

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091422\
 Data File : VW027843.D
 Acq On : 14 Sep 2022 21:15
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005289

Quant Time: Sep 15 02:55:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 15 02:47:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	129880	5.000	ug/L	# 0.00
28) Chlorobenzene-d5	8.850	117	126862	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	74358	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	35644	4.163	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.200%
7) Chloroethane-d5	1.568	69	33617	4.629	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.600%
11) 1,1-Dichloroethene-d2	2.108	63	82898	4.563	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.200%
20) 2-Butanone-d5	3.895	46	49087	25.872	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	51.740%
24) Chloroform-d	4.346	84	90341	5.154	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	5.030	65	42129	4.513	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	5.047	84	161659	4.392	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.069	67	42538	3.948	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.000%
41) Toluene-d8	7.313	98	156689	5.063	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
43) trans-1,3-Dichloroprop...	7.622	79	15252	4.219	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.400%
46) 2-Hexanone-d5	8.091	63	60012	44.661	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.320%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	33122	4.787	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	56015	4.586	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	66731	5.234	ug/L	100
3) Chloromethane	1.240	50	53513	4.610	ug/L	100
5) Vinyl chloride	1.310	62	54894	4.695	ug/L	100
6) Bromomethane	1.523	94	30263	4.805	ug/L	96
8) Chloroethane	1.584	64	33713	5.021	ug/L	98
9) Trichlorofluoromethane	1.754	101	100675	5.314	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	49264	5.334	ug/L	96
12) 1,1-Dichloroethene	2.117	96	44896	5.216	ug/L	93
13) Acetone	2.175	43	30061	21.264	ug/L	80
14) Carbon disulfide	2.294	76	114422	4.477	ug/L	96
15) Methyl Acetate	2.436	43	9903	2.641	ug/L	# 75
16) Methylene chloride	2.506	84	54720	4.937	ug/L	88
17) Methyl tert-butyl Ether	2.770	73	95418	4.670	ug/L	97
18) trans-1,2-Dichloroethene	2.760	96	47236	5.196	ug/L	92
19) 1,1-Dichloroethane	3.188	63	86744	5.085	ug/L	98
21) 2-Butanone	3.979	43	47722	23.914	ug/L	100
22) cis-1,2-Dichloroethene	3.912	96	46800	4.724	ug/L	# 82
23) Bromochloromethane	4.252	128	22956	5.518	ug/L	# 80
25) Chloroform	4.371	83	100283	5.298	ug/L	97

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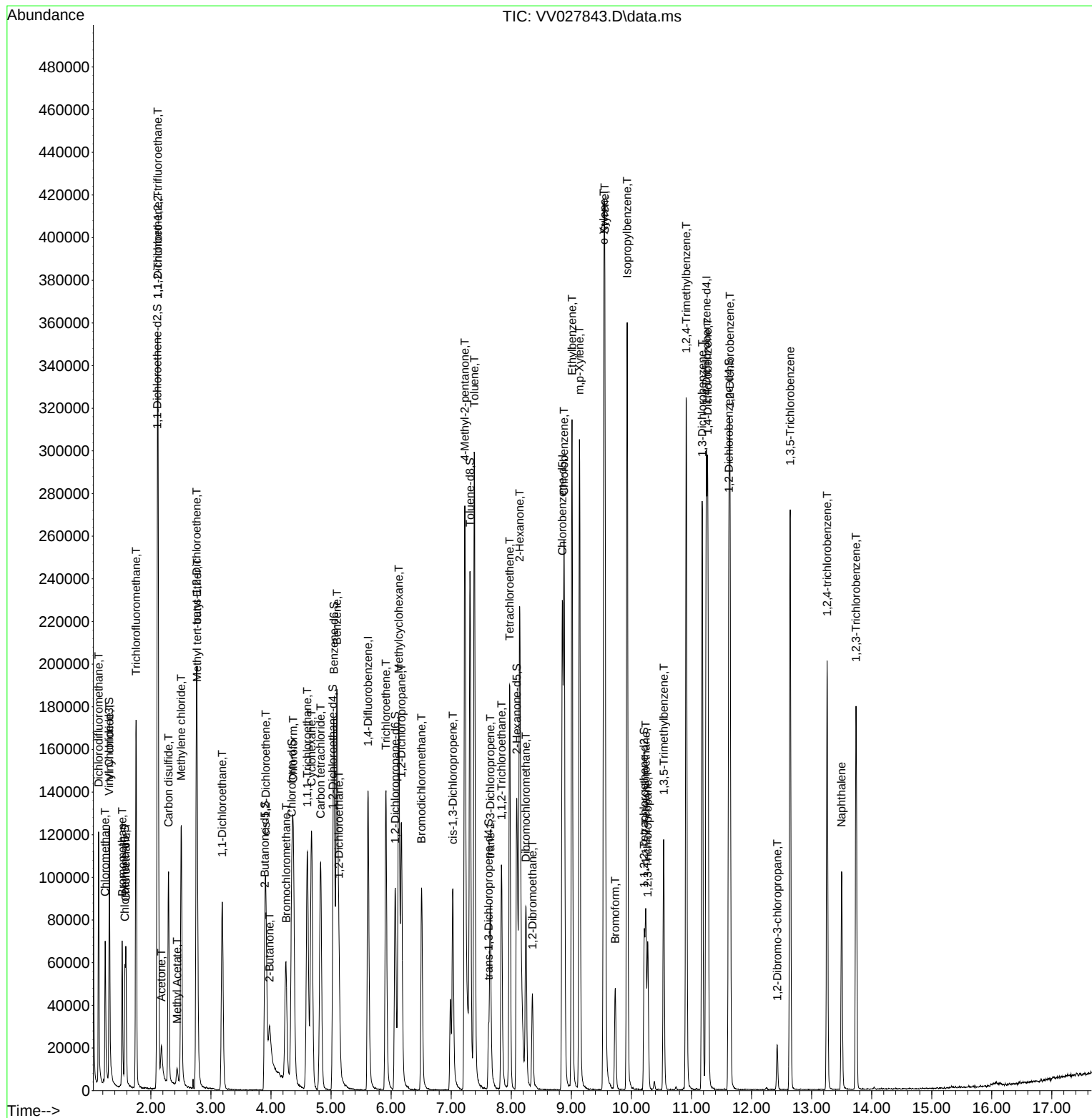
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	55464	4.833	ug/L	100
29) 1,1,1-Trichloroethane	4.606	97	92602	4.746	ug/L	97
30) Cyclohexane	4.674	56	59514	3.712	ug/L	91
31) Carbon tetrachloride	4.825	117	82798	4.994	ug/L	96
33) Benzene	5.098	78	191317	4.566	ug/L	100
34) Trichloroethene	5.911	95	49094	4.681	ug/L	96
35) Methylcyclohexane	6.127	83	69863	4.338	ug/L	95
37) 1,2-Dichloropropane	6.172	63	45086	4.535	ug/L	98
38) Bromodichloromethane	6.506	83	65304	4.953	ug/L	98
39) cis-1,3-Dichloropropene	7.027	75	58124	4.630	ug/L	98
40) 4-Methyl-2-pentanone	7.226	43	212686	47.196	ug/L	95
42) Toluene	7.384	91	221150	5.449	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	52384	4.972	ug/L	97
45) 1,1,2-Trichloroethane	7.837	97	32983	5.120	ug/L	99
47) Tetrachloroethene	7.972	164	44014	5.230	ug/L	94
48) 2-Hexanone	8.140	43	163949	50.042	ug/L	95
49) Dibromochloromethane	8.243	129	42675	5.218	ug/L	100
50) 1,2-Dibromoethane	8.352	107	29770	5.110	ug/L	100
51) Chlorobenzene	8.879	112	137227	5.210	ug/L	99
52) Ethylbenzene	9.011	91	217034	5.156	ug/L	99
53) m,p-Xylene	9.136	106	86701	5.237	ug/L	97
54) o-Xylene	9.542	106	85826	5.438	ug/L	95
55) Styrene	9.558	104	151070	5.536	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	36929	5.115	ug/L	97
59) Bromoform	9.731	173	22441	4.986	ug/L	98
60) Isopropylbenzene	9.931	105	227221	4.884	ug/L	98
61) 1,2,3-Trichloropropane	10.271	75	27462	4.664	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	63453	4.843	ug/L	97
63) 1,2,4-Trimethylbenzene	10.911	105	178055	4.781	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	116865	4.961	ug/L	97
65) 1,4-Dichlorobenzene	11.271	146	113504	4.781	ug/L	97
67) 1,2-Dichlorobenzene	11.641	146	105952	4.953	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	5957	4.713	ug/L	91
69) 1,3,5-Trichlorobenzene	12.644	180	87124	4.882	ug/L	99
70) 1,2,4-trichlorobenzene	13.258	180	64500	4.571	ug/L	99
71) Naphthalene	13.500	128	84026	3.791	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	57230	4.552	ug/L	98

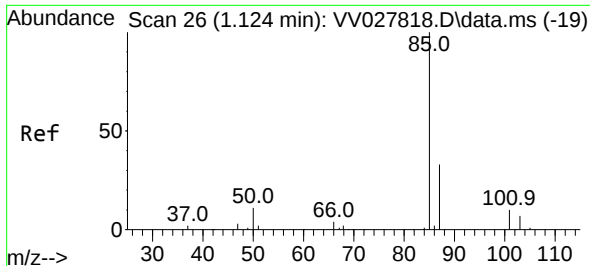
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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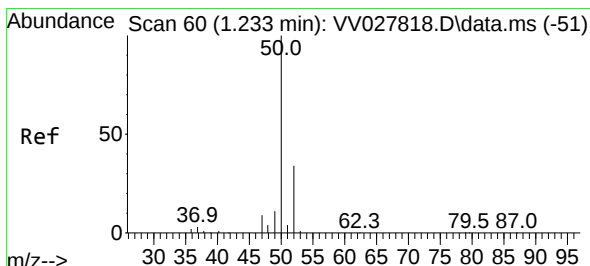
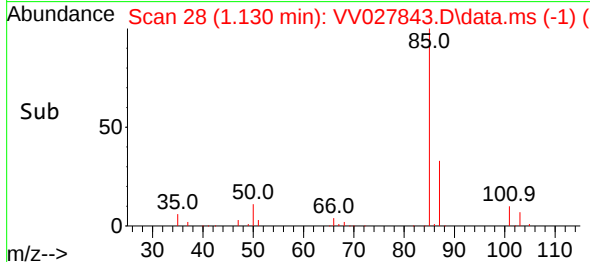
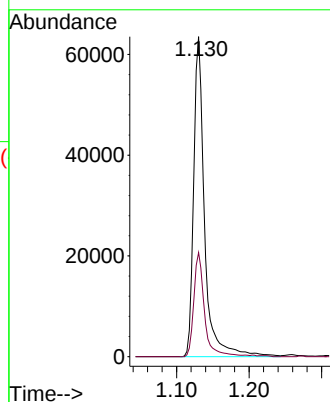
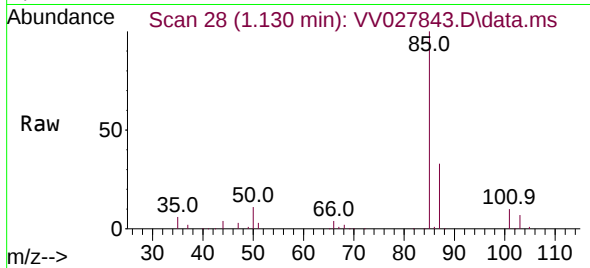




#2
 Dichlorodifluoromethane
 Concen: 5.234 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV027843.D
 Acq: 14 Sep 2022 21:15

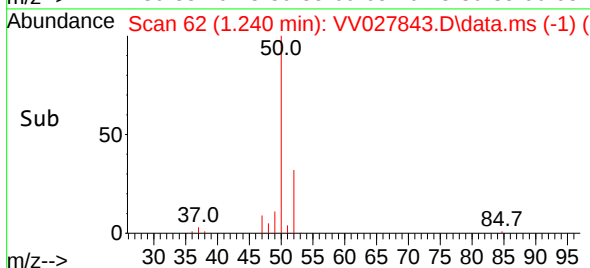
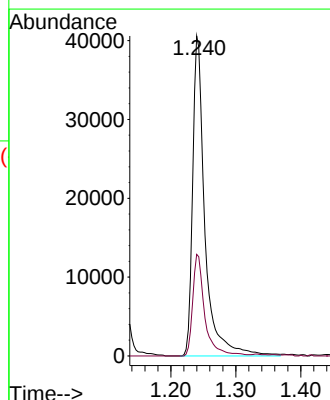
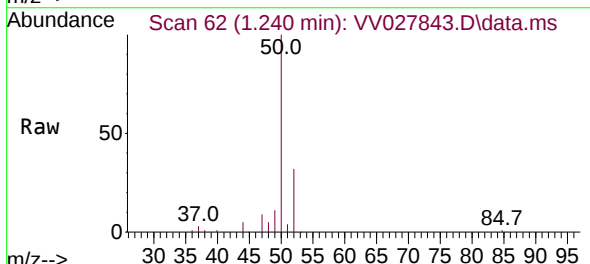
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005289

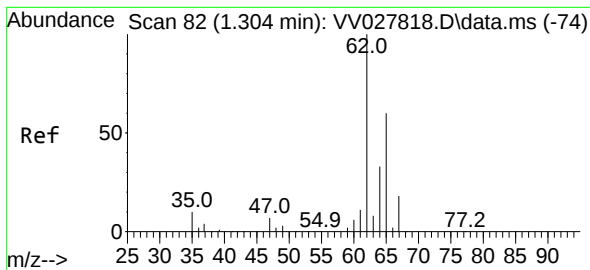
Tgt Ion: 85 Resp: 66731
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.4 38.0



#3
 Chloromethane
 Concen: 4.610 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV027843.D
 Acq: 14 Sep 2022 21:15

Tgt Ion: 50 Resp: 53513
 Ion Ratio Lower Upper
 50 100
 52 31.8 22.1 41.1





#5

Vinyl chloride

Concen: 4.695 ug/L

RT: 1.310 min Scan# 84

Delta R.T. 0.003 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Instrument :

MSVOA_V

ClientSampleId :

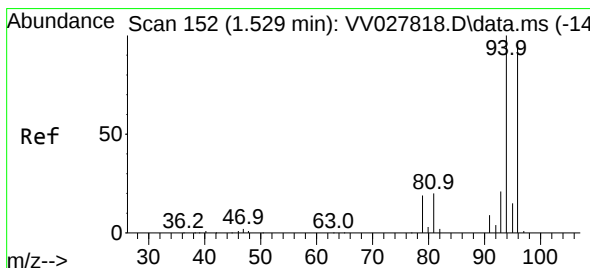
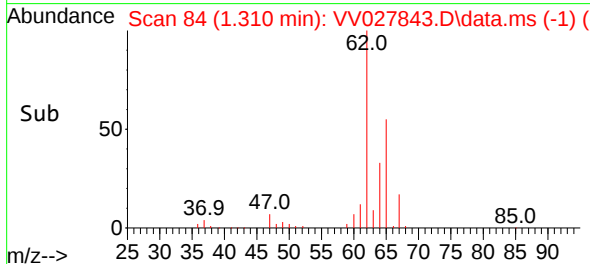
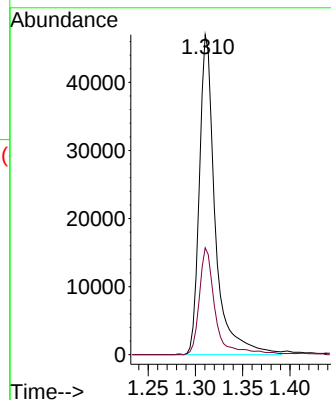
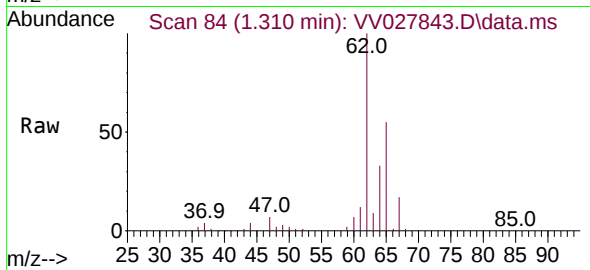
VSTD005289

Tgt Ion: 62 Resp: 54894

Ion Ratio Lower Upper

62 100

64 33.4 23.2 43.2



#6

Bromomethane

Concen: 4.805 ug/L

RT: 1.523 min Scan# 150

Delta R.T. 0.003 min

Lab File: VV027843.D

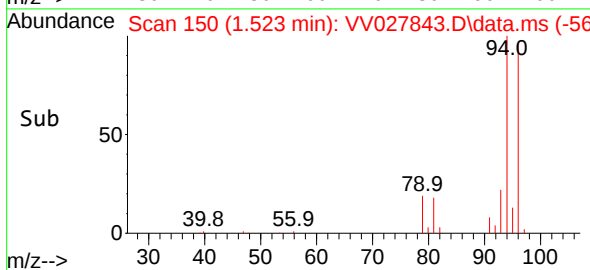
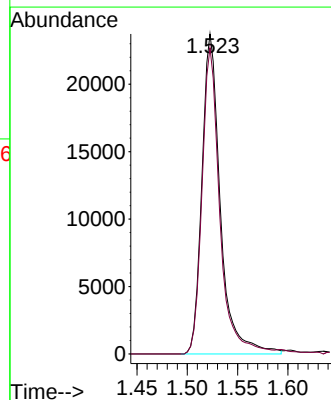
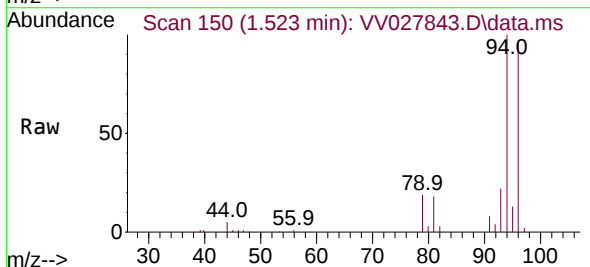
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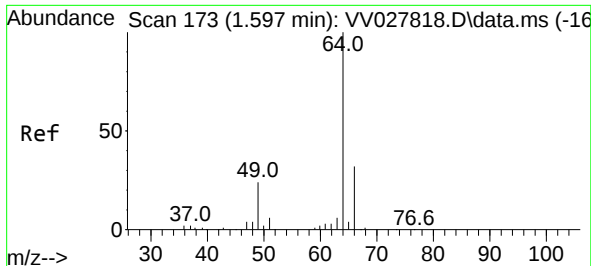
Tgt Ion: 94 Resp: 30263

Ion Ratio Lower Upper

94 100

96 95.7 64.2 119.2

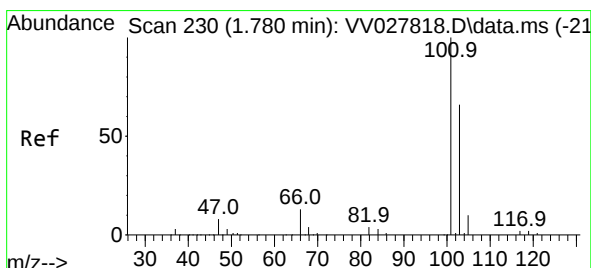
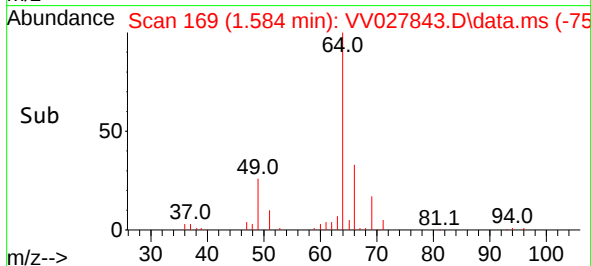
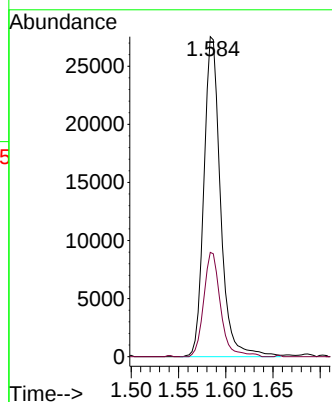
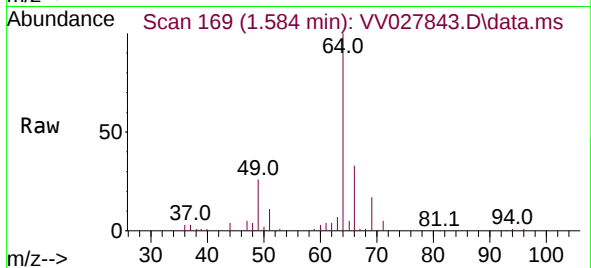




#8
Chloroethane
Concen: 5.021 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

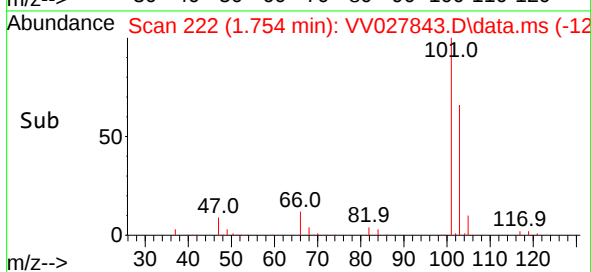
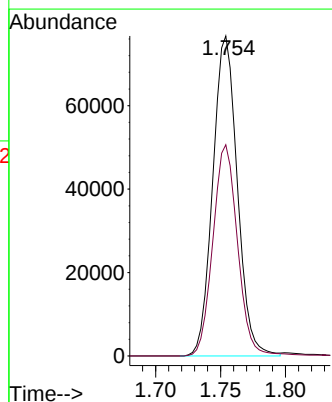
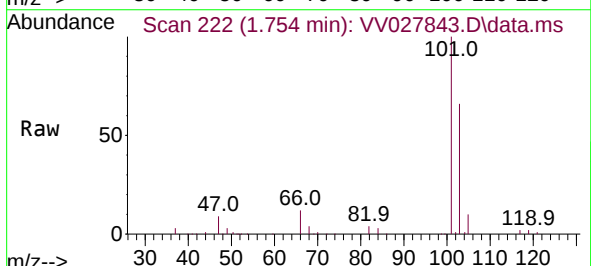
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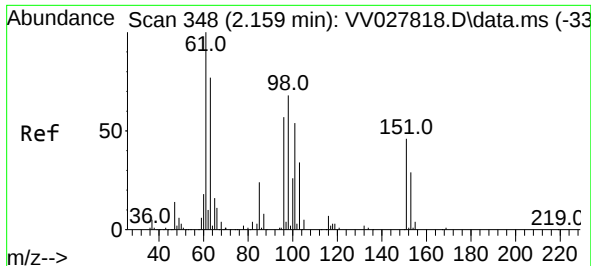
Tgt Ion: 64 Resp: 33713
Ion Ratio Lower Upper
64 100
66 32.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 5.314 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.006 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

Tgt Ion:101 Resp: 100675
Ion Ratio Lower Upper
101 100
103 66.6 52.3 78.5

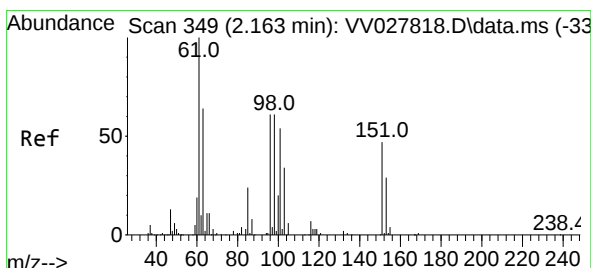
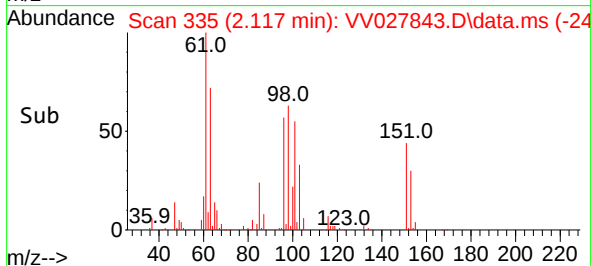
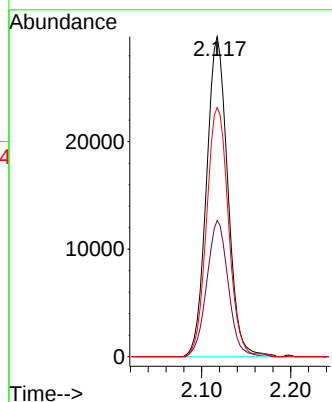
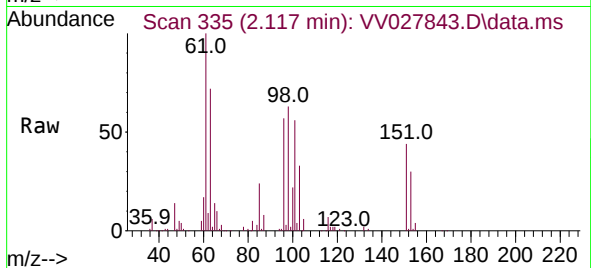




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.334 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV027843.D
 Acq: 14 Sep 2022 21:15

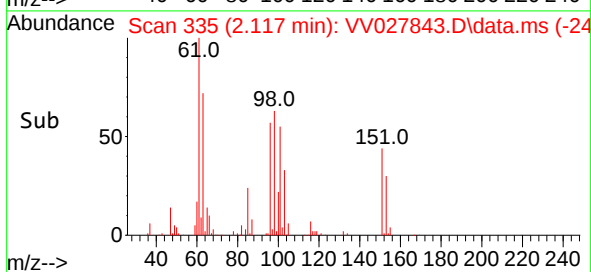
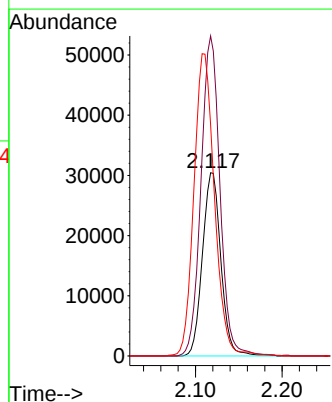
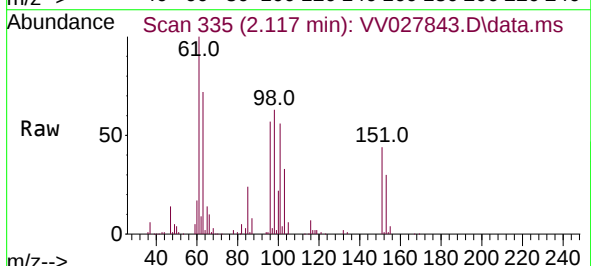
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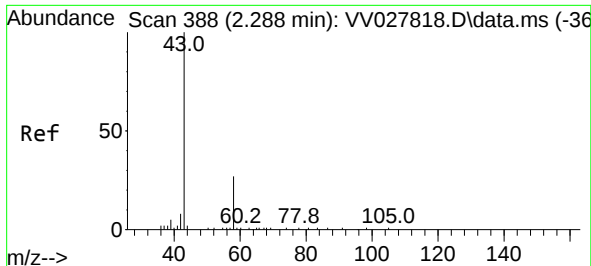
Tgt Ion:101 Resp: 49264
 Ion Ratio Lower Upper
 101 100
 85 42.9 35.8 53.8
 151 79.8 61.2 91.8



#12
 1,1-Dichloroethene
 Concen: 5.216 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV027843.D
 Acq: 14 Sep 2022 21:15

Tgt Ion: 96 Resp: 44896
 Ion Ratio Lower Upper
 96 100
 61 174.7 129.9 241.3
 63 126.4 94.6 175.8





#13

Acetone

Concen: 21.264 ug/L

RT: 2.175 min Scan# 3

Delta R.T. -0.000 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Instrument :

MSVOA_V

ClientSampleId :

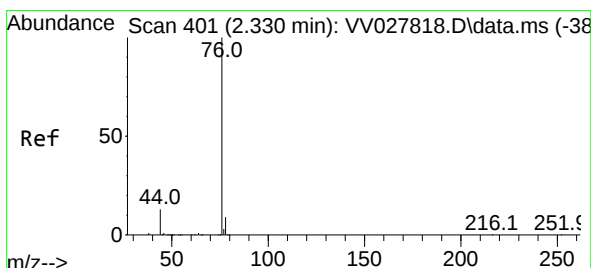
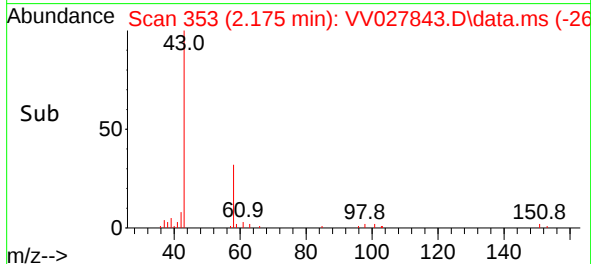
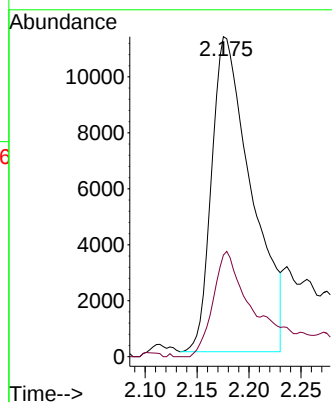
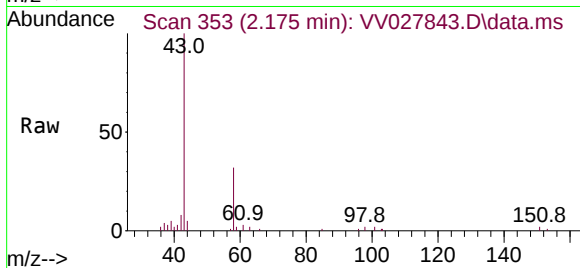
VSTD005289

Tgt Ion: 43 Resp: 30061

Ion Ratio Lower Upper

43 100

58 34.7 0.0 49.4



#14

Carbon disulfide

Concen: 4.477 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.006 min

Lab File: VV027843.D

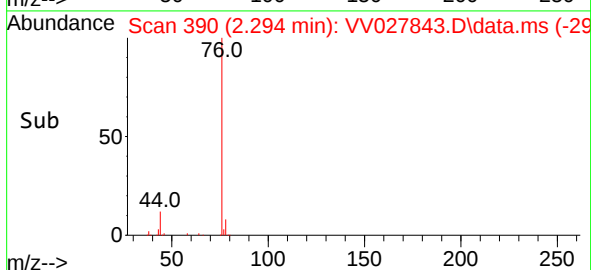
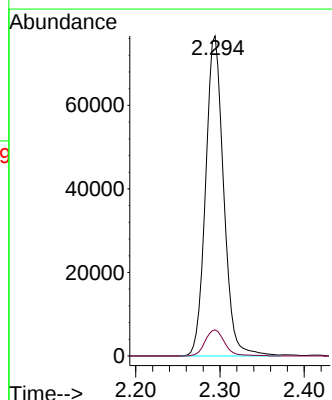
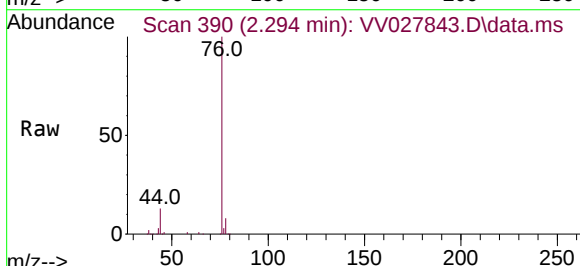
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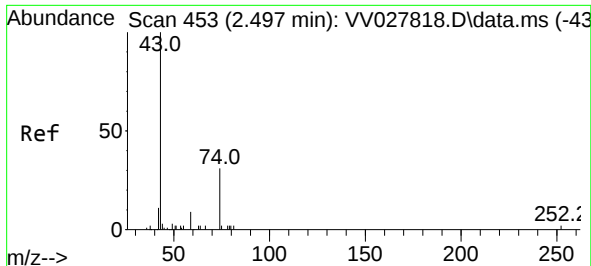
Tgt Ion: 76 Resp: 114422

Ion Ratio Lower Upper

76 100

78 8.2 7.7 11.5

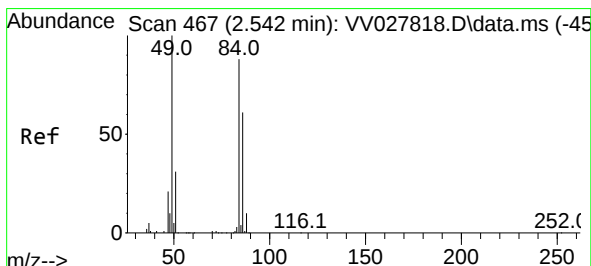
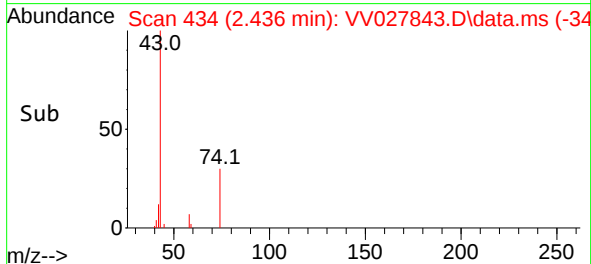
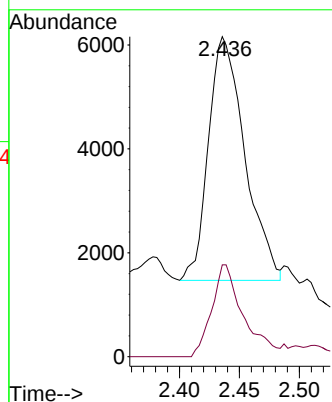
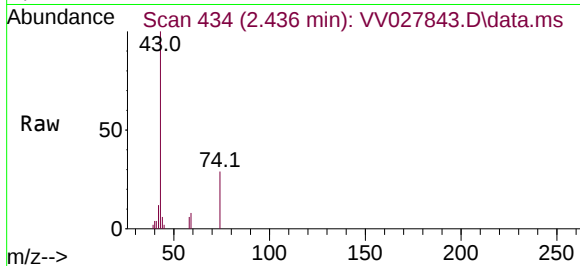




#15
Methyl Acetate
Concen: 2.641 ug/L
RT: 2.436 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

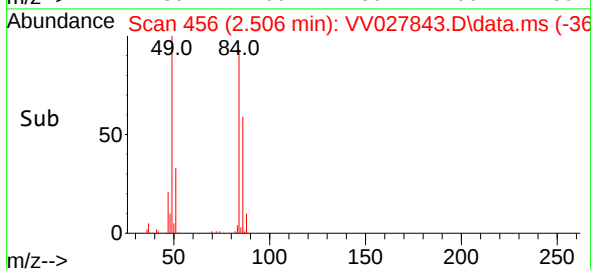
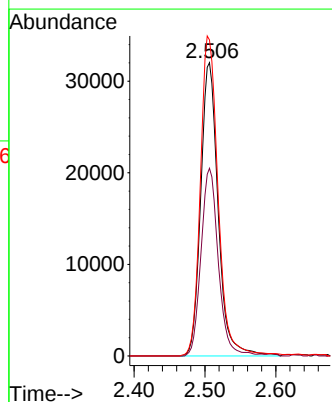
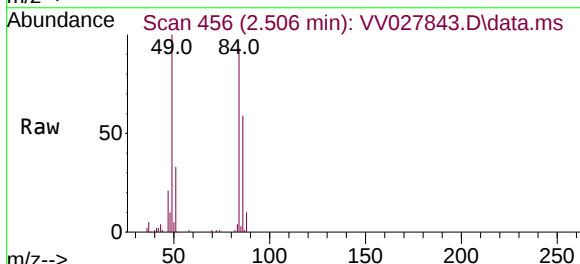
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

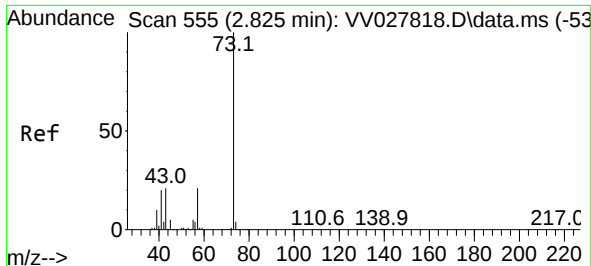
Tgt Ion: 43 Resp: 9903
Ion Ratio Lower Upper
43 100
74 32.5 16.6 25.0#



#16
Methylene chloride
Concen: 4.937 ug/L
RT: 2.506 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

Tgt Ion: 84 Resp: 54720
Ion Ratio Lower Upper
84 100
86 64.0 44.9 83.3
49 107.7 90.1 167.3





#17

Methyl tert-butyl Ether

Concen: 4.670 ug/L

RT: 2.770 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

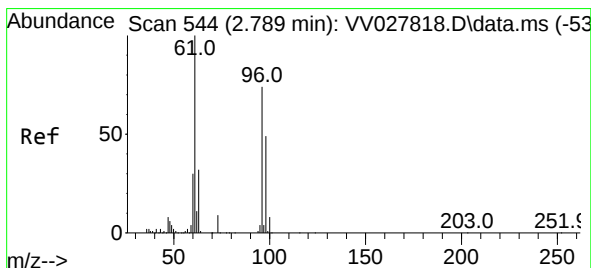
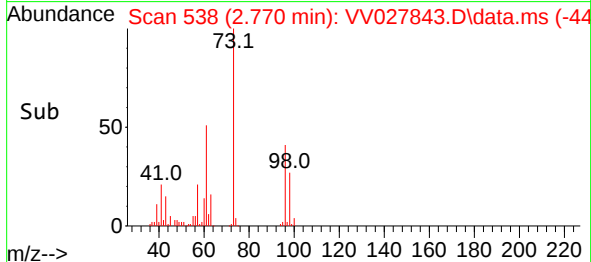
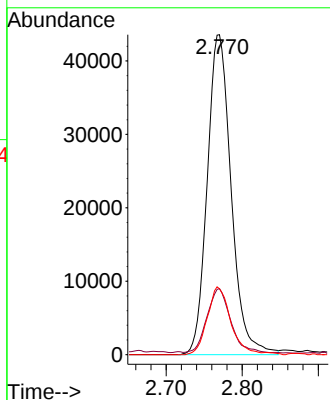
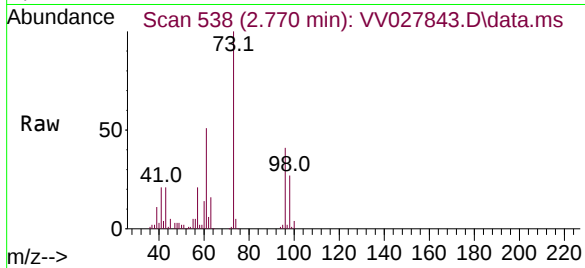
Tgt Ion: 73 Resp: 95418

Ion Ratio Lower Upper

73 100

43 19.4 17.5 26.3

57 20.6 16.9 25.3



#18

trans-1,2-Dichloroethene

Concen: 5.196 ug/L

RT: 2.760 min Scan# 535

Delta R.T. 0.006 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

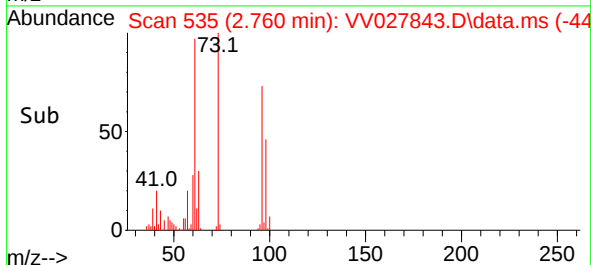
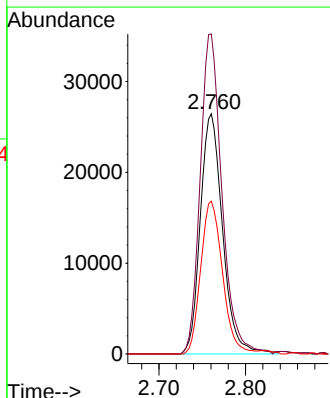
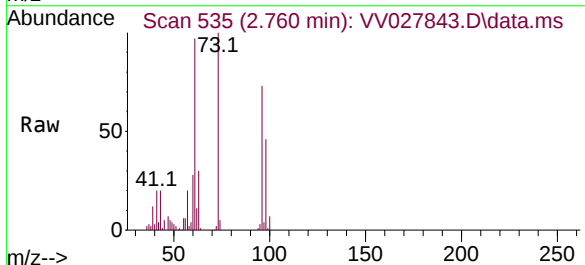
Tgt Ion: 96 Resp: 47236

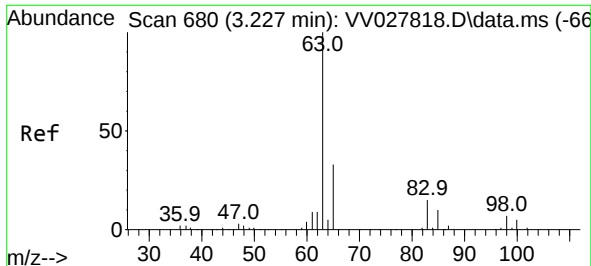
Ion Ratio Lower Upper

96 100

61 133.2 102.6 190.5

98 63.6 44.0 81.8

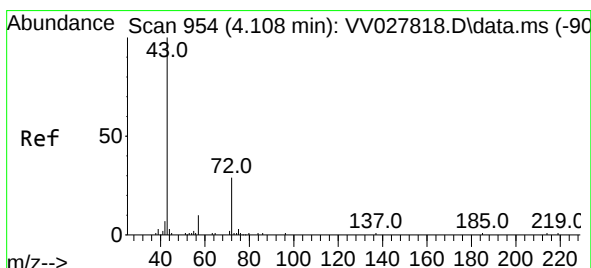
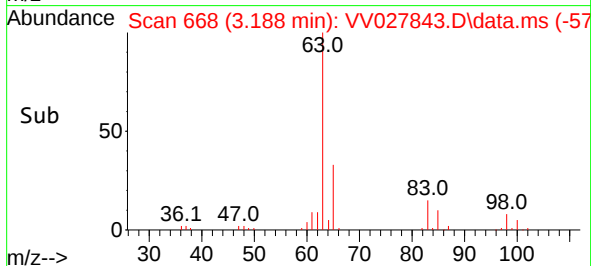
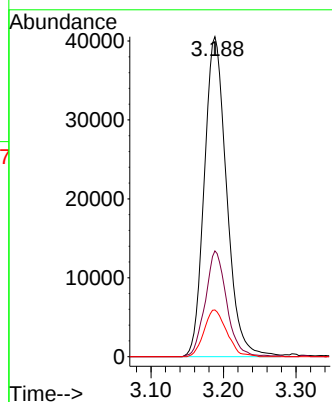
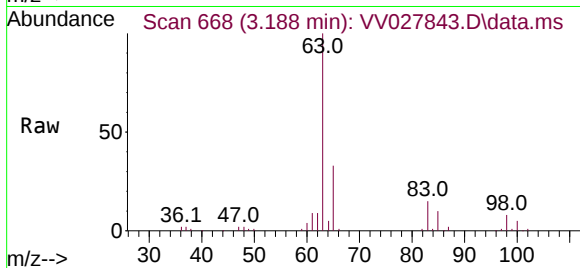




#19
1,1-Dichloroethane
Concen: 5.085 ug/L
RT: 3.188 min Scan# 610
Delta R.T. 0.003 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

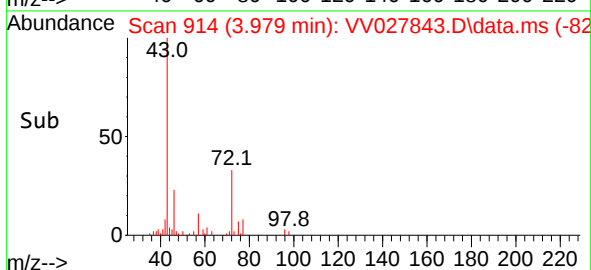
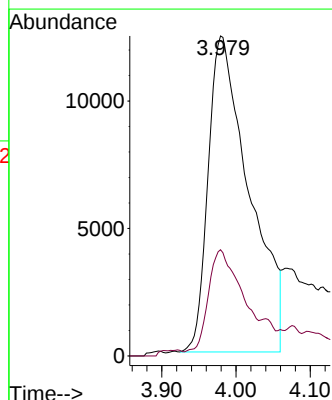
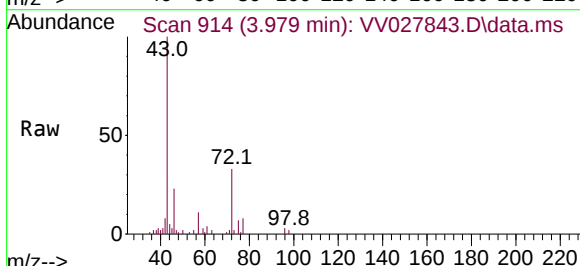
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

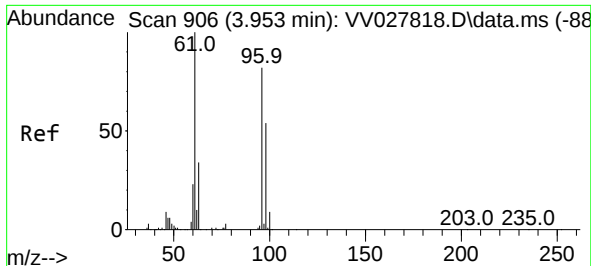
Tgt Ion:	63	Resp:	86744
Ion	Ratio	Lower	Upper
63	100		
65	33.0	22.0	41.0
83	14.6	10.1	18.9



#21
2-Butanone
Concen: 23.914 ug/L
RT: 3.979 min Scan# 914
Delta R.T. -0.000 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

Tgt Ion:	43	Resp:	47722
Ion	Ratio	Lower	Upper
43	100		
72	25.9	13.0	39.0

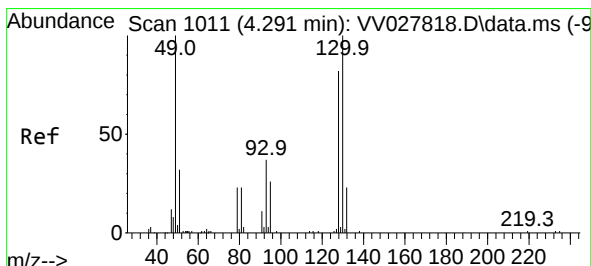
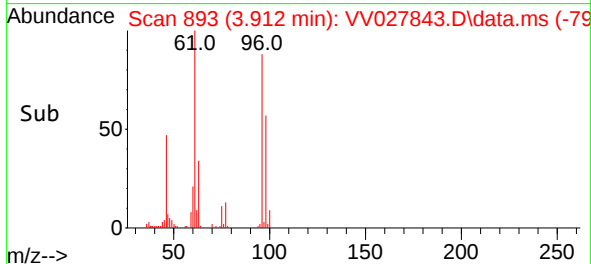
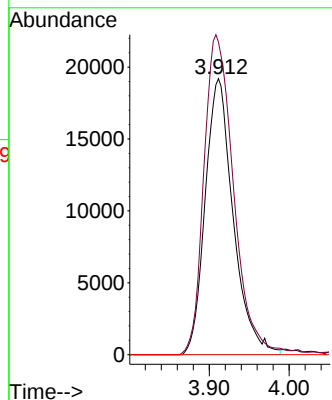
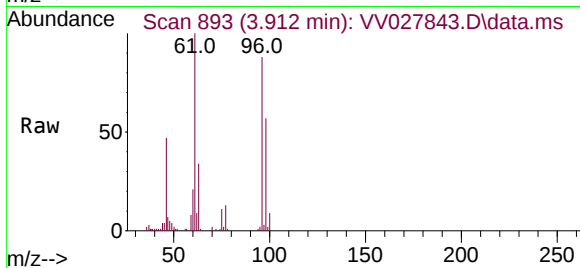




#22
 cis-1,2-Dichloroethene
 Concen: 4.724 ug/L
 RT: 3.912 min Scan# 891
 Delta R.T. 0.006 min
 Lab File: VV027843.D
 Acq: 14 Sep 2022 21:15

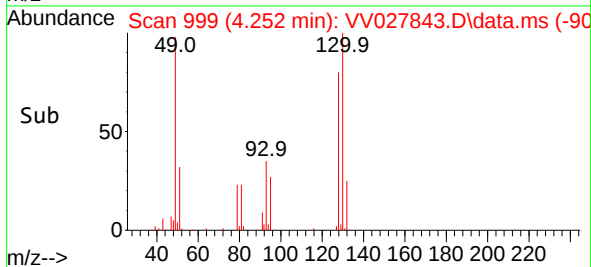
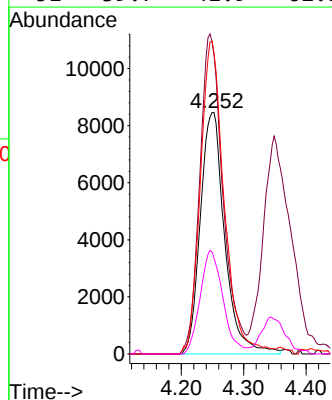
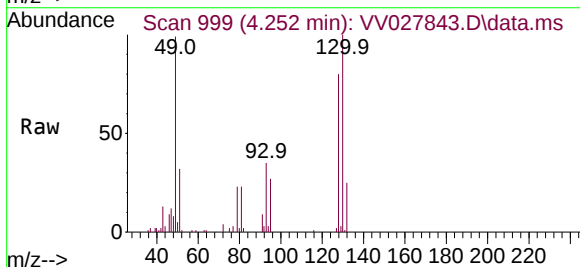
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005289

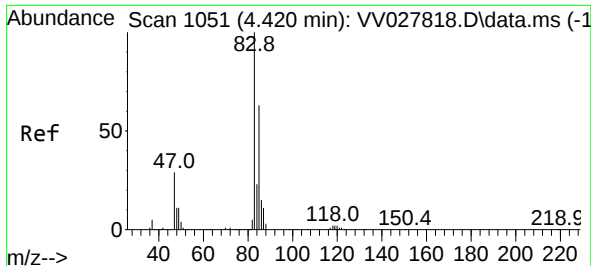
Tgt Ion: 96 Resp: 46800
 Ion Ratio Lower Upper
 96 100
 61 113.3 94.6 175.6
 68 0.0 0.3 0.5#



#23
 Bromochloromethane
 Concen: 5.518 ug/L
 RT: 4.252 min Scan# 999
 Delta R.T. 0.009 min
 Lab File: VV027843.D
 Acq: 14 Sep 2022 21:15

Tgt Ion: 128 Resp: 22956
 Ion Ratio Lower Upper
 128 100
 49 123.9 118.4 219.8
 130 124.7 89.2 165.6
 51 39.7 41.9 62.9#





#25

Chloroform

Concen: 5.298 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Instrument :

MSVOA_V

ClientSampleId :

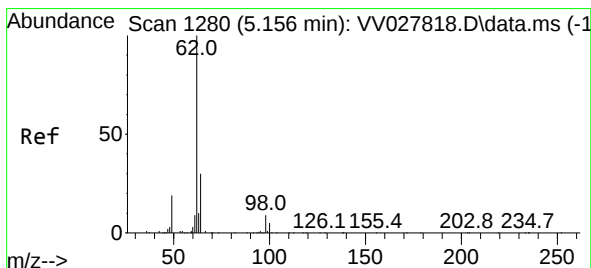
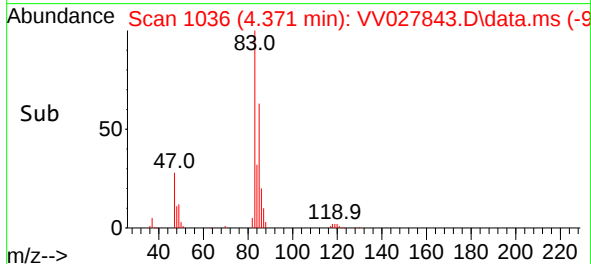
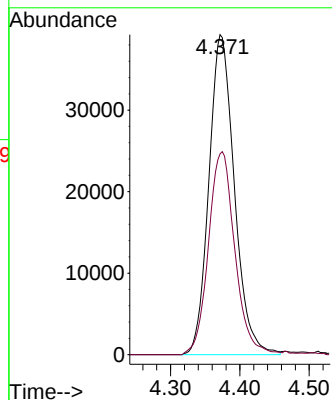
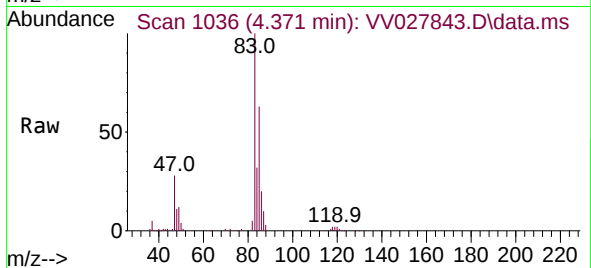
VSTD005289

Tgt Ion: 83 Resp: 100283

Ion Ratio Lower Upper

83 100

85 62.7 45.4 84.2



#27

1,2-Dichloroethane

Concen: 4.833 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.006 min

Lab File: VV027843.D

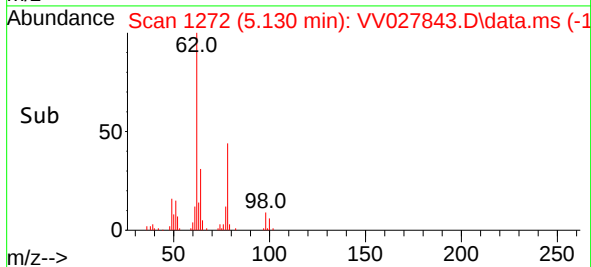
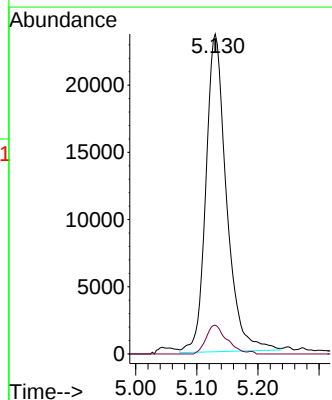
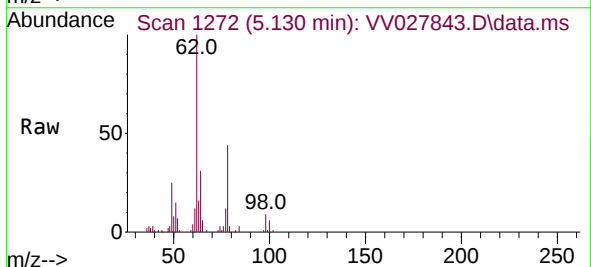
Acq: 14 Sep 2022 21:15

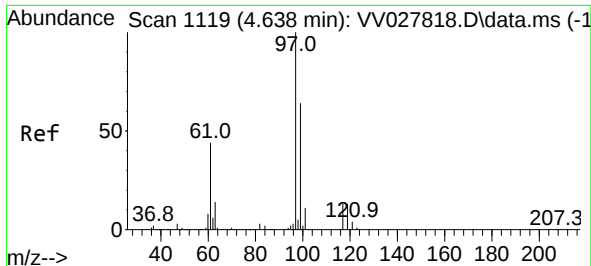
Tgt Ion: 62 Resp: 55464

Ion Ratio Lower Upper

62 100

98 9.0 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 4.746 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

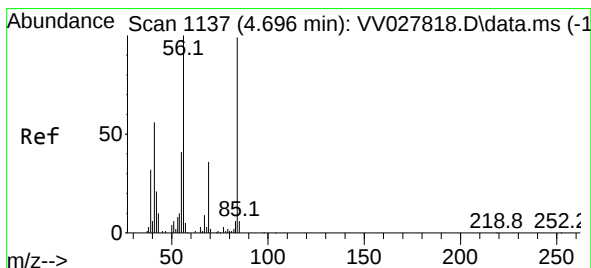
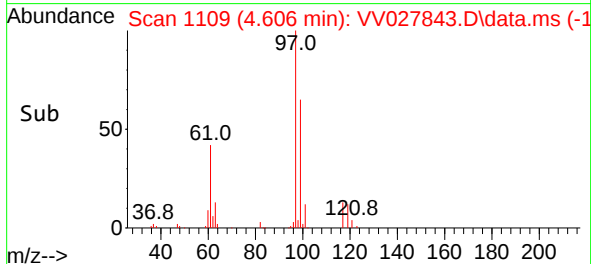
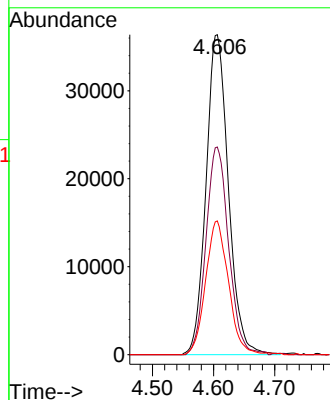
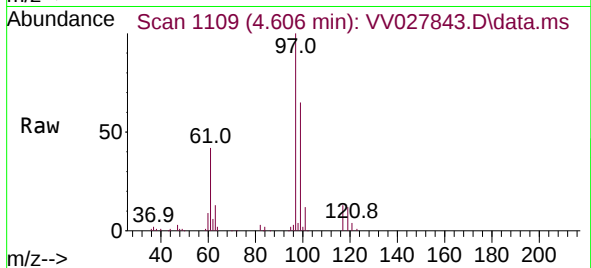
Tgt Ion: 97 Resp: 92602

Ion Ratio Lower Upper

97 100

99 65.5 50.8 76.2

61 42.6 36.2 54.4



#30

Cyclohexane

Concen: 3.712 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

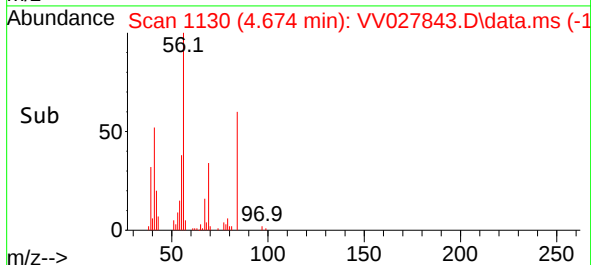
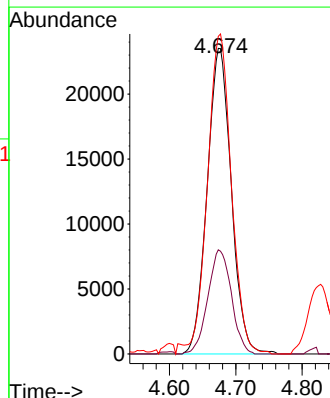
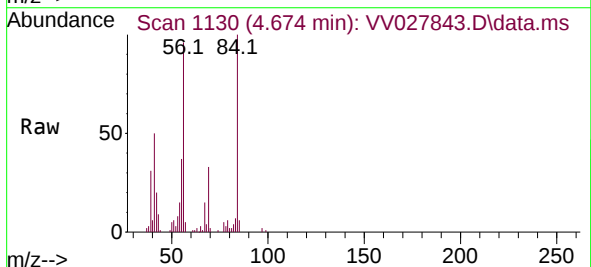
Tgt Ion: 56 Resp: 59514

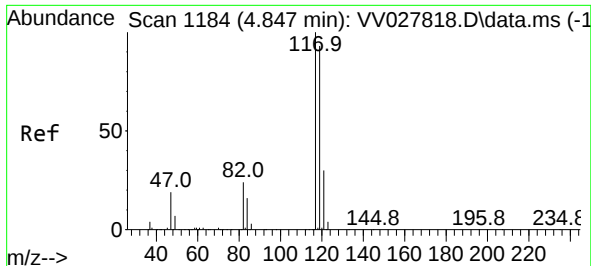
Ion Ratio Lower Upper

56 100

69 33.2 25.4 38.2

84 103.1 73.8 110.8

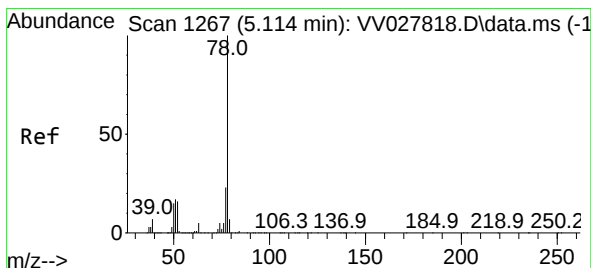
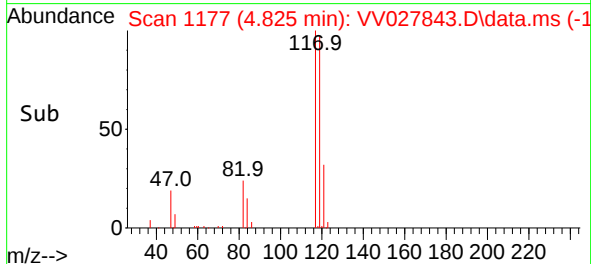
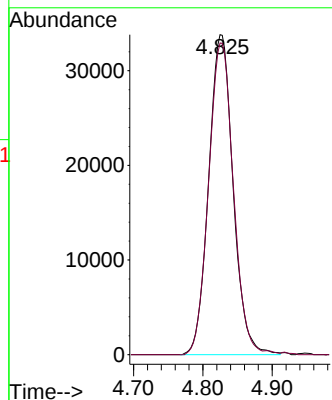
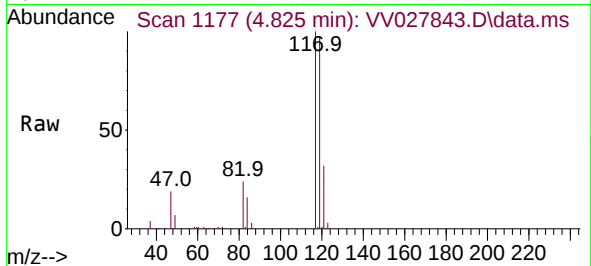




#31
Carbon tetrachloride
Concen: 4.994 ug/L
RT: 4.825 min Scan# 1184
Delta R.T. 0.003 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

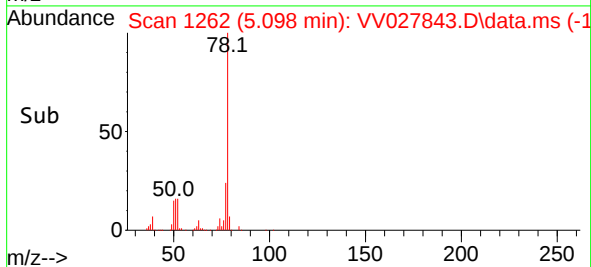
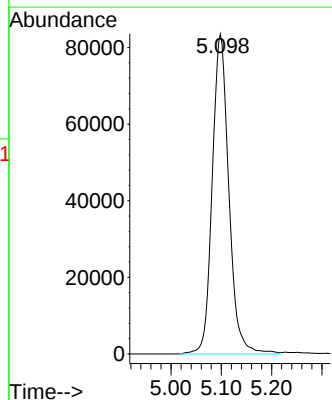
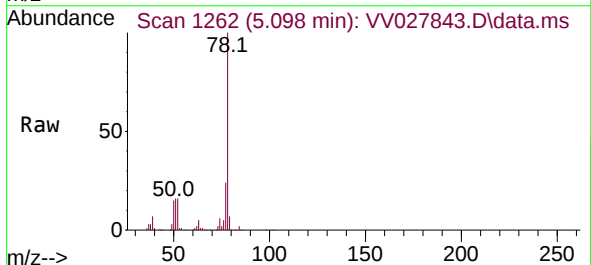
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

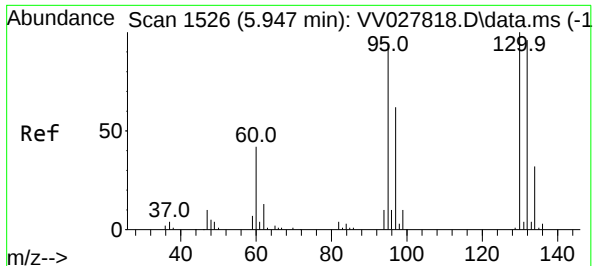
Tgt Ion:117 Resp: 82798
Ion Ratio Lower Upper
117 100
119 98.5 75.8 113.8



#33
Benzene
Concen: 4.566 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

Tgt Ion: 78 Resp: 191317



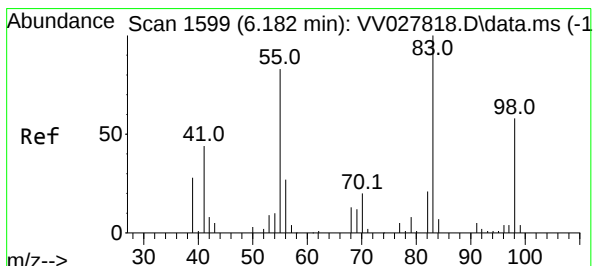
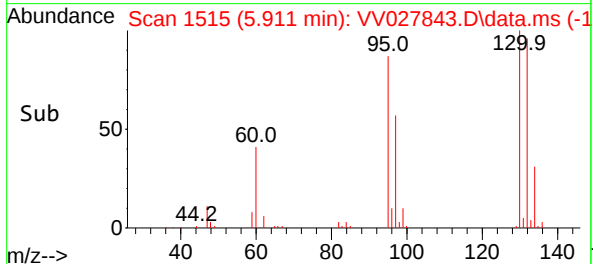
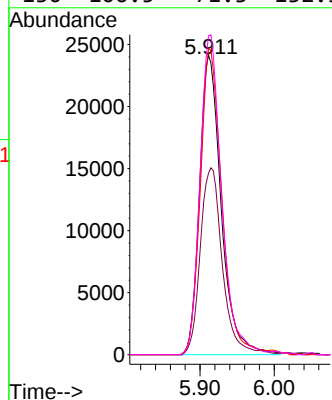
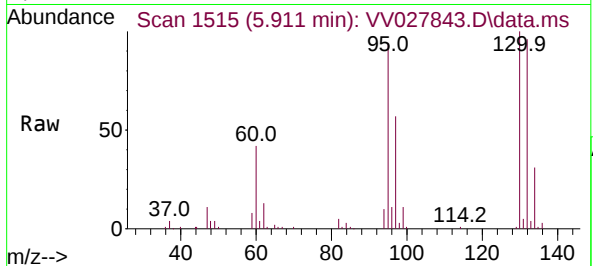


#34
Trichloroethene
Concen: 4.681 ug/L
RT: 5.911 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

Tgt Ion: 95 Resp: 49094

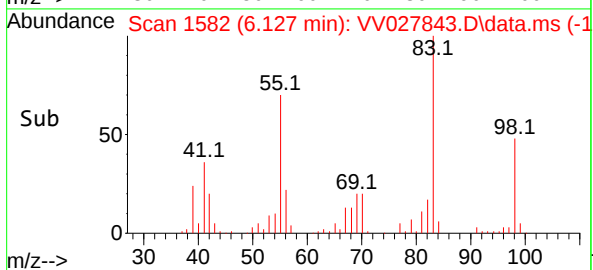
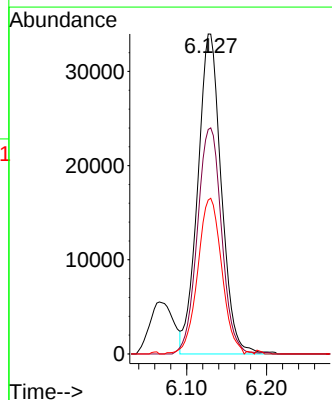
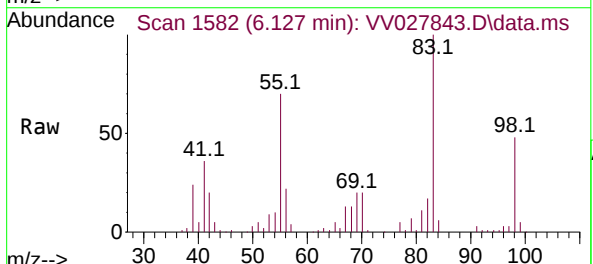
Ion	Ratio	Lower	Upper
95	100		
97	60.6	42.9	79.7
132	102.2	67.9	126.1
130	106.5	71.3	132.3

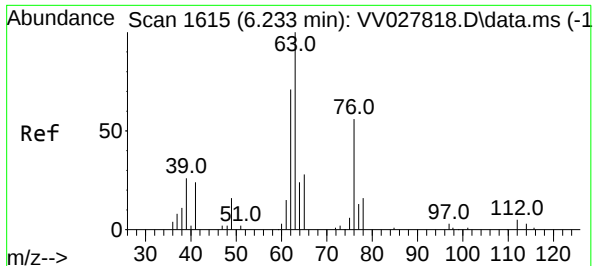


#35
Methylcyclohexane
Concen: 4.338 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.003 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

Tgt Ion: 83 Resp: 69863

Ion	Ratio	Lower	Upper
83	100		
55	72.5	61.9	92.9
98	49.7	37.5	56.3





#37

1,2-Dichloropropane

Concen: 4.535 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Instrument :

MSVOA_V

ClientSampleId :

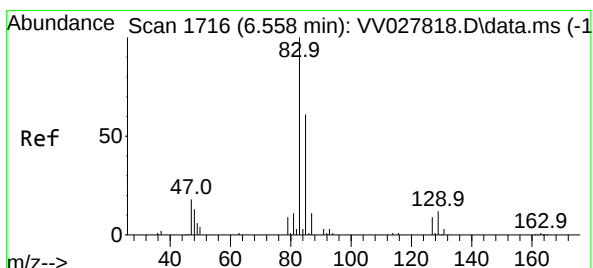
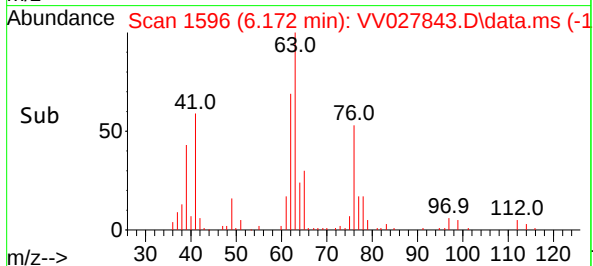
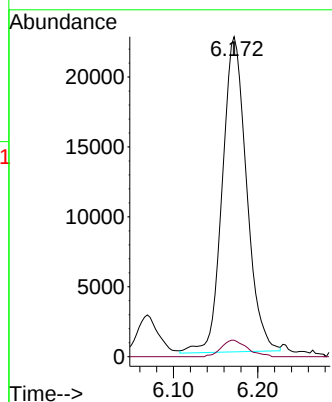
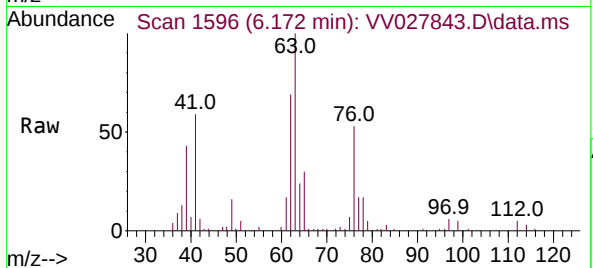
VSTD005289

Tgt Ion: 63 Resp: 45086

Ion Ratio Lower Upper

63 100

112 5.6 4.0 6.0



#38

Bromodichloromethane

Concen: 4.953 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

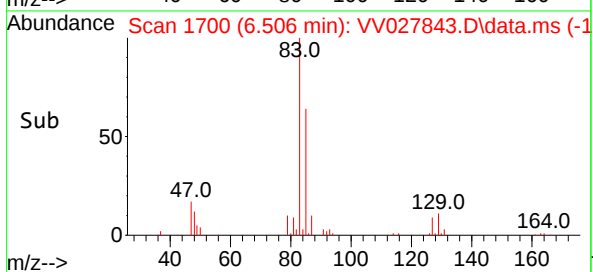
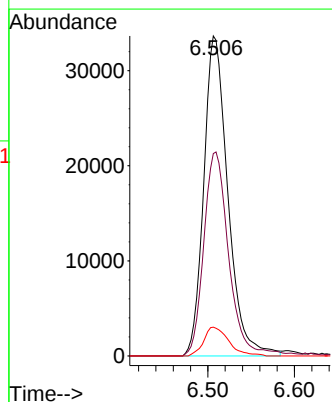
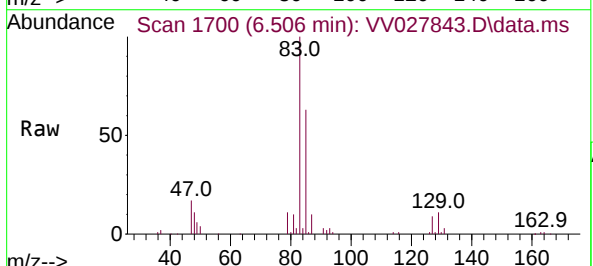
Tgt Ion: 83 Resp: 65304

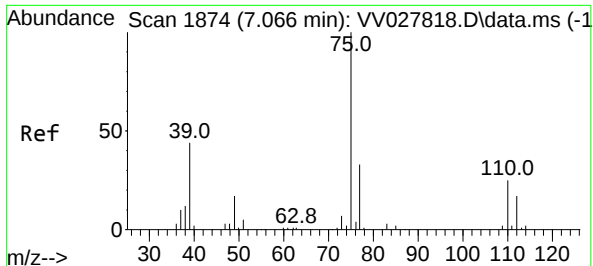
Ion Ratio Lower Upper

83 100

85 63.2 43.3 80.3

127 9.0 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 4.630 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Instrument :

MSVOA_V

ClientSampleId :

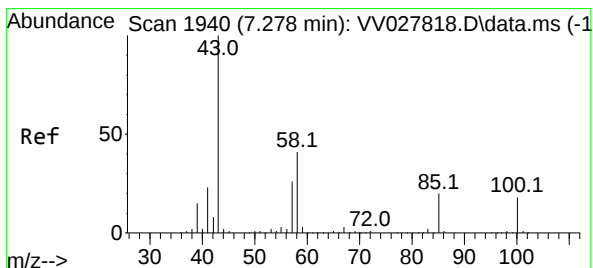
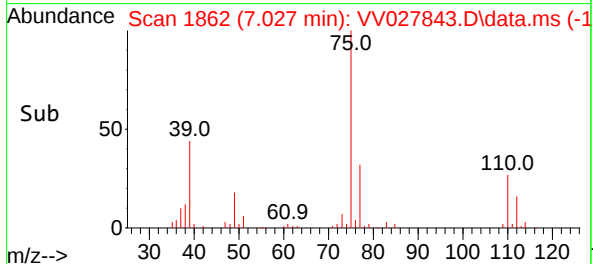
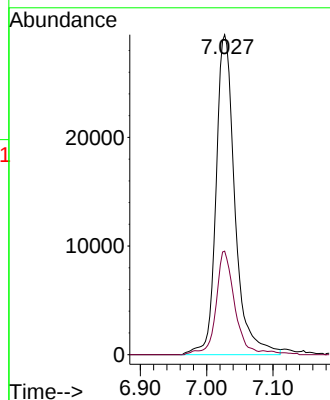
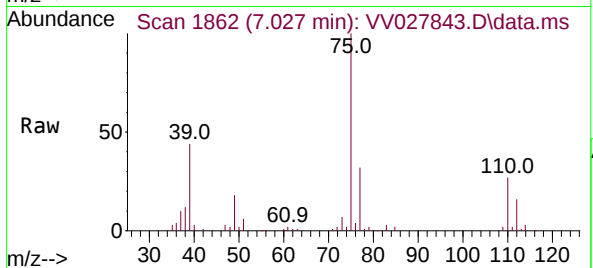
VSTD005289

Tgt Ion: 75 Resp: 58124

Ion Ratio Lower Upper

75 100

77 32.3 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 47.196 ug/L

RT: 7.226 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

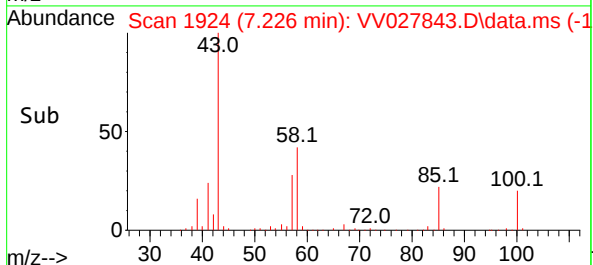
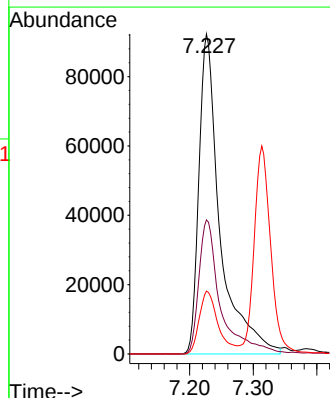
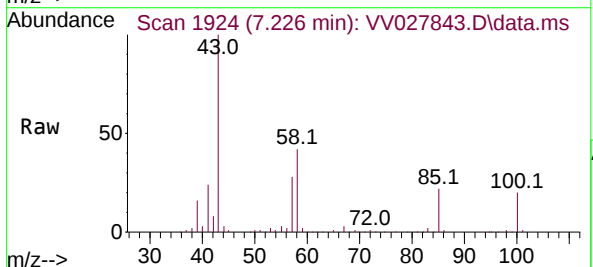
Tgt Ion: 43 Resp: 212686

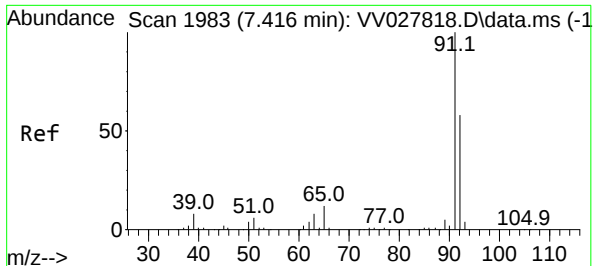
Ion Ratio Lower Upper

43 100

58 42.8 30.9 46.3

100 17.6 13.4 20.0





#42

Toluene

Concen: 5.449 ug/L

RT: 7.384 min Scan# 1983

Delta R.T. -0.000 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Instrument :

MSVOA_V

ClientSampleId :

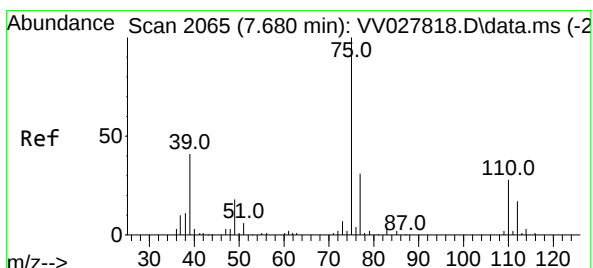
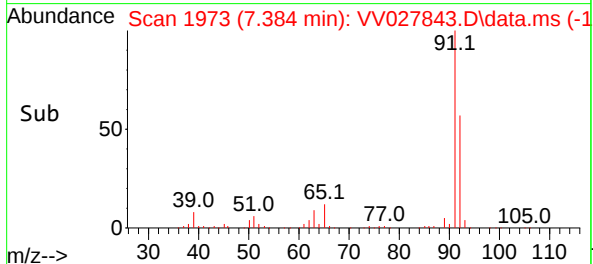
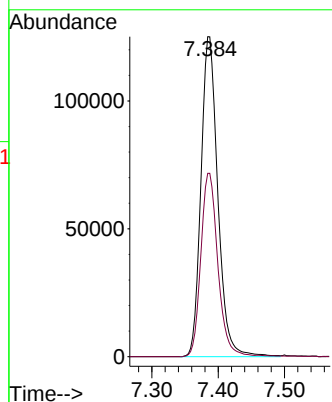
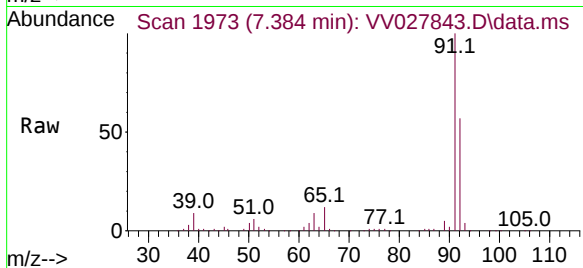
VSTD005289

Tgt Ion: 91 Resp: 221150

Ion Ratio Lower Upper

91 100

92 57.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.972 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VV027843.D

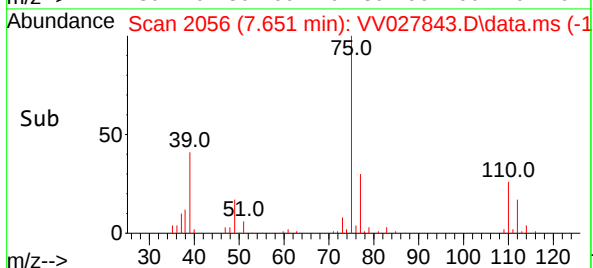
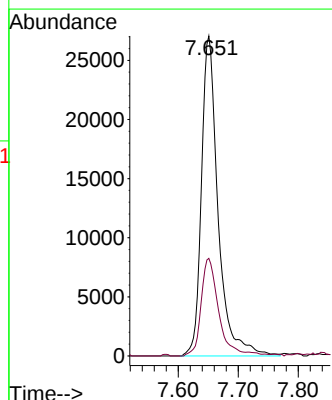
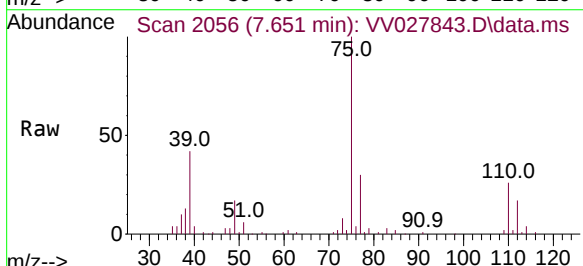
Acq: 14 Sep 2022 21:15

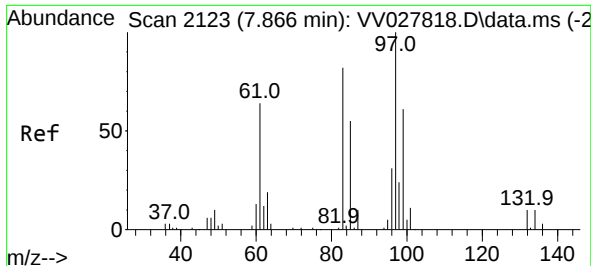
Tgt Ion: 75 Resp: 52384

Ion Ratio Lower Upper

75 100

77 30.5 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 5.120 ug/L

RT: 7.837 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

Tgt Ion: 97 Resp: 32983

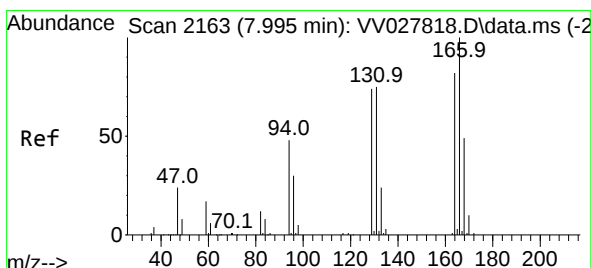
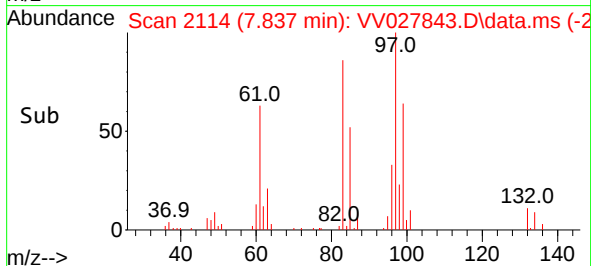
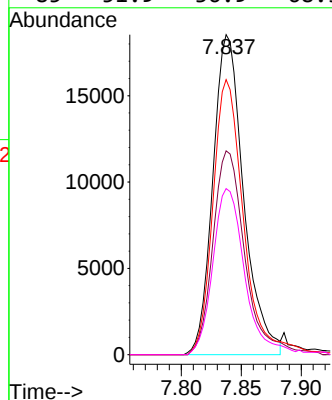
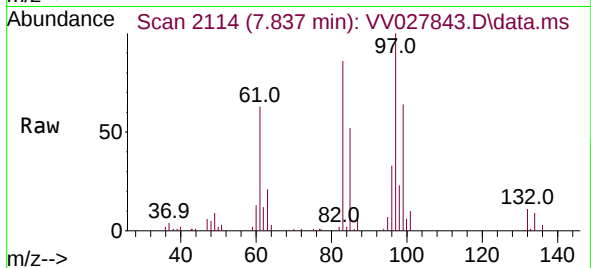
Ion Ratio Lower Upper

97 100

99 63.7 44.2 82.0

83 86.0 60.3 112.1

85 51.9 36.9 68.5



#47

Tetrachloroethene

Concen: 5.230 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Tgt Ion: 164 Resp: 44014

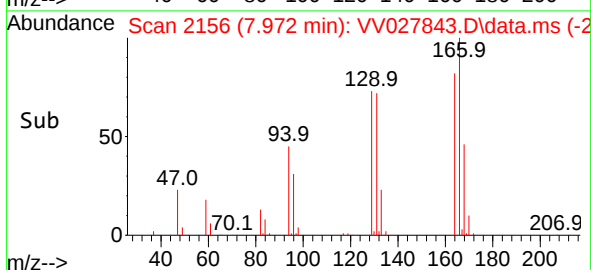
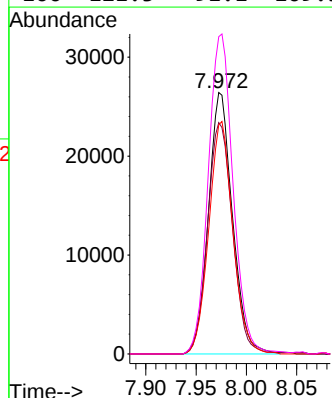
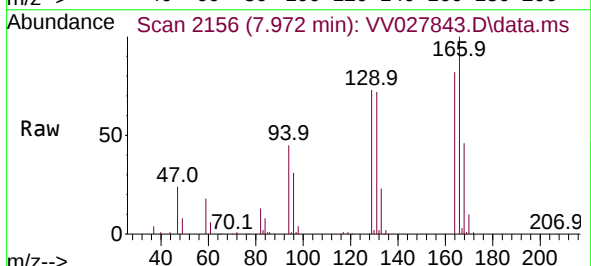
Ion Ratio Lower Upper

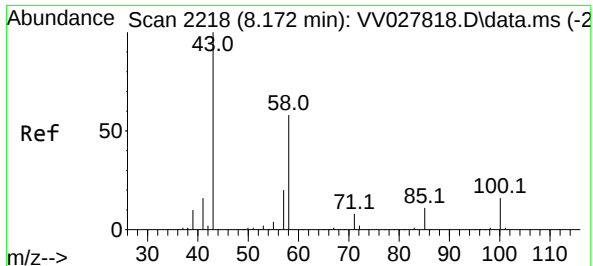
164 100

129 88.4 67.2 124.8

131 87.6 61.5 114.3

166 121.3 91.1 169.3

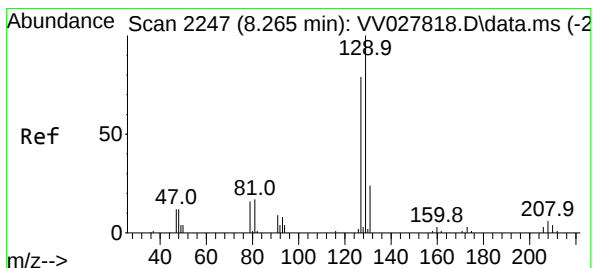
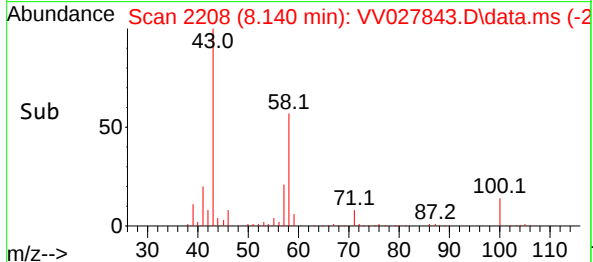
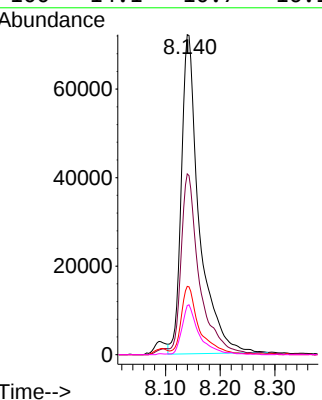
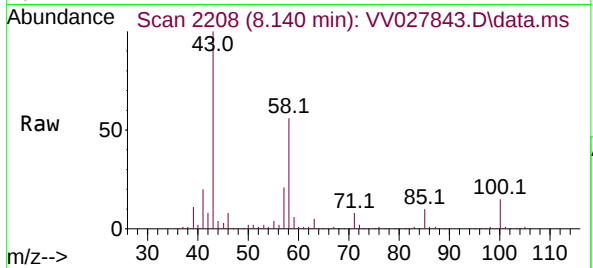




#48
2-Hexanone
Concen: 50.042 ug/L
RT: 8.140 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

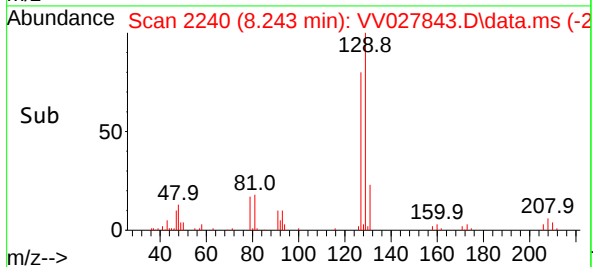
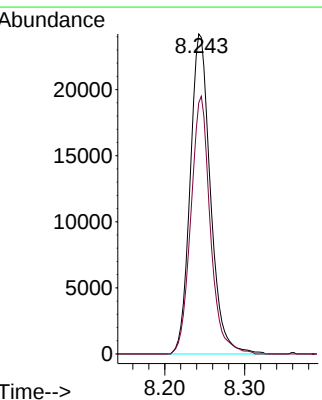
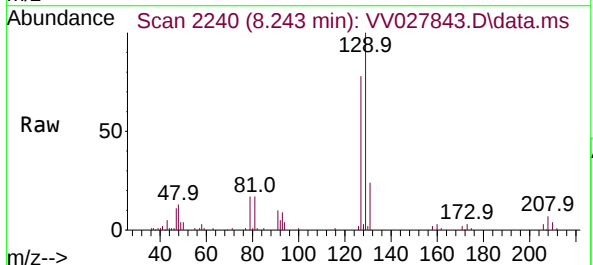
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

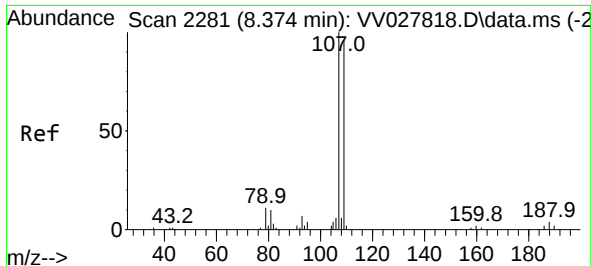
Tgt Ion: 43	Resp: 163949
Ion Ratio	Lower Upper
43 100	
58 59.0	43.2 64.8
57 20.8	15.6 23.4
100 14.1	10.7 16.1



#49
Dibromochloromethane
Concen: 5.218 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. -0.000 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

Tgt Ion:129	Resp:	42675	
Ion	Ratio	Lower	Upper
129	100		
127	78.5	55.2	102.6





#50

1,2-Dibromoethane

Concen: 5.110 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

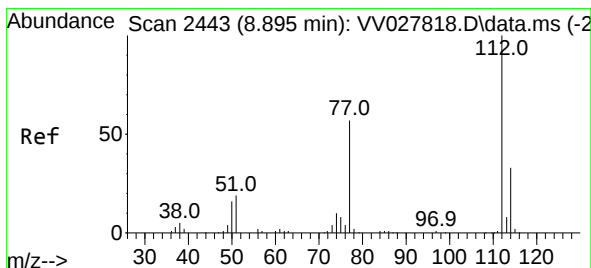
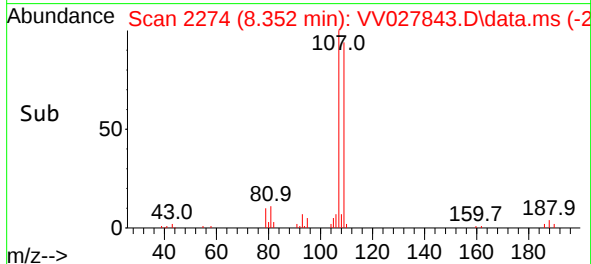
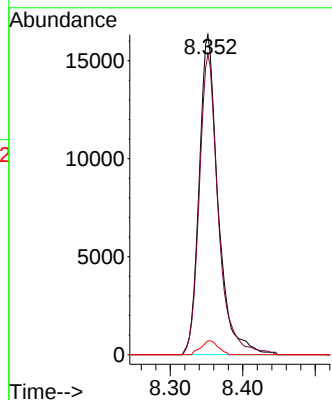
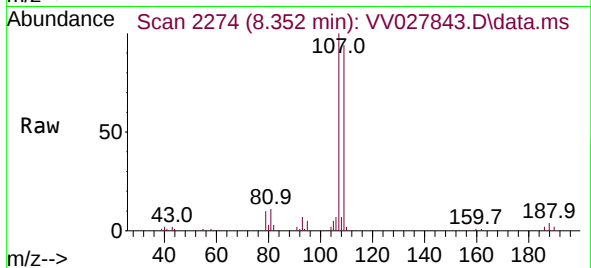
Tgt Ion:107 Resp: 29770

Ion Ratio Lower Upper

107 100

109 93.9 65.9 122.5

188 4.3 3.1 4.7



#51

Chlorobenzene

Concen: 5.210 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.003 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

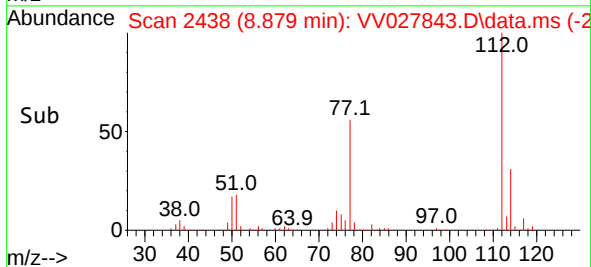
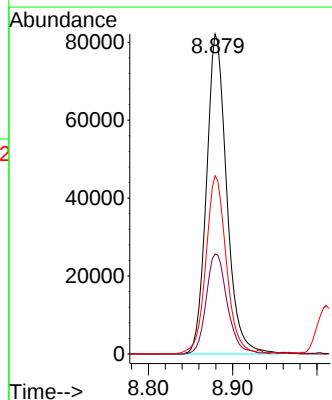
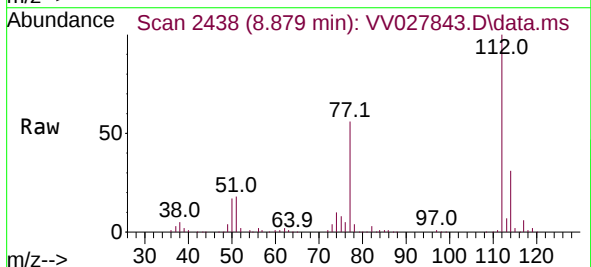
Tgt Ion:112 Resp: 137227

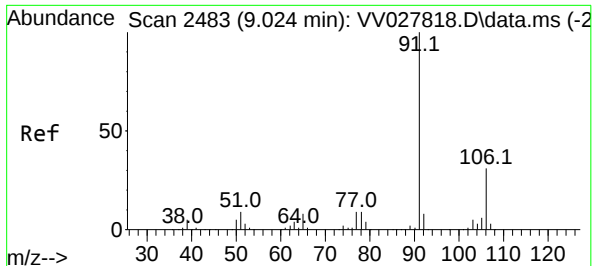
Ion Ratio Lower Upper

112 100

114 31.3 21.7 40.3

77 55.7 45.3 67.9





#52

Ethylbenzene

Concen: 5.156 ug/L

RT: 9.011 min Scan# 2483

Delta R.T. 0.003 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Instrument :

MSVOA_V

ClientSampleId :

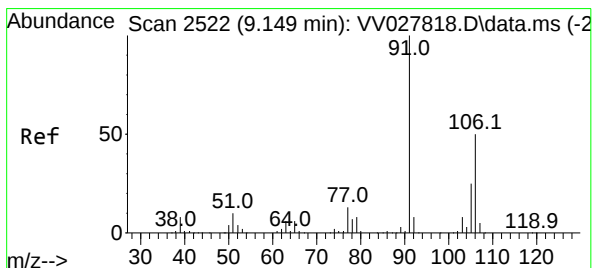
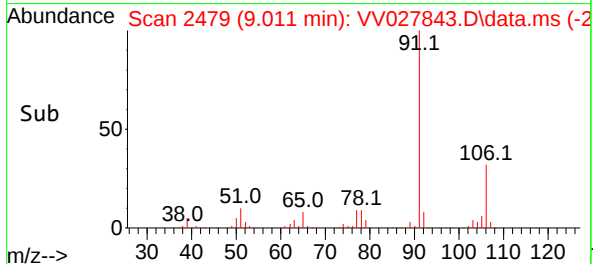
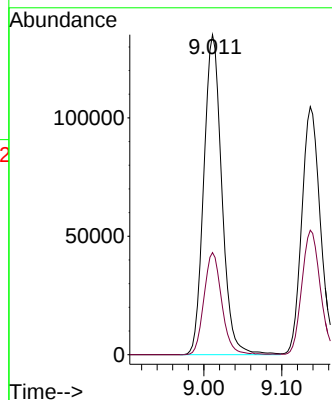
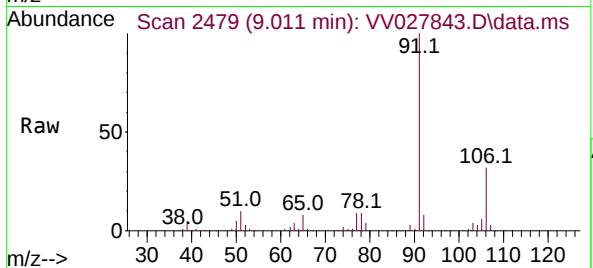
VSTD005289

Tgt Ion: 91 Resp: 217034

Ion Ratio Lower Upper

91 100

106 31.9 22.0 40.8



#53

m,p-Xylene

Concen: 5.237 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. 0.003 min

Lab File: VV027843.D

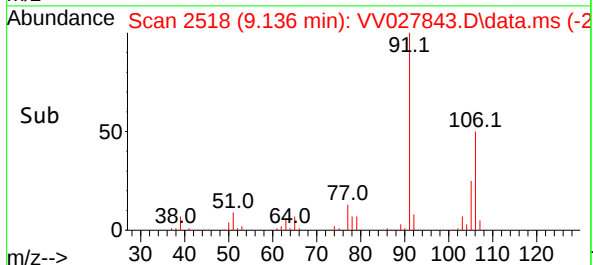
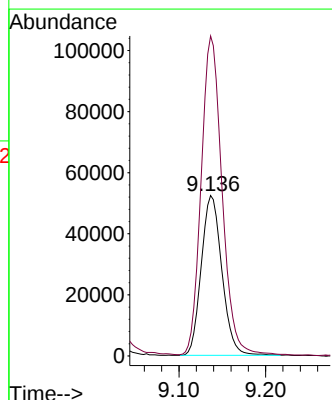
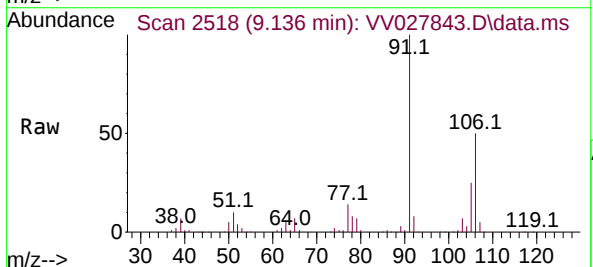
Acq: 14 Sep 2022 21:15

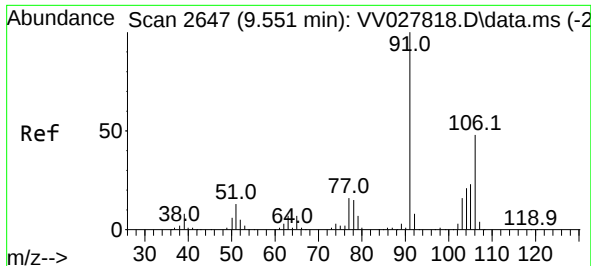
Tgt Ion: 106 Resp: 86701

Ion Ratio Lower Upper

106 100

91 199.3 142.4 264.4

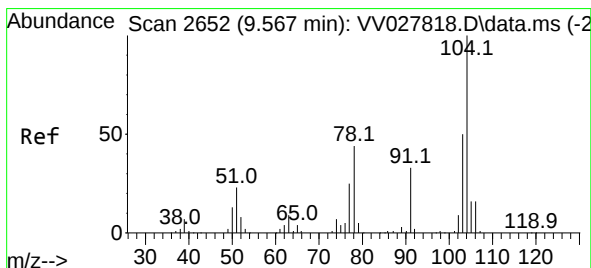
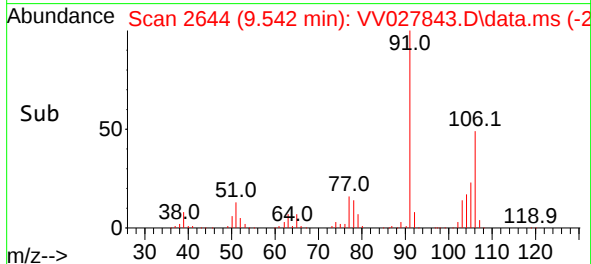
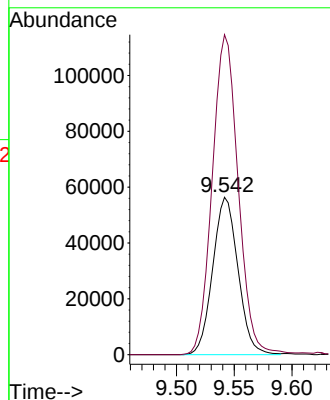
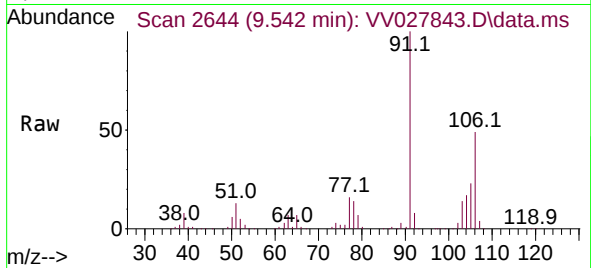




#54
o-Xylene
Concen: 5.438 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

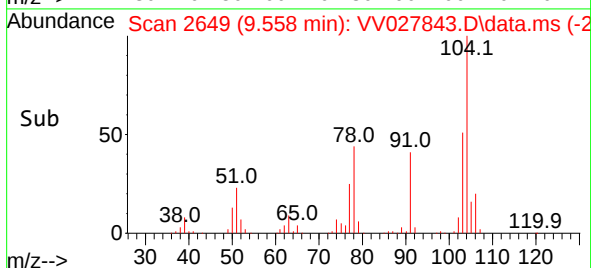
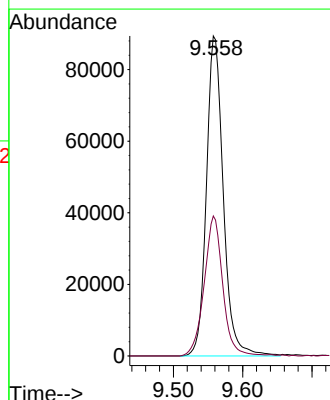
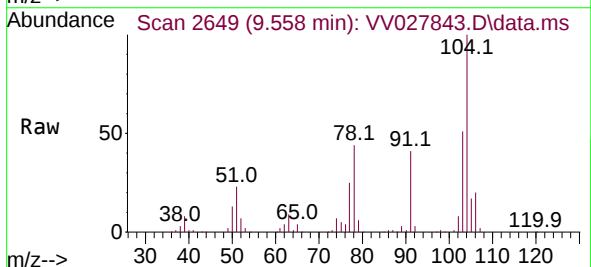
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

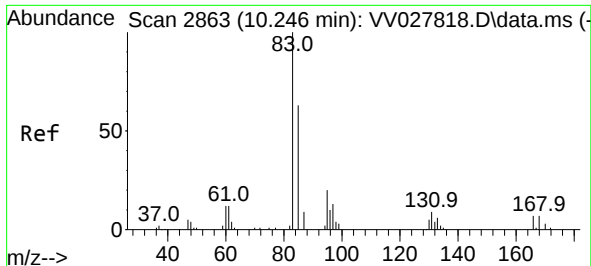
Tgt Ion:106 Resp: 85826
Ion Ratio Lower Upper
106 100
91 203.3 147.5 273.9



#55
Styrene
Concen: 5.536 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. -0.000 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

Tgt Ion:104 Resp: 151070
Ion Ratio Lower Upper
104 100
78 43.8 31.7 58.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.115 ug/L

RT: 10.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

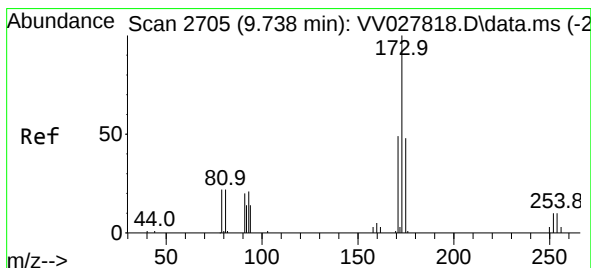
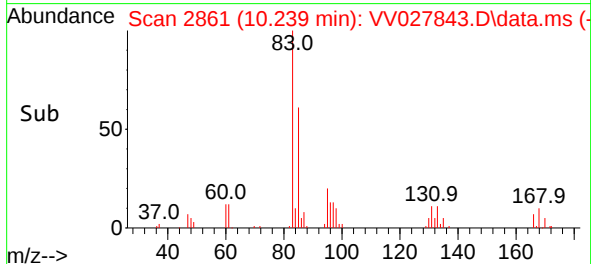
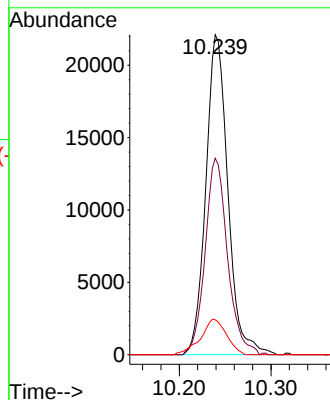
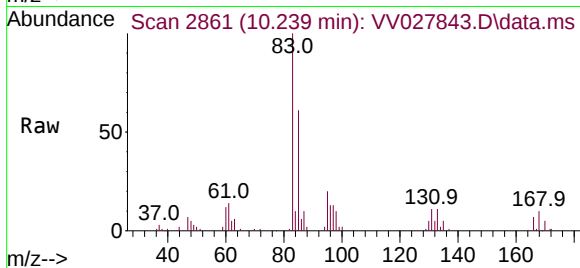
Tgt Ion: 83 Resp: 36929

Ion Ratio Lower Upper

83 100

85 61.4 44.7 83.1

131 10.9 8.5 12.7



#59

Bromoform

Concen: 4.986 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.003 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

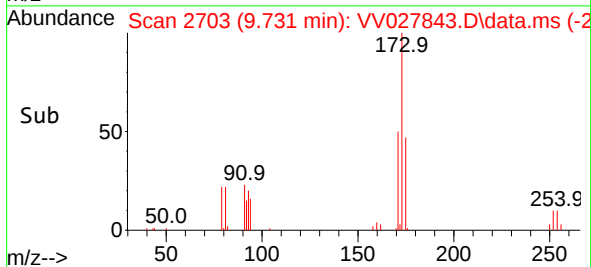
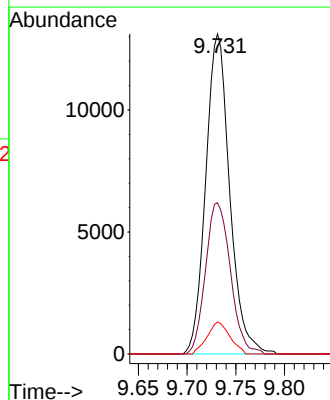
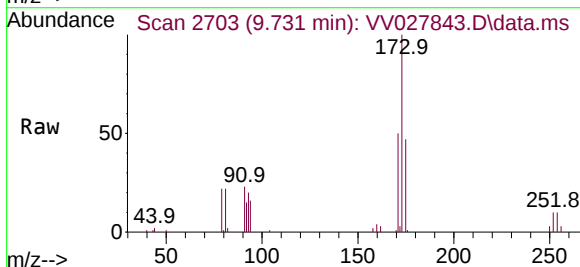
Tgt Ion: 173 Resp: 22441

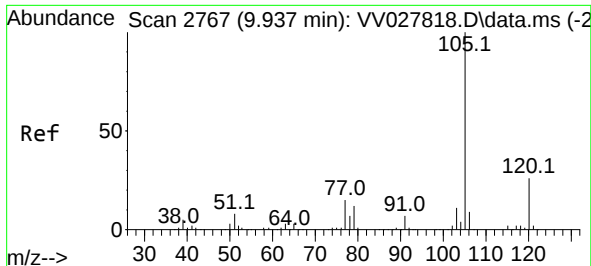
Ion Ratio Lower Upper

173 100

175 49.0 38.4 57.6

254 9.4 6.8 10.2

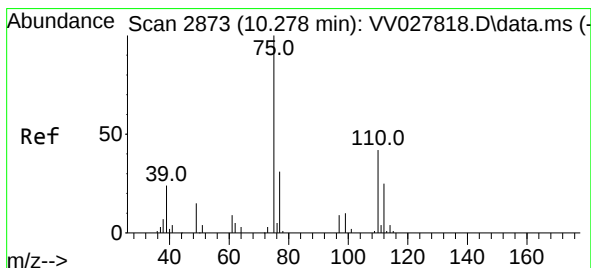
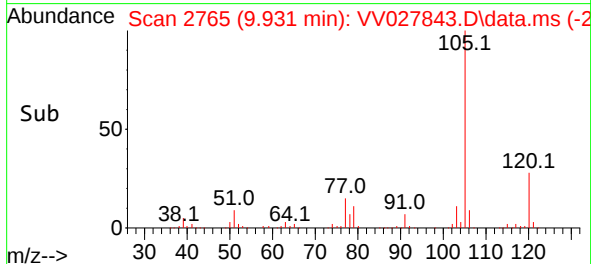
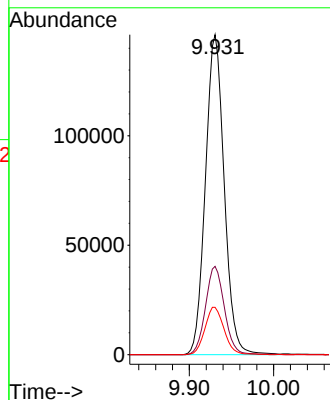
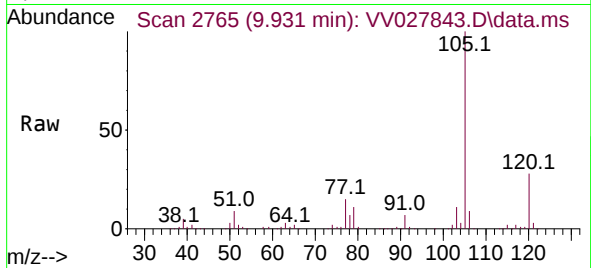




#60
Isopropylbenzene
Concen: 4.884 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

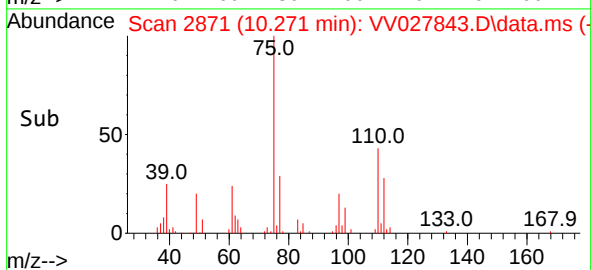
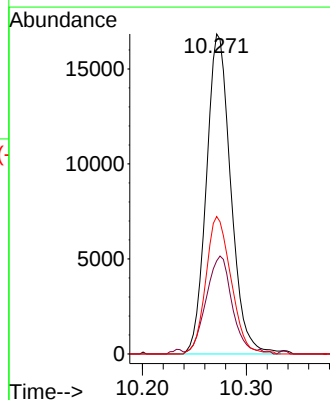
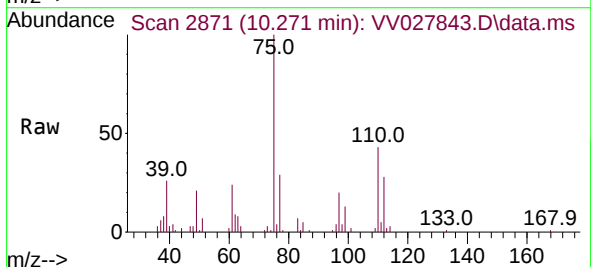
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

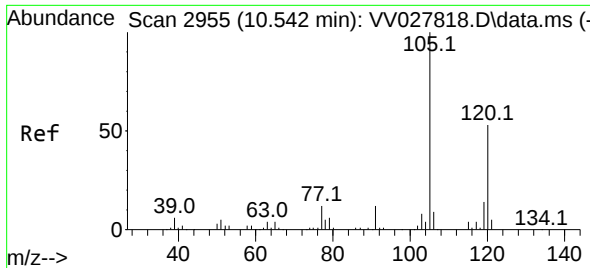
Tgt Ion:105 Resp: 227221
Ion Ratio Lower Upper
105 100
120 27.7 21.3 31.9
77 15.2 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 4.664 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. 0.003 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

Tgt Ion: 75 Resp: 27462
Ion Ratio Lower Upper
75 100
77 32.9 27.6 41.4
110 44.5 35.6 53.4

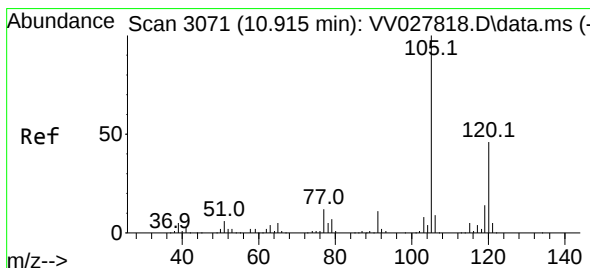
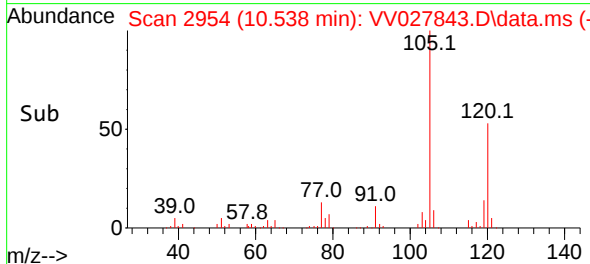
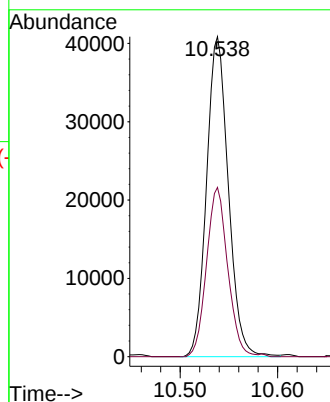
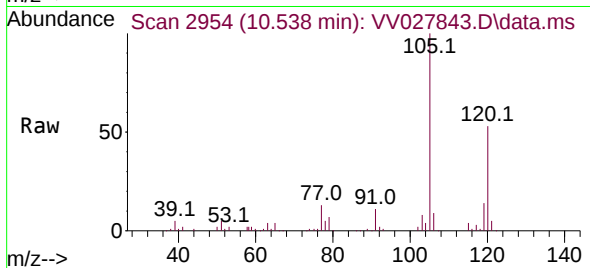




#62
 1,3,5-Trimethylbenzene
 Concen: 4.843 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.003 min
 Lab File: VV027843.D
 Acq: 14 Sep 2022 21:15

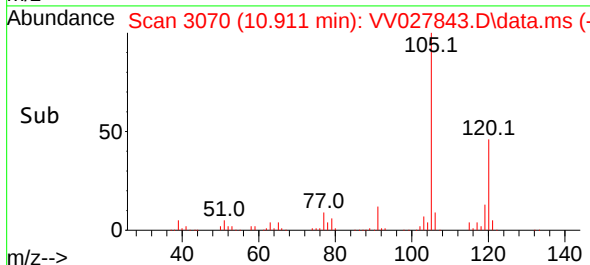
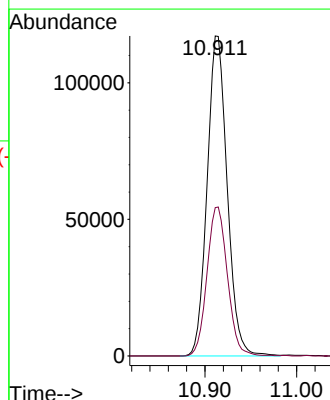
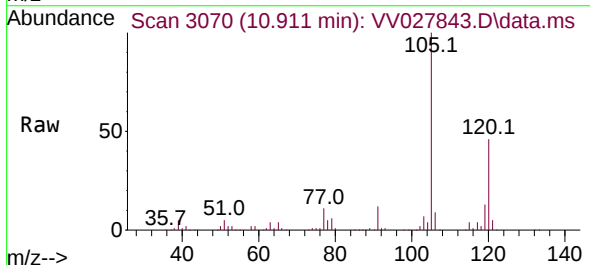
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005289

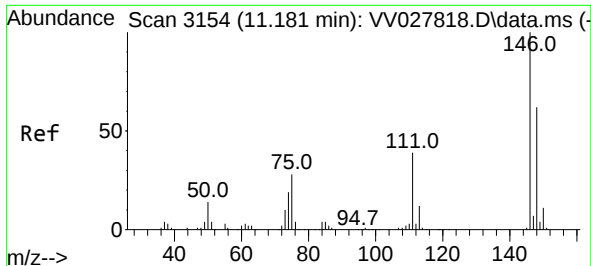
Tgt Ion:105 Resp: 63453
 Ion Ratio Lower Upper
 105 100
 120 51.6 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.781 ug/L
 RT: 10.911 min Scan# 3070
 Delta R.T. -0.000 min
 Lab File: VV027843.D
 Acq: 14 Sep 2022 21:15

Tgt Ion:105 Resp: 178055
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.4 56.0





#64

1,3-Dichlorobenzene

Concen: 4.961 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. -0.000 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

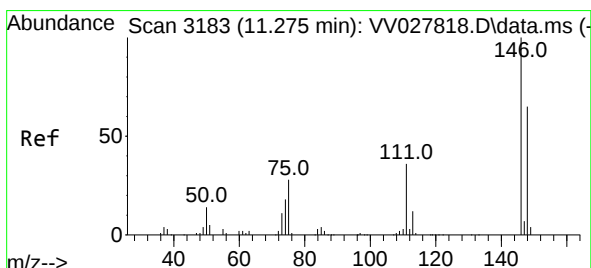
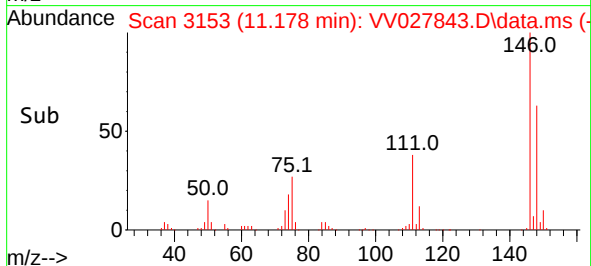
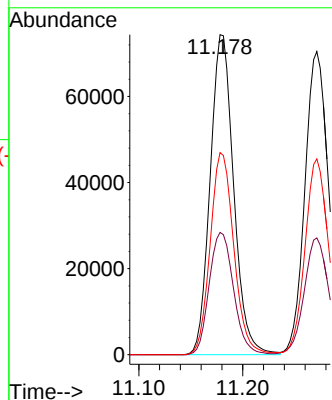
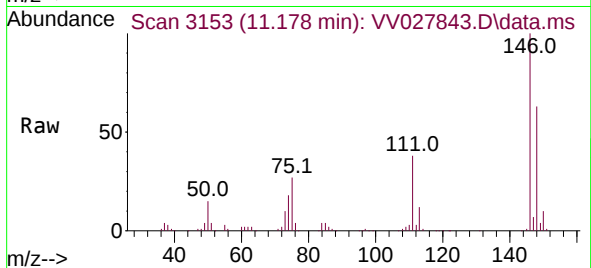
Tgt Ion:146 Resp: 116865

Ion Ratio Lower Upper

146 100

111 38.2 27.9 51.9

148 63.1 46.0 85.4



#65

1,4-Dichlorobenzene

Concen: 4.781 ug/L

RT: 11.271 min Scan# 3182

Delta R.T. -0.000 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

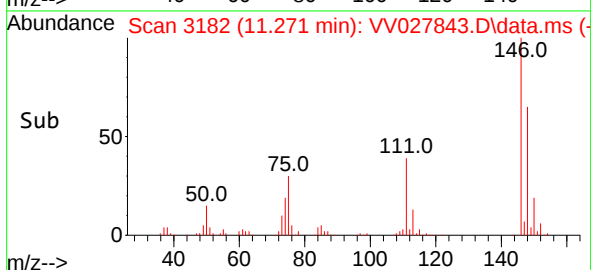
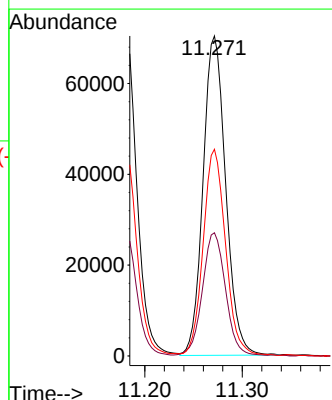
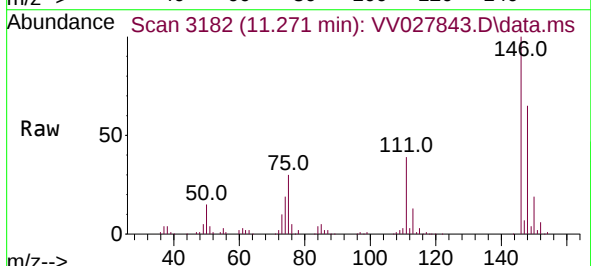
Tgt Ion:146 Resp: 113504

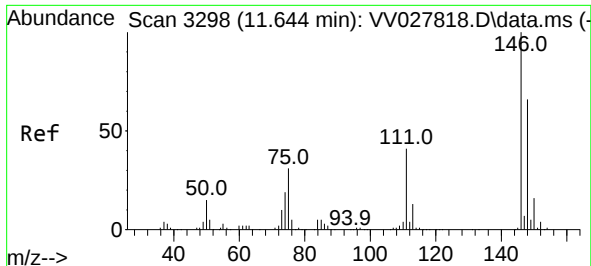
Ion Ratio Lower Upper

146 100

111 38.5 26.5 49.3

148 64.6 42.8 79.4

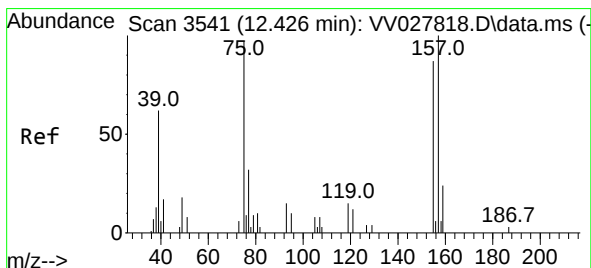
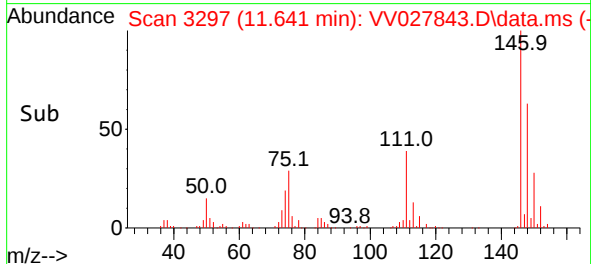
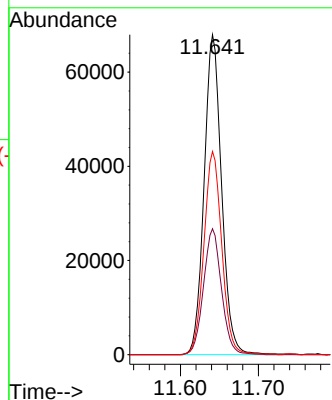
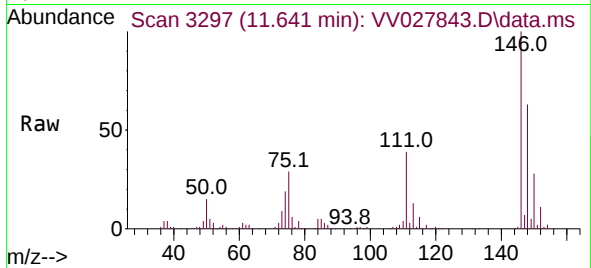




#67
1,2-Dichlorobenzene
Concen: 4.953 ug/L
RT: 11.641 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

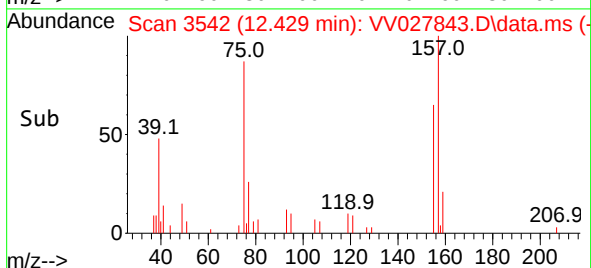
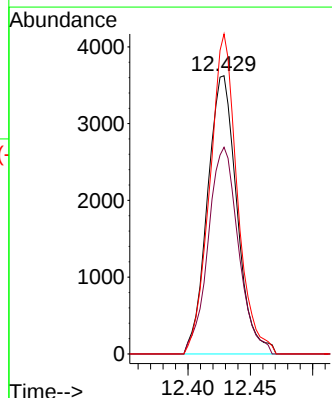
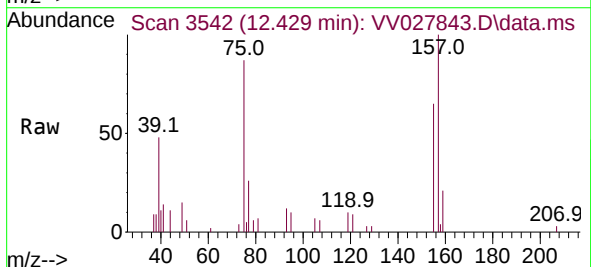
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

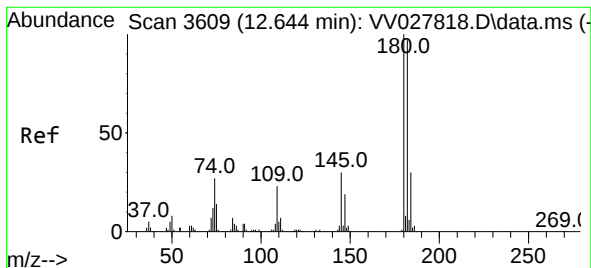
Tgt Ion:146 Resp: 105952
Ion Ratio Lower Upper
146 100
111 39.4 33.1 49.7
148 63.5 49.8 74.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.713 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.003 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

Tgt Ion: 75 Resp: 5957
Ion Ratio Lower Upper
75 100
155 74.3 71.9 107.9
157 115.0 95.1 142.7





#69

1,3,5-Trichlorobenzene

Concen: 4.882 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.003 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

Tgt Ion:180 Resp: 87124

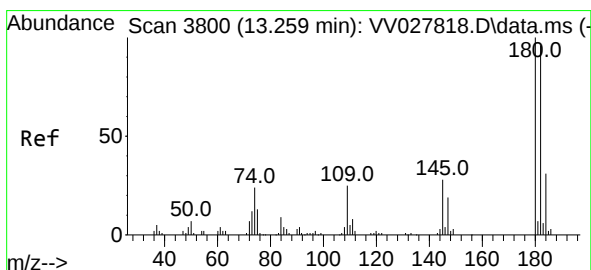
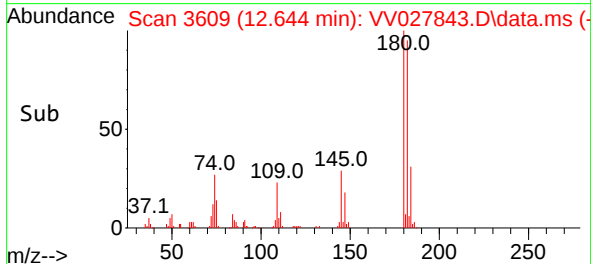
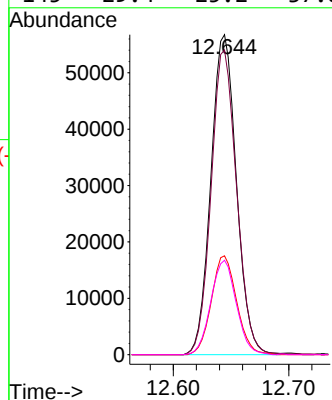
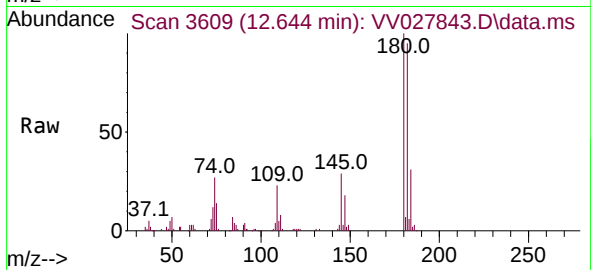
Ion Ratio Lower Upper

180 100

182 95.0 75.8 113.8

184 30.6 23.8 35.6

145 29.4 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.571 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV027843.D

Acq: 14 Sep 2022 21:15

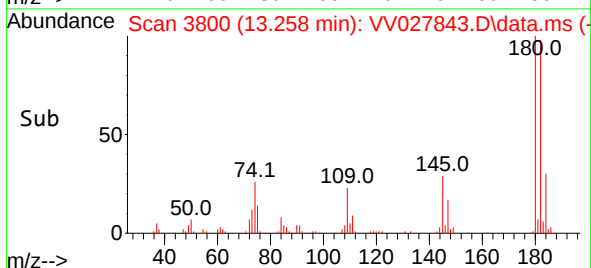
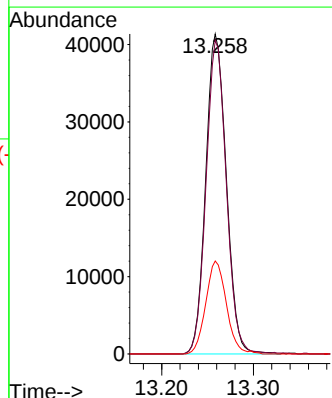
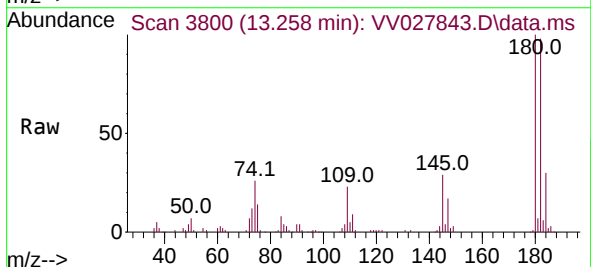
Tgt Ion:180 Resp: 64500

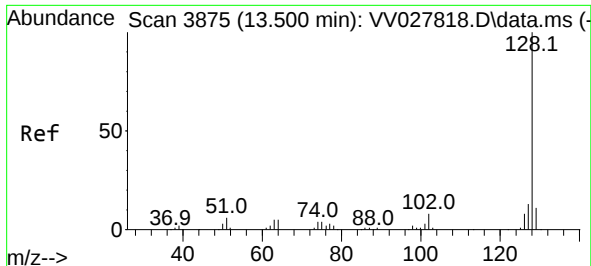
Ion Ratio Lower Upper

180 100

182 96.4 76.6 114.8

145 29.2 24.6 37.0

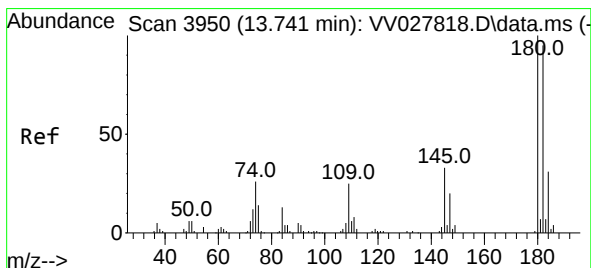
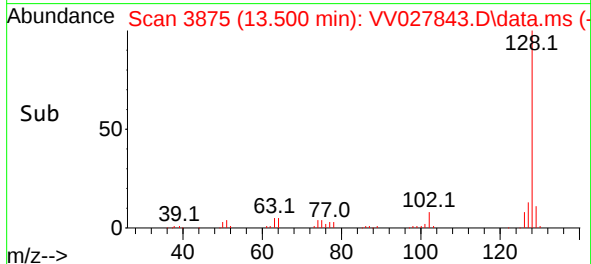
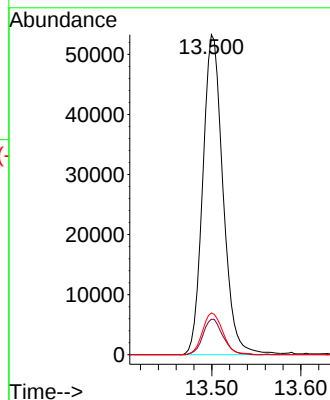
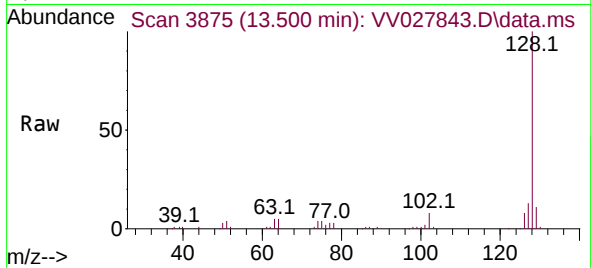




#71
Naphthalene
Concen: 3.791 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. -0.000 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

Tgt Ion:	128	Resp:	84026
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.2	13.8
127	13.2	10.6	16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.552 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. -0.000 min
Lab File: VV027843.D
Acq: 14 Sep 2022 21:15

Tgt Ion:	180	Resp:	57230
Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.5	114.7
145	31.5	26.5	39.7

