
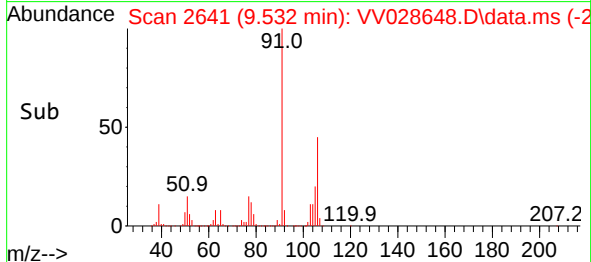
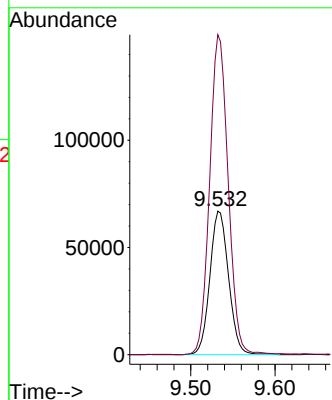
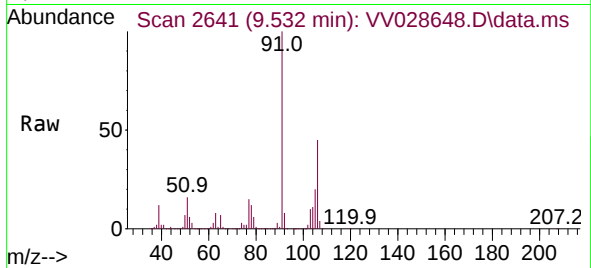




#54
o-Xylene
Concen: 4.979 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

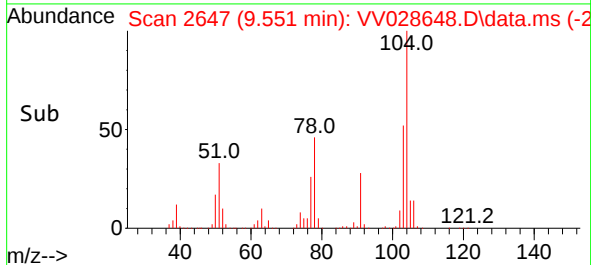
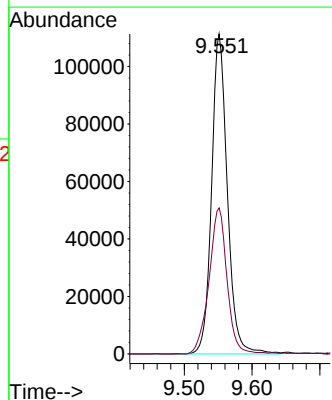
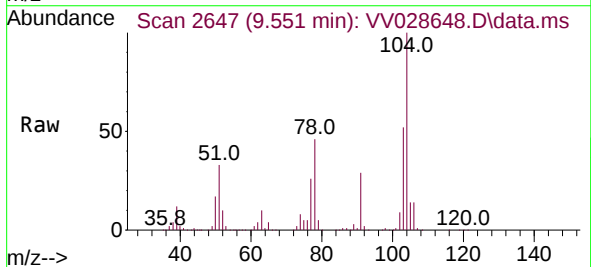
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

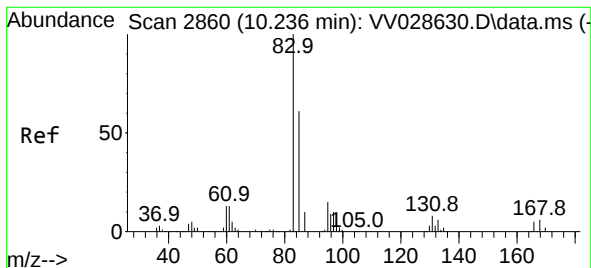
Tgt Ion:106 Resp: 103290
Ion Ratio Lower Upper
106 100
91 223.0 159.0 295.4



#55
Styrene
Concen: 5.078 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

Tgt Ion:104 Resp: 179594
Ion Ratio Lower Upper
104 100
78 45.7 32.8 61.0

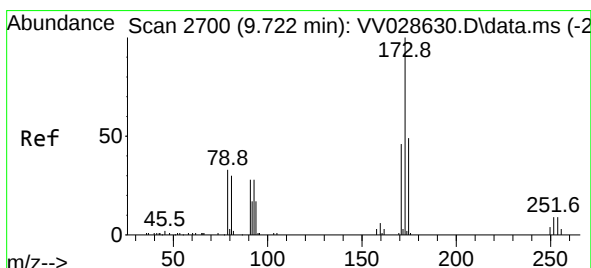
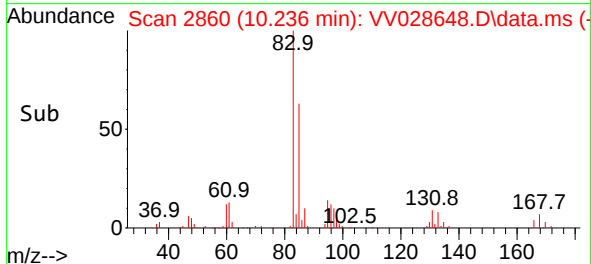
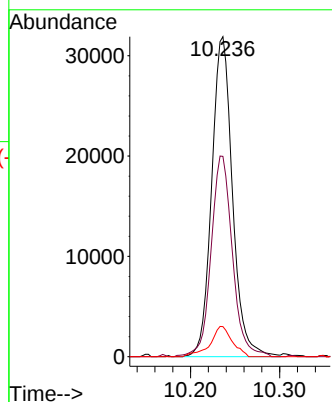
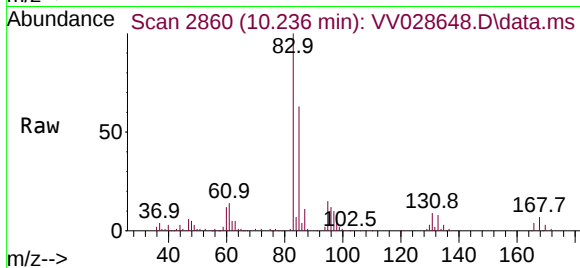




#57
1,1,2,2-Tetrachloroethane
Concen: 5.210 ug/L
RT: 10.236 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

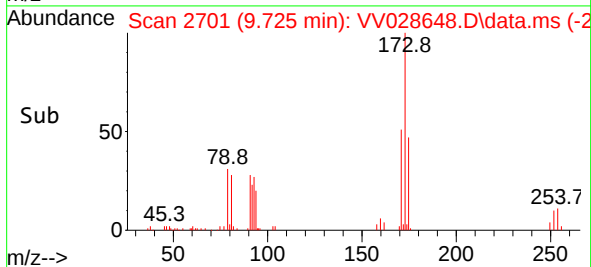
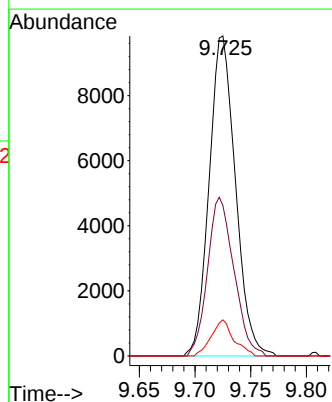
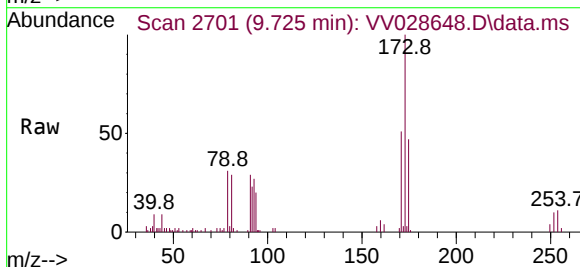
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

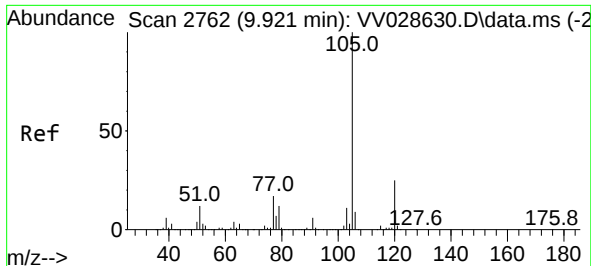
Tgt Ion: 83 Resp: 51748
Ion Ratio Lower Upper
83 100
85 62.6 43.0 80.0
131 9.4 6.5 9.7



#59
Bromoform
Concen: 4.593 ug/L
RT: 9.725 min Scan# 2701
Delta R.T. 0.003 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

Tgt Ion: 173 Resp: 16153
Ion Ratio Lower Upper
173 100
175 49.7 39.8 59.8
254 9.6 7.3 10.9

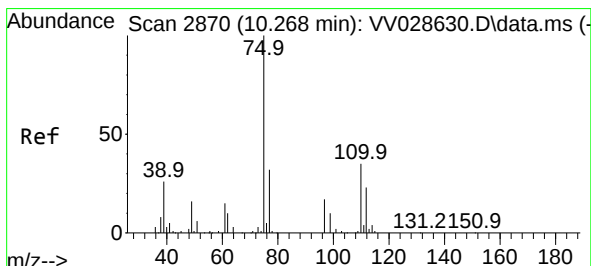
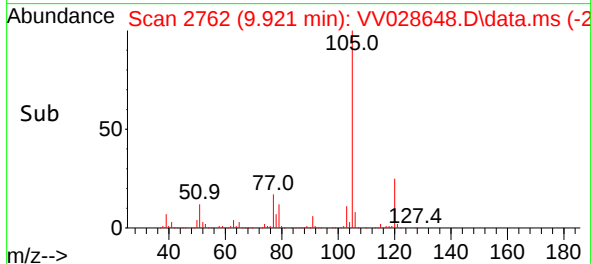
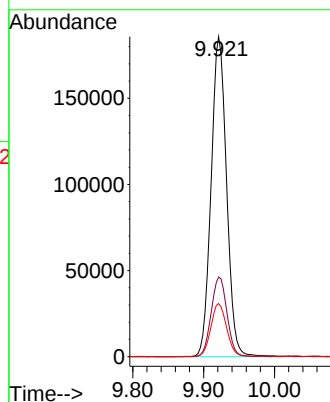
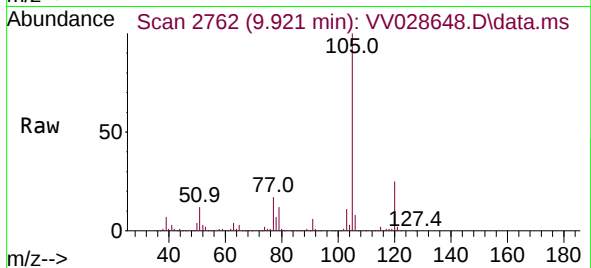




#60
Isopropylbenzene
Concen: 4.725 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

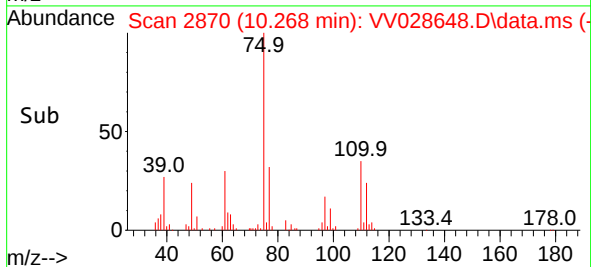
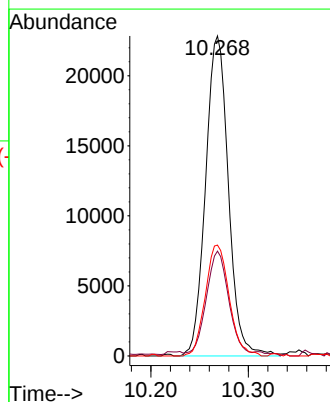
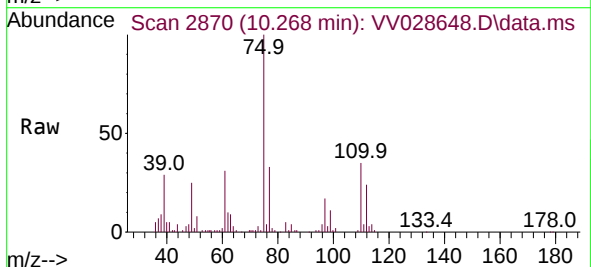
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

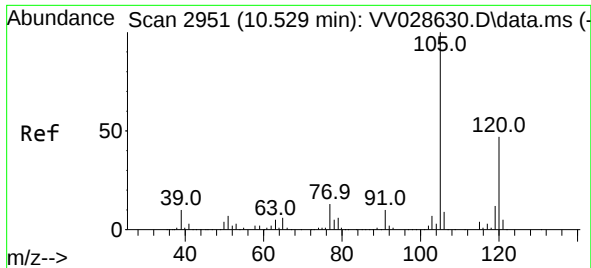
Tgt Ion:105 Resp: 281278
Ion Ratio Lower Upper
105 100
120 25.3 20.1 30.1
77 17.1 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 4.820 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

Tgt Ion: 75 Resp: 37200
Ion Ratio Lower Upper
75 100
77 30.3 25.2 37.8
110 36.1 27.9 41.9

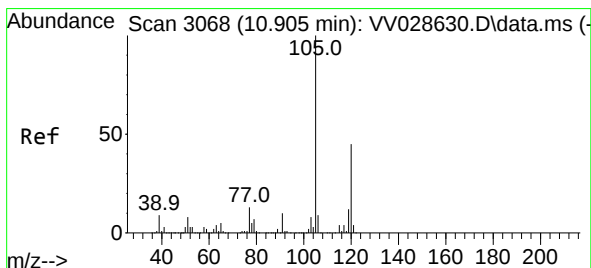
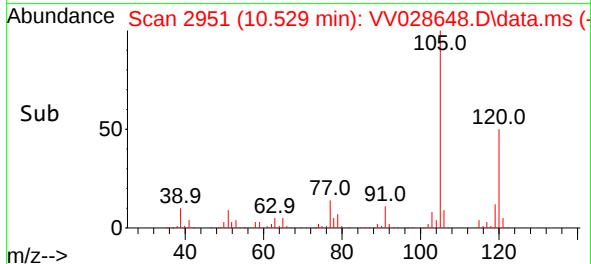
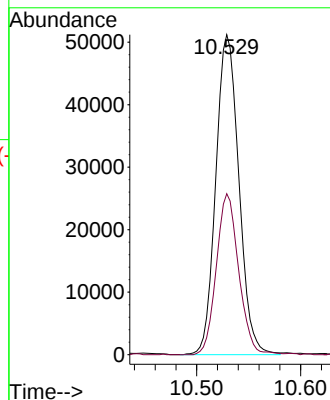
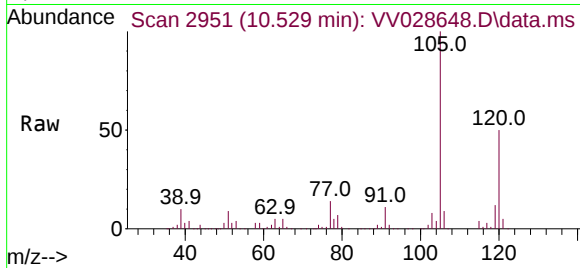




#62
 1,3,5-Trimethylbenzene
 Concen: 4.618 ug/L
 RT: 10.529 min Scan# 2951
 Delta R.T. 0.000 min
 Lab File: VV028648.D
 Acq: 20 Oct 2022 20:37

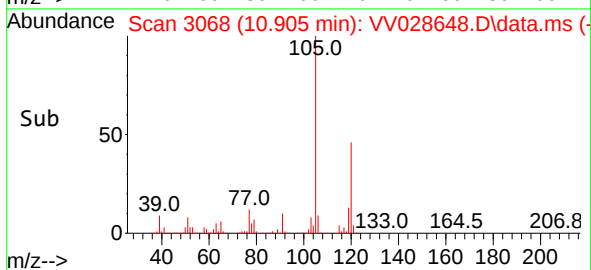
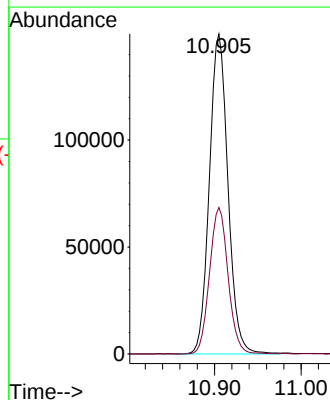
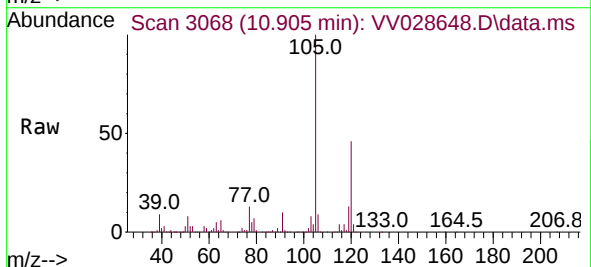
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005330

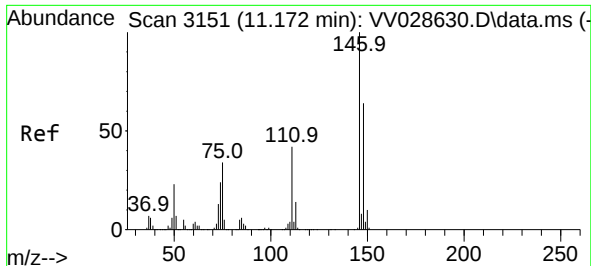
Tgt Ion:105 Resp: 78957
 Ion Ratio Lower Upper
 105 100
 120 48.7 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 4.847 ug/L
 RT: 10.905 min Scan# 3068
 Delta R.T. 0.000 min
 Lab File: VV028648.D
 Acq: 20 Oct 2022 20:37

Tgt Ion:105 Resp: 223170
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.2 54.2

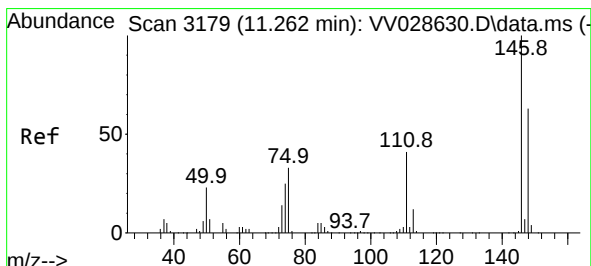
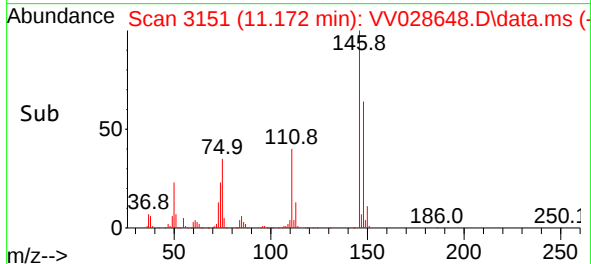
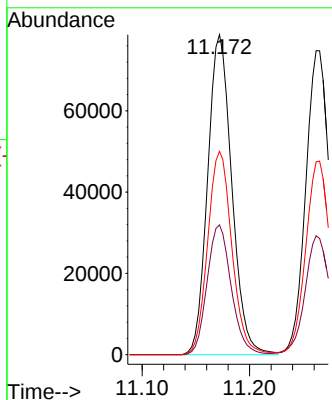
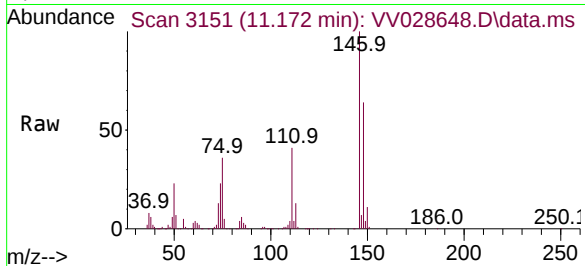




#64
1,3-Dichlorobenzene
Concen: 5.217 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

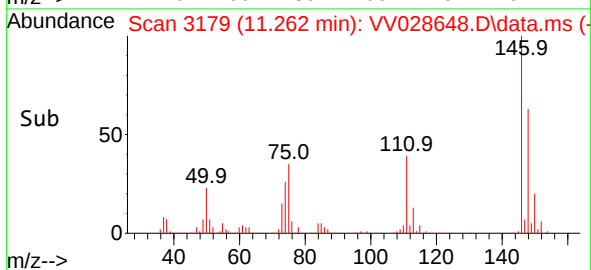
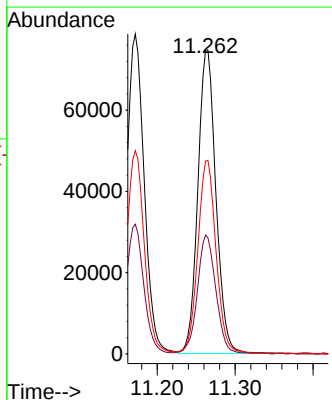
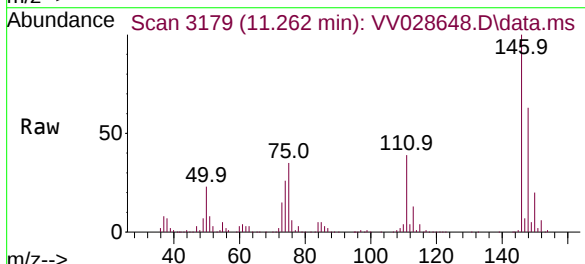
Instrument :
MSVOA_V
ClientSampleId :
VSTD005330

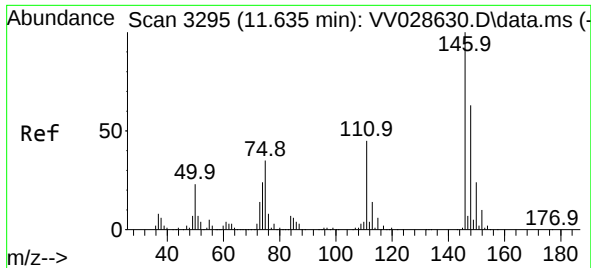
Tgt Ion:146 Resp: 122920
Ion Ratio Lower Upper
146 100
111 40.6 29.0 53.9
148 63.5 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.051 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV028648.D
Acq: 20 Oct 2022 20:37

Tgt Ion:146 Resp: 120188
Ion Ratio Lower Upper
146 100
111 39.1 28.6 53.2
148 63.4 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5.098 ug/L

RT: 11.635 min Scan# 3295

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005330

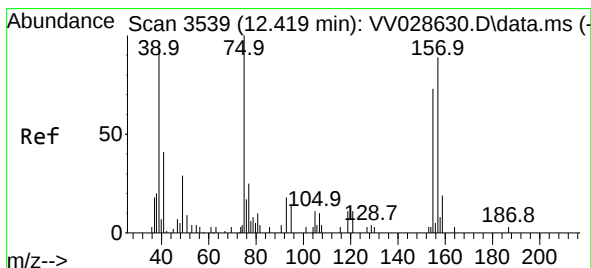
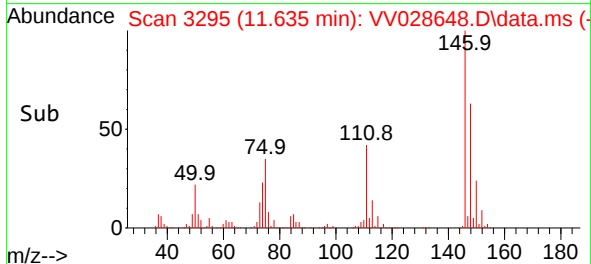
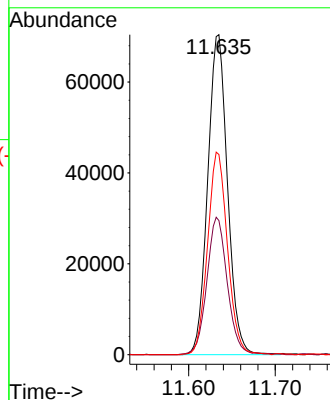
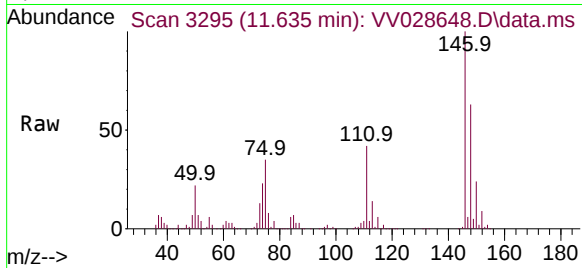
Tgt Ion:146 Resp: 111708

Ion Ratio Lower Upper

146 100

111 41.9 36.2 54.4

148 62.6 50.6 75.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.421 ug/L

RT: 12.419 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

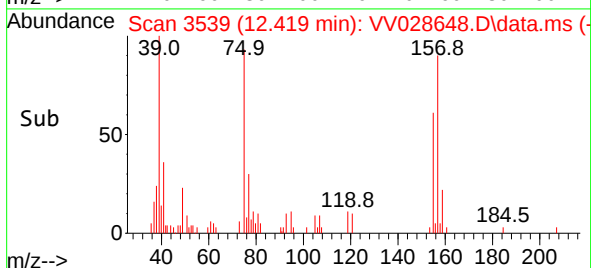
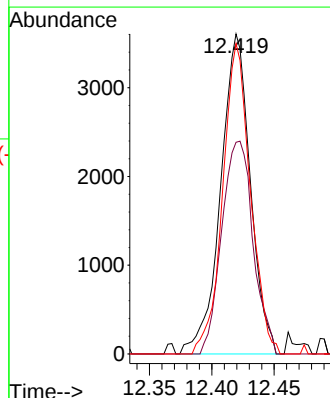
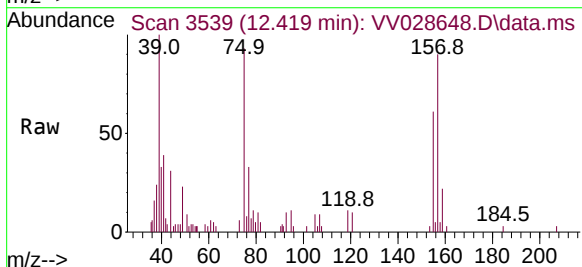
Tgt Ion: 75 Resp: 5982

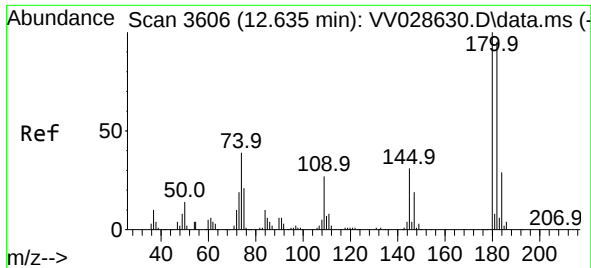
Ion Ratio Lower Upper

75 100

155 66.1 58.2 87.2

157 97.0 71.5 107.3

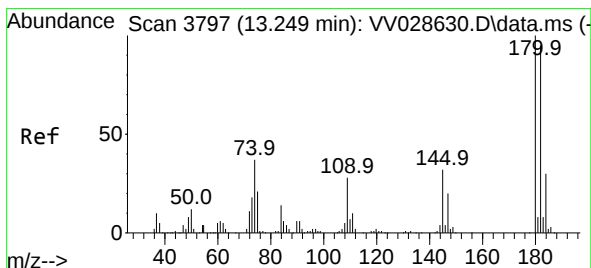
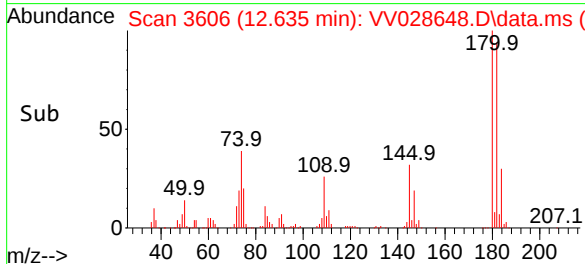
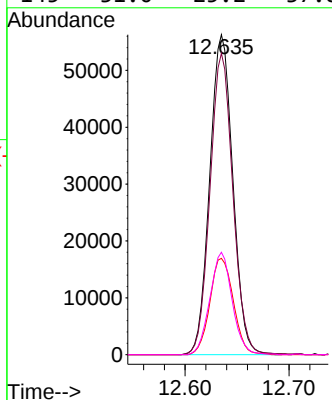
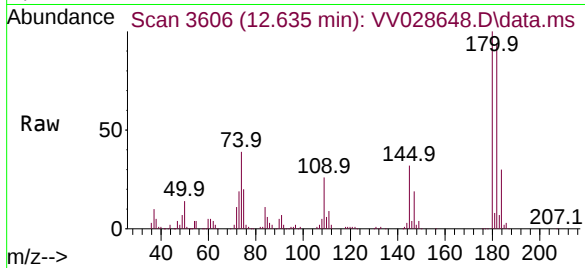




#69
 1,3,5-Trichlorobenzene
 Concen: 5.171 ug/L
 RT: 12.635 min Scan# 3606
 Delta R.T. 0.000 min
 Lab File: VV028648.D
 Acq: 20 Oct 2022 20:37

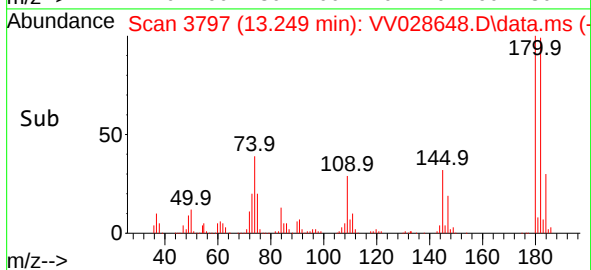
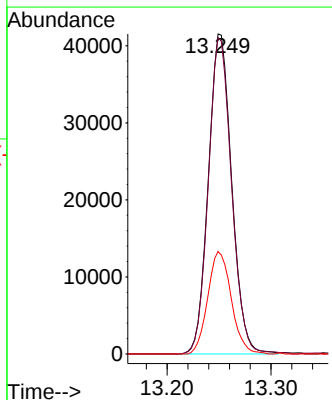
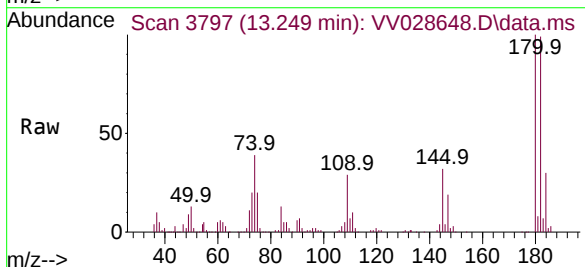
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005330

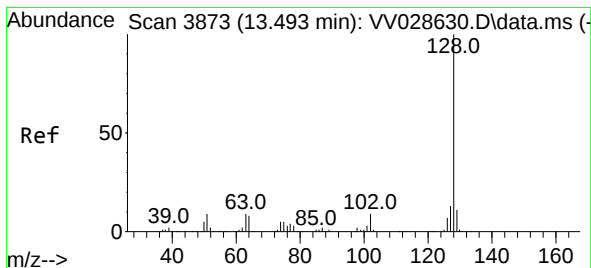
Tgt Ion:180	Resp:	86774
Ion Ratio	Lower	Upper
180	100	
182	93.6	76.6 114.8
184	30.6	24.3 36.5
145	31.0	25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.910 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. 0.000 min
 Lab File: VV028648.D
 Acq: 20 Oct 2022 20:37

Tgt Ion:180	Resp:	64922
Ion Ratio	Lower	Upper
180	100	
182	97.8	74.7 112.1
145	32.2	25.5 38.3





#71

Naphthalene

Concen: 4.247 ug/L

RT: 13.490 min Scan# 3873

Delta R.T. -0.003 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005330

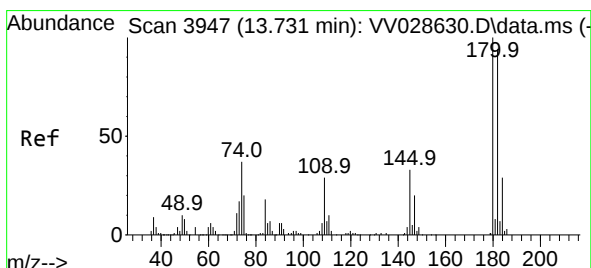
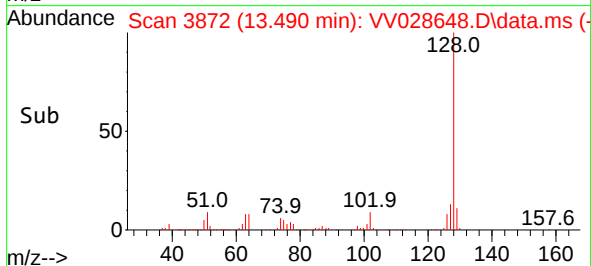
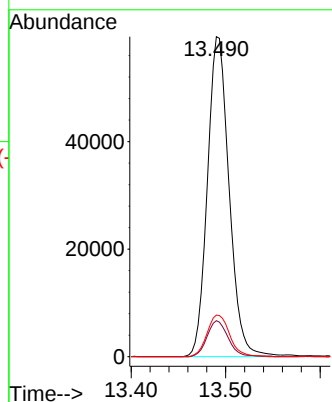
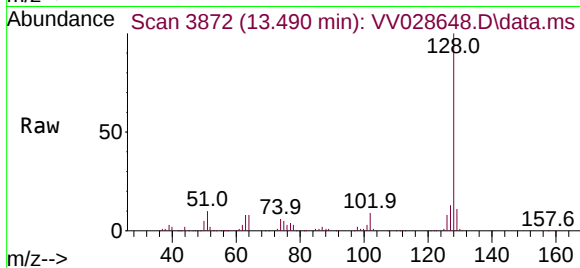
Tgt Ion:128 Resp: 94945

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.6 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.959 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV028648.D

Acq: 20 Oct 2022 20:37

Tgt Ion:180 Resp: 57293

Ion Ratio Lower Upper

180 100

182 94.7 73.4 110.0

145 32.6 26.3 39.5

