

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW080322\
 Data File : VW027187.D
 Acq On : 03 Aug 2022 10:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050326

Quant Time: Aug 04 02:54:00 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	5.606	114	599910	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	592852	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	334130	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	159832	41.110	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.220%
7) Chloroethane-d5	1.558	69	135313	46.509	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.020%
11) 1,1-Dichloroethene-d2	2.101	63	320066	43.232	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.460%
21) 2-Butanone-d5	3.867	46	233069	91.052	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.050%
24) Chloroform-d	4.336	84	358786	45.654	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.300%
26) 1,2-Dichloroethane-d4	5.021	65	202577	45.432	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.860%
32) Benzene-d6	5.037	84	699360	44.580	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.160%
36) 1,2-Dichloropropane-d6	6.060	67	213853	44.067	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.140%
41) Toluene-d8	7.307	98	646927	45.742	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.480%
43) trans-1,3-Dichloroprop...	7.616	79	97277	45.673	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.340%
47) 2-Hexanone-d5	8.082	63	181998	97.141	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.140%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	339122	46.748	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.500%
66) 1,2-Dichlorobenzene-d4	11.622	152	257595	43.867	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	276273	48.128	ug/L	98
3) Chloromethane	1.237	50	240834	44.245	ug/L	99
5) Vinyl chloride	1.304	62	261164	46.094	ug/L	100
6) Bromomethane	1.513	94	137630	46.840	ug/L	99
8) Chloroethane	1.577	64	154837	51.005	ug/L	99
9) Trichlorofluoromethane	1.745	101	348235	46.649	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	209589	48.955	ug/L	99
12) 1,1-Dichloroethene	2.111	96	191482	46.030	ug/L	93
13) Acetone	2.159	43	181737	84.080	ug/L	97
14) Carbon disulfide	2.285	76	566478	45.724	ug/L	100
15) Methyl Acetate	2.420	43	207607	44.149	ug/L	99
16) Methylene chloride	2.497	84	236797	44.908	ug/L	97
17) trans-1,2-Dichloroethene	2.751	96	208200	47.020	ug/L	96
18) Methyl tert-butyl Ether	2.757	73	605967	47.639	ug/L	100
19) 1,1-Dichloroethane	3.179	63	373175	46.024	ug/L	99
20) cis-1,2-Dichloroethene	3.899	96	226116	48.108	ug/L	98
22) 2-Butanone	3.947	43	274801	92.261	ug/L	98
23) Bromochloromethane	4.233	128	126692	47.442	ug/L	98
25) Chloroform	4.362	83	400649	46.931	ug/L	99

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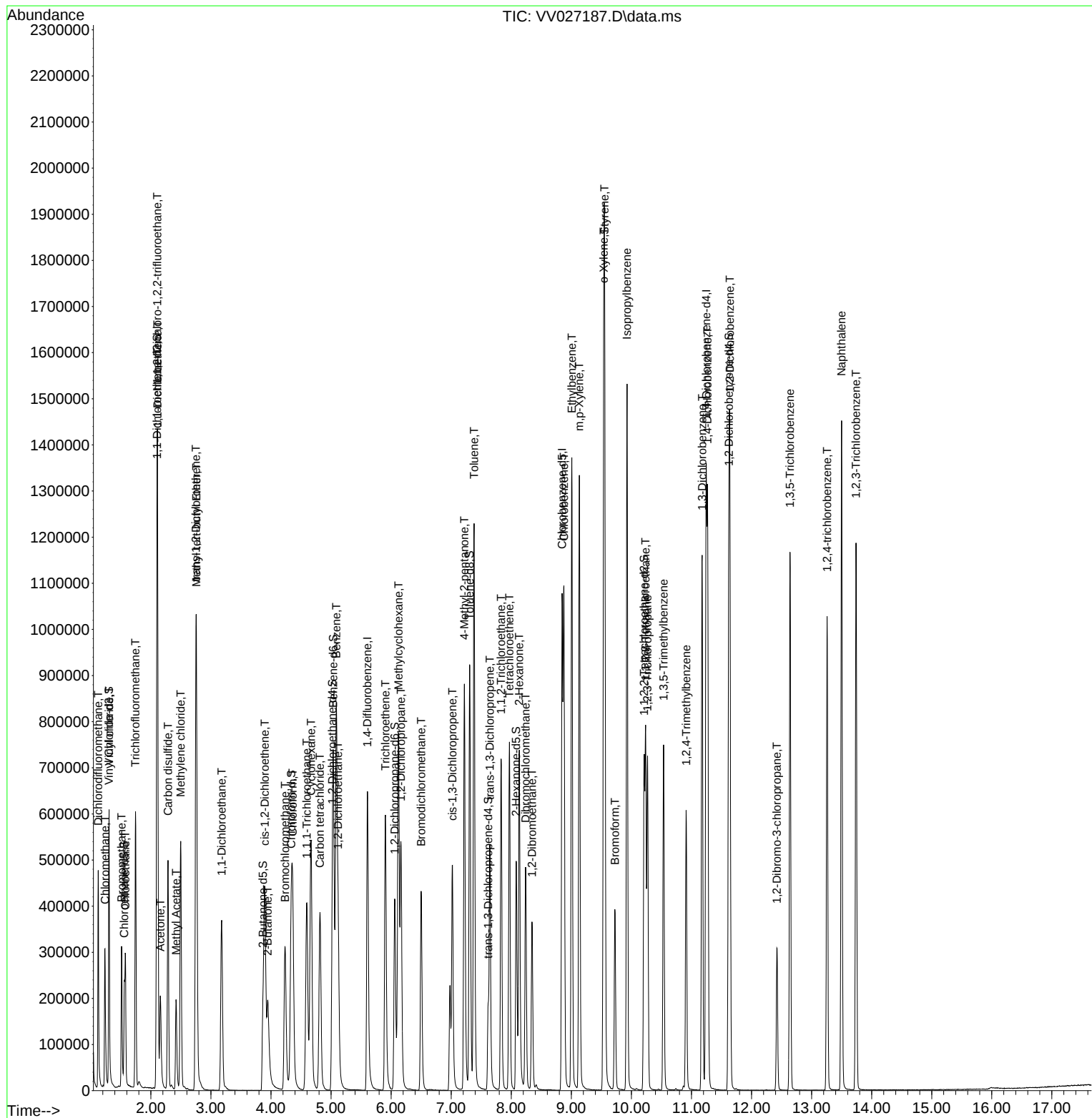
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.117	62	276910	46.848	ug/L	100
29) Cyclohexane	4.667	56	282916	47.135	ug/L	99
30) 1,1,1-Trichloroethane	4.597	97	348044	46.817	ug/L	98
31) Carbon tetrachloride	4.815	117	306475	47.943	ug/L	100
33) Benzene	5.088	78	874415	48.090	ug/L	100
34) Trichloroethene	5.905	95	221505	47.370	ug/L	97
35) Methylcyclohexane	6.124	83	339294	48.890	ug/L	99
37) 1,2-Dichloropropane	6.166	63	228355	47.838	ug/L	99
38) Bromodichloromethane	6.500	83	299823	47.418	ug/L	100
39) cis-1,3-Dichloropropene	7.021	75	319800	47.756	ug/L	98
40) 4-Methyl-2-pentanone	7.220	43	543530	96.341	ug/L	99
42) Toluene	7.381	91	930945	49.629	ug/L	100
44) trans-1,3-Dichloropropene	7.645	75	316081	49.126	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	233853	46.603	ug/L	99
46) Tetrachloroethene	7.969	164	175707	49.217	ug/L	98
48) 2-Hexanone	8.133	43	432005	98.487	ug/L	99
49) Dibromochloromethane	8.239	129	253315	48.630	ug/L	100
50) 1,2-Dibromoethane	8.346	107	245445	47.246	ug/L	100
51) Chlorobenzene	8.876	112	615158	47.389	ug/L	98
52) Ethylbenzene	9.008	91	957875	49.827	ug/L	99
53) m,p-Xylene	9.133	106	390919	51.839	ug/L	99
54) o-Xylene	9.538	106	370970	50.254	ug/L	98
55) Styrene	9.555	104	685345	53.418	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.236	83	377204	46.358	ug/L	99
59) Bromoform	9.725	173	176506	45.756	ug/L	99
60) Isopropylbenzene	9.928	105	973214	47.469	ug/L	100
61) 1,2,3-Trichloropropane	10.268	75	295998	42.669	ug/L	99
62) 1,3,5-Trimethylbenzene	10.535	105	407302	45.866	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	331903	46.259	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	486046	48.103	ug/L	98
65) 1,4-Dichlorobenzene	11.268	146	506206	47.490	ug/L	99
67) 1,2-Dichlorobenzene	11.638	146	494727	46.626	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.423	75	78185	42.127	ug/L	98
69) 1,3,5-Trichlorobenzene	12.641	180	353497	49.312	ug/L	100
70) 1,2,4-trichlorobenzene	13.259	180	310887	51.650	ug/L	99
71) Naphthalene	13.500	128	1111793	56.230	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	351393	53.385	ug/L	99

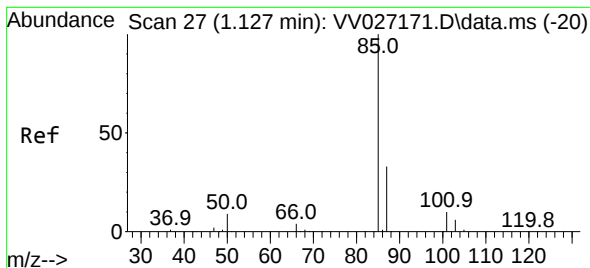
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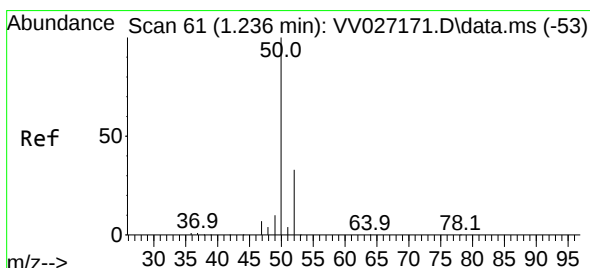
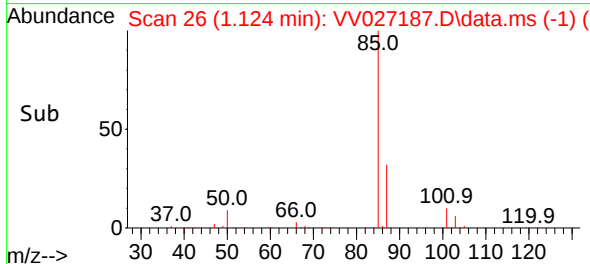
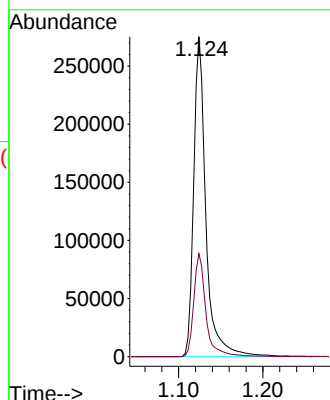
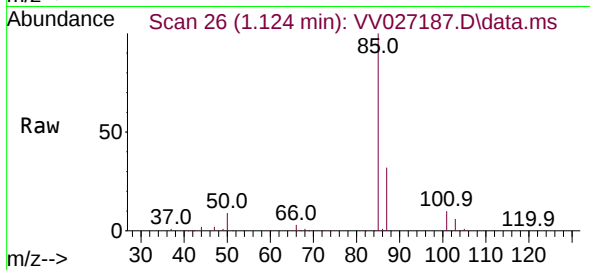




#2
 Dichlorodifluoromethane
 Concen: 48.128 ug/L
 RT: 1.124 min Scan# 27
 Delta R.T. -0.003 min
 Lab File: VV027187.D
 Acq: 03 Aug 2022 10:48

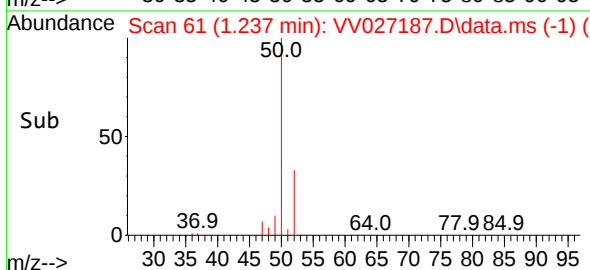
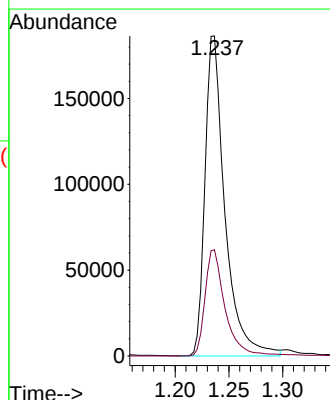
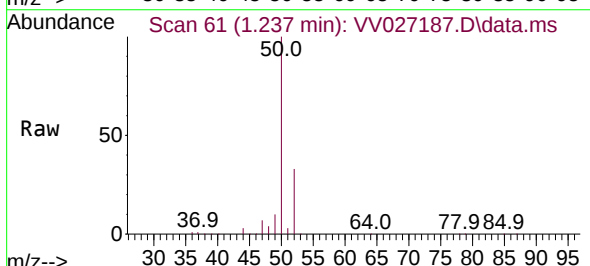
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050326

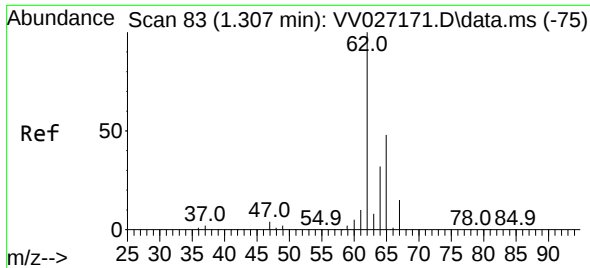
Tgt Ion: 85 Resp: 276273
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.3 39.5



#3
 Chloromethane
 Concen: 44.245 ug/L
 RT: 1.237 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VV027187.D
 Acq: 03 Aug 2022 10:48

Tgt Ion: 50 Resp: 240834
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.7 43.9

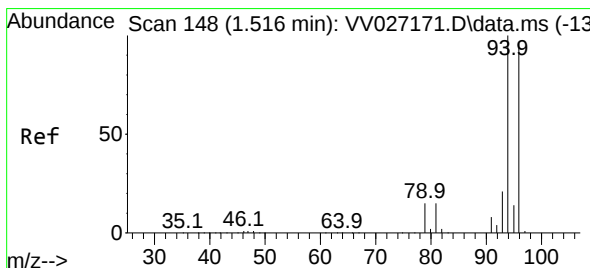
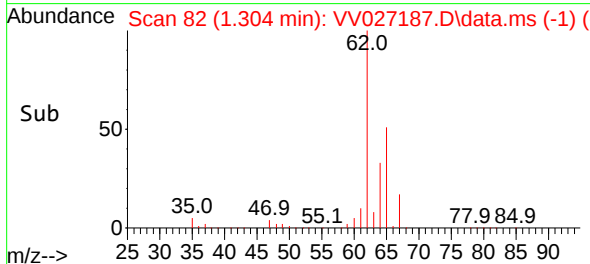
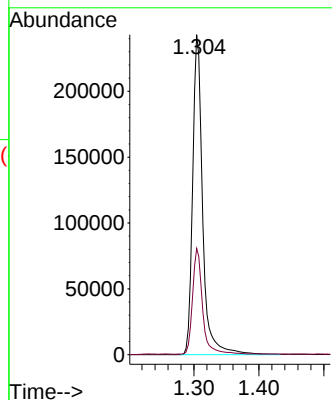
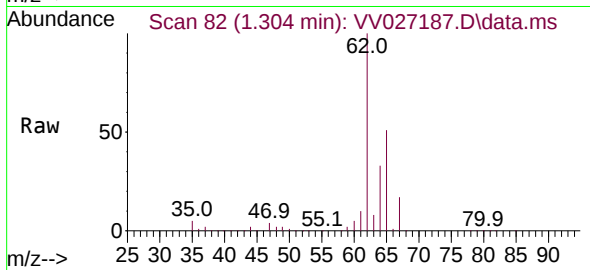




#5
 Vinyl chloride
 Concen: 46.094 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV027187.D
 Acq: 03 Aug 2022 10:48

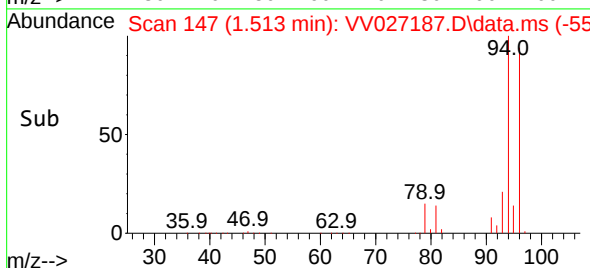
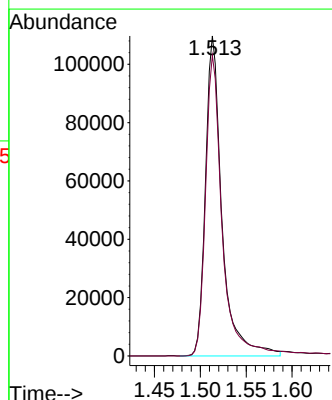
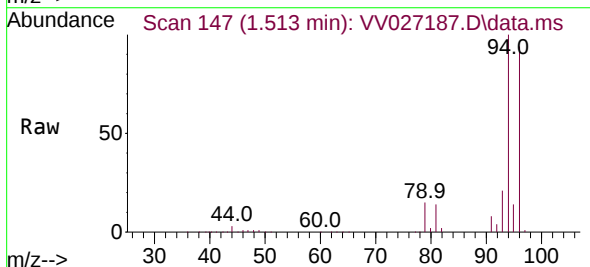
Instrument :
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 ClientSampleId :
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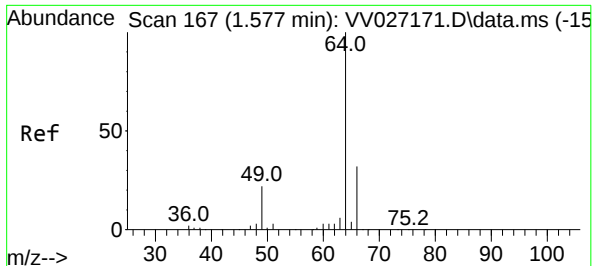
Tgt Ion: 62 Resp: 261164
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.1 42.9



#6
 Bromomethane
 Concen: 46.840 ug/L
 RT: 1.513 min Scan# 147
 Delta R.T. -0.003 min
 Lab File: VV027187.D
 Acq: 03 Aug 2022 10:48

Tgt Ion: 94 Resp: 137630
 Ion Ratio Lower Upper
 94 100
 96 93.9 66.6 123.6

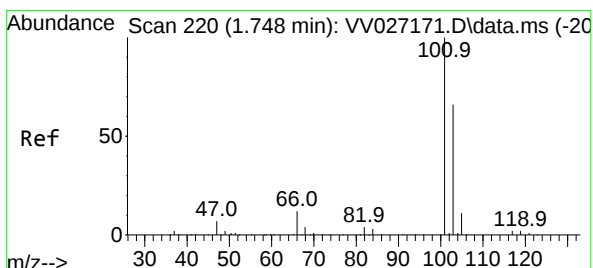
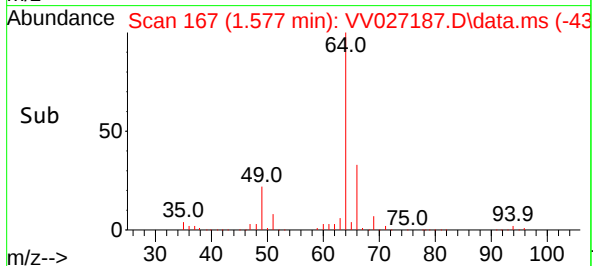
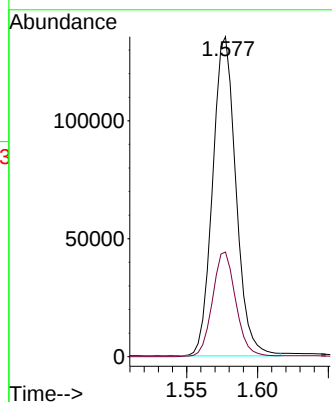
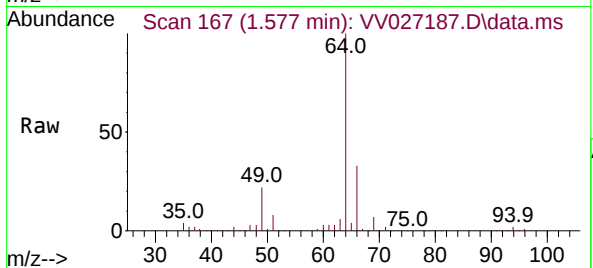




#8
Chloroethane
Concen: 51.005 ug/L
RT: 1.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

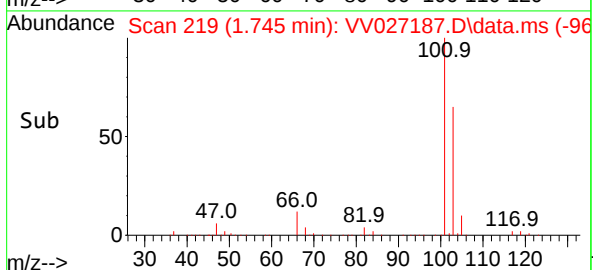
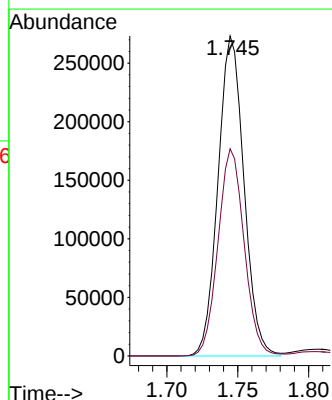
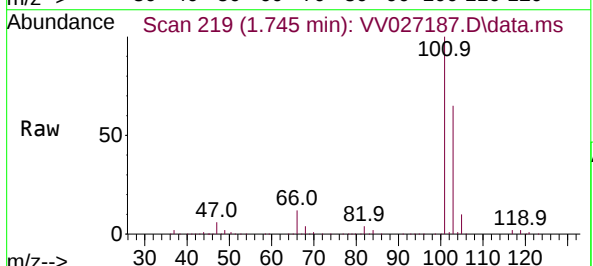
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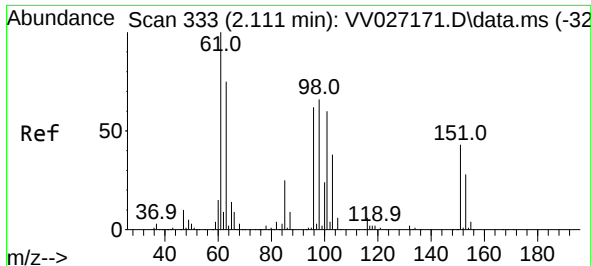
Tgt Ion: 64 Resp: 154837
Ion Ratio Lower Upper
64 100
66 32.7 22.6 42.0



#9
Trichlorofluoromethane
Concen: 46.649 ug/L
RT: 1.745 min Scan# 219
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

Tgt Ion:101 Resp: 348235
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.8

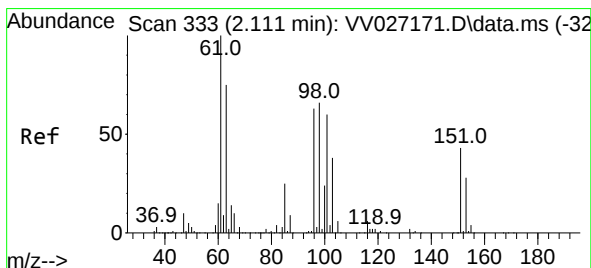
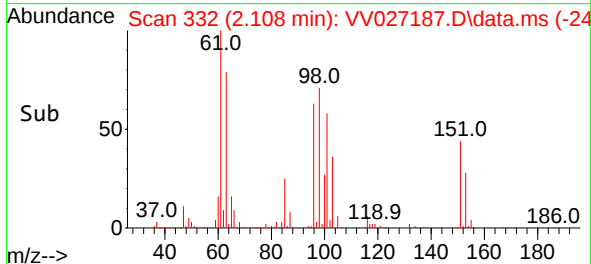
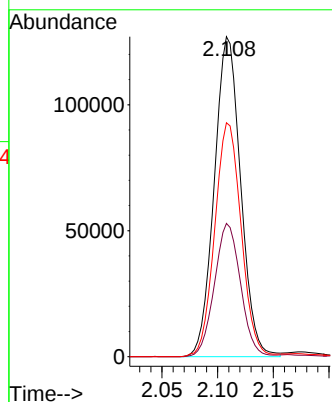
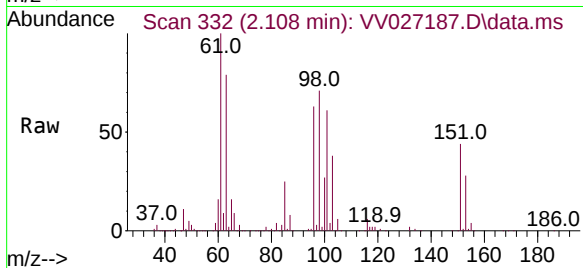




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.955 ug/L
RT: 2.108 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV027187.D
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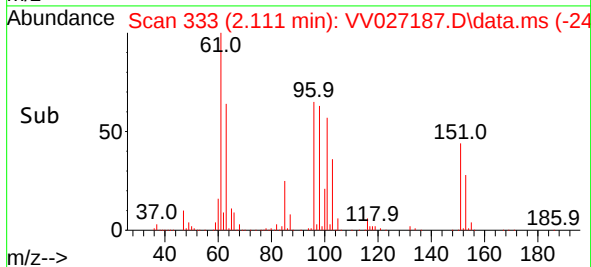
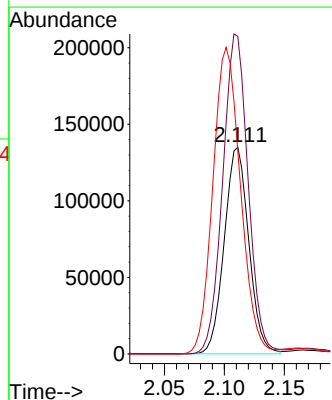
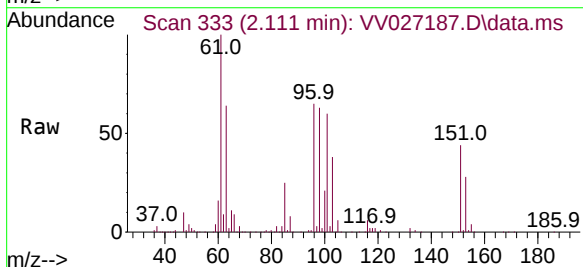
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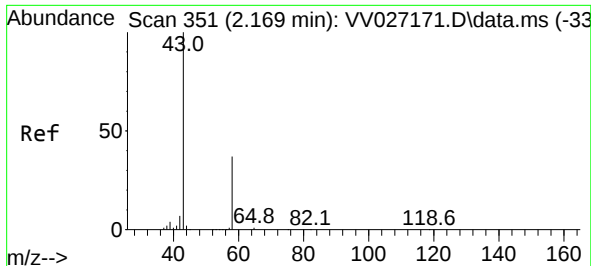
Tgt Ion:101 Resp: 209589
Ion Ratio Lower Upper
101 100
85 41.1 33.9 50.9
151 73.0 58.4 87.6



#12
1,1-Dichloroethene
Concen: 46.030 ug/L
RT: 2.111 min Scan# 333
Delta R.T. 0.000 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

Tgt Ion: 96 Resp: 191482
Ion Ratio Lower Upper
96 100
61 153.5 110.7 205.5
63 98.1 78.4 145.6





#13

Acetone

Concen: 84.080 ug/L

RT: 2.159 min Scan# 34

Delta R.T. -0.009 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Instrument :

MSVOA_V

ClientSampleId :

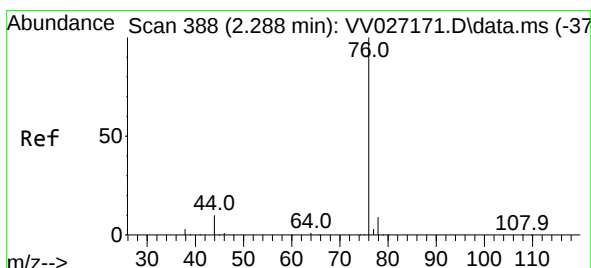
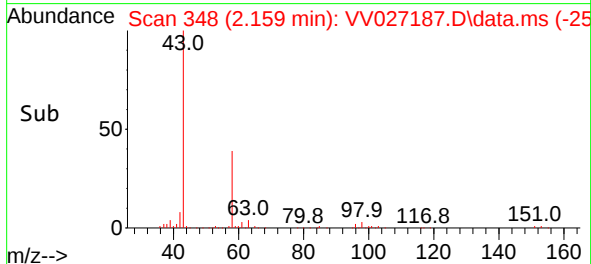
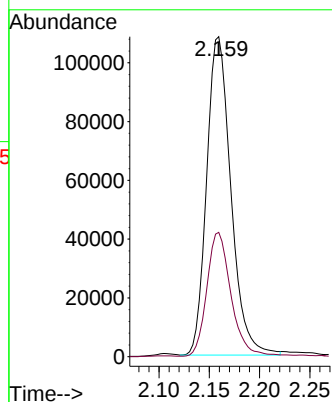
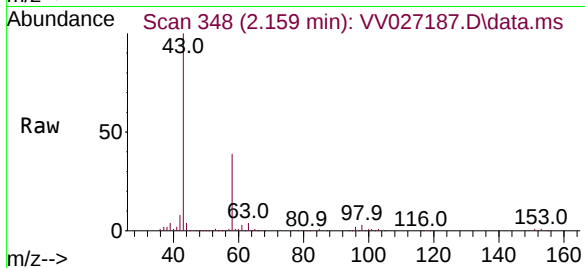
VSTD050326

Tgt Ion: 43 Resp: 181737

Ion Ratio Lower Upper

43 100

58 38.6 0.0 73.6



#14

Carbon disulfide

Concen: 45.724 ug/L

RT: 2.285 min Scan# 387

Delta R.T. -0.003 min

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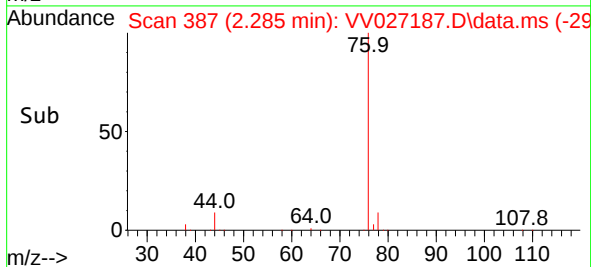
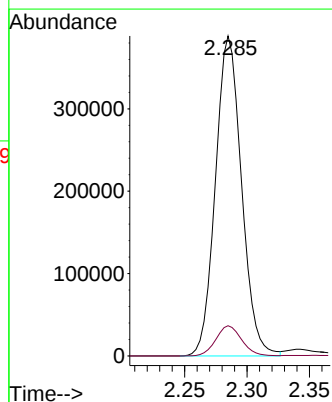
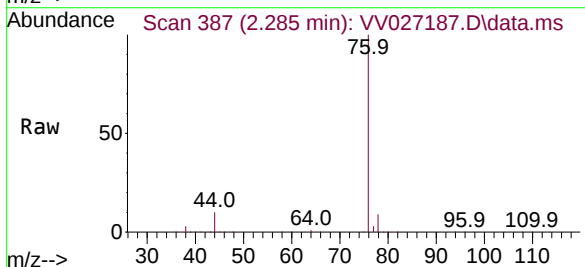
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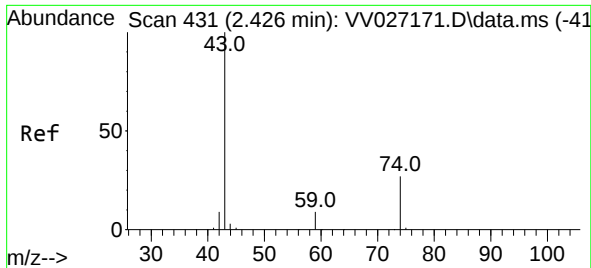
Tgt Ion: 76 Resp: 566478

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

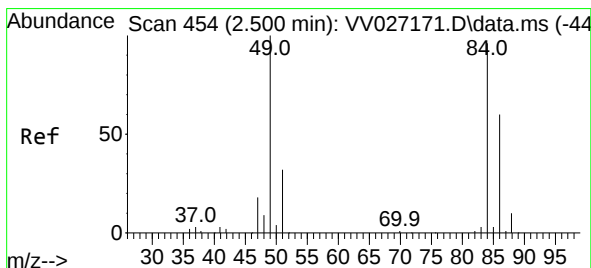
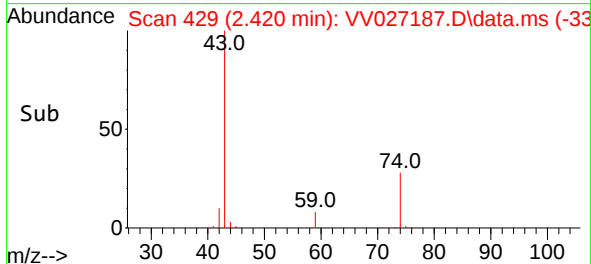
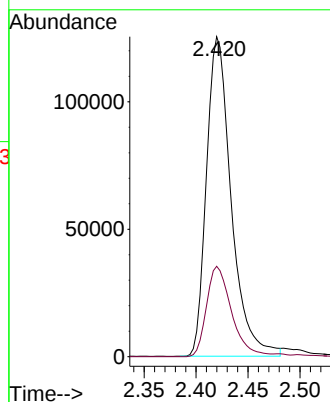
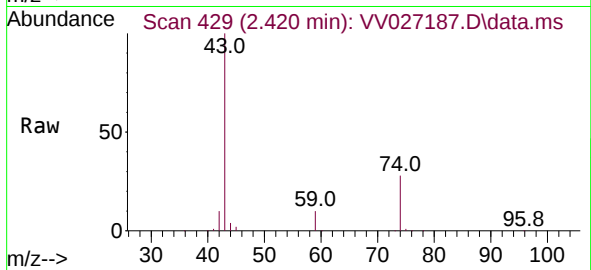




#15
Methyl Acetate
Concen: 44.149 ug/L
RT: 2.420 min Scan# 431
Delta R.T. -0.006 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

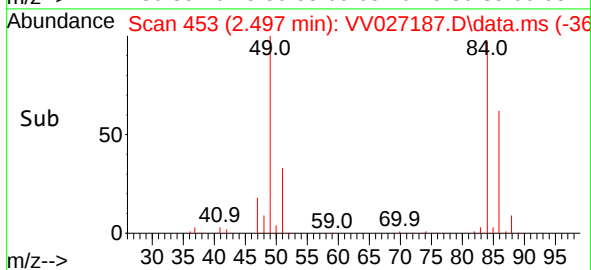
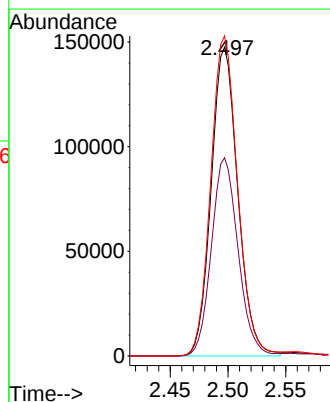
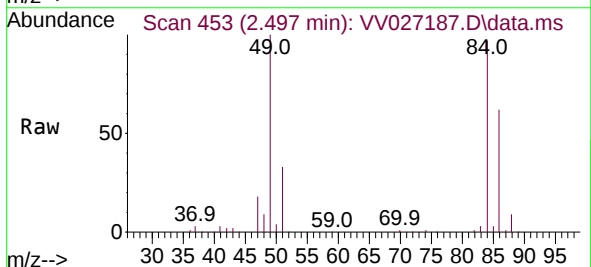
Instrument :
MSVOA_V
ClientSampleId :
VSTD050326

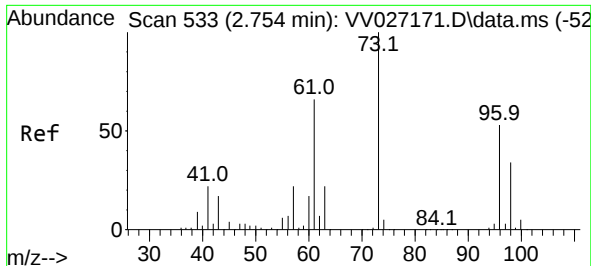
Tgt Ion: 43 Resp: 207607
Ion Ratio Lower Upper
43 100
74 28.5 22.4 33.6



#16
Methylene chloride
Concen: 44.908 ug/L
RT: 2.497 min Scan# 453
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

Tgt Ion: 84 Resp: 236797
Ion Ratio Lower Upper
84 100
86 64.2 45.3 84.1
49 103.6 76.0 141.2

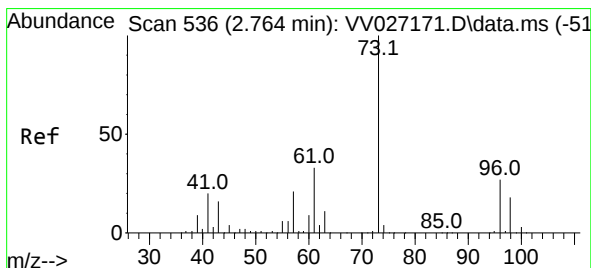
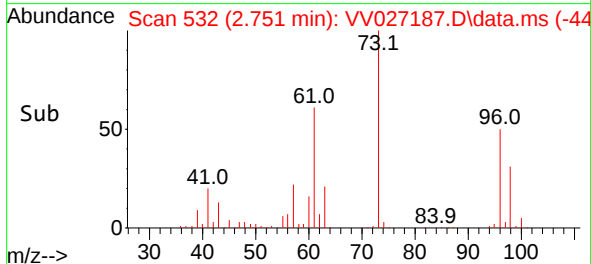
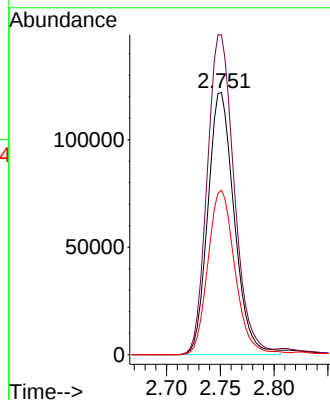
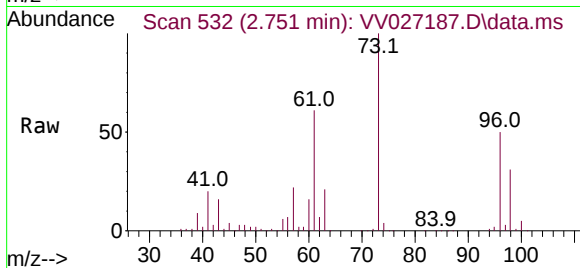




#17
trans-1,2-Dichloroethene
Concen: 47.020 ug/L
RT: 2.751 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

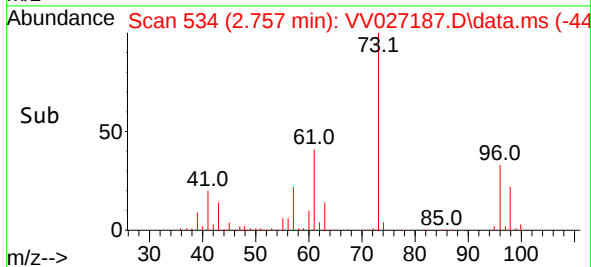
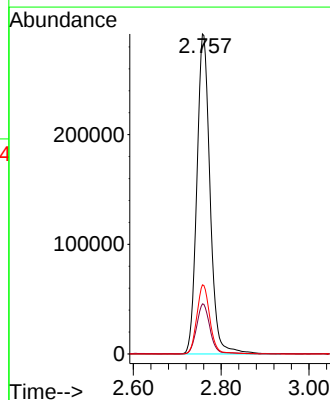
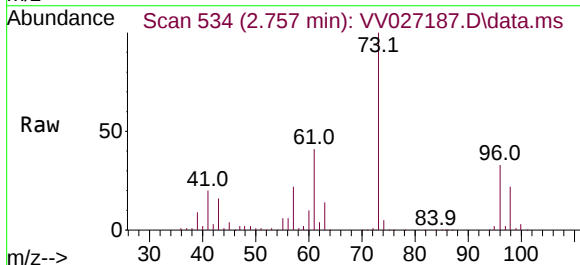
Instrument :
MSVOA_V
ClientSampleId :
VSTD050326

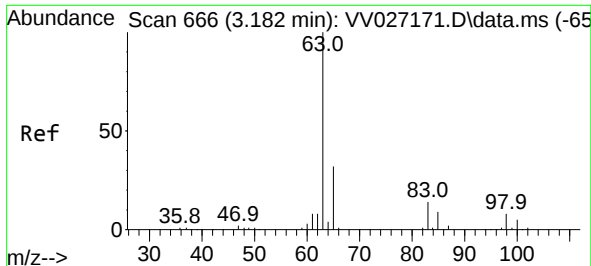
Tgt Ion: 96 Resp: 208200
Ion Ratio Lower Upper
96 100
61 121.9 89.2 165.6
98 62.7 43.3 80.3



#18
Methyl tert-butyl Ether
Concen: 47.639 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.006 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

Tgt Ion: 73 Resp: 605967
Ion Ratio Lower Upper
73 100
43 15.5 12.6 18.8
57 21.5 17.2 25.8





#19

1,1-Dichloroethane

Concen: 46.024 ug/L

RT: 3.179 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD050326

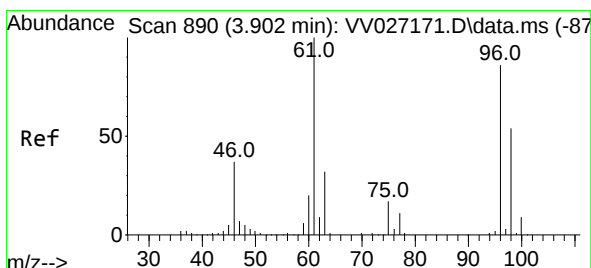
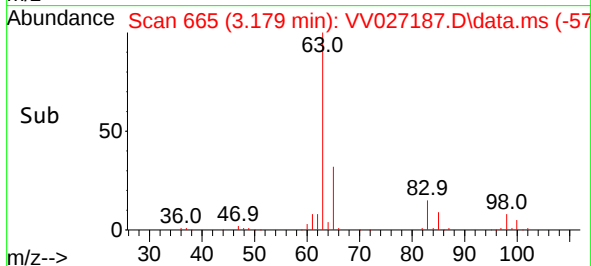
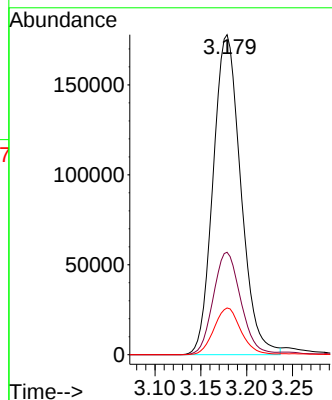
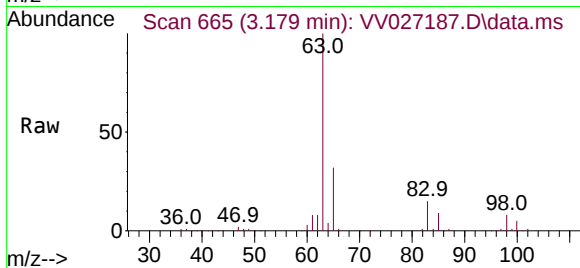
Tgt Ion: 63 Resp: 373175

Ion Ratio Lower Upper

63 100

65 32.0 22.9 42.5

83 14.6 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 48.108 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

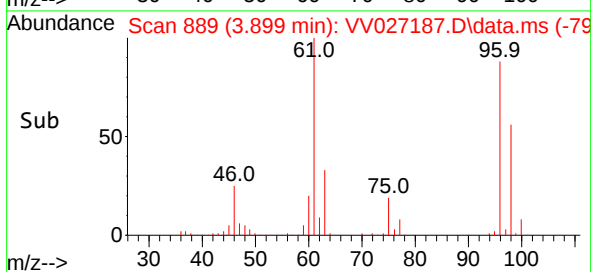
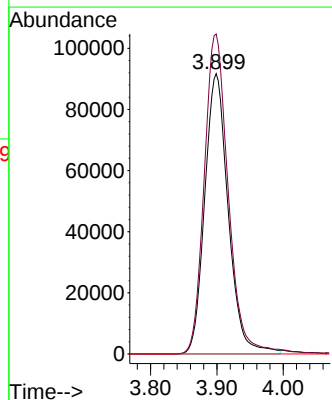
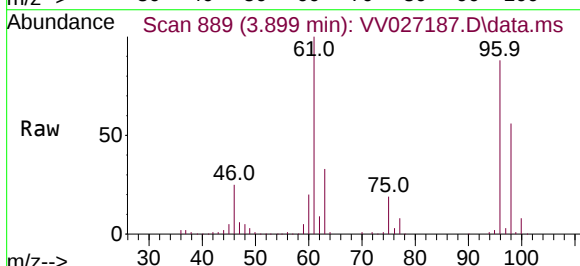
Tgt Ion: 96 Resp: 226116

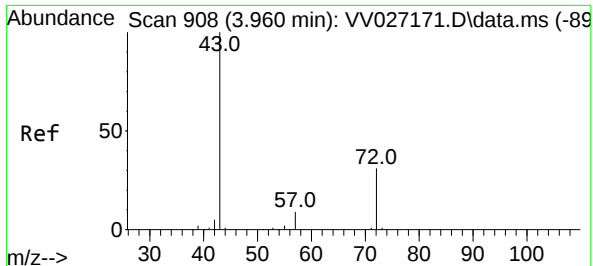
Ion Ratio Lower Upper

96 100

61 114.2 81.7 151.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 92.261 ug/L

RT: 3.947 min Scan# 908

Delta R.T. -0.013 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Instrument :

MSVOA_V

ClientSampleId :

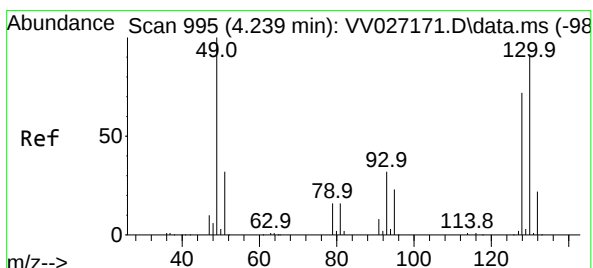
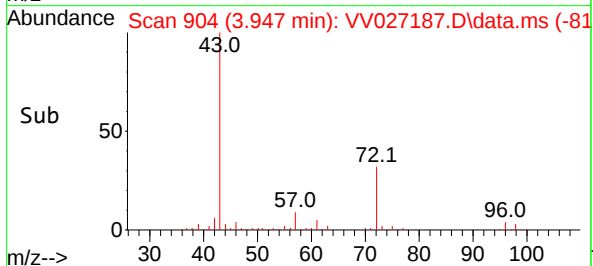
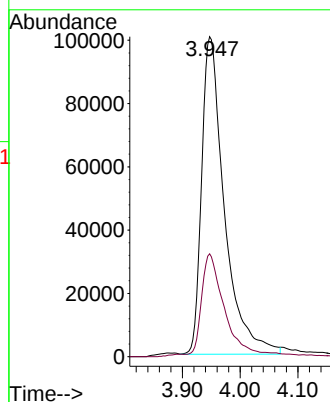
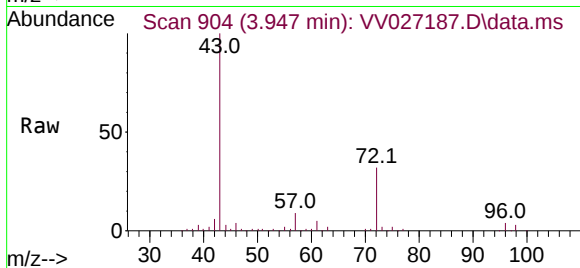
VSTD050326

Tgt Ion: 43 Resp: 274801

Ion Ratio Lower Upper

43 100

72 30.6 15.7 47.1



#23

Bromochloromethane

Concen: 47.442 ug/L

RT: 4.233 min Scan# 993

Delta R.T. -0.006 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Tgt Ion:128 Resp: 126692

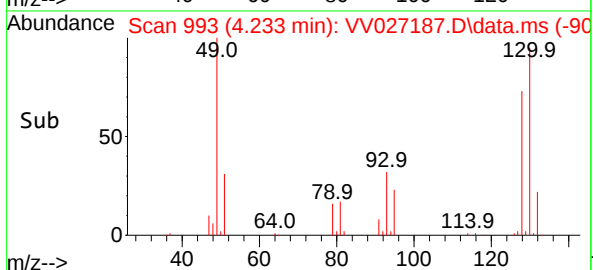
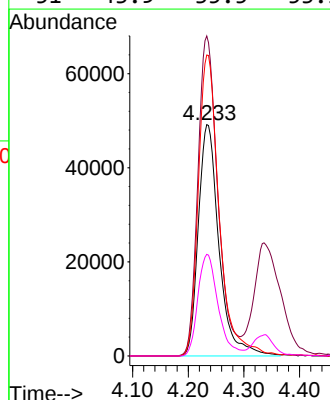
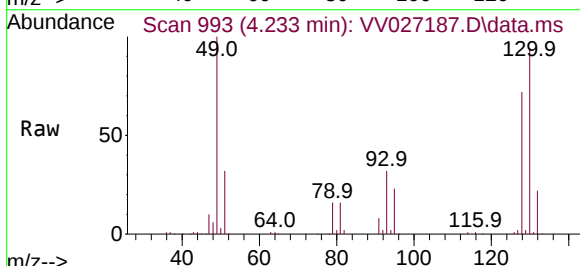
Ion Ratio Lower Upper

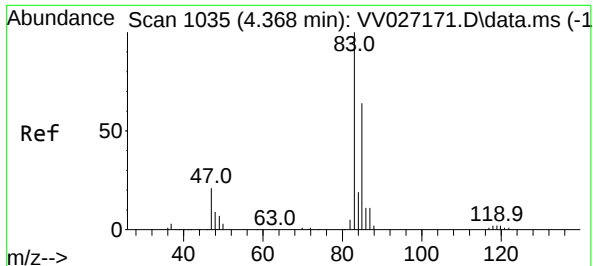
128 100

49 138.3 98.6 183.2

130 130.0 89.7 166.5

51 43.9 35.5 53.3





#25

Chloroform

Concen: 46.931 ug/L

RT: 4.362 min Scan# 1

Delta R.T. -0.006 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Instrument :

MSVOA_V

ClientSampleId :

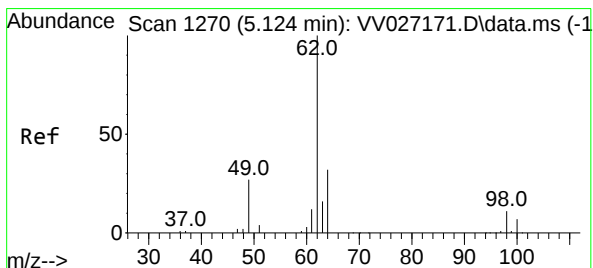
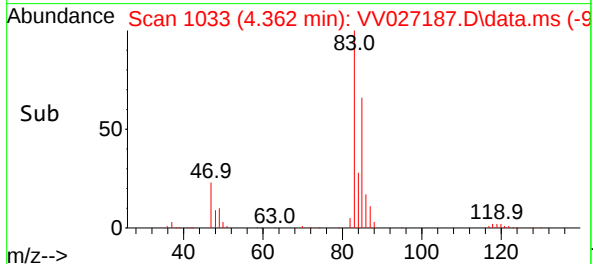
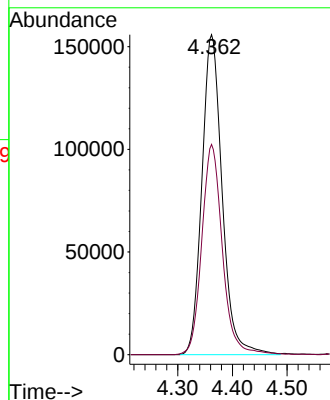
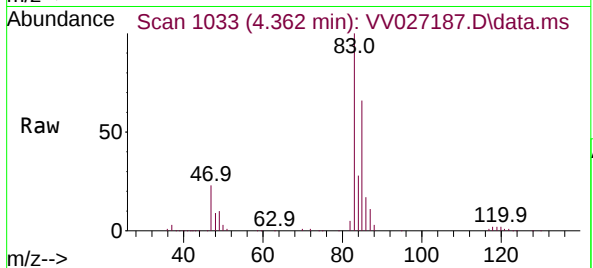
VSTD050326

Tgt Ion: 83 Resp: 400649

Ion Ratio Lower Upper

83 100

85 65.7 45.3 84.1



#27

1,2-Dichloroethane

Concen: 46.848 ug/L

RT: 5.117 min Scan# 1268

Delta R.T. -0.006 min

Lab File: VV027187.D

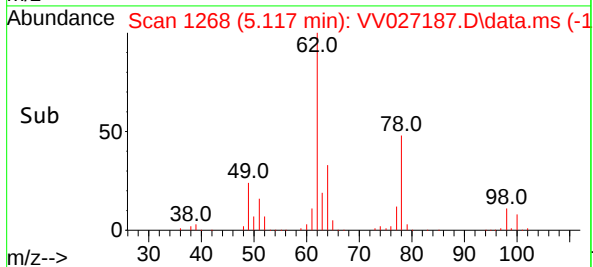
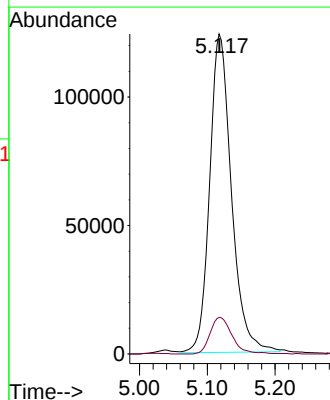
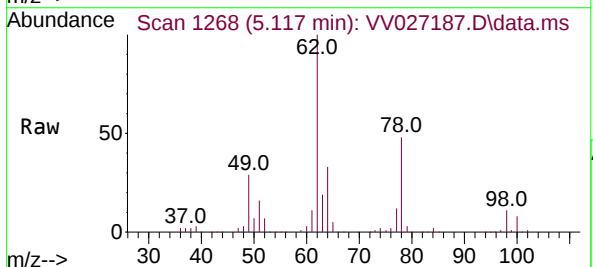
Acq: 03 Aug 2022 10:48

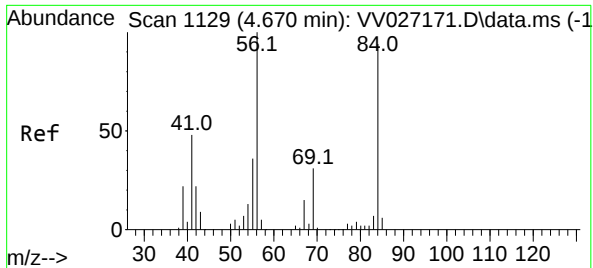
Tgt Ion: 62 Resp: 276910

Ion Ratio Lower Upper

62 100

98 11.4 9.2 13.8





#29

Cyclohexane

Concen: 47.135 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD050326

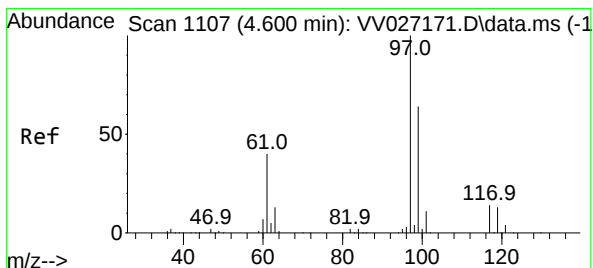
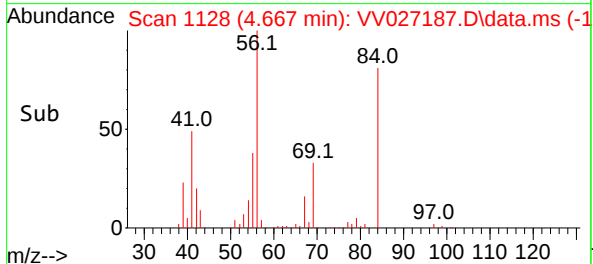
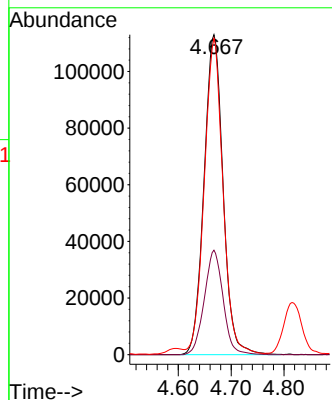
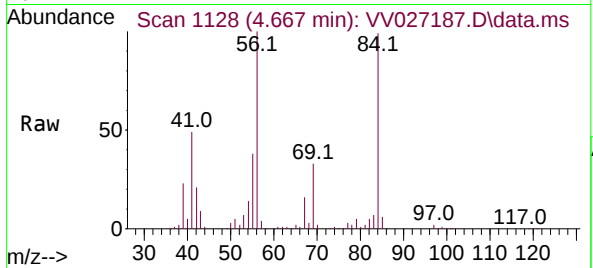
Tgt Ion: 56 Resp: 282916

Ion Ratio Lower Upper

56 100

69 32.2 26.1 39.1

84 96.0 77.3 115.9



#30

1,1,1-Trichloroethane

Concen: 46.817 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

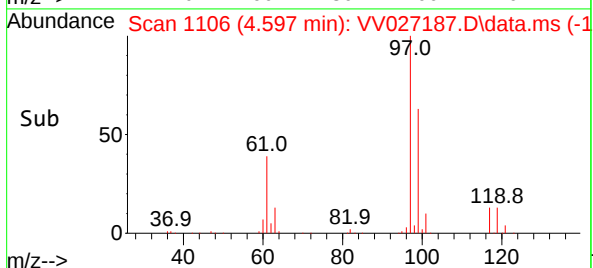
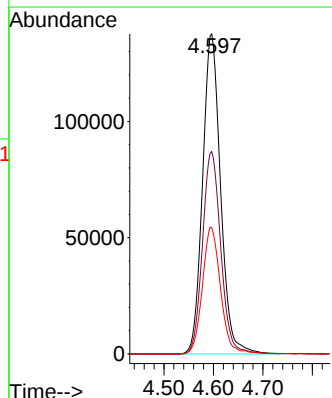
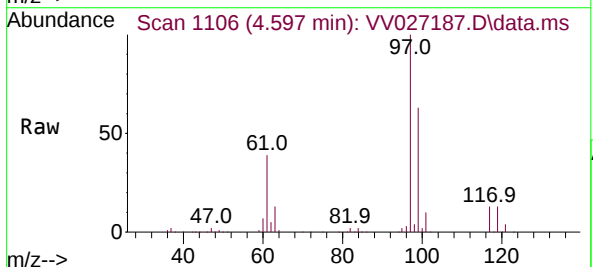
Tgt Ion: 97 Resp: 348044

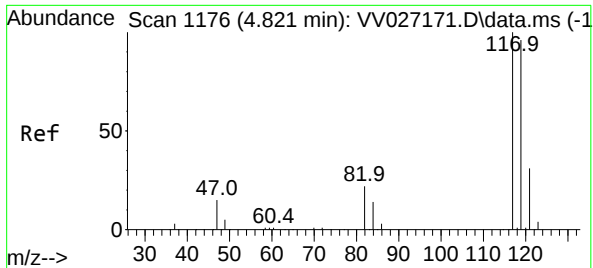
Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.8

61 39.2 32.7 49.1

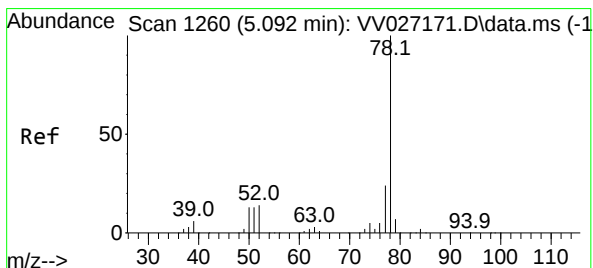
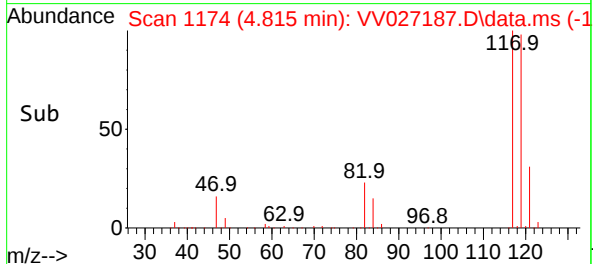
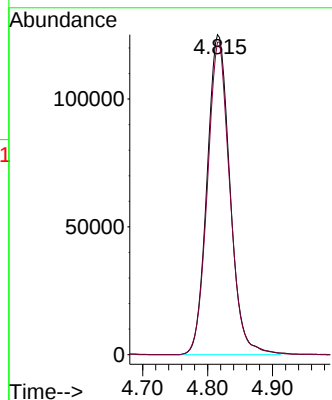
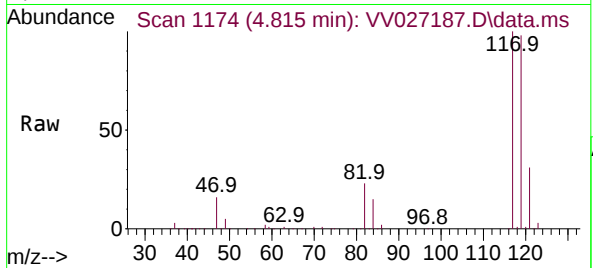




#31
Carbon tetrachloride
Concen: 47.943 ug/L
RT: 4.815 min Scan# 1176
Delta R.T. -0.006 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

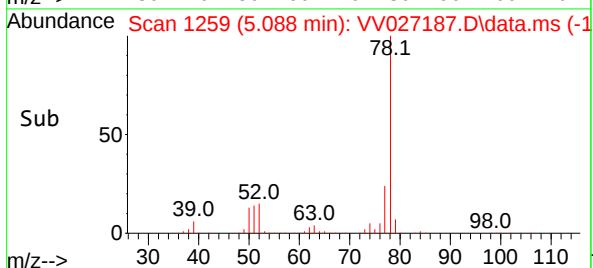
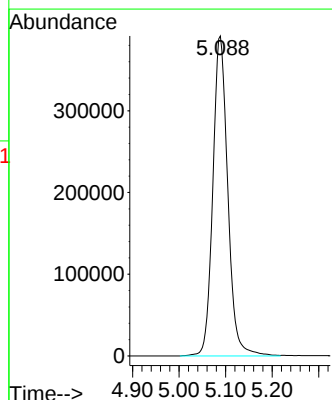
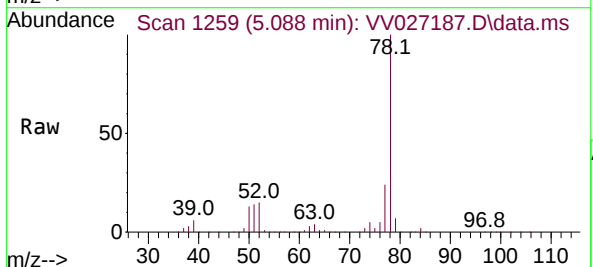
Instrument :
MSVOA_V
ClientSampleId :
VSTD050326

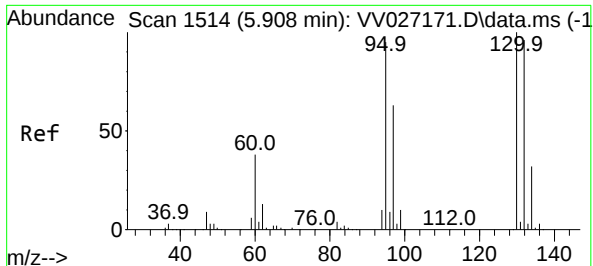
Tgt Ion:117 Resp: 306475
Ion Ratio Lower Upper
117 100
119 96.5 77.1 115.7



#33
Benzene
Concen: 48.090 ug/L
RT: 5.088 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

Tgt Ion: 78 Resp: 874415

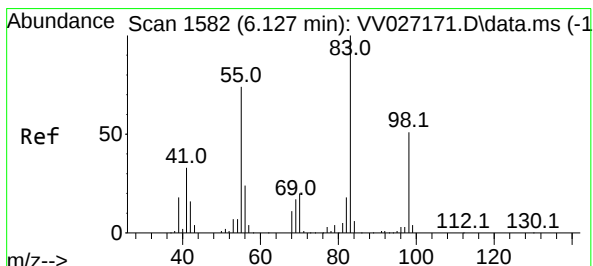
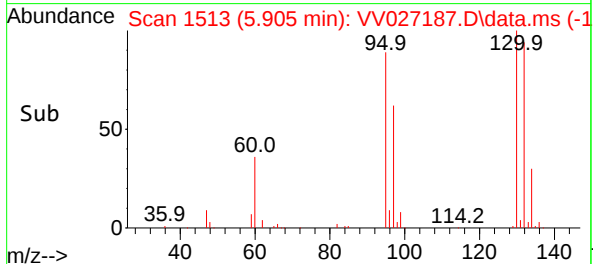
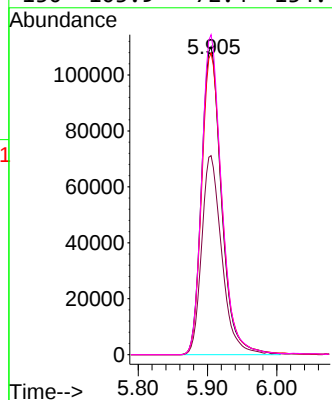
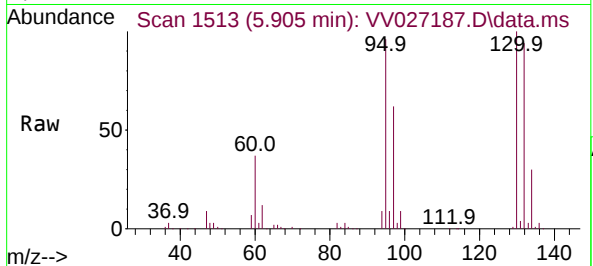




#34
Trichloroethene
Concen: 47.370 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

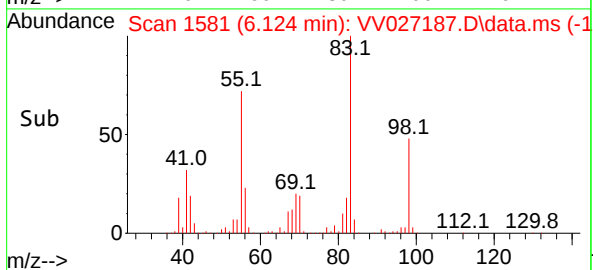
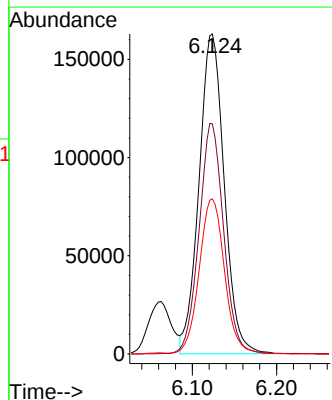
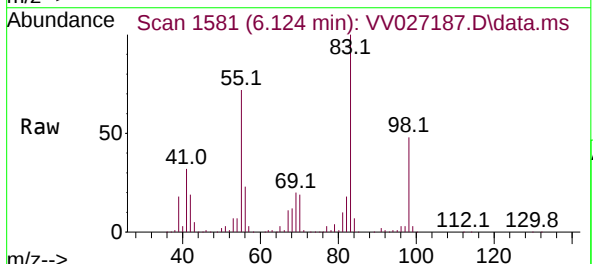
Instrument :
MSVOA_V
ClientSampleId :
VSTD050326

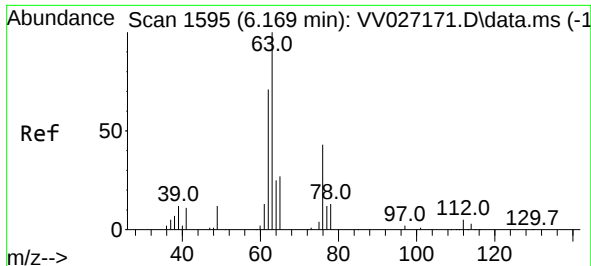
Tgt Ion: 95 Resp: 221505
Ion Ratio Lower Upper
95 100
97 64.6 47.0 87.2
132 97.9 71.5 132.7
130 103.9 72.4 134.4



#35
Methylcyclohexane
Concen: 48.890 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

Tgt Ion: 83 Resp: 339294
Ion Ratio Lower Upper
83 100
55 70.0 56.2 84.4
98 48.8 39.6 59.4





#37

1,2-Dichloropropane

Concen: 47.838 ug/L

RT: 6.166 min Scan# 1595

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Instrument :

MSVOA_V

ClientSampleId :

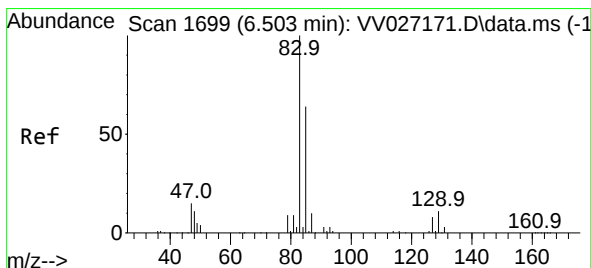
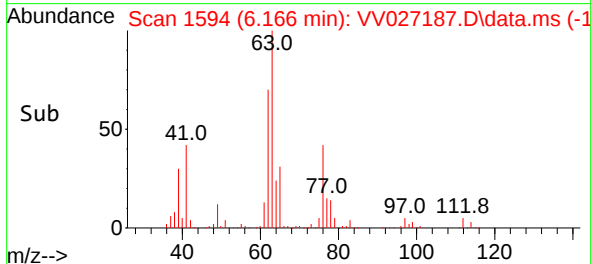
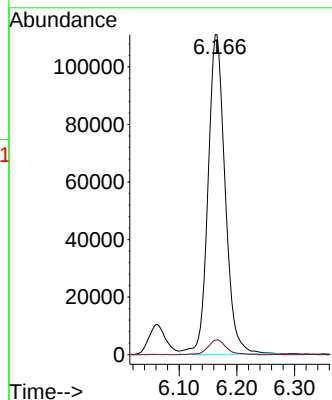
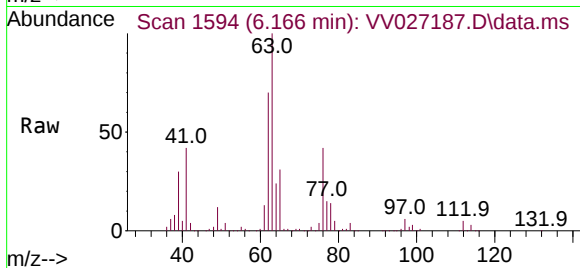
VSTD050326

Tgt Ion: 63 Resp: 228355

Ion Ratio Lower Upper

63 100

112 4.6 4.0 6.0



#38

Bromodichloromethane

Concen: 47.418 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

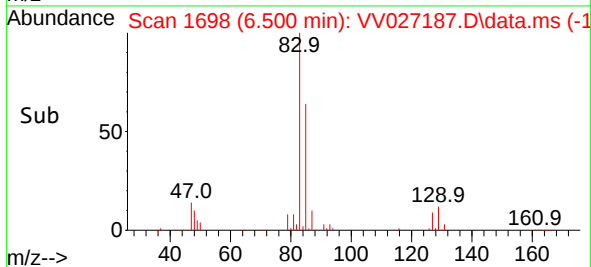
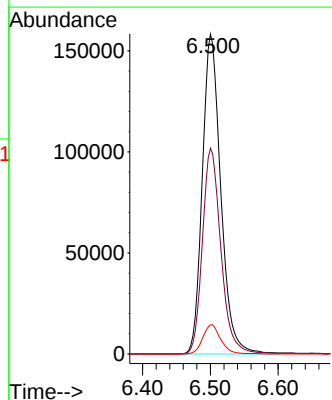
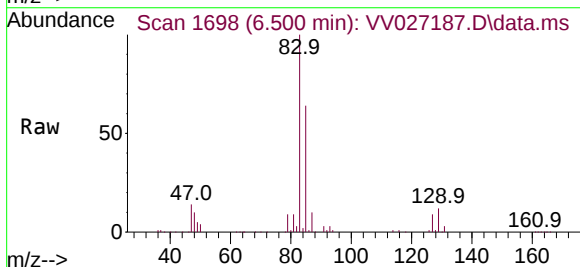
Tgt Ion: 83 Resp: 299823

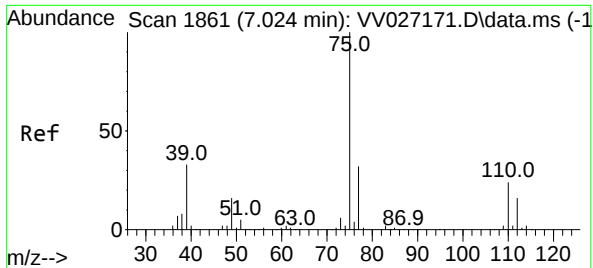
Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.9

127 9.1 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 47.756 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Instrument :

MSVOA_V

ClientSampleId :

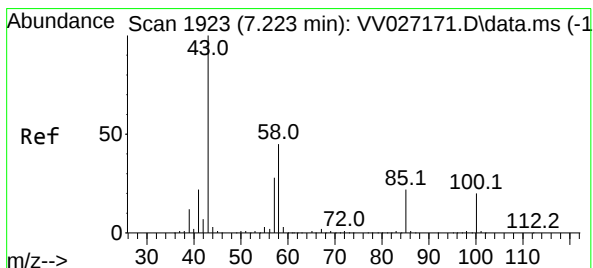
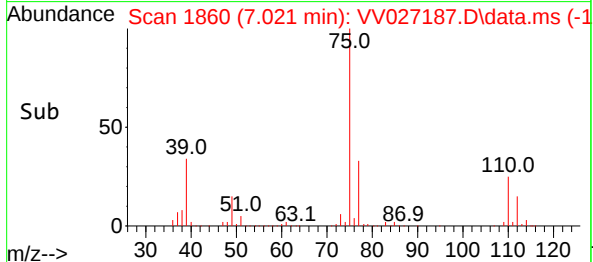
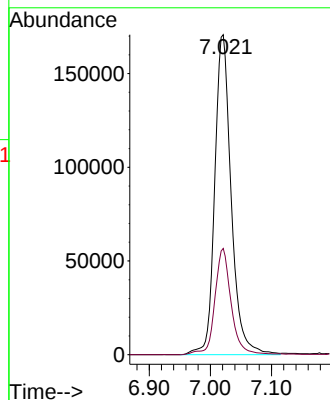
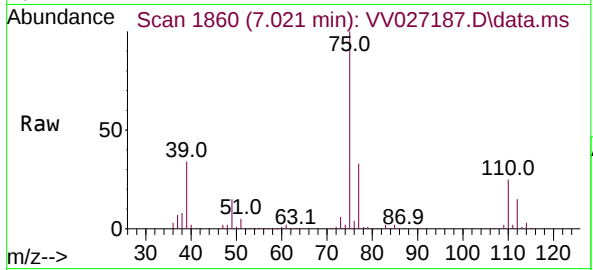
VSTD050326

Tgt Ion: 75 Resp: 319800

Ion Ratio Lower Upper

75 100

77 33.2 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 96.341 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

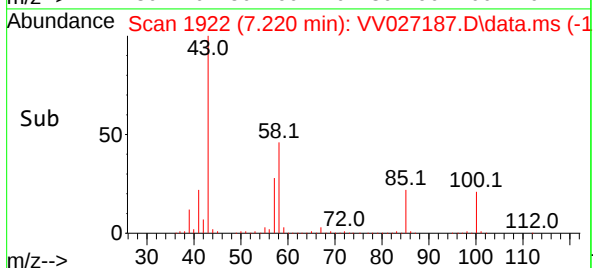
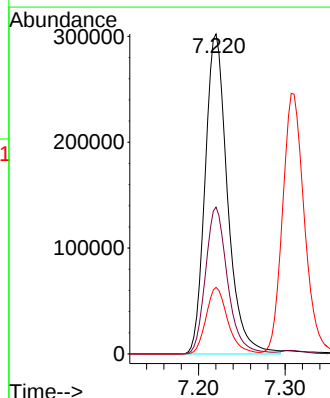
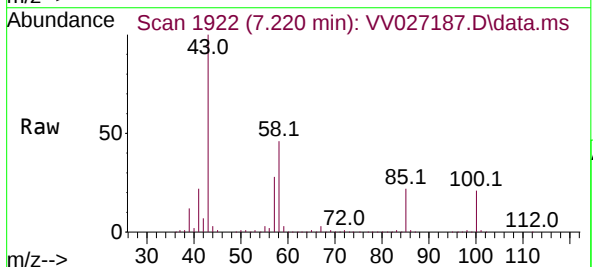
Tgt Ion: 43 Resp: 543530

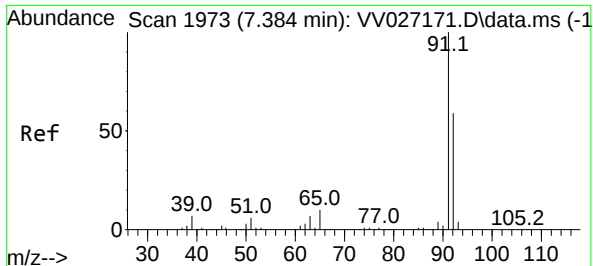
Ion Ratio Lower Upper

43 100

58 45.3 36.1 54.1

100 20.2 15.8 23.6





#42

Toluene

Concen: 49.629 ug/L

RT: 7.381 min Scan# 1973

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Instrument :

MSVOA_V

ClientSampleId :

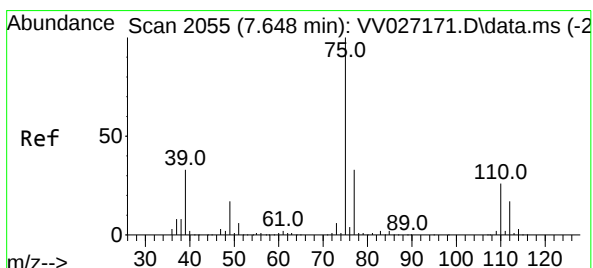
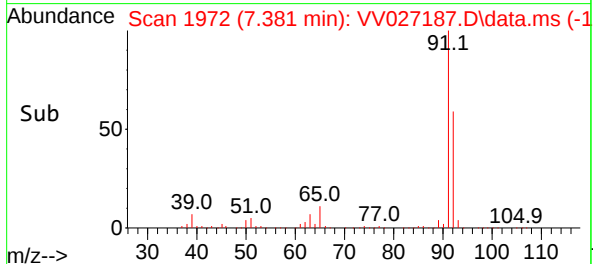
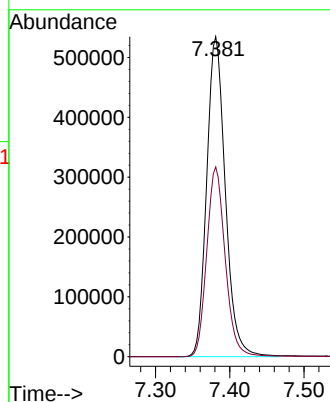
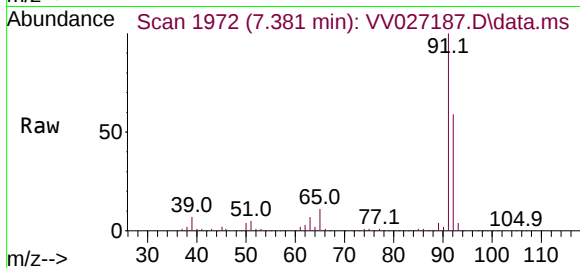
VSTD050326

Tgt Ion: 91 Resp: 930945

Ion Ratio Lower Upper

91 100

92 59.3 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 49.126 ug/L

RT: 7.645 min Scan# 2054

Delta R.T. -0.003 min

Lab File: VV027187.D

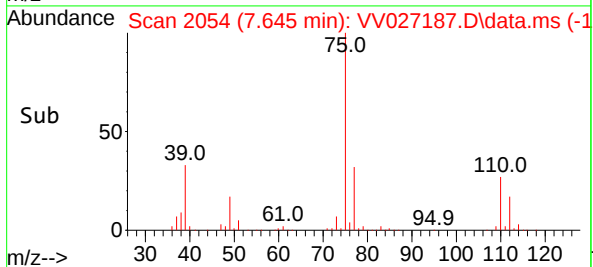
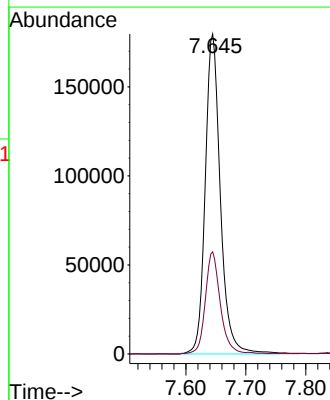
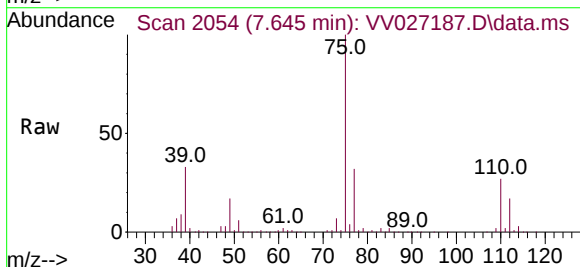
Acq: 03 Aug 2022 10:48

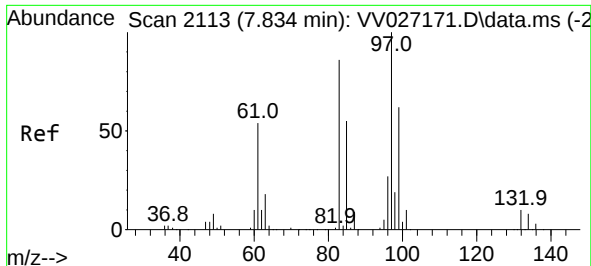
Tgt Ion: 75 Resp: 316081

Ion Ratio Lower Upper

75 100

77 31.9 22.0 40.8



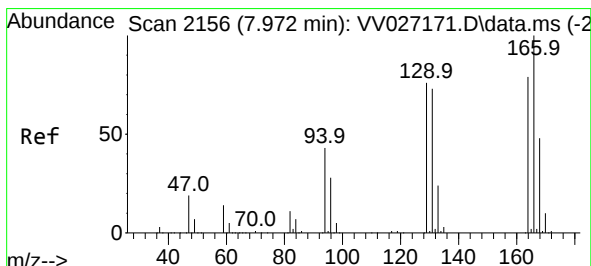
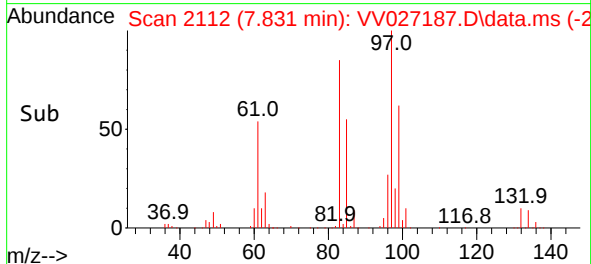
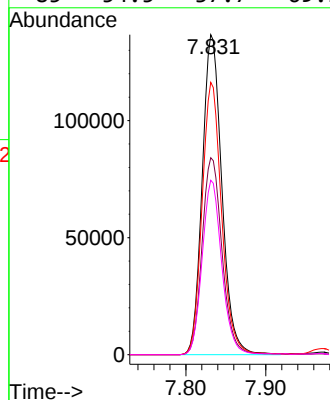
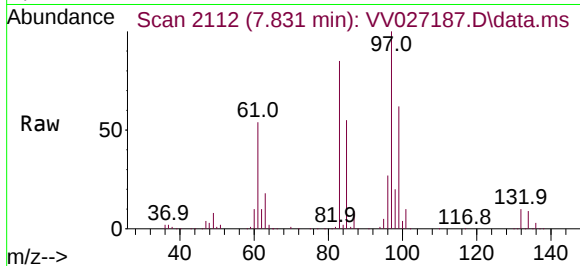


#45
1,1,2-Trichloroethane
Concen: 46.603 ug/L
RT: 7.831 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD050326

Tgt Ion: 97 Resp: 233853

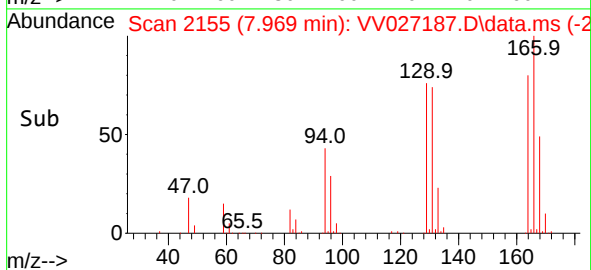
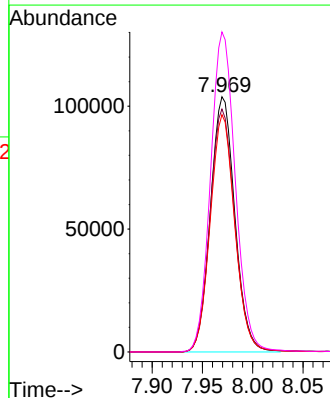
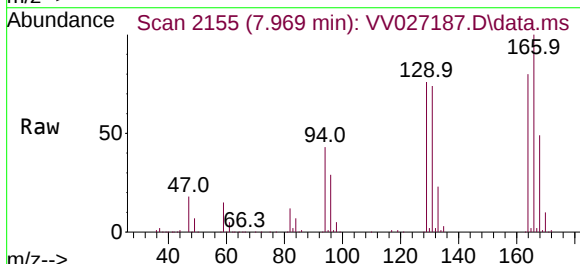
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.3	80.5
83	85.1	58.2	108.2
85	54.5	37.7	69.9

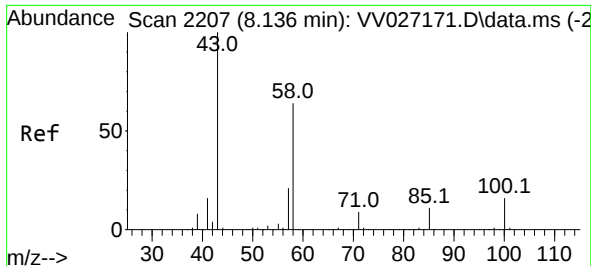


#46
Tetrachloroethene
Concen: 49.217 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

Tgt Ion: 164 Resp: 175707

Ion	Ratio	Lower	Upper
164	100		
129	95.2	66.0	122.6
131	93.0	63.1	117.1
166	125.4	86.7	161.1



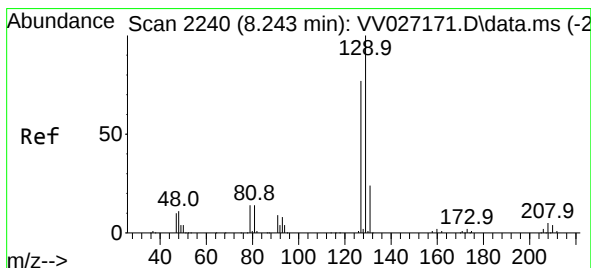
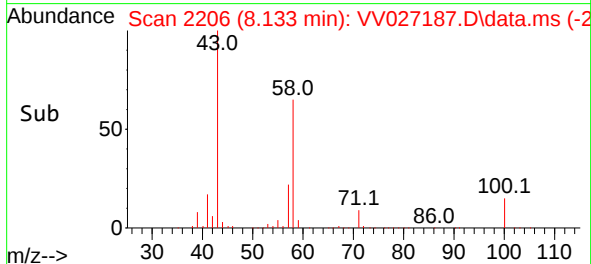
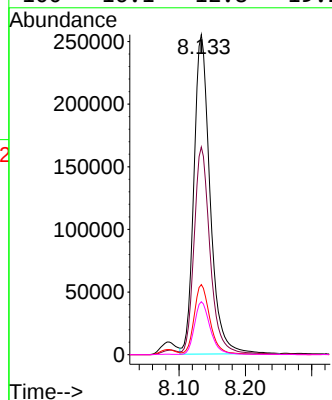
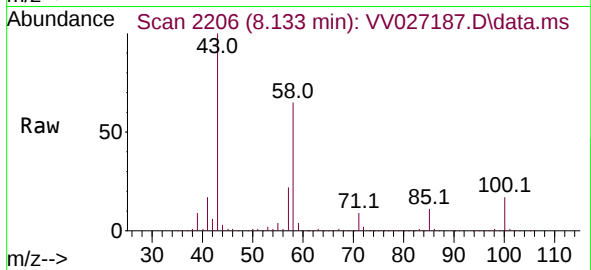


#48
2-Hexanone
Concen: 98.487 ug/L
RT: 8.133 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD050326

Tgt Ion: 43 Resp: 432005

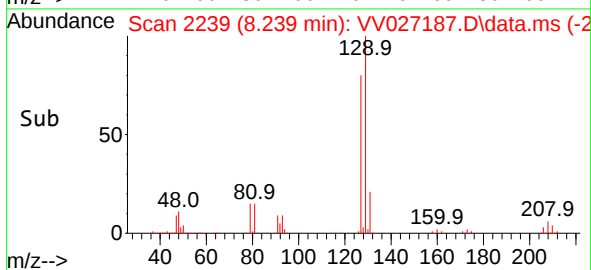
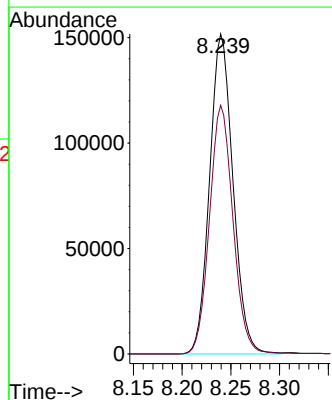
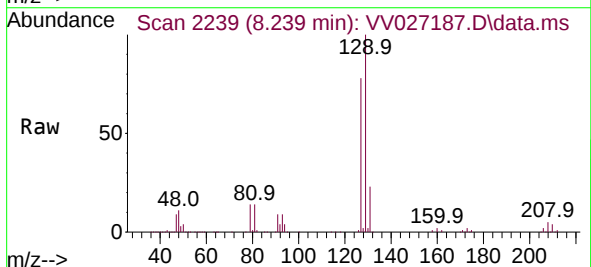
Ion	Ratio	Lower	Upper
43	100		
58	63.6	51.3	76.9
57	21.3	16.7	25.1
100	16.1	12.8	19.2

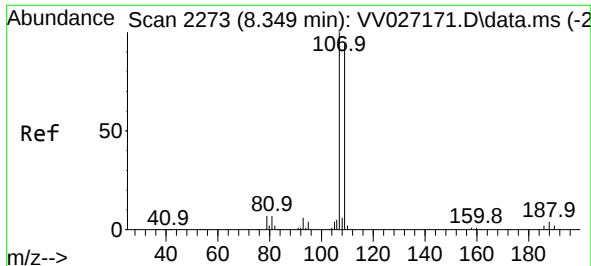


#49
Dibromochloromethane
Concen: 48.630 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

Tgt Ion: 129 Resp: 253315

Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.5	101.3





#50

1,2-Dibromoethane

Concen: 47.246 ug/L

RT: 8.346 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD050326

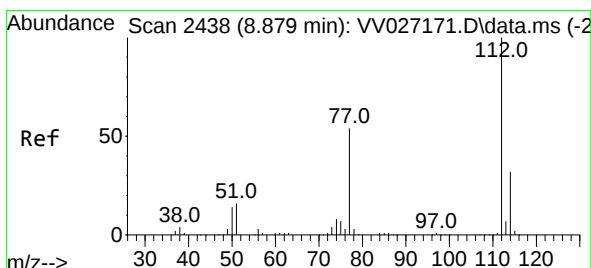
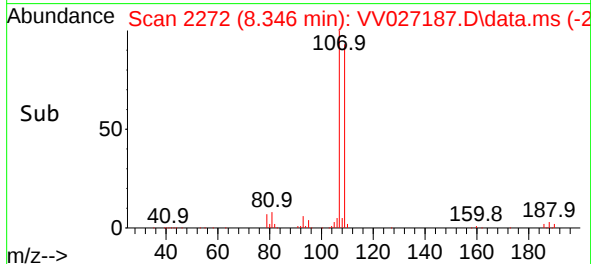
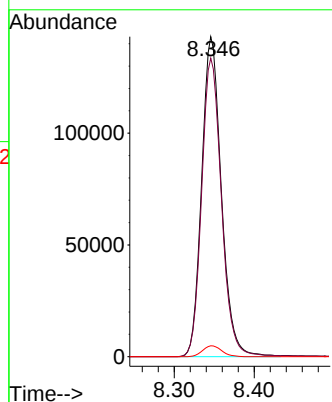
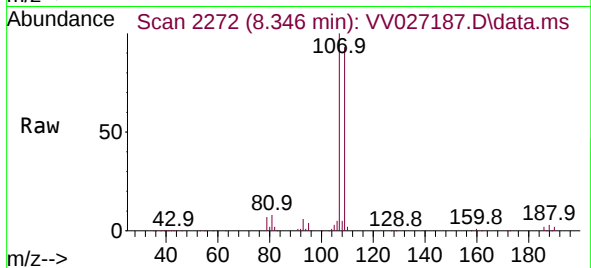
Tgt Ion:107 Resp: 245445

Ion Ratio Lower Upper

107 100

109 93.3 65.3 121.3

188 3.4 2.6 4.0



#51

Chlorobenzene

Concen: 47.389 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

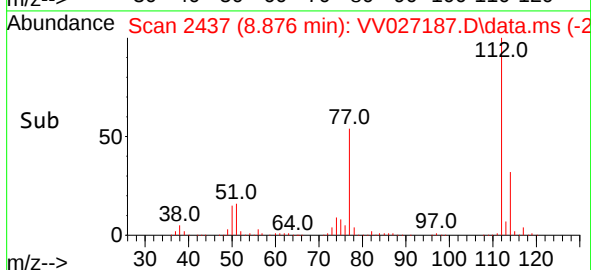
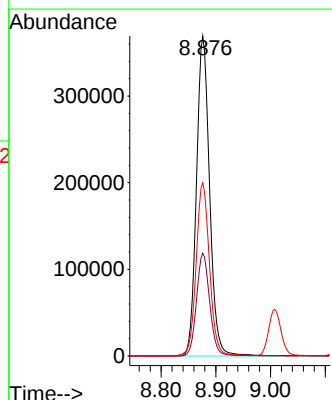
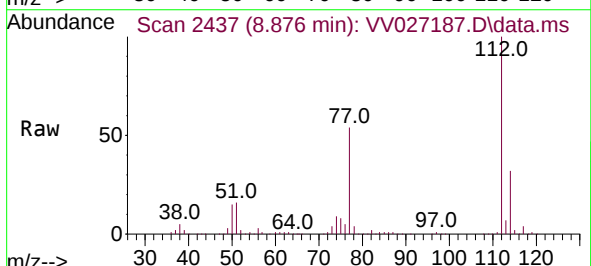
Tgt Ion:112 Resp: 615158

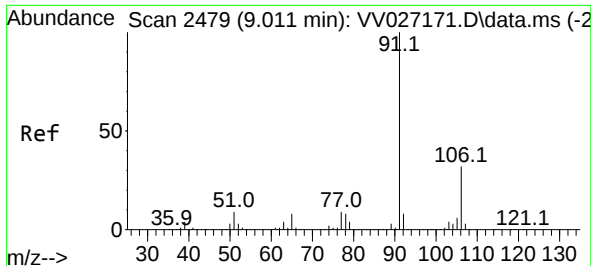
Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.3

77 54.1 44.9 67.3

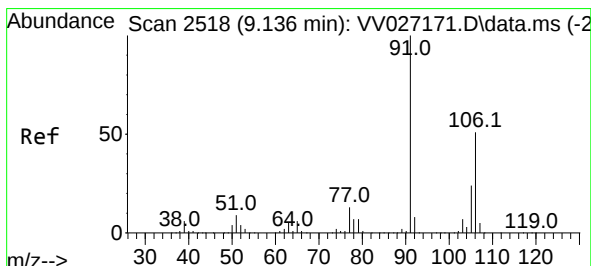
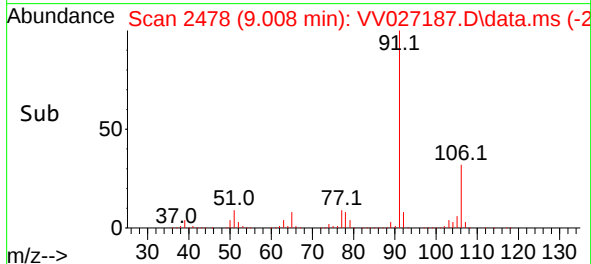
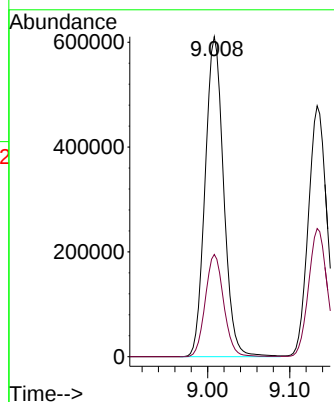
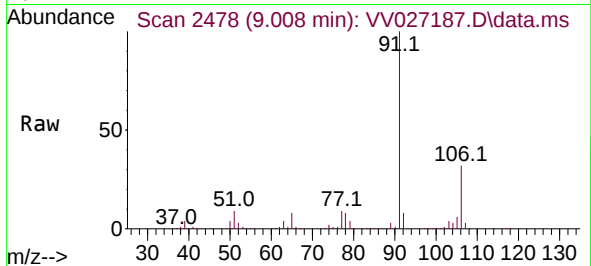




#52
Ethylbenzene
Concen: 49.827 ug/L
RT: 9.008 min Scan# 2479
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

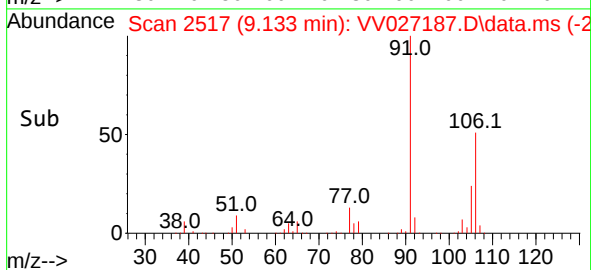
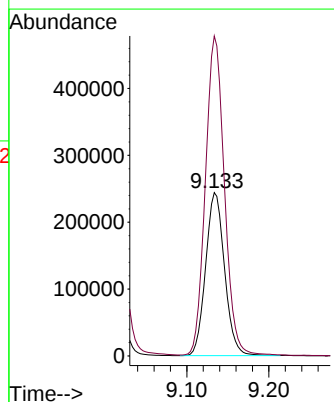
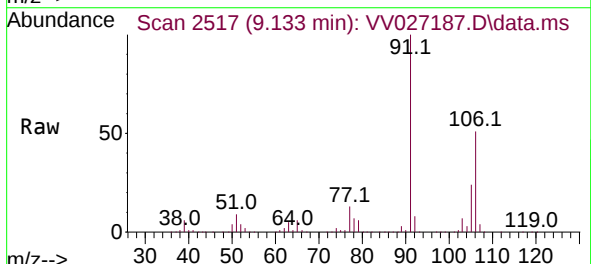
Instrument :
MSVOA_V
ClientSampleId :
VSTD050326

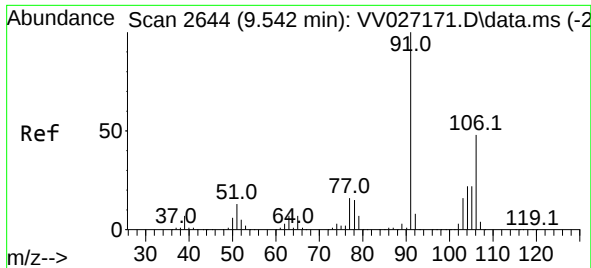
Tgt Ion: 91 Resp: 957875
Ion Ratio Lower Upper
91 100
106 32.0 22.1 41.1



#53
m,p-Xylene
Concen: 51.839 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

Tgt Ion: 106 Resp: 390919
Ion Ratio Lower Upper
106 100
91 195.8 138.5 257.3

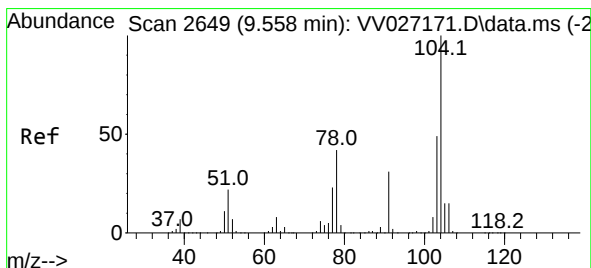
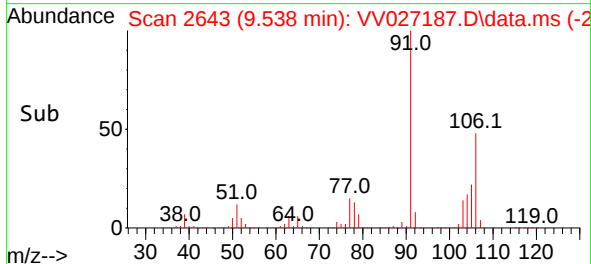
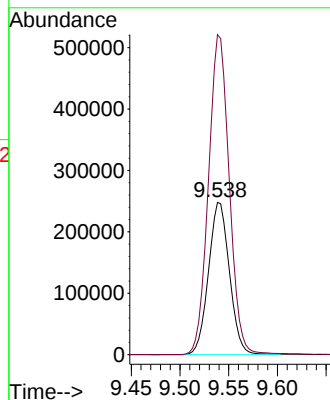
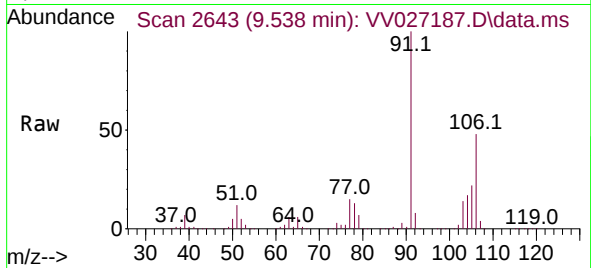




#54
o-Xylene
Concen: 50.254 ug/L
RT: 9.538 min Scan# 2643
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

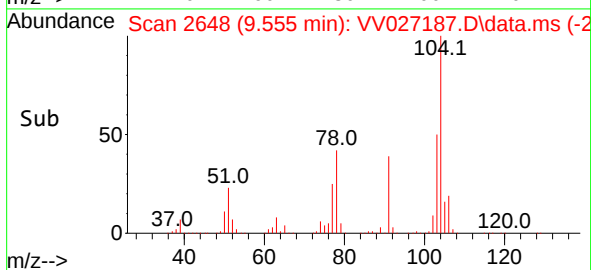
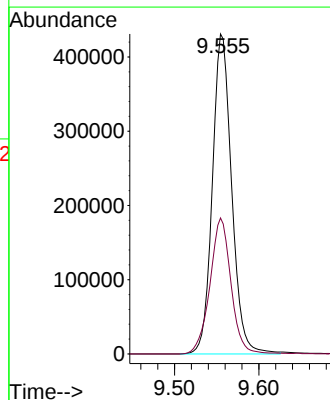
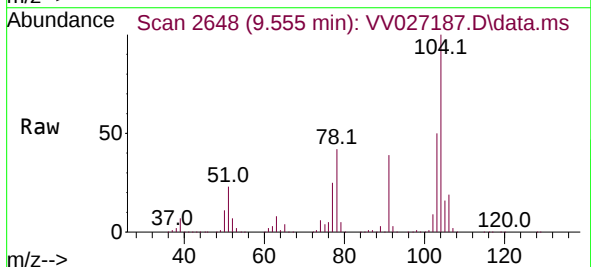
Instrument :
MSVOA_V
ClientSampleId :
VSTD050326

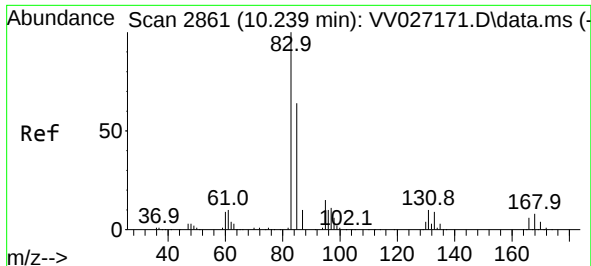
Tgt Ion:106 Resp: 370970
Ion Ratio Lower Upper
106 100
91 210.0 145.1 269.5



#55
Styrene
Concen: 53.418 ug/L
RT: 9.555 min Scan# 2648
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

Tgt Ion:104 Resp: 685345
Ion Ratio Lower Upper
104 100
78 42.5 29.2 54.2





#57

1,1,2,2-Tetrachloroethane

Concen: 46.358 ug/L

RT: 10.236 min Scan# 2861

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD050326

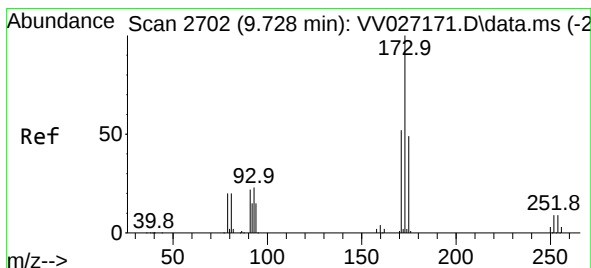
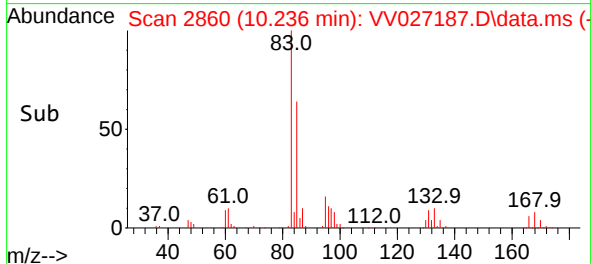
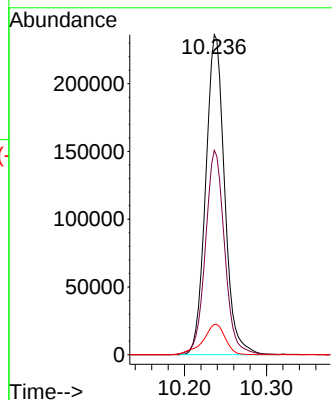
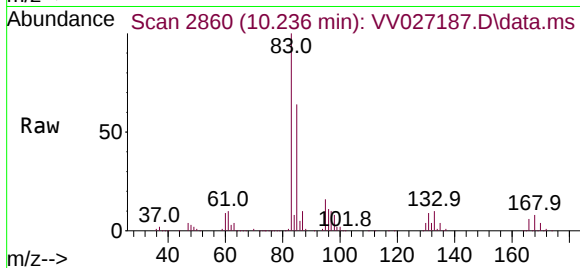
Tgt Ion: 83 Resp: 377204

Ion Ratio Lower Upper

83 100

85 63.8 45.2 84.0

131 9.4 7.8 11.6



#59

Bromoform

Concen: 45.756 ug/L

RT: 9.725 min Scan# 2701

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

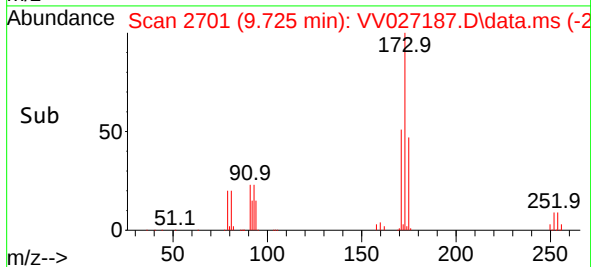
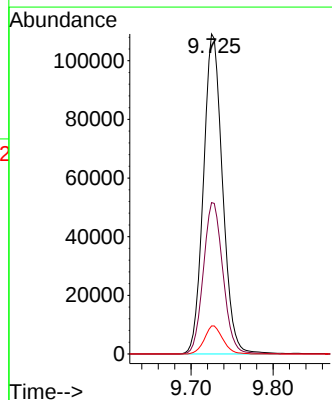
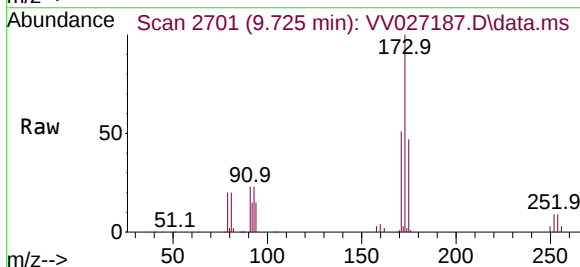
Tgt Ion: 173 Resp: 176506

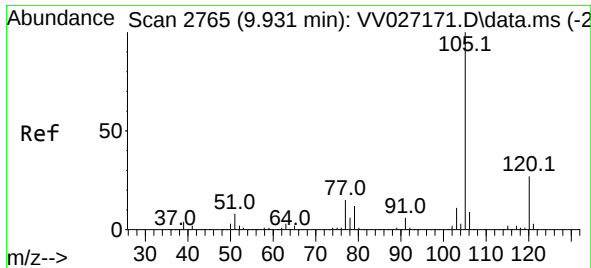
Ion Ratio Lower Upper

173 100

175 48.5 38.2 57.4

254 8.5 6.8 10.2

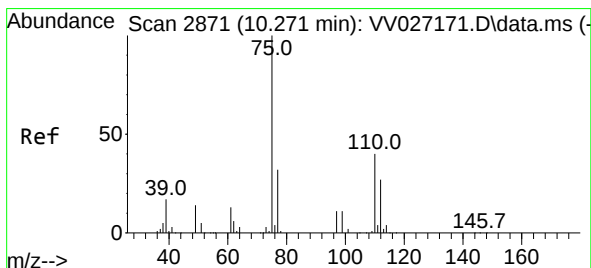
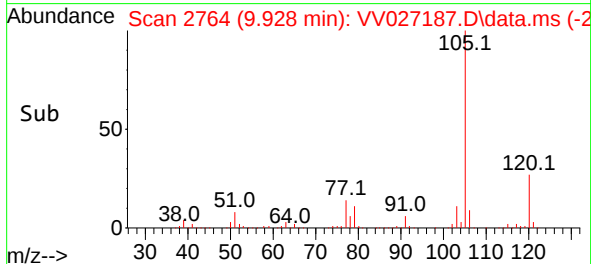
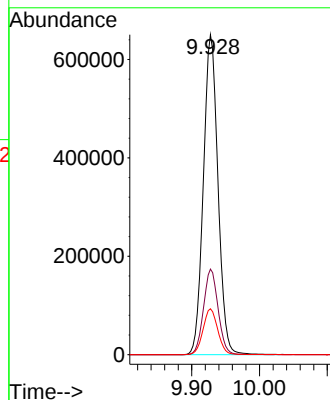
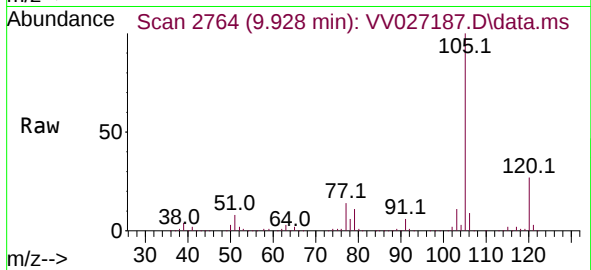




#60
Isopropylbenzene
Concen: 47.469 ug/L
RT: 9.928 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

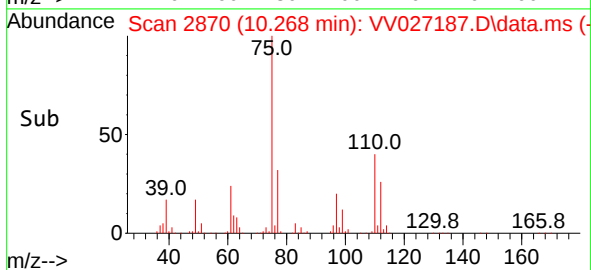
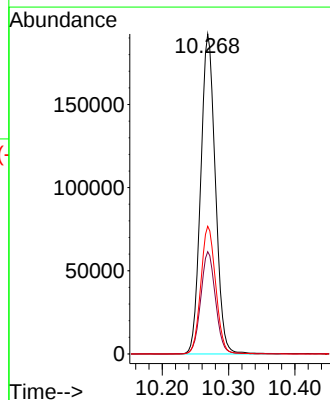
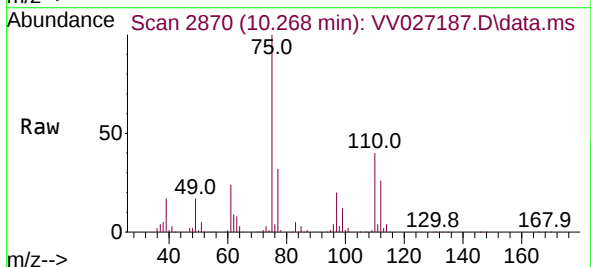
Instrument :
MSVOA_V
ClientSampleId :
VSTD050326

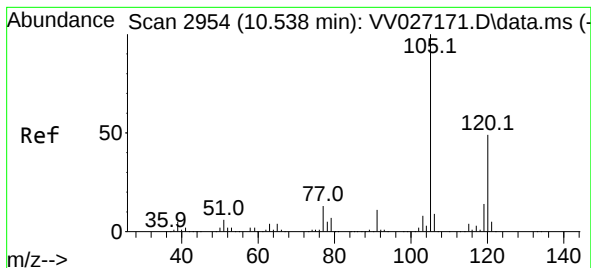
Tgt Ion:105 Resp: 973214
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.2
77 14.5 11.7 17.5



#61
1,2,3-Trichloropropane
Concen: 42.669 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

Tgt Ion: 75 Resp: 295998
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.8
110 40.5 32.8 49.2





#62

1,3,5-Trimethylbenzene

Concen: 45.866 ug/L

RT: 10.535 min Scan# 2954

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Instrument :

MSVOA_V

ClientSampleId :

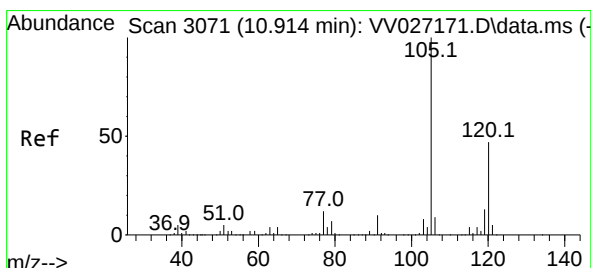
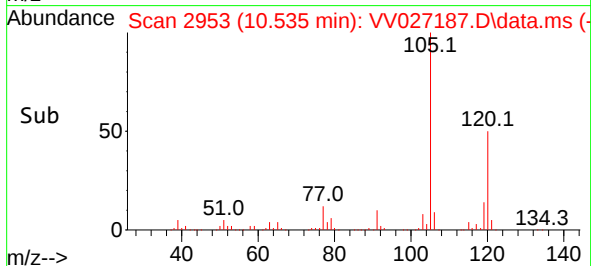
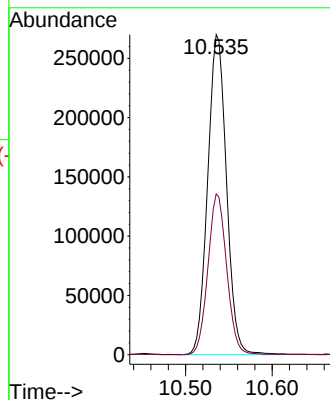
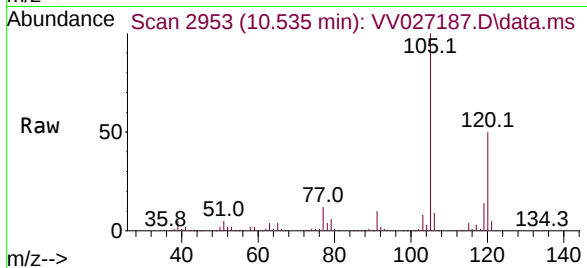
VSTD050326

Tgt Ion:105 Resp: 407302

Ion Ratio Lower Upper

105 100

120 50.1 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 46.259 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.003 min

Lab File: VV027187.D

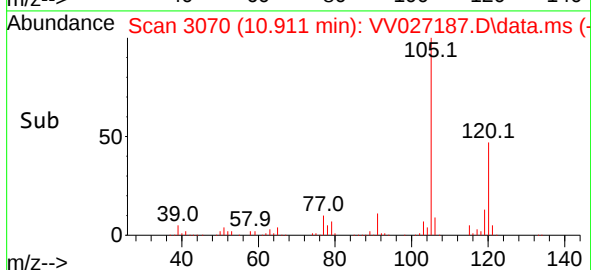
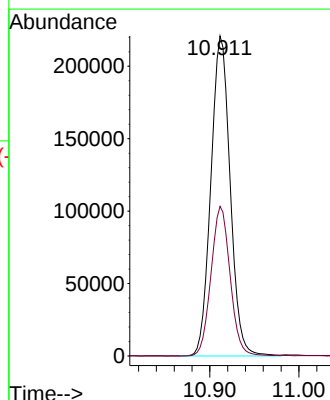
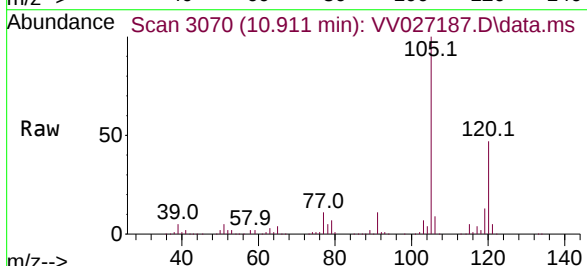
Acq: 03 Aug 2022 10:48

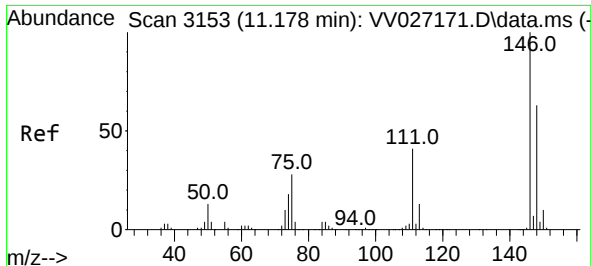
Tgt Ion:105 Resp: 331903

Ion Ratio Lower Upper

105 100

120 46.3 36.5 54.7

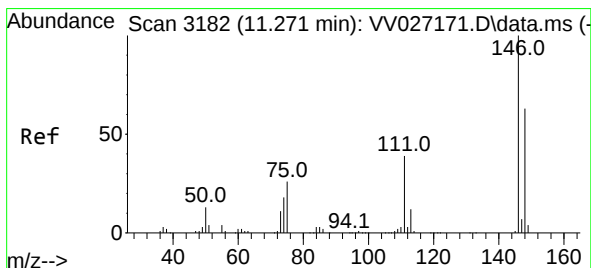
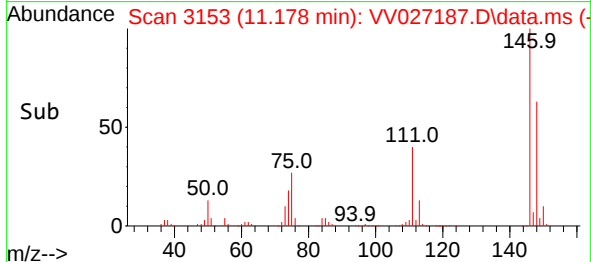
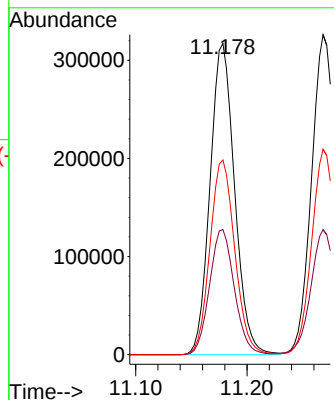
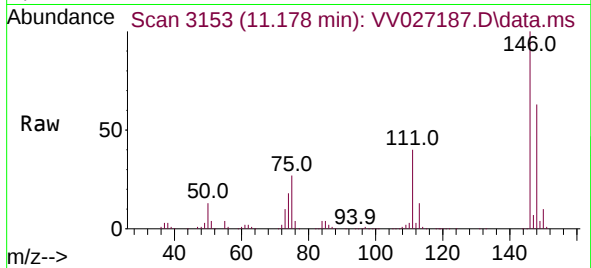




#64
1,3-Dichlorobenzene
Concen: 48.103 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

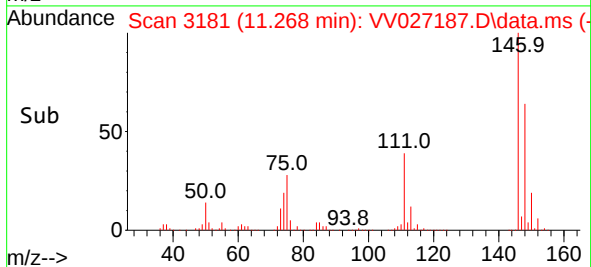
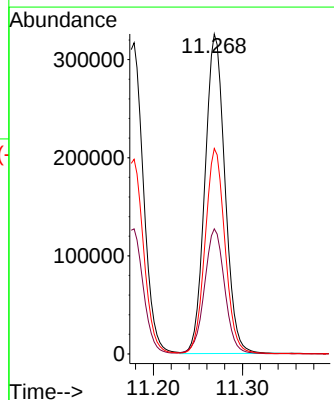
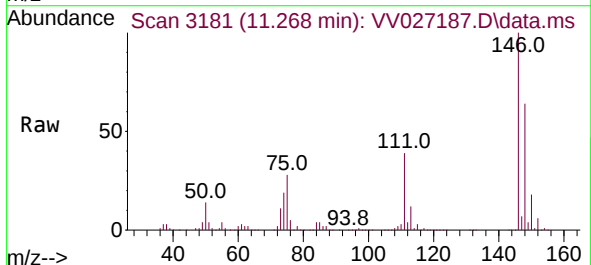
Instrument :
MSVOA_V
ClientSampleId :
VSTD050326

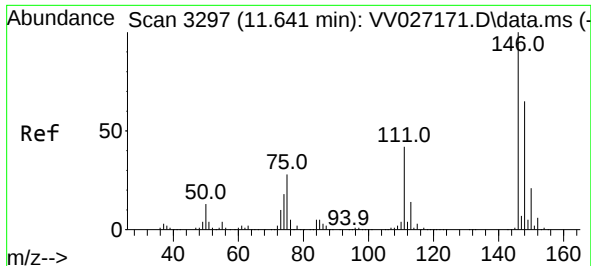
Tgt Ion:146 Resp: 486046
Ion Ratio Lower Upper
146 100
111 40.2 28.6 53.2
148 62.5 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 47.490 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. -0.003 min
Lab File: VV027187.D
Acq: 03 Aug 2022 10:48

Tgt Ion:146 Resp: 506206
Ion Ratio Lower Upper
146 100
111 39.1 27.2 50.4
148 64.2 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 46.626 ug/L

RT: 11.638 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD050326

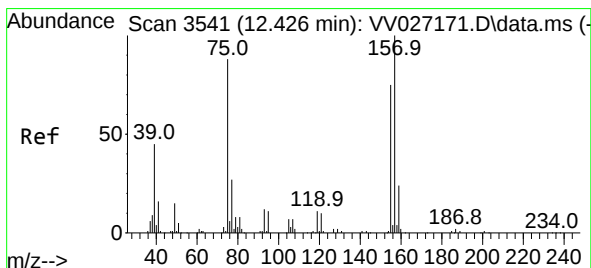
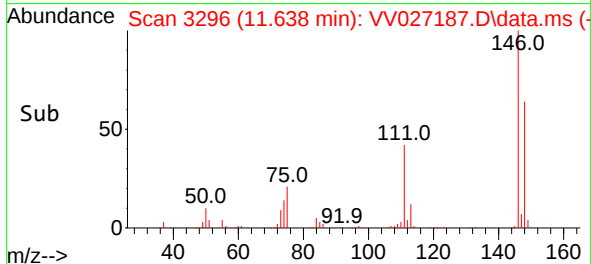
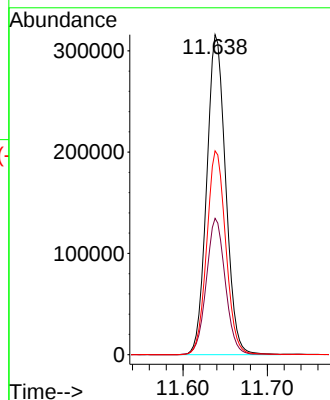
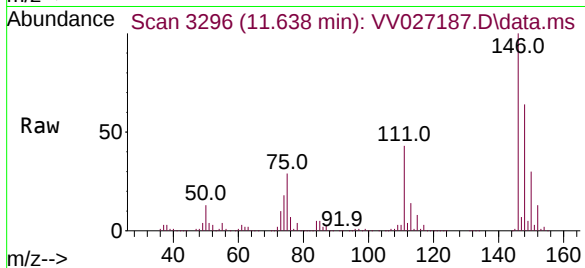
Tgt Ion:146 Resp: 494727

Ion Ratio Lower Upper

146 100

111 42.6 32.8 49.2

148 63.7 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 42.127 ug/L

RT: 12.423 min Scan# 3540

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

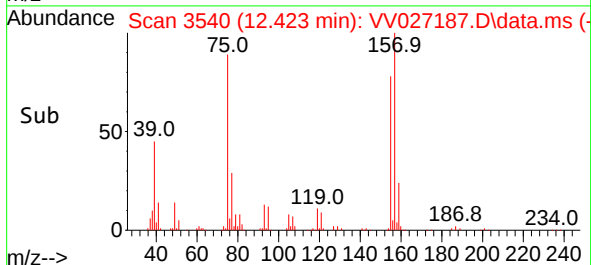
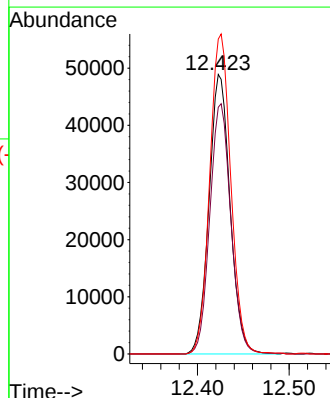
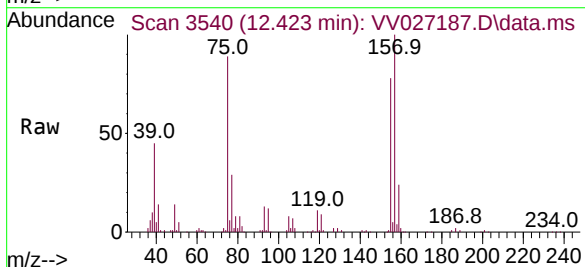
Tgt Ion: 75 Resp: 78185

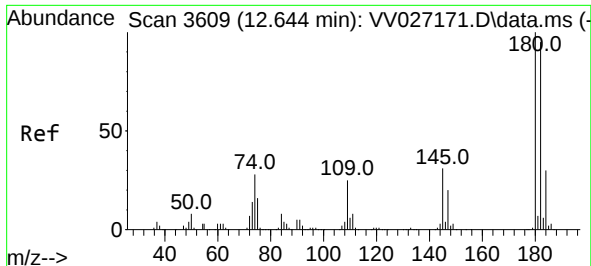
Ion Ratio Lower Upper

75 100

155 88.3 69.6 104.4

157 112.7 88.1 132.1





#69

1,3,5-Trichlorobenzene

Concen: 49.312 ug/L

RT: 12.641 min Scan# 3609

Delta R.T. -0.003 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD050326

Tgt Ion:180 Resp: 353497

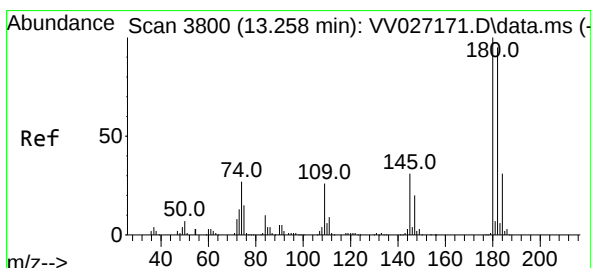
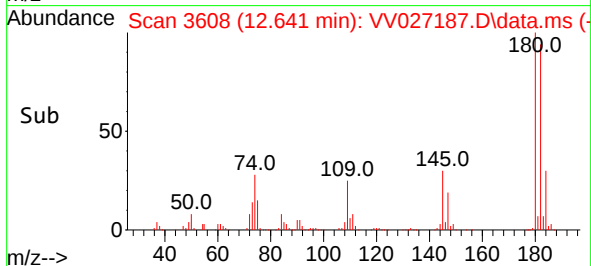
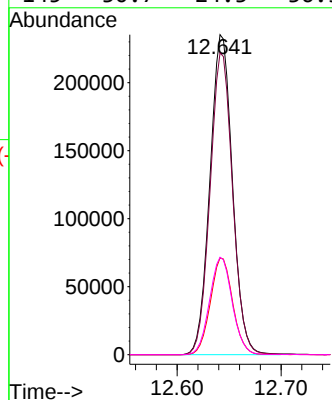
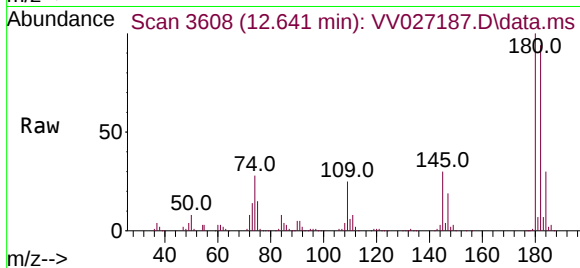
Ion Ratio Lower Upper

180 100

182 94.5 75.3 112.9

184 30.0 24.3 36.5

145 30.7 24.3 36.5



#70

1,2,4-trichlorobenzene

Concen: 51.650 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

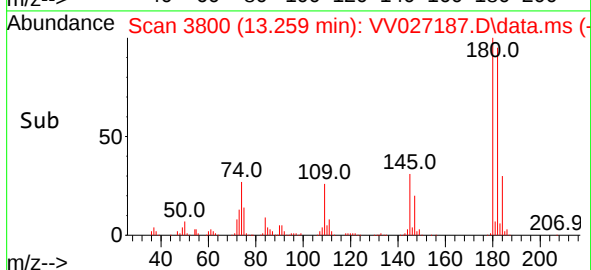
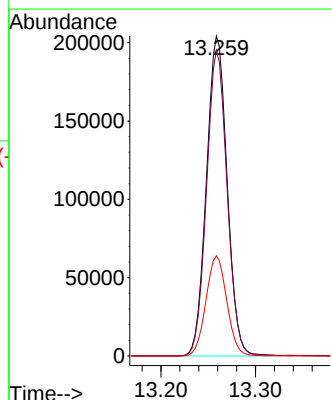
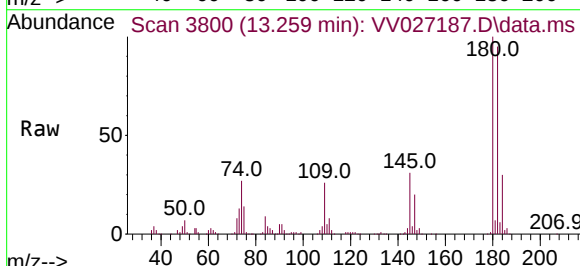
Tgt Ion:180 Resp: 310887

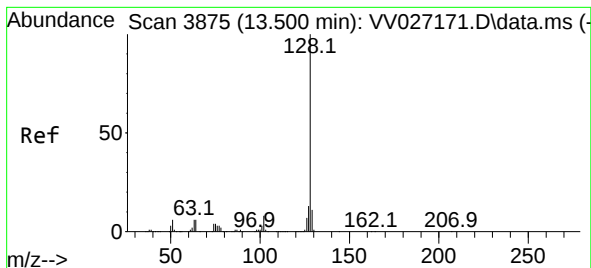
Ion Ratio Lower Upper

180 100

182 94.8 75.2 112.8

145 31.4 24.7 37.1





#71

Naphthalene

Concen: 56.230 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD050326

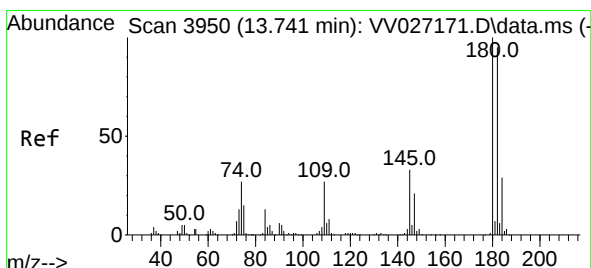
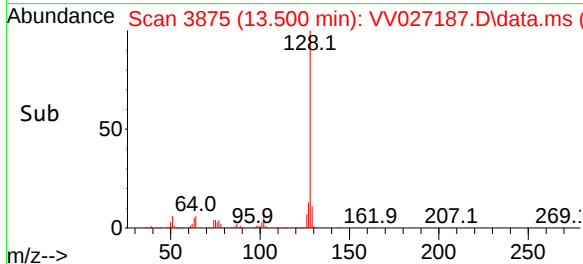
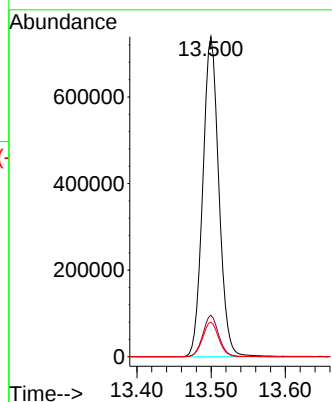
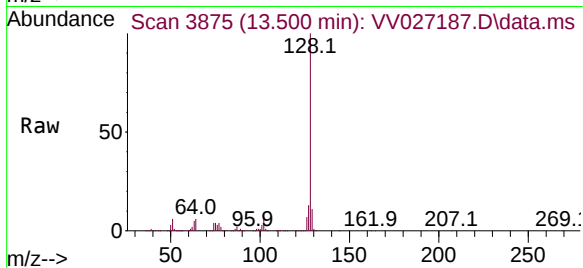
Tgt Ion:128 Resp: 1111793

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 53.385 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV027187.D

Acq: 03 Aug 2022 10:48

Tgt Ion:180 Resp: 351393

Ion Ratio Lower Upper

180 100

182 94.9 76.3 114.5

145 33.1 26.8 40.2

