

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121422\
 Data File : VV029690.D
 Acq On : 14 Dec 2022 15:21
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050390

Quant Time: Dec 14 21:15:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 14 21:14:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.603	114	509640	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	469554	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	253116	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	120590	38.640	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.280%
7) Chloroethane-d5	1.558	69	106129	44.597	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	2.105	63	237672	48.827	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.660%
21) 2-Butanone-d5	3.863	46	203059	106.661	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.660%
24) Chloroform-d	4.333	84	261028	44.447	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.900%
26) 1,2-Dichloroethane-d4	5.018	65	147244	43.899	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.800%
32) Benzene-d6	5.037	84	523057	42.157	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.320%
36) 1,2-Dichloropropane-d6	6.056	67	164364	43.370	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.740%
41) Toluene-d8	7.304	98	477913	40.881	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.760%
43) trans-1,3-Dichloroprop...	7.609	79	73888	38.610	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.220%
47) 2-Hexanone-d5	8.079	63	160842	99.387	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.390%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	239554	44.234	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.460%
66) 1,2-Dichlorobenzene-d4	11.612	152	201105	41.737	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	189024	47.087	ug/L	99
3) Chloromethane	1.240	50	205293	44.854	ug/L	100
5) Vinyl chloride	1.307	62	201986	52.747	ug/L	98
6) Bromomethane	1.513	94	99331	64.466	ug/L	99
8) Chloroethane	1.577	64	120778	56.642	ug/L	98
9) Trichlorofluoromethane	1.748	101	255012	53.196	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	150393	56.459	ug/L	98
12) 1,1-Dichloroethene	2.111	96	146678	53.844	ug/L	95
13) Acetone	2.156	43	173709	140.063	ug/L	98
14) Carbon disulfide	2.288	76	424083	46.776	ug/L	100
15) Methyl Acetate	2.420	43	162606	57.547	ug/L	96
16) Methylene chloride	2.497	84	181944	53.716	ug/L	96
17) trans-1,2-Dichloroethene	2.751	96	159382	50.777	ug/L	93
18) Methyl tert-butyl Ether	2.757	73	502486	52.251	ug/L	98
19) 1,1-Dichloroethane	3.175	63	290120	53.953	ug/L	99
20) cis-1,2-Dichloroethene	3.896	96	179385	51.973	ug/L	94
22) 2-Butanone	3.944	43	240432	121.836	ug/L	97
23) Bromochloromethane	4.233	128	92864	52.250	ug/L	94
25) Chloroform	4.359	83	289924	52.007	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121422\
 Data File : VV029690.D
 Acq On : 14 Dec 2022 15:21
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

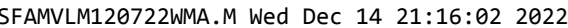
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050390

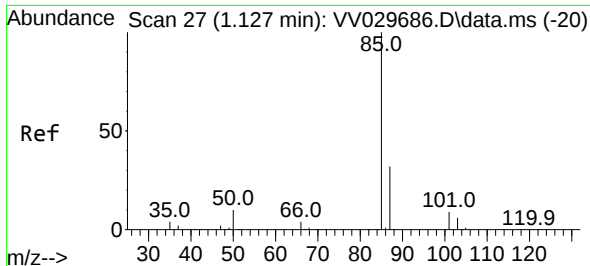
Quant Time: Dec 14 21:15:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 14 21:14:52 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.114	62	207460	52.681	ug/L	99
29) Cyclohexane	4.664	56	261473	51.405	ug/L	97
30) 1,1,1-Trichloroethane	4.593	97	253565	49.565	ug/L	99
31) Carbon tetrachloride	4.812	117	216097	48.372	ug/L	100
33) Benzene	5.085	78	680614	51.424	ug/L	100
34) Trichloroethene	5.902	95	169494	51.105	ug/L	99
35) Methylcyclohexane	6.120	83	291693	51.783	ug/L	98
37) 1,2-Dichloropropane	6.159	63	167091	52.306	ug/L	100
38) Bromodichloromethane	6.497	83	219281	49.725	ug/L	100
39) cis-1,3-Dichloropropene	7.014	75	234760	44.685	ug/L	98
40) 4-Methyl-2-pentanone	7.217	43	435413	114.318	ug/L	97
42) Toluene	7.374	91	727240	51.050	ug/L	100
44) trans-1,3-Dichloropropene	7.638	75	227582	45.742	ug/L	99
45) 1,1,2-Trichloroethane	7.825	97	169139	51.250	ug/L	98
46) Tetrachloroethene	7.963	164	138082	51.784	ug/L	99
48) 2-Hexanone	8.130	43	341184	117.249	ug/L	95
49) Dibromochloromethane	8.233	129	178911	49.102	ug/L	99
50) 1,2-Dibromoethane	8.339	107	168802	49.647	ug/L	99
51) Chlorobenzene	8.870	112	462959	51.322	ug/L	100
52) Ethylbenzene	9.001	91	770041	51.414	ug/L	100
53) m,p-Xylene	9.127	106	303223	51.153	ug/L	98
54) o-Xylene	9.532	106	294412	50.210	ug/L	99
55) Styrene	9.548	104	524804	51.503	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.230	83	260906	49.421	ug/L	99
59) Bromoform	9.718	173	130808	46.783	ug/L	99
60) Isopropylbenzene	9.918	105	778192	52.365	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	203266	52.026	ug/L	98
62) 1,3,5-Trimethylbenzene	10.525	105	650625	49.516	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	645684	49.573	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	366006	50.371	ug/L	99
65) 1,4-Dichlorobenzene	11.259	146	370439	50.164	ug/L	100
67) 1,2-Dichlorobenzene	11.628	146	371498	49.998	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.413	75	56795	46.771	ug/L	99
69) 1,3,5-Trichlorobenzene	12.631	180	294223	50.881	ug/L	100
70) 1,2,4-trichlorobenzene	13.246	180	263153	51.177	ug/L	100
71) Naphthalene	13.490	128	619627	53.125	ug/L	99
72) 1,2,3-Trichlorobenzene	13.728	180	261556	51.932	ug/L	99

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

Quant Time: Dec 14 21:15:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 14 21:14:52 2022
Response via : Initial Calibration

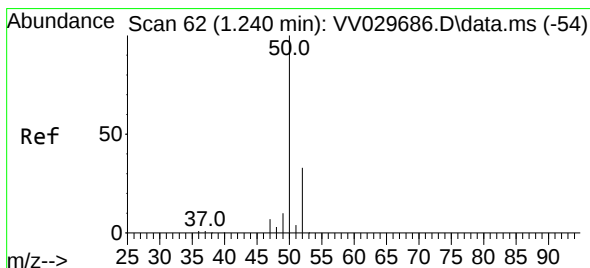
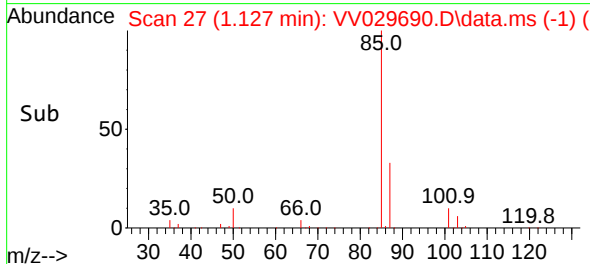
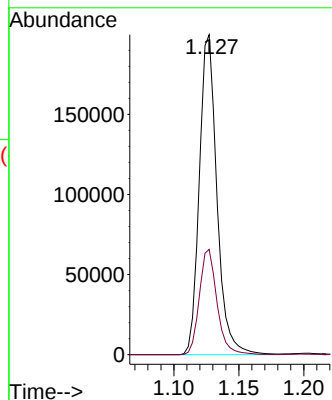
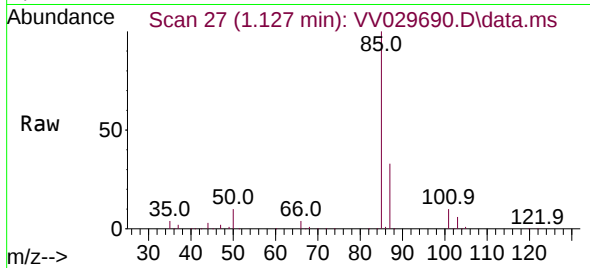




#2
 Dichlorodifluoromethane
 Concen: 47.087 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029690.D
 Acq: 14 Dec 2022 15:21

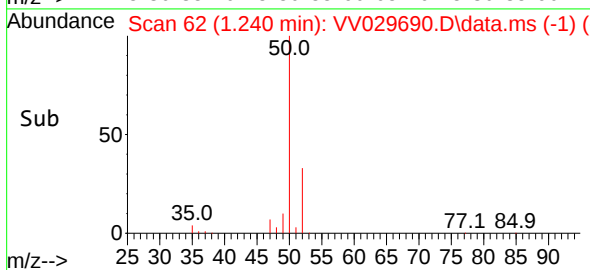
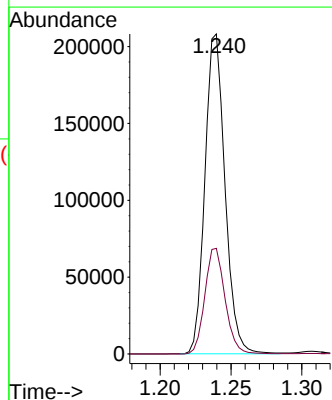
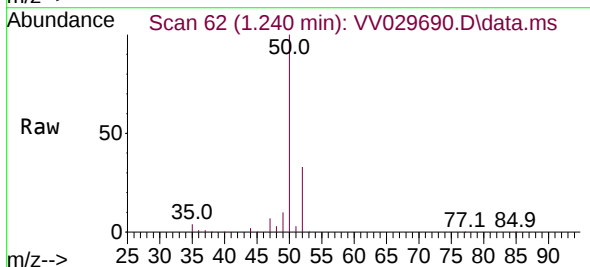
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050390

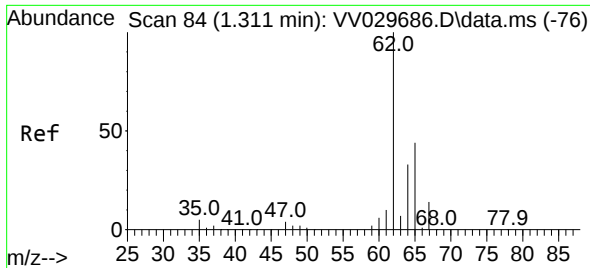
Tgt Ion: 85 Resp: 189024
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.9 38.9



#3
 Chloromethane
 Concen: 44.854 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029690.D
 Acq: 14 Dec 2022 15:21

Tgt Ion: 50 Resp: 205293
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.3 43.3

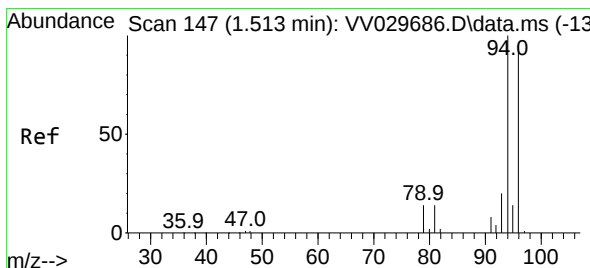
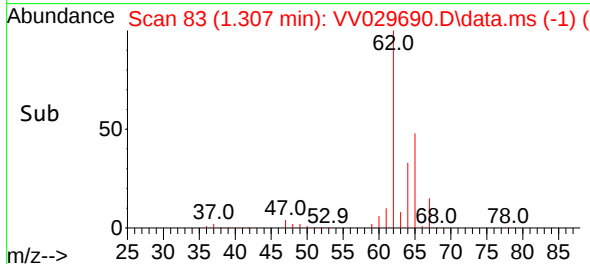
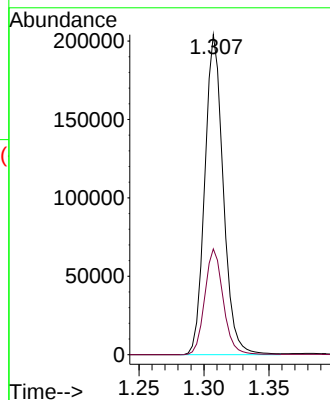
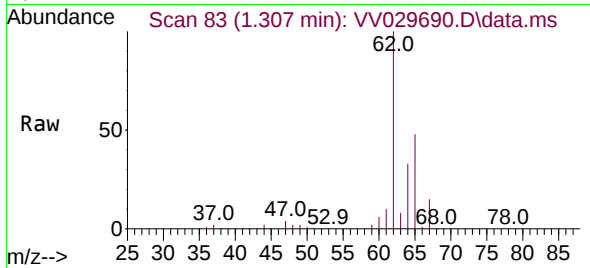




#5
 Vinyl chloride
 Concen: 52.747 ug/L
 RT: 1.307 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV029690.D
 Acq: 14 Dec 2022 15:21

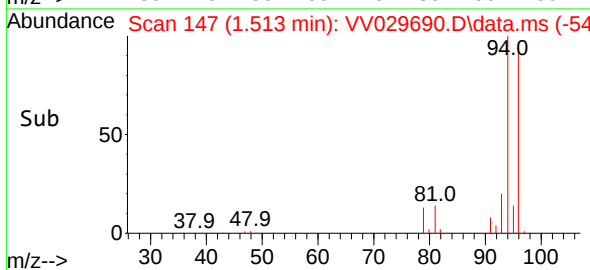
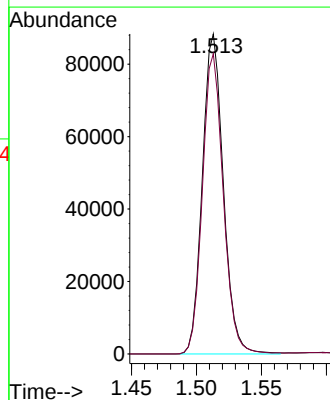
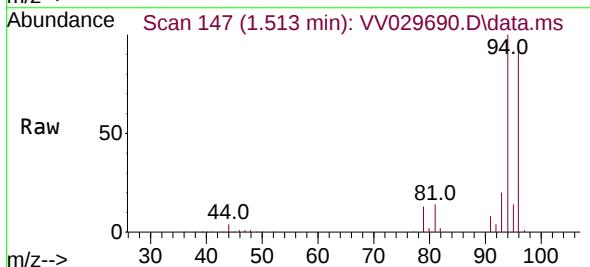
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050390

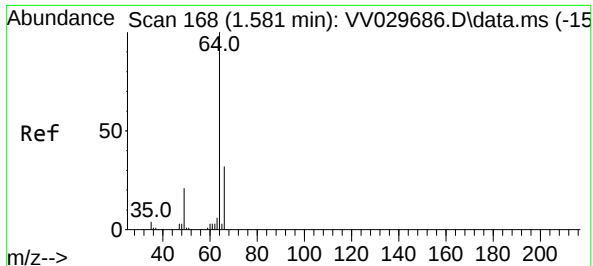
Tgt Ion: 62 Resp: 201986
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.5 41.9



#6
 Bromomethane
 Concen: 64.466 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. -0.000 min
 Lab File: VV029690.D
 Acq: 14 Dec 2022 15:21

Tgt Ion: 94 Resp: 99331
 Ion Ratio Lower Upper
 94 100
 96 93.8 65.1 120.9

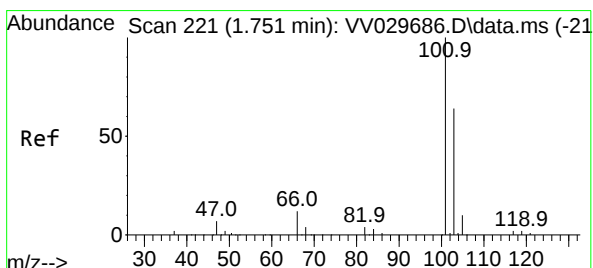
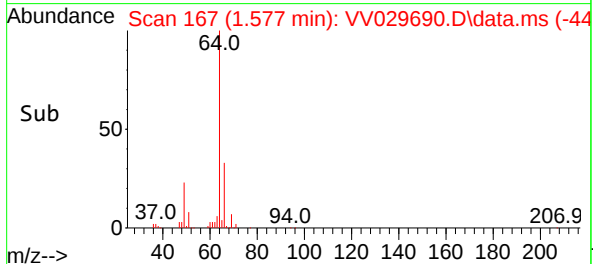
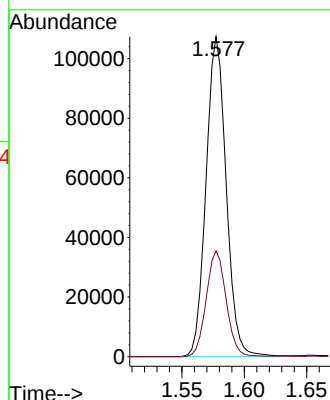
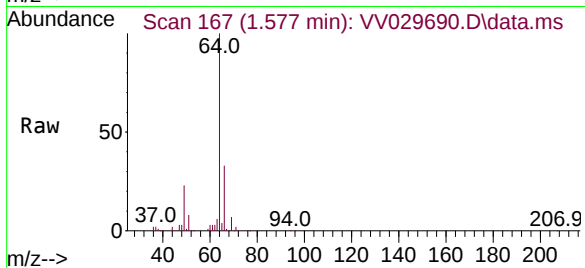




#8
Chloroethane
Concen: 56.642 ug/L
RT: 1.577 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

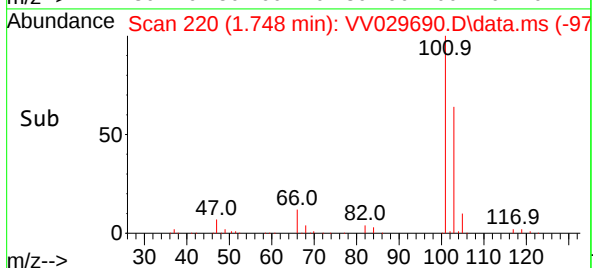
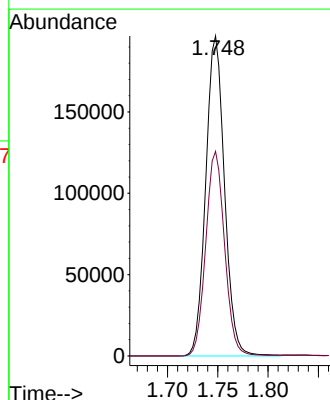
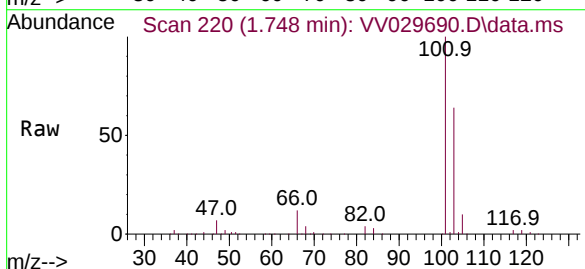
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

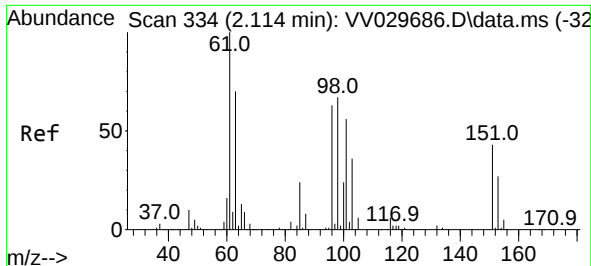
Tgt Ion: 64 Resp: 120778
Ion Ratio Lower Upper
64 100
66 33.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 53.196 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Tgt Ion:101 Resp: 255012
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.8





#10

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

Concen: 56.459 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.003 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

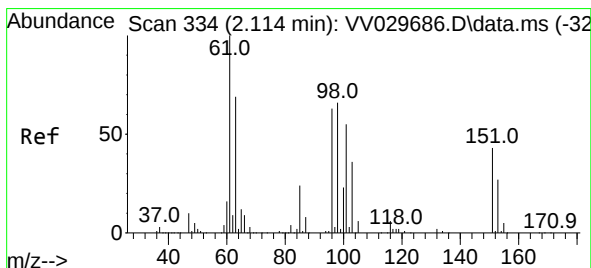
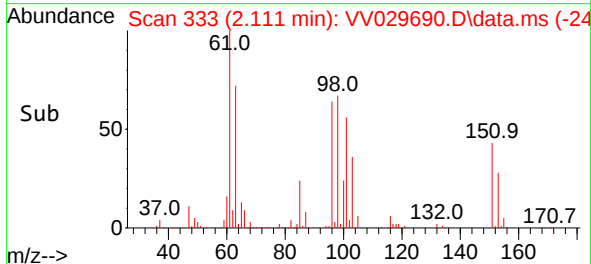
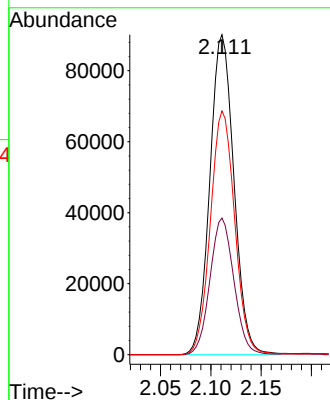
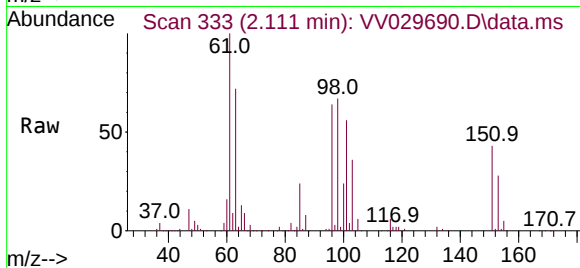
Tgt Ion:101 Resp: 150393

Ion Ratio Lower Upper

101 100

85 42.4 33.6 50.4

151 77.0 63.5 95.3



#12

1,1-Dichloroethene

Concen: 53.844 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.003 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

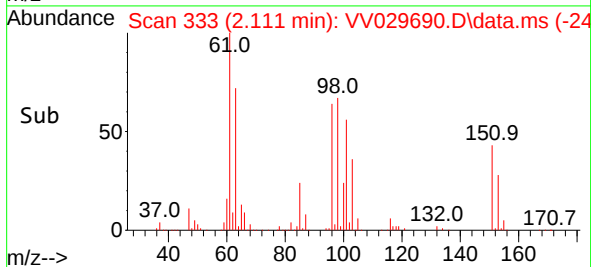
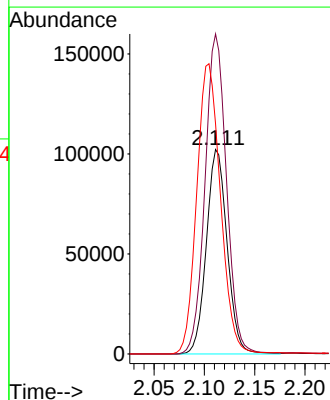
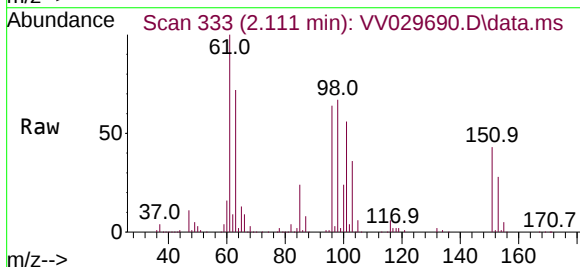
Tgt Ion: 96 Resp: 146678

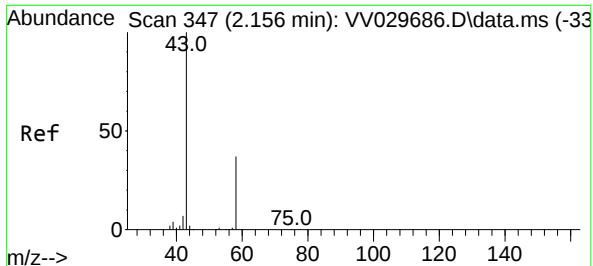
Ion Ratio Lower Upper

96 100

61 156.5 103.3 191.9

63 112.6 77.3 143.7





#13

Acetone

Concen: 140.063 ug/L

RT: 2.156 min Scan# 34

Delta R.T. -0.000 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

Instrument :

MSVOA_V

ClientSampleId :

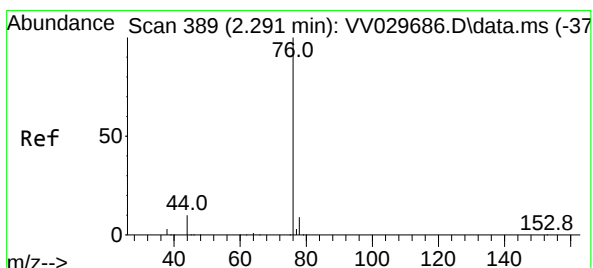
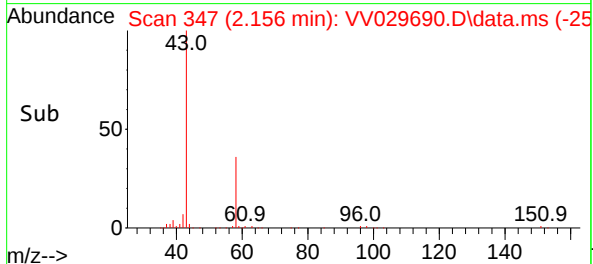
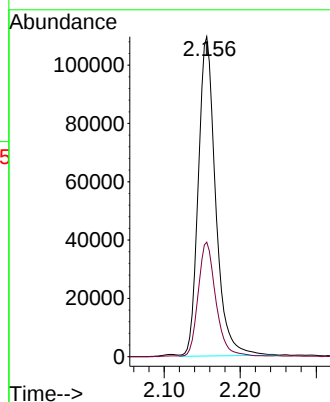
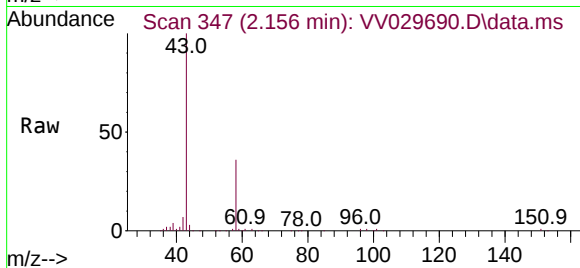
VSTD050390

Tgt Ion: 43 Resp: 173709

Ion Ratio Lower Upper

43 100

58 36.1 0.0 74.8



#14

Carbon disulfide

Concen: 46.776 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.003 min

Lab File: VV029690.D

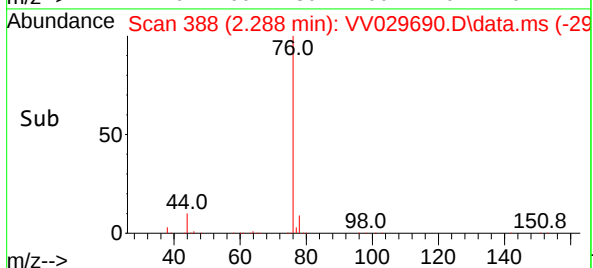
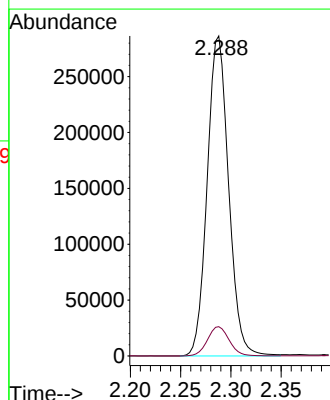
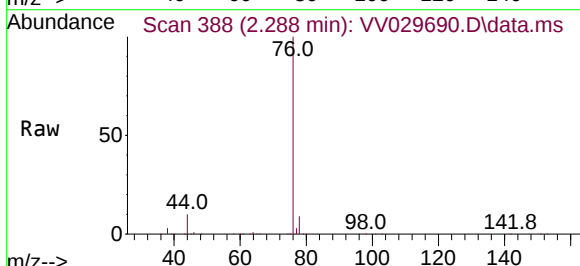
Acq: 14 Dec 2022 15:21

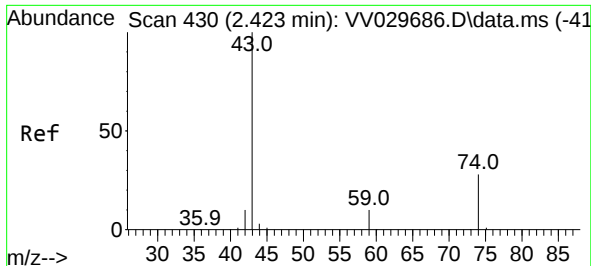
Tgt Ion: 76 Resp: 424083

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

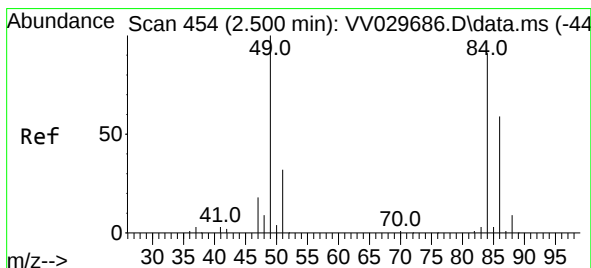
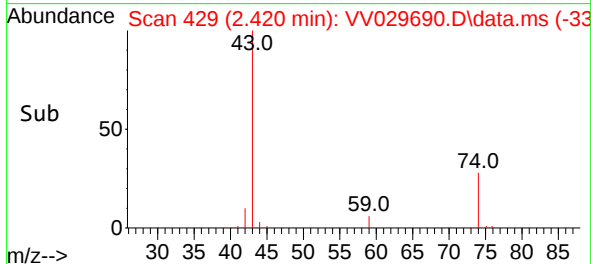
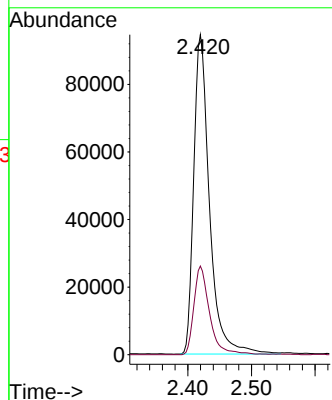
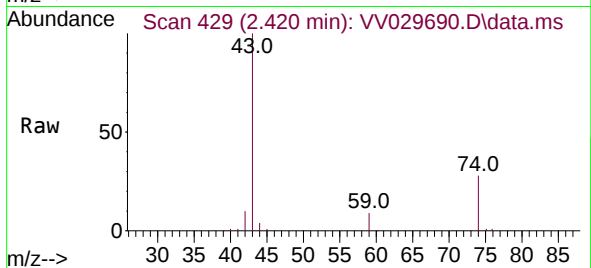




#15
Methyl Acetate
Concen: 57.547 ug/L
RT: 2.420 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

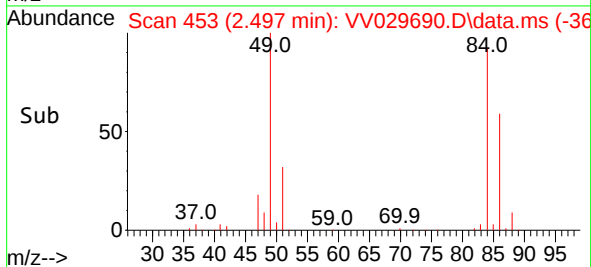
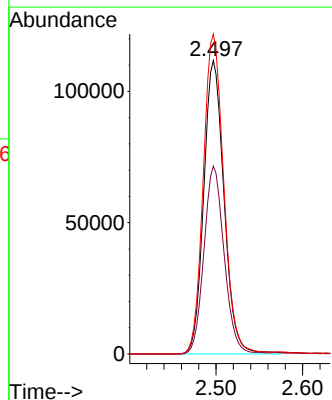
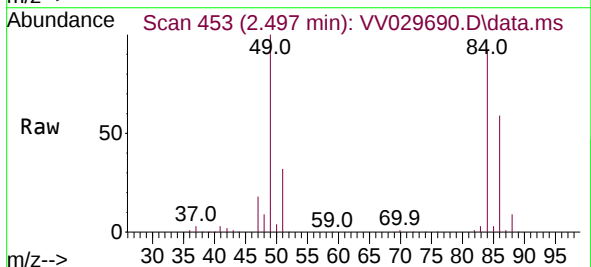
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

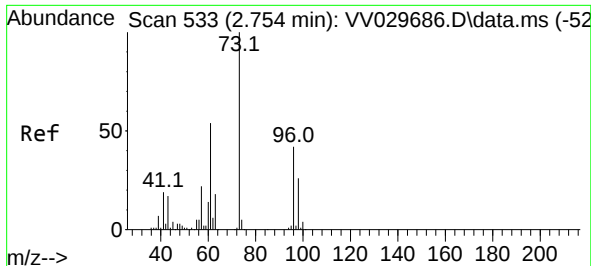
Tgt Ion: 43 Resp: 162606
Ion Ratio Lower Upper
43 100
74 27.3 23.5 35.3



#16
Methylene chloride
Concen: 53.716 ug/L
RT: 2.497 min Scan# 453
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Tgt Ion: 84 Resp: 181944
Ion Ratio Lower Upper
84 100
86 64.0 46.0 85.4
49 109.1 72.2 134.0

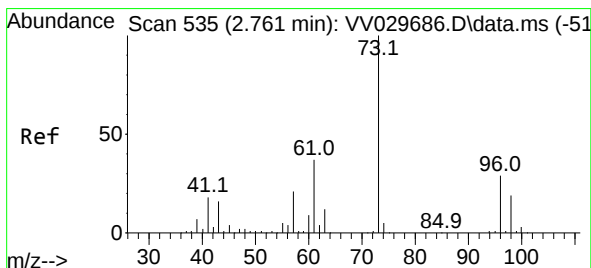
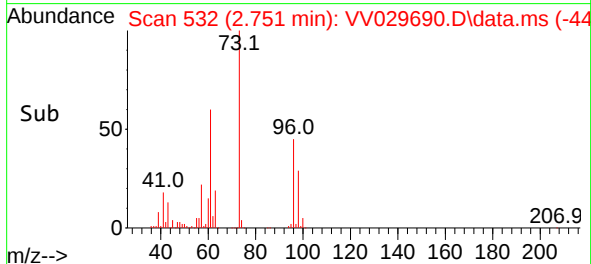
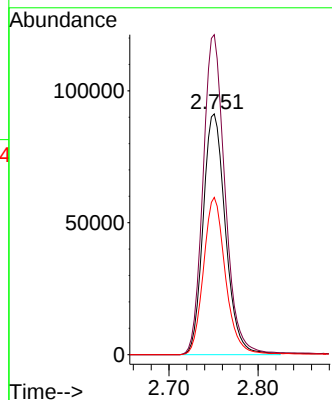
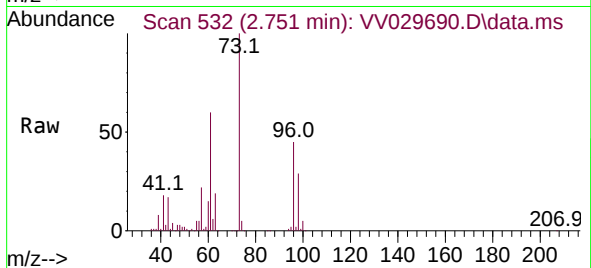




#17
trans-1,2-Dichloroethene
Concen: 50.777 ug/L
RT: 2.751 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

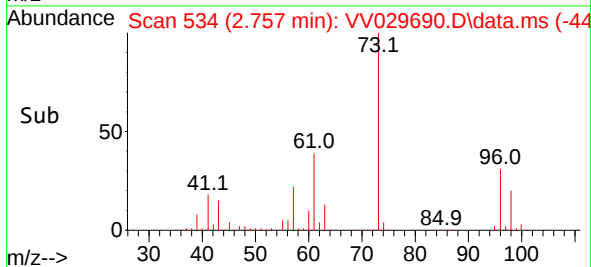
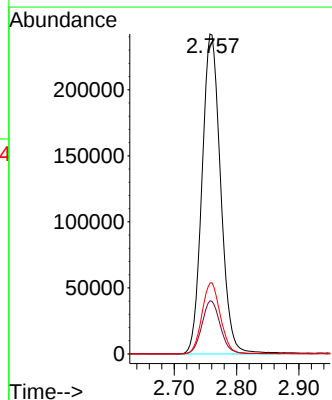
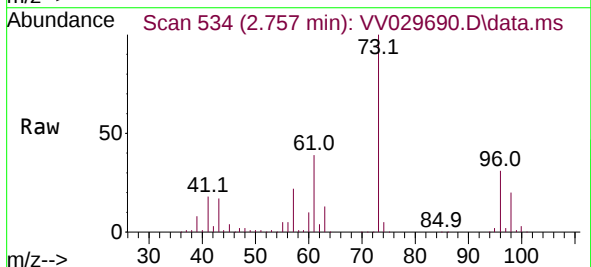
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

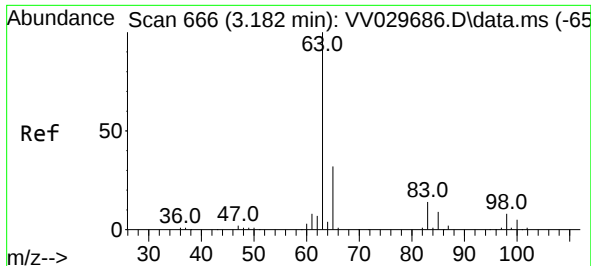
Tgt Ion: 96 Resp: 159382
Ion Ratio Lower Upper
96 100
61 132.9 86.4 160.4
98 65.3 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 52.251 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Tgt Ion: 73 Resp: 502486
Ion Ratio Lower Upper
73 100
43 16.3 12.7 19.1
57 22.1 16.7 25.1





#19

1,1-Dichloroethane

Concen: 53.953 ug/L

RT: 3.175 min Scan# 6

Delta R.T. -0.007 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

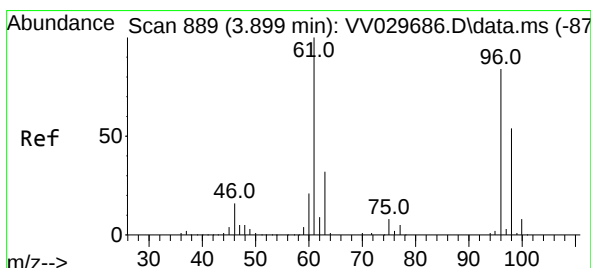
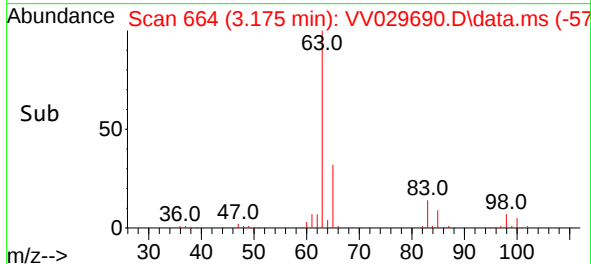
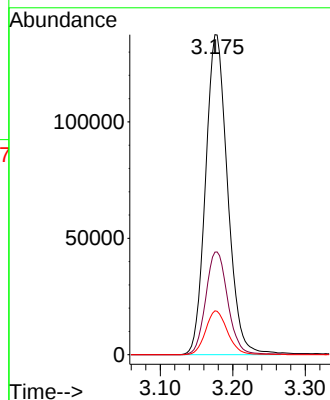
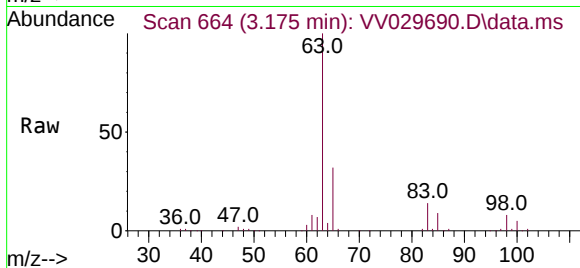
Tgt Ion: 63 Resp: 290120

Ion Ratio Lower Upper

63 100

65 32.0 22.5 41.7

83 13.7 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 51.973 ug/L

RT: 3.896 min Scan# 888

Delta R.T. -0.003 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

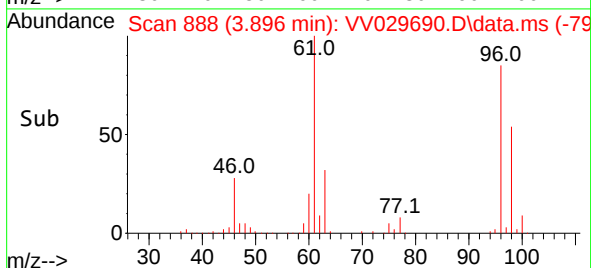
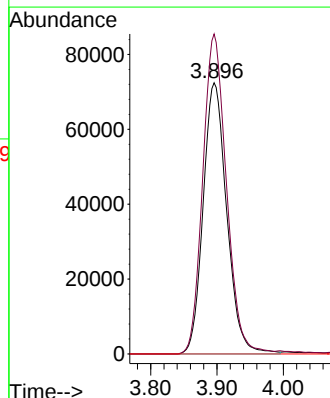
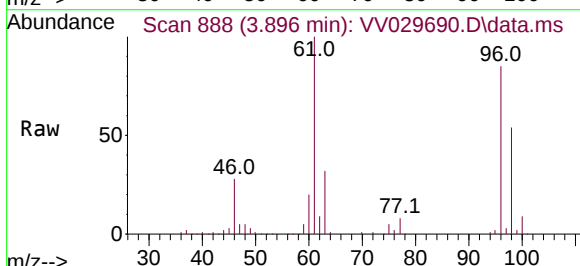
Tgt Ion: 96 Resp: 179385

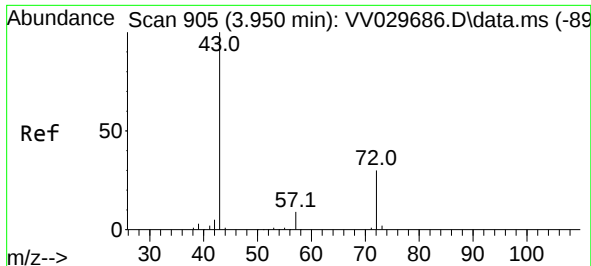
Ion Ratio Lower Upper

96 100

61 118.0 78.0 144.9

68 0.0 0.0 0.0

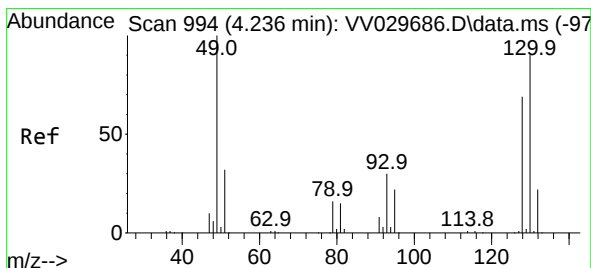
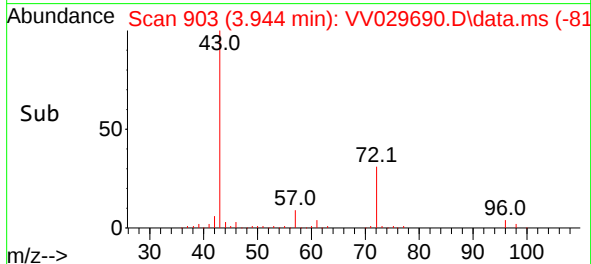
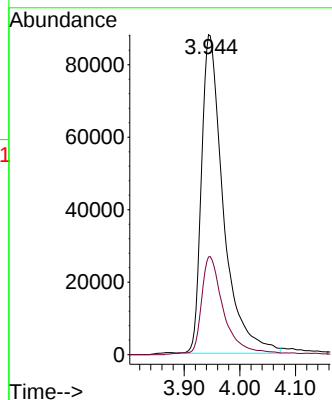
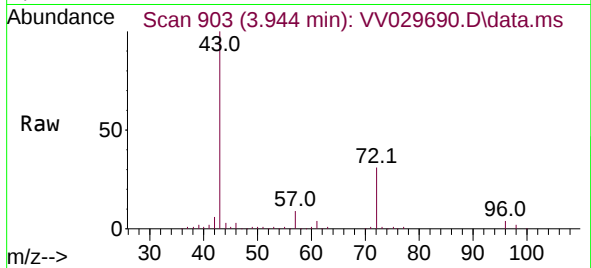




#22
2-Butanone
Concen: 121.836 ug/L
RT: 3.944 min Scan# 905
Delta R.T. -0.007 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

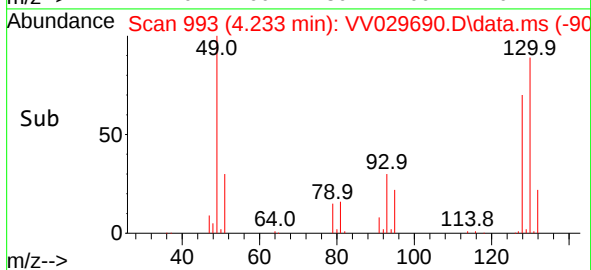
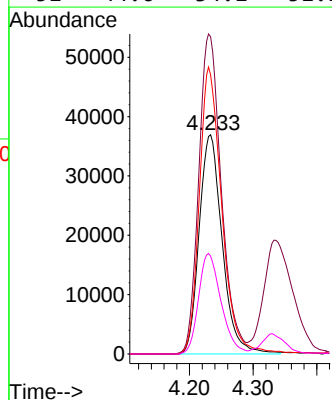
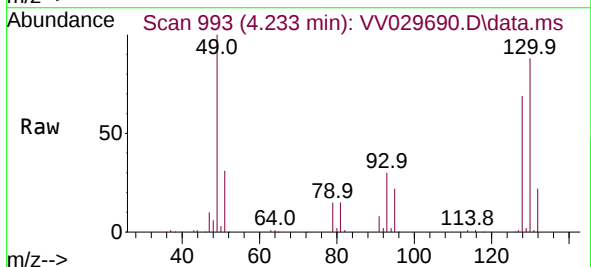
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

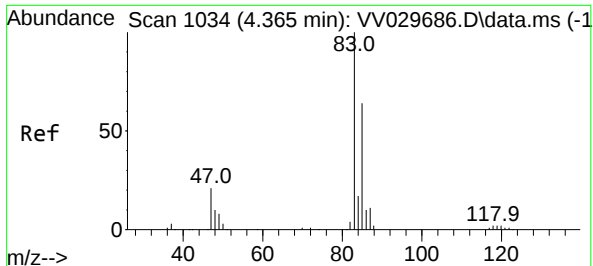
Tgt Ion: 43 Resp: 240432
Ion Ratio Lower Upper
43 100
72 30.0 15.9 47.6



#23
Bromochloromethane
Concen: 52.250 ug/L
RT: 4.233 min Scan# 993
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Tgt Ion:128 Resp: 92864
Ion Ratio Lower Upper
128 100
49 144.7 92.2 171.2
130 127.3 88.3 164.1
51 44.6 34.1 51.1





#25

Chloroform

Concen: 52.007 ug/L

RT: 4.359 min Scan# 1034

Delta R.T. -0.007 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

Instrument :

MSVOA_V

ClientSampleId :

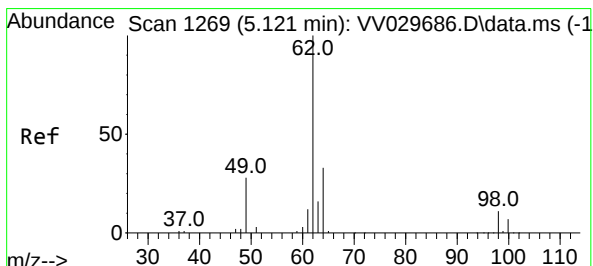
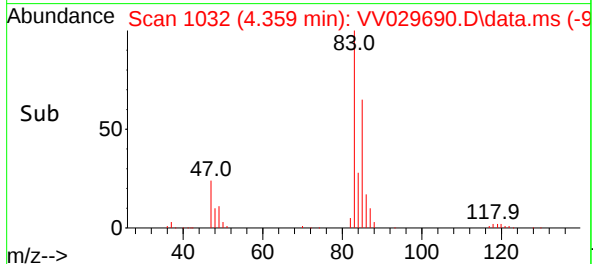
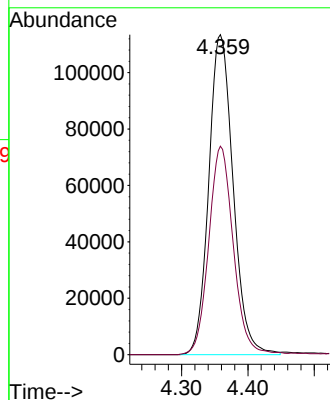
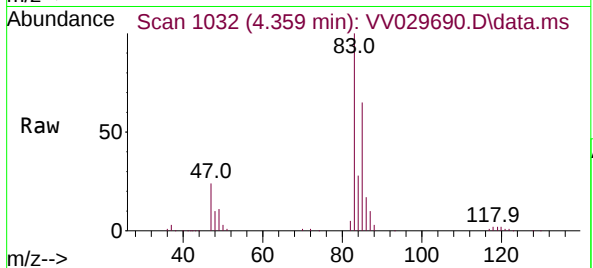
VSTD050390

Tgt Ion: 83 Resp: 289924

Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.9



#27

1,2-Dichloroethane

Concen: 52.681 ug/L

RT: 5.114 min Scan# 1267

Delta R.T. -0.007 min

Lab File: VV029690.D

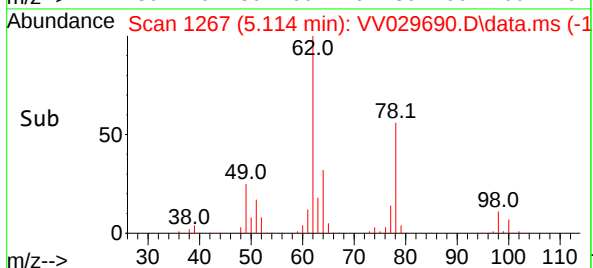
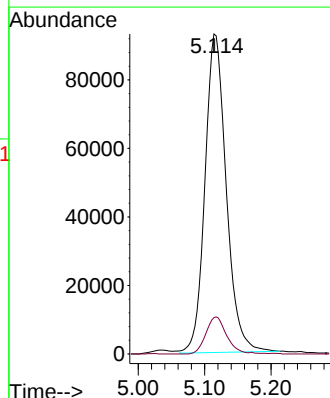
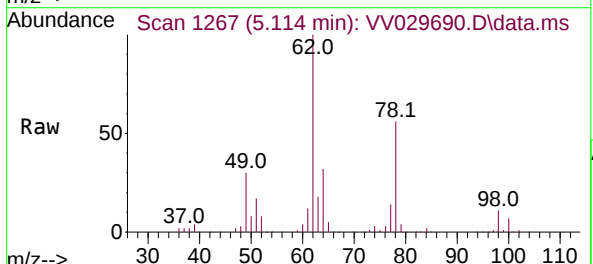
Acq: 14 Dec 2022 15:21

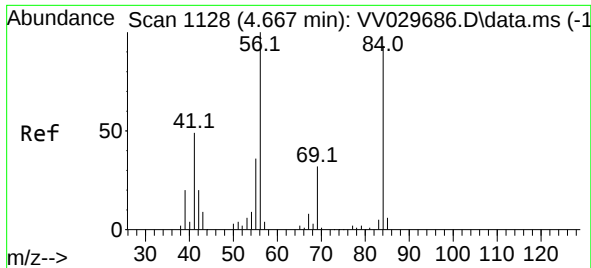
Tgt Ion: 62 Resp: 207460

Ion Ratio Lower Upper

62 100

98 11.4 9.4 14.0

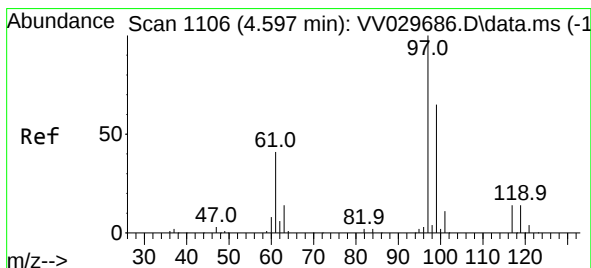
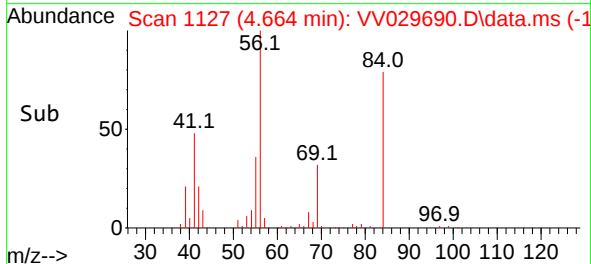
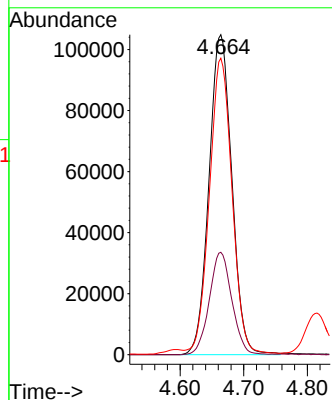
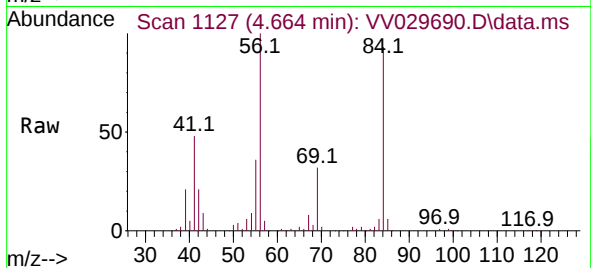




#29
Cyclohexane
Concen: 51.405 ug/L
RT: 4.664 min Scan# 1127
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

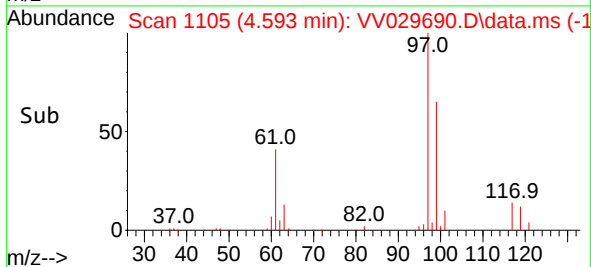
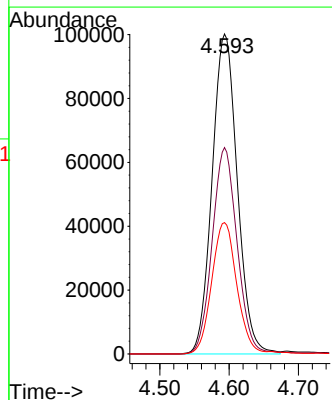
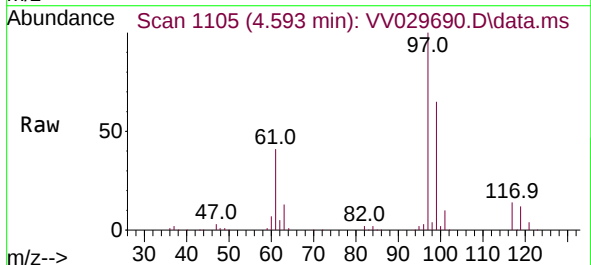
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

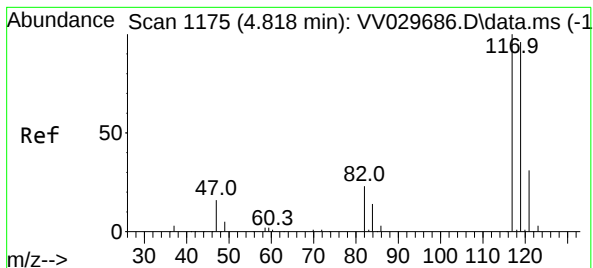
Tgt Ion: 56 Resp: 261473
Ion Ratio Lower Upper
56 100
69 31.5 25.8 38.8
84 91.7 76.6 114.8



#30
1,1,1-Trichloroethane
Concen: 49.565 ug/L
RT: 4.593 min Scan# 1105
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Tgt Ion: 97 Resp: 253565
Ion Ratio Lower Upper
97 100
99 64.1 52.1 78.1
61 40.7 31.8 47.8

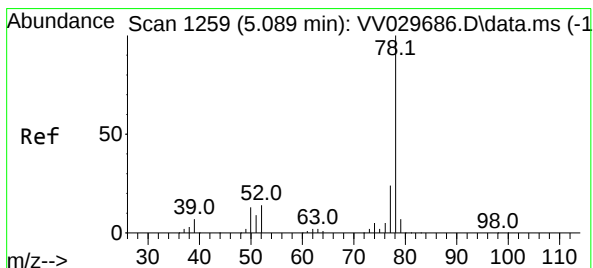
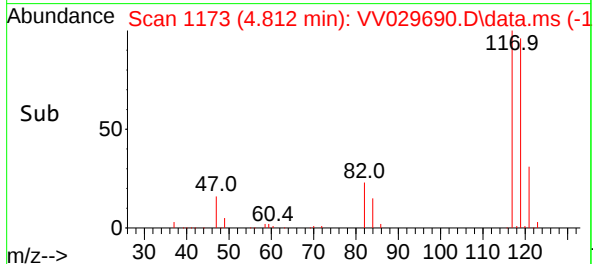
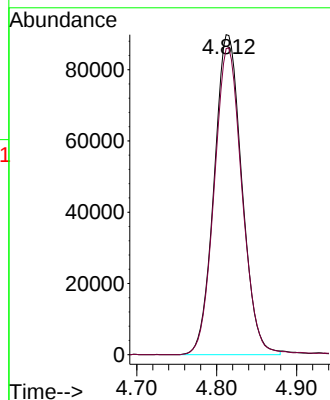
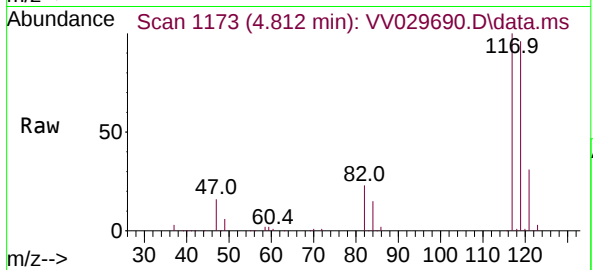




#31
Carbon tetrachloride
Concen: 48.372 ug/L
RT: 4.812 min Scan# 1173
Delta R.T. -0.007 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

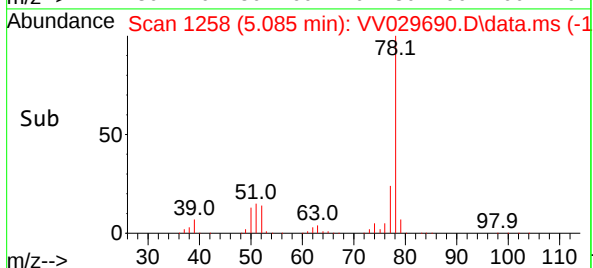
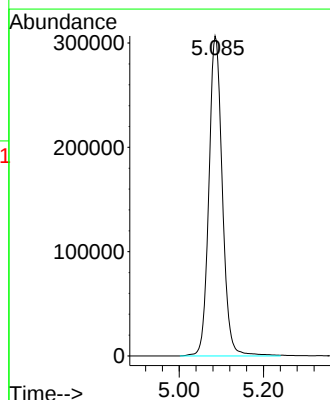
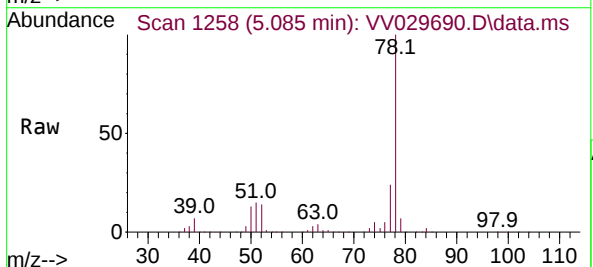
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

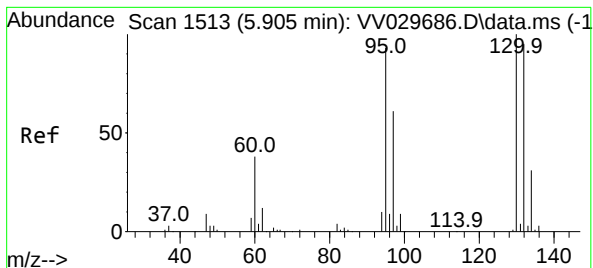
Tgt Ion:117 Resp: 216097
Ion Ratio Lower Upper
117 100
119 96.2 76.7 115.1



#33
Benzene
Concen: 51.424 ug/L
RT: 5.085 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Tgt Ion: 78 Resp: 680614





#34

Trichloroethene

Concen: 51.105 ug/L

RT: 5.902 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

Tgt Ion: 95 Resp: 169494

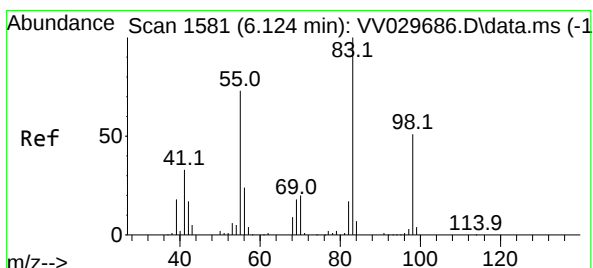
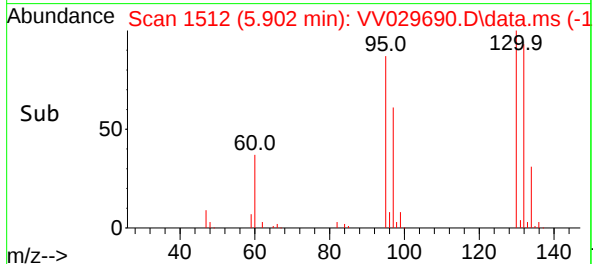
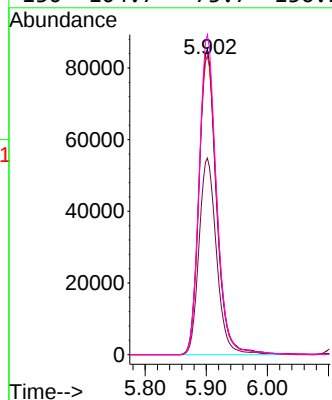
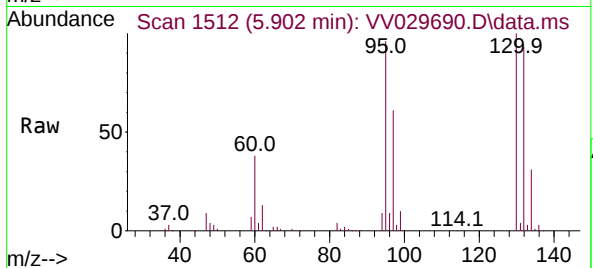
Ion Ratio Lower Upper

95 100

97 64.3 44.0 81.8

132 97.8 69.9 129.9

130 104.7 73.7 136.9



#35

Methylcyclohexane

Concen: 51.783 ug/L

RT: 6.120 min Scan# 1580

Delta R.T. -0.003 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

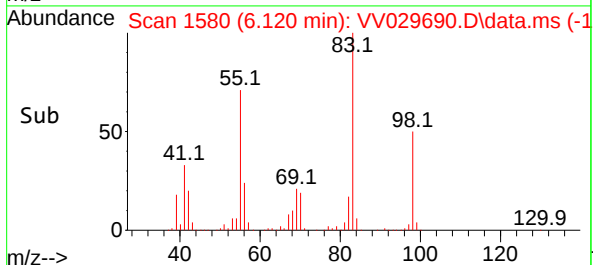
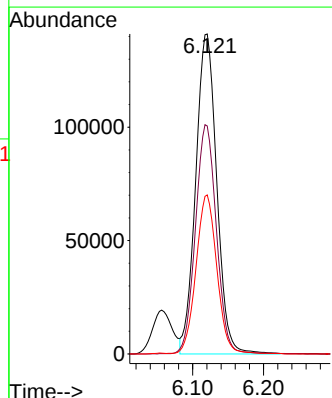
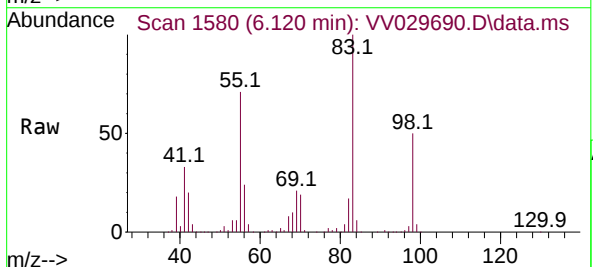
Tgt Ion: 83 Resp: 291693

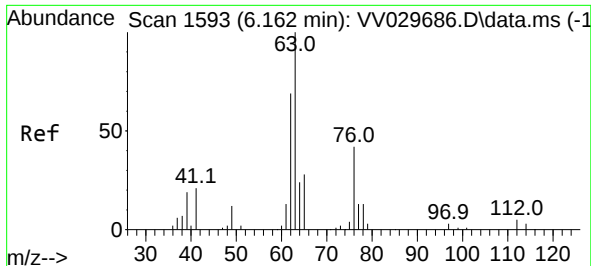
Ion Ratio Lower Upper

83 100

55 71.1 55.5 83.3

98 48.8 39.8 59.8





#37

1,2-Dichloropropane

Concen: 52.306 ug/L

RT: 6.159 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

Instrument :

MSVOA_V

ClientSampleId :

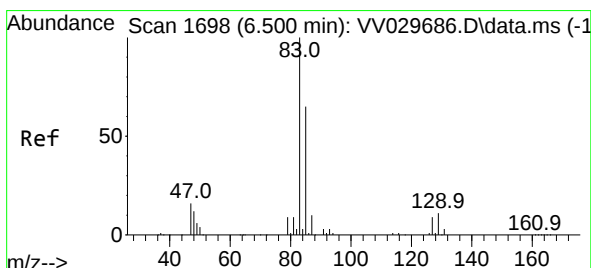
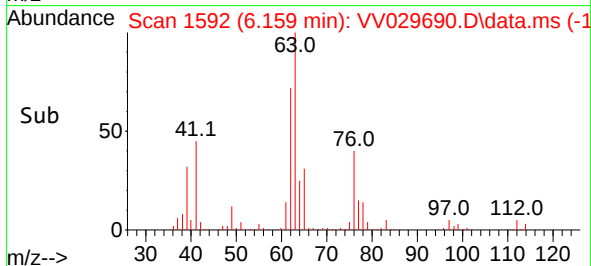
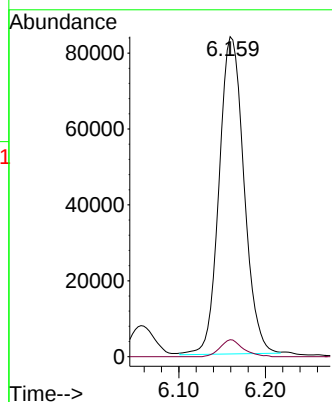
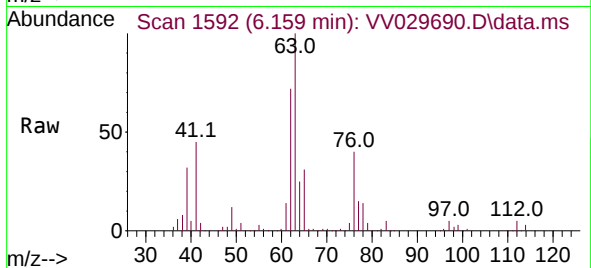
VSTD050390

Tgt Ion: 63 Resp: 167091

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



#38

Bromodichloromethane

Concen: 49.725 ug/L

RT: 6.497 min Scan# 1697

Delta R.T. -0.003 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

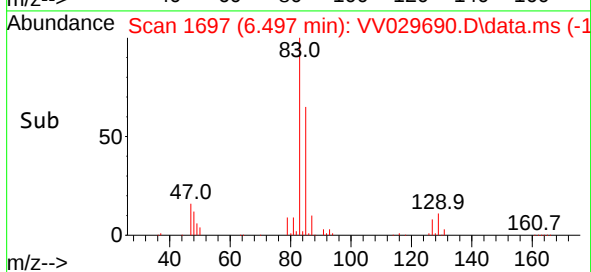
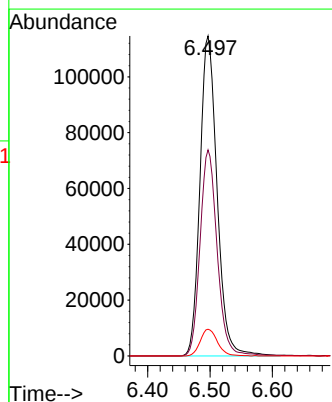
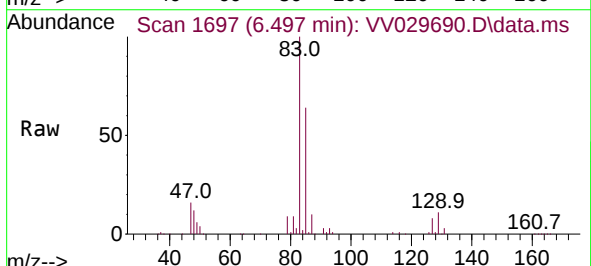
Tgt Ion: 83 Resp: 219281

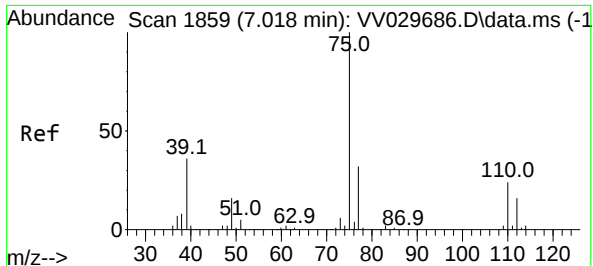
Ion Ratio Lower Upper

83 100

85 64.4 45.3 84.1

127 8.4 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 44.685 ug/L

RT: 7.014 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

Instrument :

MSVOA_V

ClientSampleId :

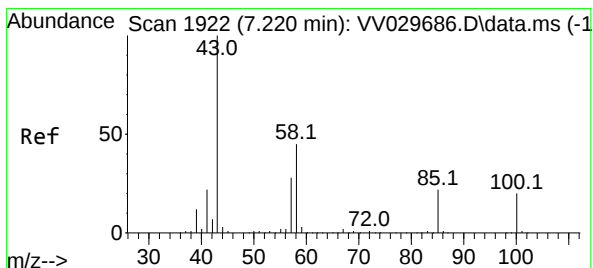
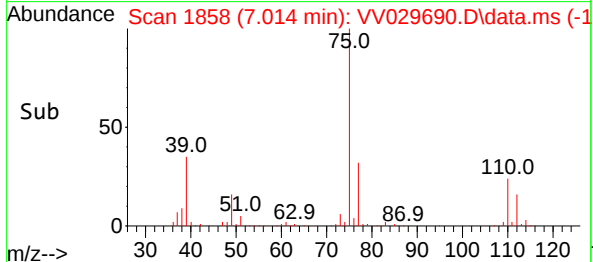
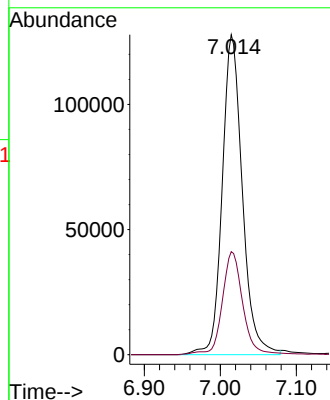
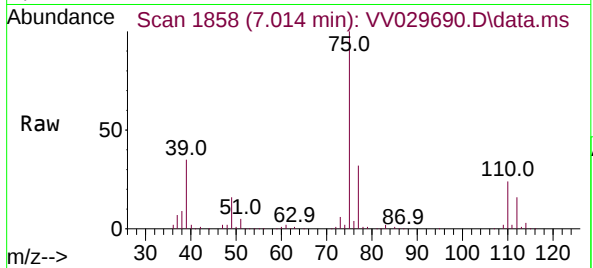
VSTD050390

Tgt Ion: 75 Resp: 234760

Ion Ratio Lower Upper

75 100

77 32.2 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 114.318 ug/L

RT: 7.217 min Scan# 1921

Delta R.T. -0.003 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

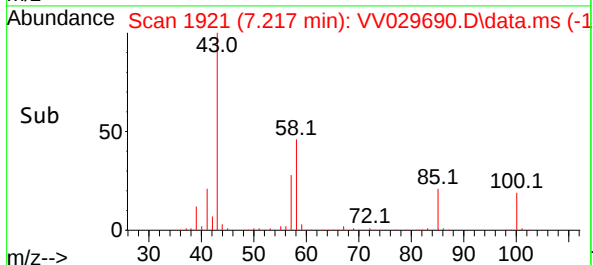
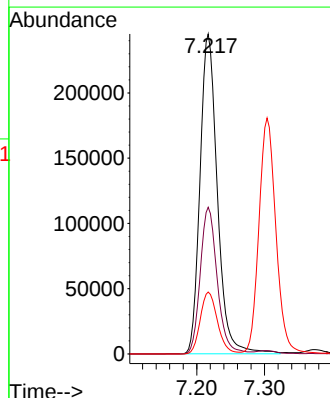
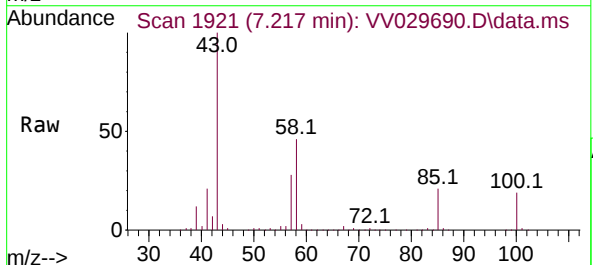
Tgt Ion: 43 Resp: 435413

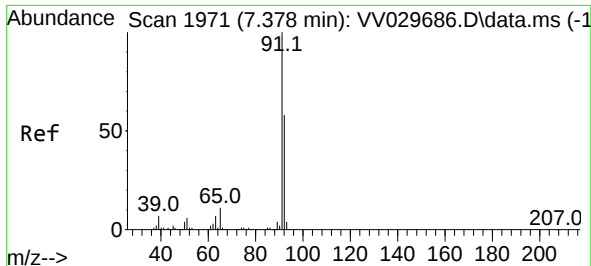
Ion Ratio Lower Upper

43 100

58 45.0 37.5 56.3

100 19.2 16.7 25.1

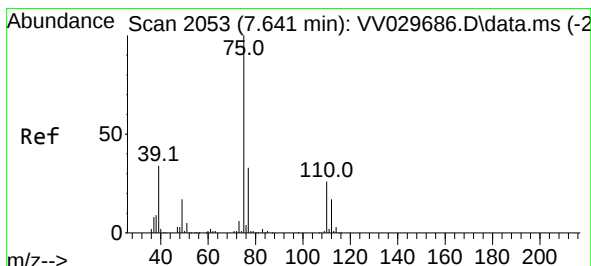
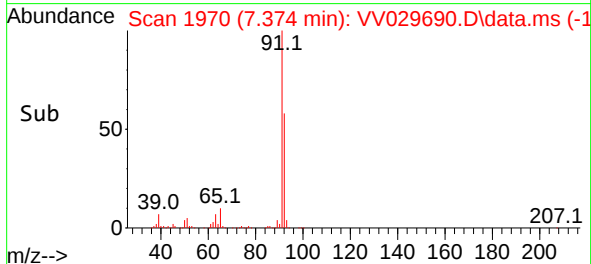
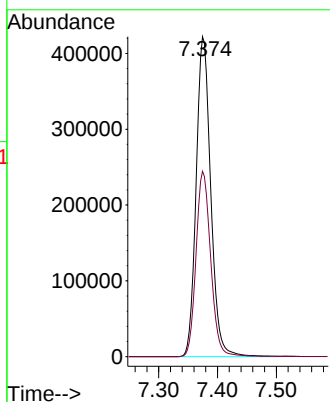
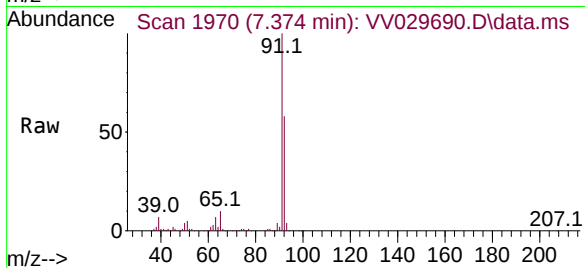




#42
Toluene
Concen: 51.050 ug/L
RT: 7.374 min Scan# 1971
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

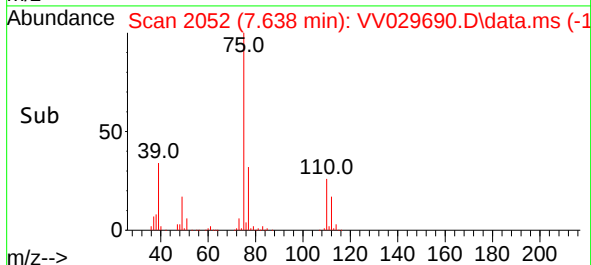
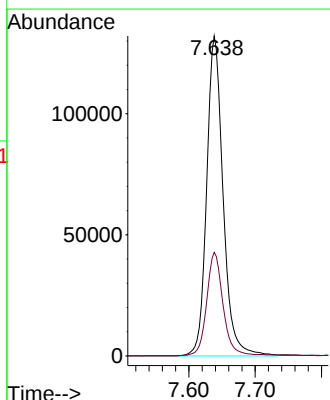
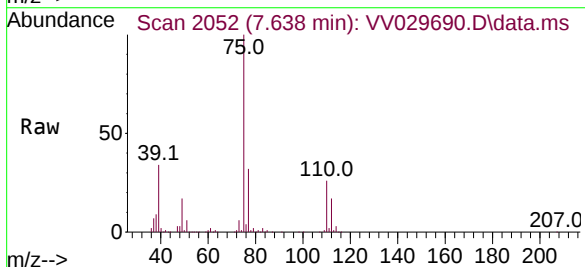
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

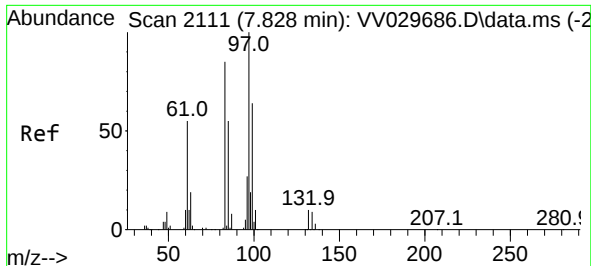
Tgt Ion: 91 Resp: 727240
Ion Ratio Lower Upper
91 100
92 58.0 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 45.742 ug/L
RT: 7.638 min Scan# 2052
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Tgt Ion: 75 Resp: 227582
Ion Ratio Lower Upper
75 100
77 32.4 22.3 41.5



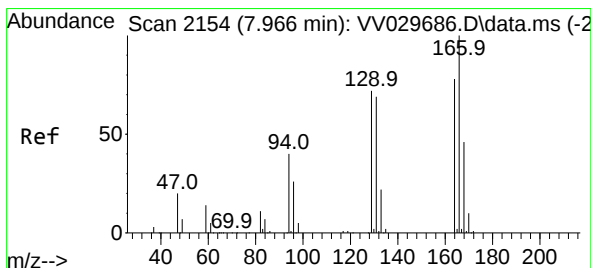
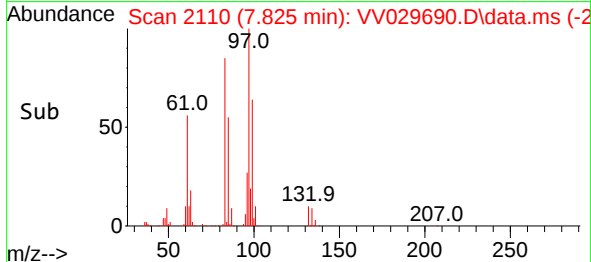
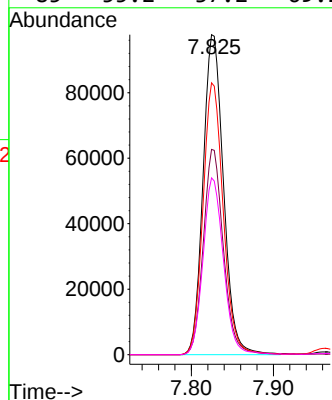
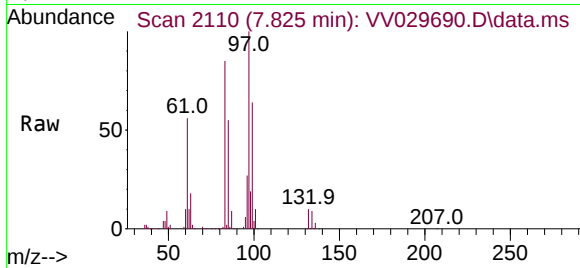


#45
1,1,2-Trichloroethane
Concen: 51.250 ug/L
RT: 7.825 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

Tgt Ion: 97 Resp: 169139

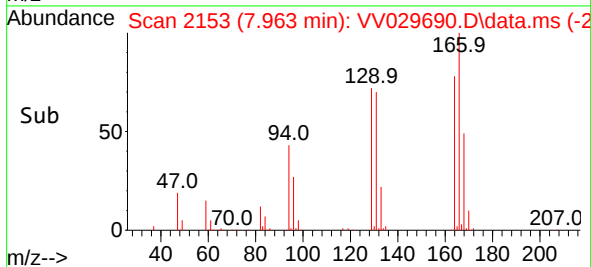
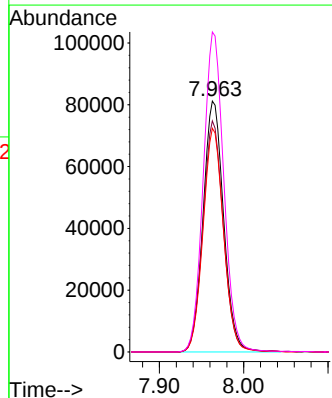
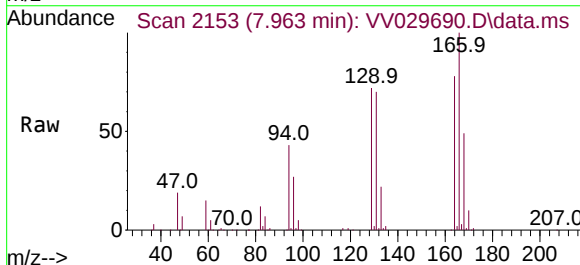
Ion	Ratio	Lower	Upper
97	100		
99	64.1	43.8	81.3
83	85.0	58.6	108.8
85	55.2	37.2	69.2

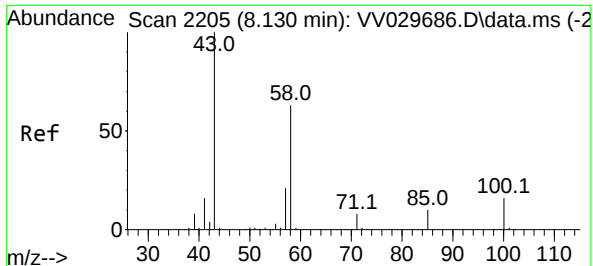


#46
Tetrachloroethene
Concen: 51.784 ug/L
RT: 7.963 min Scan# 2153
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Tgt Ion: 164 Resp: 138082

Ion	Ratio	Lower	Upper
164	100		
129	92.1	65.3	121.3
131	89.2	63.1	117.1
166	127.5	90.8	168.6

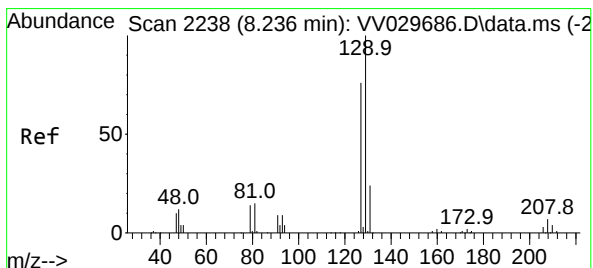
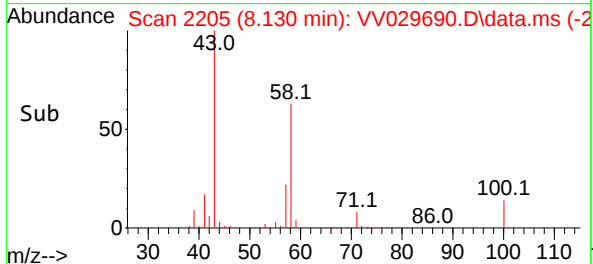
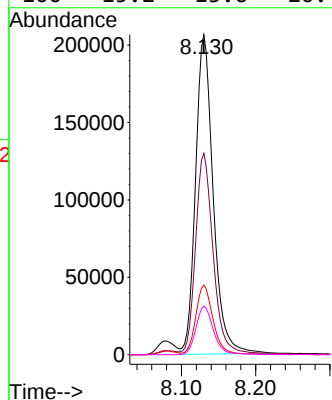
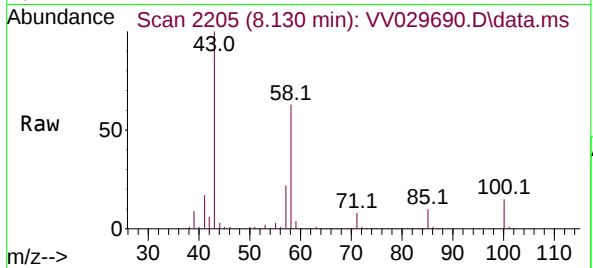




#48
2-Hexanone
Concen: 117.249 ug/L
RT: 8.130 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

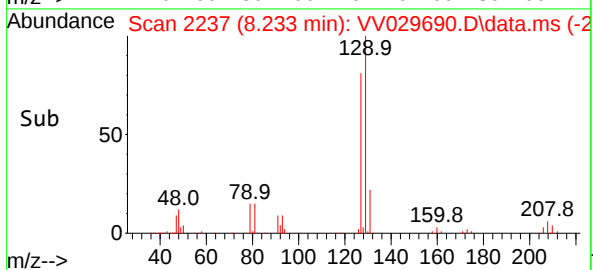
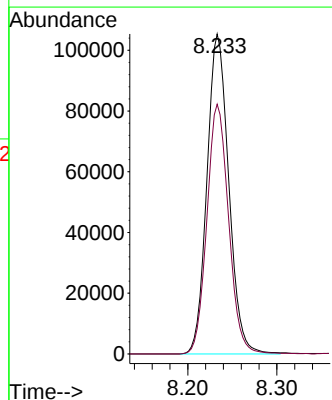
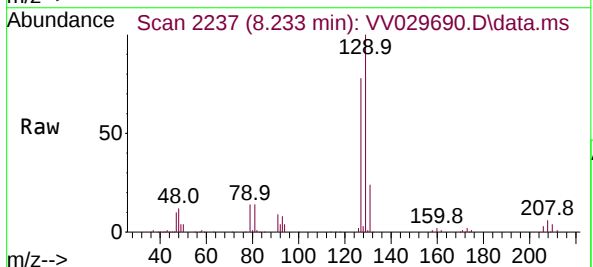
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

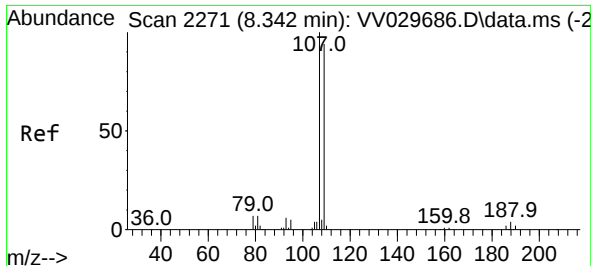
Tgt Ion:	43	Resp:	341184
Ion	Ratio	Lower	Upper
43	100		
58	61.9	54.1	81.1
57	21.3	17.4	26.0
100	15.2	13.6	20.4



#49
Dibromochloromethane
Concen: 49.102 ug/L
RT: 8.233 min Scan# 2237
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Tgt Ion:	129	Resp:	178911
Ion	Ratio	Lower	Upper
129	100		
127	78.0	55.2	102.4





#50

1,2-Dibromoethane

Concen: 49.647 ug/L

RT: 8.339 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

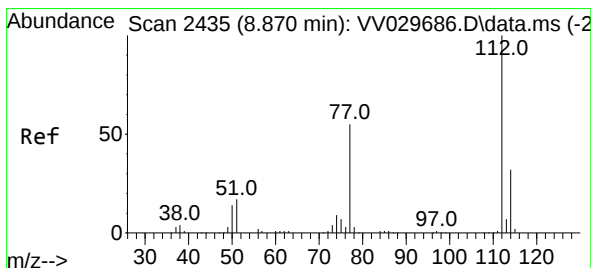
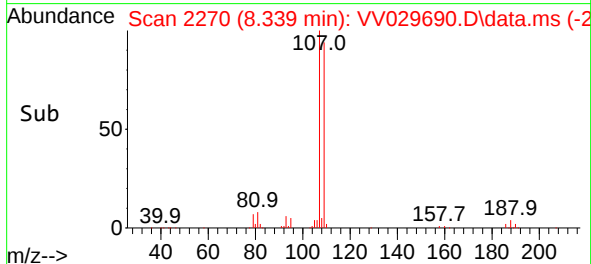
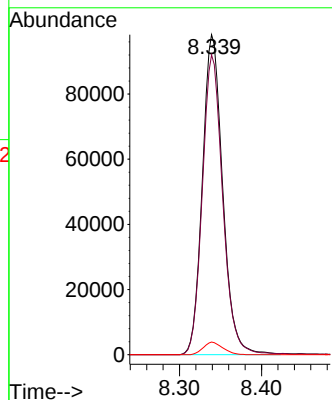
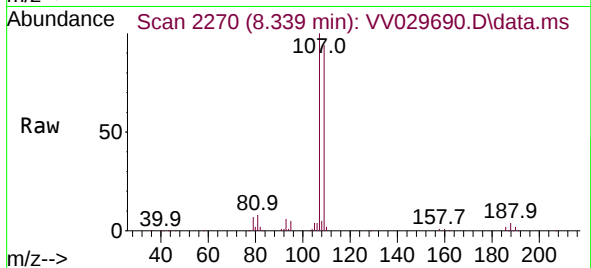
Tgt Ion:107 Resp: 168802

Ion Ratio Lower Upper

107 100

109 93.7 66.0 122.6

188 3.9 3.2 4.8



#51

Chlorobenzene

Concen: 51.322 ug/L

RT: 8.870 min Scan# 2435

Delta R.T. -0.000 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

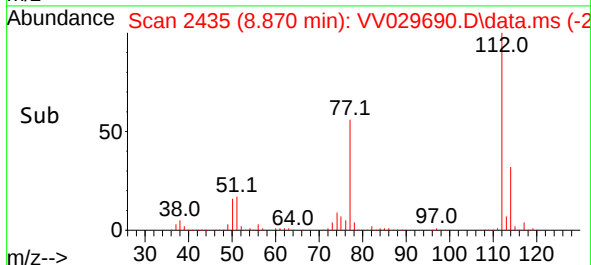
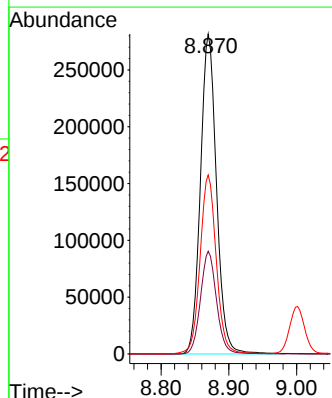
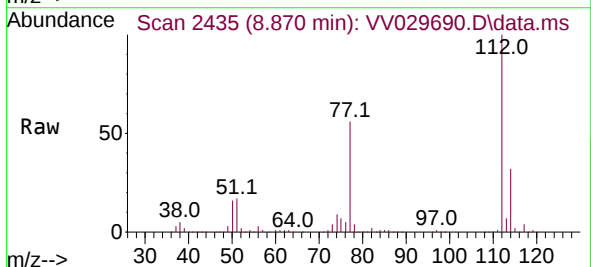
Tgt Ion:112 Resp: 462959

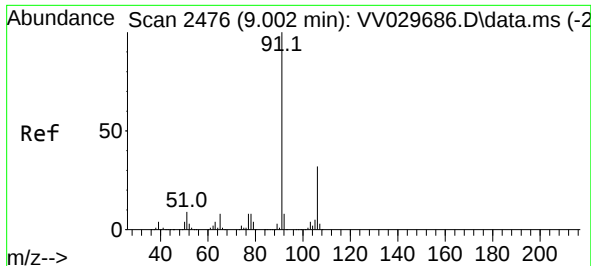
Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.3

77 56.0 45.0 67.4





#52

Ethylbenzene

Concen: 51.414 ug/L

RT: 9.001 min Scan# 2476

Delta R.T. -0.000 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

Instrument :

MSVOA_V

ClientSampleId :

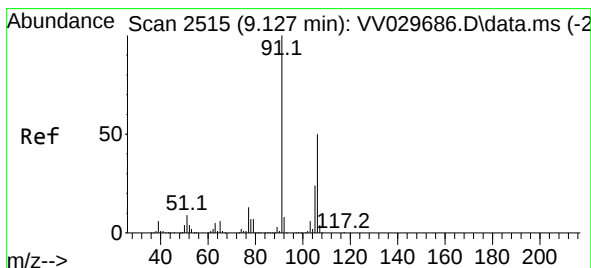
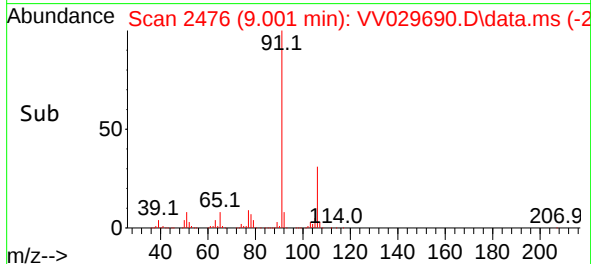
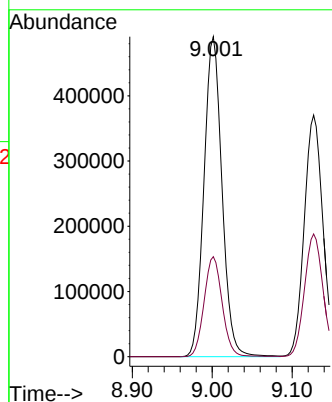
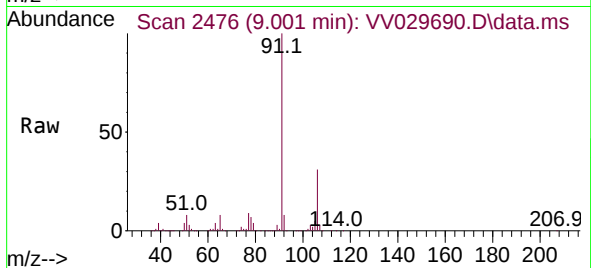
VSTD050390

Tgt Ion: 91 Resp: 770041

Ion Ratio Lower Upper

91 100

106 31.3 21.8 40.6



#53

m,p-Xylene

Concen: 51.153 ug/L

RT: 9.127 min Scan# 2515

Delta R.T. -0.000 min

Lab File: VV029690.D

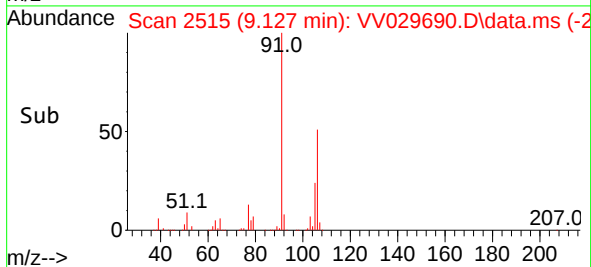
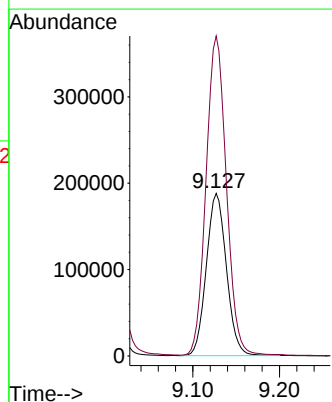
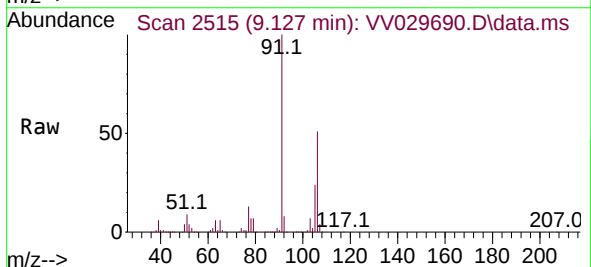
Acq: 14 Dec 2022 15:21

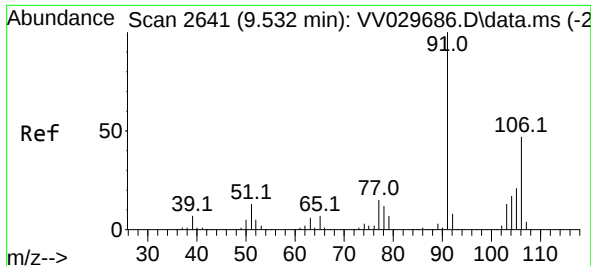
Tgt Ion: 106 Resp: 303223

Ion Ratio Lower Upper

106 100

91 196.8 139.5 259.1

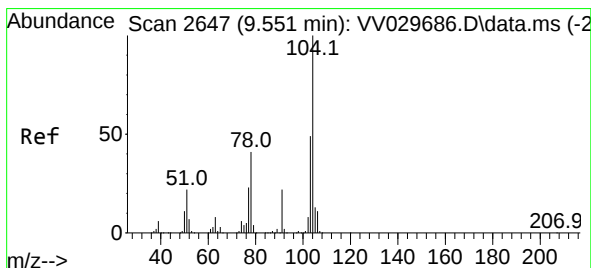
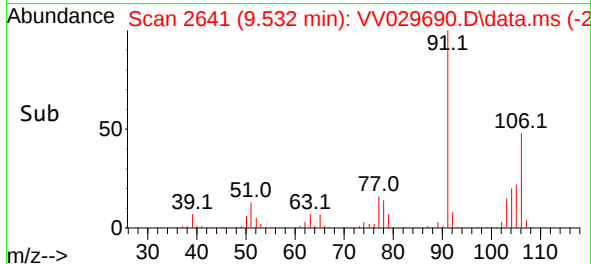
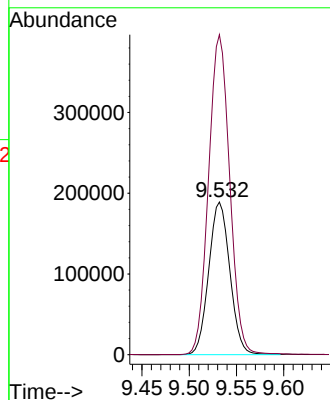
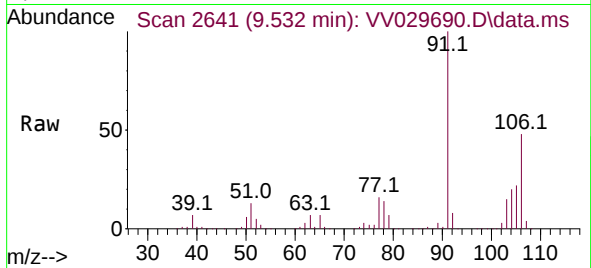




#54
o-Xylene
Concen: 50.210 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. -0.000 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

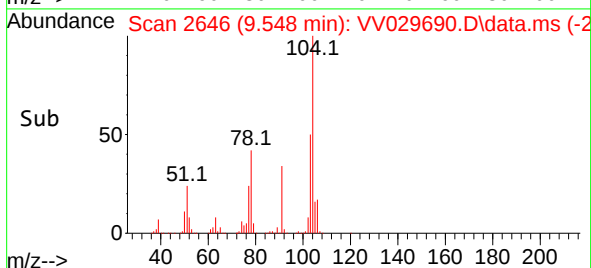
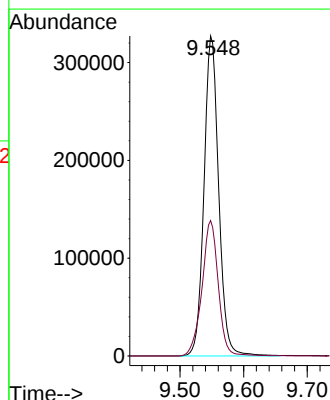
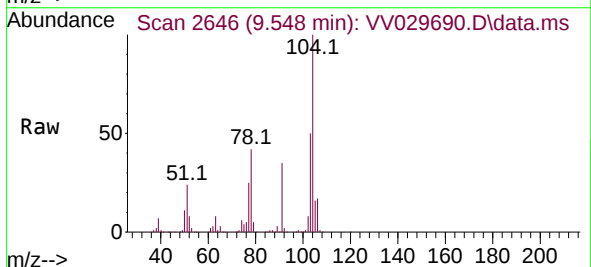
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

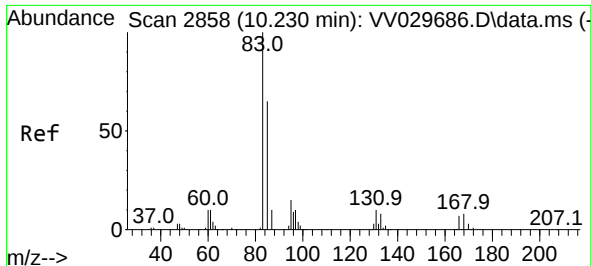
Tgt Ion:106 Resp: 294412
Ion Ratio Lower Upper
106 100
91 209.6 148.0 274.8



#55
Styrene
Concen: 51.503 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Tgt Ion:104 Resp: 524804
Ion Ratio Lower Upper
104 100
78 42.3 29.4 54.6





#57

1,1,2,2-Tetrachloroethane

Concen: 49.421 ug/L

RT: 10.230 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

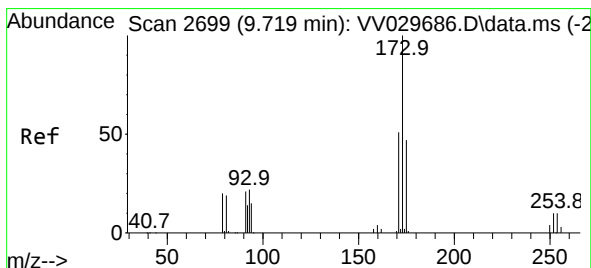
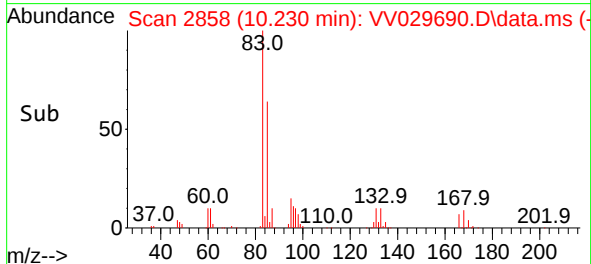
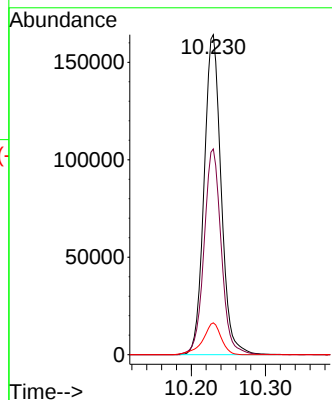
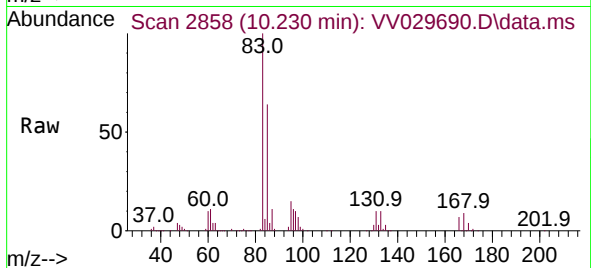
Tgt Ion: 83 Resp: 260906

Ion Ratio Lower Upper

83 100

85 64.3 45.7 84.9

131 10.0 7.9 11.9



#59

Bromoform

Concen: 46.783 ug/L

RT: 9.718 min Scan# 2699

Delta R.T. -0.000 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

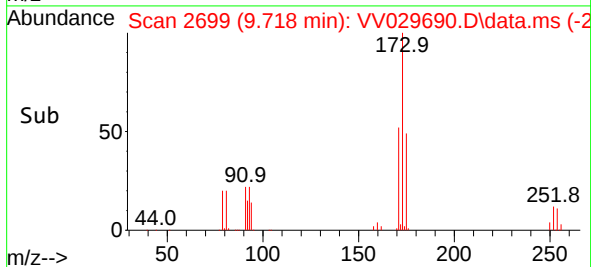
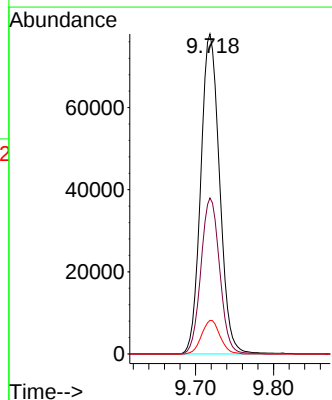
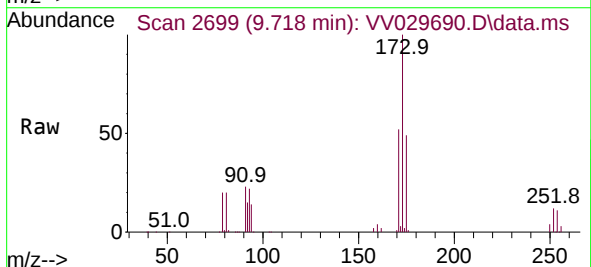
Tgt Ion: 173 Resp: 130808

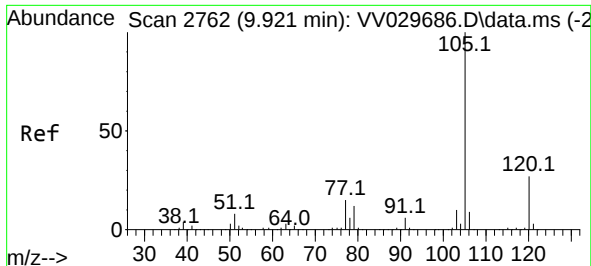
Ion Ratio Lower Upper

173 100

175 48.4 38.4 57.6

254 10.3 7.8 11.8

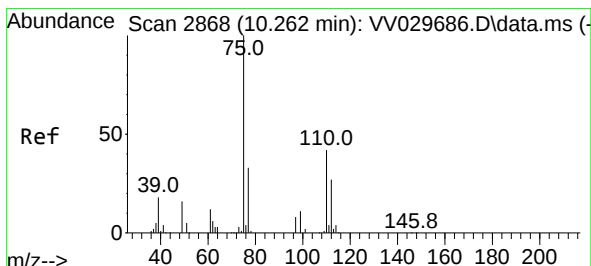
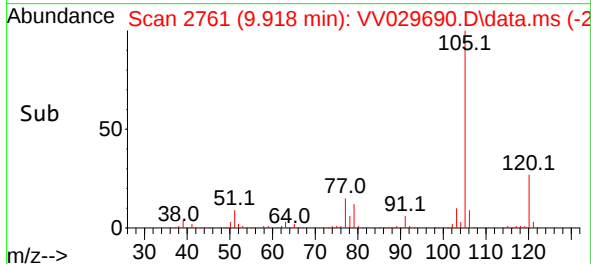
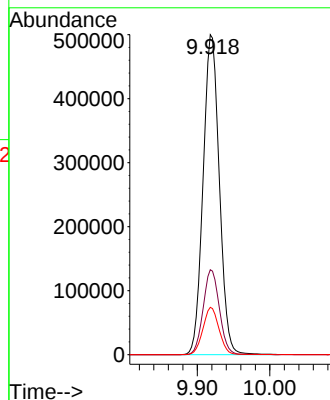
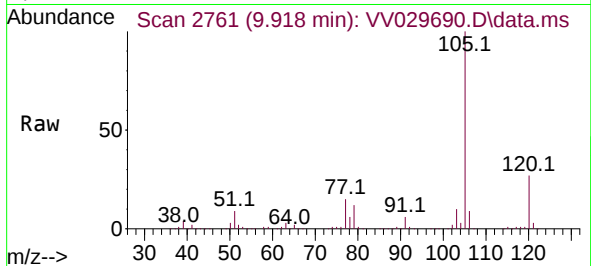




#60
Isopropylbenzene
Concen: 52.365 ug/L
RT: 9.918 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

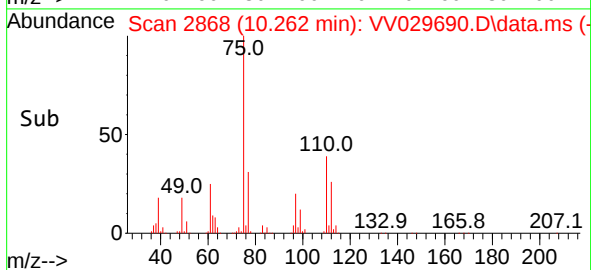
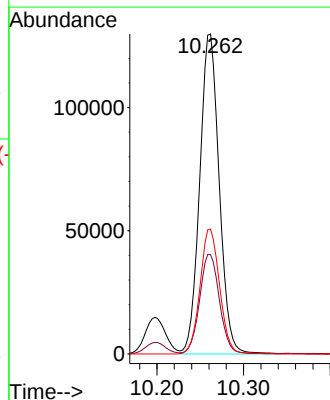
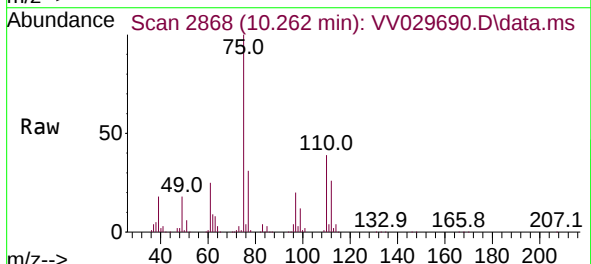
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

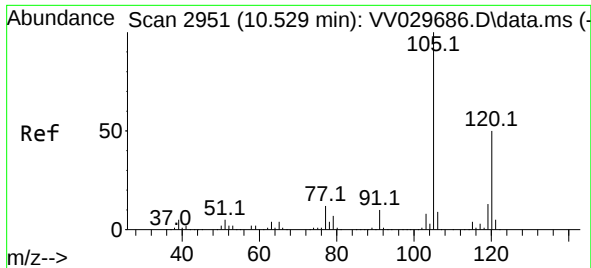
Tgt Ion:105 Resp: 778192
Ion Ratio Lower Upper
105 100
120 26.5 21.1 31.7
77 14.7 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 52.026 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.000 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Tgt Ion: 75 Resp: 203266
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2
110 39.1 32.7 49.1

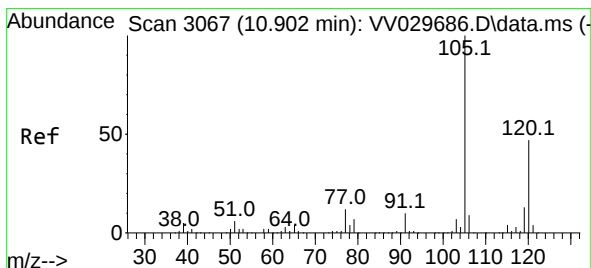
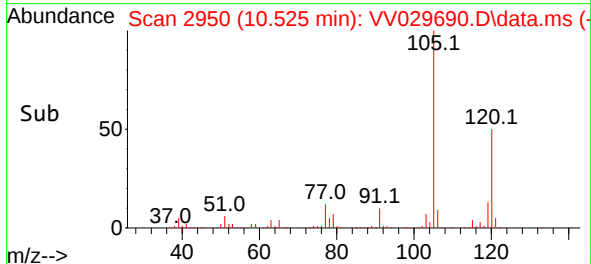
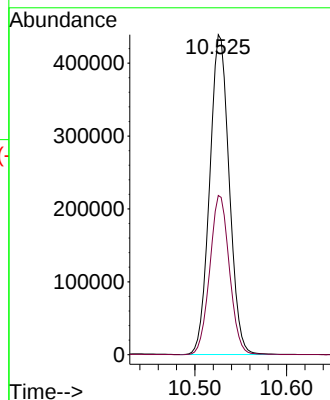
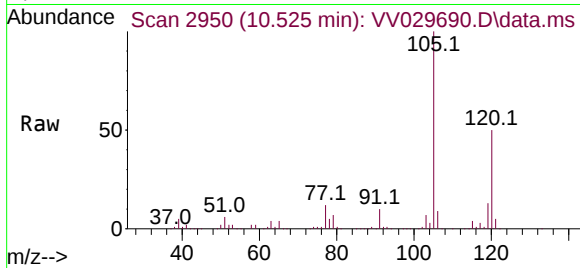




#62
1,3,5-Trimethylbenzene
Concen: 49.516 ug/L
RT: 10.525 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

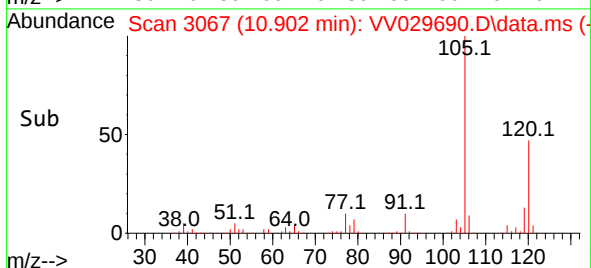
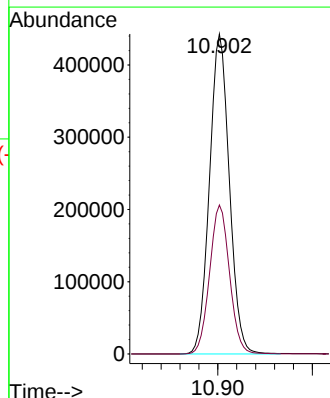
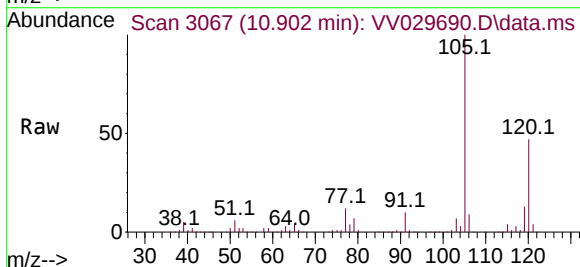
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

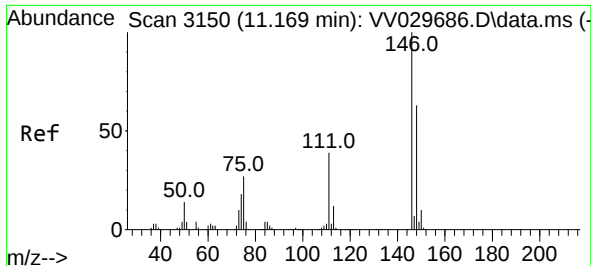
Tgt Ion:105 Resp: 650625
Ion Ratio Lower Upper
105 100
120 50.0 40.0 60.0



#63
1,2,4-Trimethylbenzene
Concen: 49.573 ug/L
RT: 10.902 min Scan# 3067
Delta R.T. -0.000 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Tgt Ion:105 Resp: 645684
Ion Ratio Lower Upper
105 100
120 46.6 36.7 55.1

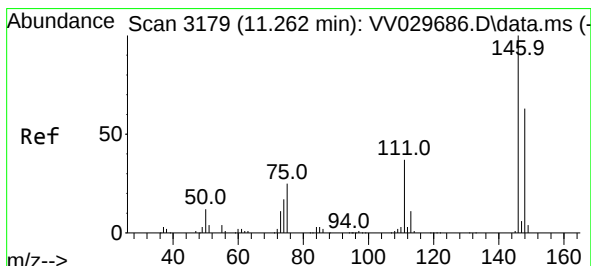
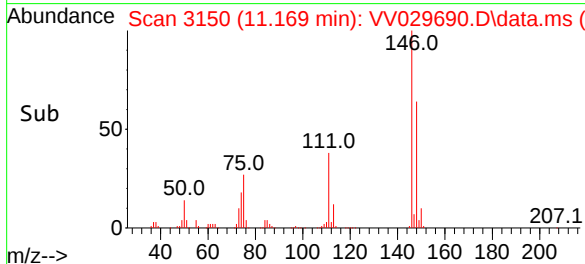
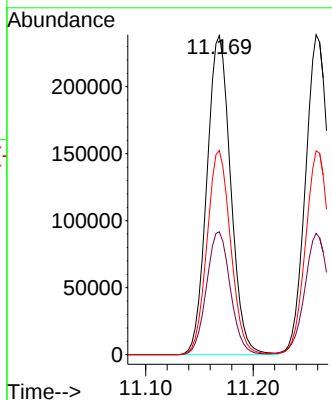
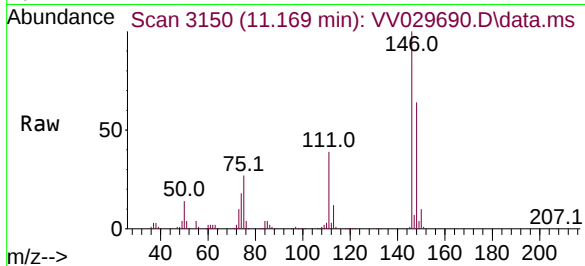




#64
1,3-Dichlorobenzene
Concen: 50.371 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

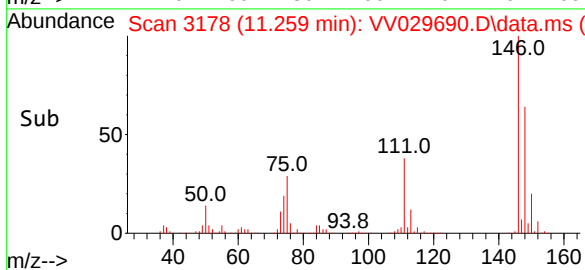
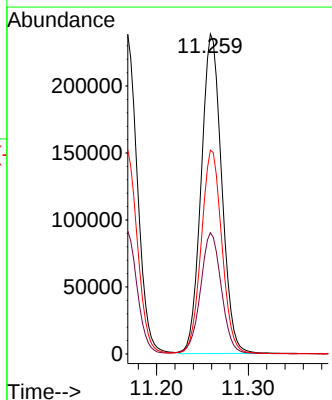
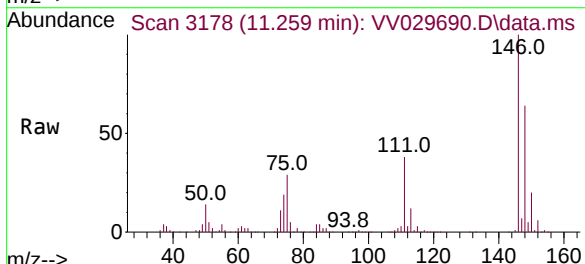
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

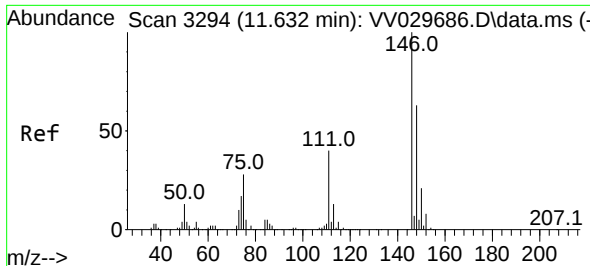
Tgt Ion:146 Resp: 366006
Ion Ratio Lower Upper
146 100
111 38.5 27.4 51.0
148 64.0 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 50.164 ug/L
RT: 11.259 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Tgt Ion:146 Resp: 370439
Ion Ratio Lower Upper
146 100
111 37.9 26.2 48.8
148 63.7 44.7 83.1

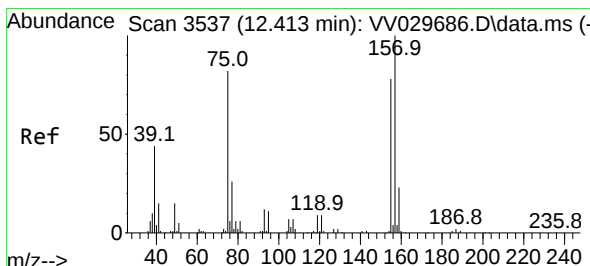
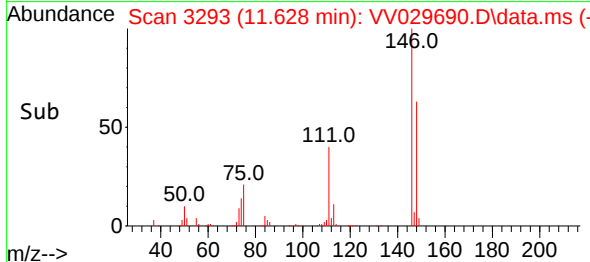
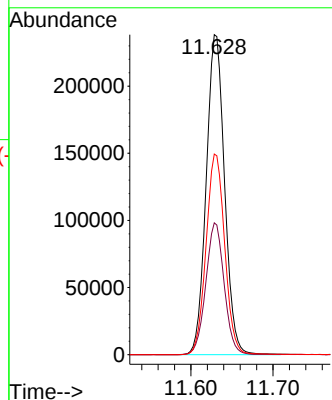
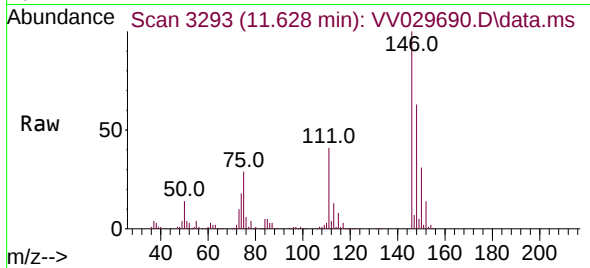




#67
1,2-Dichlorobenzene
Concen: 49.998 ug/L
RT: 11.628 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

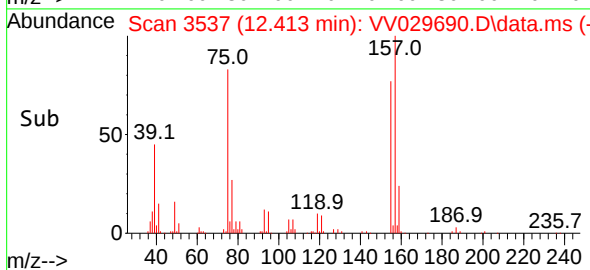
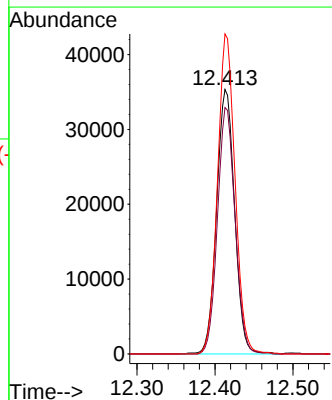
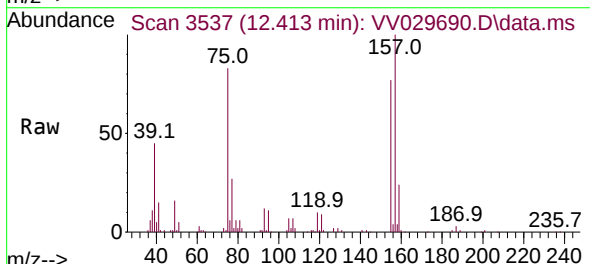
Instrument :
MSVOA_V
ClientSampleId :
VSTD050390

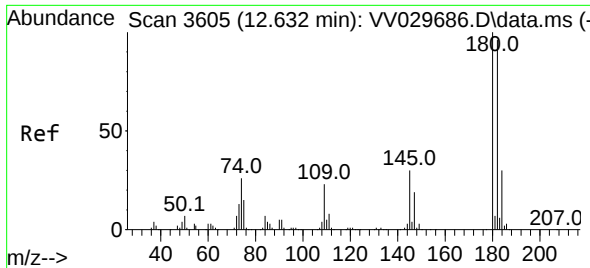
Tgt Ion:146 Resp: 371498
Ion Ratio Lower Upper
146 100
111 41.2 32.0 48.0
148 62.7 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 46.771 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VV029690.D
Acq: 14 Dec 2022 15:21

Tgt Ion: 75 Resp: 56795
Ion Ratio Lower Upper
75 100
155 93.2 76.2 114.2
157 121.0 96.0 144.0

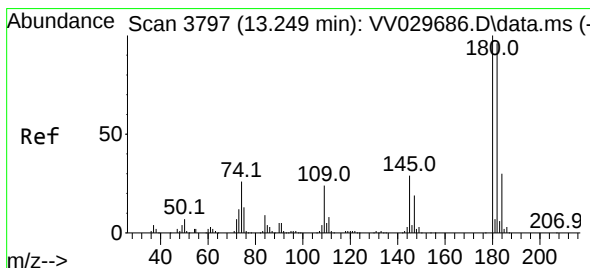
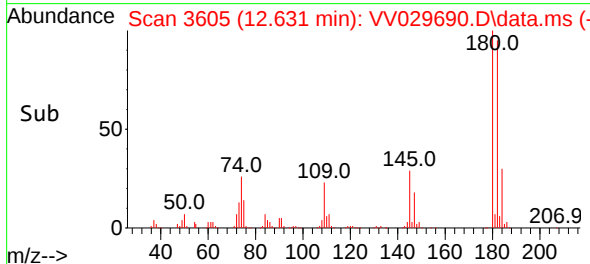
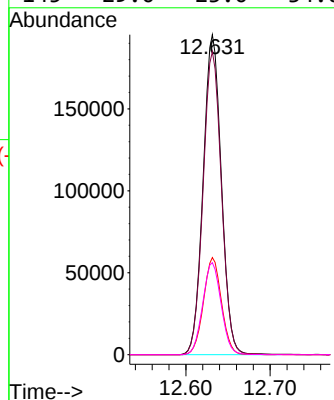
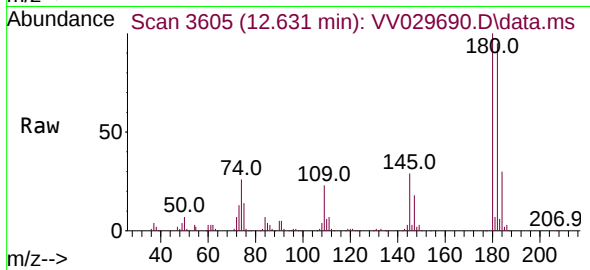




#69
 1,3,5-Trichlorobenzene
 Concen: 50.881 ug/L
 RT: 12.631 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VV029690.D
 Acq: 14 Dec 2022 15:21

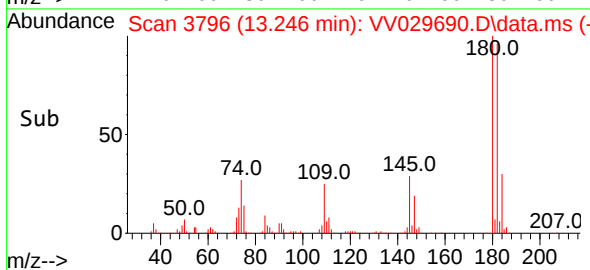
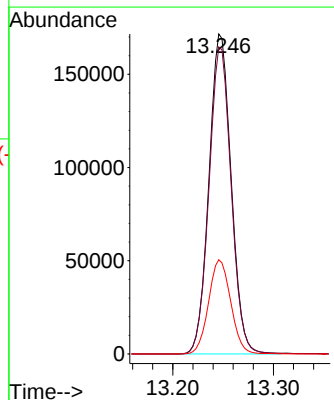
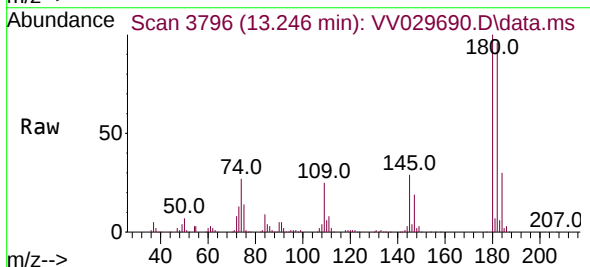
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050390

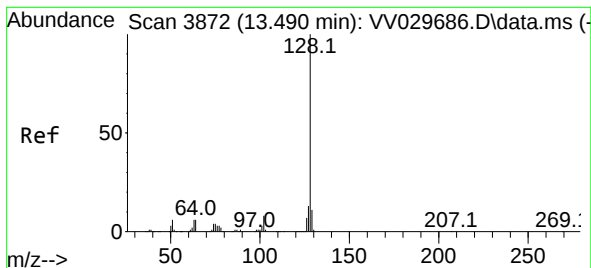
Tgt Ion:180	Resp:	294223
Ion Ratio	Lower	Upper
180	100	
182	95.5	76.5 114.7
184	30.0	24.6 36.8
145	29.0	23.0 34.6



#70
 1,2,4-trichlorobenzene
 Concen: 51.177 ug/L
 RT: 13.246 min Scan# 3796
 Delta R.T. -0.003 min
 Lab File: VV029690.D
 Acq: 14 Dec 2022 15:21

Tgt Ion:180	Resp:	263153
Ion Ratio	Lower	Upper
180	100	
182	95.9	76.3 114.5
145	29.4	23.7 35.5





#71

Naphthalene

Concen: 53.125 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. -0.000 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD050390

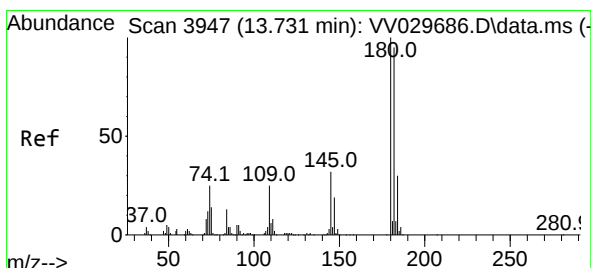
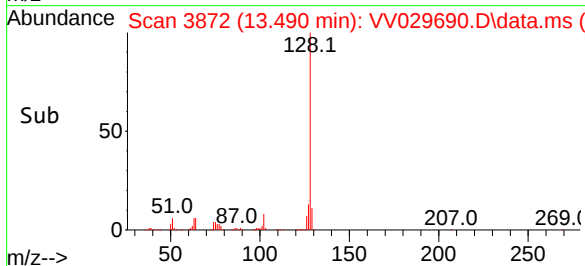
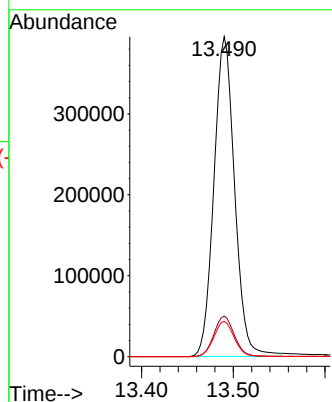
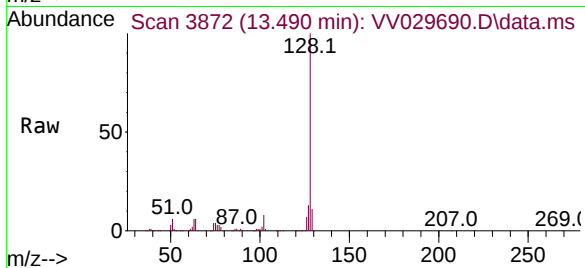
Tgt Ion:128 Resp: 619627

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 11.0 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 51.932 ug/L

RT: 13.728 min Scan# 3946

Delta R.T. -0.003 min

Lab File: VV029690.D

Acq: 14 Dec 2022 15:21

Tgt Ion:180 Resp: 261556

Ion Ratio Lower Upper

180 100

182 95.0 76.4 114.6

145 31.9 25.0 37.6

