

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012423\
 Data File : VW029933.D
 Acq On : 24 Jan 2023 19:15
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005391

Quant Time: Jan 25 00:47:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 25 00:44:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	186823	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	183860	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	115287	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	60806	4.291	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.800%
7) Chloroethane-d5	1.564	69	59717	5.084	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.600%
11) 1,1-Dichloroethene-d2	2.108	63	120608	4.669	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.400%
20) 2-Butanone-d5	3.889	46	165628	65.946	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.900%#
24) Chloroform-d	4.339	84	128532	4.945	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.024	65	54428	4.944	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
32) Benzene-d6	5.043	84	241765	4.433	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.063	67	79404	4.975	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.400%
41) Toluene-d8	7.307	98	210139	4.162	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.200%
43) trans-1,3-Dichloroprop...	7.616	79	22713	3.896	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.000%
46) 2-Hexanone-d5	8.085	63	140269	59.104	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.200%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	64363	5.503	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.000%
66) 1,2-Dichlorobenzene-d4	11.612	152	83318	3.975	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	80909	4.653	ug/L	99
3) Chloromethane	1.240	50	92825	5.073	ug/L	99
5) Vinyl chloride	1.307	62	102322	5.702	ug/L	100
6) Bromomethane	1.519	94	44932	5.143	ug/L	99
8) Chloroethane	1.584	64	64298	5.906	ug/L	99
9) Trichlorofluoromethane	1.751	101	119178	5.071	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	74109	5.352	ug/L	95
12) 1,1-Dichloroethene	2.114	96	72265	4.530	ug/L	89
13) Acetone	2.178	43	101046	56.368	ug/L	95
14) Carbon disulfide	2.291	76	209484	4.561	ug/L	99
15) Methyl Acetate	2.436	43	23885	5.116	ug/L	91
16) Methylene chloride	2.500	84	89296	4.506	ug/L	90
17) Methyl tert-butyl Ether	2.764	73	141942	5.146	ug/L	96
18) trans-1,2-Dichloroethene	2.754	96	74494	5.024	ug/L	91
19) 1,1-Dichloroethane	3.182	63	142026	5.725	ug/L	98
21) 2-Butanone	3.973	43	147310	57.362	ug/L	98
22) cis-1,2-Dichloroethene	3.902	96	78260	4.953	ug/L	92
23) Bromochloromethane	4.239	128	34263	5.251	ug/L	88
25) Chloroform	4.365	83	141119	5.233	ug/L	97

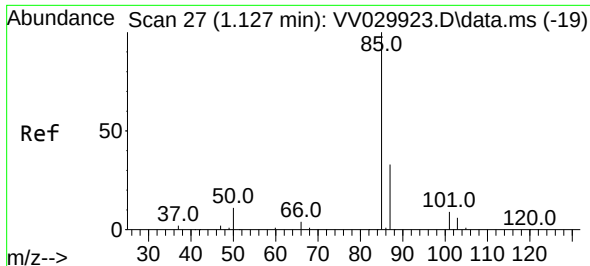
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012423\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	71397	5.450	ug/L	99
29) 1,1,1-Trichloroethane	4.600	97	116764	4.891	ug/L	96
30) Cyclohexane	4.667	56	114093	5.048	ug/L	96
31) Carbon tetrachloride	4.818	117	95577	4.601	ug/L	98
33) Benzene	5.092	78	316223	5.202	ug/L	100
34) Trichloroethene	5.908	95	75526	4.903	ug/L	97
35) Methylcyclohexane	6.120	83	120514	4.634	ug/L	95
37) 1,2-Dichloropropane	6.165	63	78584	5.520	ug/L	98
38) Bromodichloromethane	6.500	83	92604	5.030	ug/L	97
39) cis-1,3-Dichloropropene	7.021	75	91709	4.804	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	359352	59.151	ug/L	95
42) Toluene	7.381	91	330931	5.047	ug/L	99
44) trans-1,3-Dichloropropene	7.644	75	72910	4.739	ug/L	98
45) 1,1,2-Trichloroethane	7.831	97	50819	4.955	ug/L	95
47) Tetrachloroethene	7.966	164	62713	4.835	ug/L	97
48) 2-Hexanone	8.136	43	265802	61.212	ug/L	94
49) Dibromochloromethane	8.236	129	56346	4.681	ug/L	99
50) 1,2-Dibromoethane	8.342	107	44822	5.034	ug/L	99
51) Chlorobenzene	8.873	112	204174	4.905	ug/L	99
52) Ethylbenzene	9.001	91	333504	4.860	ug/L	99
53) m,p-Xylene	9.130	106	128352	4.726	ug/L	99
54) o-Xylene	9.532	106	125482	4.868	ug/L	98
55) Styrene	9.551	104	218113	4.920	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.230	83	63094	5.538	ug/L	97
59) Bromoform	9.722	173	27933	3.741	ug/L	98
60) Isopropylbenzene	9.921	105	330955	4.491	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	41906	4.909	ug/L	98
62) 1,3,5-Trimethylbenzene	10.529	105	266196	4.215	ug/L	99
63) 1,2,4-Trimethylbenzene	10.902	105	269943	4.287	ug/L	100
64) 1,3-Dichlorobenzene	11.168	146	167915	4.487	ug/L	100
65) 1,4-Dichlorobenzene	11.262	146	166154	4.454	ug/L	97
67) 1,2-Dichlorobenzene	11.631	146	153705	4.569	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.416	75	8633	4.276	ug/L	94
69) 1,3,5-Trichlorobenzene	12.631	180	125182	4.156	ug/L	99
70) 1,2,4-trichlorobenzene	13.246	180	101185	4.299	ug/L	98
71) Naphthalene	13.490	128	138301	4.535	ug/L	100
72) 1,2,3-Trichlorobenzene	13.728	180	84664	4.334	ug/L	98

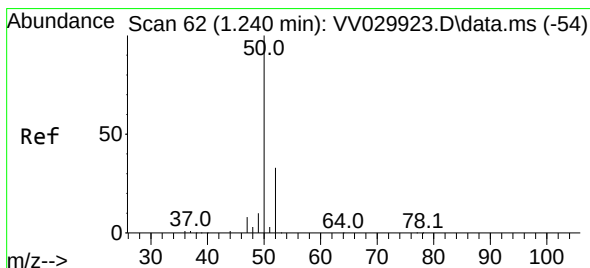
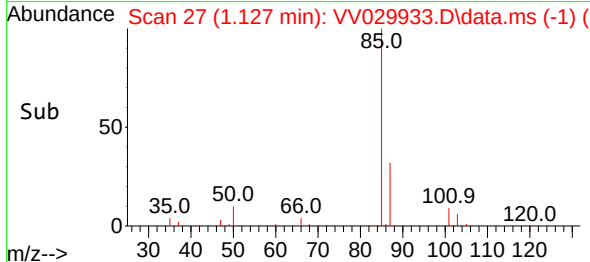
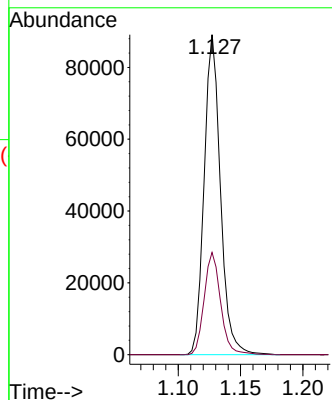
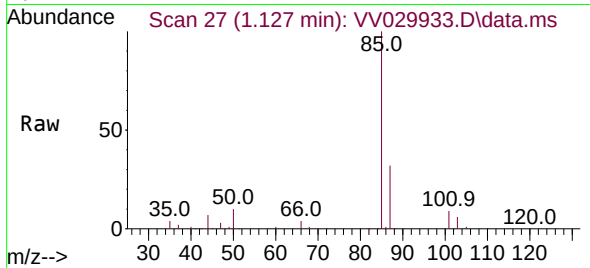
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#2
 Dichlorodifluoromethane
 Concen: 4.653 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029933.D
 Acq: 24 Jan 2023 19:15

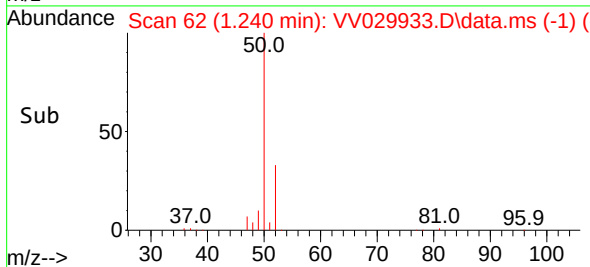
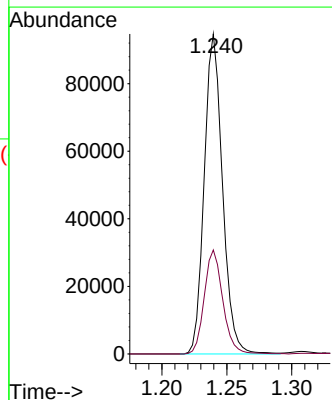
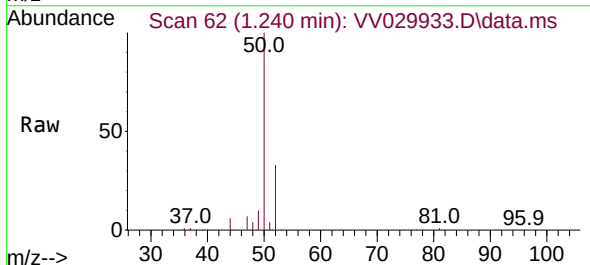
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005391

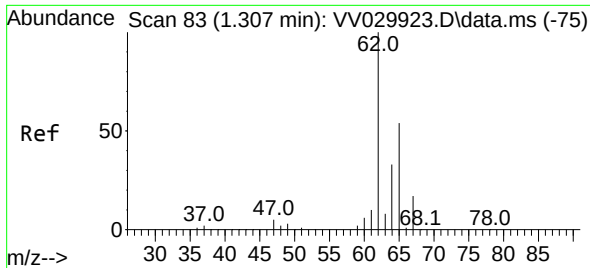
Tgt Ion: 85 Resp: 80909
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.5 39.7



#3
 Chloromethane
 Concen: 5.073 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029933.D
 Acq: 24 Jan 2023 19:15

Tgt Ion: 50 Resp: 92825
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.1 42.9

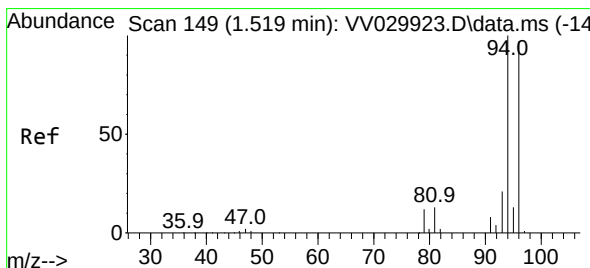
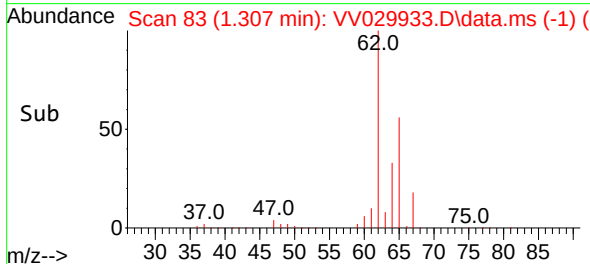
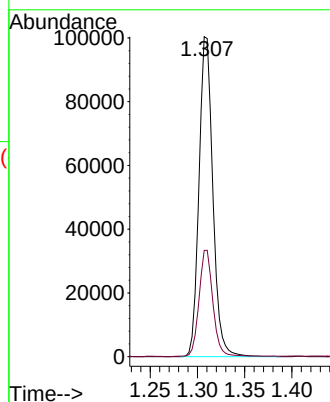
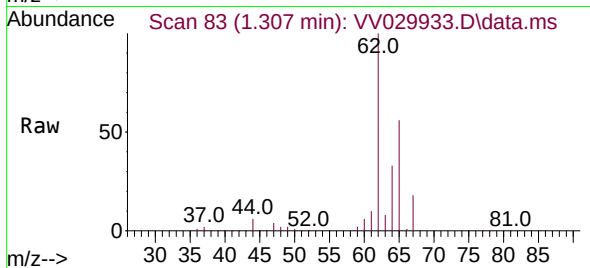




#5
 Vinyl chloride
 Concen: 5.702 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV029933.D
 Acq: 24 Jan 2023 19:15

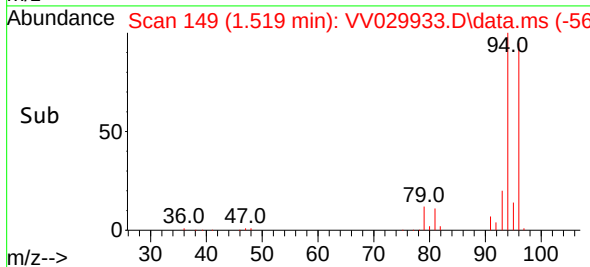
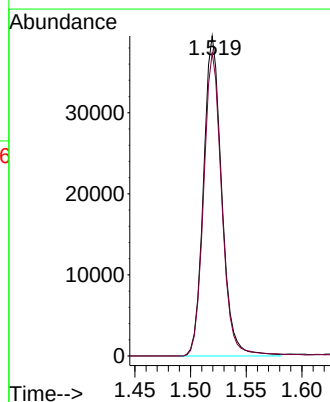
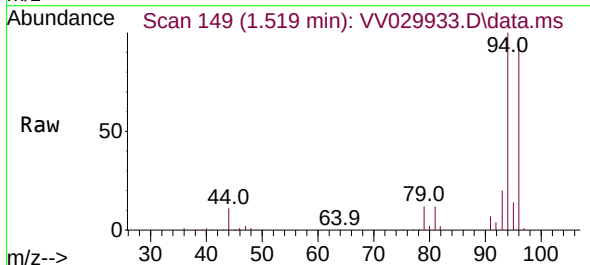
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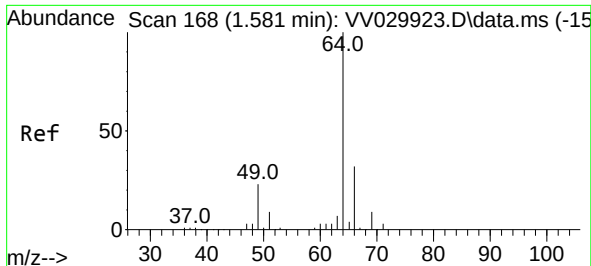
Tgt Ion: 62 Resp: 102322
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.2 43.2



#6
 Bromomethane
 Concen: 5.143 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV029933.D
 Acq: 24 Jan 2023 19:15

Tgt Ion: 94 Resp: 44932
 Ion Ratio Lower Upper
 94 100
 96 94.8 65.9 122.5





#8

Chloroethane

Concen: 5.906 ug/L

RT: 1.584 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

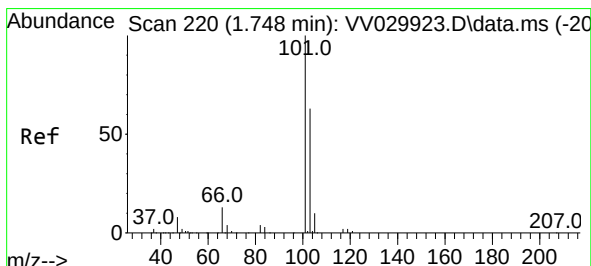
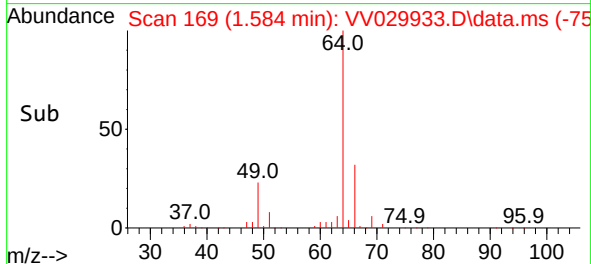
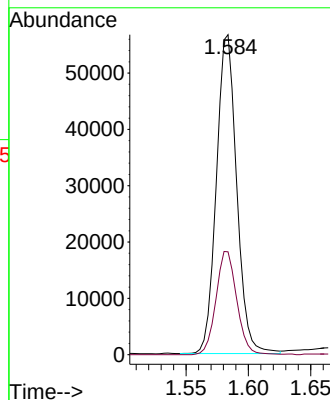
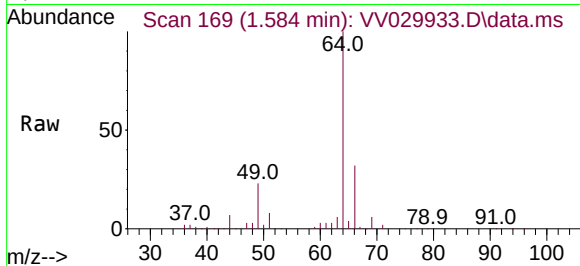
VSTD005391

Tgt Ion: 64 Resp: 64298

Ion Ratio Lower Upper

64 100

66 32.1 22.9 42.5



#9

Trichlorofluoromethane

Concen: 5.071 ug/L

RT: 1.751 min Scan# 221

Delta R.T. 0.003 min

Lab File: VV029933.D

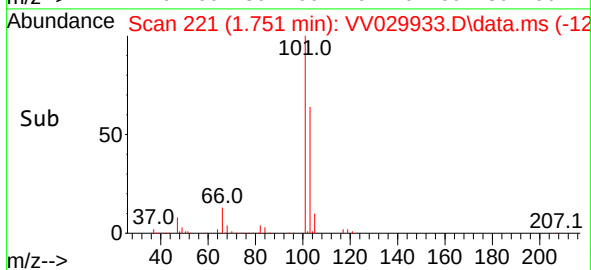
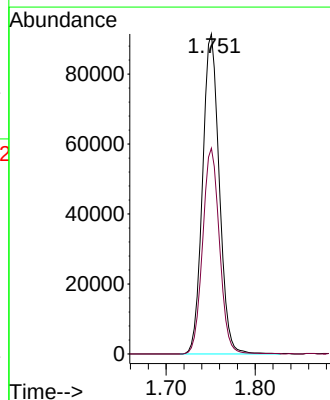
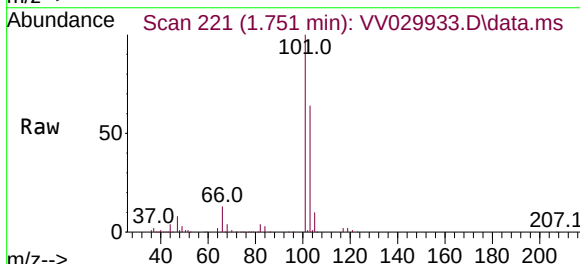
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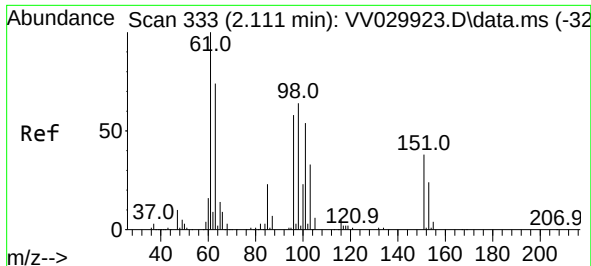
Tgt Ion:101 Resp: 119178

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.8





#10

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

Concen: 5.352 ug/L

RT: 2.114 min Scan# 333

Delta R.T. 0.003 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005391

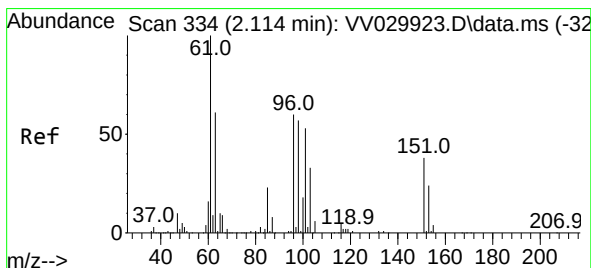
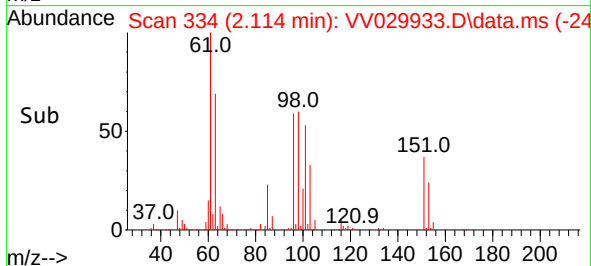
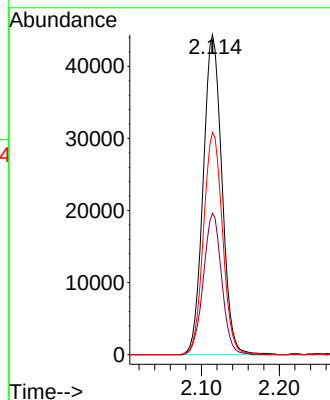
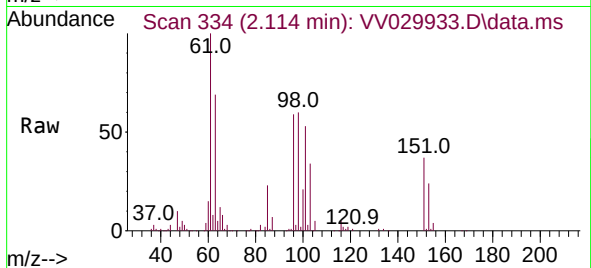
Tgt Ion:101 Resp: 74109

Ion Ratio Lower Upper

101 100

85 43.1 32.9 49.3

151 70.5 60.9 91.3



#12

1,1-Dichloroethene

Concen: 4.530 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.000 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

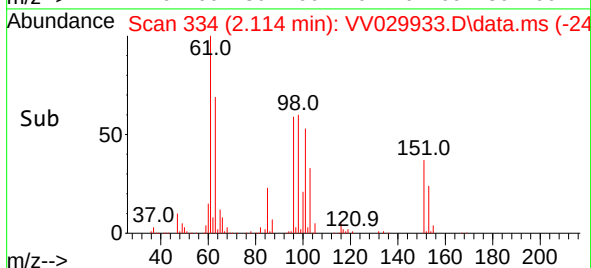
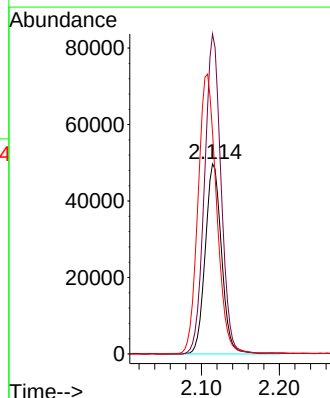
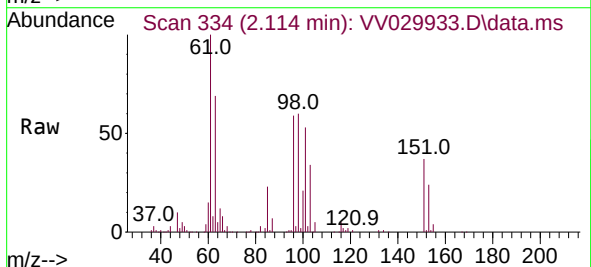
Tgt Ion: 96 Resp: 72265

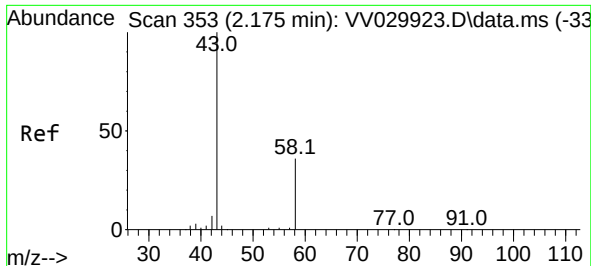
Ion Ratio Lower Upper

96 100

61 168.4 106.1 197.1

63 116.8 76.4 141.8





#13

Acetone

Concen: 56.368 ug/L

RT: 2.178 min Scan# 3

Delta R.T. 0.003 min

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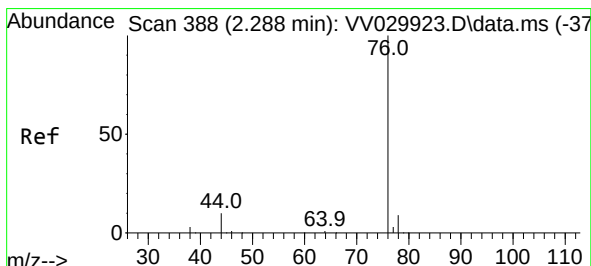
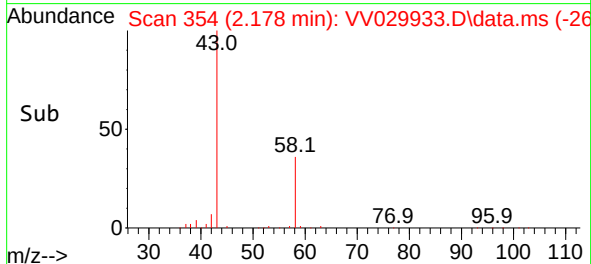
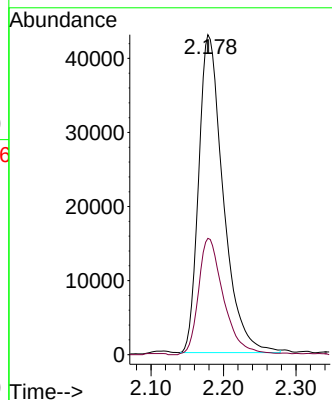
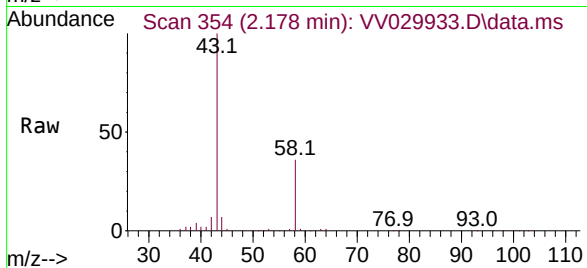
VSTD005391

Tgt Ion: 43 Resp: 101046

Ion Ratio Lower Upper

43 100

58 37.3 0.0 68.8



#14

Carbon disulfide

Concen: 4.561 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.003 min

Lab File: VV029933.D

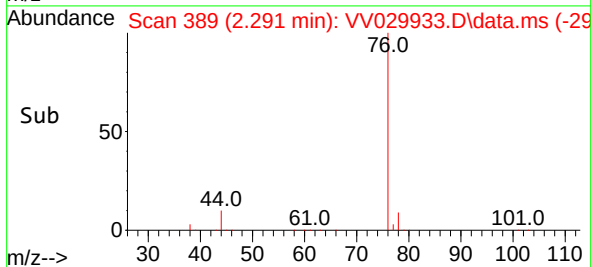
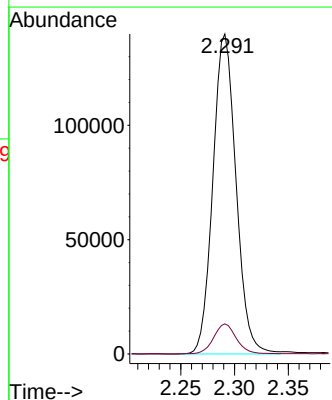
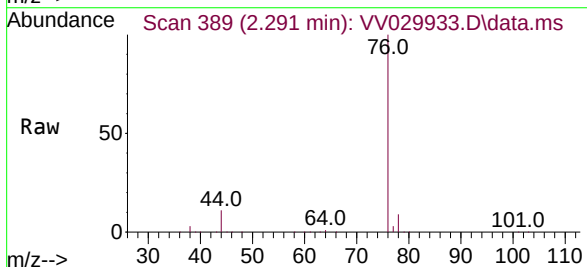
Acq: 24 Jan 2023 19:15

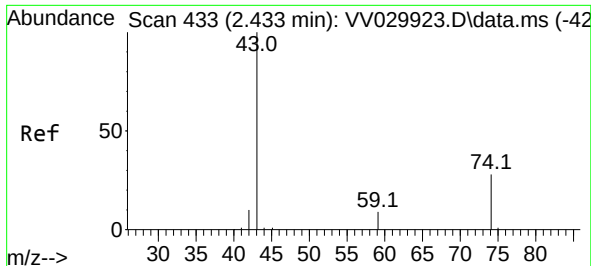
Tgt Ion: 76 Resp: 209484

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

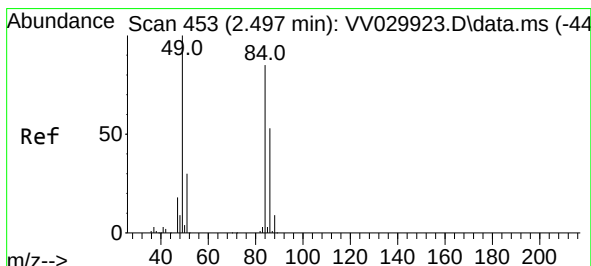
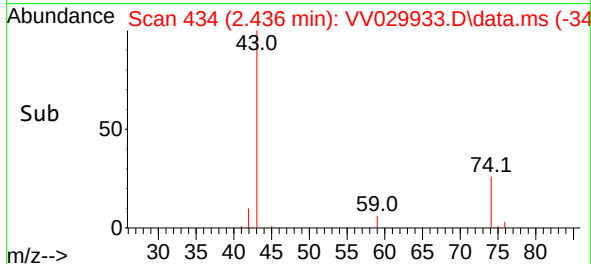
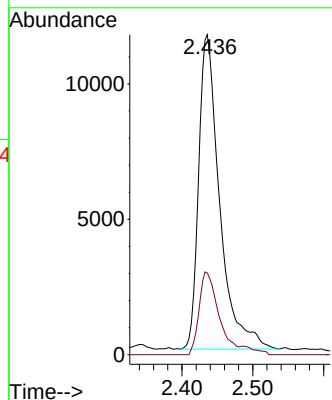
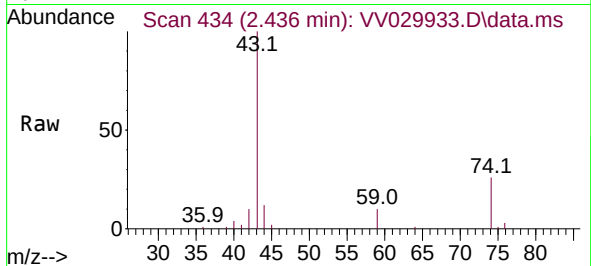




#15
Methyl Acetate
Concen: 5.116 ug/L
RT: 2.436 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

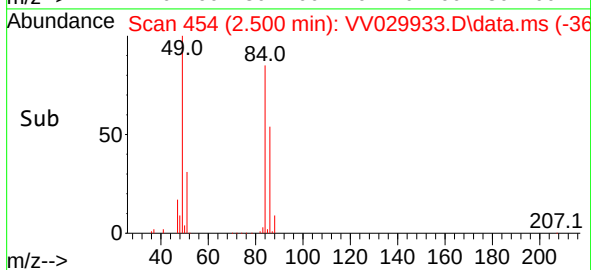
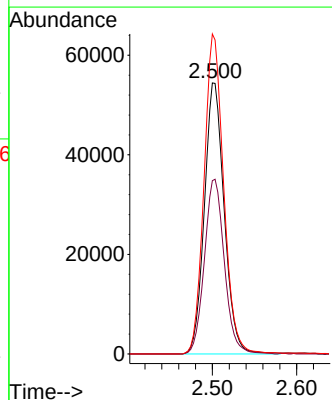
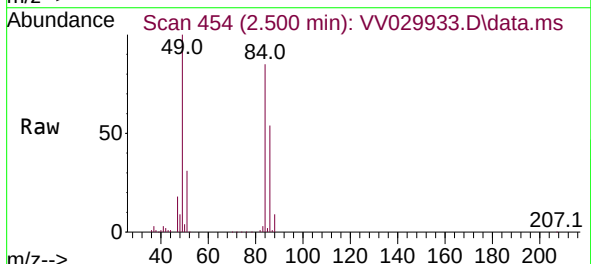
Instrument :
MSVOA_V
ClientSampleId :
VSTD005391

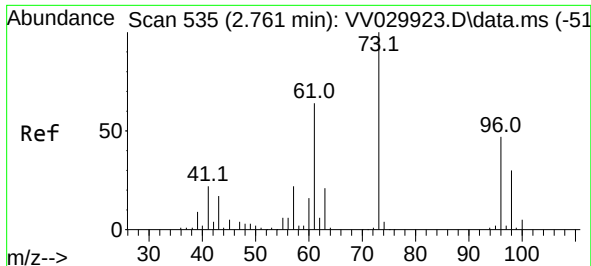
Tgt Ion: 43 Resp: 23885
Ion Ratio Lower Upper
43 100
74 24.4 23.4 35.0



#16
Methylene chloride
Concen: 4.506 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.003 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

Tgt Ion: 84 Resp: 89296
Ion Ratio Lower Upper
84 100
86 63.9 45.0 83.6
49 118.1 71.5 132.7





#17

Methyl tert-butyl Ether

Concen: 5.146 ug/L

RT: 2.764 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

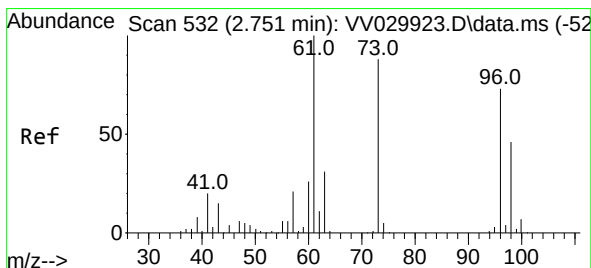
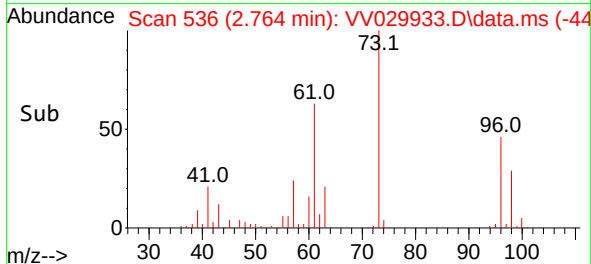
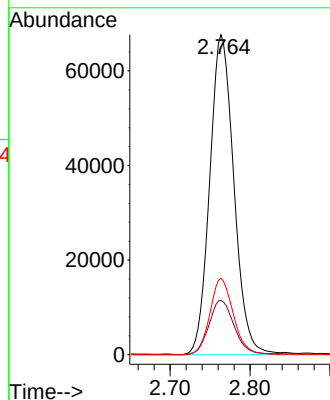
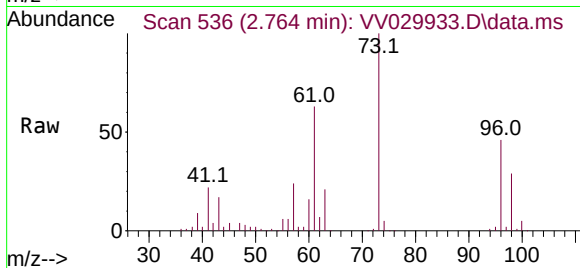
MSVOA_V

ClientSampleId :

VSTD005391

Tgt Ion: 73 Resp: 141942

Ion	Ratio	Lower	Upper
73	100		
43	17.8	13.0	19.4
57	23.1	17.1	25.7



#18

trans-1,2-Dichloroethene

Concen: 5.024 ug/L

RT: 2.754 min Scan# 533

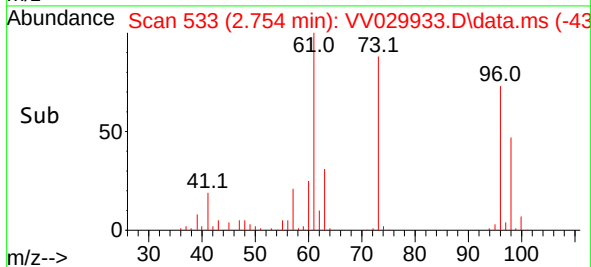
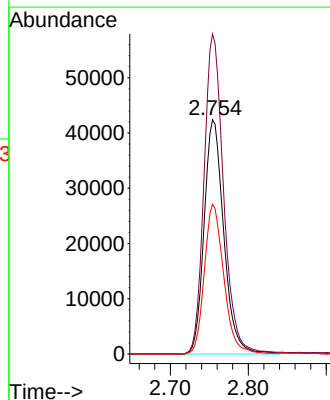
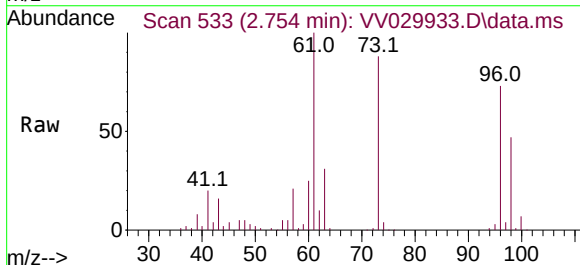
Delta R.T. 0.003 min

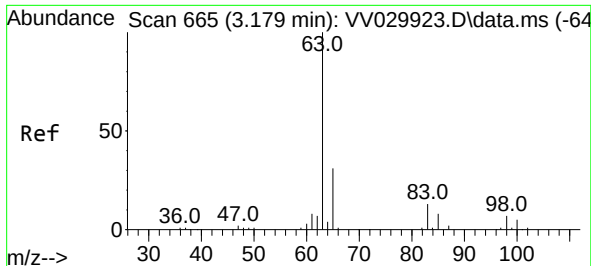
Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Tgt Ion: 96 Resp: 74494

Ion	Ratio	Lower	Upper
96	100		
61	136.6	86.1	159.9
98	63.9	43.9	81.5





#19

1,1-Dichloroethane

Concen: 5.725 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005391

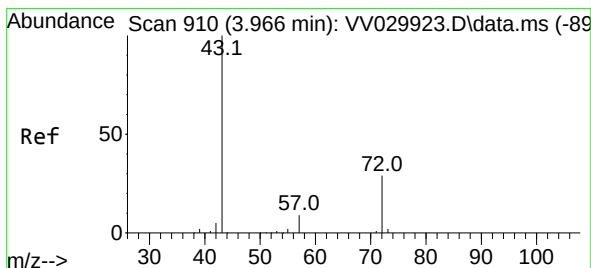
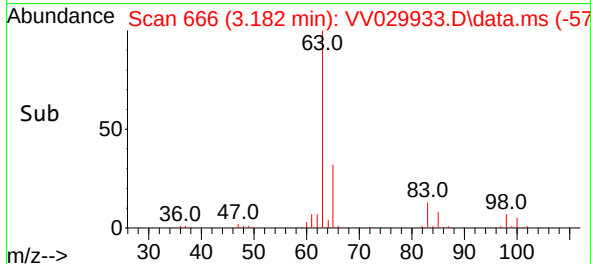
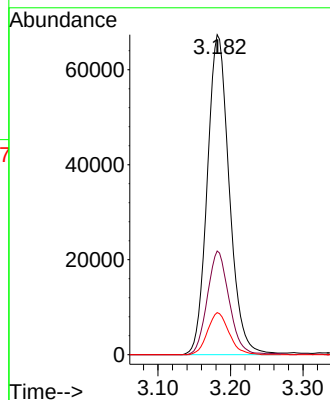
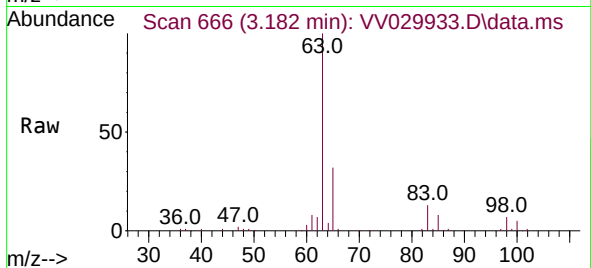
Tgt Ion: 63 Resp: 142026

Ion Ratio Lower Upper

63 100

65 32.4 22.4 41.6

83 13.1 10.2 19.0



#21

2-Butanone

Concen: 57.362 ug/L

RT: 3.973 min Scan# 912

Delta R.T. 0.006 min

Lab File: VV029933.D

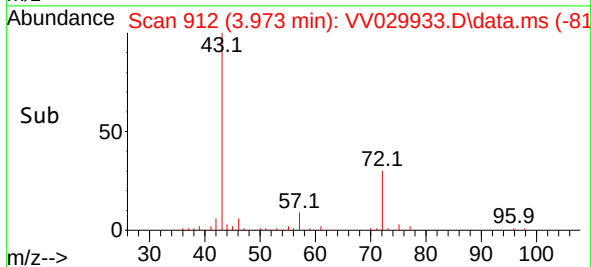
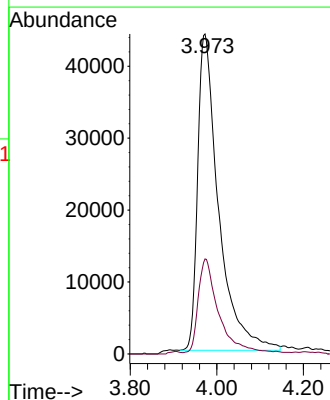
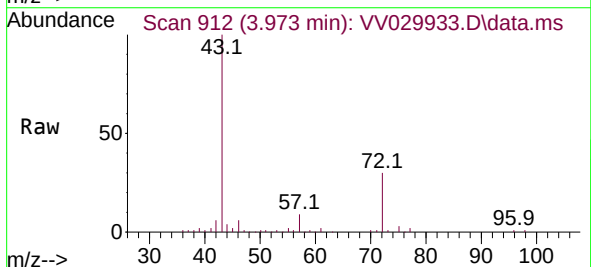
Acq: 24 Jan 2023 19:15

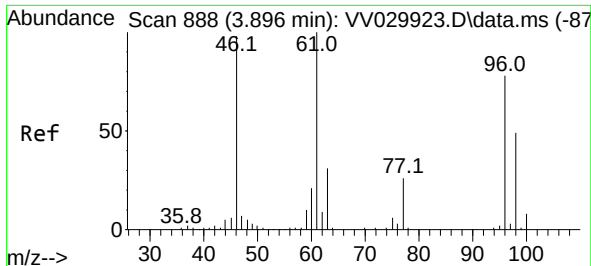
Tgt Ion: 43 Resp: 147310

Ion Ratio Lower Upper

43 100

72 28.9 13.9 41.6

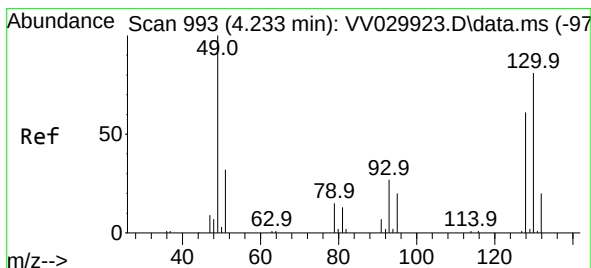
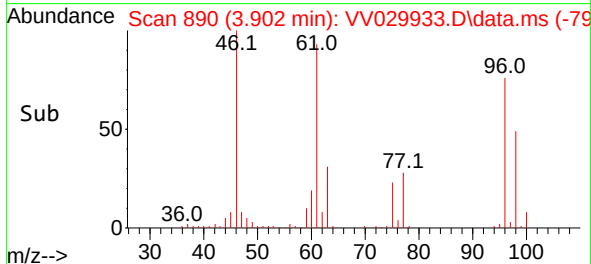
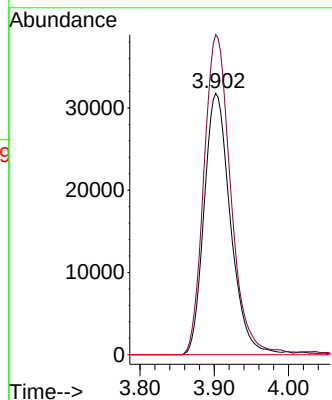
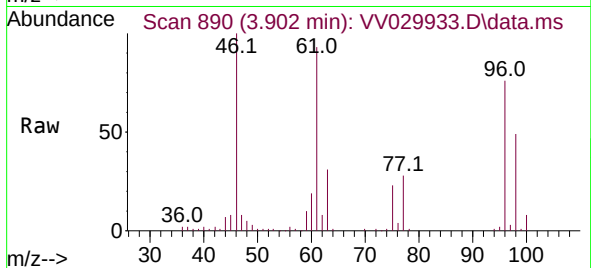




#22
 cis-1,2-Dichloroethene
 Concen: 4.953 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.006 min
 Lab File: VV029933.D
 Acq: 24 Jan 2023 19:15

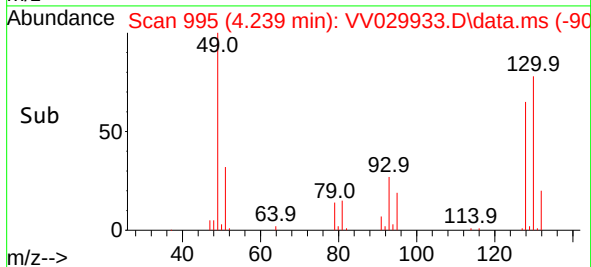
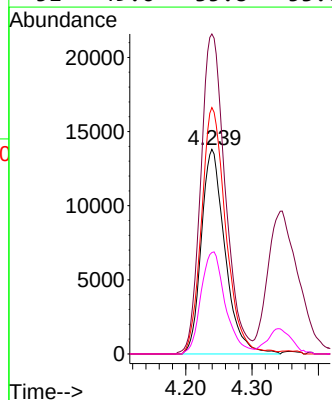
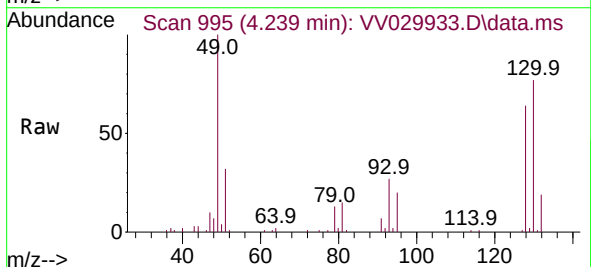
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005391

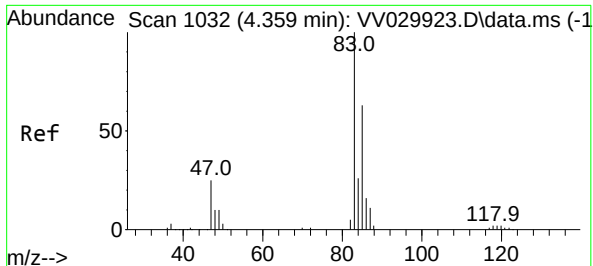
Tgt Ion: 96 Resp: 78260
 Ion Ratio Lower Upper
 96 100
 61 122.5 80.0 148.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.251 ug/L
 RT: 4.239 min Scan# 995
 Delta R.T. 0.006 min
 Lab File: VV029933.D
 Acq: 24 Jan 2023 19:15

Tgt Ion: 128 Resp: 34263
 Ion Ratio Lower Upper
 128 100
 49 156.4 91.2 169.4
 130 120.4 87.0 161.6
 51 49.6 35.8 53.6





#25

Chloroform

Concen: 5.233 ug/L

RT: 4.365 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

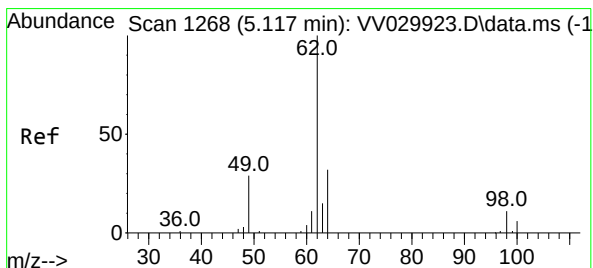
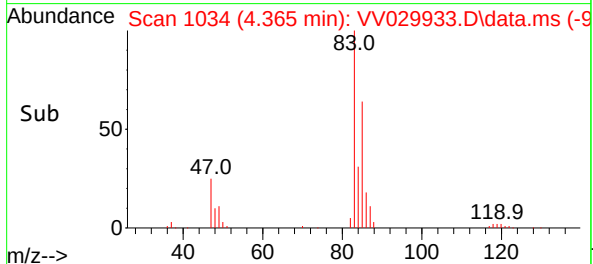
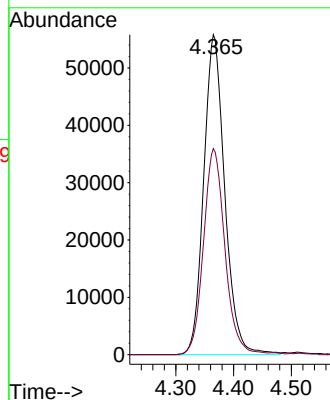
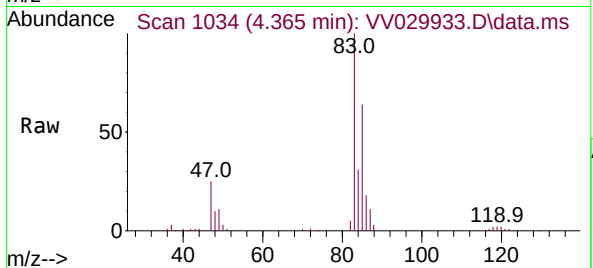
VSTD005391

Tgt Ion: 83 Resp: 141119

Ion Ratio Lower Upper

83 100

85 64.4 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.450 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VV029933.D

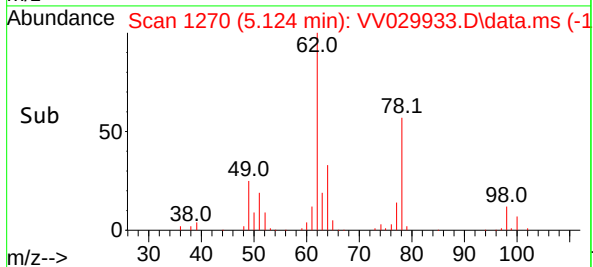
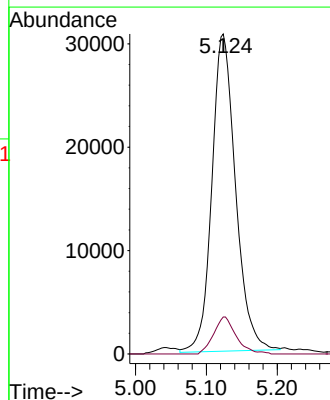
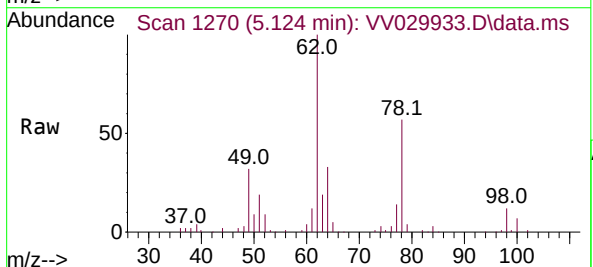
Acq: 24 Jan 2023 19:15

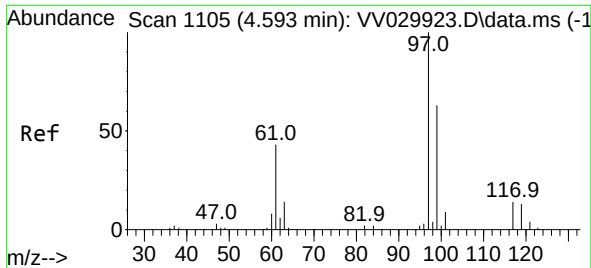
Tgt Ion: 62 Resp: 71397

Ion Ratio Lower Upper

62 100

98 11.5 8.9 13.3





#29

1,1,1-Trichloroethane

Concen: 4.891 ug/L

RT: 4.600 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005391

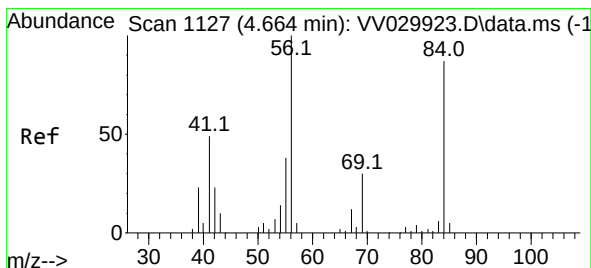
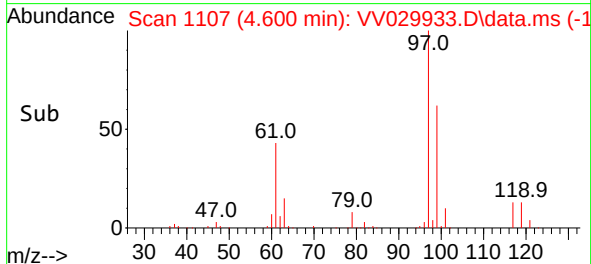
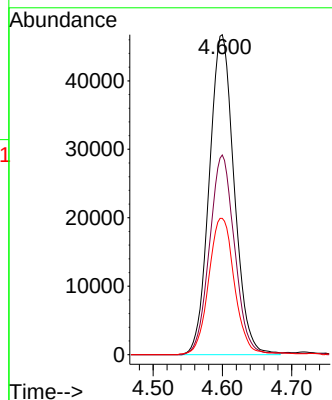
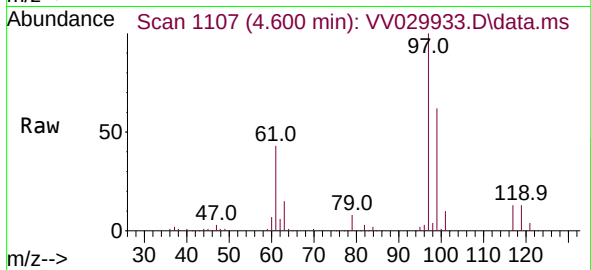
Tgt Ion: 97 Resp: 116764

Ion Ratio Lower Upper

97 100

99 62.7 51.3 76.9

61 43.9 31.6 47.4



#30

Cyclohexane

Concen: 5.048 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. 0.003 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

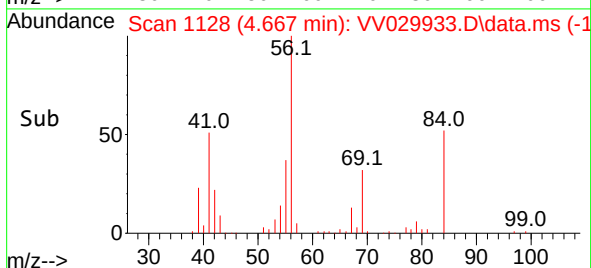
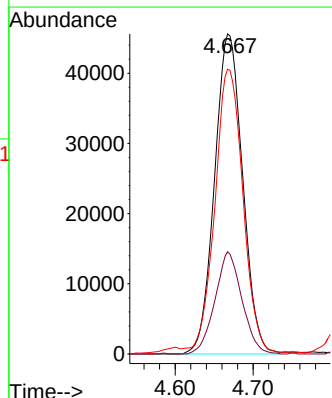
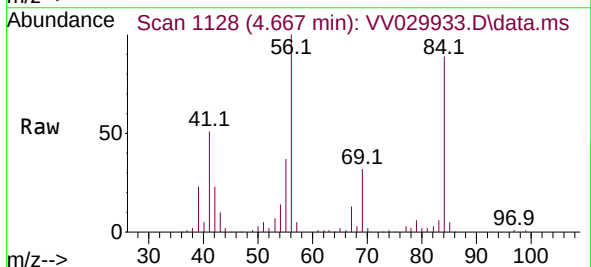
Tgt Ion: 56 Resp: 114093

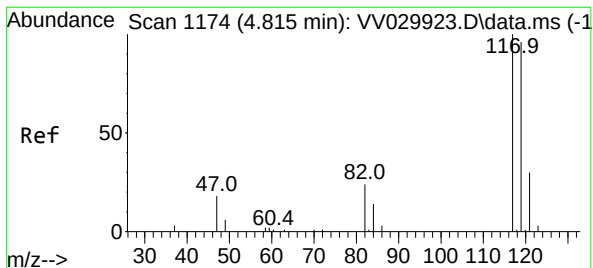
Ion Ratio Lower Upper

56 100

69 30.6 26.7 40.1

84 88.6 73.8 110.8





#31

Carbon tetrachloride

Concen: 4.601 ug/L

RT: 4.818 min Scan# 1174

Delta R.T. 0.003 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

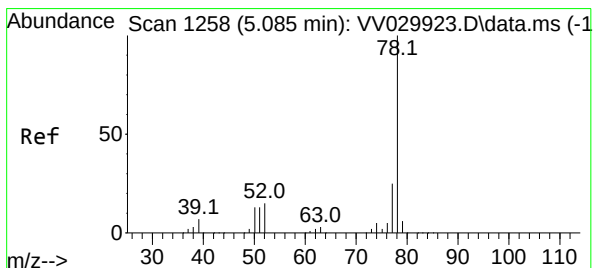
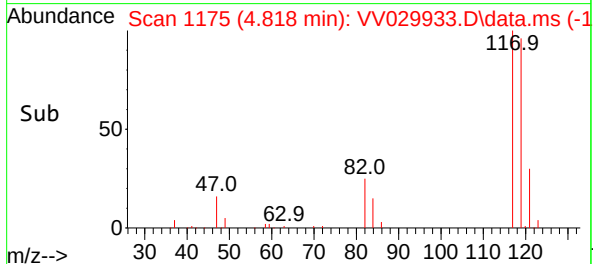
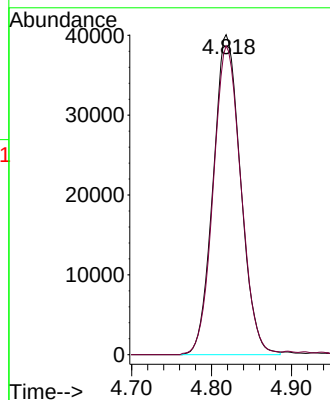
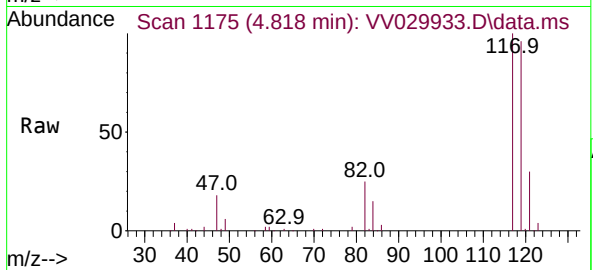
VSTD005391

Tgt Ion:117 Resp: 95577

Ion Ratio Lower Upper

117 100

119 97.4 76.6 114.8



#33

Benzene

Concen: 5.202 ug/L

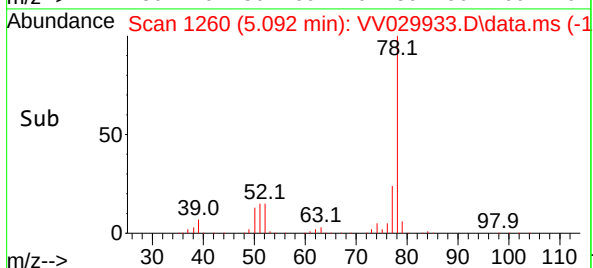
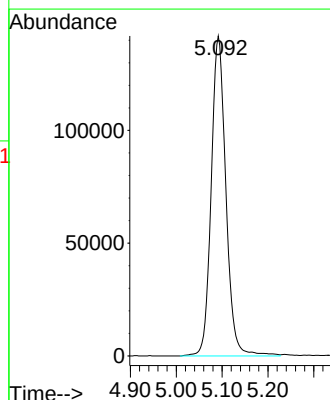
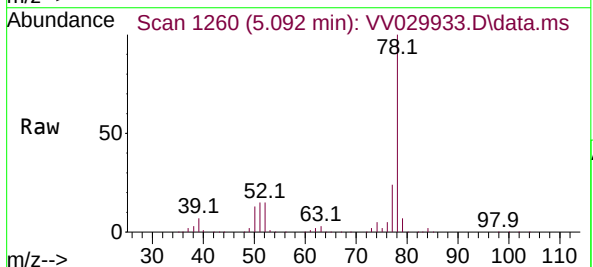
RT: 5.092 min Scan# 1260

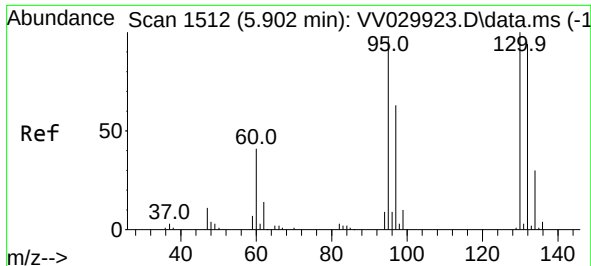
Delta R.T. 0.006 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Tgt Ion: 78 Resp: 316223





#34

Trichloroethene

Concen: 4.903 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. 0.006 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005391

Tgt Ion: 95 Resp: 75526

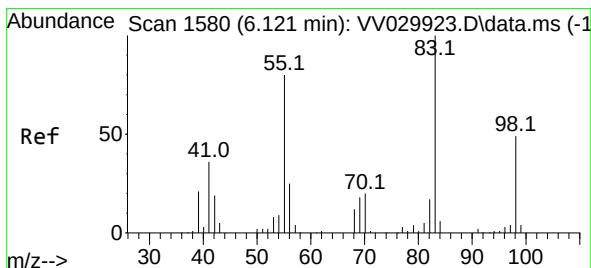
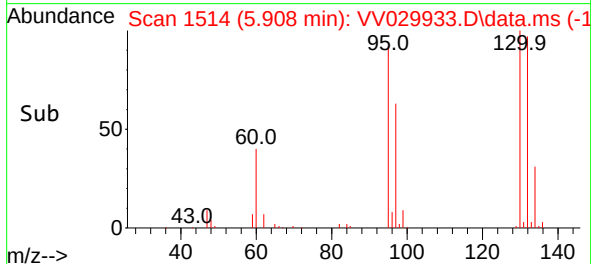
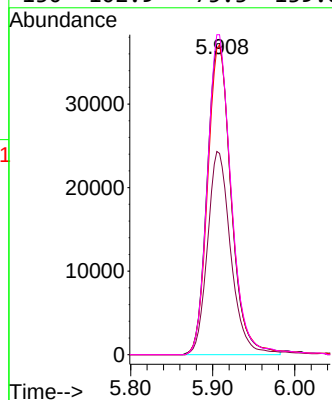
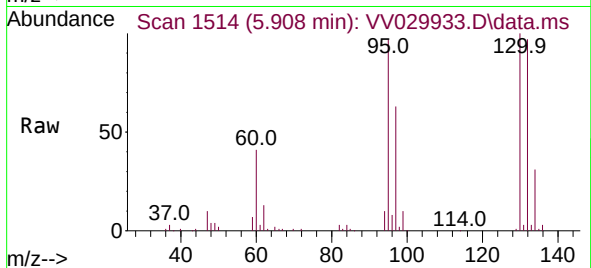
Ion Ratio Lower Upper

95 100

97 64.7 44.9 83.3

132 99.7 71.8 133.4

130 102.9 75.3 139.8



#35

Methylcyclohexane

Concen: 4.634 ug/L

RT: 6.120 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

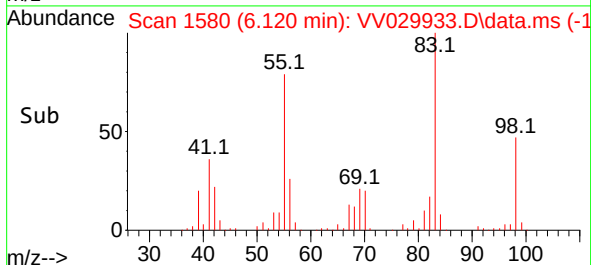
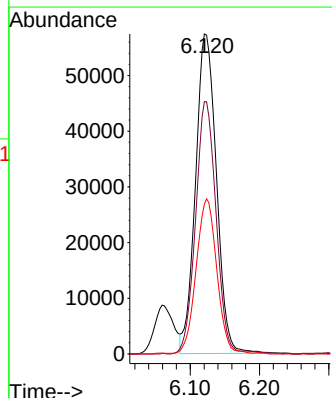
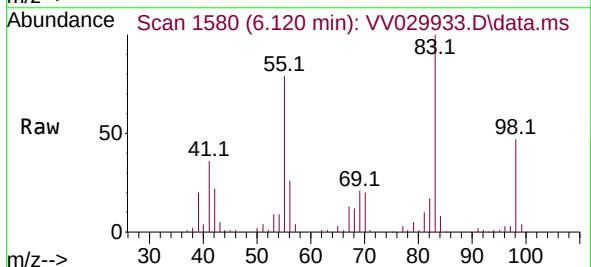
Tgt Ion: 83 Resp: 120514

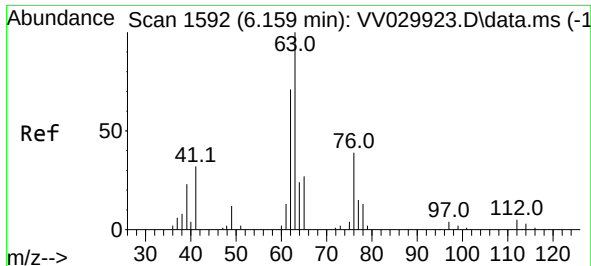
Ion Ratio Lower Upper

83 100

55 78.0 57.3 85.9

98 47.4 39.0 58.6





#37

1,2-Dichloropropane

Concen: 5.520 ug/L

RT: 6.165 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

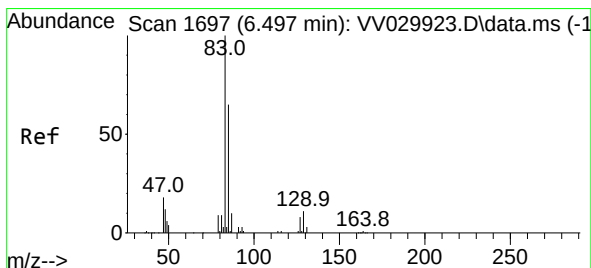
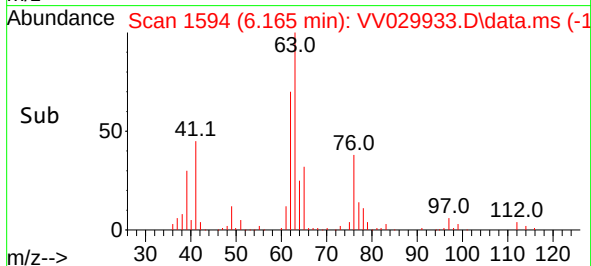
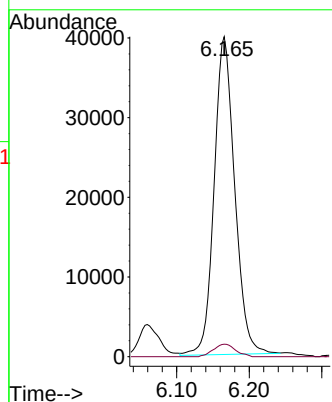
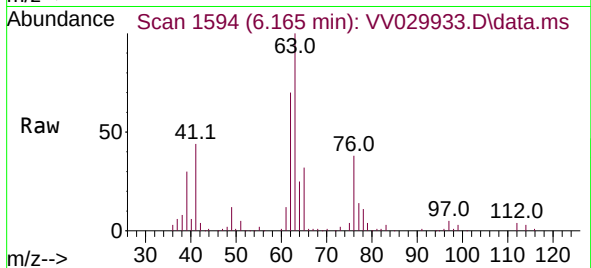
VSTD005391

Tgt Ion: 63 Resp: 78584

Ion Ratio Lower Upper

63 100

112 4.2 3.9 5.9



#38

Bromodichloromethane

Concen: 5.030 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. 0.003 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

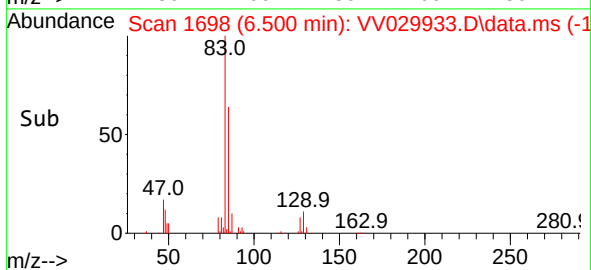
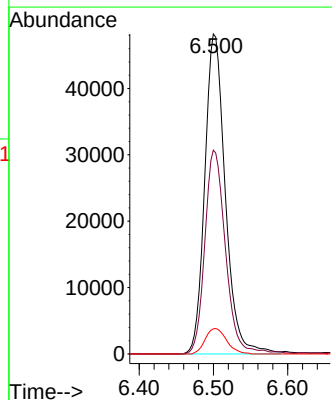
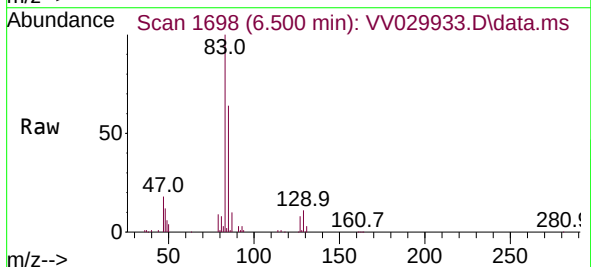
Tgt Ion: 83 Resp: 92604

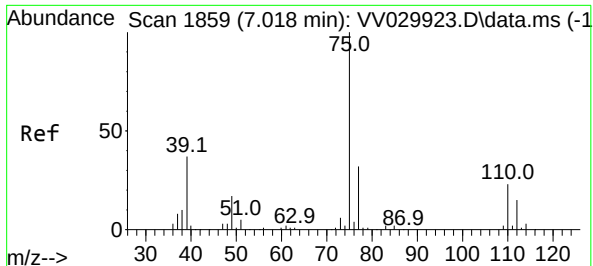
Ion Ratio Lower Upper

83 100

85 63.7 43.2 80.2

127 7.9 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.804 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.003 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

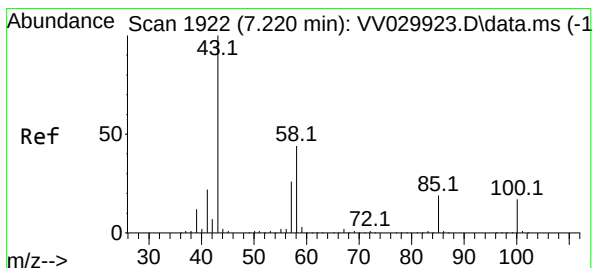
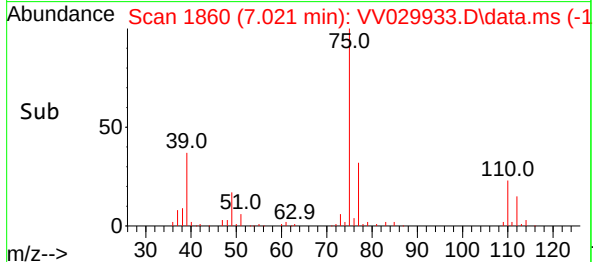
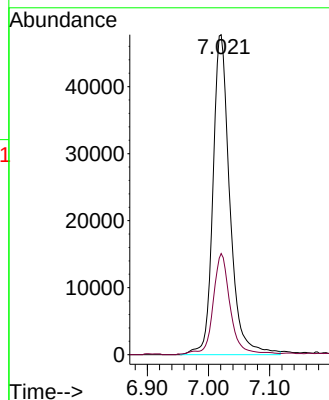
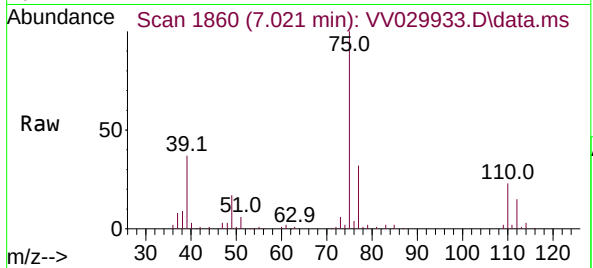
VSTD005391

Tgt Ion: 75 Resp: 91709

Ion Ratio Lower Upper

75 100

77 31.6 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 59.151 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

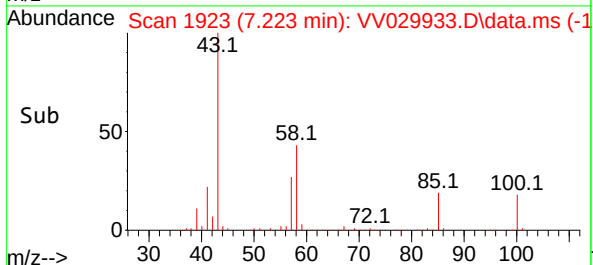
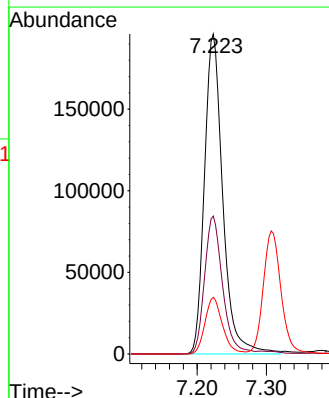
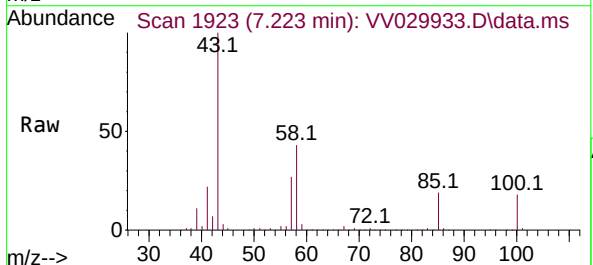
Tgt Ion: 43 Resp: 359352

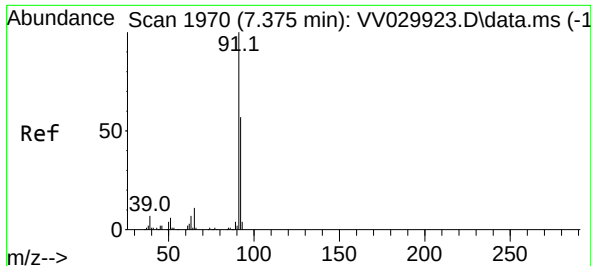
Ion Ratio Lower Upper

43 100

58 42.4 36.7 55.1

100 16.9 15.6 23.4





#42

Toluene

Concen: 5.047 ug/L

RT: 7.381 min Scan# 1970

Delta R.T. 0.006 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

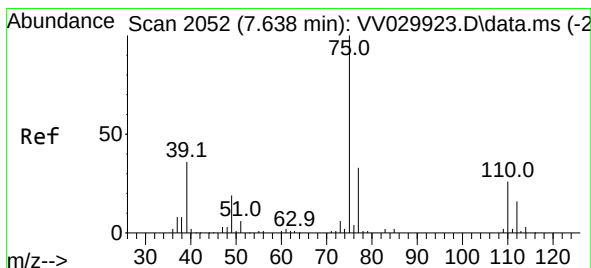
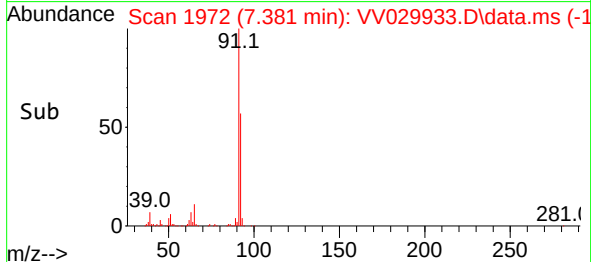
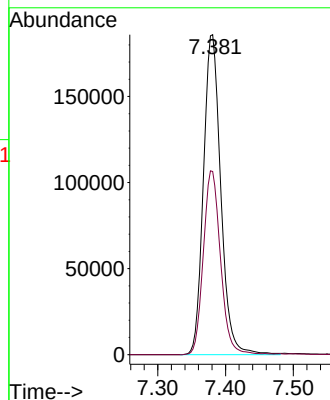
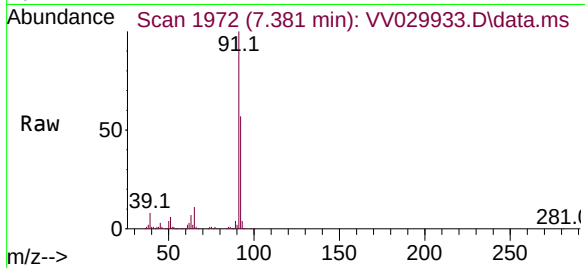
VSTD005391

Tgt Ion: 91 Resp: 330931

Ion Ratio Lower Upper

91 100

92 57.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.739 ug/L

RT: 7.644 min Scan# 2054

Delta R.T. 0.006 min

Lab File: VV029933.D

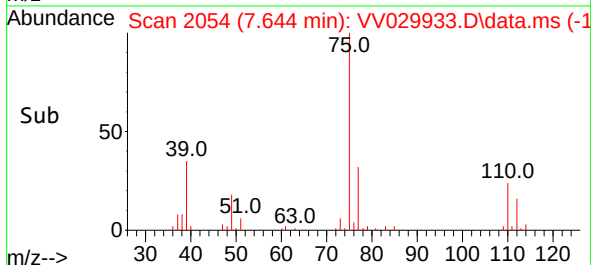
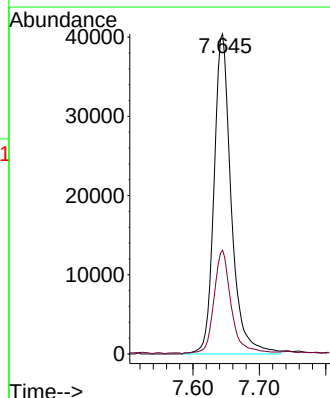
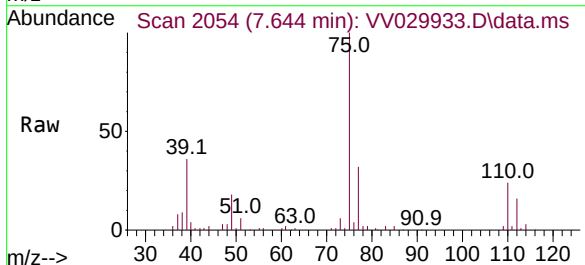
Acq: 24 Jan 2023 19:15

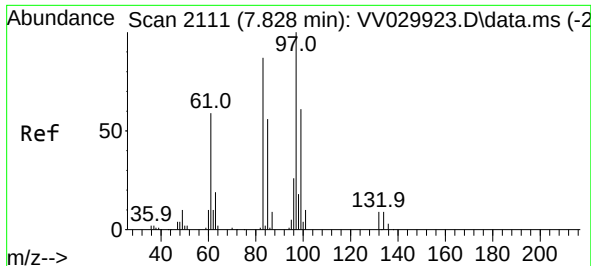
Tgt Ion: 75 Resp: 72910

Ion Ratio Lower Upper

75 100

77 32.4 21.9 40.7

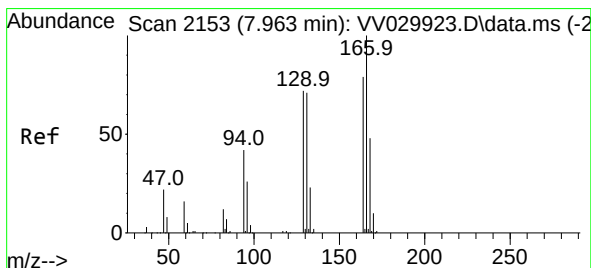
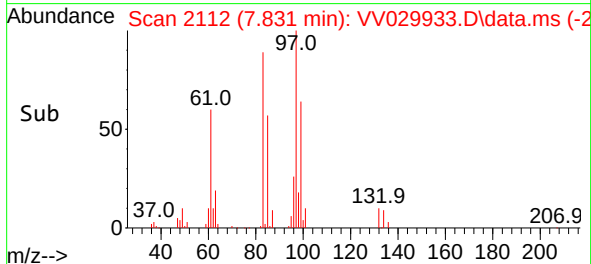
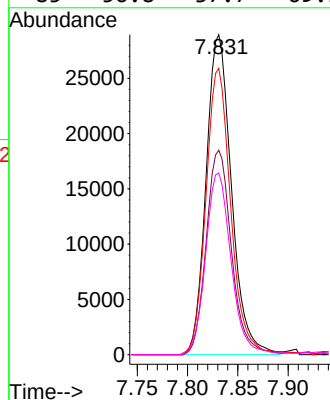
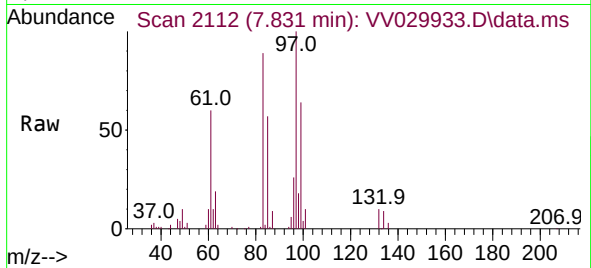




#45
1,1,2-Trichloroethane
Concen: 4.955 ug/L
RT: 7.831 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

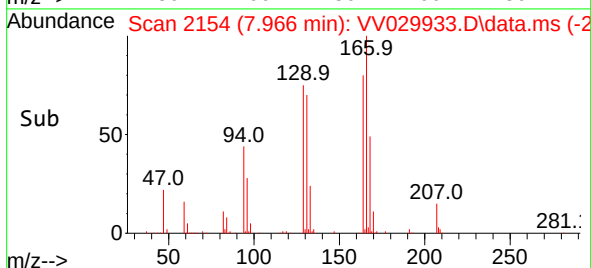
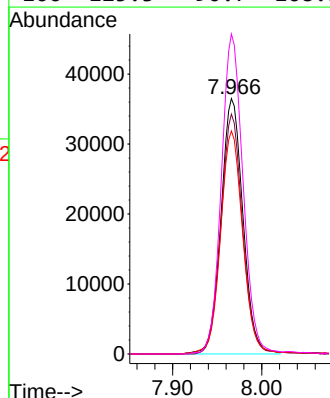
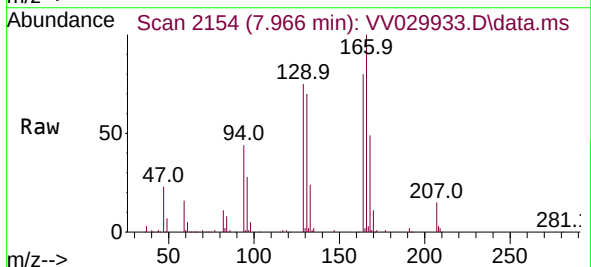
Instrument :
MSVOA_V
ClientSampleId :
VSTD005391

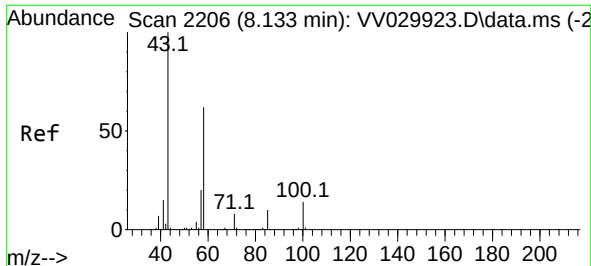
Tgt Ion:	97	Resp:	50819
Ion	Ratio	Lower	Upper
97	100		
99	63.9	41.9	77.7
83	89.4	58.7	109.1
85	56.8	37.7	69.9



#47
Tetrachloroethene
Concen: 4.835 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. 0.003 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

Tgt Ion:	164	Resp:	62713
Ion	Ratio	Lower	Upper
164	100		
129	94.0	64.5	119.7
131	87.4	62.9	116.7
166	125.3	90.7	168.5

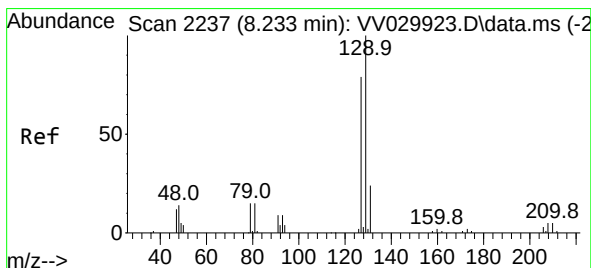
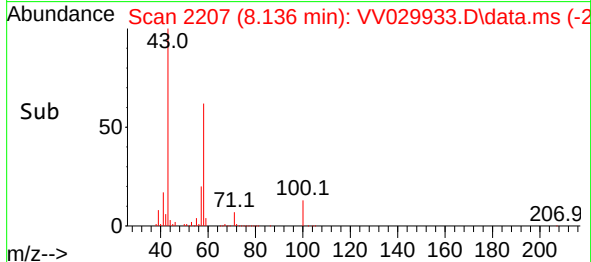
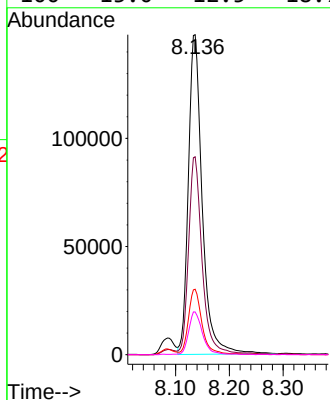
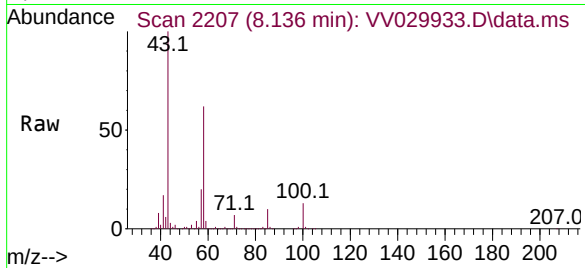




#48
2-Hexanone
Concen: 61.212 ug/L
RT: 8.136 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

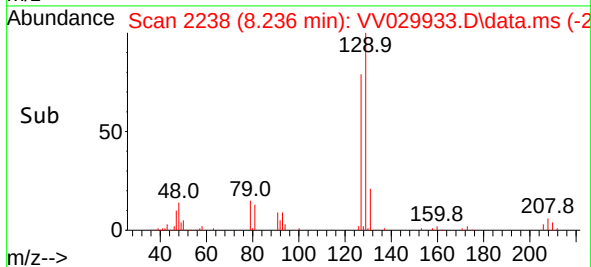
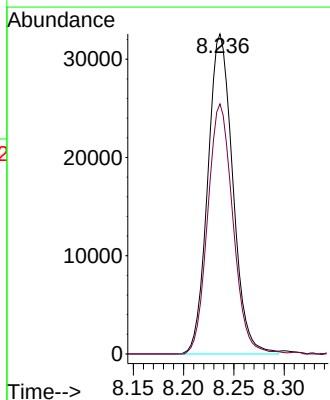
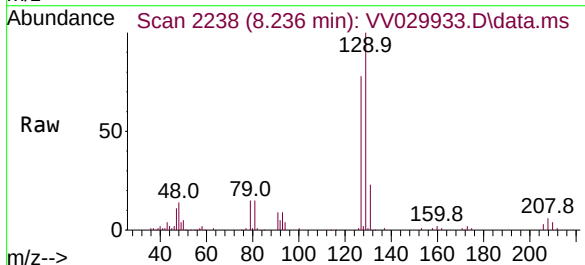
Instrument :
MSVOA_V
ClientSampleId :
VSTD005391

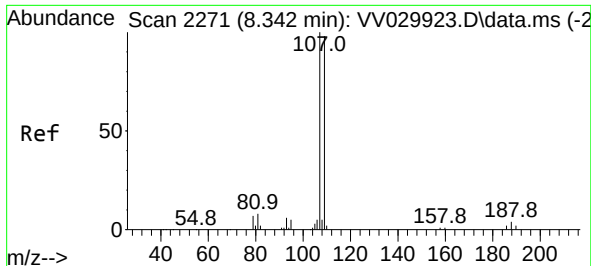
Tgt Ion: 43 Resp: 265802
Ion Ratio Lower Upper
43 100
58 59.1 51.4 77.2
57 19.4 17.0 25.6
100 13.0 12.5 18.7



#49
Dibromochloromethane
Concen: 4.681 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. 0.003 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

Tgt Ion: 129 Resp: 56346
Ion Ratio Lower Upper
129 100
127 78.2 54.1 100.5





#50

1,2-Dibromoethane

Concen: 5.034 ug/L

RT: 8.342 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005391

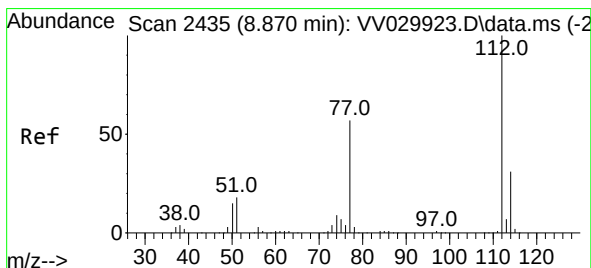
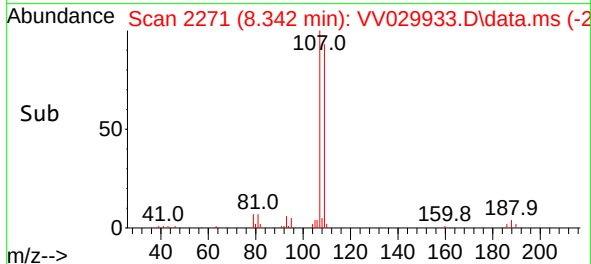
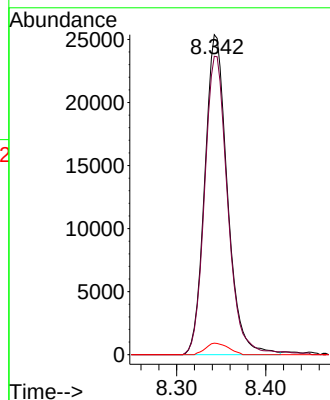
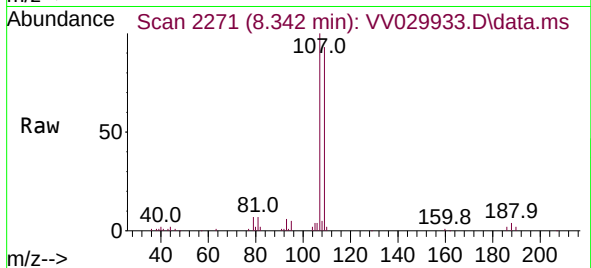
Tgt Ion:107 Resp: 44822

Ion Ratio Lower Upper

107 100

109 93.3 66.1 122.7

188 3.6 2.9 4.3



#51

Chlorobenzene

Concen: 4.905 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.003 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

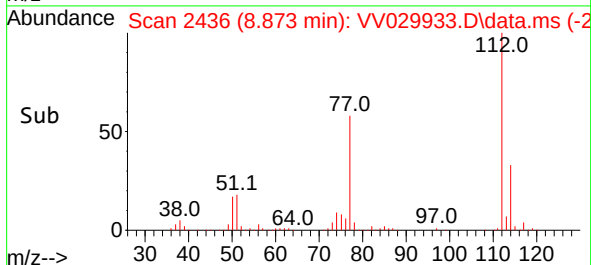
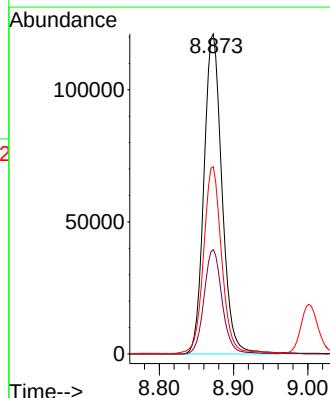
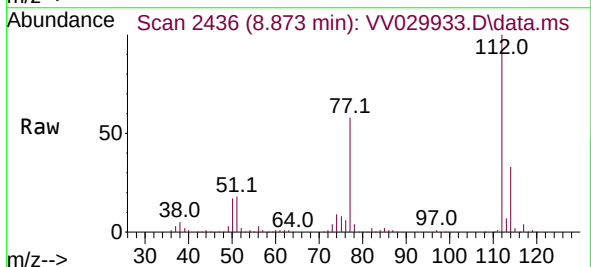
Tgt Ion:112 Resp: 204174

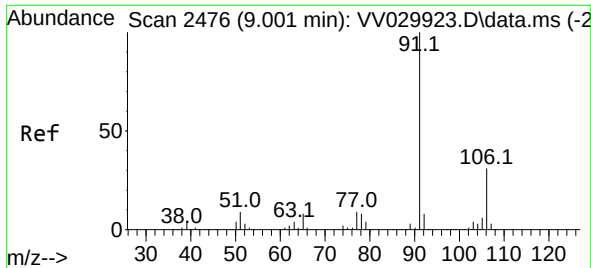
Ion Ratio Lower Upper

112 100

114 32.6 22.5 41.9

77 58.5 46.1 69.1

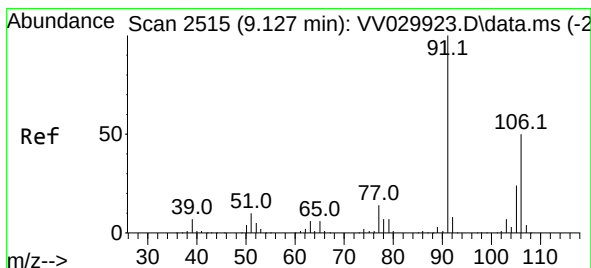
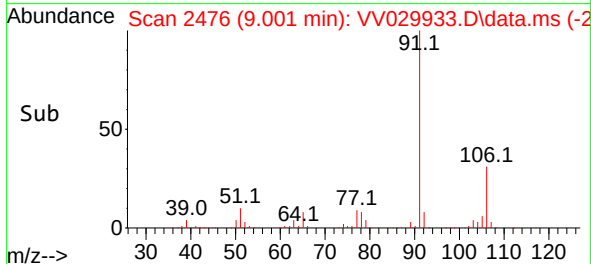
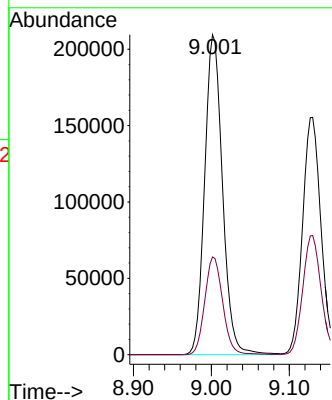
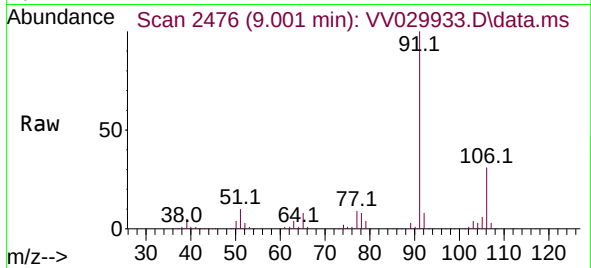




#52
Ethylbenzene
Concen: 4.860 ug/L
RT: 9.001 min Scan# 2476
Delta R.T. -0.000 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

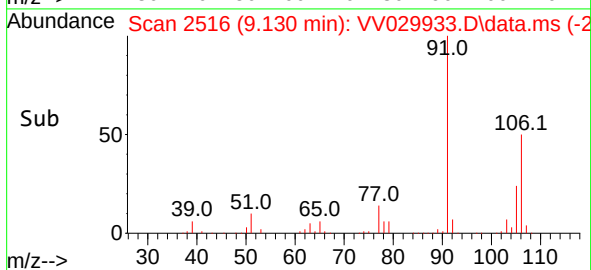
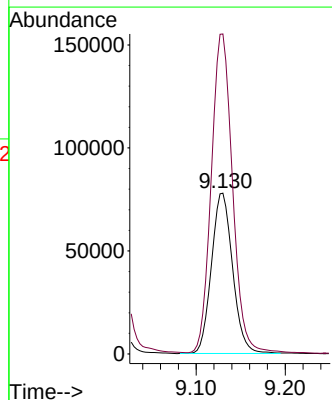
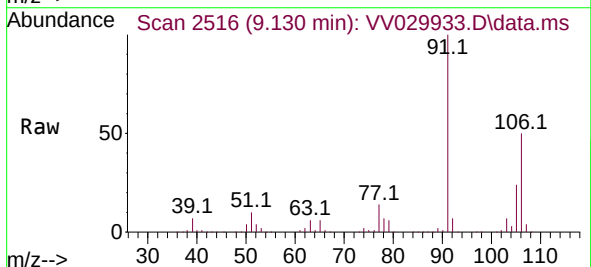
Instrument :
MSVOA_V
ClientSampleId :
VSTD005391

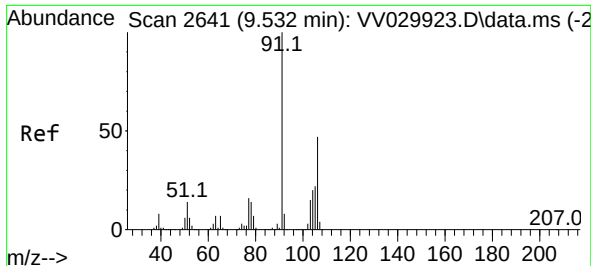
Tgt Ion: 91 Resp: 333504
Ion Ratio Lower Upper
91 100
106 30.6 21.9 40.7



#53
m,p-Xylene
Concen: 4.726 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

Tgt Ion: 106 Resp: 128352
Ion Ratio Lower Upper
106 100
91 199.0 138.7 257.7

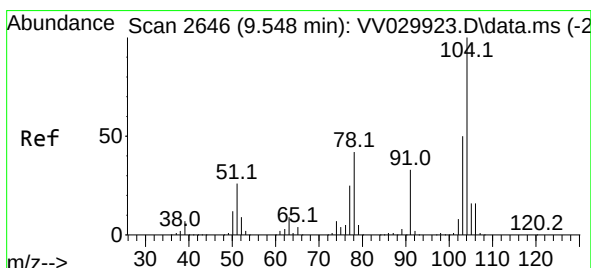
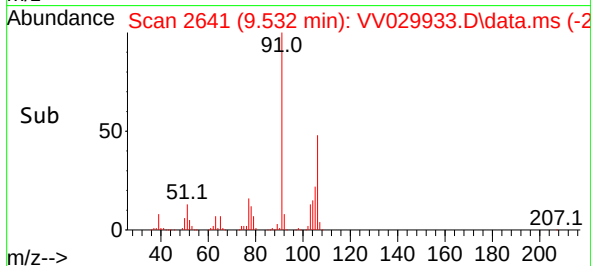
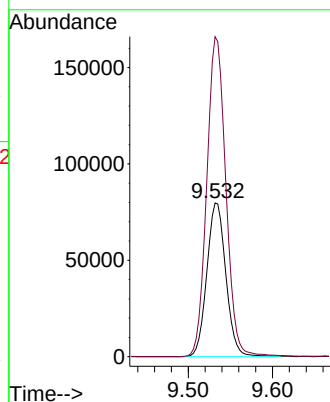
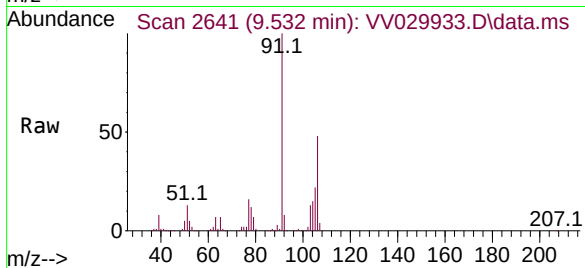




#54
o-Xylene
Concen: 4.868 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. -0.000 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

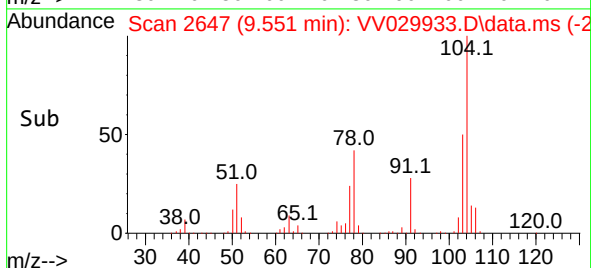
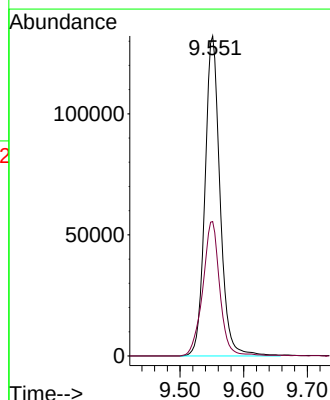
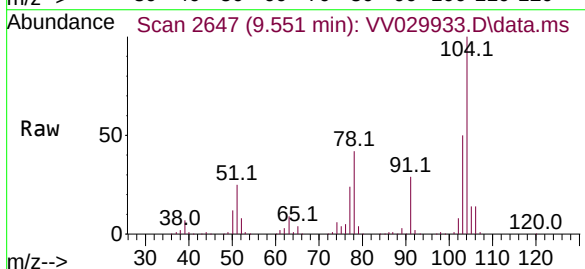
Instrument :
MSVOA_V
ClientSampleId :
VSTD005391

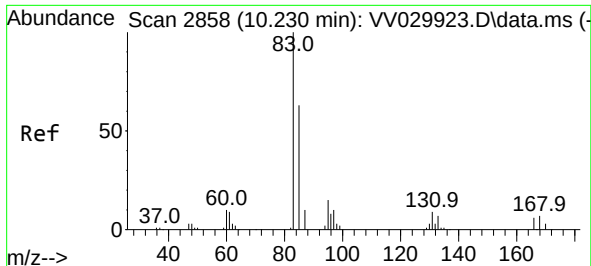
Tgt Ion:106 Resp: 125482
Ion Ratio Lower Upper
106 100
91 208.2 147.7 274.3



#55
Styrene
Concen: 4.920 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.003 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

Tgt Ion:104 Resp: 218113
Ion Ratio Lower Upper
104 100
78 42.0 28.6 53.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.538 ug/L

RT: 10.230 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005391

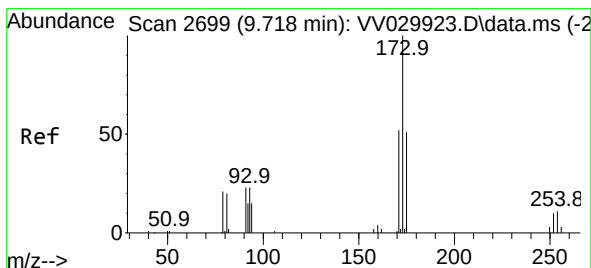
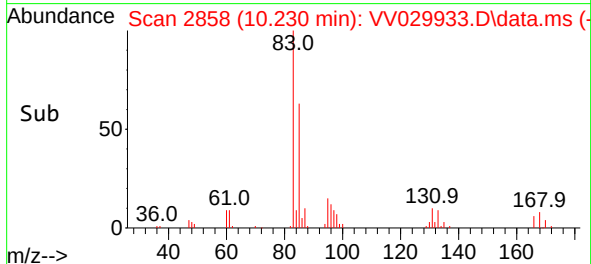
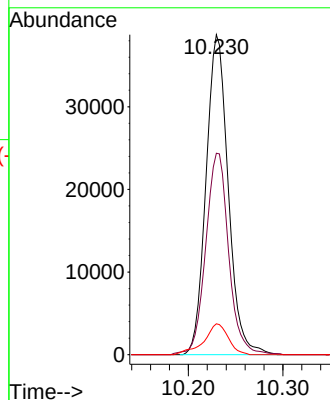
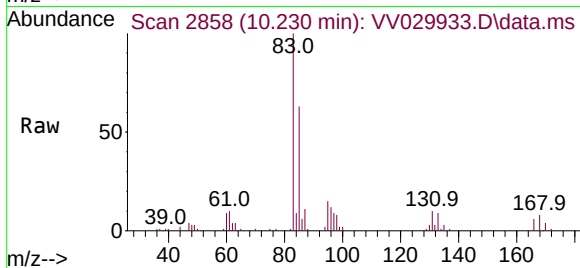
Tgt Ion: 83 Resp: 63094

Ion Ratio Lower Upper

83 100

85 63.0 46.0 85.4

131 9.7 8.4 12.6



#59

Bromoform

Concen: 3.741 ug/L

RT: 9.722 min Scan# 2700

Delta R.T. 0.003 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

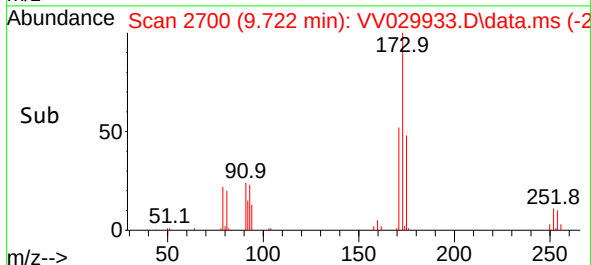
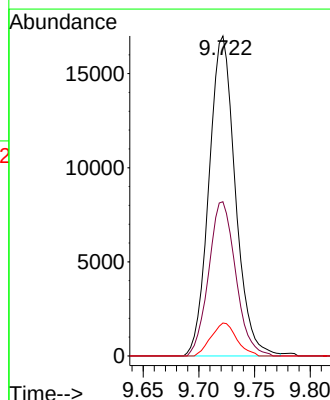
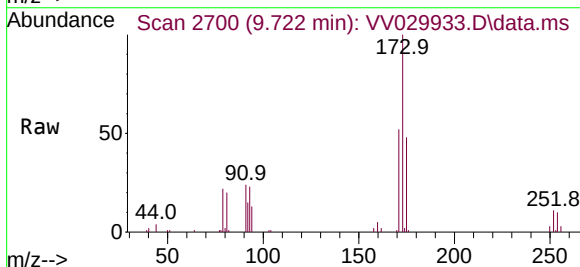
Tgt Ion: 173 Resp: 27933

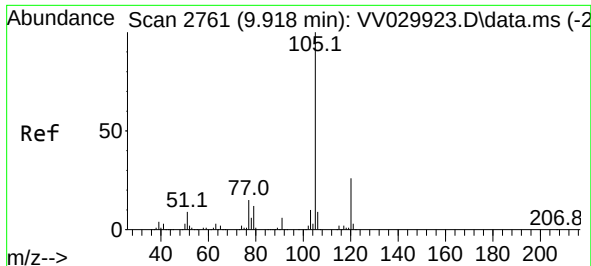
Ion Ratio Lower Upper

173 100

175 49.4 38.6 57.8

254 10.0 7.9 11.9

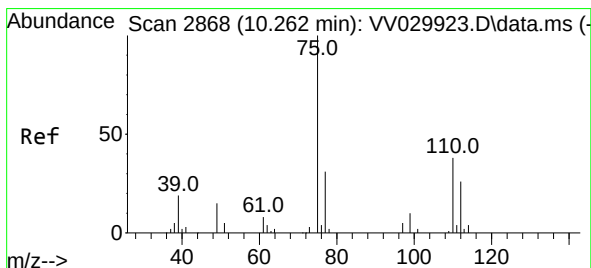
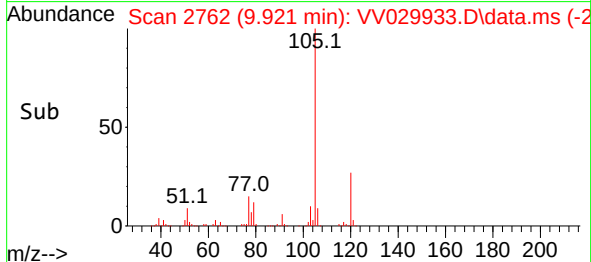
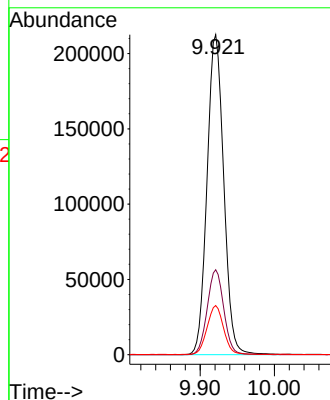
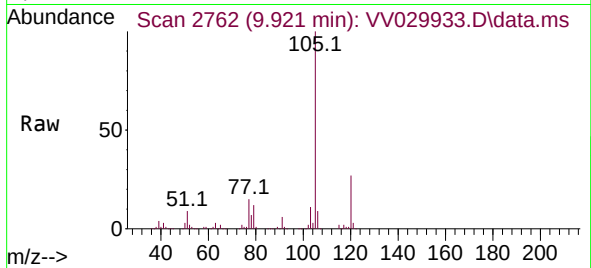




#60
Isopropylbenzene
Concen: 4.491 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

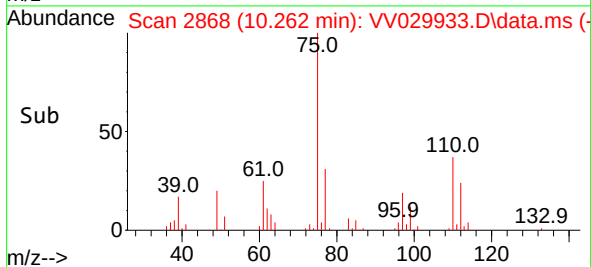
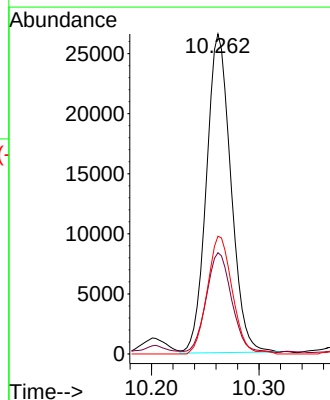
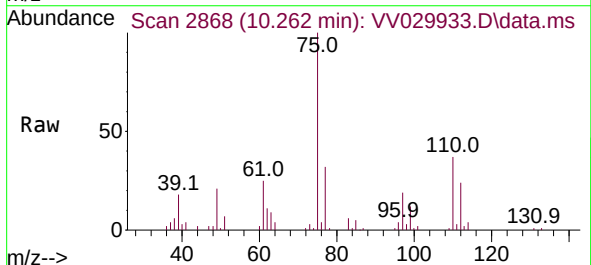
Instrument :
MSVOA_V
ClientSampleId :
VSTD005391

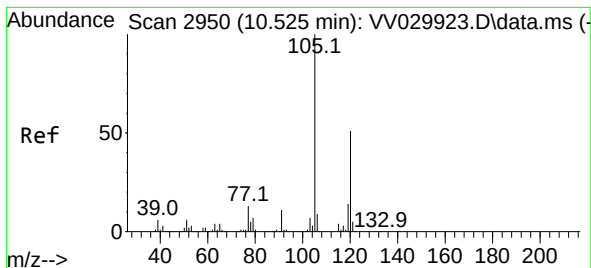
Tgt Ion:105 Resp: 330955
Ion Ratio Lower Upper
105 100
120 26.4 21.2 31.8
77 15.1 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 4.909 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.000 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

Tgt Ion: 75 Resp: 41906
Ion Ratio Lower Upper
75 100
77 32.4 26.5 39.7
110 37.8 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 4.215 ug/L

RT: 10.529 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

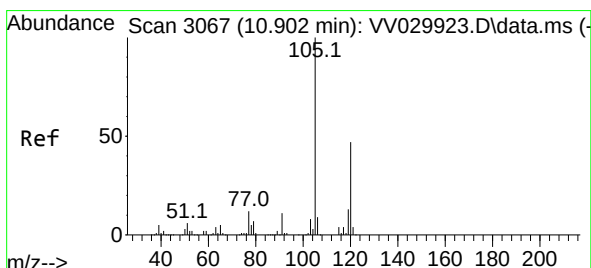
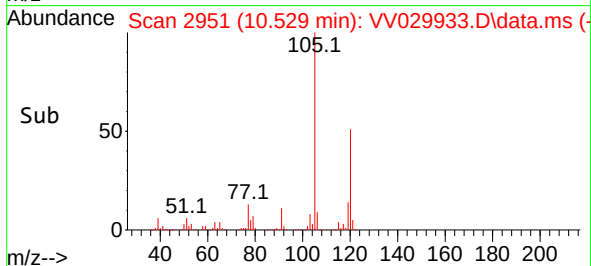
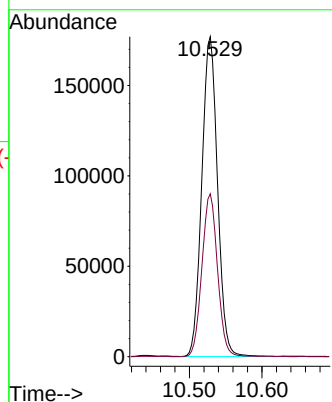
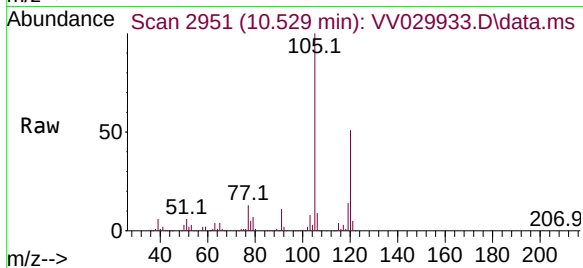
VSTD005391

Tgt Ion:105 Resp: 266196

Ion Ratio Lower Upper

105 100

120 50.6 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 4.287 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. -0.000 min

Lab File: VV029933.D

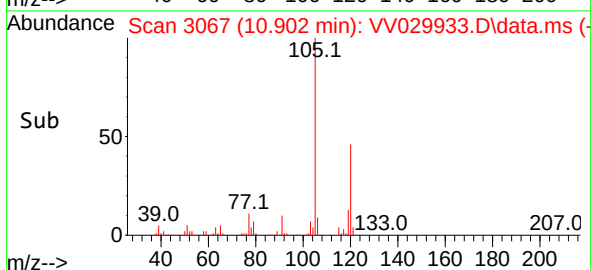
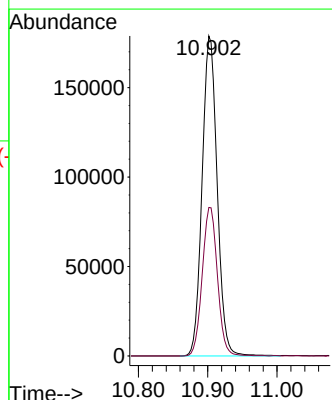
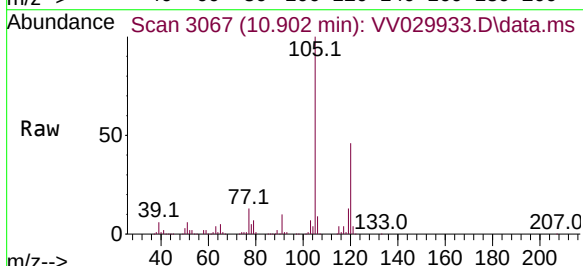
Acq: 24 Jan 2023 19:15

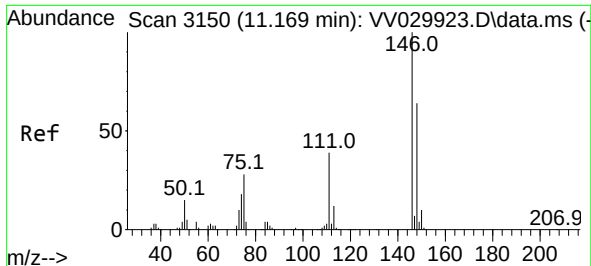
Tgt Ion:105 Resp: 269943

Ion Ratio Lower Upper

105 100

120 46.7 37.4 56.0

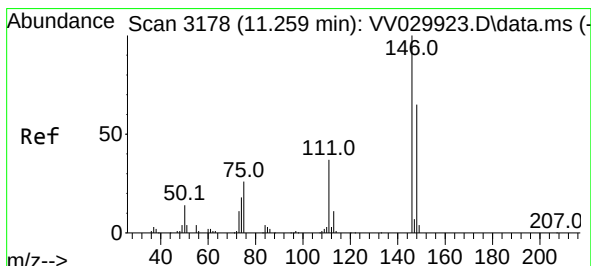
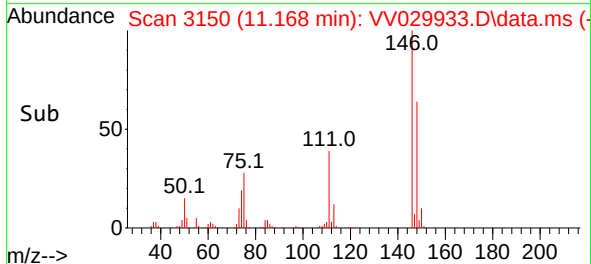
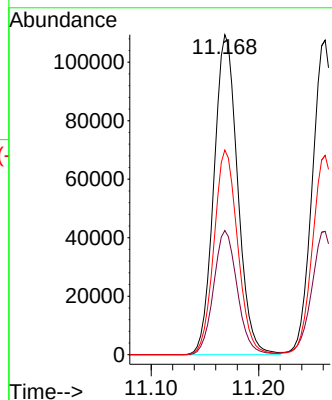
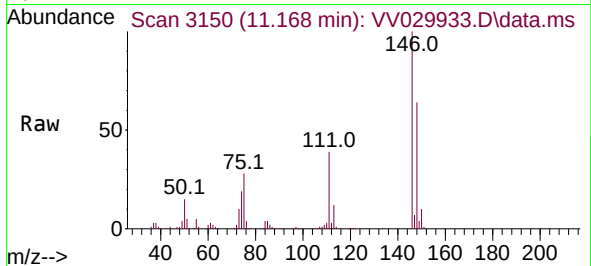




#64
1,3-Dichlorobenzene
Concen: 4.487 ug/L
RT: 11.168 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

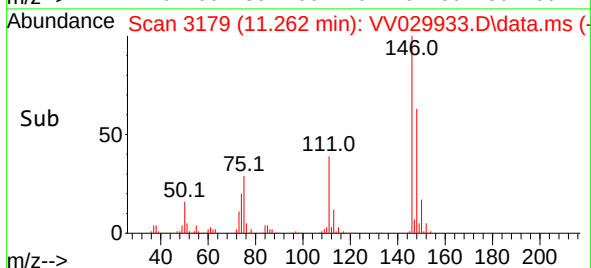
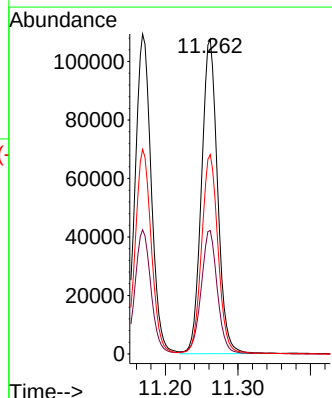
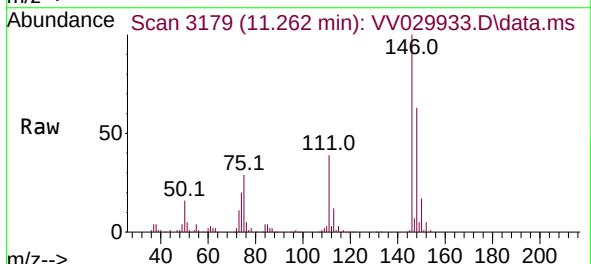
Instrument :
MSVOA_V
ClientSampleId :
VSTD005391

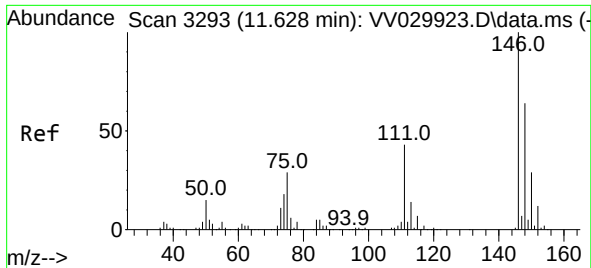
Tgt Ion:146 Resp: 167915
Ion Ratio Lower Upper
146 100
111 38.8 27.2 50.6
148 63.9 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 4.454 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

Tgt Ion:146 Resp: 166154
Ion Ratio Lower Upper
146 100
111 39.2 26.5 49.1
148 63.4 45.8 85.2

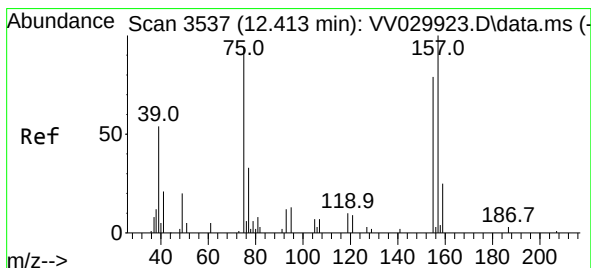
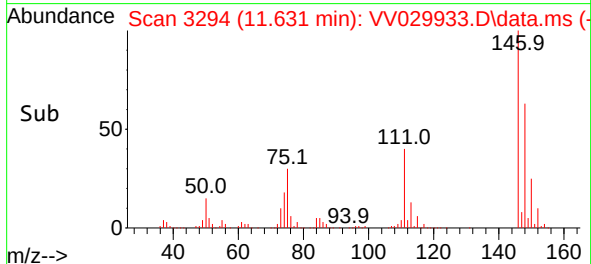
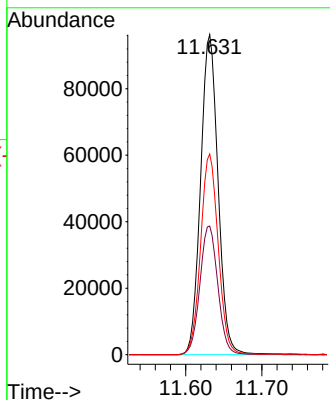
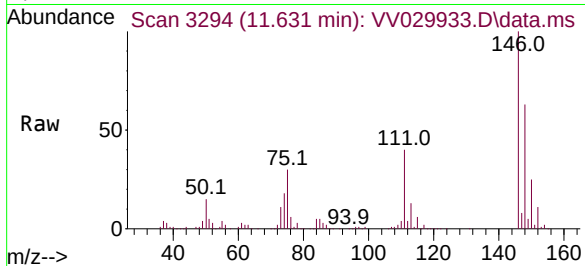




#67
1,2-Dichlorobenzene
Concen: 4.569 ug/L
RT: 11.631 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

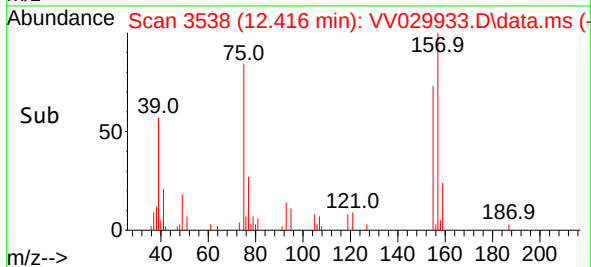
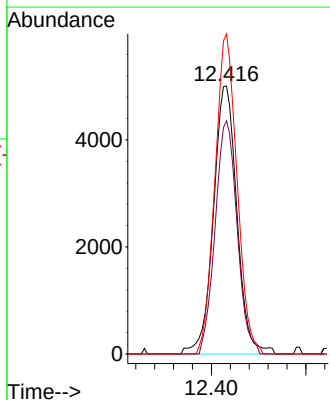
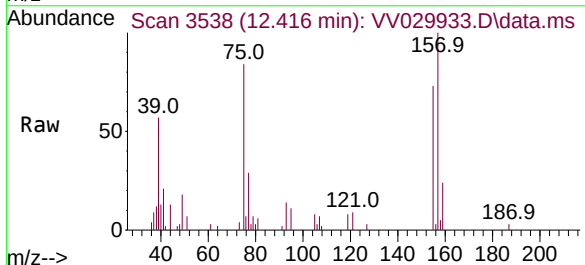
Instrument :
MSVOA_V
ClientSampleId :
VSTD005391

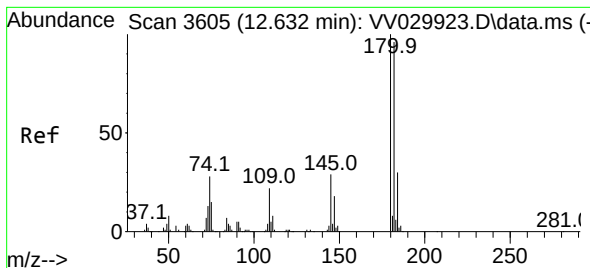
Tgt Ion:146 Resp: 153705
Ion Ratio Lower Upper
146 100
111 40.2 31.8 47.8
148 62.7 51.4 77.0



#68
1,2-Dibromo-3-chloropropane
Concen: 4.276 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VV029933.D
Acq: 24 Jan 2023 19:15

Tgt Ion: 75 Resp: 8633
Ion Ratio Lower Upper
75 100
155 87.0 75.5 113.3
157 119.4 99.2 148.8





#69

1,3,5-Trichlorobenzene

Concen: 4.156 ug/L

RT: 12.631 min Scan# 3605

Delta R.T. -0.000 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005391

Tgt Ion:180 Resp: 125182

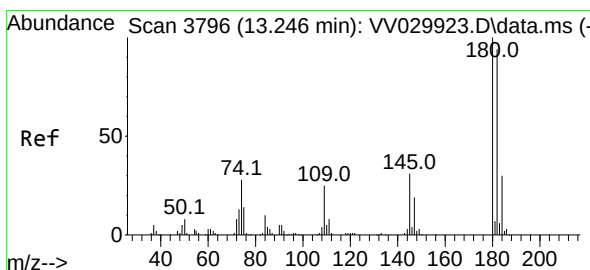
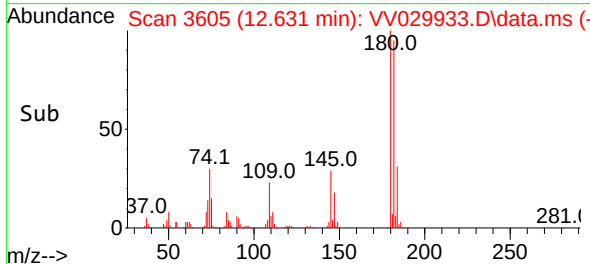
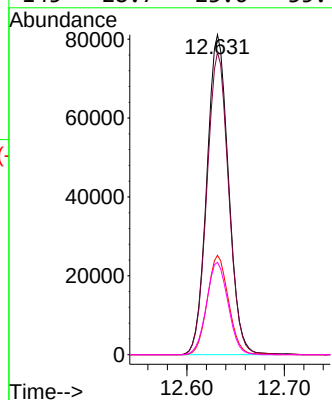
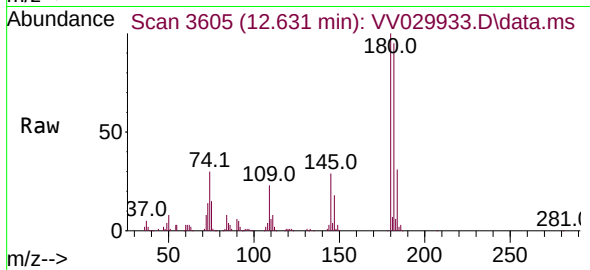
Ion Ratio Lower Upper

180 100

182 95.0 75.4 113.2

184 30.4 23.9 35.9

145 28.7 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 4.299 ug/L

RT: 13.246 min Scan# 3796

Delta R.T. -0.000 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

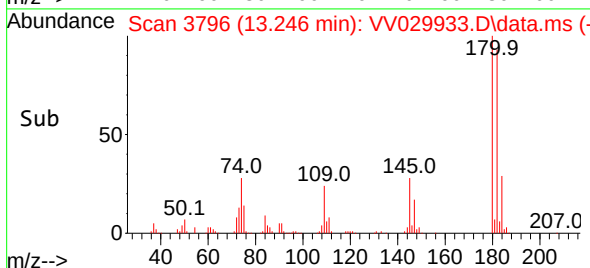
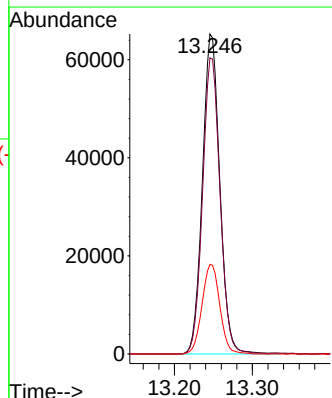
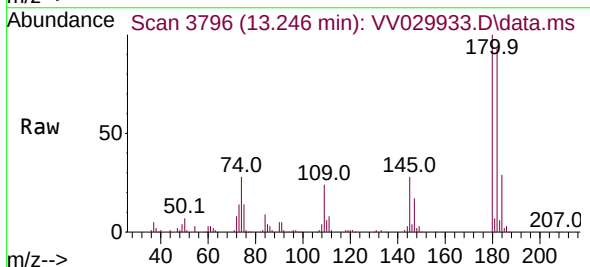
Tgt Ion:180 Resp: 101185

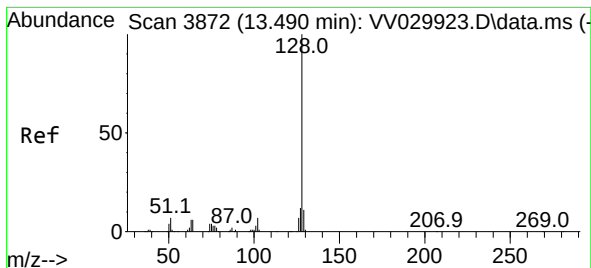
Ion Ratio Lower Upper

180 100

182 92.9 75.8 113.8

145 28.6 23.7 35.5





#71

Naphthalene

Concen: 4.535 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. -0.000 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD005391

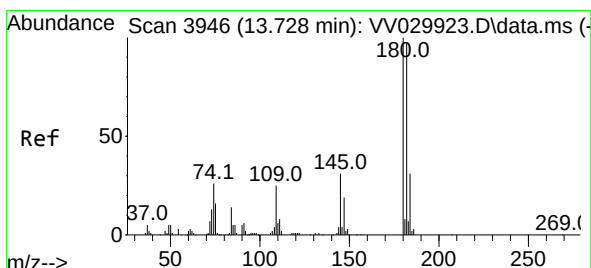
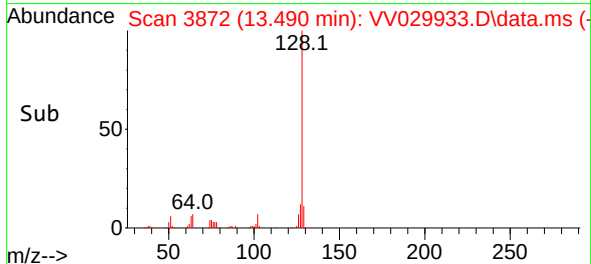
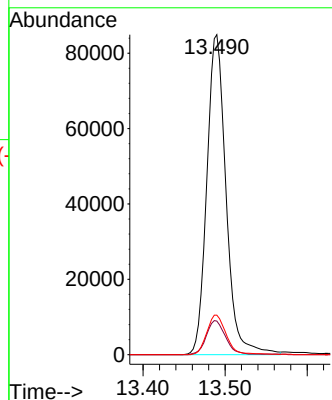
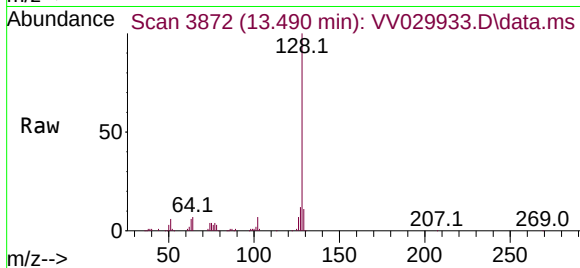
Tgt Ion:128 Resp: 138301

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

127 12.6 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 4.334 ug/L

RT: 13.728 min Scan# 3946

Delta R.T. -0.000 min

Lab File: VV029933.D

Acq: 24 Jan 2023 19:15

Tgt Ion:180 Resp: 84664

Ion Ratio Lower Upper

180 100

182 96.9 75.5 113.3

145 32.6 25.0 37.6

