

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052622\
 Data File : VW025969.D
 Acq On : 26 May 2022 19:34
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050296

Quant Time: May 27 01:31:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 27 01:28:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	342492	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	348353	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	194770	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.311	65	143323	32.425	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.840%
7) Chloroethane-d5	1.571	69	124598	32.099	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	64.200%#
11) 1,1-Dichloroethene-d2	2.111	63	295636	38.242	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.480%
21) 2-Butanone-d5	3.902	46	180165	95.097	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.100%
24) Chloroform-d	4.352	84	261979	42.434	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.860%
26) 1,2-Dichloroethane-d4	5.034	65	154736	41.470	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.940%
32) Benzene-d6	5.050	84	499384	41.121	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.240%
36) 1,2-Dichloropropane-d6	6.069	67	159229	42.690	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.380%
41) Toluene-d8	7.314	98	458110	40.942	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.880%
43) trans-1,3-Dichloroprop...	7.622	79	67759	40.696	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.400%
47) 2-Hexanone-d5	8.092	63	127188	93.009	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.010%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	231540	46.549	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.100%
66) 1,2-Dichlorobenzene-d4	11.622	152	181610	42.508	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.134	85	172490	48.712	ug/L	100
3) Chloromethane	1.243	50	201667	47.090	ug/L	100
5) Vinyl chloride	1.314	62	209888	48.207	ug/L	99
6) Bromomethane	1.526	94	117111	44.265	ug/L	99
8) Chloroethane	1.587	64	134844	41.470	ug/L	100
9) Trichlorofluoromethane	1.758	101	285165	46.088	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	151335	46.035	ug/L	98
12) 1,1-Dichloroethene	2.121	96	156084	48.274	ug/L	91
13) Acetone	2.195	43	101104	78.203	ug/L	88
14) Carbon disulfide	2.298	76	390510	48.829	ug/L	100
15) Methyl Acetate	2.442	43	128161	46.271	ug/L	97
16) Methylene chloride	2.510	84	166349	53.116	ug/L	99
17) trans-1,2-Dichloroethene	2.764	96	139871	50.352	ug/L	98
18) Methyl tert-butyl Ether	2.774	73	432831	53.574	ug/L	99
19) 1,1-Dichloroethane	3.192	63	269989	52.036	ug/L	99
20) cis-1,2-Dichloroethene	3.915	96	148620	49.565	ug/L	99
22) 2-Butanone	3.986	43	152363	88.372	ug/L	91
23) Bromochloromethane	4.249	128	82279	51.951	ug/L	99
25) Chloroform	4.375	83	276962	50.374	ug/L	100

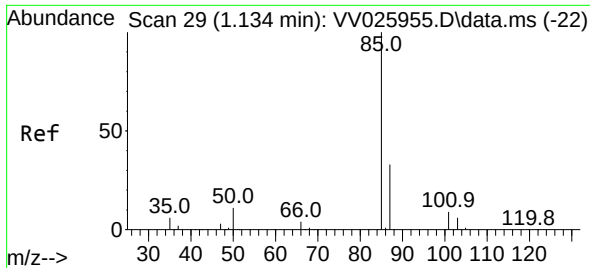
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052622\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	204112	49.102	ug/L	99
29) Cyclohexane	4.680	56	216086	51.237	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	238335	50.377	ug/L	97
31) Carbon tetrachloride	4.831	117	195317	49.175	ug/L	100
33) Benzene	5.101	78	606053	51.669	ug/L	100
34) Trichloroethene	5.915	95	145296	47.360	ug/L	98
35) Methylcyclohexane	6.130	83	219686	47.812	ug/L	98
37) 1,2-Dichloropropane	6.172	63	158522	53.800	ug/L	100
38) Bromodichloromethane	6.510	83	196496	49.315	ug/L	98
39) cis-1,3-Dichloropropene	7.027	75	209311	49.814	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	385700	111.985	ug/L	99
42) Toluene	7.388	91	645170	51.273	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	203654	50.379	ug/L	100
45) 1,1,2-Trichloroethane	7.838	97	155644	51.987	ug/L	99
46) Tetrachloroethene	7.976	164	108287	47.850	ug/L	96
48) 2-Hexanone	8.140	43	303408	113.219	ug/L	99
49) Dibromochloromethane	8.246	129	140927	47.722	ug/L	99
50) 1,2-Dibromoethane	8.352	107	156409	51.374	ug/L	95
51) Chlorobenzene	8.879	112	404459	50.197	ug/L	100
52) Ethylbenzene	9.011	91	656895	50.601	ug/L	99
53) m,p-Xylene	9.137	106	260662	51.767	ug/L	97
54) o-Xylene	9.542	106	255258	51.606	ug/L	100
55) Styrene	9.558	104	459577	53.324	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	240983	53.948	ug/L	99
59) Bromoform	9.728	173	81902	43.592	ug/L	98
60) Isopropylbenzene	9.931	105	651737	49.956	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	190355	49.377	ug/L	100
62) 1,3,5-Trimethylbenzene	10.539	105	419490	62.380	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	533294	51.113	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	304661	49.334	ug/L	100
65) 1,4-Dichlorobenzene	11.272	146	312462	48.281	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	310406	48.595	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.426	75	42504	47.755	ug/L	95
69) 1,3,5-Trichlorobenzene	12.645	180	197214	46.251	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	167786	46.210	ug/L	99
71) Naphthalene	13.500	128	527256	49.033	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	182539	49.334	ug/L	100

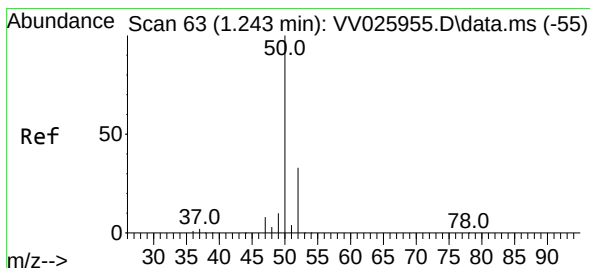
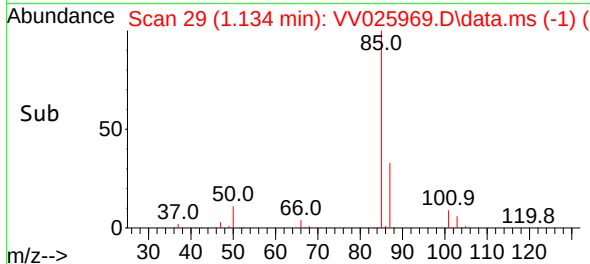
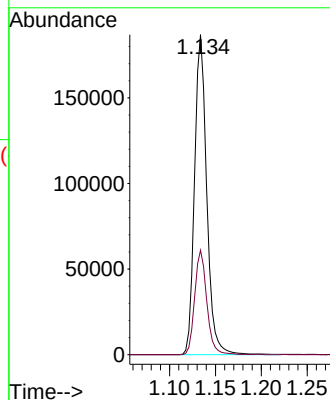
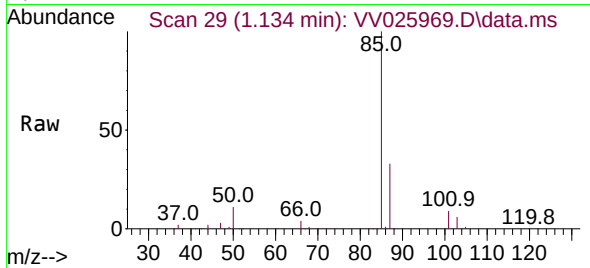
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 48.712 ug/L
 RT: 1.134 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VV025969.D
 Acq: 26 May 2022 19:34

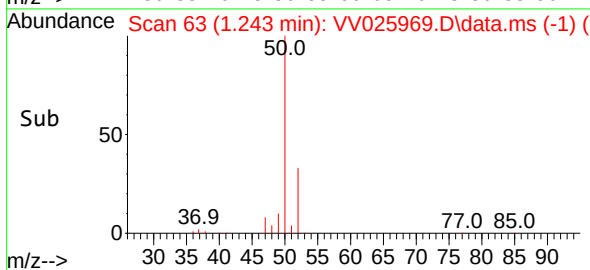
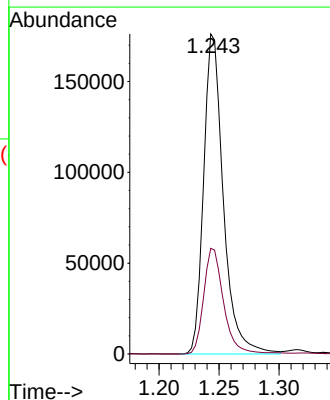
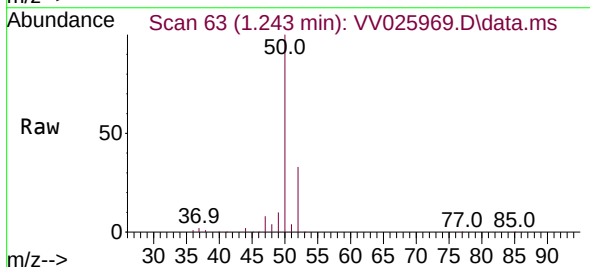
Instrument :
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 ClientSampleId :
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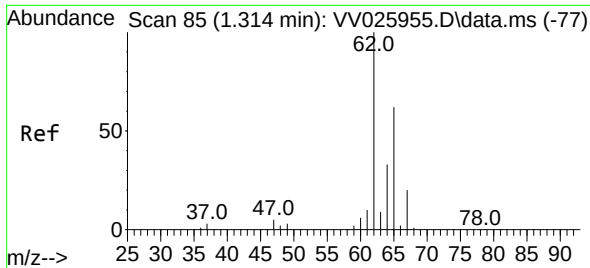
Tgt Ion: 85 Resp: 172490
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.0 39.0



#3
 Chloromethane
 Concen: 47.090 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.000 min
 Lab File: VV025969.D
 Acq: 26 May 2022 19:34

Tgt Ion: 50 Resp: 201667
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.2 43.2

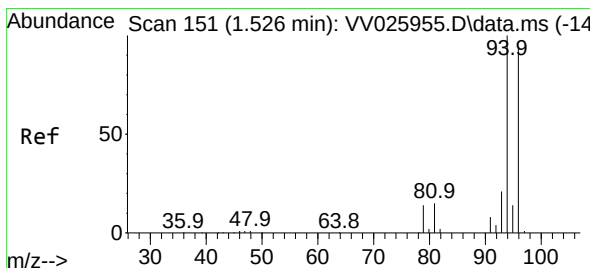
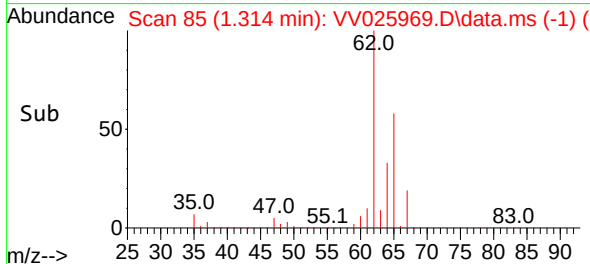
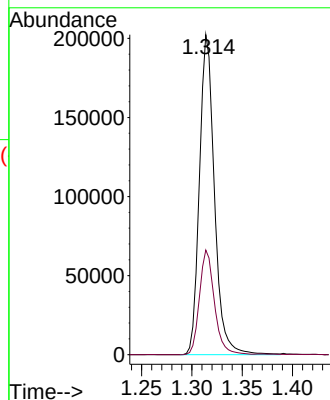
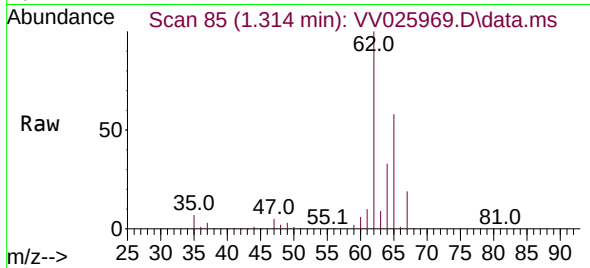




#5
 Vinyl chloride
 Concen: 48.207 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. 0.000 min
 Lab File: VV025969.D
 Acq: 26 May 2022 19:34

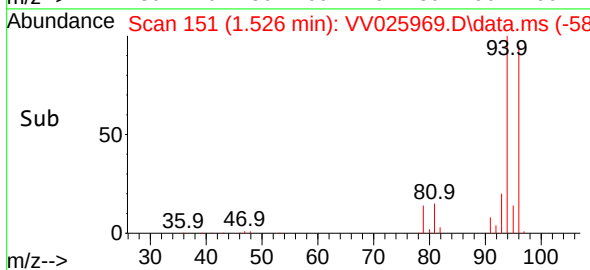
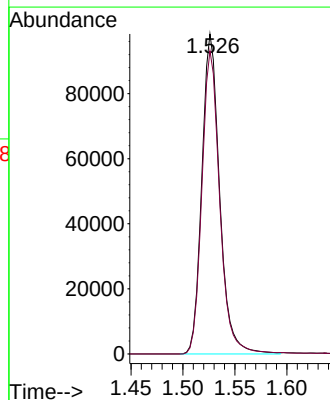
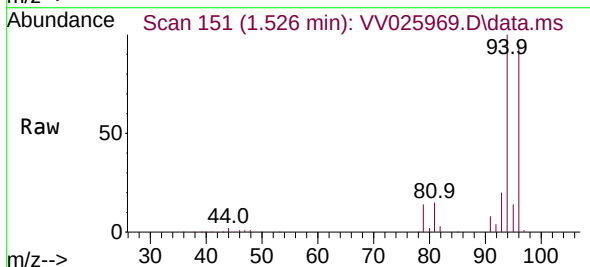
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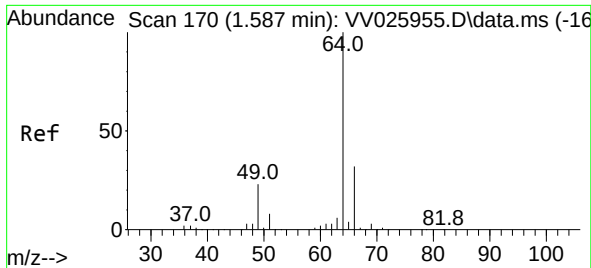
Tgt Ion: 62 Resp: 209888
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.2 43.0



#6
 Bromomethane
 Concen: 44.265 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.000 min
 Lab File: VV025969.D
 Acq: 26 May 2022 19:34

Tgt Ion: 94 Resp: 117111
 Ion Ratio Lower Upper
 94 100
 96 94.8 65.9 122.3

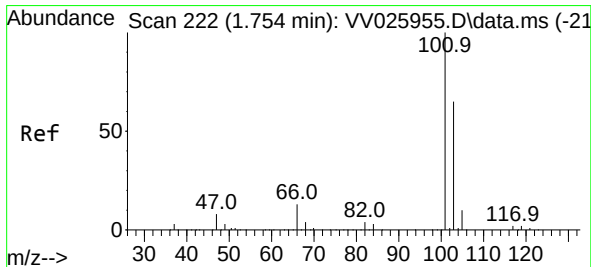
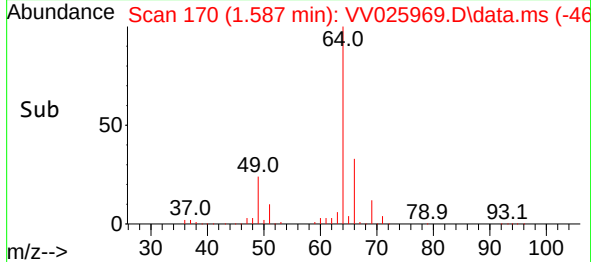
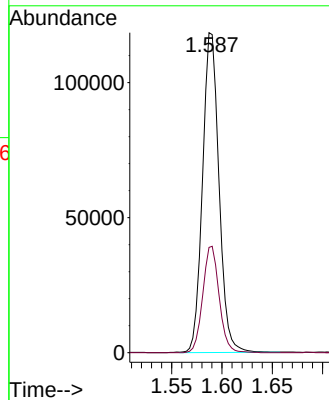
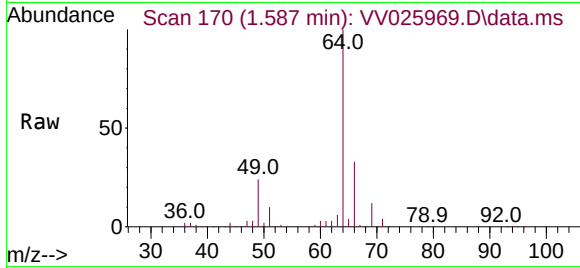




#8
Chloroethane
Concen: 41.470 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

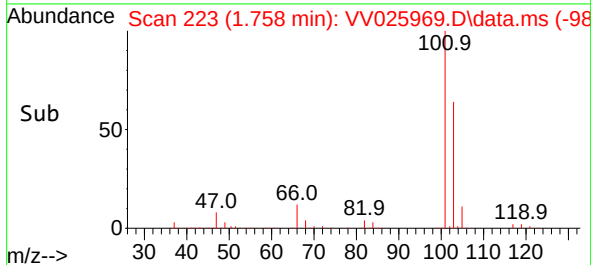
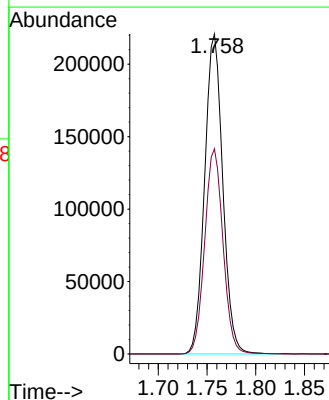
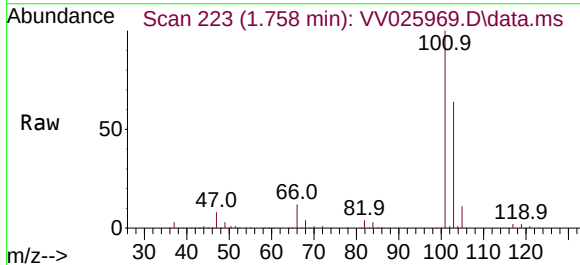
Instrument :
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ClientSampleId :
VSTD050296

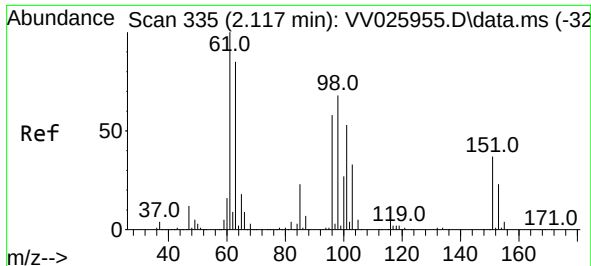
Tgt Ion: 64 Resp: 134844
Ion Ratio Lower Upper
64 100
66 32.9 22.9 42.5



#9
Trichlorofluoromethane
Concen: 46.088 ug/L
RT: 1.758 min Scan# 223
Delta R.T. 0.003 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Tgt Ion:101 Resp: 285165
Ion Ratio Lower Upper
101 100
103 64.7 51.5 77.3

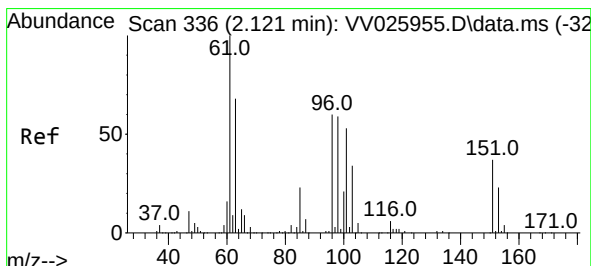
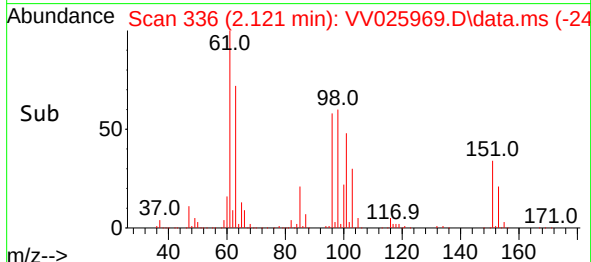
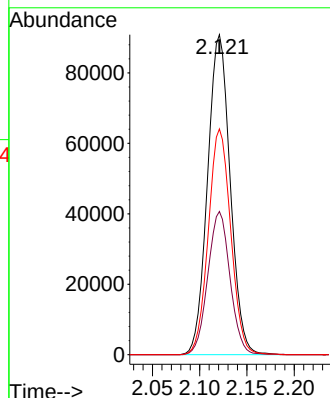
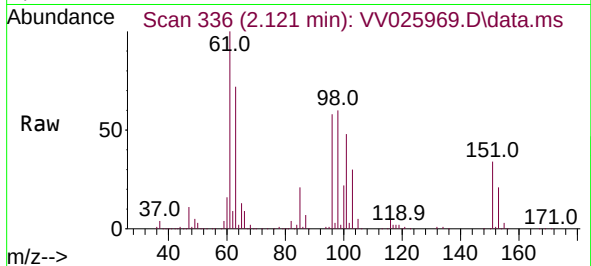




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.035 ug/L
 RT: 2.121 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV025969.D
 Acq: 26 May 2022 19:34

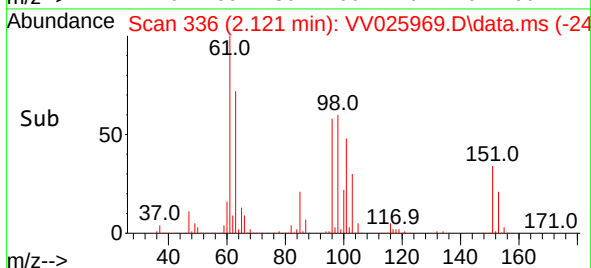
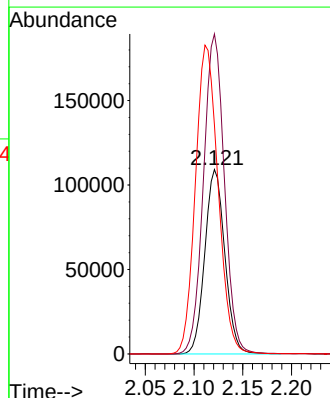
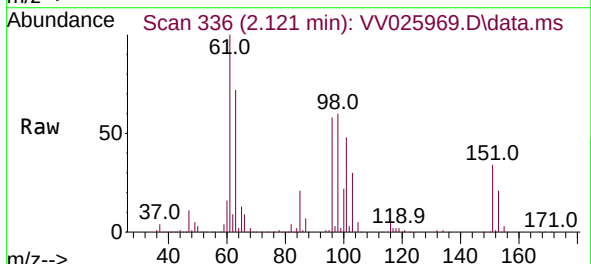
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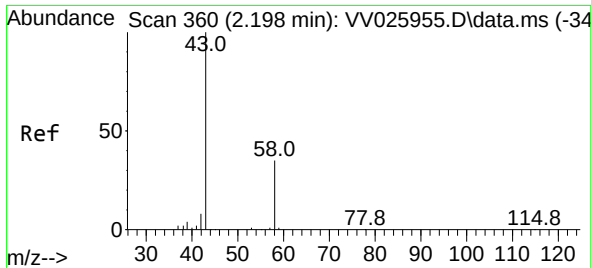
Tgt Ion:101 Resp: 151335
 Ion Ratio Lower Upper
 101 100
 85 43.9 34.6 51.8
 151 69.9 54.3 81.5



#12
 1,1-Dichloroethene
 Concen: 48.274 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.000 min
 Lab File: VV025969.D
 Acq: 26 May 2022 19:34

Tgt Ion: 96 Resp: 156084
 Ion Ratio Lower Upper
 96 100
 61 173.5 124.6 231.4
 63 124.1 101.6 188.6

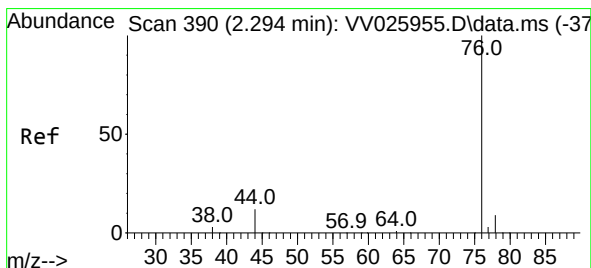
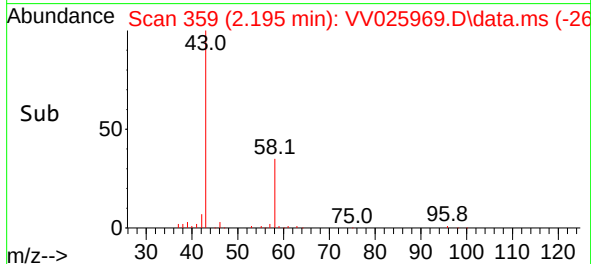
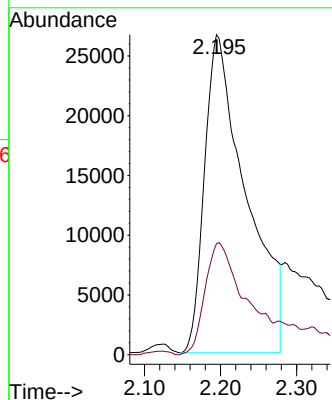
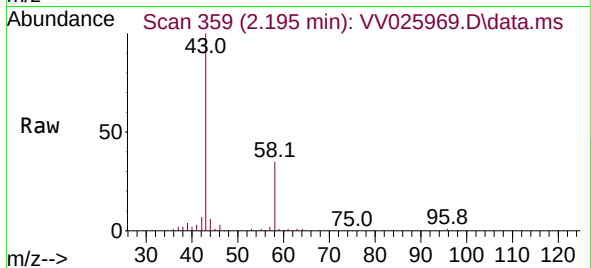




#13
Acetone
Concen: 78.203 ug/L
RT: 2.195 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

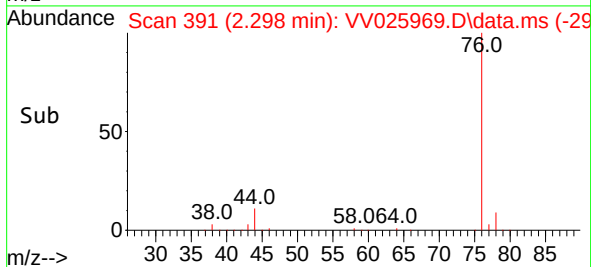
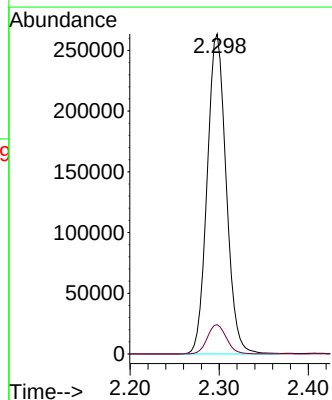
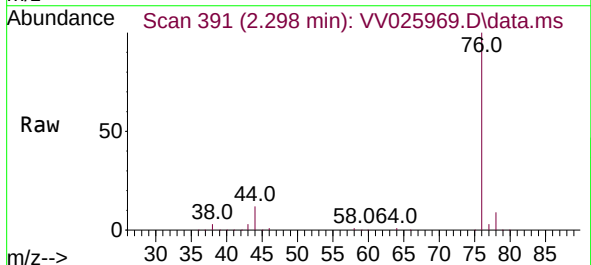
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

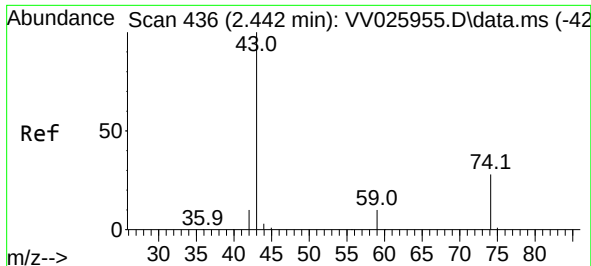
Tgt Ion: 43 Resp: 101104
Ion Ratio Lower Upper
43 100
58 25.5 0.0 65.0



#14
Carbon disulfide
Concen: 48.829 ug/L
RT: 2.298 min Scan# 391
Delta R.T. 0.003 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Tgt Ion: 76 Resp: 390510
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

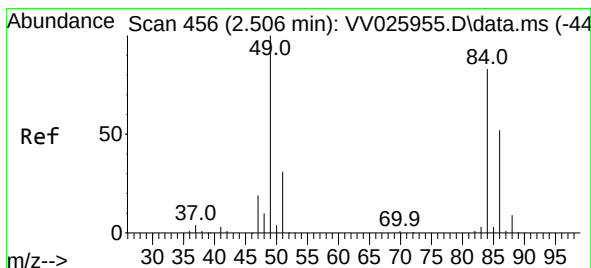
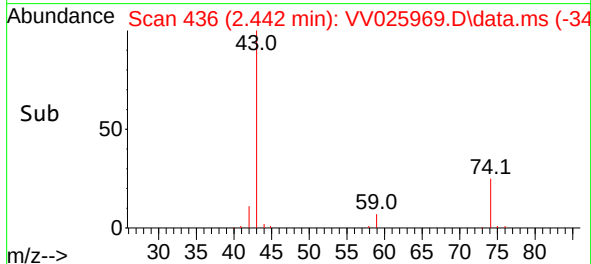
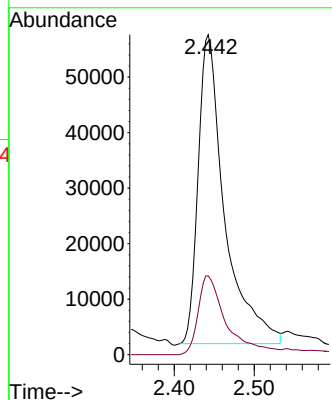
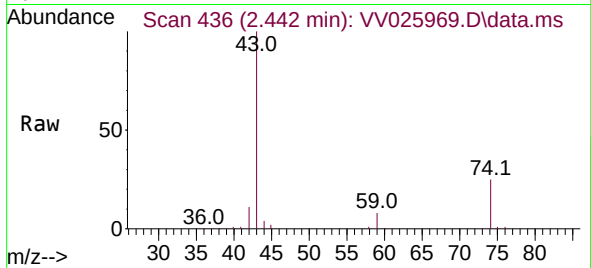




#15
Methyl Acetate
Concen: 46.271 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

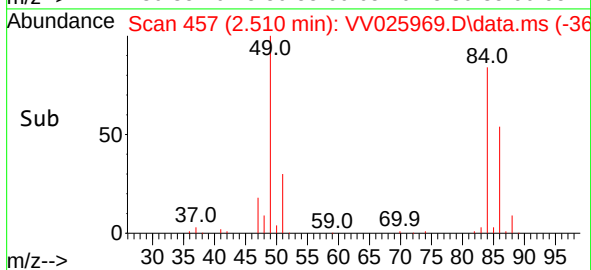
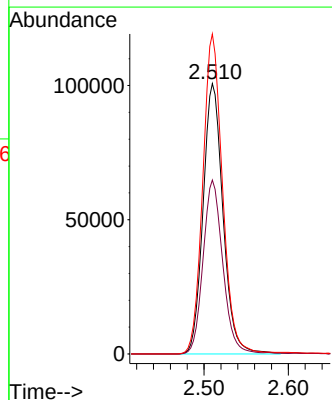
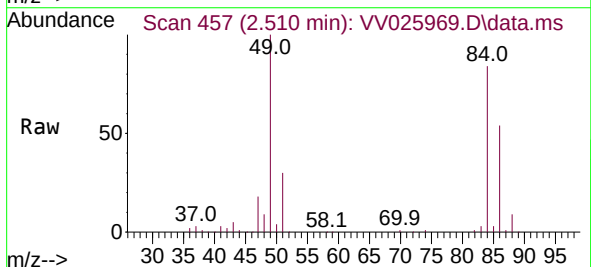
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

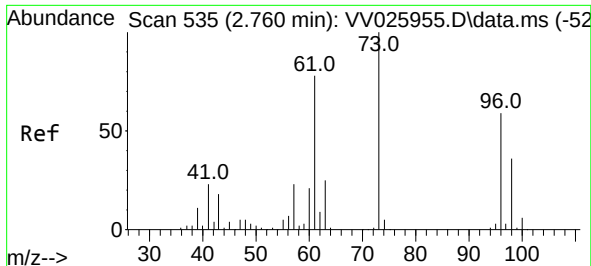
Tgt Ion: 43 Resp: 128161
Ion Ratio Lower Upper
43 100
74 27.4 20.7 31.1



#16
Methylene chloride
Concen: 53.116 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.003 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Tgt Ion: 84 Resp: 166349
Ion Ratio Lower Upper
84 100
86 64.3 44.2 82.0
49 118.3 82.7 153.5

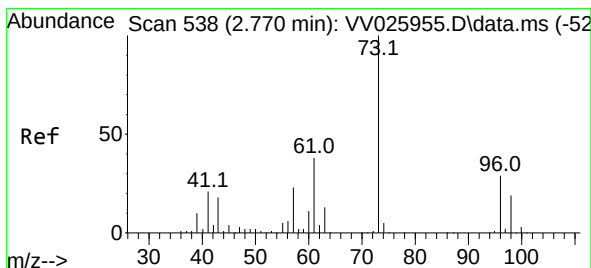
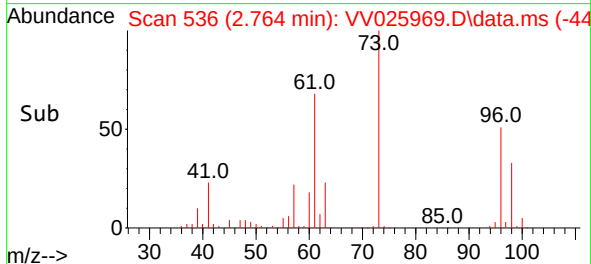
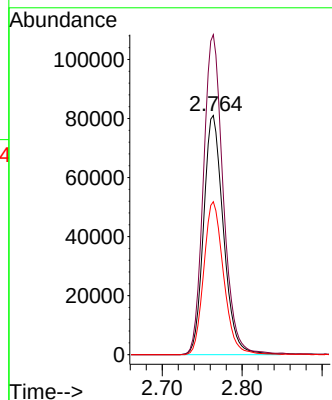
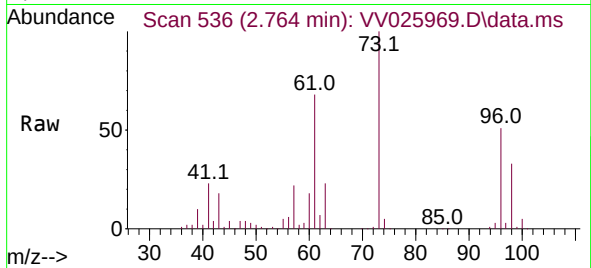




#17
trans-1,2-Dichloroethene
Concen: 50.352 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

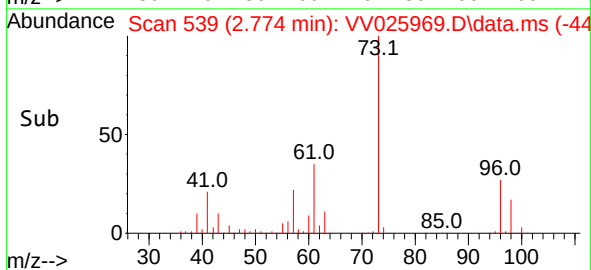
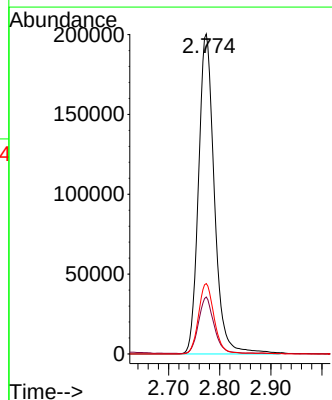
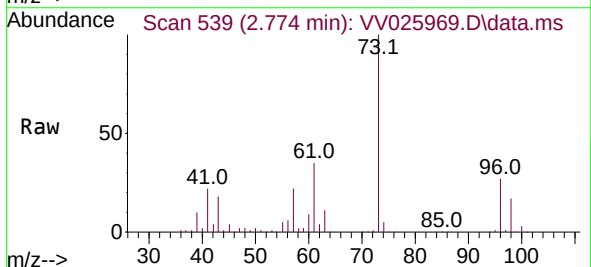
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

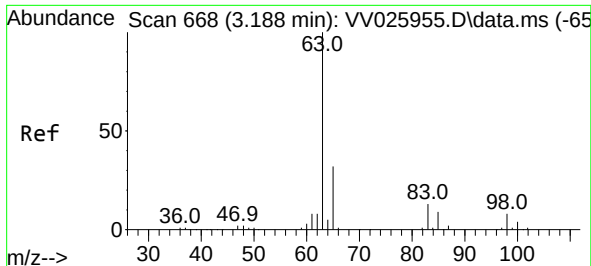
Tgt Ion: 96 Resp: 139871
Ion Ratio Lower Upper
96 100
61 133.8 92.7 172.1
98 63.9 43.1 80.1



#18
Methyl tert-butyl Ether
Concen: 53.574 ug/L
RT: 2.774 min Scan# 539
Delta R.T. 0.003 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Tgt Ion: 73 Resp: 432831
Ion Ratio Lower Upper
73 100
43 17.2 14.6 22.0
57 21.6 17.5 26.3





#19

1,1-Dichloroethane

Concen: 52.036 ug/L

RT: 3.192 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050296

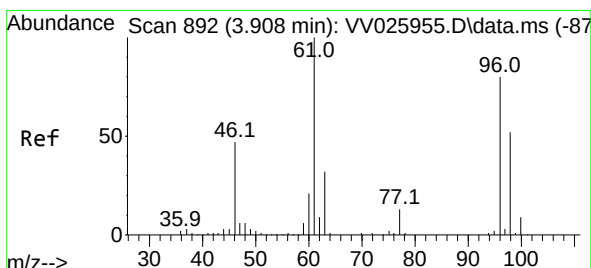
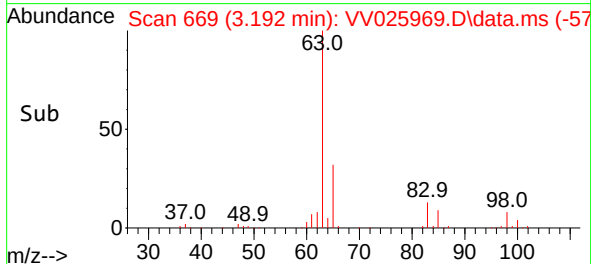
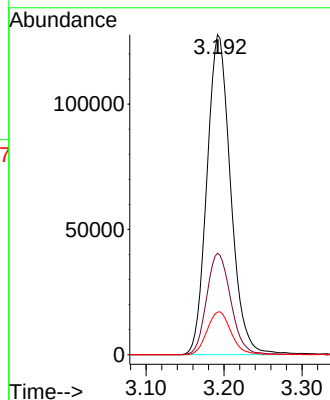
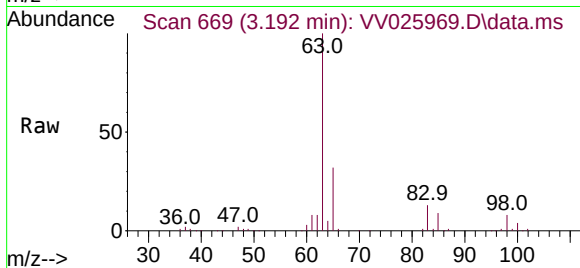
Tgt Ion: 63 Resp: 269989

Ion Ratio Lower Upper

63 100

65 31.7 22.0 40.8

83 13.3 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 49.565 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.007 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

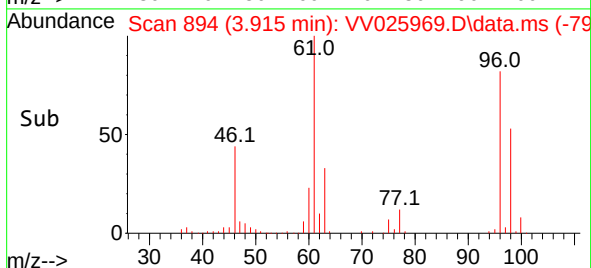
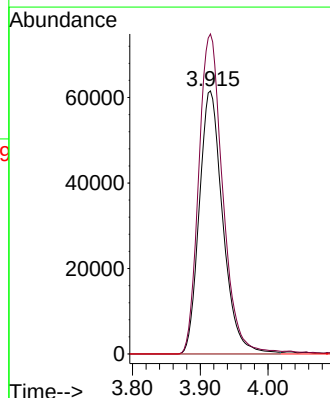
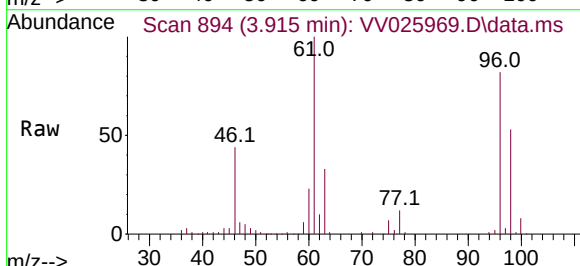
Tgt Ion: 96 Resp: 148620

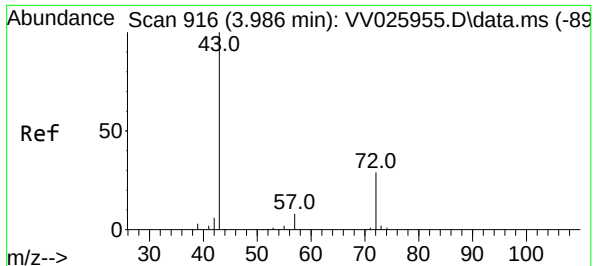
Ion Ratio Lower Upper

96 100

61 121.6 86.0 159.6

68 0.0 0.0 0.0

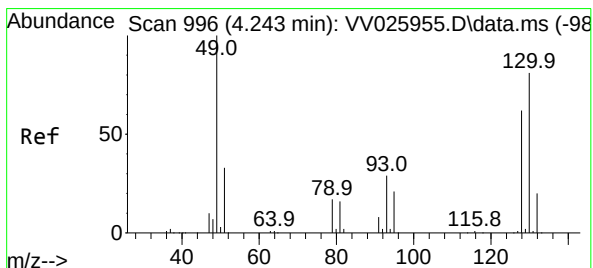
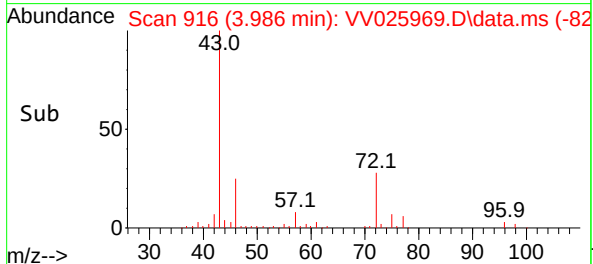
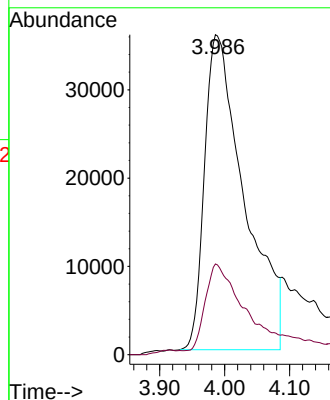
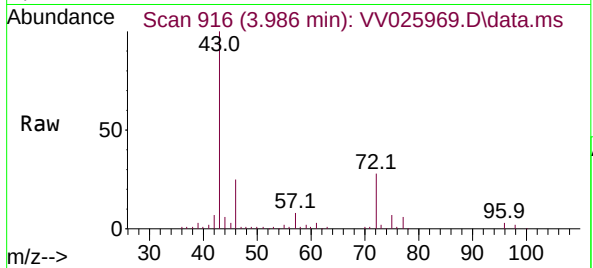




#22
2-Butanone
Concen: 88.372 ug/L
RT: 3.986 min Scan# 916
Delta R.T. 0.000 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

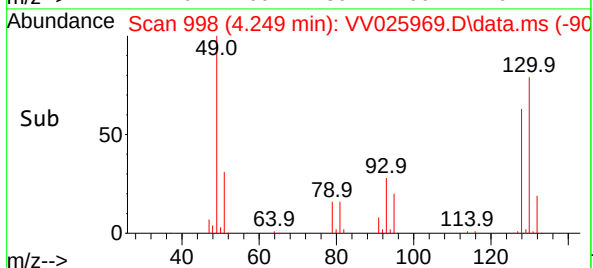
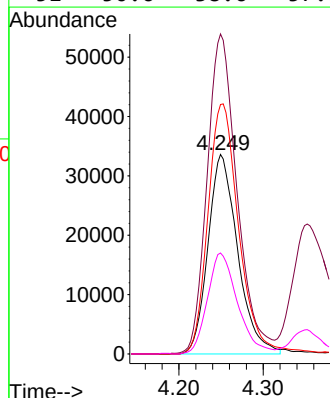
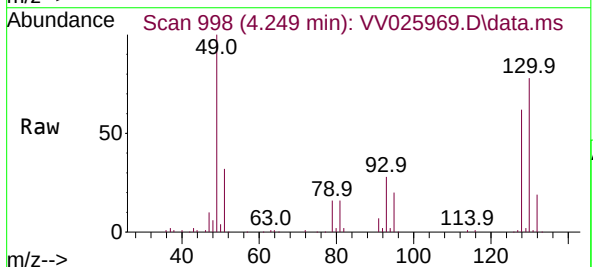
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

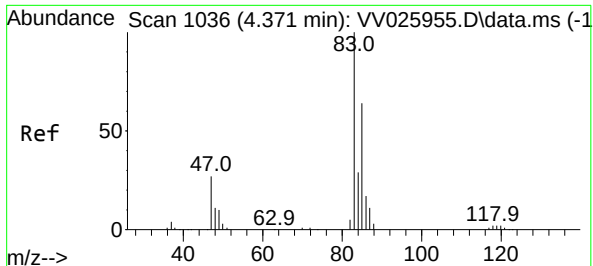
Tgt Ion: 43 Resp: 152363
Ion Ratio Lower Upper
43 100
72 22.9 13.8 41.4



#23
Bromochloromethane
Concen: 51.951 ug/L
RT: 4.249 min Scan# 998
Delta R.T. 0.007 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Tgt Ion:128 Resp: 82279
Ion Ratio Lower Upper
128 100
49 160.4 111.0 206.2
130 125.0 87.1 161.7
51 50.6 38.6 57.8





#25

Chloroform

Concen: 50.374 ug/L

RT: 4.375 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

Instrument :

MSVOA_V

ClientSampleId :

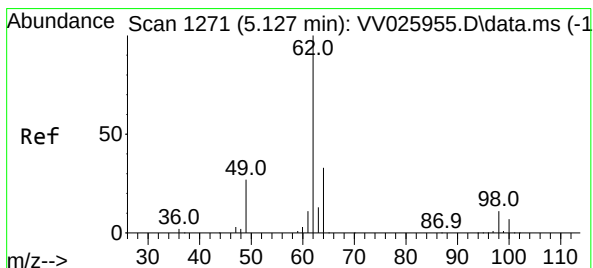
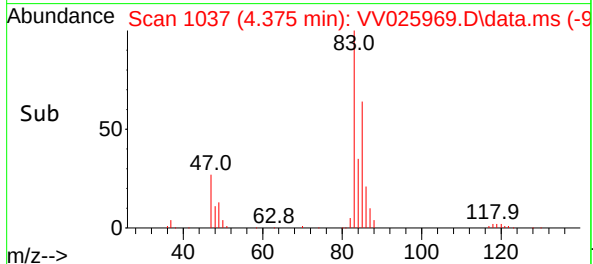
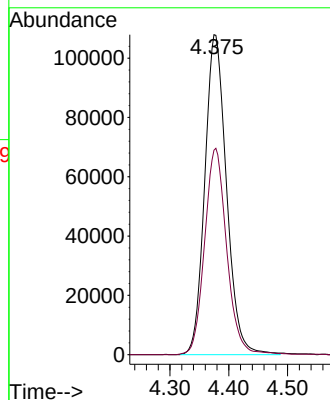
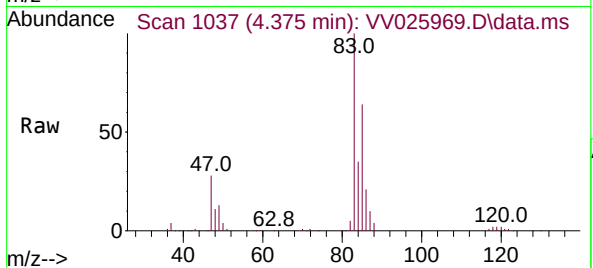
VSTD050296

Tgt Ion: 83 Resp: 276962

Ion Ratio Lower Upper

83 100

85 63.9 44.9 83.3



#27

1,2-Dichloroethane

Concen: 49.102 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VV025969.D

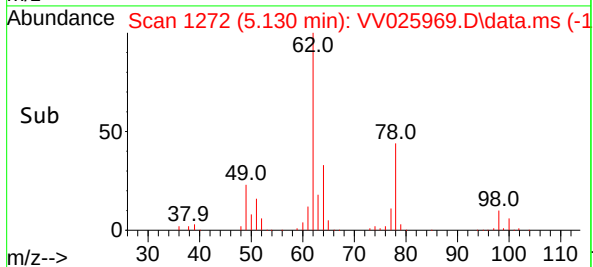
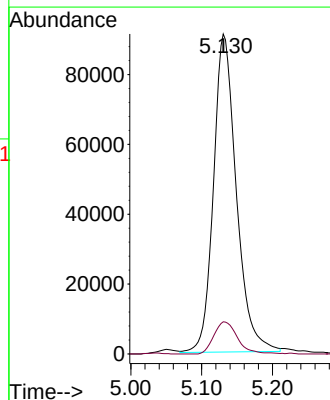
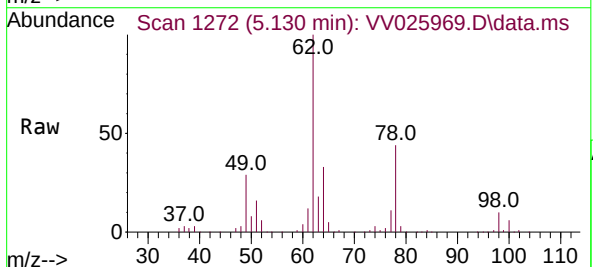
Acq: 26 May 2022 19:34

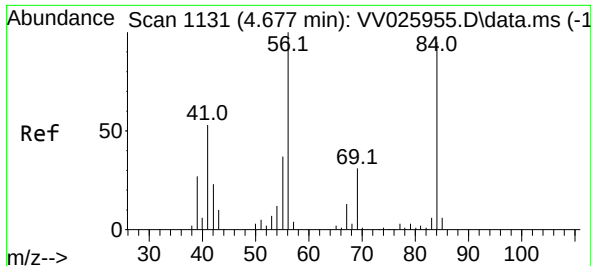
Tgt Ion: 62 Resp: 204112

Ion Ratio Lower Upper

62 100

98 10.0 7.7 11.5

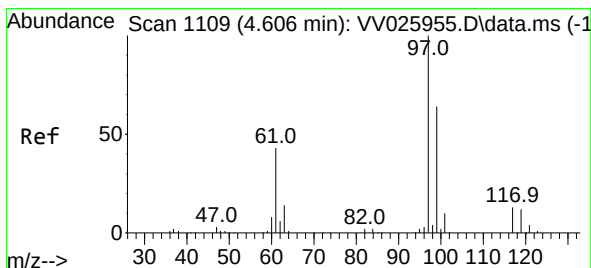
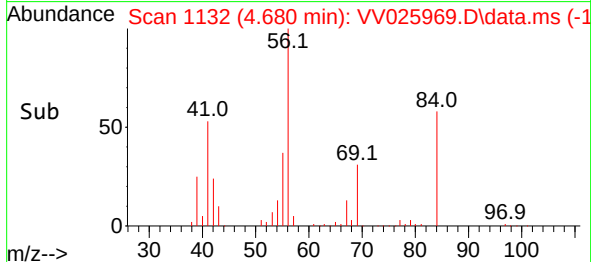
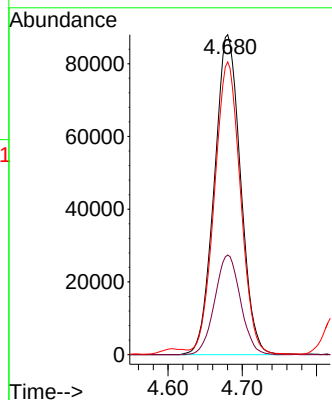
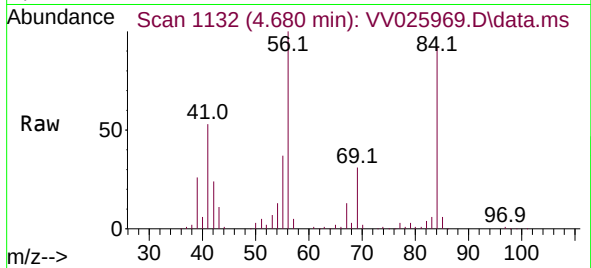




#29
Cyclohexane
Concen: 51.237 ug/L
RT: 4.680 min Scan# 1110
Delta R.T. 0.003 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

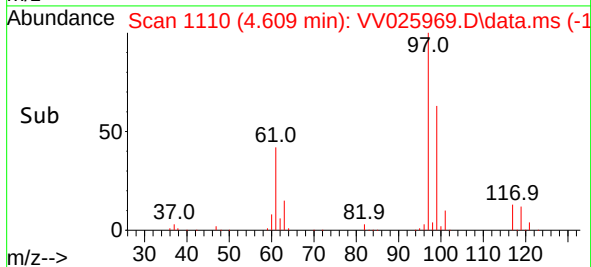
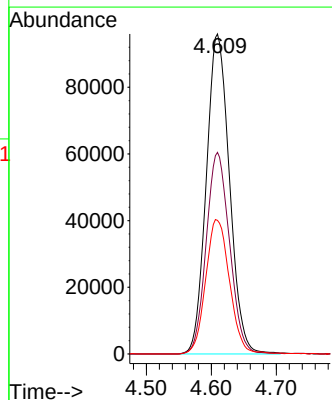
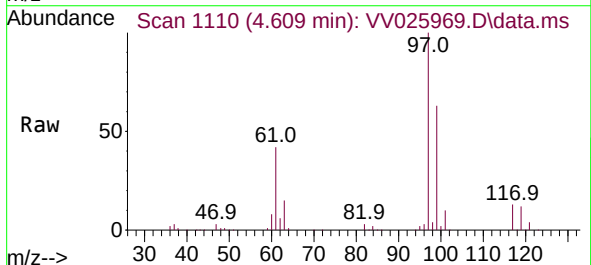
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

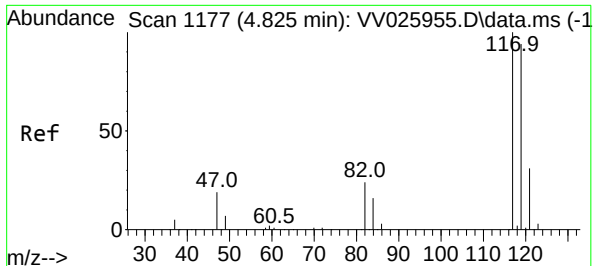
Tgt Ion: 56 Resp: 216086
Ion Ratio Lower Upper
56 100
69 30.5 24.8 37.2
84 90.9 73.8 110.8



#30
1,1,1-Trichloroethane
Concen: 50.377 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. 0.003 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Tgt Ion: 97 Resp: 238335
Ion Ratio Lower Upper
97 100
99 63.5 52.6 78.8
61 43.0 35.6 53.4

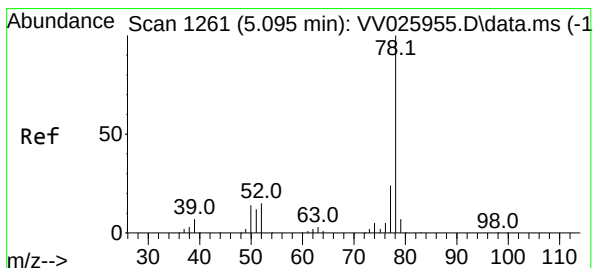
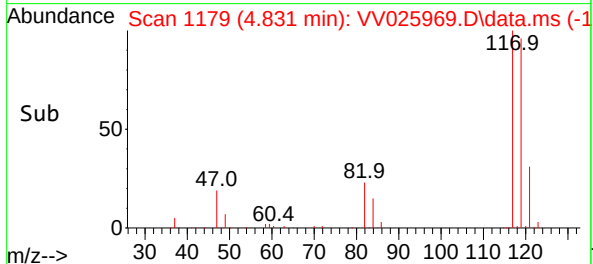
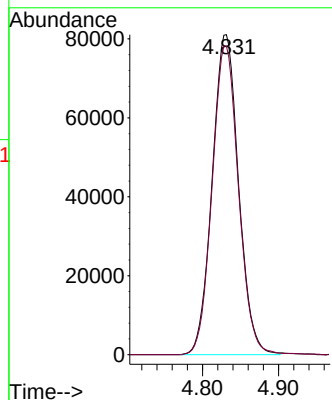
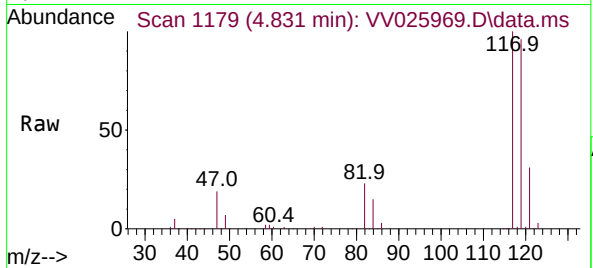




#31
Carbon tetrachloride
Concen: 49.175 ug/L
RT: 4.831 min Scan# 1177
Delta R.T. 0.007 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

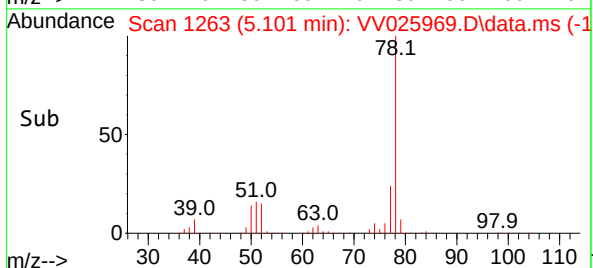
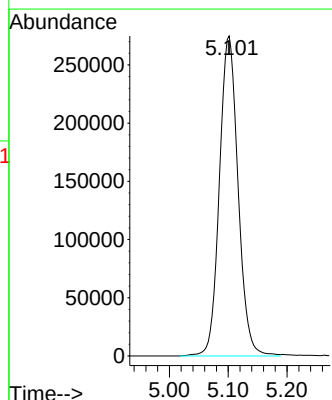
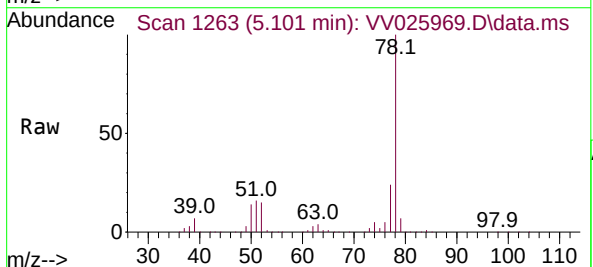
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

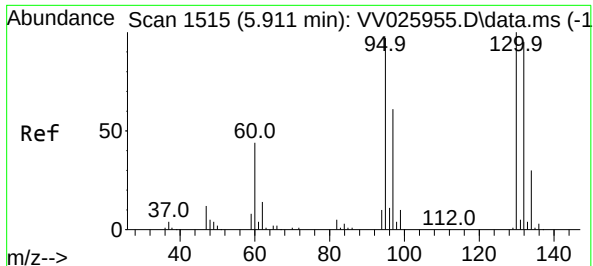
Tgt Ion:117 Resp: 195317
Ion Ratio Lower Upper
117 100
119 96.3 76.9 115.3



#33
Benzene
Concen: 51.669 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.007 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Tgt Ion: 78 Resp: 606053

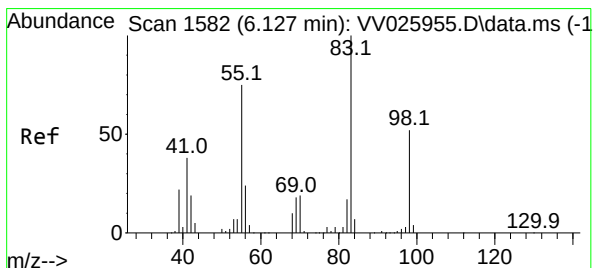
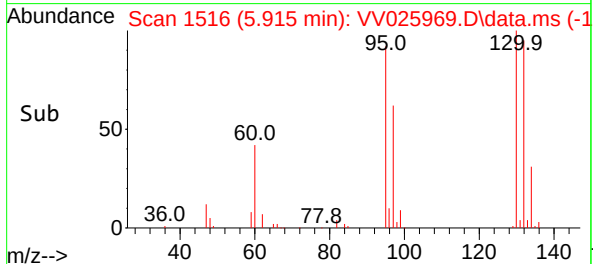
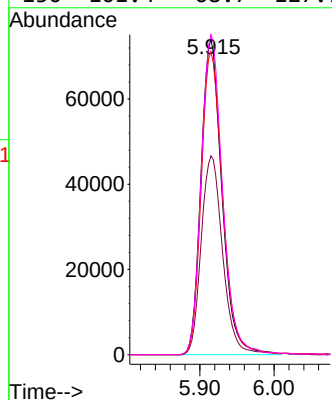
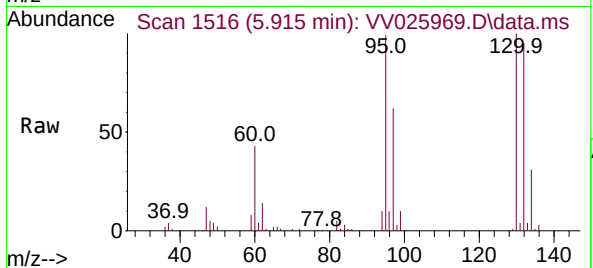




#34
Trichloroethene
Concen: 47.360 ug/L
RT: 5.915 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

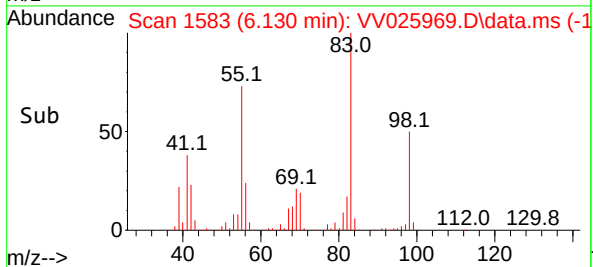
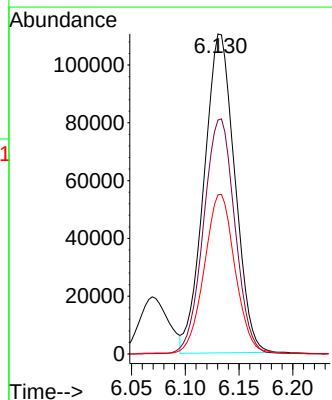
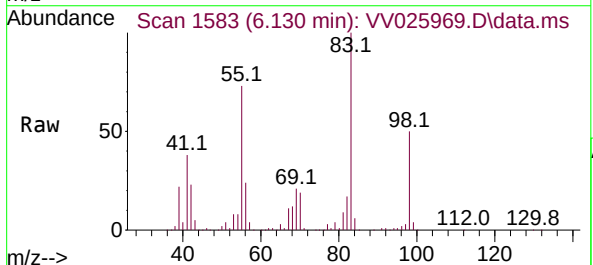
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

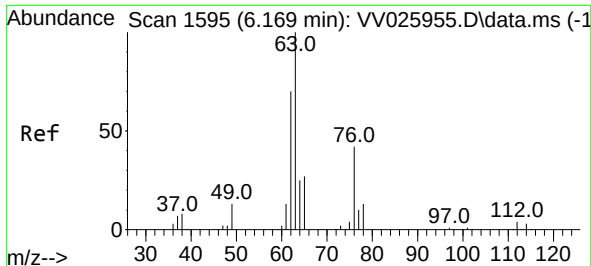
Tgt Ion: 95 Resp: 145296
Ion Ratio Lower Upper
95 100
97 63.0 44.2 82.0
132 96.0 67.7 125.7
130 101.4 68.7 127.7



#35
Methylcyclohexane
Concen: 47.812 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Tgt Ion: 83 Resp: 219686
Ion Ratio Lower Upper
83 100
55 75.0 58.6 87.8
98 50.0 39.1 58.7





#37

1,2-Dichloropropane

Concen: 53.800 ug/L

RT: 6.172 min Scan# 1596

Delta R.T. 0.003 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

Instrument :

MSVOA_V

ClientSampleId :

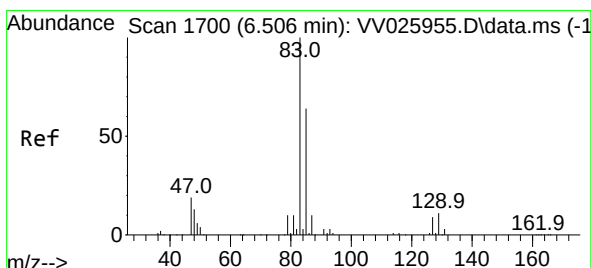
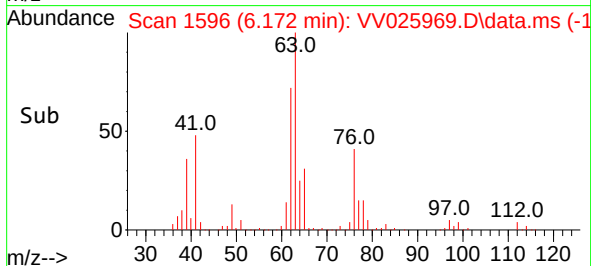
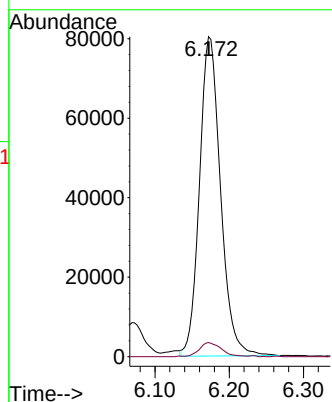
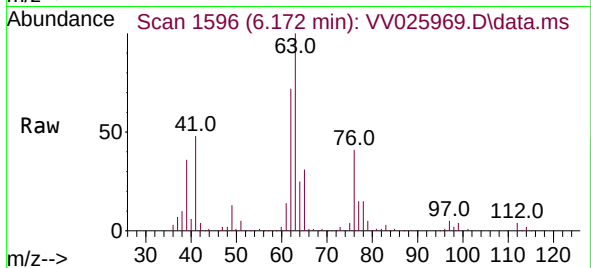
VSTD050296

Tgt Ion: 63 Resp: 158522

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 49.315 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

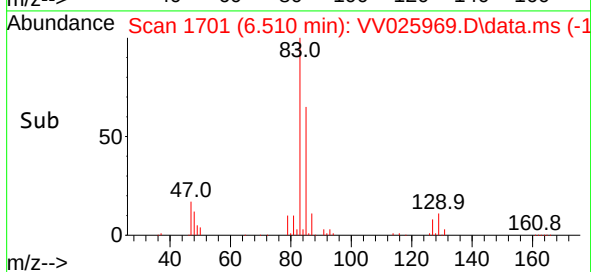
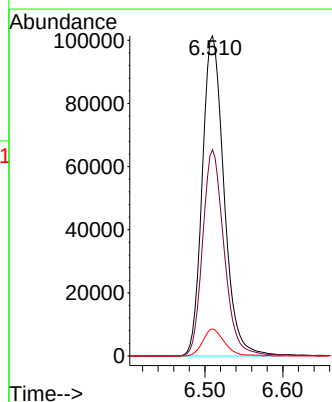
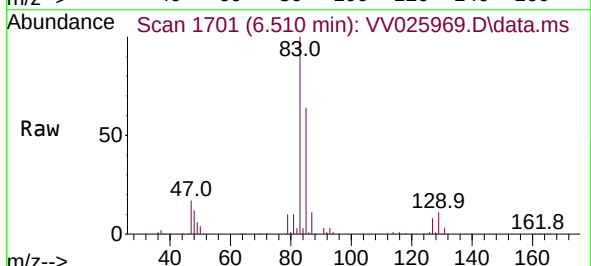
Tgt Ion: 83 Resp: 196496

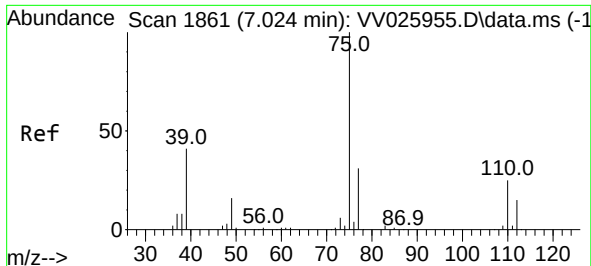
Ion Ratio Lower Upper

83 100

85 64.4 46.0 85.4

127 8.4 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 49.814 ug/L

RT: 7.027 min Scan# 1861

Delta R.T. 0.003 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

Instrument :

MSVOA_V

ClientSampleId :

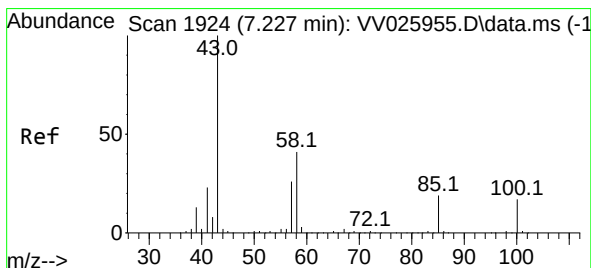
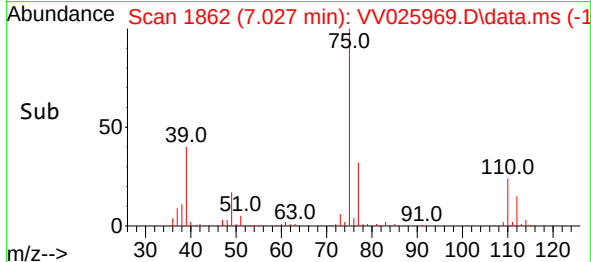
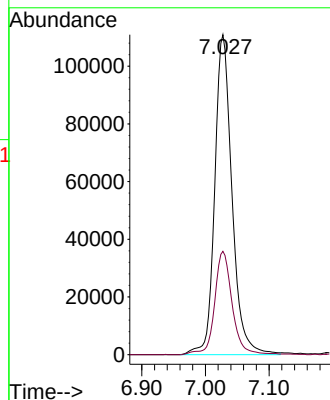
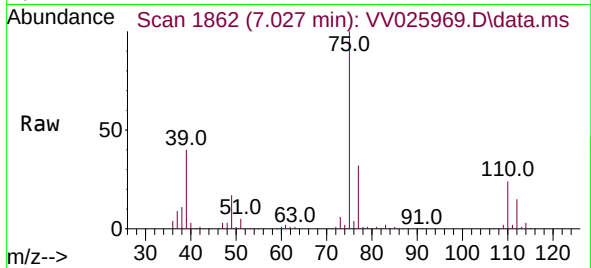
VSTD050296

Tgt Ion: 75 Resp: 209311

Ion Ratio Lower Upper

75 100

77 32.3 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 111.985 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

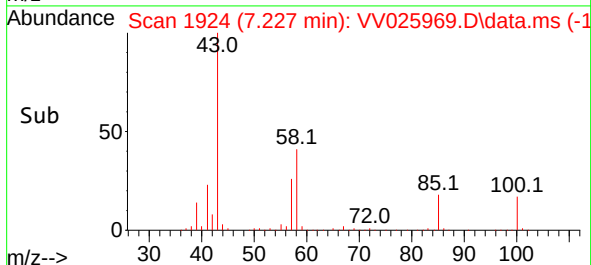
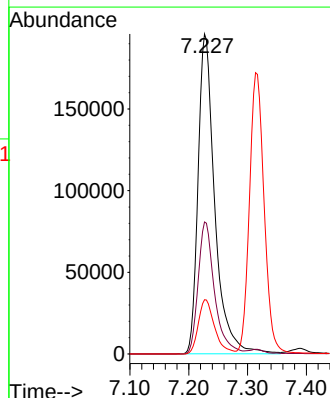
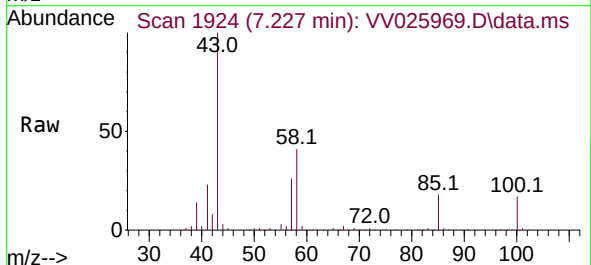
Tgt Ion: 43 Resp: 385700

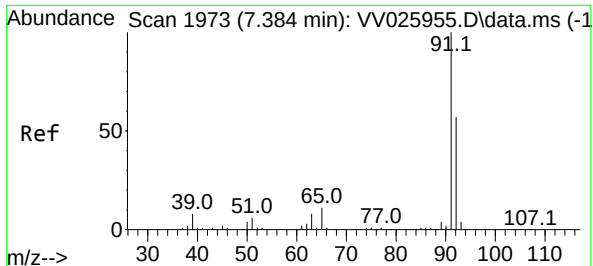
Ion Ratio Lower Upper

43 100

58 40.6 32.9 49.3

100 16.6 13.7 20.5





#42

Toluene

Concen: 51.273 ug/L

RT: 7.388 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

Instrument :

MSVOA_V

ClientSampleId :

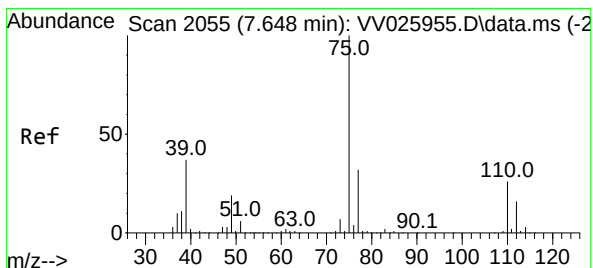
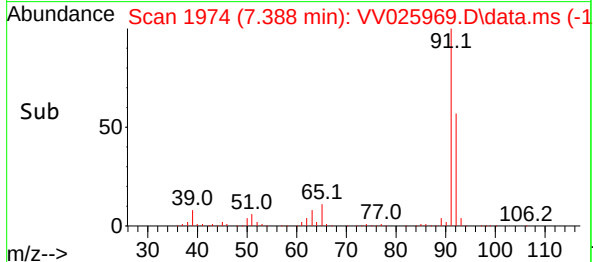
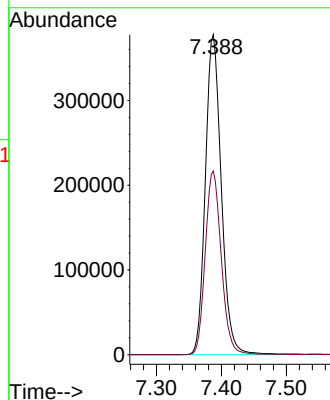
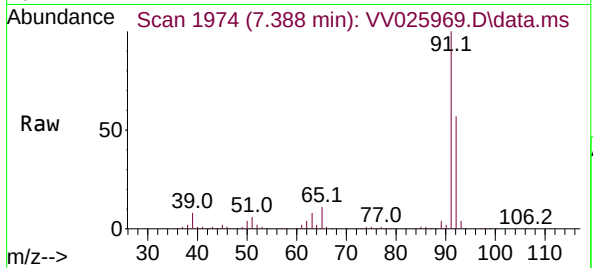
VSTD050296

Tgt Ion: 91 Resp: 645170

Ion Ratio Lower Upper

91 100

92 57.4 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 50.379 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VV025969.D

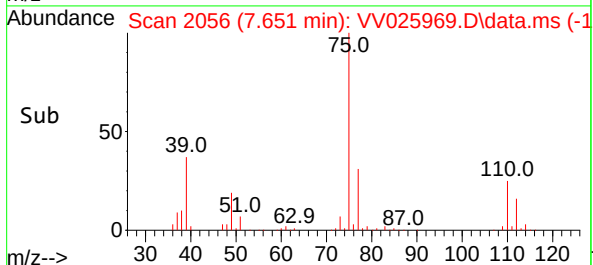
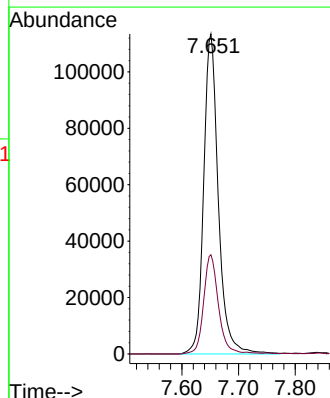
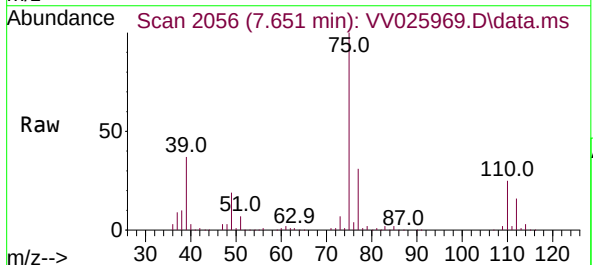
Acq: 26 May 2022 19:34

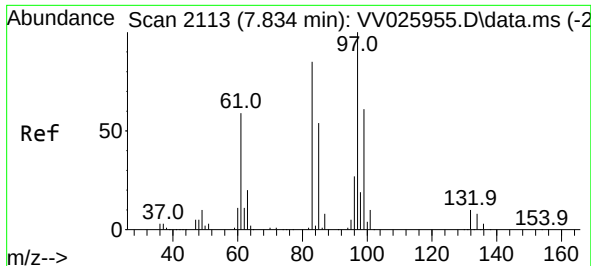
Tgt Ion: 75 Resp: 203654

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 51.987 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050296

Tgt Ion: 97 Resp: 155644

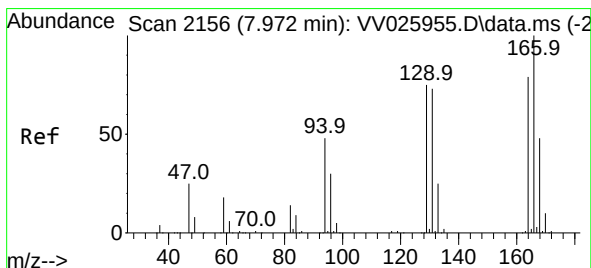
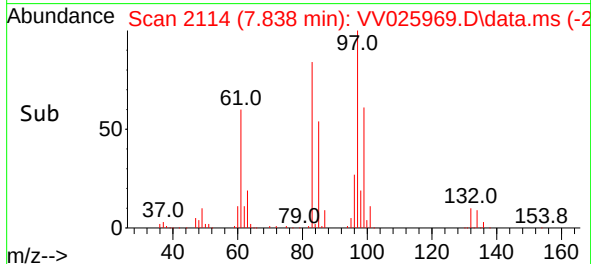
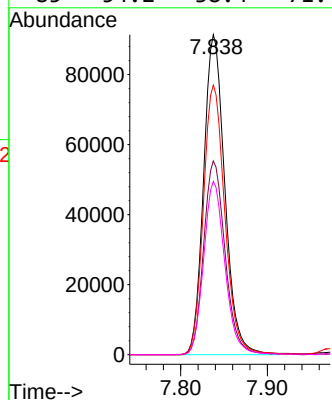
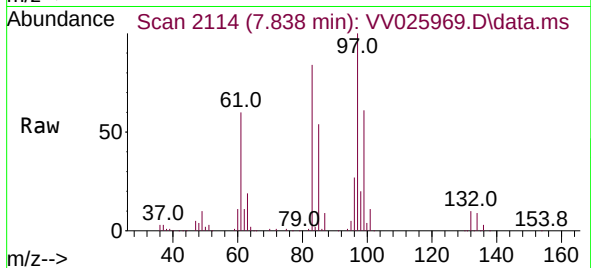
Ion Ratio Lower Upper

97 100

99 60.6 42.6 79.0

83 84.2 59.7 110.9

85 54.2 38.4 71.4



#46

Tetrachloroethene

Concen: 47.850 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

Tgt Ion:164 Resp: 108287

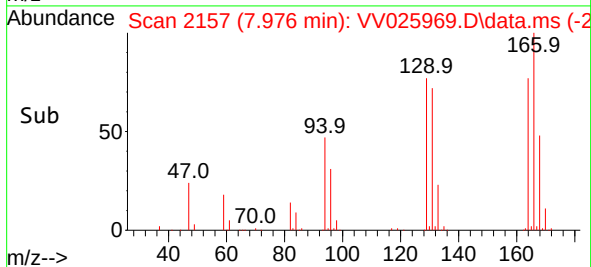
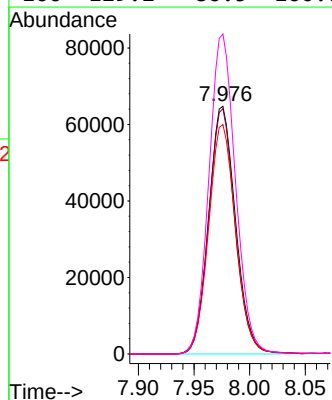
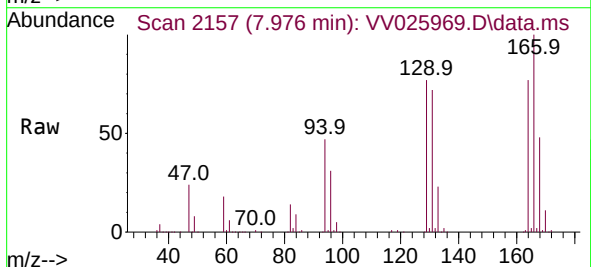
Ion Ratio Lower Upper

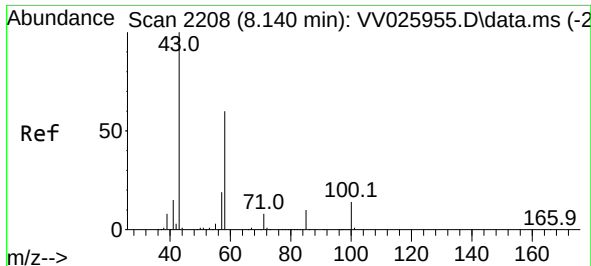
164 100

129 99.0 66.8 124.2

131 92.6 66.7 123.9

166 129.2 86.5 160.7



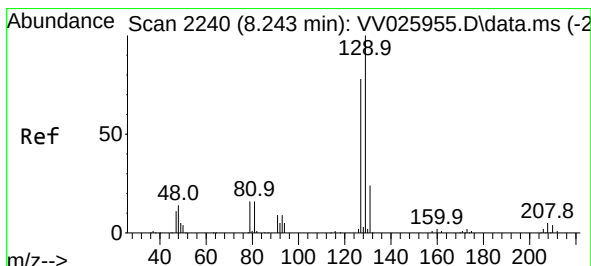
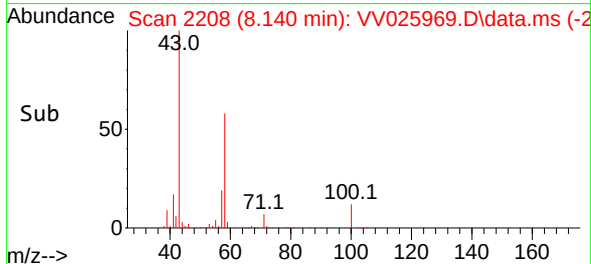
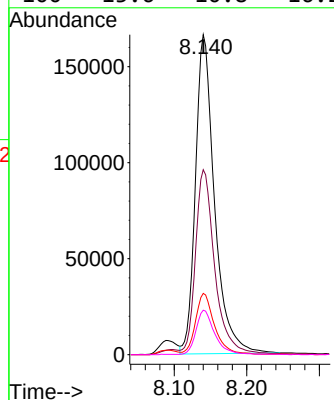
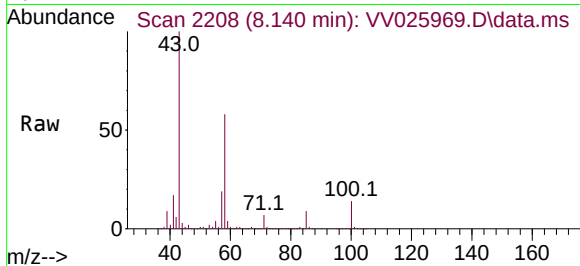


#48
2-Hexanone
Concen: 113.219 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

Tgt Ion: 43 Resp: 303408

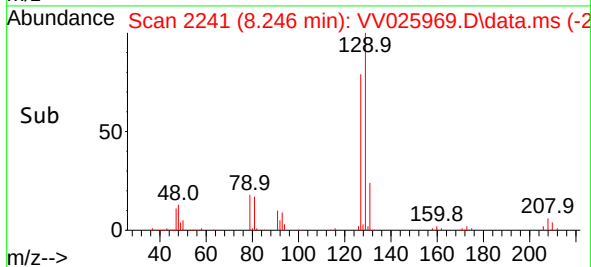
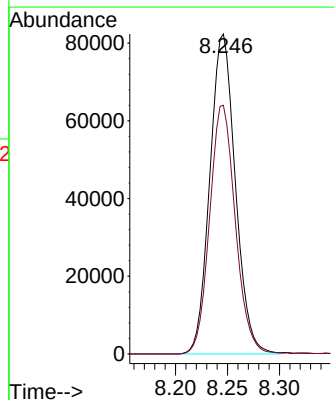
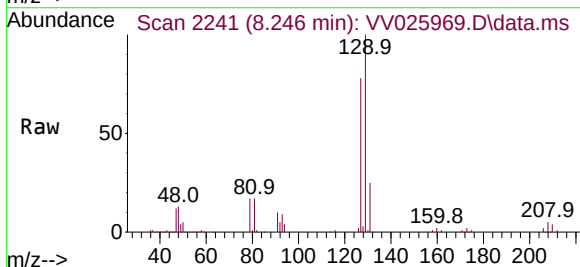
Ion	Ratio	Lower	Upper
43	100		
58	57.8	45.9	68.9
57	19.0	15.4	23.2
100	13.6	10.8	16.2

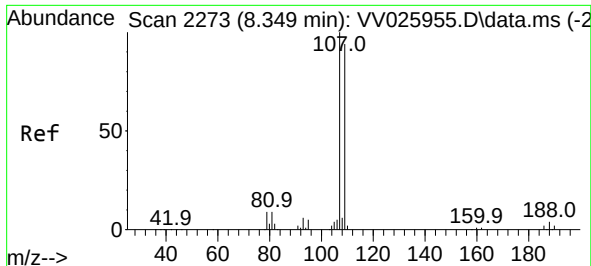


#49
Dibromochloromethane
Concen: 47.722 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Tgt Ion: 129 Resp: 140927

Ion	Ratio	Lower	Upper
129	100		
127	77.7	53.5	99.5





#50

1,2-Dibromoethane

Concen: 51.374 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050296

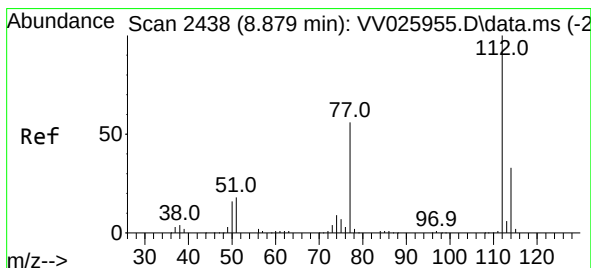
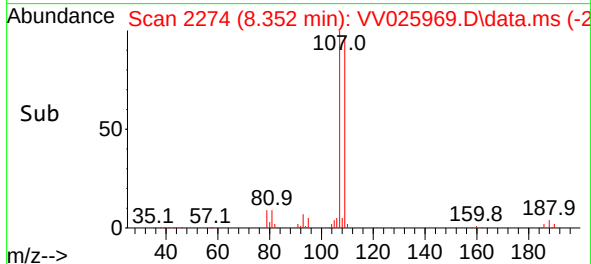
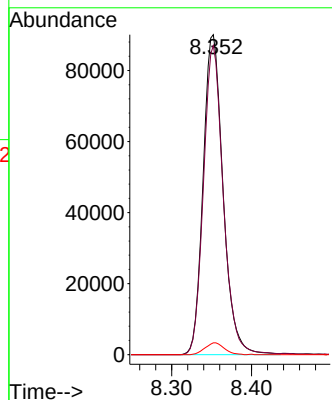
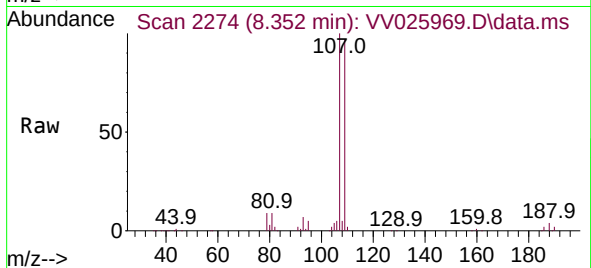
Tgt Ion:107 Resp: 156409

Ion Ratio Lower Upper

107 100

109 96.6 64.1 119.1

188 3.7 2.6 3.8



#51

Chlorobenzene

Concen: 50.197 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

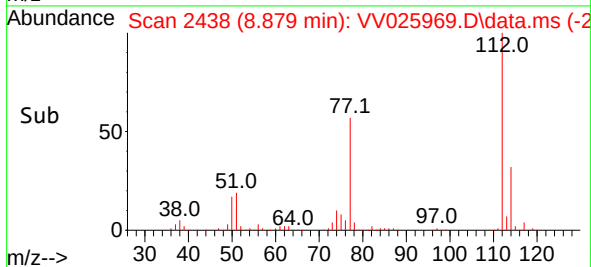
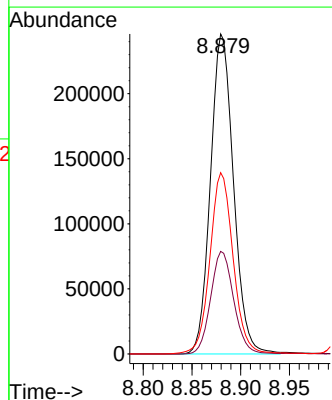
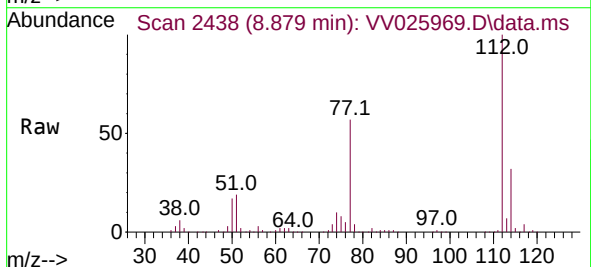
Tgt Ion:112 Resp: 404459

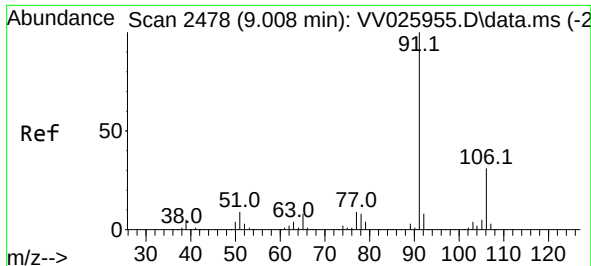
Ion Ratio Lower Upper

112 100

114 32.0 22.0 40.8

77 56.6 45.3 67.9

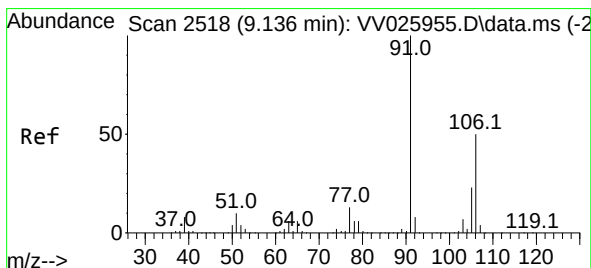
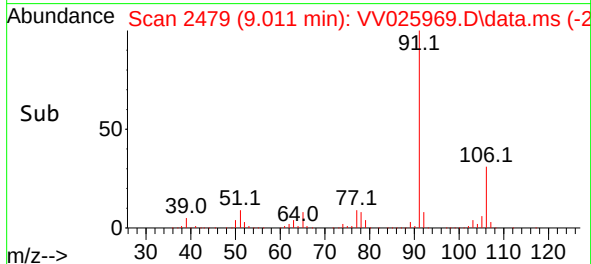
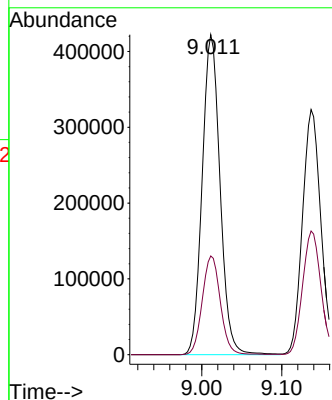
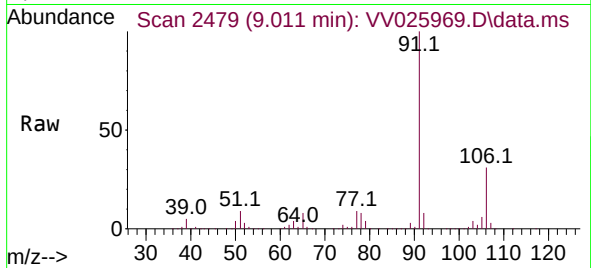




#52
Ethylbenzene
Concen: 50.601 ug/L
RT: 9.011 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

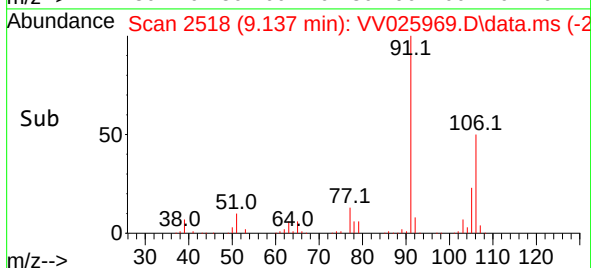
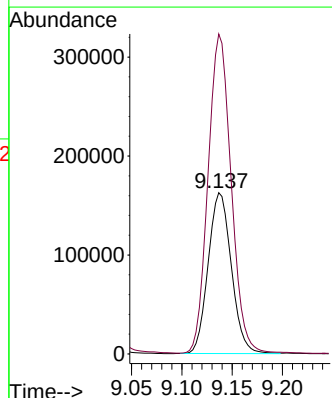
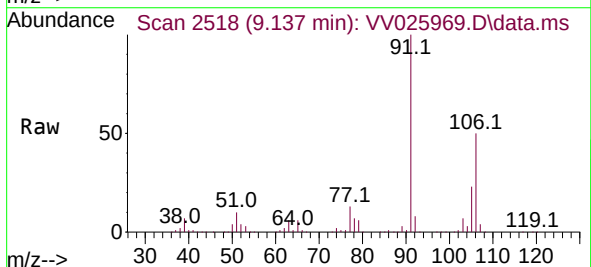
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

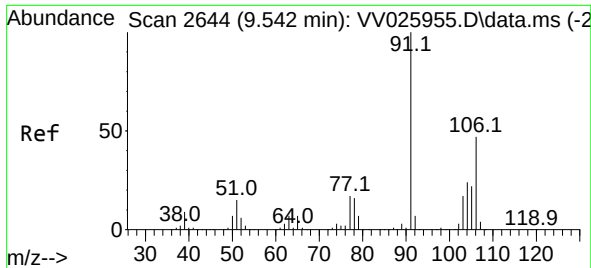
Tgt Ion: 91 Resp: 656895
Ion Ratio Lower Upper
91 100
106 30.8 21.8 40.6



#53
m,p-Xylene
Concen: 51.767 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Tgt Ion: 106 Resp: 260662
Ion Ratio Lower Upper
106 100
91 198.3 142.0 263.6

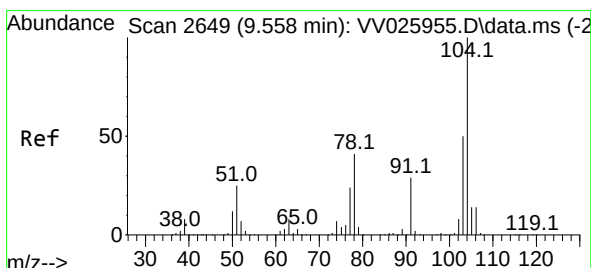
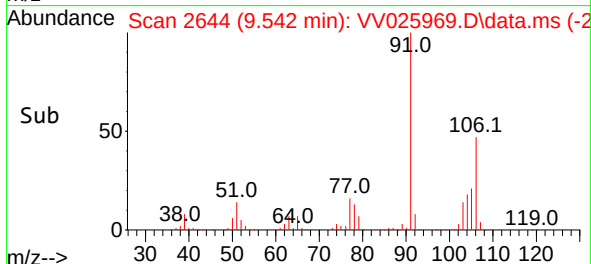
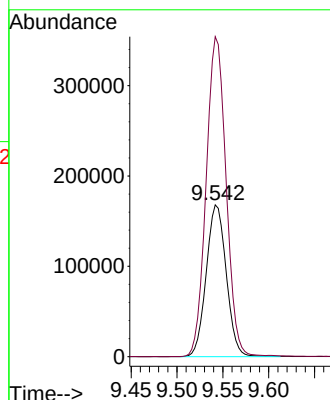
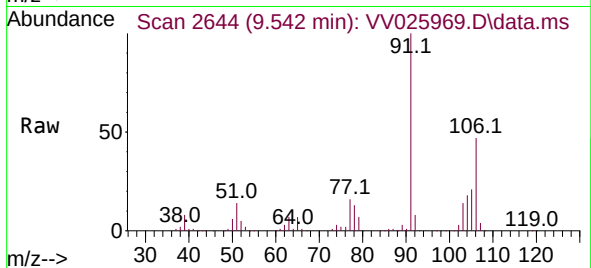




#54
o-Xylene
Concen: 51.606 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

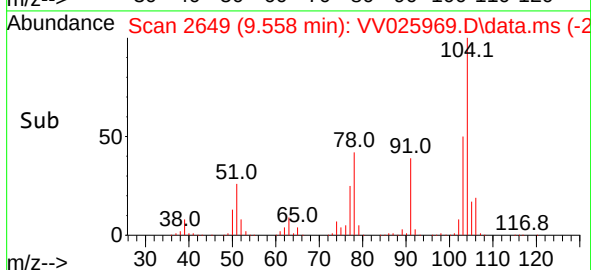
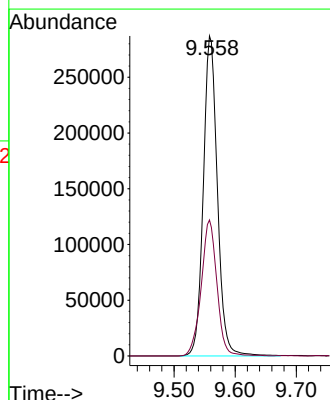
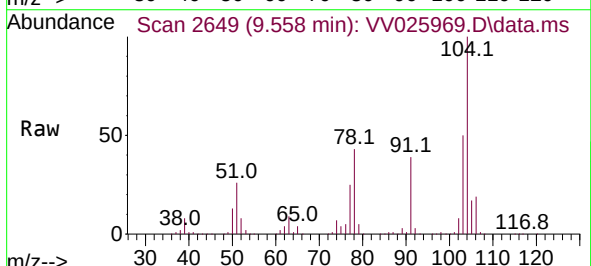
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

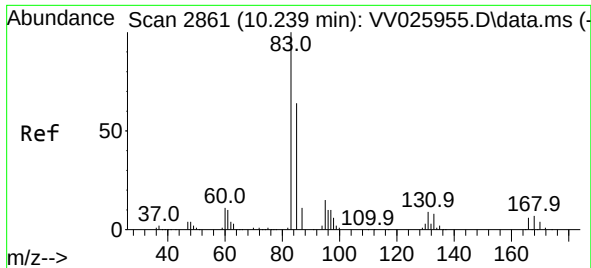
Tgt Ion:106 Resp: 255258
Ion Ratio Lower Upper
106 100
91 210.8 147.4 273.8



#55
Styrene
Concen: 53.324 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Tgt Ion:104 Resp: 459577
Ion Ratio Lower Upper
104 100
78 42.5 29.8 55.3

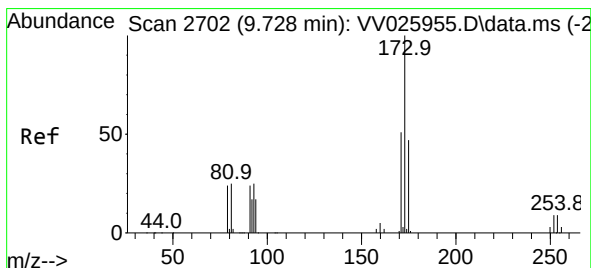
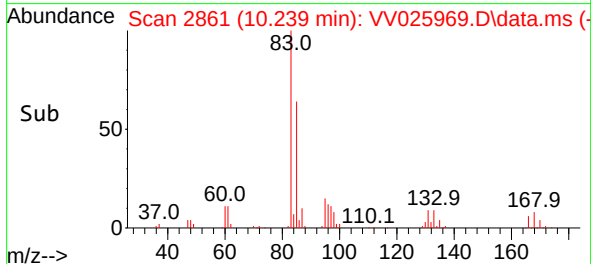
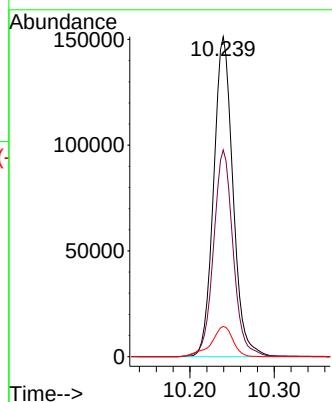
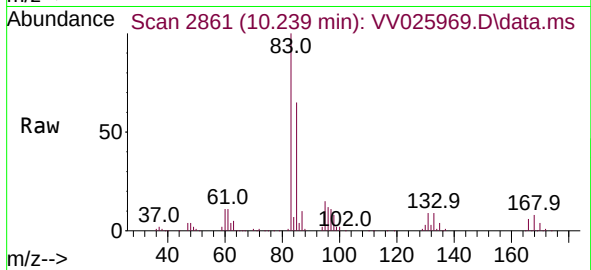




#57
 1,1,2,2-Tetrachloroethane
 Concen: 53.948 ug/L
 RT: 10.239 min Scan# 2861
 Delta R.T. 0.000 min
 Lab File: VV025969.D
 Acq: 26 May 2022 19:34

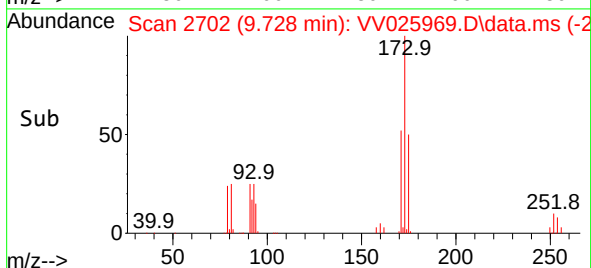
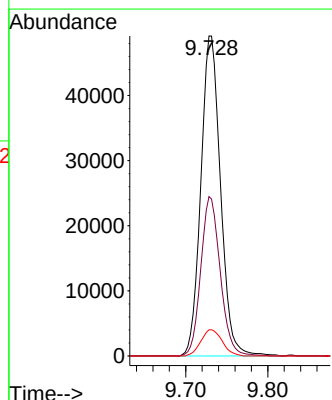
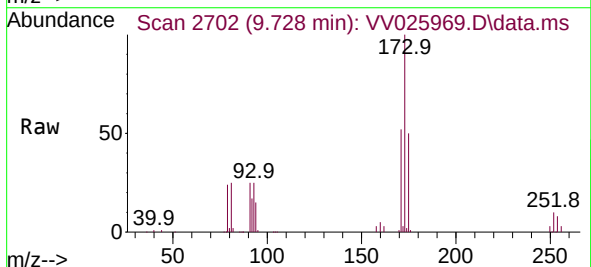
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050296

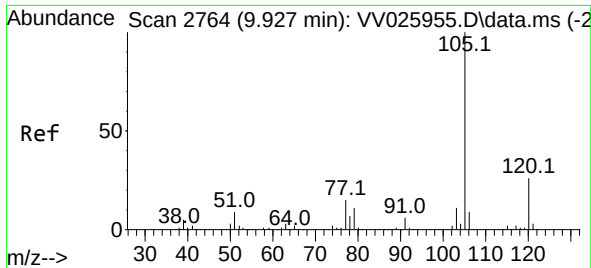
Tgt Ion: 83 Resp: 240983
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.7 82.9
 131 9.5 7.5 11.3



#59
 Bromoform
 Concen: 43.592 ug/L
 RT: 9.728 min Scan# 2702
 Delta R.T. 0.000 min
 Lab File: VV025969.D
 Acq: 26 May 2022 19:34

Tgt Ion: 173 Resp: 81902
 Ion Ratio Lower Upper
 173 100
 175 49.1 38.1 57.1
 254 8.9 7.0 10.6

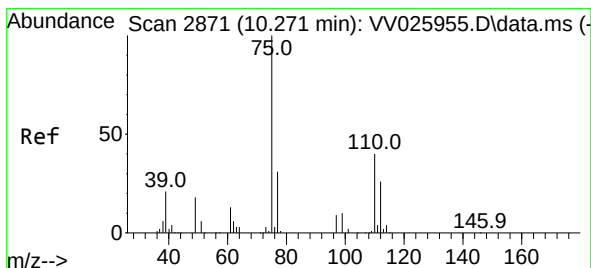
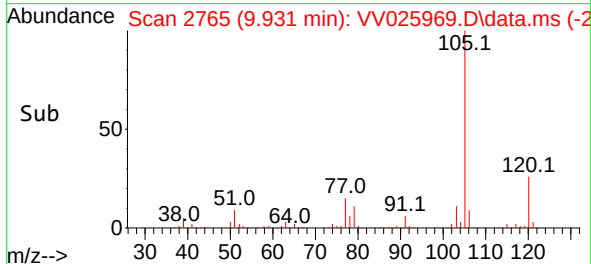
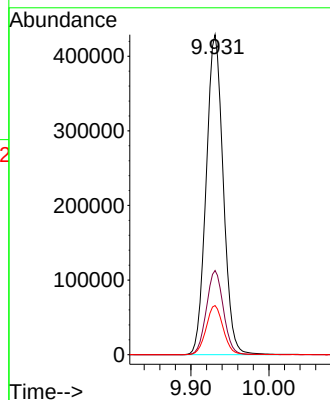
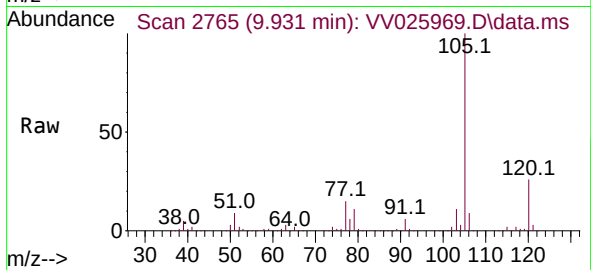




#60
Isopropylbenzene
Concen: 49.956 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.003 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

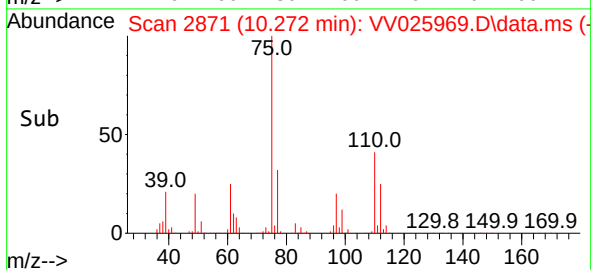
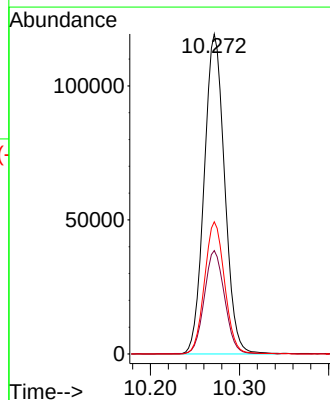
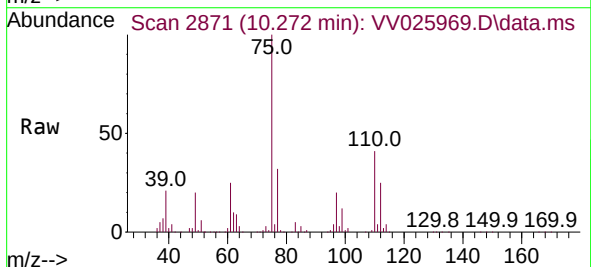
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

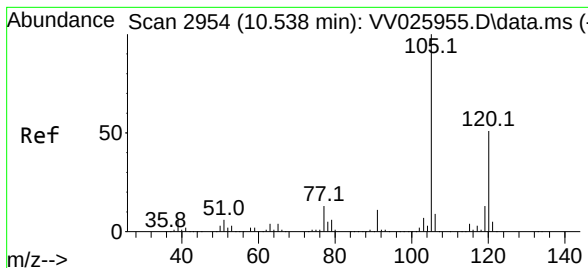
Tgt Ion:105 Resp: 651737
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.6
77 15.4 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 49.377 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Tgt Ion: 75 Resp: 190355
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
110 40.5 32.3 48.5





#62

1,3,5-Trimethylbenzene

Concen: 62.380 ug/L

RT: 10.539 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

Instrument :

MSVOA_V

ClientSampleId :

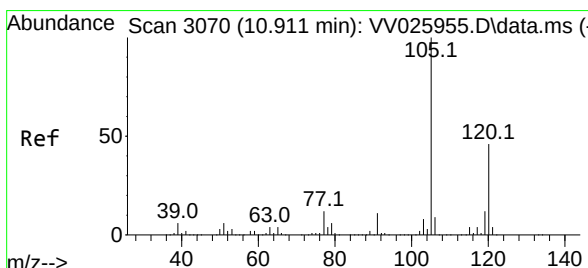
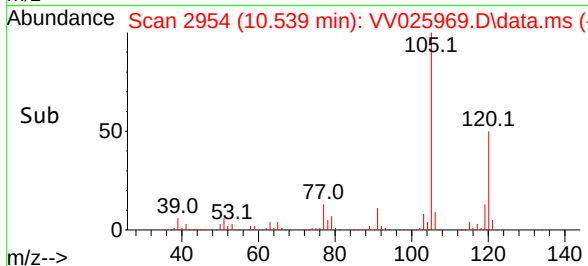
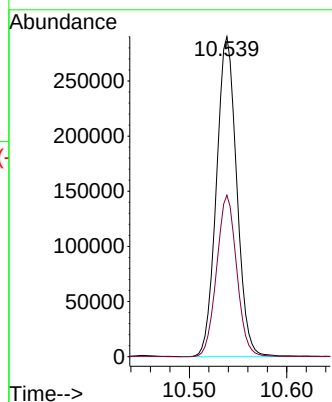
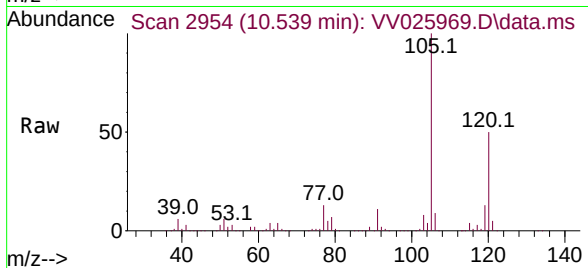
VSTD050296

Tgt Ion:105 Resp: 419490

Ion Ratio Lower Upper

105 100

120 50.1 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 51.113 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV025969.D

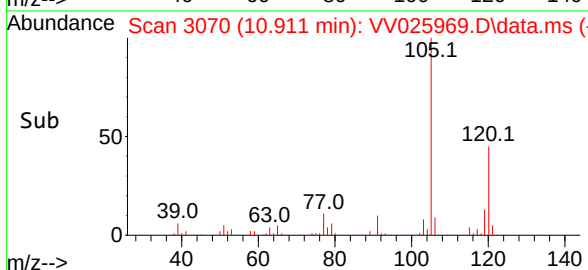
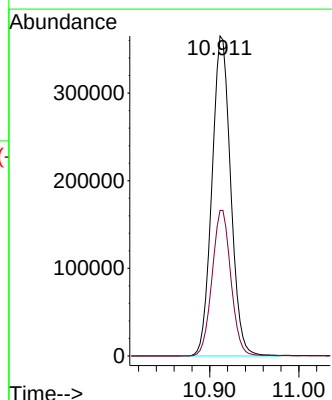
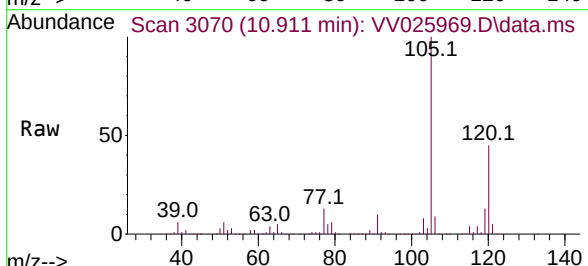
Acq: 26 May 2022 19:34

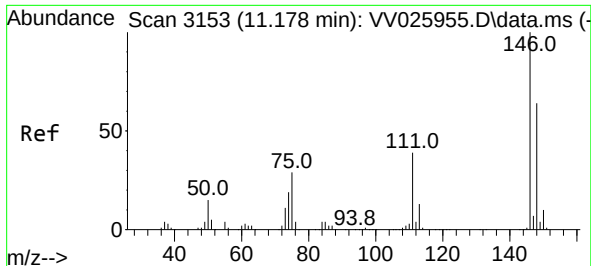
Tgt Ion:105 Resp: 533294

Ion Ratio Lower Upper

105 100

120 45.7 36.6 55.0

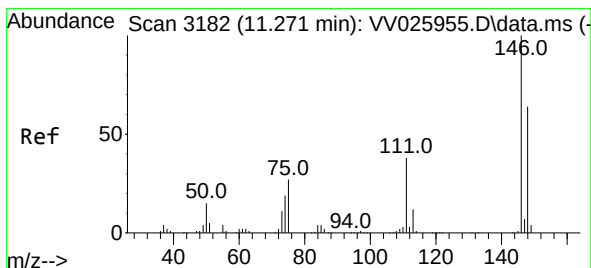
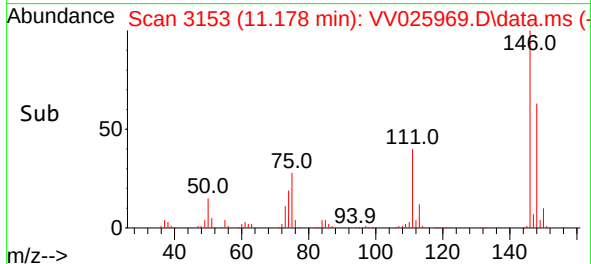
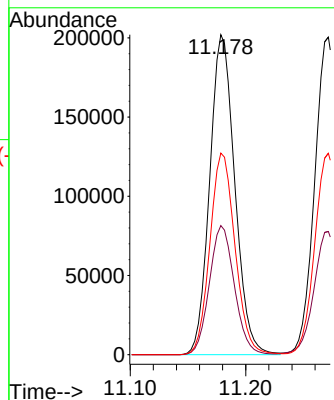
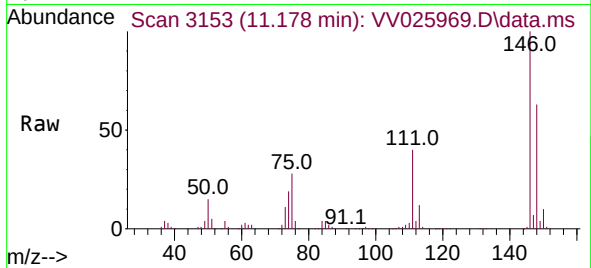




#64
1,3-Dichlorobenzene
Concen: 49.334 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

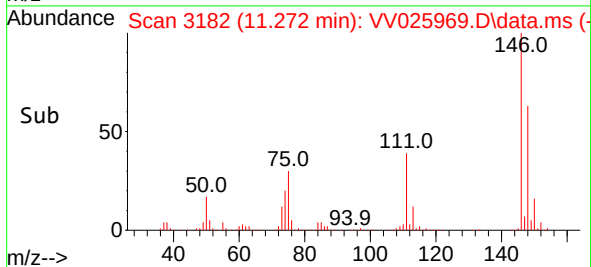
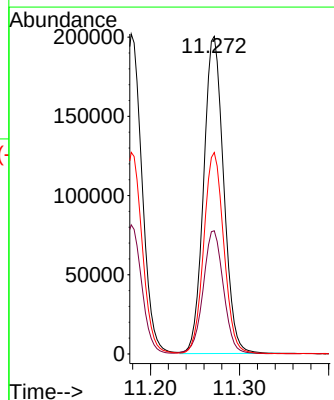
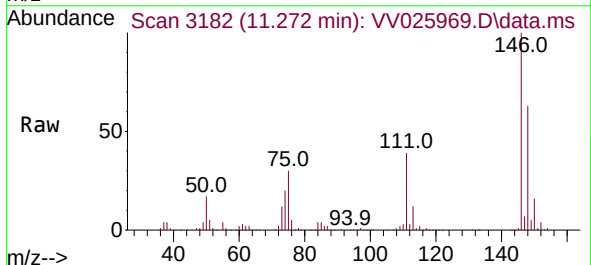
Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

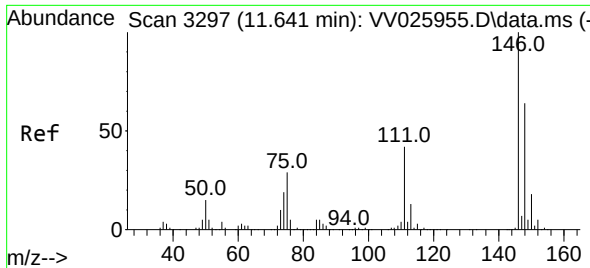
Tgt Ion:146 Resp: 304661
Ion Ratio Lower Upper
146 100
111 40.4 28.1 52.1
148 63.0 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 48.281 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Tgt Ion:146 Resp: 312462
Ion Ratio Lower Upper
146 100
111 38.8 26.7 49.7
148 63.4 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 48.595 ug/L

RT: 11.641 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050296

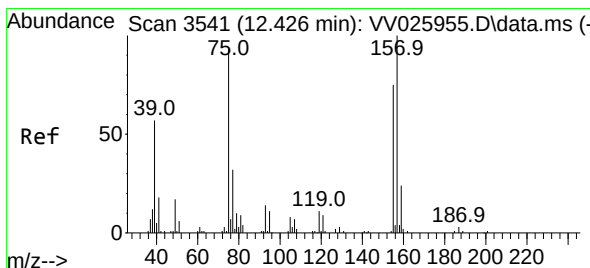
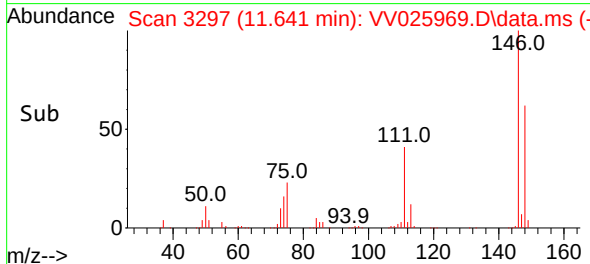
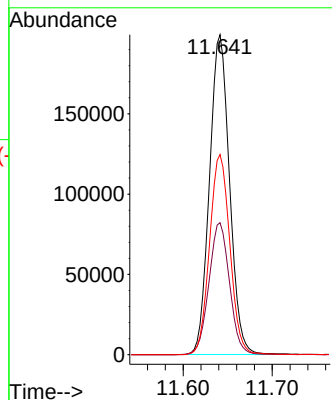
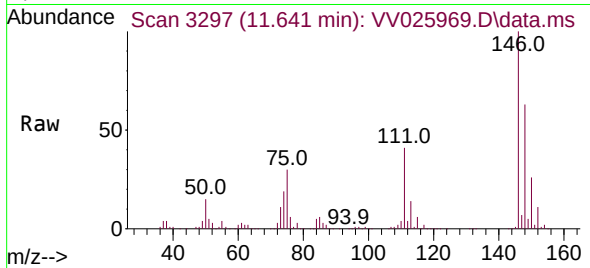
Tgt Ion:146 Resp: 310406

Ion Ratio Lower Upper

146 100

111 41.2 33.7 50.5

148 62.5 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 47.755 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

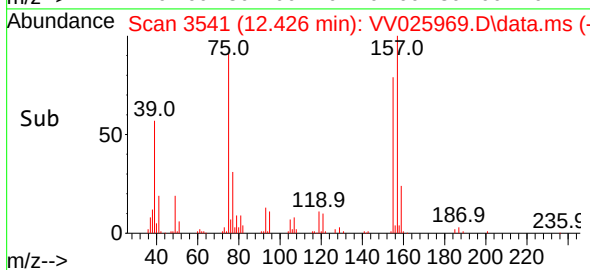
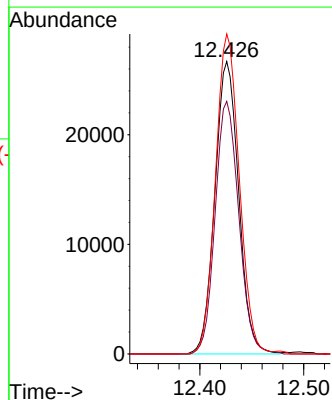
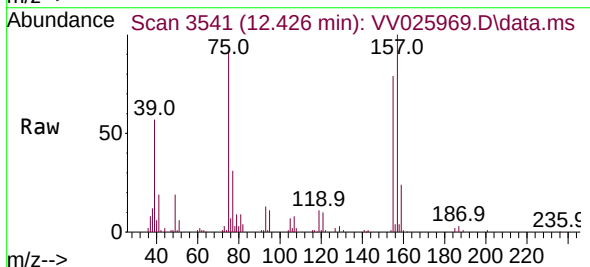
Tgt Ion: 75 Resp: 42504

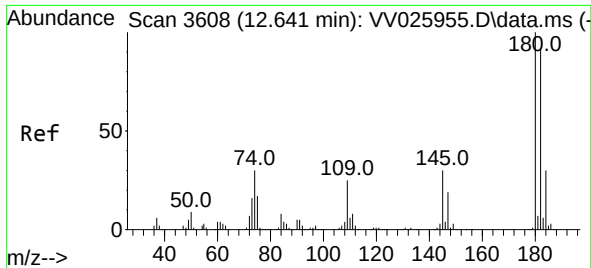
Ion Ratio Lower Upper

75 100

155 86.4 66.8 100.2

157 109.4 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 46.251 ug/L

RT: 12.645 min Scan# 3609

Delta R.T. 0.003 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD050296

Tgt Ion:180 Resp: 197214

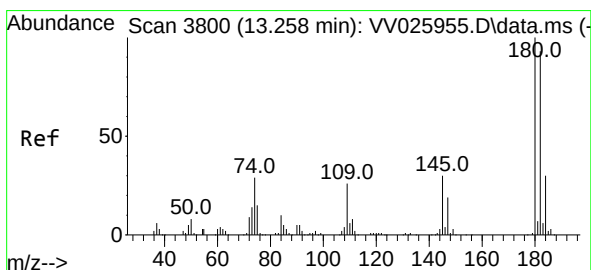
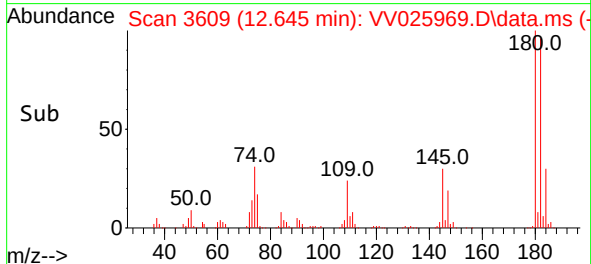
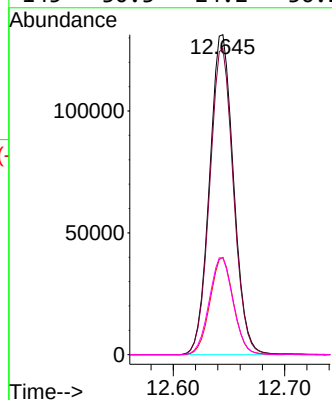
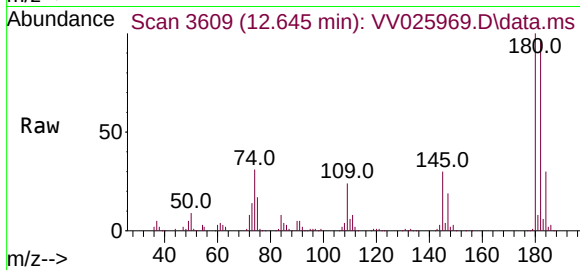
Ion Ratio Lower Upper

180 100

182 94.8 75.1 112.7

184 29.5 23.6 35.4

145 30.3 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 46.210 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV025969.D

Acq: 26 May 2022 19:34

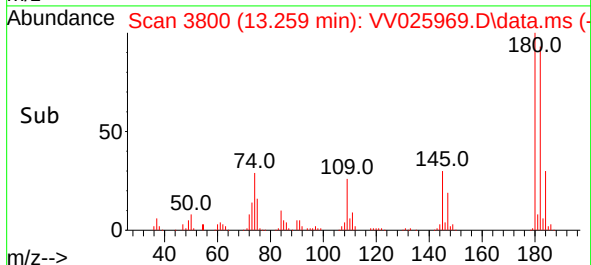
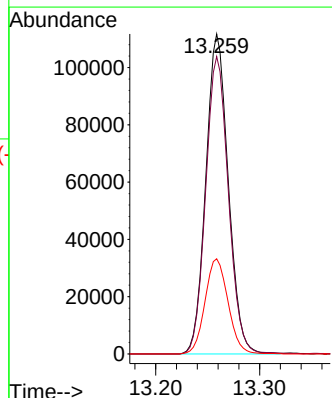
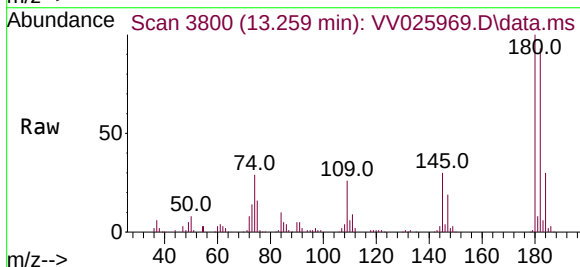
Tgt Ion:180 Resp: 167786

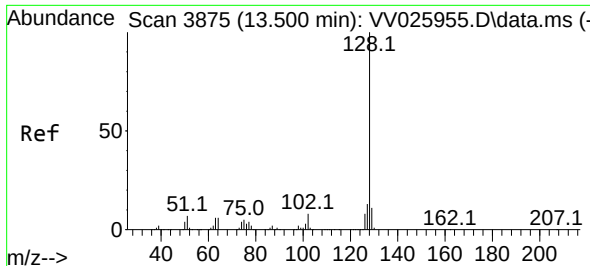
Ion Ratio Lower Upper

180 100

182 94.1 74.8 112.2

145 30.4 24.8 37.2

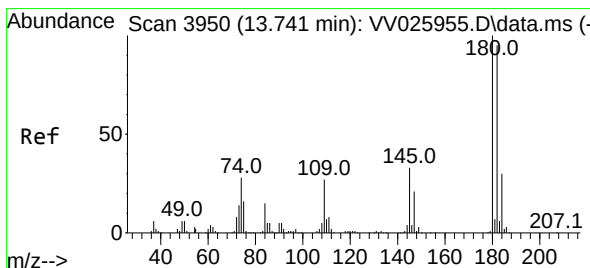
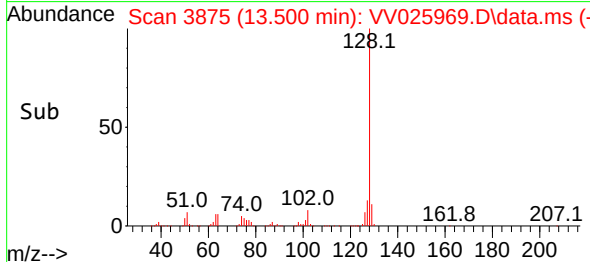
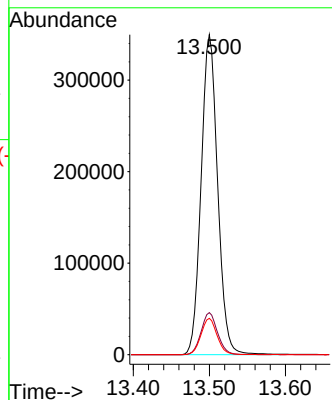
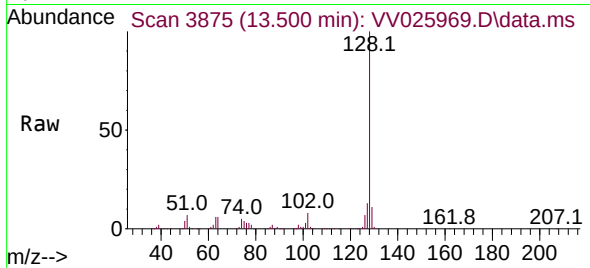




#71
Naphthalene
Concen: 49.033 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.000 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD050296

Tgt Ion:128 Resp: 527256
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 49.334 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. 0.000 min
Lab File: VV025969.D
Acq: 26 May 2022 19:34

Tgt Ion:180 Resp: 182539
Ion Ratio Lower Upper
180 100
182 94.8 75.8 113.8
145 33.5 26.3 39.5

