

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW080122\
 Data File : VW027185.D
 Acq On : 02 Aug 2022 21:03
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050325

Quant Time: Aug 03 02:04:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 03 02:00:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	613554	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	587048	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	301101	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	155802	39.182	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.360%
7) Chloroethane-d5	1.558	69	132174	44.420	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.840%
11) 1,1-Dichloroethene-d2	2.105	63	299621	39.570	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.140%
21) 2-Butanone-d5	3.876	46	258507	98.744	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.740%
24) Chloroform-d	4.346	84	346179	43.070	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.140%
26) 1,2-Dichloroethane-d4	5.027	65	198884	43.612	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.220%
32) Benzene-d6	5.047	84	686406	44.187	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.380%
36) 1,2-Dichloropropane-d6	6.066	67	214052	44.544	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.080%
41) Toluene-d8	7.313	98	619066	44.205	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.420%
43) trans-1,3-Dichloroprop...	7.619	79	92764	43.984	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.960%
47) 2-Hexanone-d5	8.088	63	193939	104.538	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.540%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	344775	47.997	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	233490	44.124	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	249542	42.505	ug/L	100
3) Chloromethane	1.236	50	246627	44.301	ug/L	98
5) Vinyl chloride	1.307	62	261428	45.114	ug/L	99
6) Bromomethane	1.513	94	126350	42.045	ug/L	99
8) Chloroethane	1.577	64	155902	50.213	ug/L	98
9) Trichlorofluoromethane	1.748	101	323673	42.394	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	181987	41.562	ug/L	99
12) 1,1-Dichloroethene	2.114	96	184490	43.363	ug/L	94
13) Acetone	2.162	43	202541	91.621	ug/L	99
14) Carbon disulfide	2.288	76	531325	41.933	ug/L	100
15) Methyl Acetate	2.426	43	232573	48.358	ug/L	99
16) Methylene chloride	2.500	84	244450	45.328	ug/L	98
17) trans-1,2-Dichloroethene	2.754	96	204650	45.190	ug/L	99
18) Methyl tert-butyl Ether	2.767	73	628988	48.349	ug/L	99
19) 1,1-Dichloroethane	3.185	63	377620	45.537	ug/L	100
20) cis-1,2-Dichloroethene	3.905	96	224974	46.800	ug/L	99
22) 2-Butanone	3.957	43	309101	101.469	ug/L	99
23) Bromochloromethane	4.243	128	126240	46.221	ug/L	98
25) Chloroform	4.368	83	402091	46.052	ug/L	100

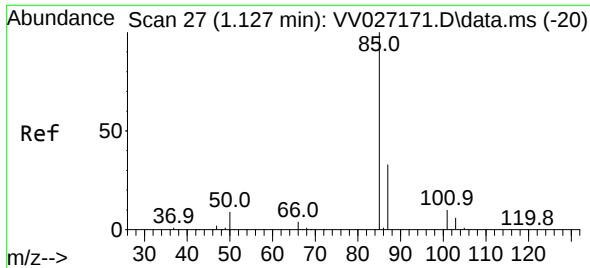
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 Data File : VV027185.D
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 Quant Title : VOC Analysis
 QLast Update : Wed Aug 03 02:00:39 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	287806	47.609	ug/L	98
29) Cyclohexane	4.674	56	250244	42.104	ug/L	96
30) 1,1,1-Trichloroethane	4.603	97	335361	45.557	ug/L	99
31) Carbon tetrachloride	4.822	117	281246	44.431	ug/L	99
33) Benzene	5.095	78	870280	48.335	ug/L	100
34) Trichloroethene	5.912	95	211043	45.578	ug/L	98
35) Methylcyclohexane	6.127	83	296138	43.093	ug/L	98
37) 1,2-Dichloropropane	6.169	63	233251	49.347	ug/L	99
38) Bromodichloromethane	6.506	83	302346	48.290	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	311525	46.980	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	611467	109.455	ug/L	99
42) Toluene	7.384	91	918808	49.466	ug/L	98
44) trans-1,3-Dichloropropene	7.648	75	306041	48.036	ug/L	99
45) 1,1,2-Trichloroethane	7.837	97	243876	49.081	ug/L	99
46) Tetrachloroethene	7.973	164	156376	44.235	ug/L	95
48) 2-Hexanone	8.136	43	487514	112.241	ug/L	99
49) Dibromochloromethane	8.243	129	251759	48.809	ug/L	100
50) 1,2-Dibromoethane	8.349	107	252810	49.145	ug/L	98
51) Chlorobenzene	8.879	112	596362	46.395	ug/L	99
52) Ethylbenzene	9.011	91	899082	47.231	ug/L	100
53) m,p-Xylene	9.136	106	360459	48.272	ug/L	99
54) o-Xylene	9.542	106	354124	48.446	ug/L	98
55) Styrene	9.558	104	653414	51.433	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	396385	49.197	ug/L	99
59) Bromoform	9.728	173	171411	49.310	ug/L	100
60) Isopropylbenzene	9.931	105	881175	47.695	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	310566	49.680	ug/L	100
62) 1,3,5-Trimethylbenzene	10.538	105	370984	46.359	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	300393	46.460	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	434275	47.694	ug/L	100
65) 1,4-Dichlorobenzene	11.271	146	445062	46.334	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	463544	48.479	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	85153	50.914	ug/L	99
69) 1,3,5-Trichlorobenzene	12.644	180	295719	45.777	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	253626	46.759	ug/L	99
71) Naphthalene	13.500	128	921943	51.743	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	294472	49.645	ug/L	100

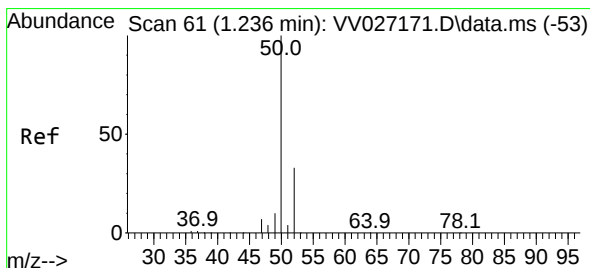
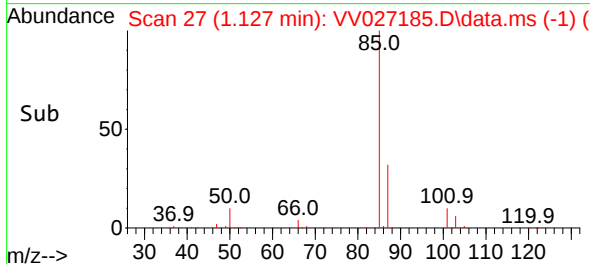
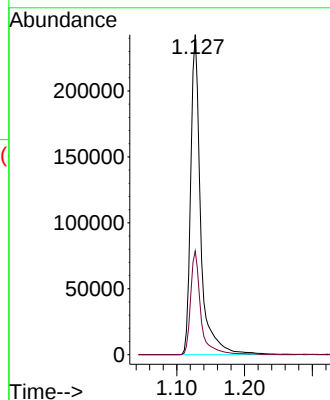
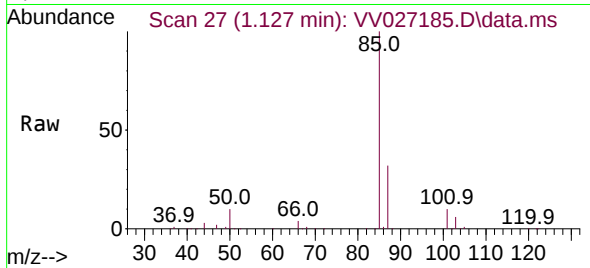
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 42.505 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV027185.D
 Acq: 02 Aug 2022 21:03

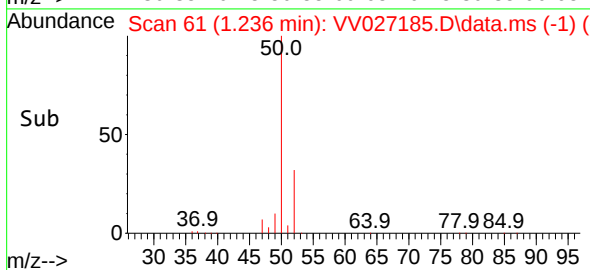
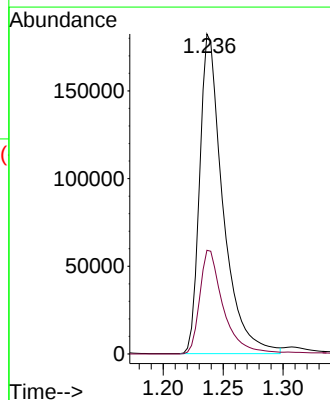
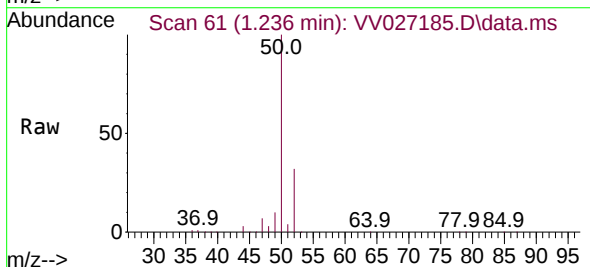
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050325

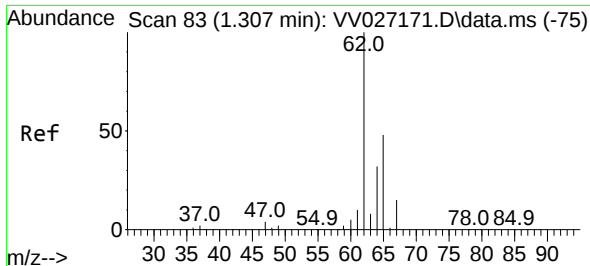
Tgt Ion: 85 Resp: 249542
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.3 39.5



#3
 Chloromethane
 Concen: 44.301 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VV027185.D
 Acq: 02 Aug 2022 21:03

Tgt Ion: 50 Resp: 246627
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.7 43.9

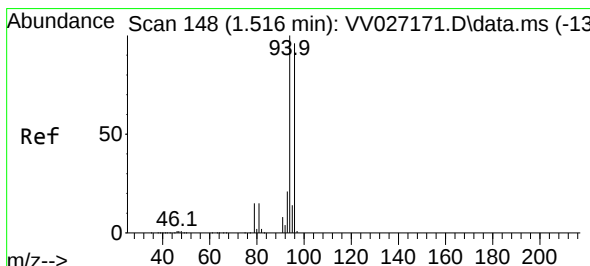
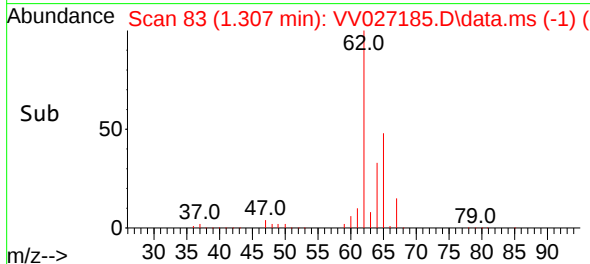
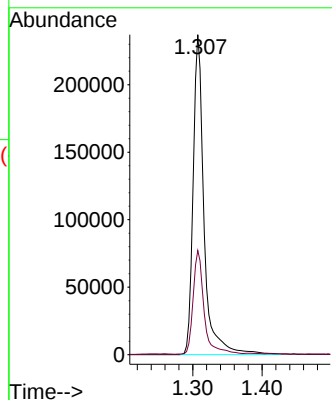
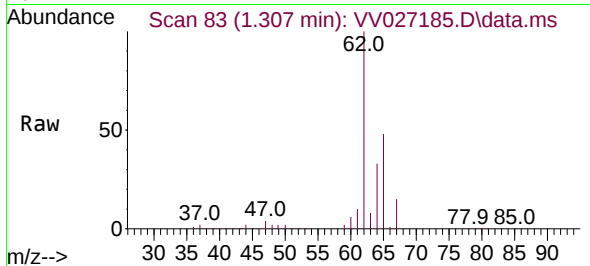




#5
 Vinyl chloride
 Concen: 45.114 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV027185.D
 Acq: 02 Aug 2022 21:03

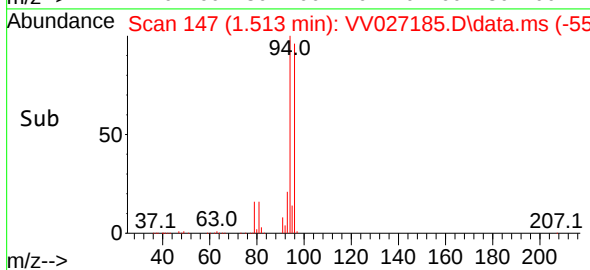
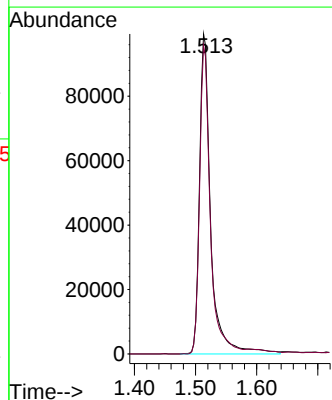
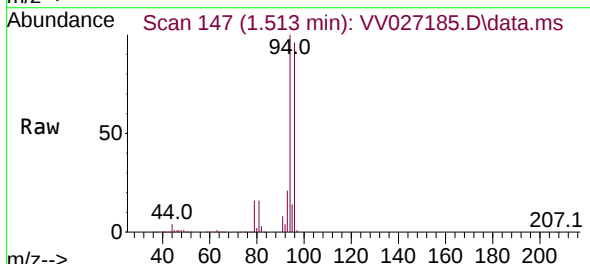
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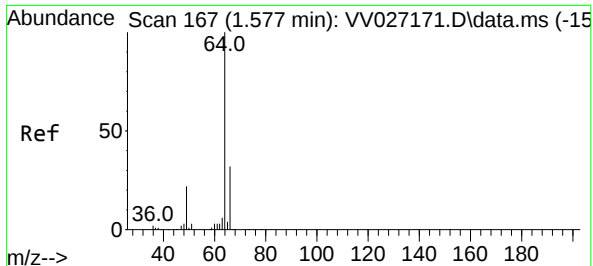
Tgt Ion: 62 Resp: 261428
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.1 42.9



#6
 Bromomethane
 Concen: 42.045 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. -0.003 min
 Lab File: VV027185.D
 Acq: 02 Aug 2022 21:03

Tgt Ion: 94 Resp: 126350
 Ion Ratio Lower Upper
 94 100
 96 96.4 66.6 123.6

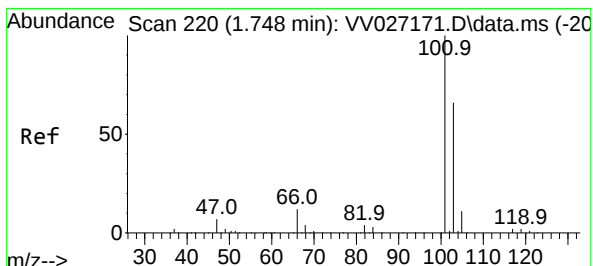
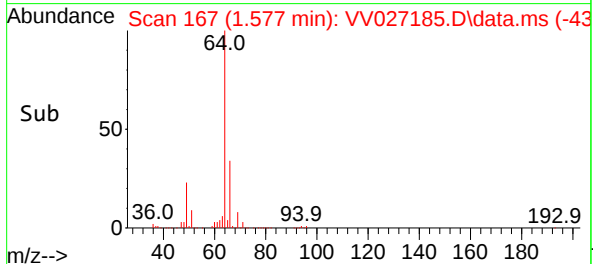
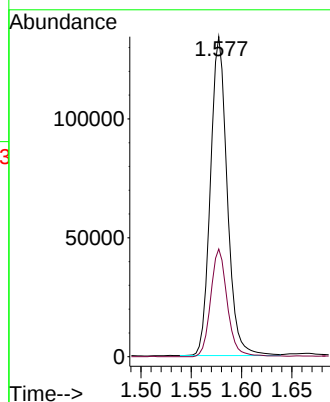
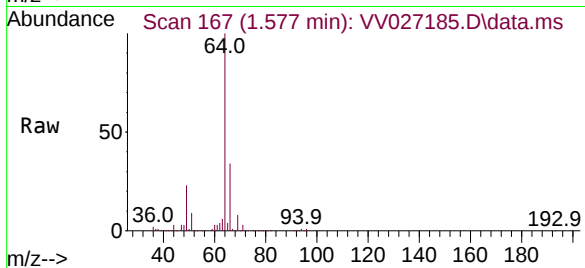




#8
Chloroethane
Concen: 50.213 ug/L
RT: 1.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

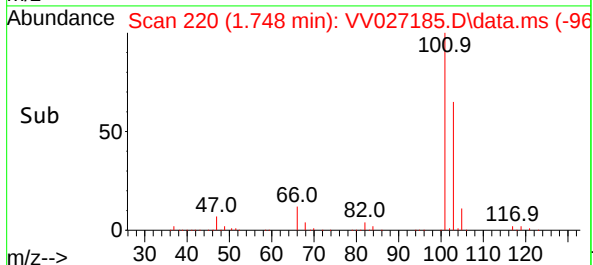
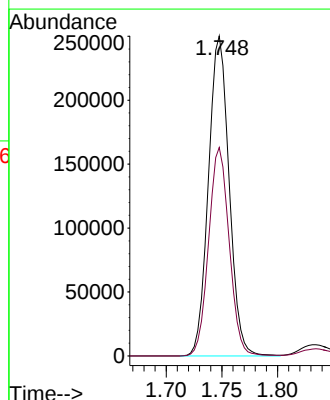
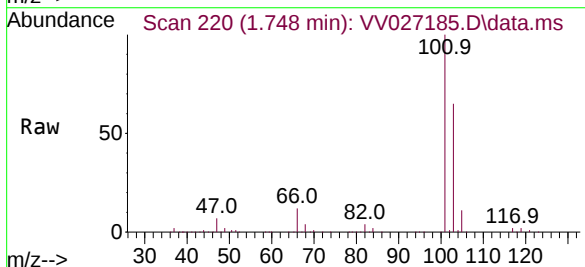
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MSVOA_V
ClientSampleId :
VSTD050325

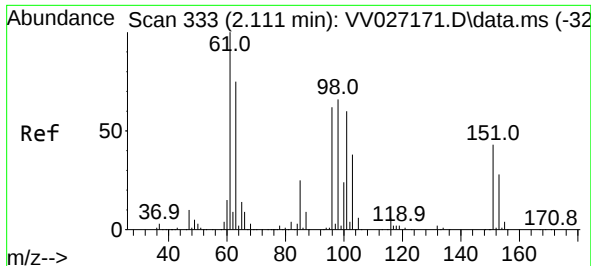
Tgt Ion: 64 Resp: 155902
Ion Ratio Lower Upper
64 100
66 33.6 22.6 42.0



#9
Trichlorofluoromethane
Concen: 42.394 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion: 101 Resp: 323673
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.8





#10

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

Concen: 41.562 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD050325

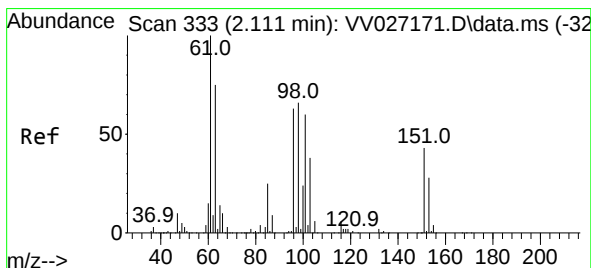
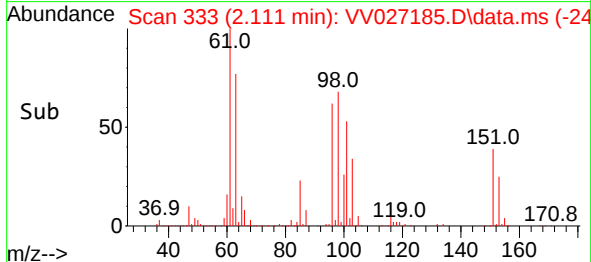
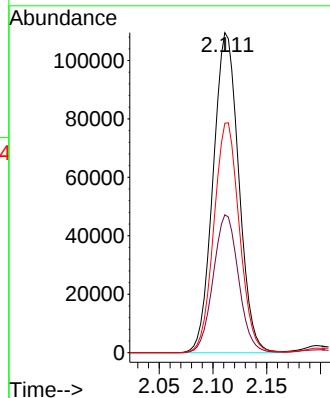
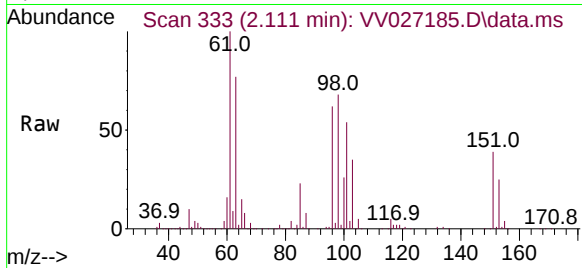
Tgt Ion:101 Resp: 181987

Ion Ratio Lower Upper

101 100

85 42.6 33.9 50.9

151 71.4 58.4 87.6



#12

1,1-Dichloroethene

Concen: 43.363 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.003 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

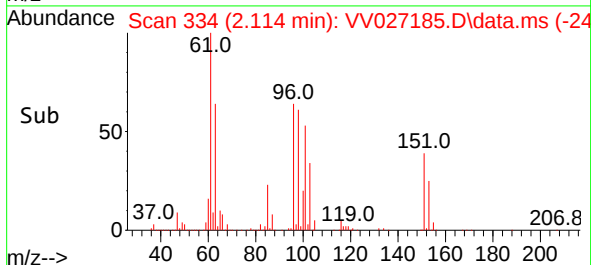
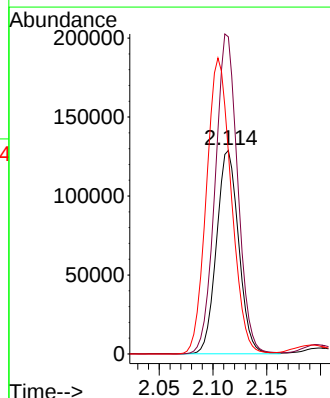
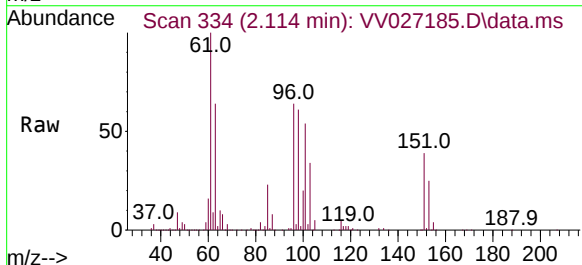
Tgt Ion: 96 Resp: 184490

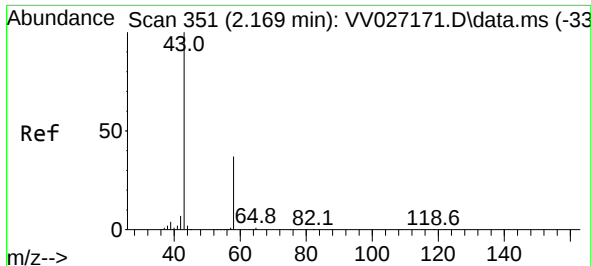
Ion Ratio Lower Upper

96 100

61 155.7 110.7 205.5

63 99.2 78.4 145.6





#13

Acetone

Concen: 91.621 ug/L

RT: 2.162 min Scan# 349

Delta R.T. -0.006 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

Instrument :

MSVOA_V

ClientSampleId :

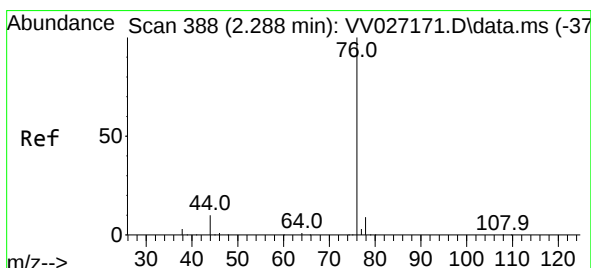
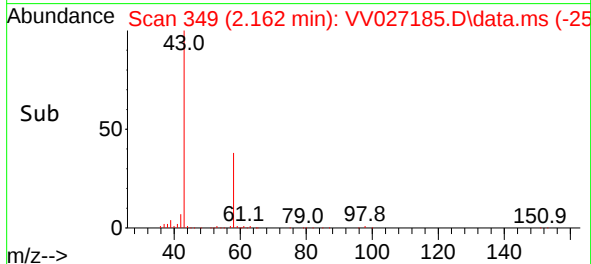
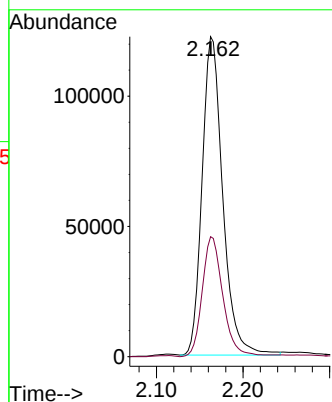
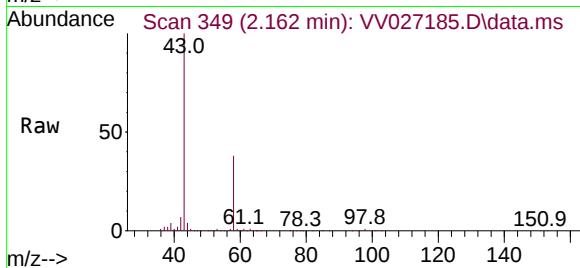
VSTD050325

Tgt Ion: 43 Resp: 202541

Ion Ratio Lower Upper

43 100

58 37.7 0.0 73.6



#14

Carbon disulfide

Concen: 41.933 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

Lab File: VV027185.D

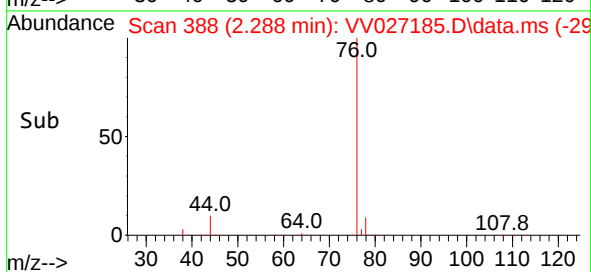
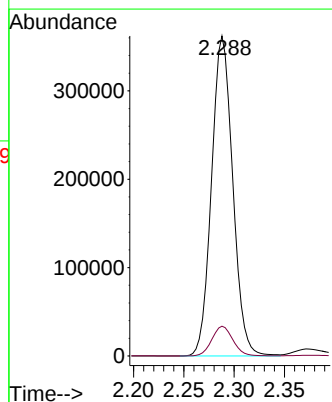
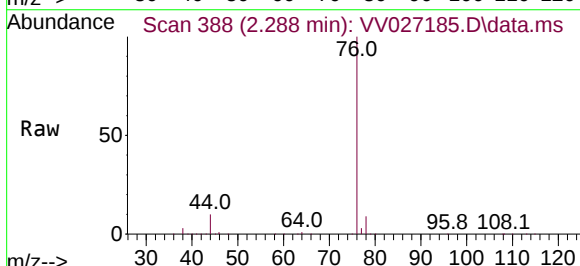
Acq: 02 Aug 2022 21:03

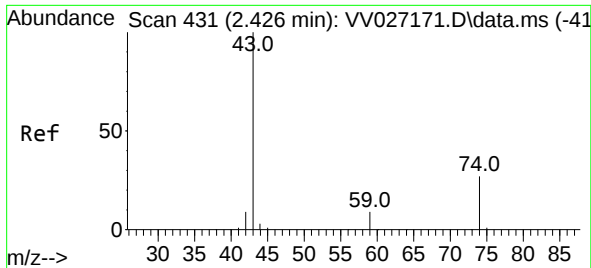
Tgt Ion: 76 Resp: 531325

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

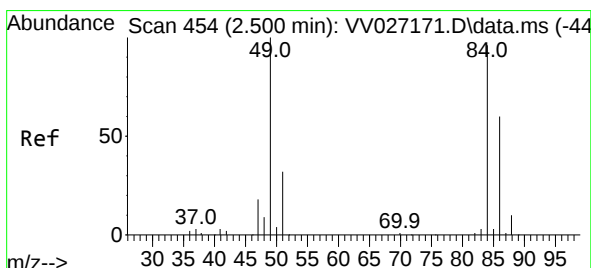
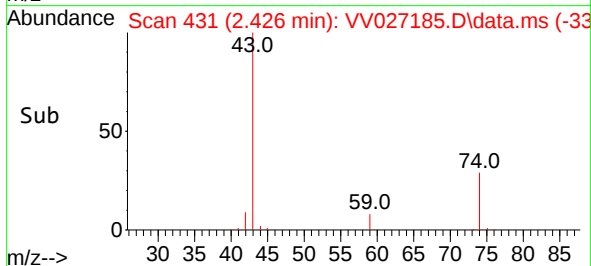
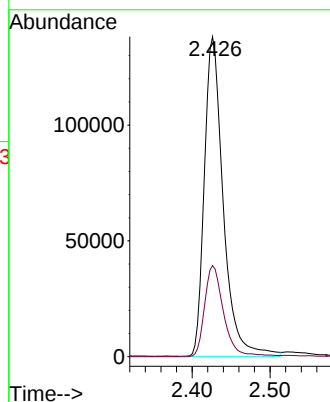
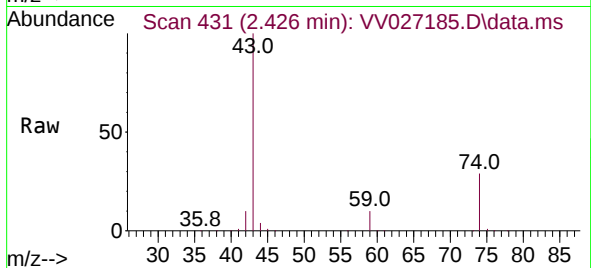




#15
Methyl Acetate
Concen: 48.358 ug/L
RT: 2.426 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

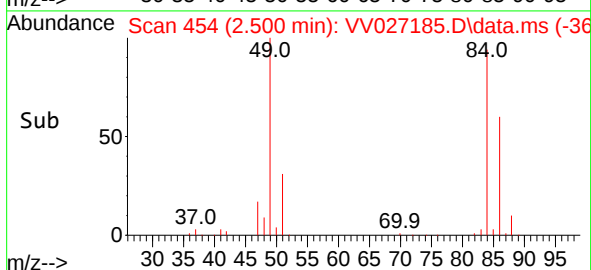
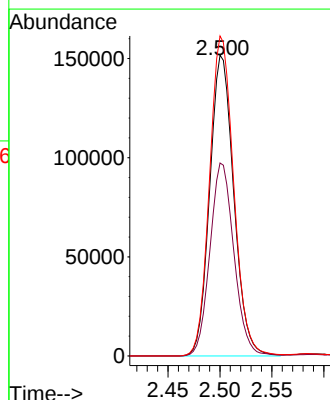
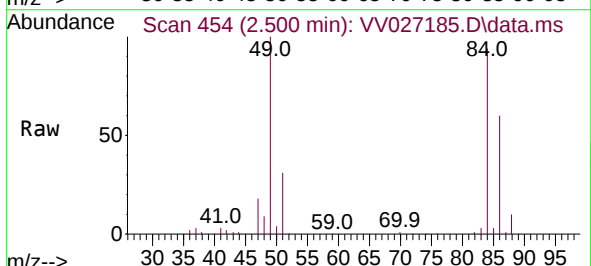
Instrument :
MSVOA_V
ClientSampleId :
VSTD050325

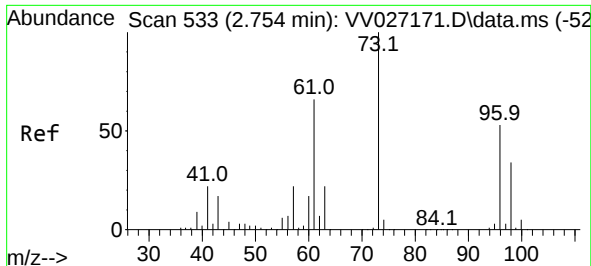
Tgt Ion: 43 Resp: 232573
Ion Ratio Lower Upper
43 100
74 28.4 22.4 33.6



#16
Methylene chloride
Concen: 45.328 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion: 84 Resp: 244450
Ion Ratio Lower Upper
84 100
86 64.2 45.3 84.1
49 106.4 76.0 141.2

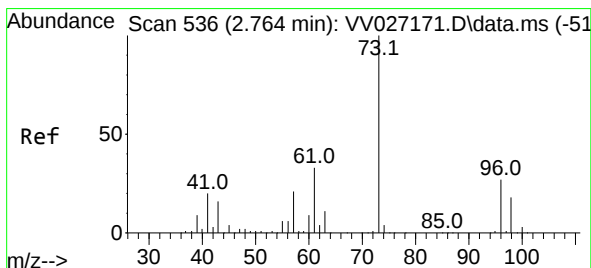
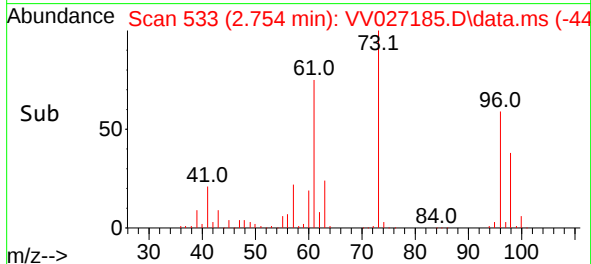
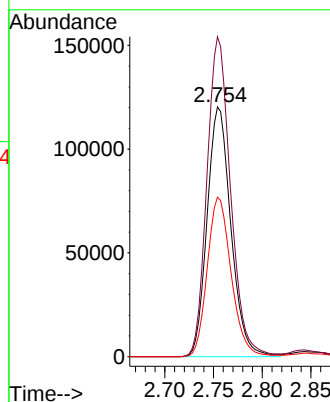
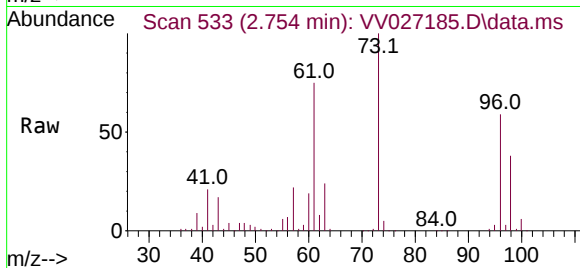




#17
trans-1,2-Dichloroethene
Concen: 45.190 ug/L
RT: 2.754 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

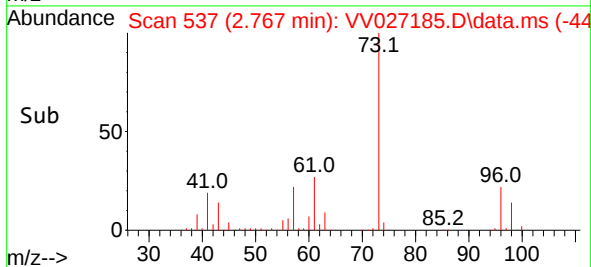
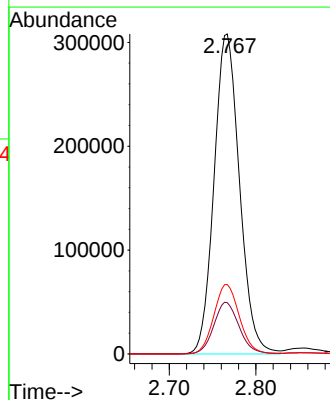
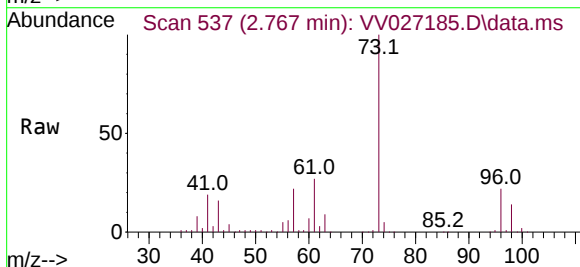
Instrument :
MSVOA_V
ClientSampleId :
VSTD050325

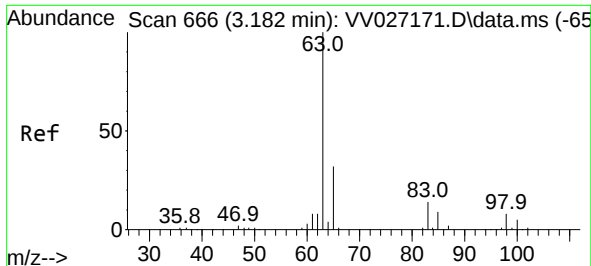
Tgt Ion: 96 Resp: 204650
Ion Ratio Lower Upper
96 100
61 128.0 89.2 165.6
98 63.8 43.3 80.3



#18
Methyl tert-butyl Ether
Concen: 48.349 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.003 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion: 73 Resp: 628988
Ion Ratio Lower Upper
73 100
43 16.0 12.6 18.8
57 21.8 17.2 25.8





#19

1,1-Dichloroethane

Concen: 45.537 ug/L

RT: 3.185 min Scan# 666

Delta R.T. 0.003 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD050325

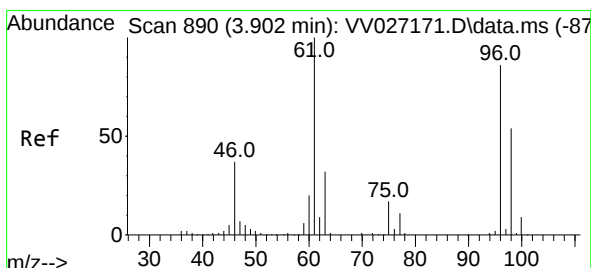
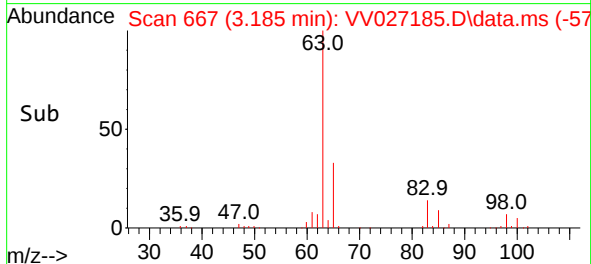
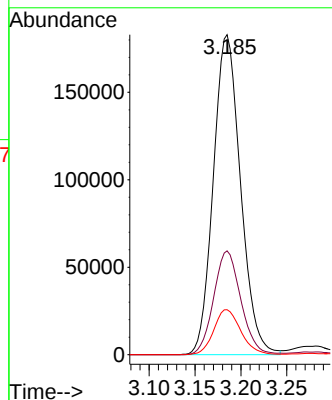
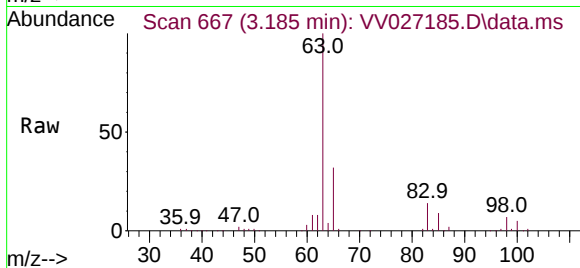
Tgt Ion: 63 Resp: 377620

Ion Ratio Lower Upper

63 100

65 32.4 22.9 42.5

83 14.0 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 46.800 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

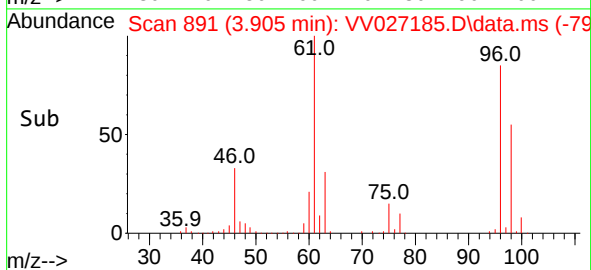
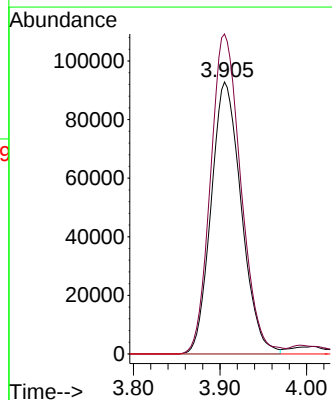
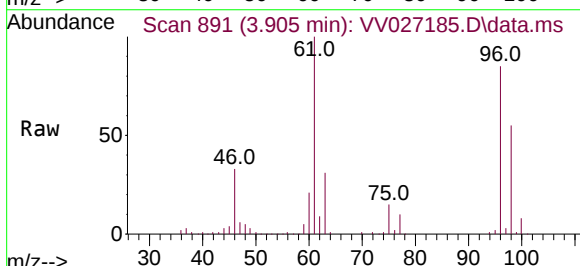
Tgt Ion: 96 Resp: 224974

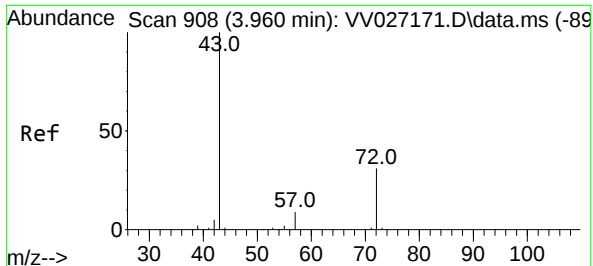
Ion Ratio Lower Upper

96 100

61 117.6 81.7 151.7

68 0.0 0.0 0.0

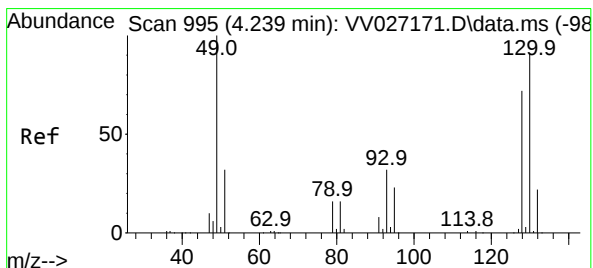
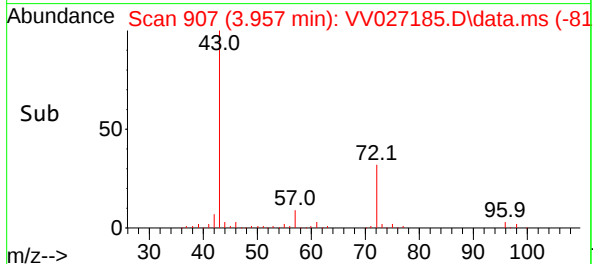
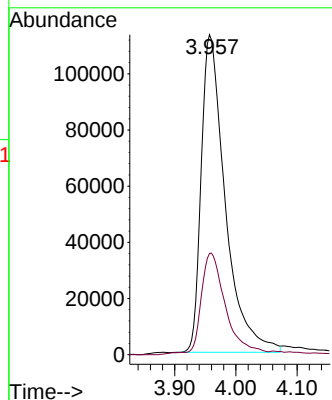
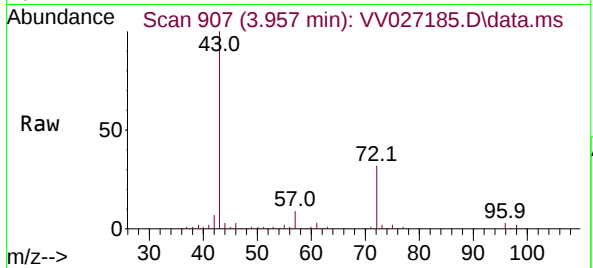




#22
2-Butanone
Concen: 101.469 ug/L
RT: 3.957 min Scan# 908
Delta R.T. -0.003 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

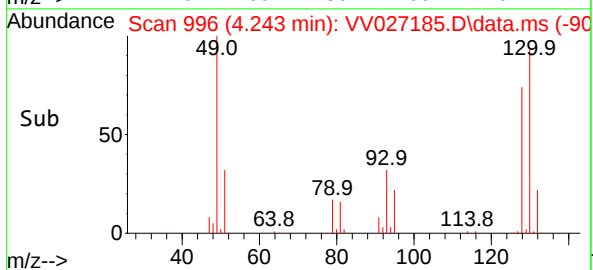
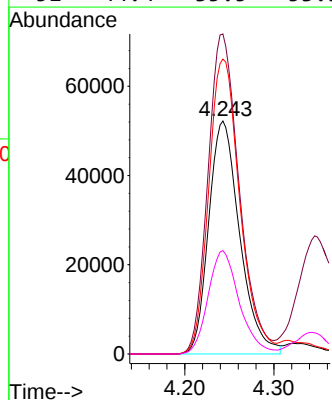
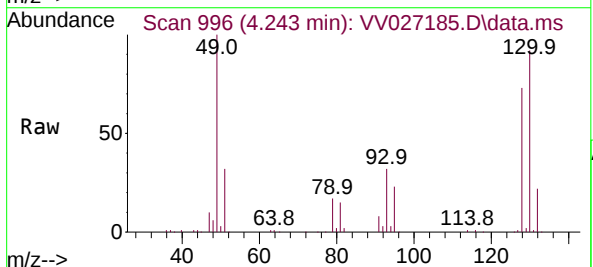
Instrument :
MSVOA_V
ClientSampleId :
VSTD050325

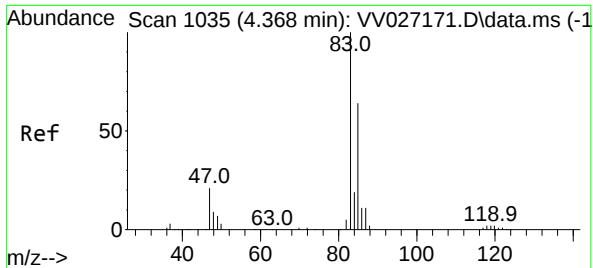
Tgt Ion: 43 Resp: 309101
Ion Ratio Lower Upper
43 100
72 31.1 15.7 47.1



#23
Bromochloromethane
Concen: 46.221 ug/L
RT: 4.243 min Scan# 996
Delta R.T. 0.003 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion:128 Resp: 126240
Ion Ratio Lower Upper
128 100
49 137.3 98.6 183.2
130 126.6 89.7 166.5
51 44.4 35.5 53.3

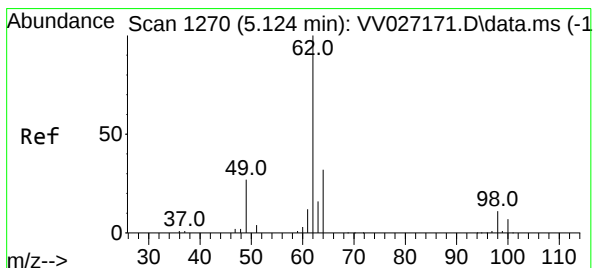
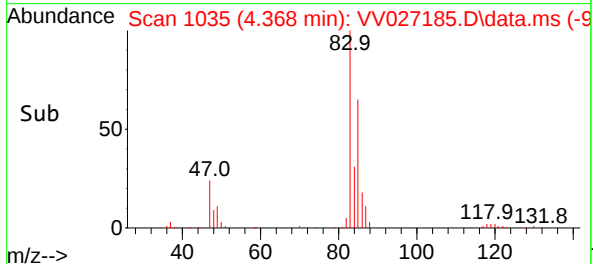
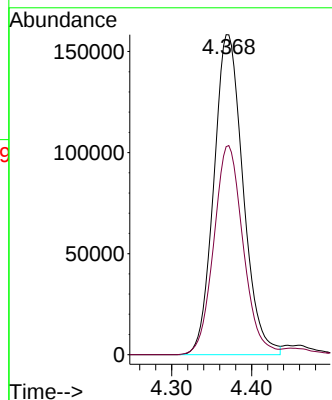
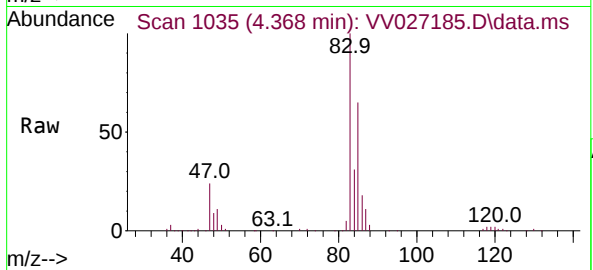




#25
Chloroform
Concen: 46.052 ug/L
RT: 4.368 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

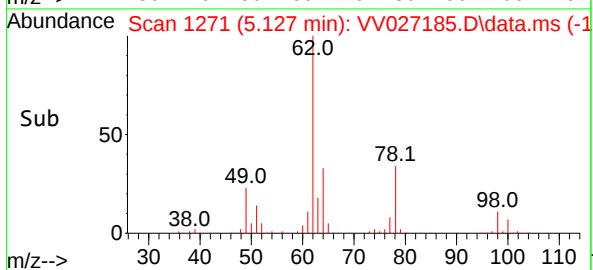
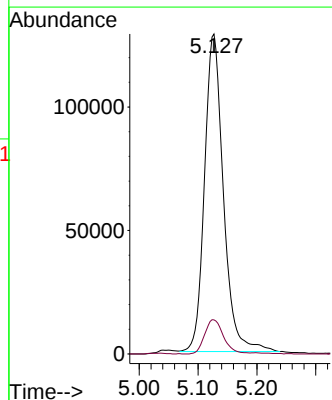
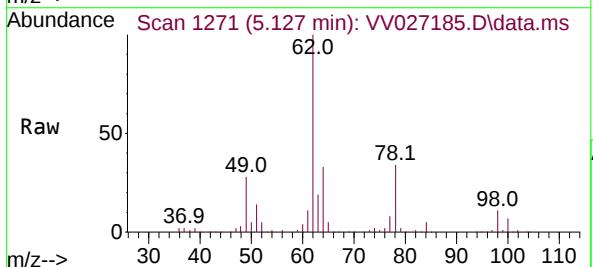
Instrument :
MSVOA_V
ClientSampleId :
VSTD050325

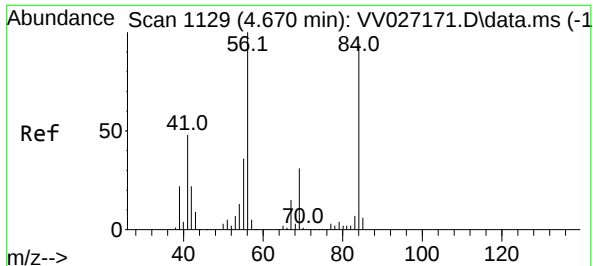
Tgt Ion: 83 Resp: 402091
Ion Ratio Lower Upper
83 100
85 65.0 45.3 84.1



#27
1,2-Dichloroethane
Concen: 47.609 ug/L
RT: 5.127 min Scan# 1271
Delta R.T. 0.003 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion: 62 Resp: 287806
Ion Ratio Lower Upper
62 100
98 10.7 9.2 13.8





#29

Cyclohexane

Concen: 42.104 ug/L

RT: 4.674 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD050325

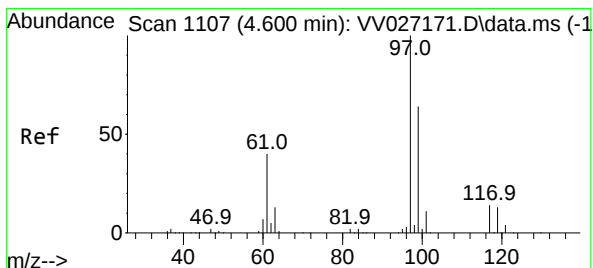
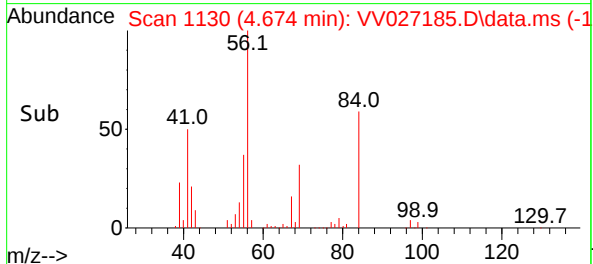
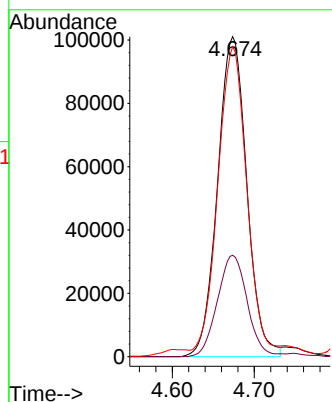
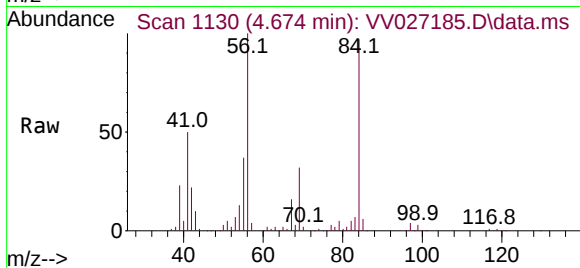
Tgt Ion: 56 Resp: 250244

Ion Ratio Lower Upper

56 100

69 32.1 26.1 39.1

84 91.9 77.3 115.9



#30

1,1,1-Trichloroethane

Concen: 45.557 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

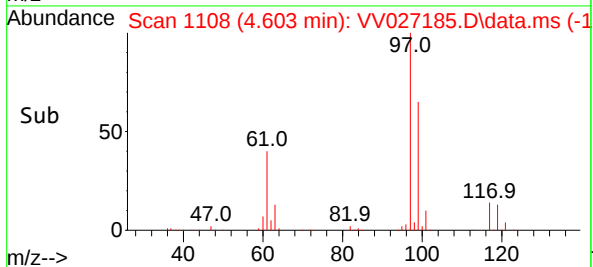
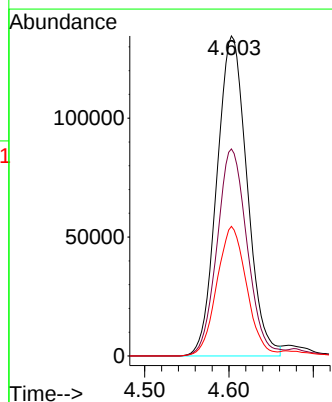
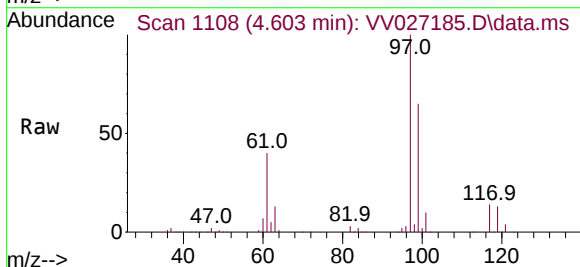
Tgt Ion: 97 Resp: 335361

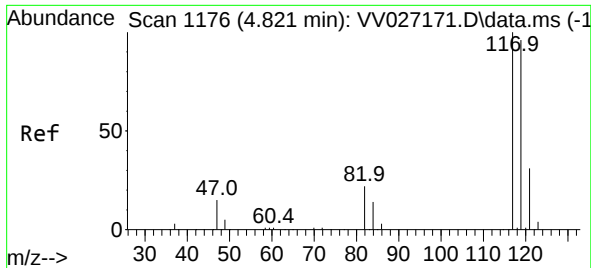
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.8

61 39.9 32.7 49.1

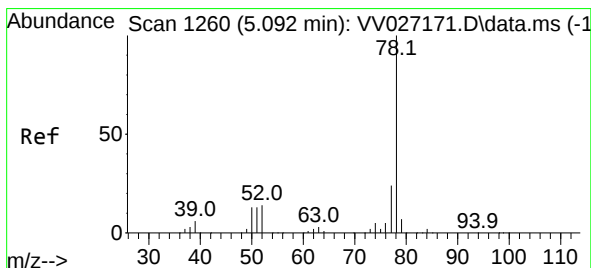
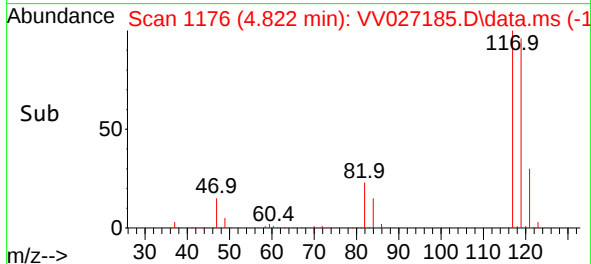
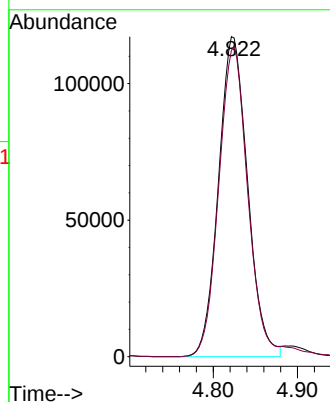
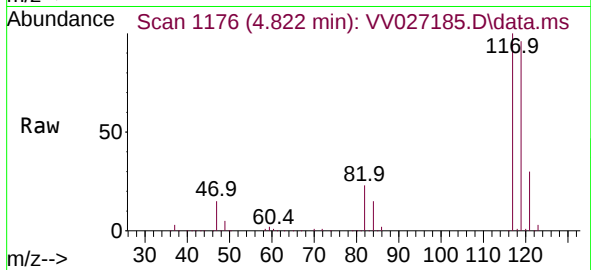




#31
Carbon tetrachloride
Concen: 44.431 ug/L
RT: 4.822 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

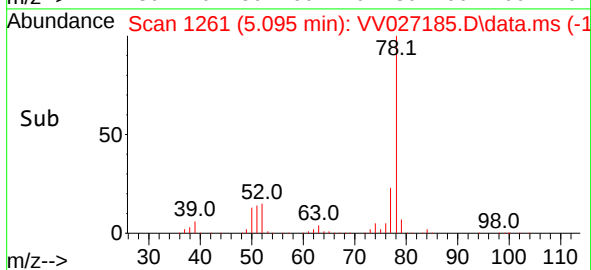
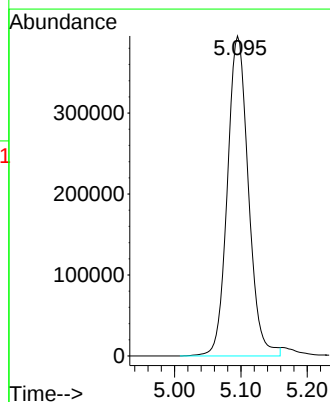
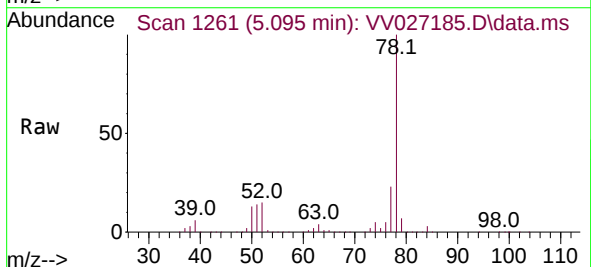
Instrument :
MSVOA_V
ClientSampleId :
VSTD050325

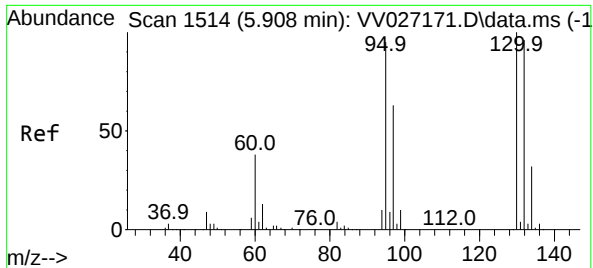
Tgt Ion:117 Resp: 281246
Ion Ratio Lower Upper
117 100
119 95.7 77.1 115.7



#33
Benzene
Concen: 48.335 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion: 78 Resp: 870280

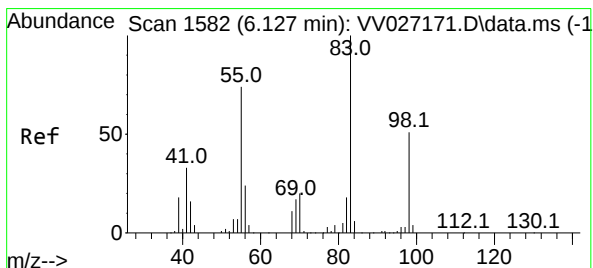
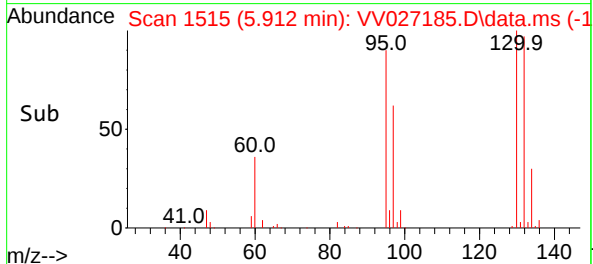
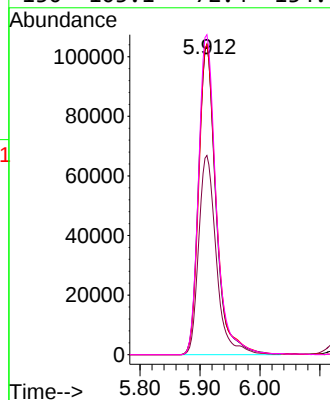
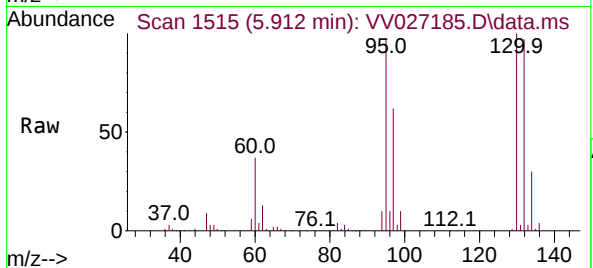




#34
Trichloroethene
Concen: 45.578 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

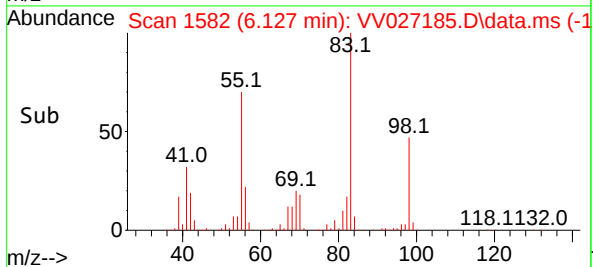
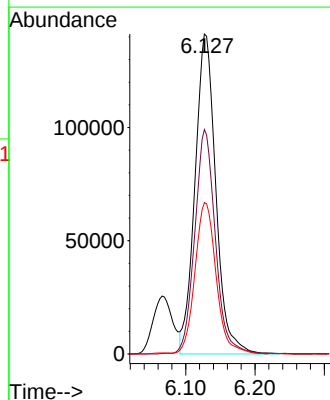
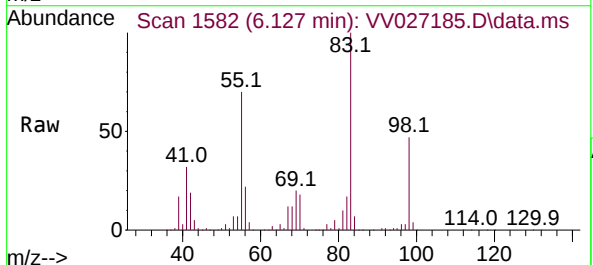
Instrument :
MSVOA_V
ClientSampleId :
VSTD050325

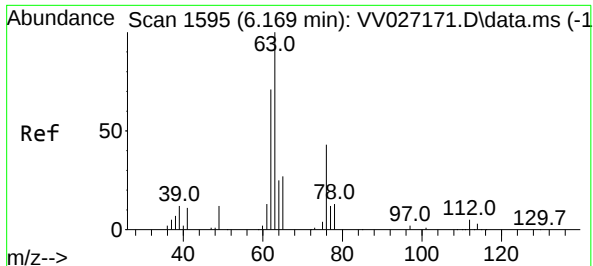
Tgt Ion: 95 Resp: 211043
Ion Ratio Lower Upper
95 100
97 64.2 47.0 87.2
132 100.0 71.5 132.7
130 103.1 72.4 134.4



#35
Methylcyclohexane
Concen: 43.093 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion: 83 Resp: 296138
Ion Ratio Lower Upper
83 100
55 69.2 56.2 84.4
98 48.1 39.6 59.4





#37

1,2-Dichloropropane

Concen: 49.347 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

Instrument :

MSVOA_V

ClientSampleId :

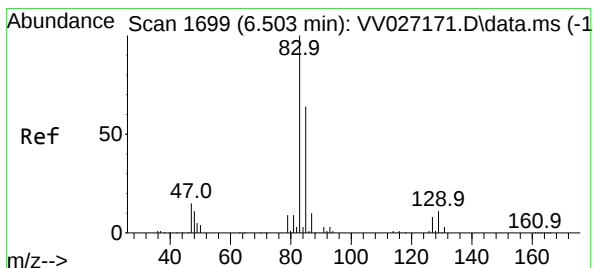
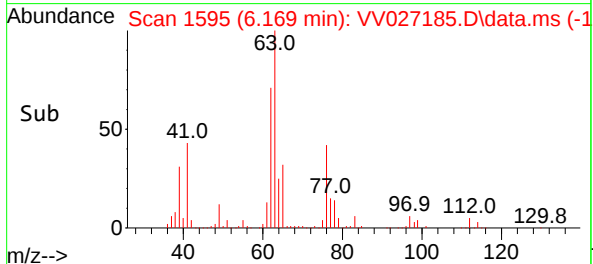
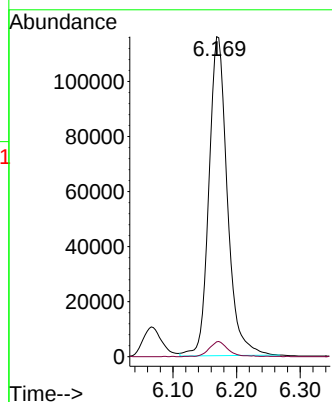
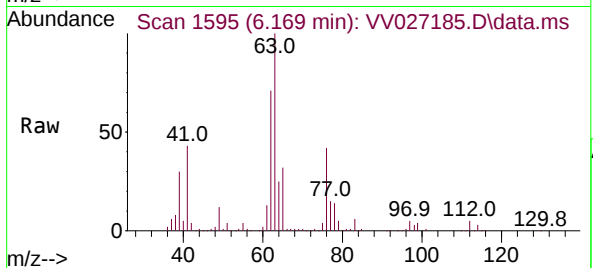
VSTD050325

Tgt Ion: 63 Resp: 233251

Ion Ratio Lower Upper

63 100

112 4.7 4.0 6.0



#38

Bromodichloromethane

Concen: 48.290 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

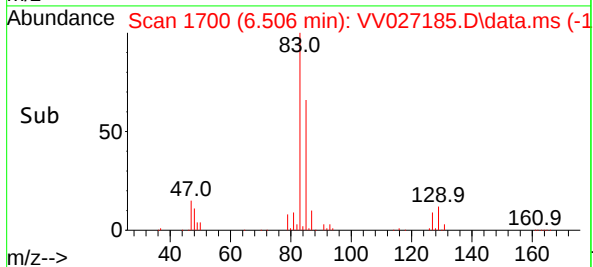
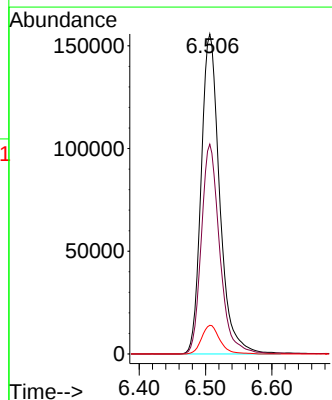
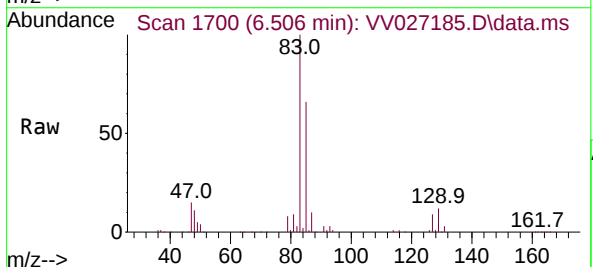
Tgt Ion: 83 Resp: 302346

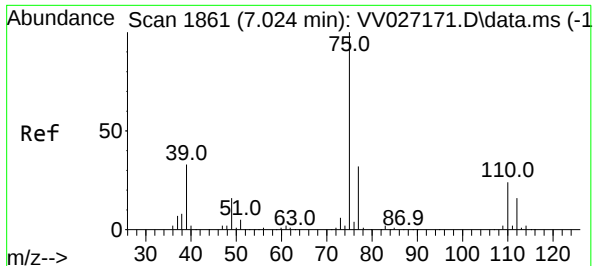
Ion Ratio Lower Upper

83 100

85 65.5 45.1 83.9

127 9.0 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 46.980 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

Instrument :

MSVOA_V

ClientSampleId :

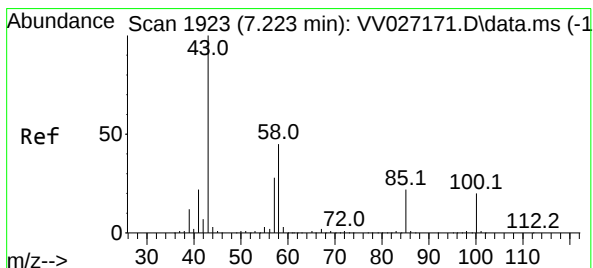
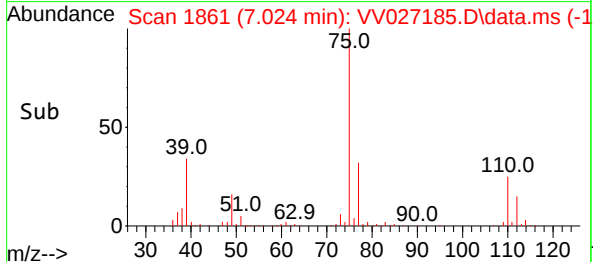
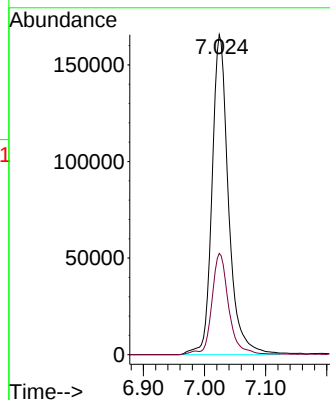
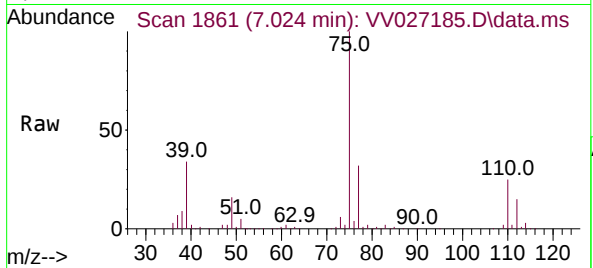
VSTD050325

Tgt Ion: 75 Resp: 311525

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 109.455 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.000 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

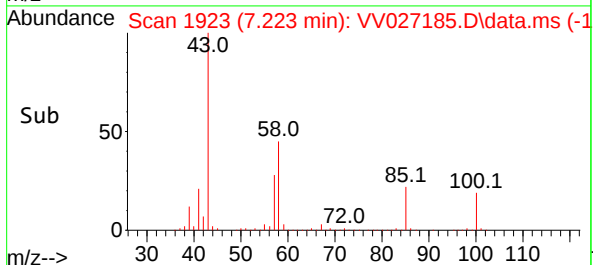
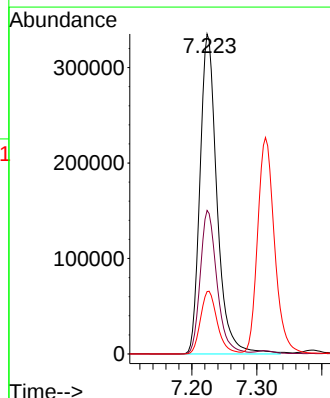
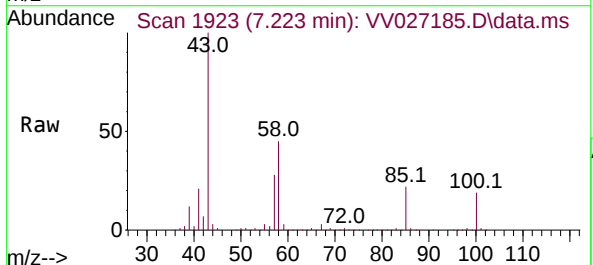
Tgt Ion: 43 Resp: 611467

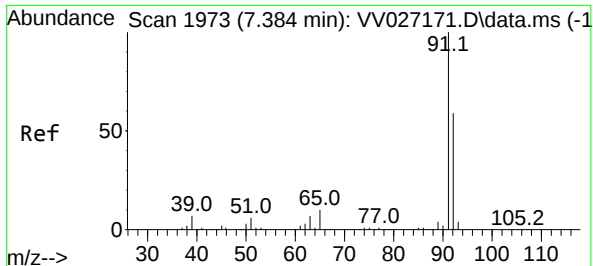
Ion Ratio Lower Upper

43 100

58 44.1 36.1 54.1

100 19.3 15.8 23.6





#42

Toluene

Concen: 49.466 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

Instrument :

MSVOA_V

ClientSampleId :

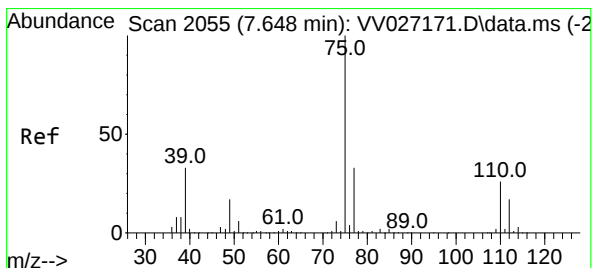
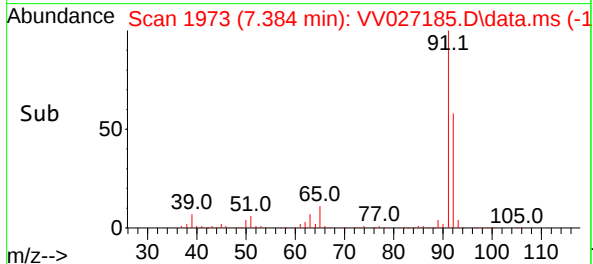
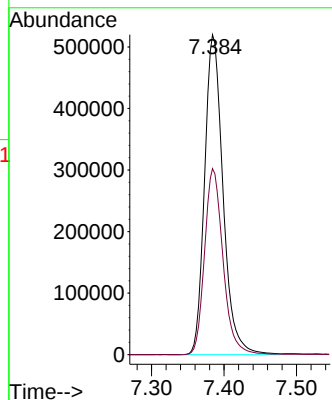
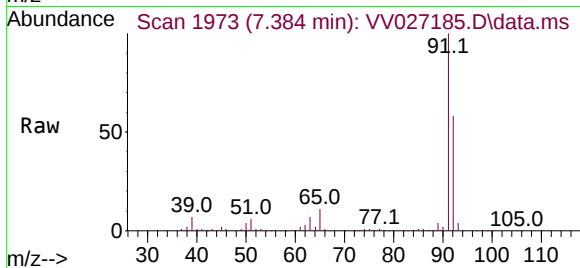
VSTD050325

Tgt Ion: 91 Resp: 918808

Ion Ratio Lower Upper

91 100

92 58.1 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 48.036 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV027185.D

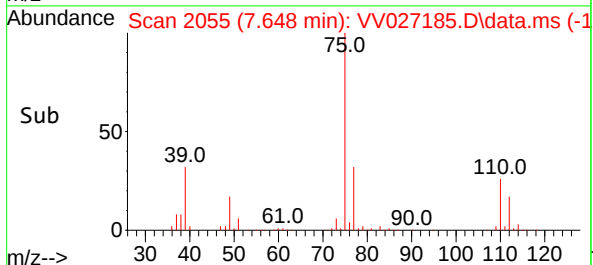
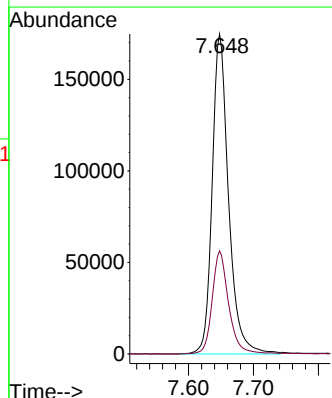
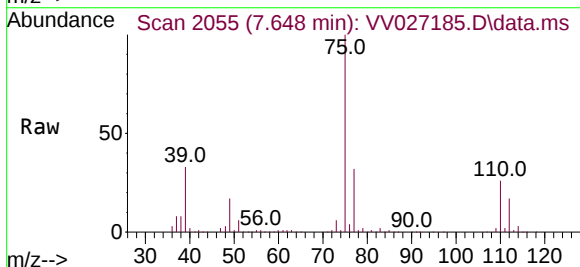
Acq: 02 Aug 2022 21:03

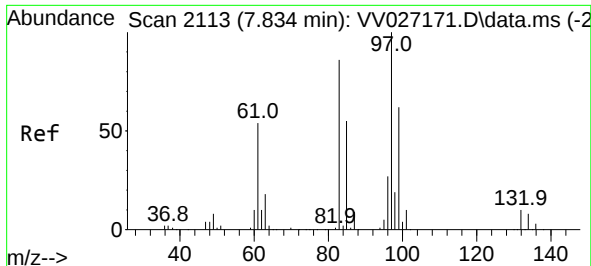
Tgt Ion: 75 Resp: 306041

Ion Ratio Lower Upper

75 100

77 32.2 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 49.081 ug/L

RT: 7.837 min Scan# 2113

Delta R.T. 0.003 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD050325

Tgt Ion: 97 Resp: 243876

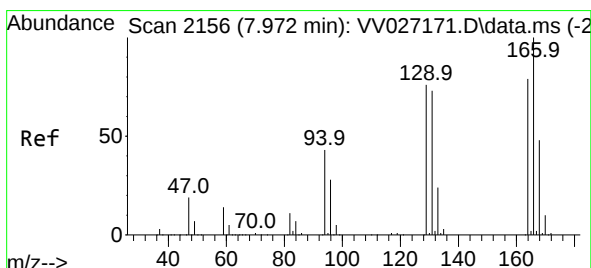
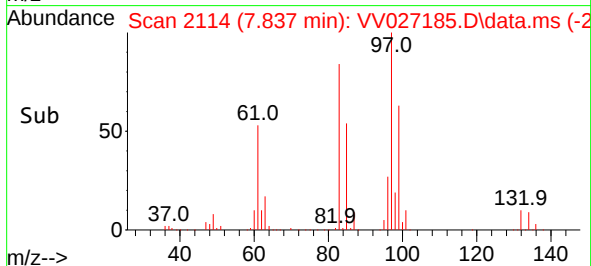
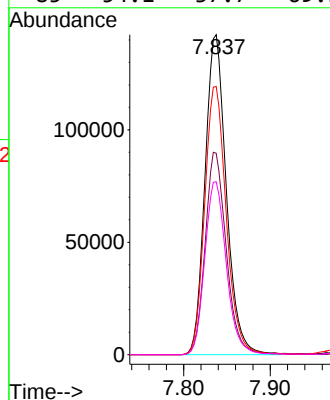
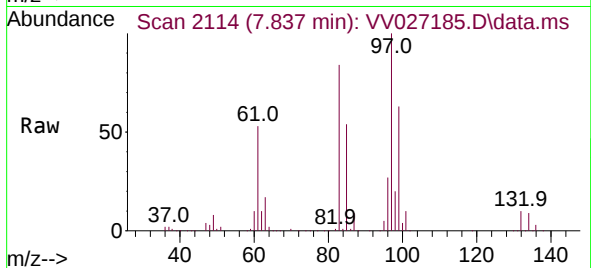
Ion Ratio Lower Upper

97 100

99 63.0 43.3 80.5

83 83.8 58.2 108.2

85 54.1 37.7 69.9



#46

Tetrachloroethene

Concen: 44.235 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

Tgt Ion:164 Resp: 156376

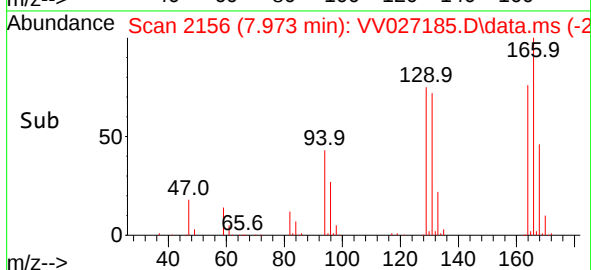
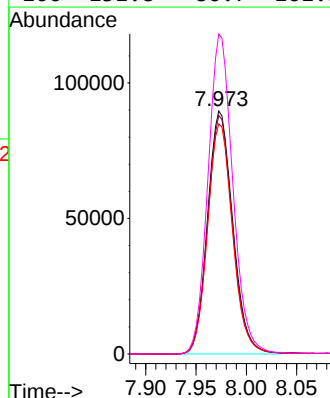
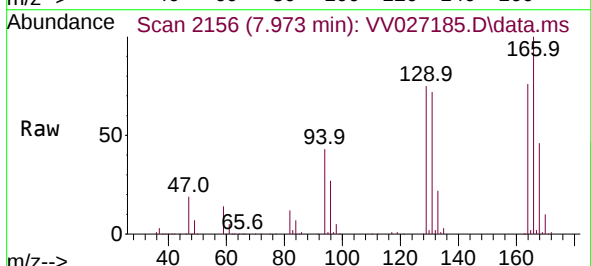
Ion Ratio Lower Upper

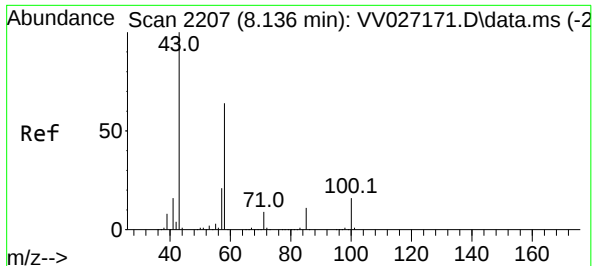
164 100

129 98.2 66.0 122.6

131 94.7 63.1 117.1

166 131.8 86.7 161.1

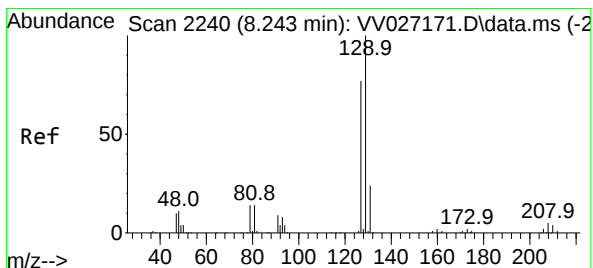
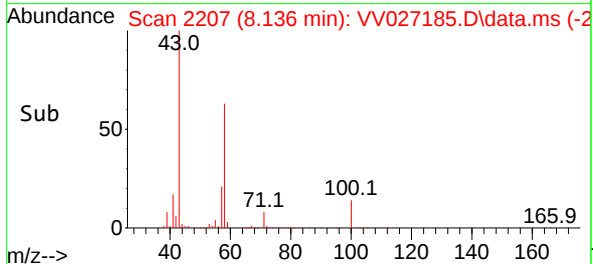
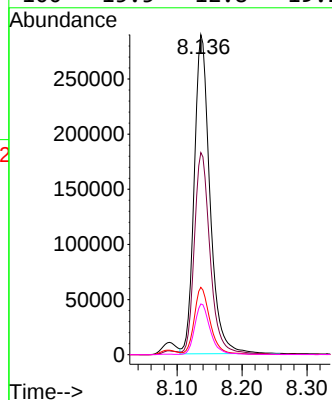
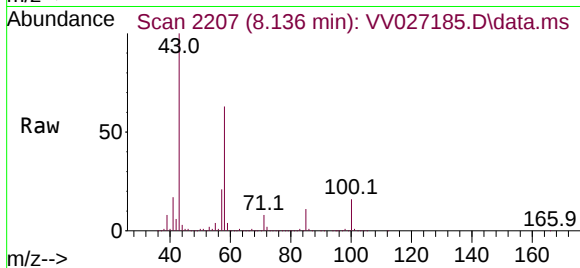




#48
2-Hexanone
Concen: 112.241 ug/L
RT: 8.136 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

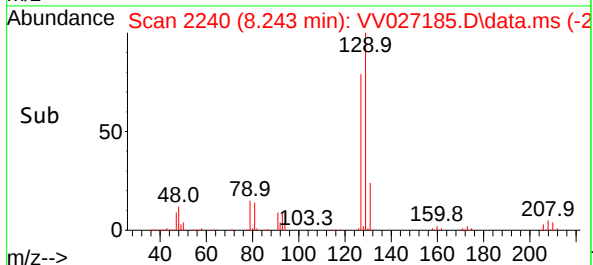
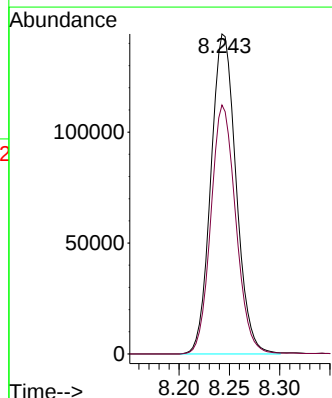
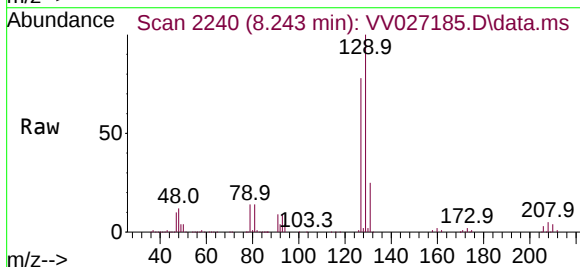
Instrument :
MSVOA_V
ClientSampleId :
VSTD050325

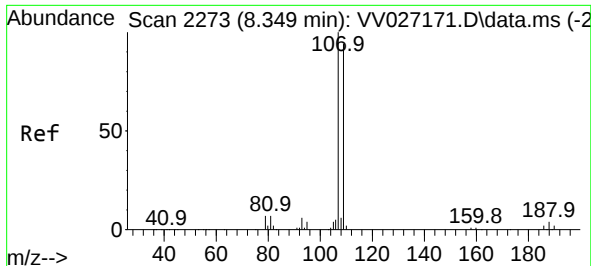
Tgt Ion: 43 Resp: 487514
Ion Ratio Lower Upper
43 100
58 63.0 51.3 76.9
57 21.1 16.7 25.1
100 15.5 12.8 19.2



#49
Dibromochloromethane
Concen: 48.809 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion: 129 Resp: 251759
Ion Ratio Lower Upper
129 100
127 77.8 54.5 101.3

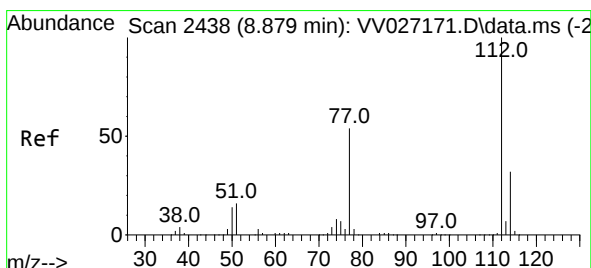
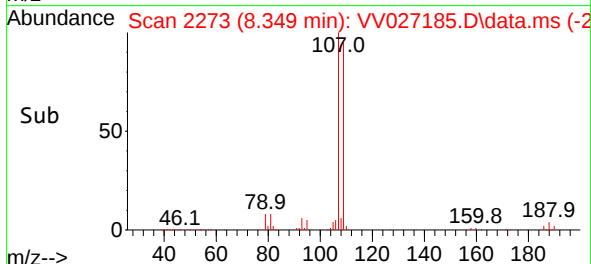
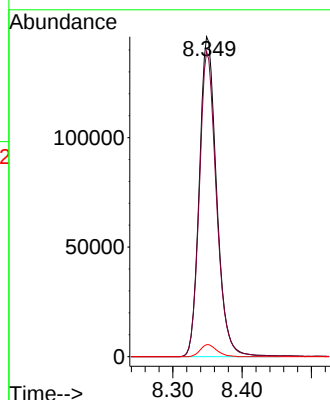
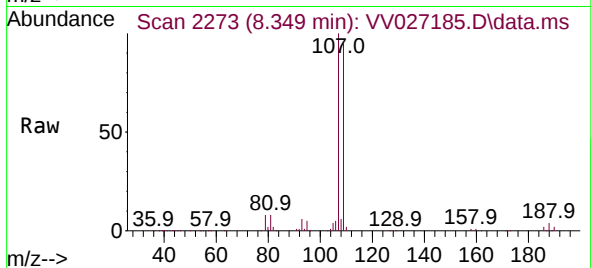




#50
1,2-Dibromoethane
Concen: 49.145 ug/L
RT: 8.349 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

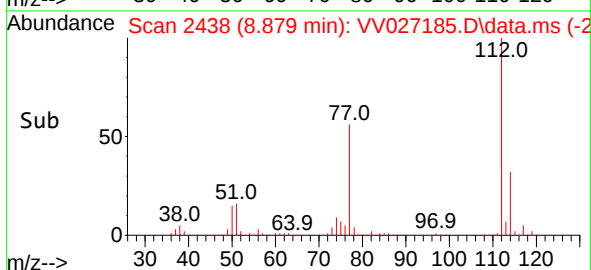
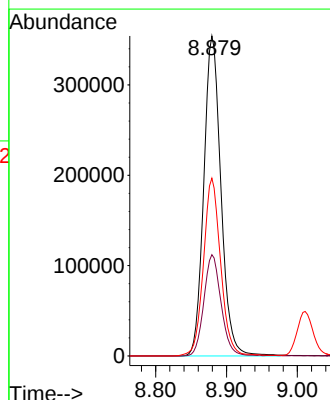
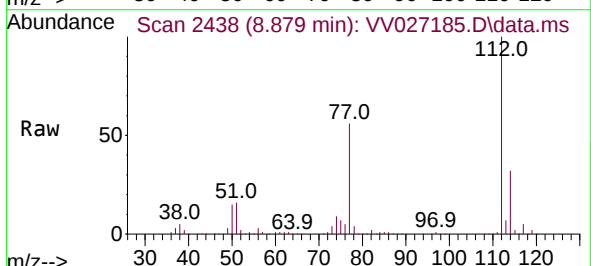
Instrument :
MSVOA_V
ClientSampleId :
VSTD050325

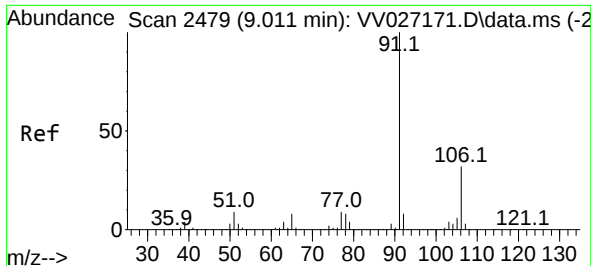
Tgt Ion:107 Resp: 252810
Ion Ratio Lower Upper
107 100
109 95.4 65.3 121.3
188 3.8 2.6 4.0



#51
Chlorobenzene
Concen: 46.395 ug/L
RT: 8.879 min Scan# 2438
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion:112 Resp: 596362
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.3
77 55.6 44.9 67.3

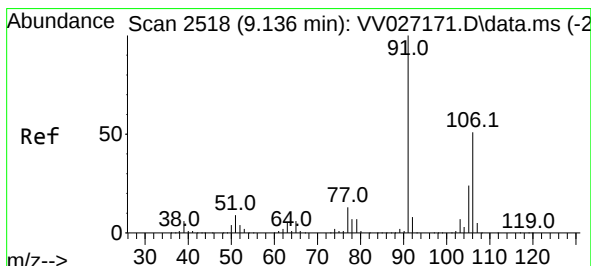
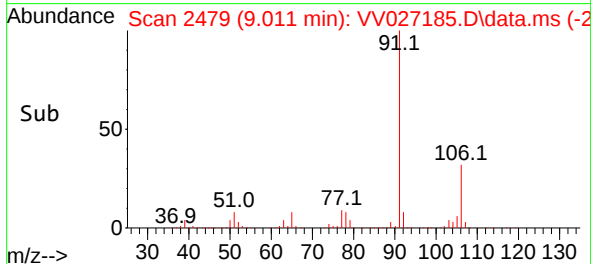
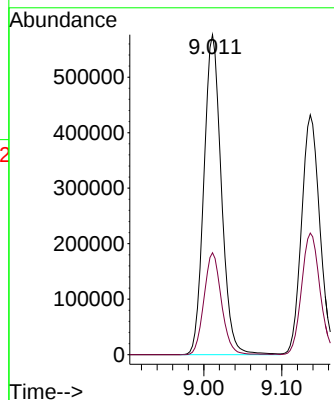
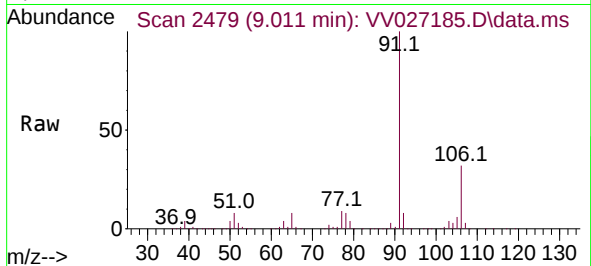




#52
Ethylbenzene
Concen: 47.231 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

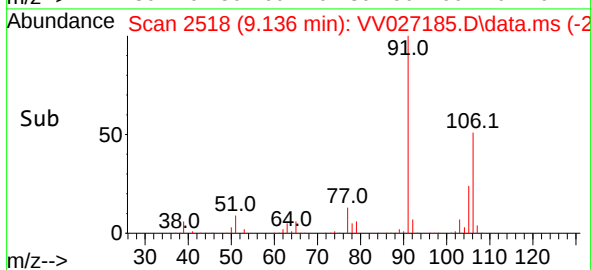
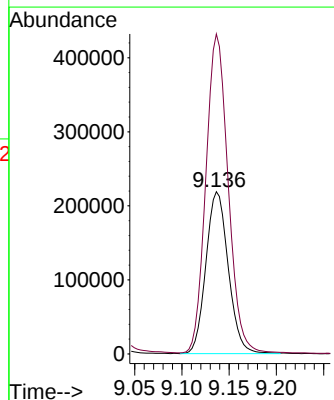
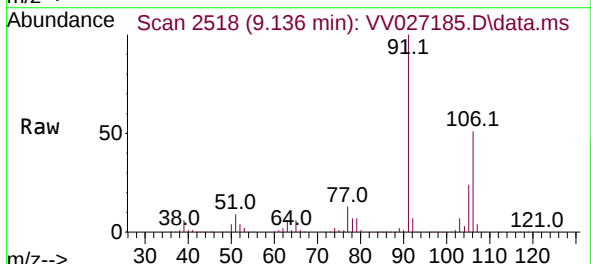
Instrument :
MSVOA_V
ClientSampleId :
VSTD050325

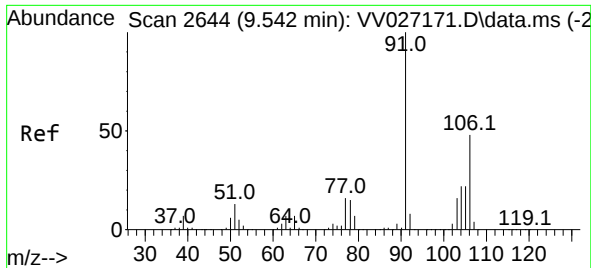
Tgt Ion: 91 Resp: 899082
Ion Ratio Lower Upper
91 100
106 31.8 22.1 41.1



#53
m,p-Xylene
Concen: 48.272 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion: 106 Resp: 360459
Ion Ratio Lower Upper
106 100
91 197.1 138.5 257.3

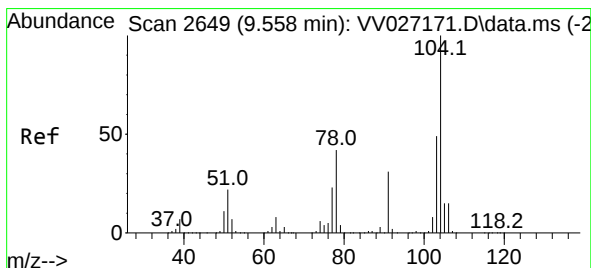
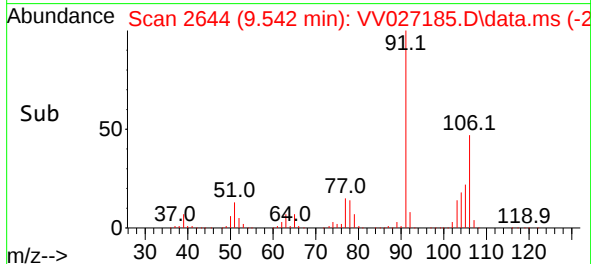
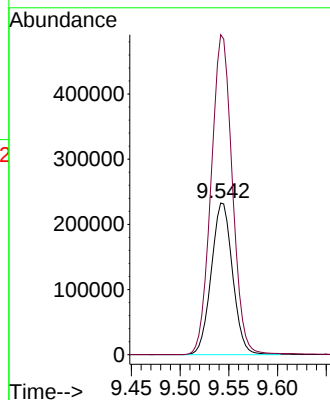
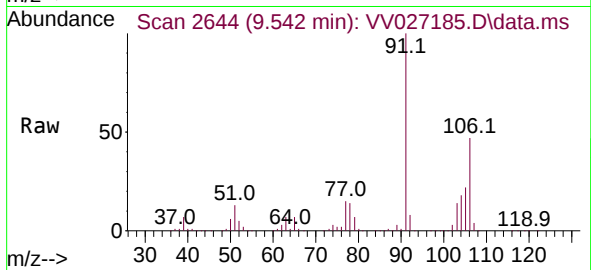




#54
o-Xylene
Concen: 48.446 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

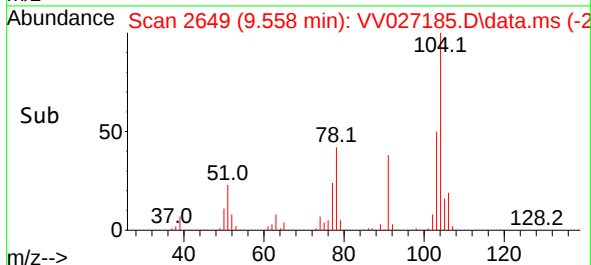
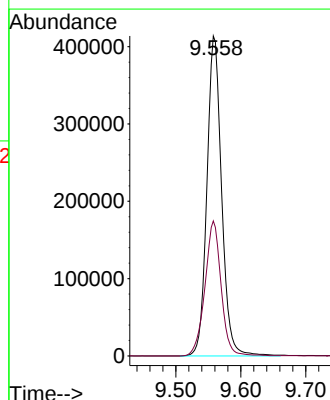
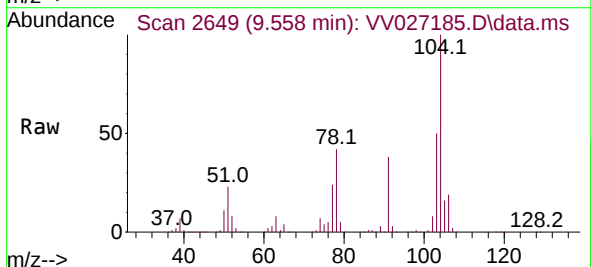
Instrument :
MSVOA_V
ClientSampleId :
VSTD050325

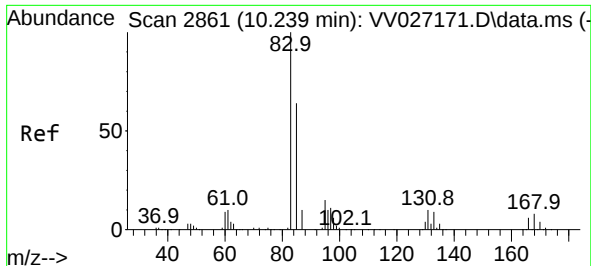
Tgt Ion:106 Resp: 354124
Ion Ratio Lower Upper
106 100
91 211.0 145.1 269.5



#55
Styrene
Concen: 51.433 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion:104 Resp: 653414
Ion Ratio Lower Upper
104 100
78 42.2 29.2 54.2





#57

1,1,2,2-Tetrachloroethane

Concen: 49.197 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD050325

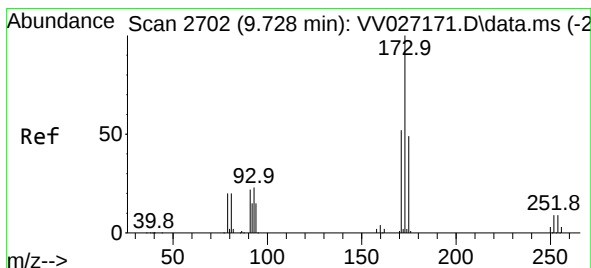
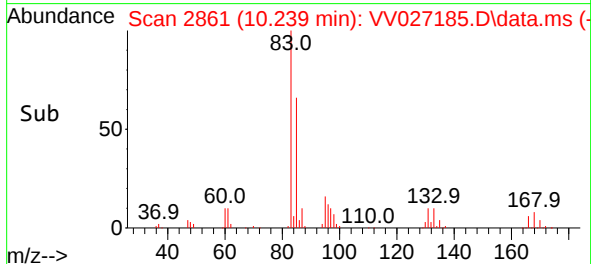
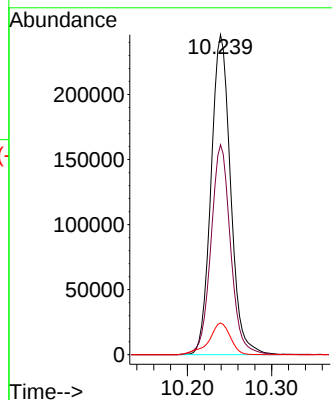
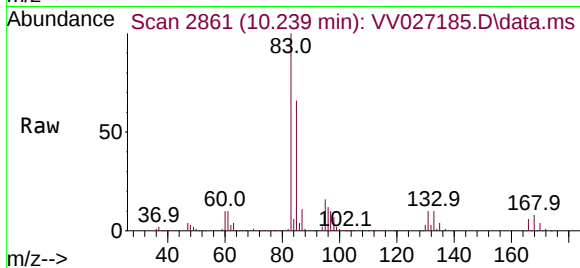
Tgt Ion: 83 Resp: 396385

Ion Ratio Lower Upper

83 100

85 65.6 45.2 84.0

131 9.9 7.8 11.6



#59

Bromoform

Concen: 49.310 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. 0.000 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

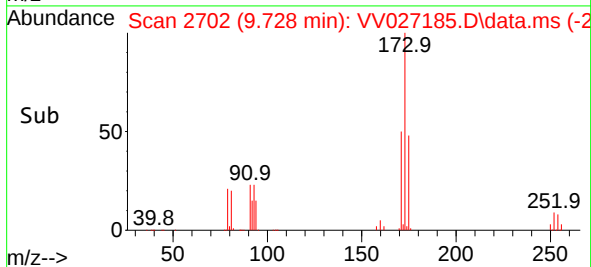
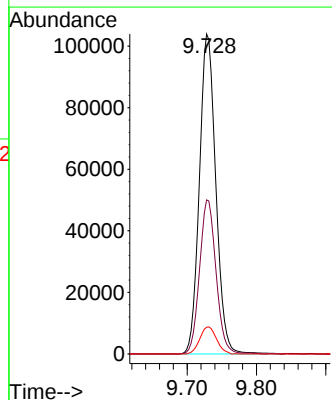
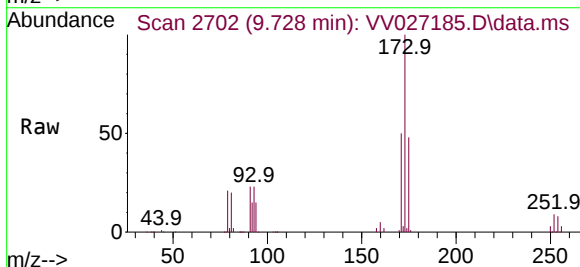
Tgt Ion: 173 Resp: 171411

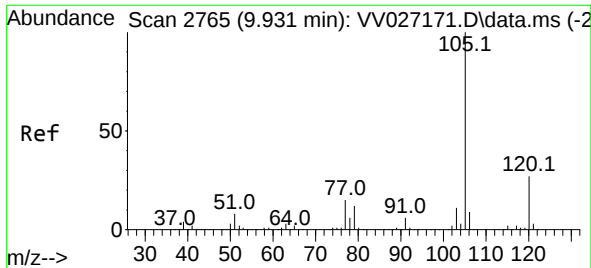
Ion Ratio Lower Upper

173 100

175 48.1 38.2 57.4

254 8.6 6.8 10.2

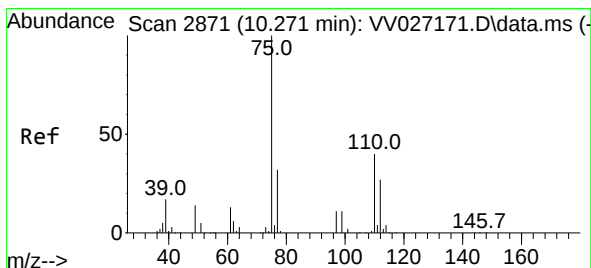
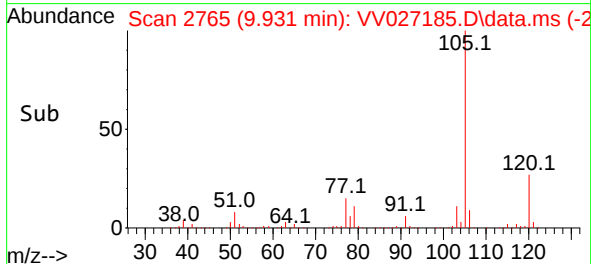
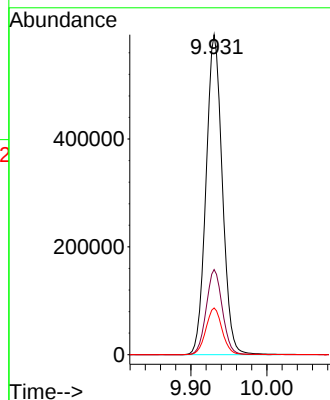
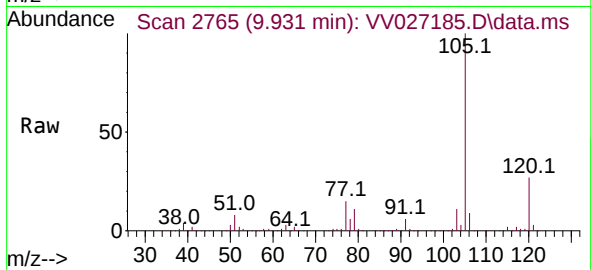




#60
Isopropylbenzene
Concen: 47.695 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

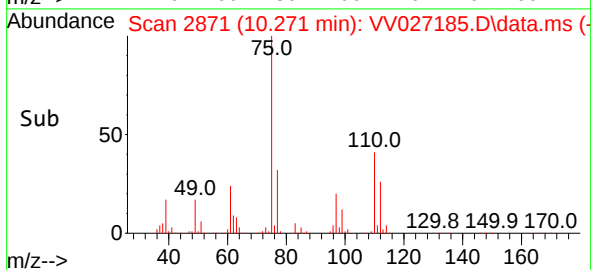
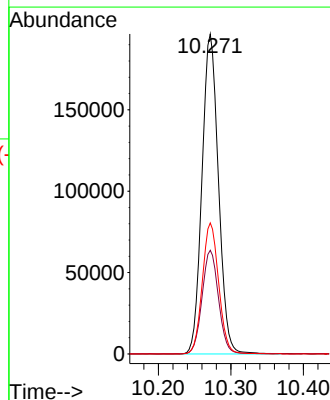
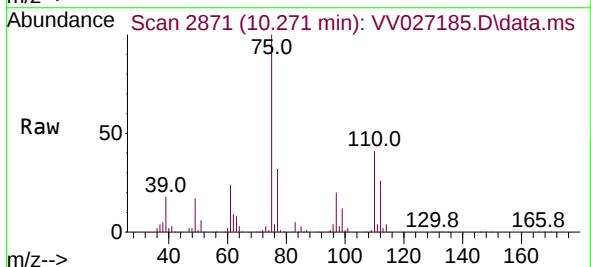
Instrument :
MSVOA_V
ClientSampleId :
VSTD050325

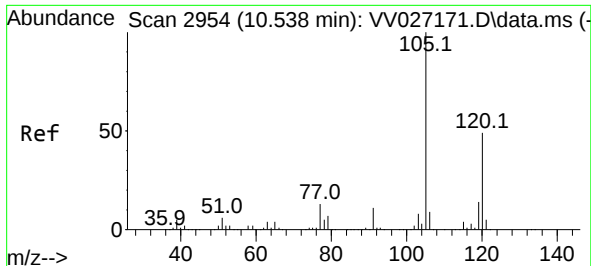
Tgt Ion:105 Resp: 881175
Ion Ratio Lower Upper
105 100
120 26.5 21.4 32.2
77 14.7 11.7 17.5



#61
1,2,3-Trichloropropane
Concen: 49.680 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion: 75 Resp: 310566
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.8
110 40.6 32.8 49.2

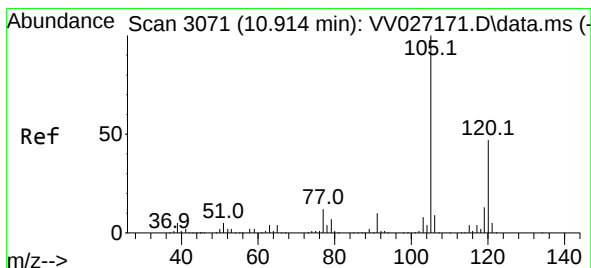
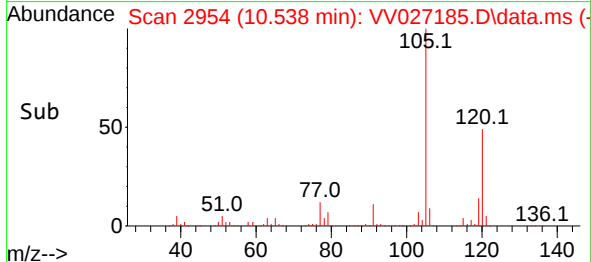
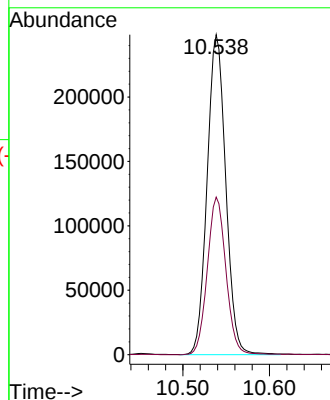
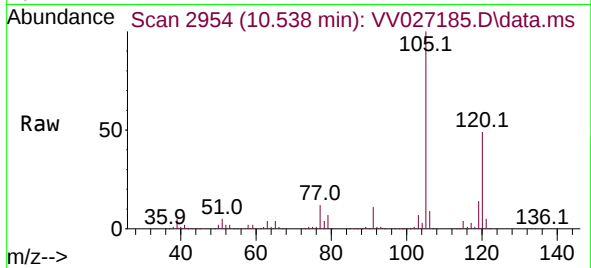




#62
1,3,5-Trimethylbenzene
Concen: 46.359 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

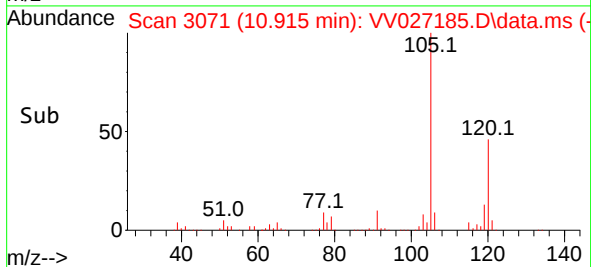
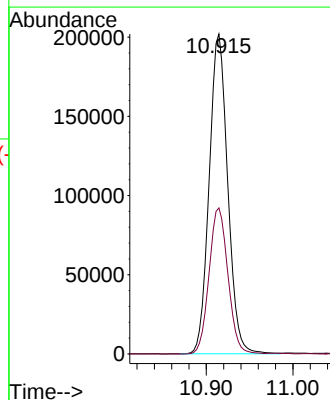
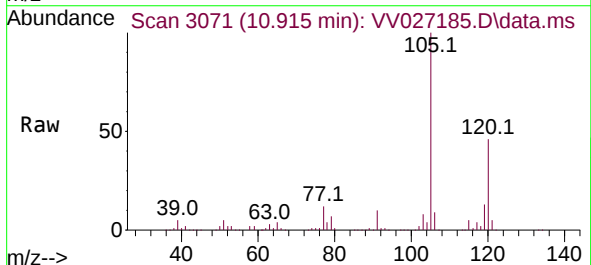
Instrument :
MSVOA_V
ClientSampleId :
VSTD050325

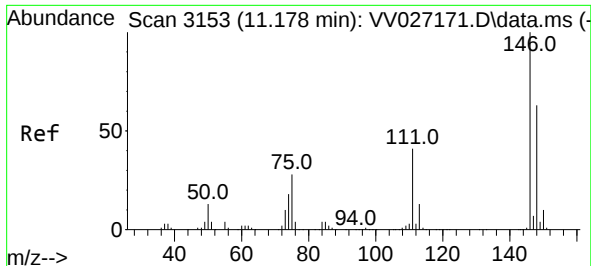
Tgt Ion:105 Resp: 370984
Ion Ratio Lower Upper
105 100
120 49.1 39.6 59.4



#63
1,2,4-Trimethylbenzene
Concen: 46.460 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion:105 Resp: 300393
Ion Ratio Lower Upper
105 100
120 46.5 36.5 54.7

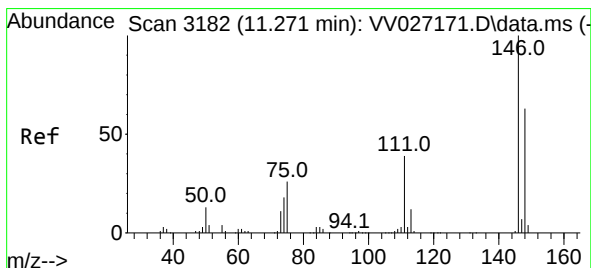
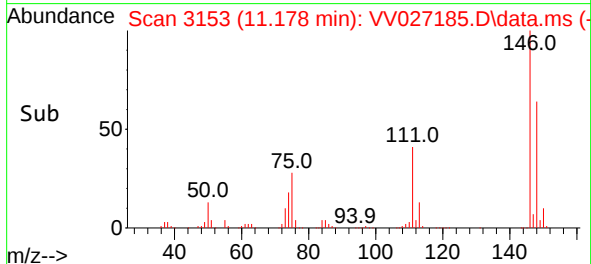
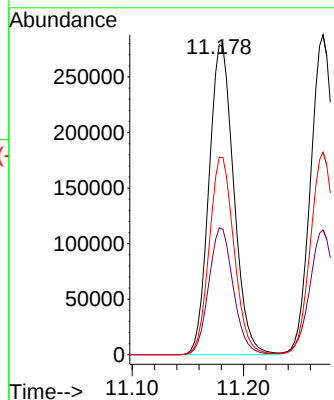
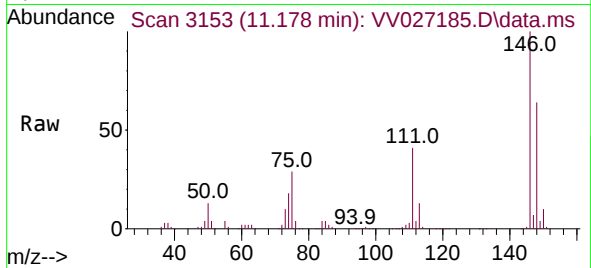




#64
1,3-Dichlorobenzene
Concen: 47.694 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

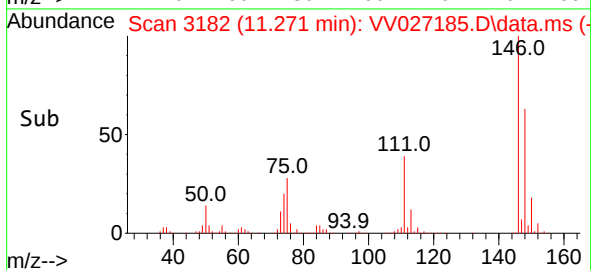
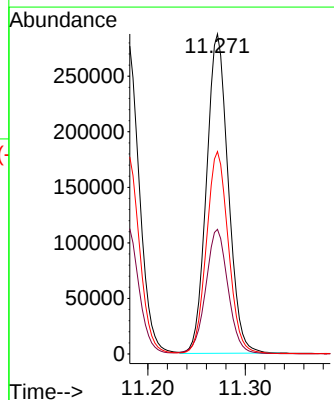
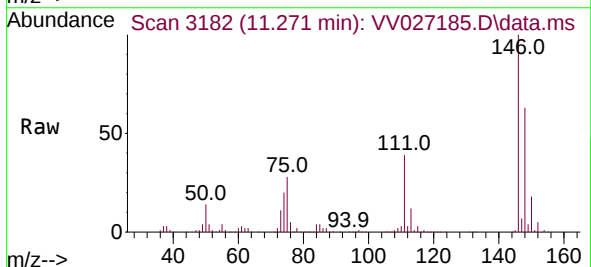
Instrument :
MSVOA_V
ClientSampleId :
VSTD050325

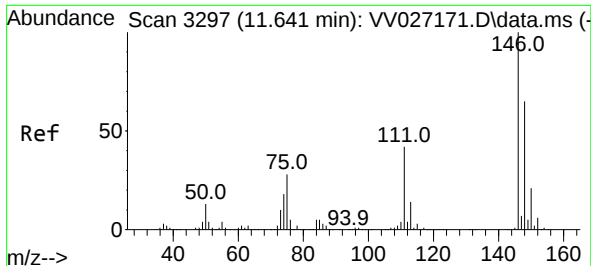
Tgt Ion:146 Resp: 434275
Ion Ratio Lower Upper
146 100
111 40.9 28.6 53.2
148 63.6 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 46.334 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion:146 Resp: 445062
Ion Ratio Lower Upper
146 100
111 39.0 27.2 50.4
148 63.2 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 48.479 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.000 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD050325

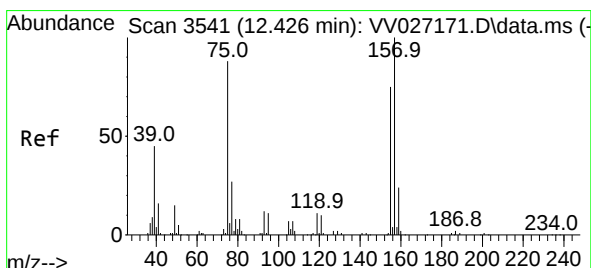
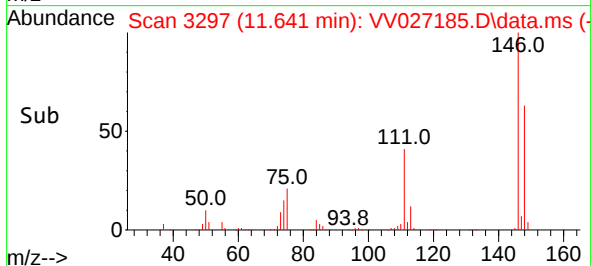
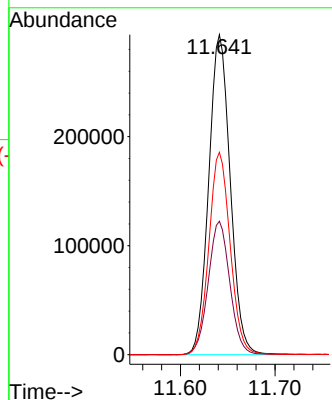
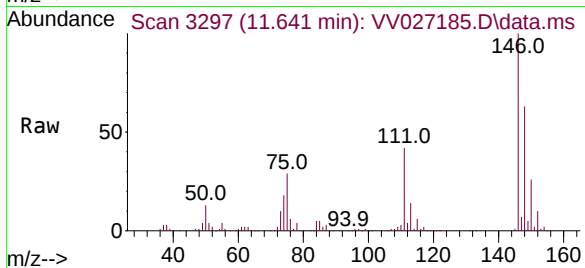
Tgt Ion:146 Resp: 463544

Ion Ratio Lower Upper

146 100

111 41.7 32.8 49.2

148 63.2 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 50.914 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

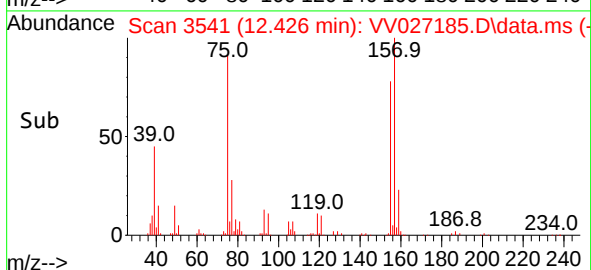
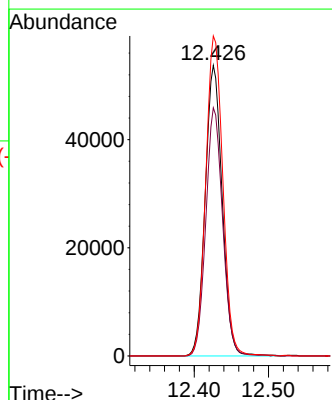
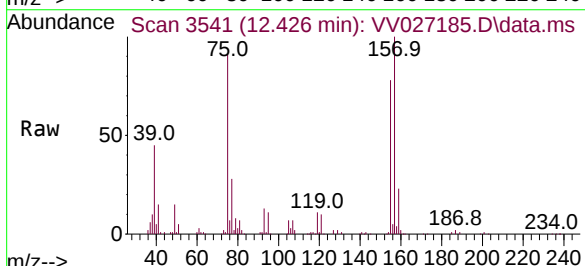
Tgt Ion: 75 Resp: 85153

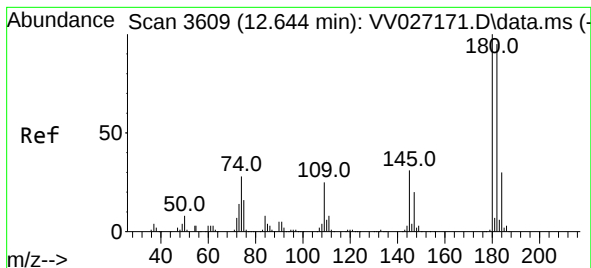
Ion Ratio Lower Upper

75 100

155 85.4 69.6 104.4

157 110.1 88.1 132.1





#69

1,3,5-Trichlorobenzene

Concen: 45.777 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.000 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD050325

Tgt Ion:180 Resp: 295719

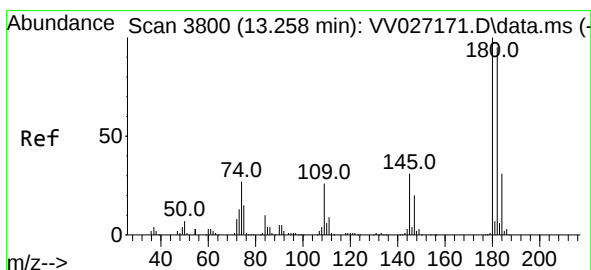
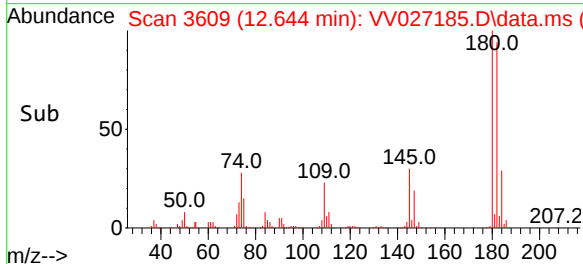
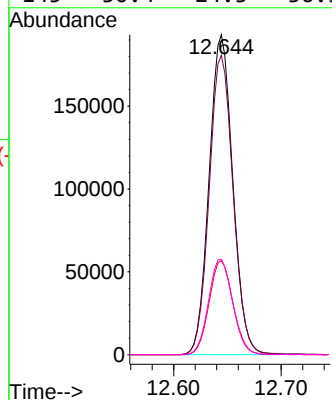
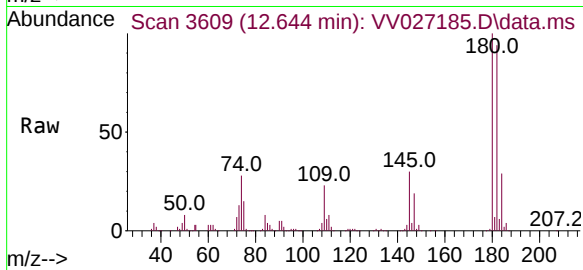
Ion Ratio Lower Upper

180 100

182 94.4 75.3 112.9

184 29.6 24.3 36.5

145 30.4 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 46.759 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.003 min

Lab File: VV027185.D

Acq: 02 Aug 2022 21:03

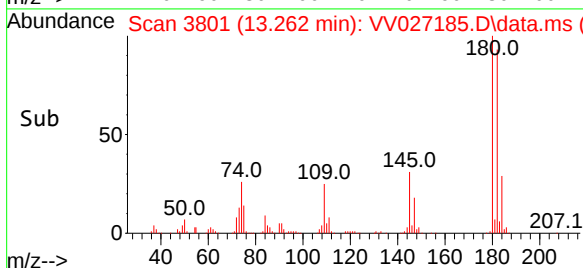
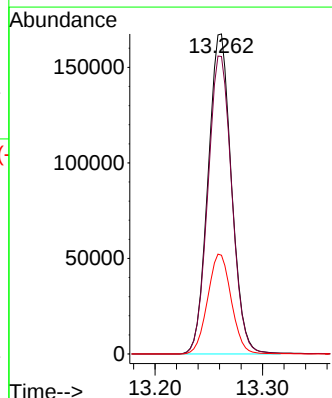
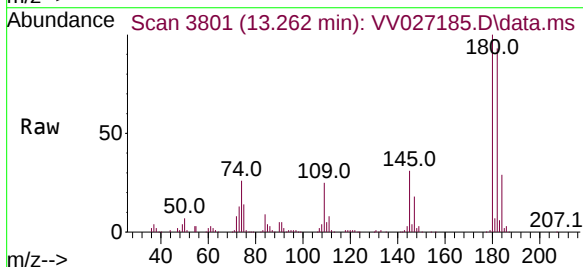
Tgt Ion:180 Resp: 253626

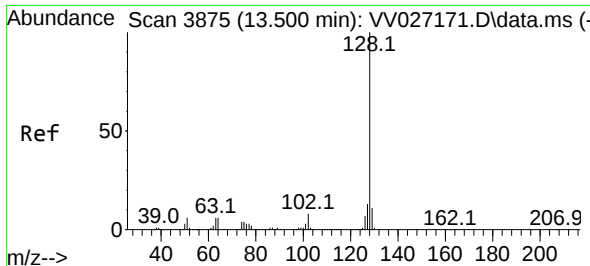
Ion Ratio Lower Upper

180 100

182 95.0 75.2 112.8

145 31.4 24.7 37.1

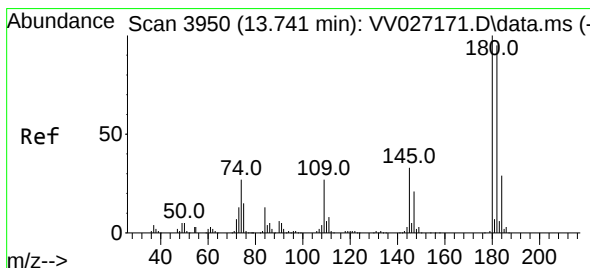
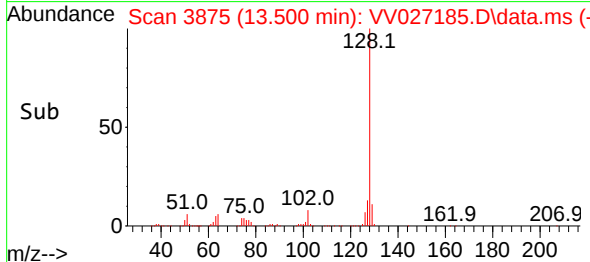
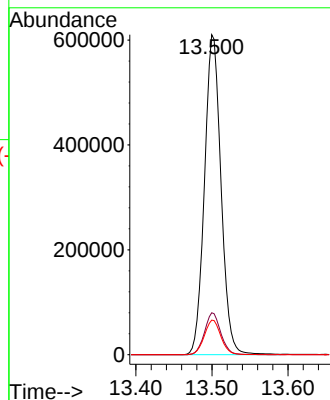
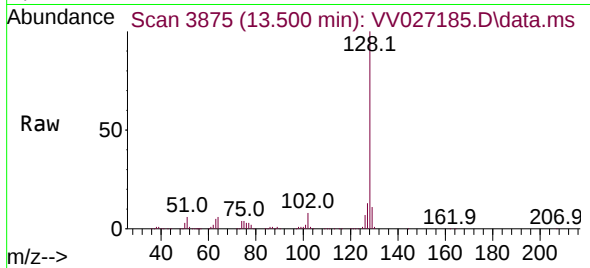




#71
Naphthalene
Concen: 51.743 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD050325

Tgt Ion:128 Resp: 921943
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 49.645 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. 0.000 min
Lab File: VV027185.D
Acq: 02 Aug 2022 21:03

Tgt Ion:180 Resp: 294472
Ion Ratio Lower Upper
180 100
182 95.1 76.3 114.5
145 33.8 26.8 40.2

