

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020323\
 Data File : VW030030.D
 Acq On : 03 Feb 2023 09:36
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005283

Quant Time: Feb 04 00:56:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 03 01:11:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.603	114	230387	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	219012	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	118617	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	87141	4.987	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.800%
7) Chloroethane-d5	1.564	69	82805	5.716	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.400%
11) 1,1-Dichloroethene-d2	2.104	63	166824	5.237	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.800%
20) 2-Butanone-d5	3.883	46	180076	58.141	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.280%
24) Chloroform-d	4.333	84	167736	5.233	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
26) 1,2-Dichloroethane-d4	5.018	65	68515	5.047	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	5.037	84	338191	5.206	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
36) 1,2-Dichloropropane-d6	6.056	67	104418	5.492	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.800%
41) Toluene-d8	7.304	98	309147	5.140	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
43) trans-1,3-Dichloroprop...	7.609	79	35004	5.041	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.800%
46) 2-Hexanone-d5	8.079	63	163433	57.812	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.620%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	73764	5.294	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.800%
66) 1,2-Dichlorobenzene-d4	11.609	152	105159	4.876	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	96594	4.505	ug/L	99
3) Chloromethane	1.240	50	130409	5.779	ug/L	100
5) Vinyl chloride	1.307	62	125052	5.651	ug/L	99
6) Bromomethane	1.519	94	40408	3.751	ug/L	99
8) Chloroethane	1.580	64	81320	6.057	ug/L	99
9) Trichlorofluoromethane	1.748	101	147386	5.085	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	91906	5.382	ug/L	96
12) 1,1-Dichloroethene	2.114	96	87657	4.456	ug/L	93
13) Acetone	2.182	43	136253	61.636	ug/L	97
14) Carbon disulfide	2.288	76	258682	4.567	ug/L	100
15) Methyl Acetate	2.432	43	30961	5.378	ug/L	93
16) Methylene chloride	2.497	84	105334	4.310	ug/L	92
17) Methyl tert-butyl Ether	2.760	73	178489	5.247	ug/L	97
18) trans-1,2-Dichloroethene	2.751	96	92932	5.082	ug/L	92
19) 1,1-Dichloroethane	3.178	63	177605	5.806	ug/L	98
21) 2-Butanone	3.966	43	193472	61.091	ug/L	98
22) cis-1,2-Dichloroethene	3.895	96	100667	5.166	ug/L	92
23) Bromochloromethane	4.233	128	42817	5.321	ug/L	83
25) Chloroform	4.362	83	173545	5.219	ug/L	98

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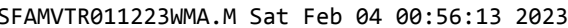
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 ClientSampleId :
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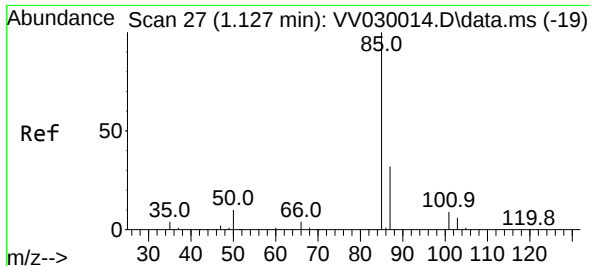
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 03 01:11:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.117	62	87889	5.440	ug/L	99
29) 1,1,1-Trichloroethane	4.593	97	145149	5.104	ug/L	96
30) Cyclohexane	4.664	56	142932	5.309	ug/L	96
31) Carbon tetrachloride	4.815	117	121235	4.899	ug/L	100
33) Benzene	5.085	78	399971	5.524	ug/L	100
34) Trichloroethene	5.902	95	93994	5.122	ug/L	98
35) Methylcyclohexane	6.120	83	154872	4.999	ug/L	97
37) 1,2-Dichloropropane	6.159	63	98869	5.830	ug/L	99
38) Bromodichloromethane	6.497	83	119514	5.449	ug/L	97
39) cis-1,3-Dichloropropene	7.014	75	127672	5.614	ug/L	100
40) 4-Methyl-2-pentanone	7.217	43	462905	63.967	ug/L	94
42) Toluene	7.374	91	414414	5.306	ug/L	99
44) trans-1,3-Dichloropropene	7.638	75	106163	5.793	ug/L	99
45) 1,1,2-Trichloroethane	7.824	97	64307	5.263	ug/L	97
47) Tetrachloroethene	7.963	164	76904	4.978	ug/L	98
48) 2-Hexanone	8.130	43	343407	66.391	ug/L	95
49) Dibromochloromethane	8.233	129	74295	5.182	ug/L	99
50) 1,2-Dibromoethane	8.339	107	57193	5.393	ug/L	100
51) Chlorobenzene	8.869	112	264872	5.341	ug/L	98
52) Ethylbenzene	8.998	91	424889	5.198	ug/L	99
53) m,p-Xylene	9.127	106	168217	5.199	ug/L	99
54) o-Xylene	9.532	106	159507	5.195	ug/L	98
55) Styrene	9.548	104	283296	5.365	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.226	83	76657	5.648	ug/L	99
59) Bromoform	9.718	173	39794	5.180	ug/L	99
60) Isopropylbenzene	9.918	105	420105	5.541	ug/L	99
61) 1,2,3-Trichloropropane	10.258	75	50951	5.801	ug/L	98
62) 1,3,5-Trimethylbenzene	10.525	105	345388	5.316	ug/L	99
63) 1,2,4-Trimethylbenzene	10.902	105	344610	5.319	ug/L	100
64) 1,3-Dichlorobenzene	11.168	146	208112	5.405	ug/L	99
65) 1,4-Dichlorobenzene	11.258	146	207373	5.403	ug/L	98
67) 1,2-Dichlorobenzene	11.628	146	189444	5.473	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.413	75	10980	5.286	ug/L	95
69) 1,3,5-Trichlorobenzene	12.628	180	168453	5.436	ug/L	99
70) 1,2,4-trichlorobenzene	13.245	180	132185	5.458	ug/L	99
71) Naphthalene	13.487	128	174661	5.567	ug/L	100
72) 1,2,3-Trichlorobenzene	13.728	180	110930	5.519	ug/L	99

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

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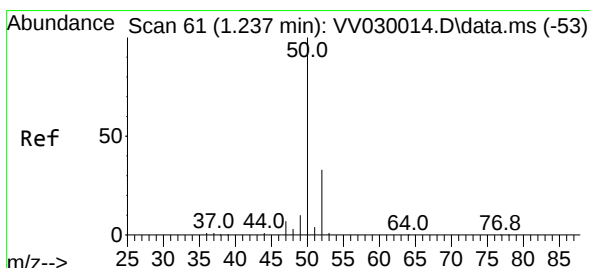
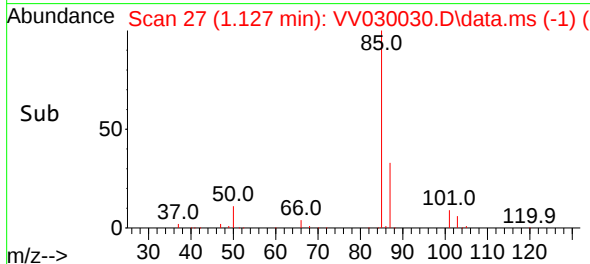
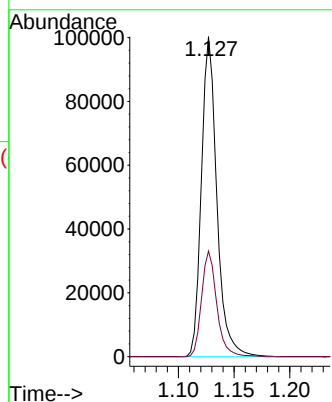
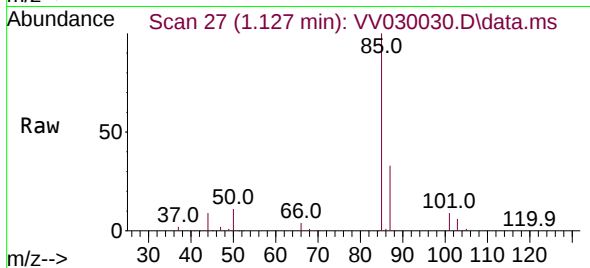




#2
 Dichlorodifluoromethane
 Concen: 4.505 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030030.D
 Acq: 03 Feb 2023 09:36

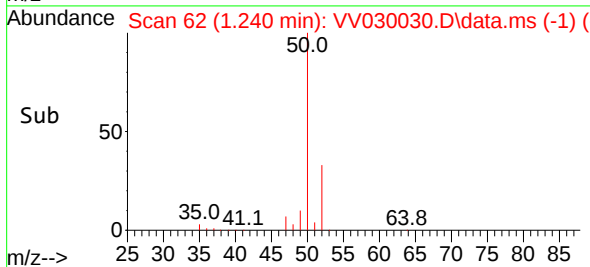
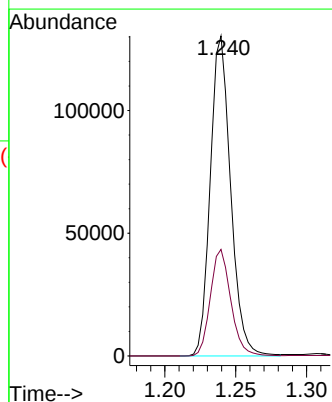
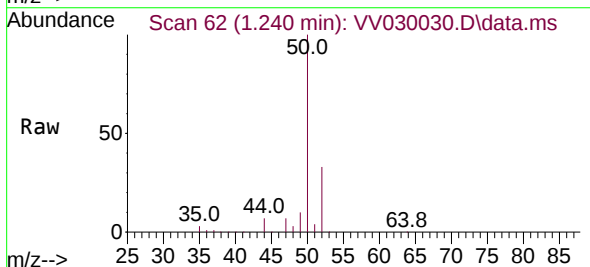
Instrument :
 MSVOA_V
 ClientSampleId :
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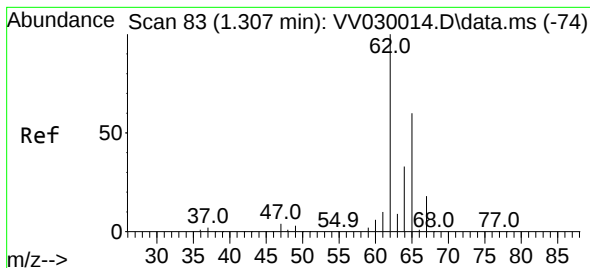
Tgt Ion: 85 Resp: 96594
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.5 39.7



#3
 Chloromethane
 Concen: 5.779 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VV030030.D
 Acq: 03 Feb 2023 09:36

Tgt Ion: 50 Resp: 130409
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.1 42.9

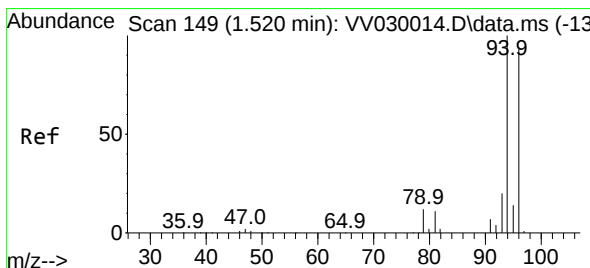
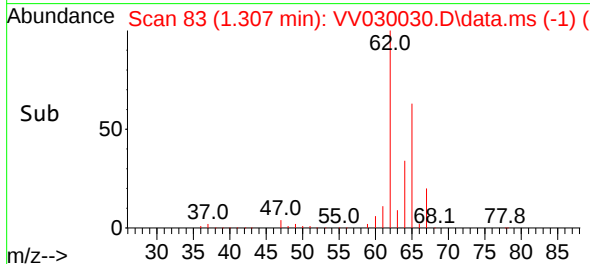
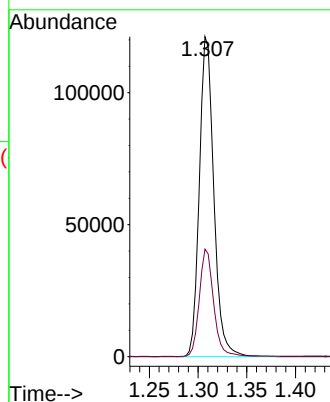
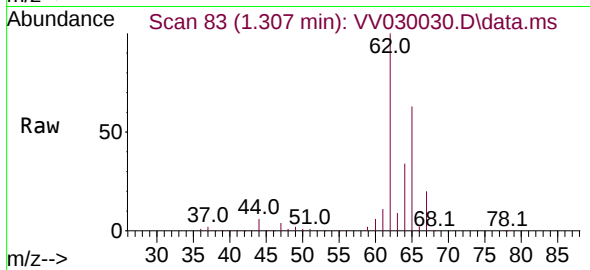




#5
 Vinyl chloride
 Concen: 5.651 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV030030.D
 Acq: 03 Feb 2023 09:36

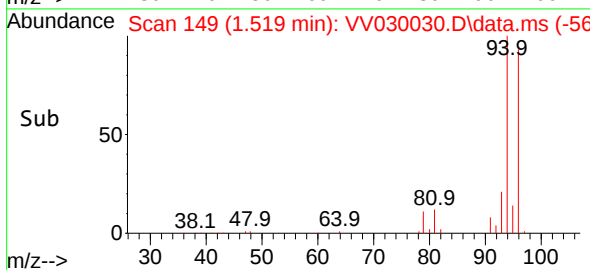
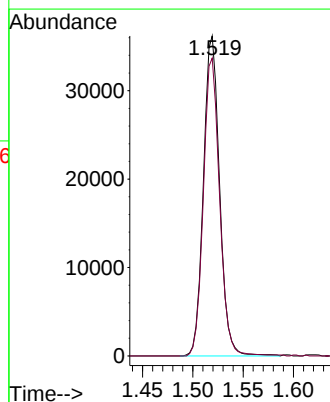
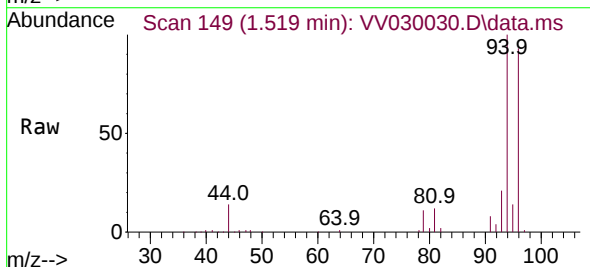
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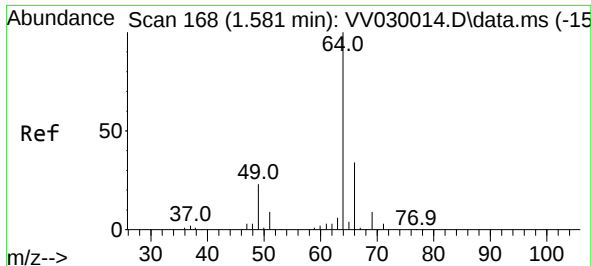
Tgt Ion: 62 Resp: 125052
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.2 43.2



#6
 Bromomethane
 Concen: 3.751 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV030030.D
 Acq: 03 Feb 2023 09:36

Tgt Ion: 94 Resp: 40408
 Ion Ratio Lower Upper
 94 100
 96 93.1 65.9 122.5

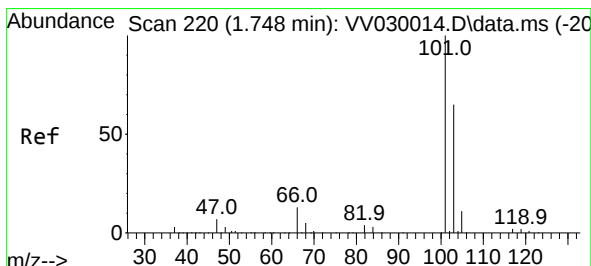
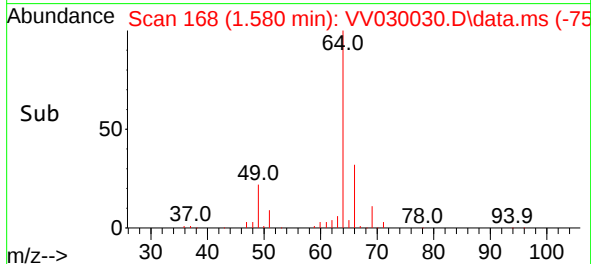
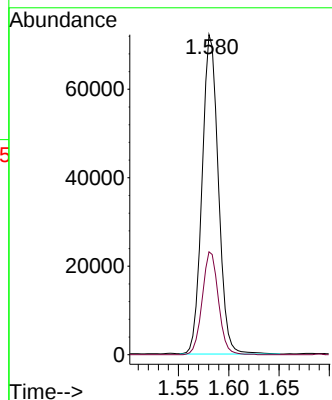
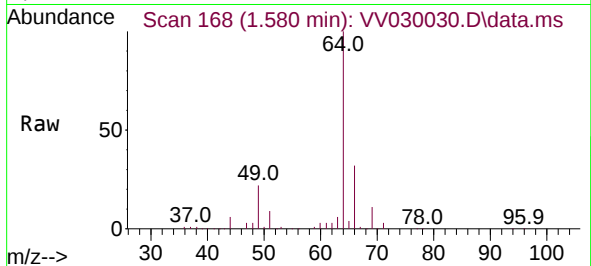




#8
Chloroethane
Concen: 6.057 ug/L
RT: 1.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

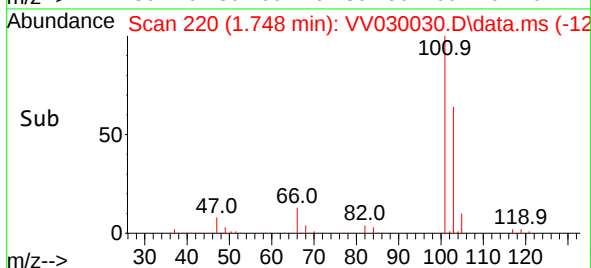
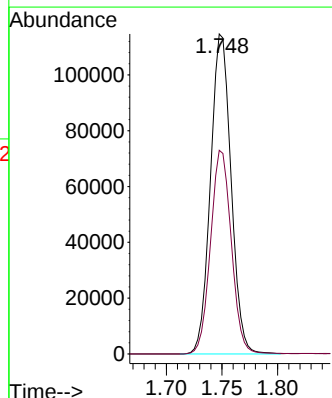
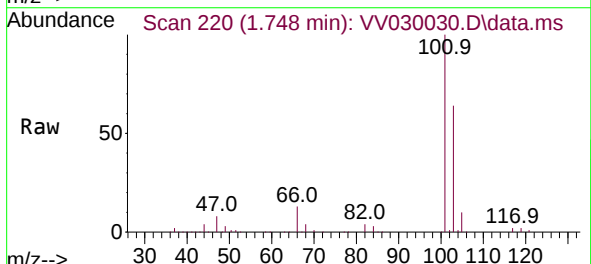
Instrument :
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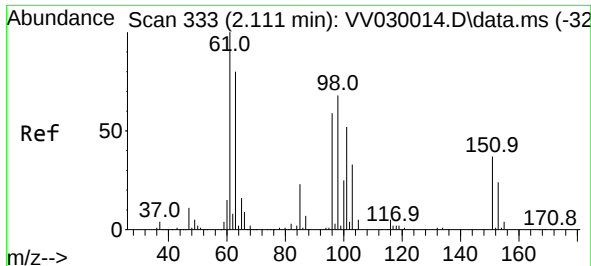
Tgt Ion: 64 Resp: 81320
Ion Ratio Lower Upper
64 100
66 32.1 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.085 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

Tgt Ion:101 Resp: 147386
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.8

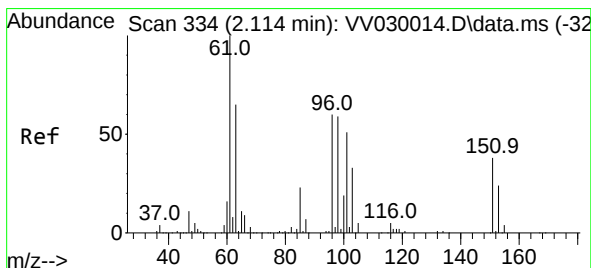
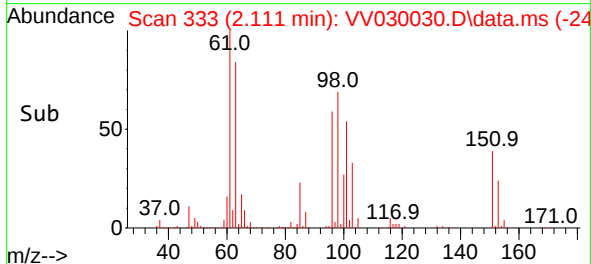
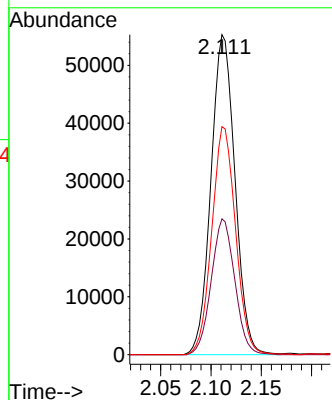
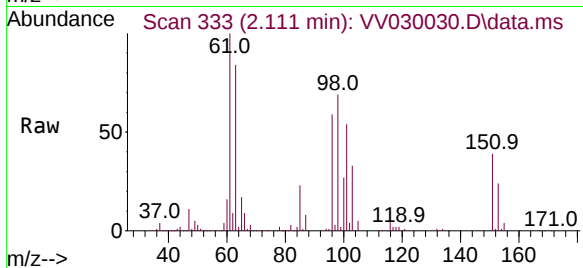




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.382 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. -0.000 min
 Lab File: VV030030.D
 Acq: 03 Feb 2023 09:36

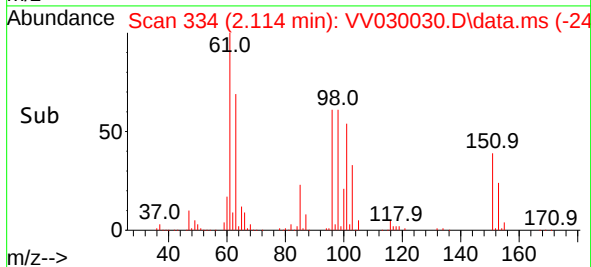
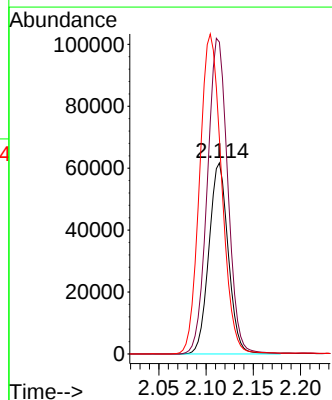
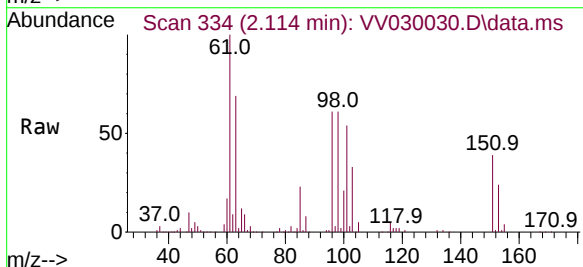
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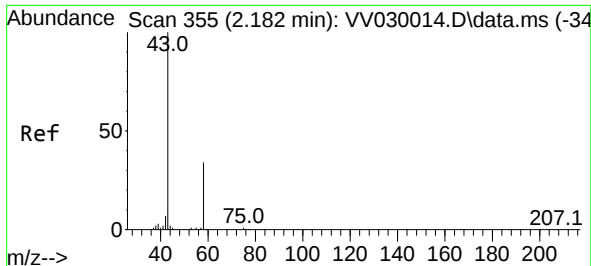
Tgt Ion:101 Resp: 91906
 Ion Ratio Lower Upper
 101 100
 85 41.5 32.9 49.3
 151 70.7 60.9 91.3



#12
 1,1-Dichloroethene
 Concen: 4.456 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV030030.D
 Acq: 03 Feb 2023 09:36

Tgt Ion: 96 Resp: 87657
 Ion Ratio Lower Upper
 96 100
 61 163.3 106.1 197.1
 63 112.9 76.4 141.8





#13

Acetone

Concen: 61.636 ug/L

RT: 2.182 min Scan# 355

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

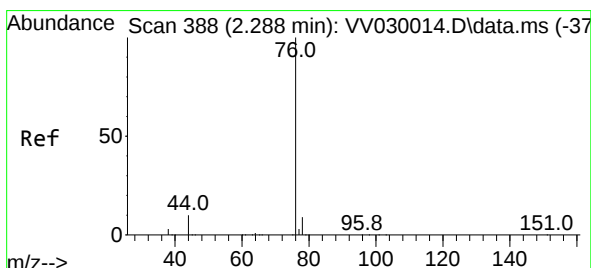
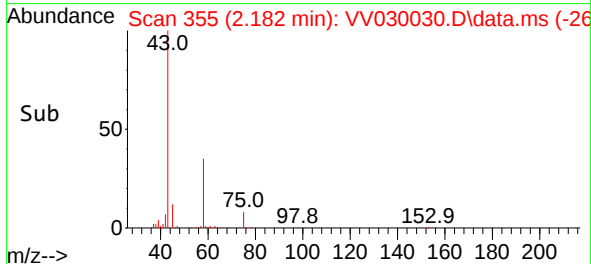
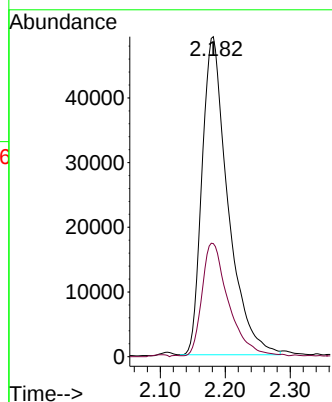
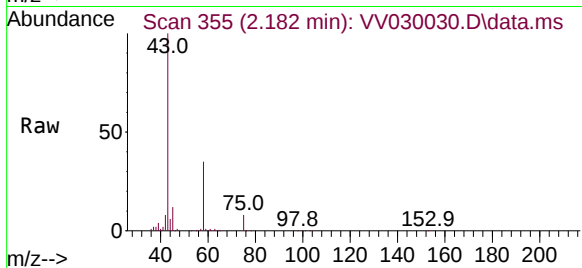
VSTD005283

Tgt Ion: 43 Resp: 136253

Ion Ratio Lower Upper

43 100

58 36.1 0.0 68.8



#14

Carbon disulfide

Concen: 4.567 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.000 min

Lab File: VV030030.D

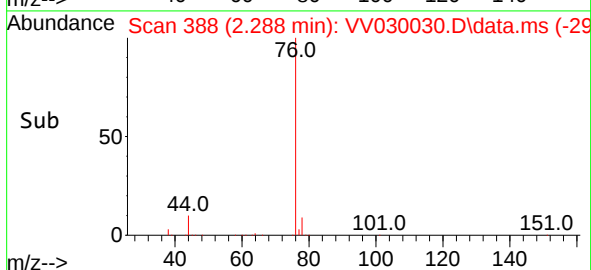
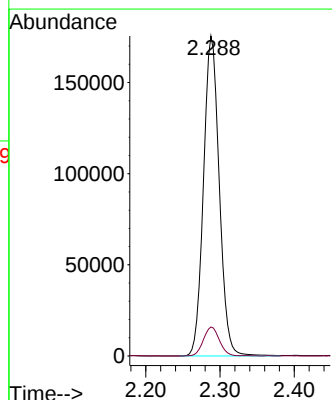
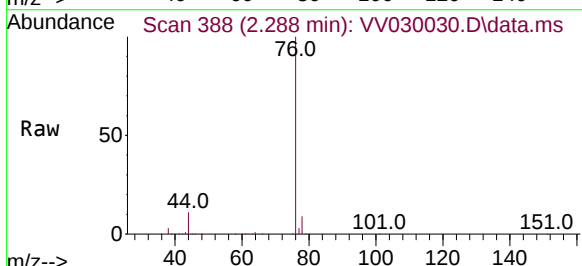
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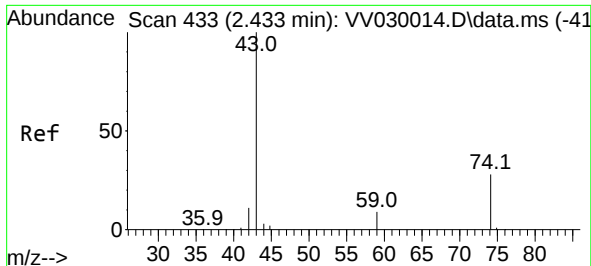
Tgt Ion: 76 Resp: 258682

Ion Ratio Lower Upper

76 100

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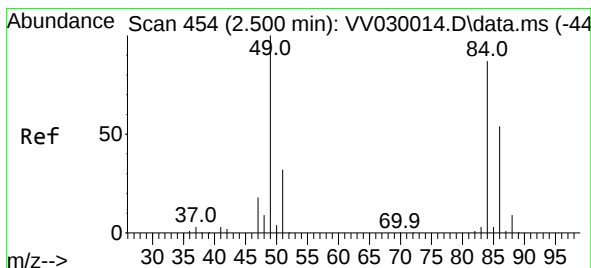
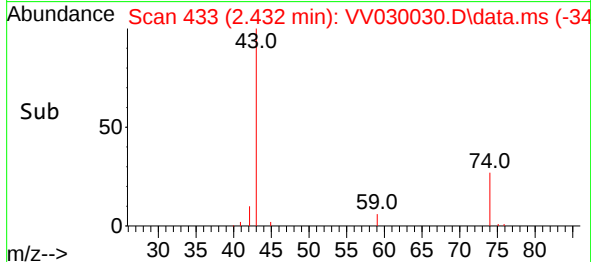
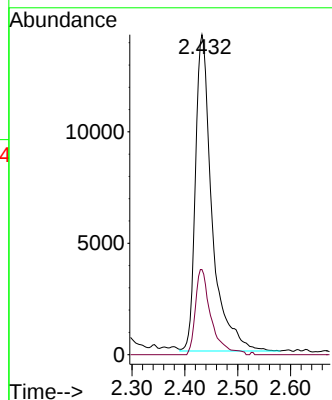
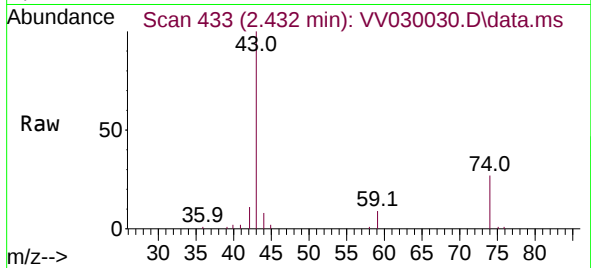




#15
Methyl Acetate
Concen: 5.378 ug/L
RT: 2.432 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

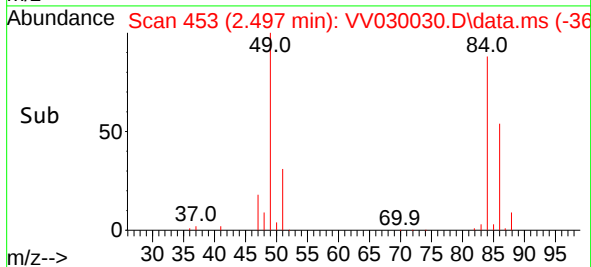
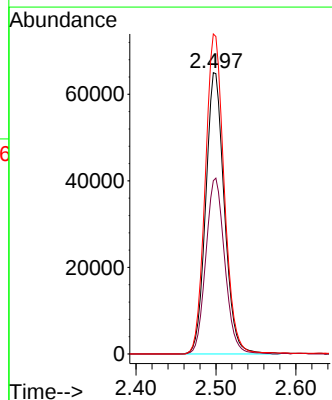
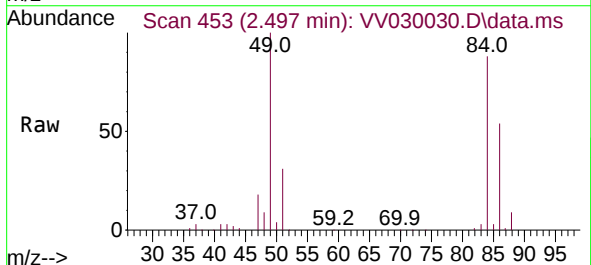
Instrument :
MSVOA_V
ClientSampleId :
VSTD005283

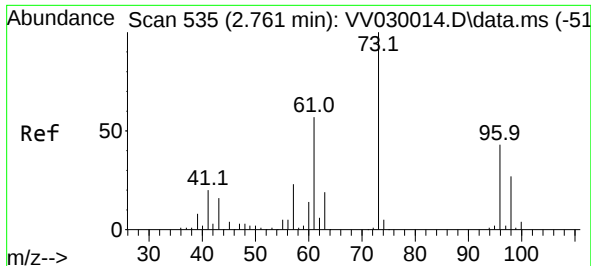
Tgt Ion: 43 Resp: 30961
Ion Ratio Lower Upper
43 100
74 25.4 23.4 35.0



#16
Methylene chloride
Concen: 4.310 ug/L
RT: 2.497 min Scan# 453
Delta R.T. -0.003 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

Tgt Ion: 84 Resp: 105334
Ion Ratio Lower Upper
84 100
86 61.6 45.0 83.6
49 113.7 71.5 132.7





#17

Methyl tert-butyl Ether

Concen: 5.247 ug/L

RT: 2.760 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005283

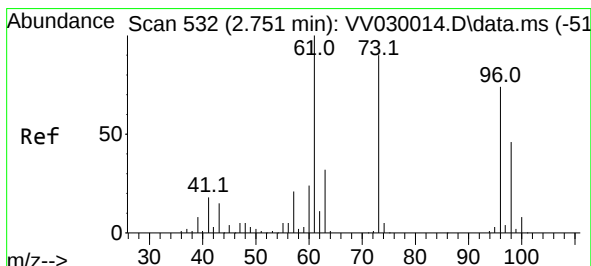
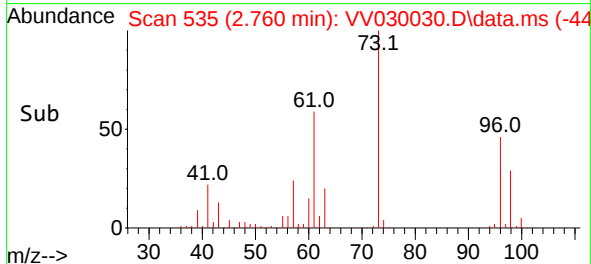
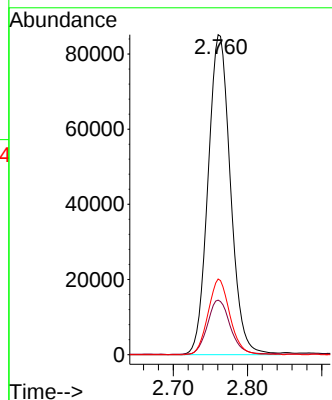
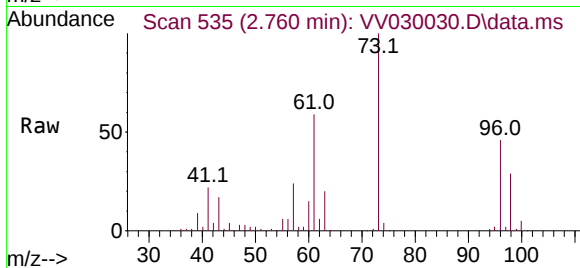
Tgt Ion: 73 Resp: 178489

Ion Ratio Lower Upper

73 100

43 17.7 13.0 19.4

57 23.0 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 5.082 ug/L

RT: 2.751 min Scan# 532

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

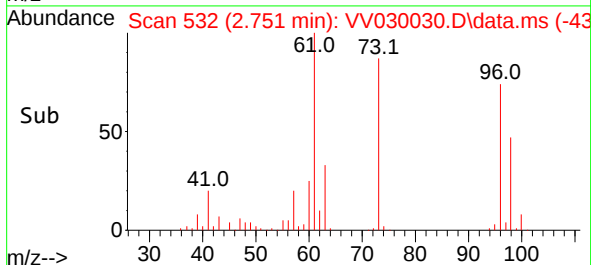
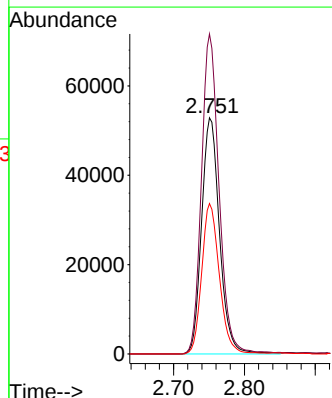
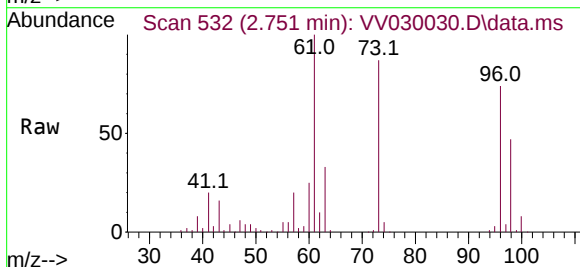
Tgt Ion: 96 Resp: 92932

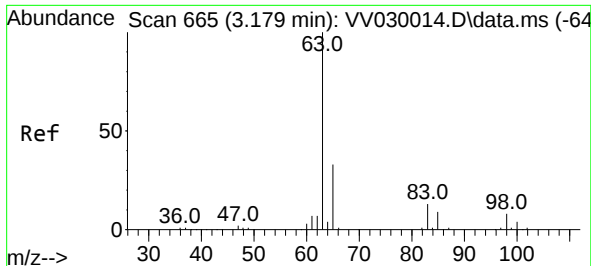
Ion Ratio Lower Upper

96 100

61 135.5 86.1 159.9

98 63.7 43.9 81.5





#19

1,1-Dichloroethane

Concen: 5.806 ug/L

RT: 3.178 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005283

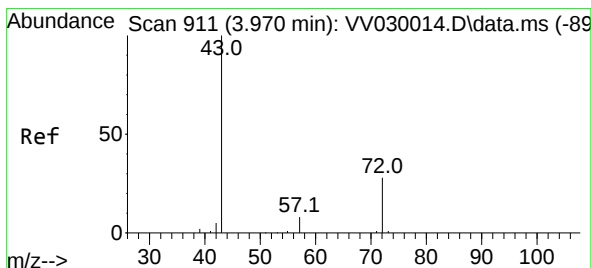
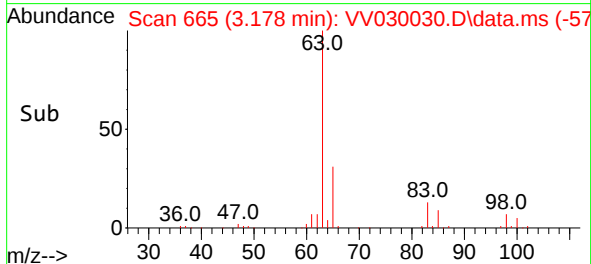
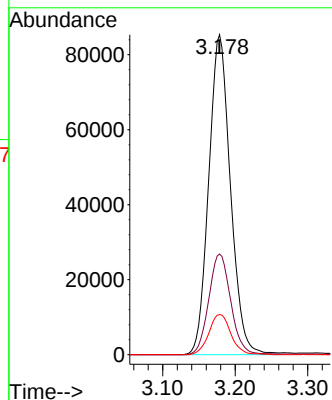
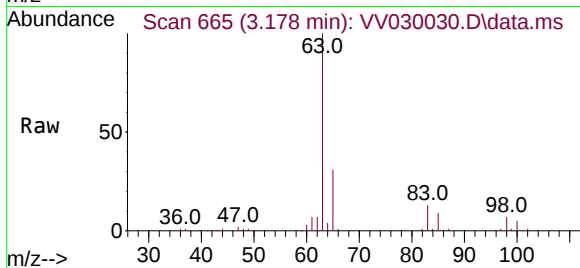
Tgt Ion: 63 Resp: 177605

Ion Ratio Lower Upper

63 100

65 31.5 22.4 41.6

83 12.6 10.2 19.0



#21

2-Butanone

Concen: 61.091 ug/L

RT: 3.966 min Scan# 910

Delta R.T. -0.003 min

Lab File: VV030030.D

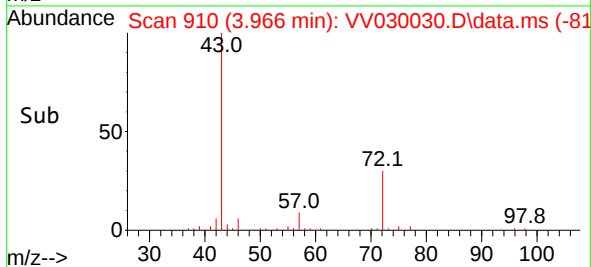
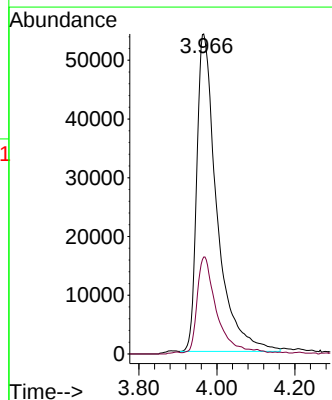
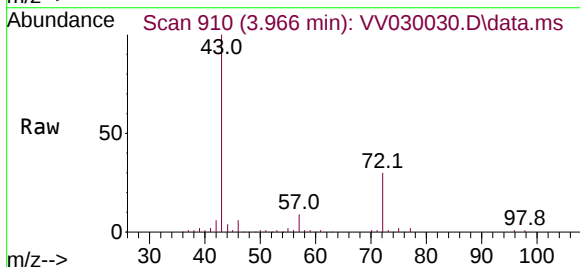
Acq: 03 Feb 2023 09:36

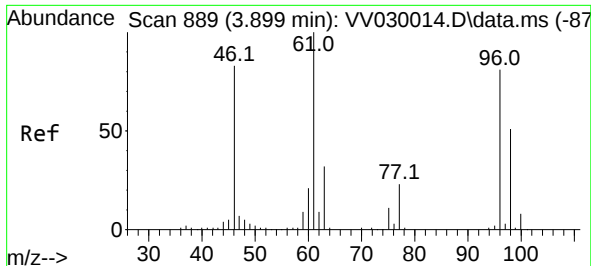
Tgt Ion: 43 Resp: 193472

Ion Ratio Lower Upper

43 100

72 28.6 13.9 41.6





#22

cis-1,2-Dichloroethene

Concen: 5.166 ug/L

RT: 3.895 min Scan# 889

Delta R.T. -0.003 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005283

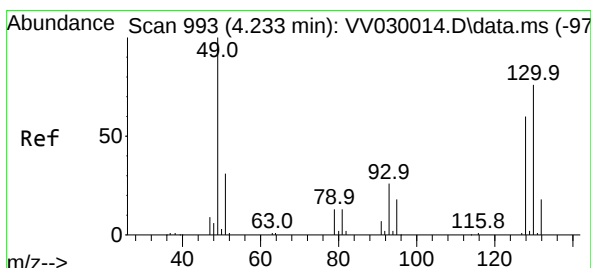
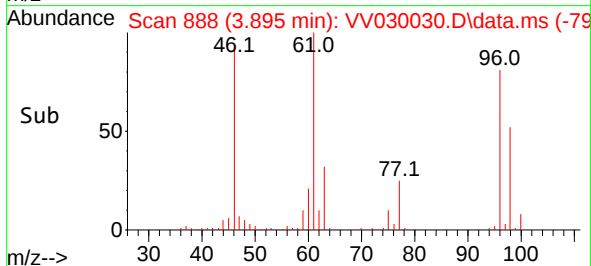
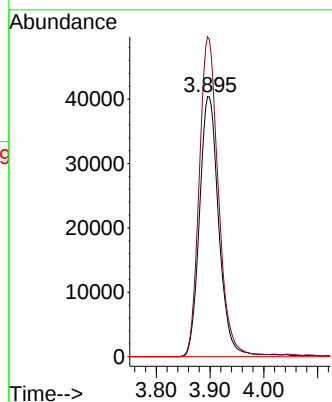
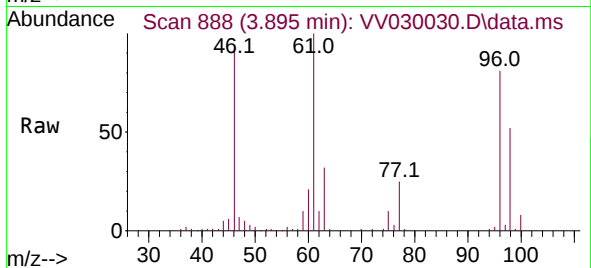
Tgt Ion: 96 Resp: 100667

Ion Ratio Lower Upper

96 100

61 123.0 80.0 148.6

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.321 ug/L

RT: 4.233 min Scan# 993

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Tgt Ion: 128 Resp: 42817

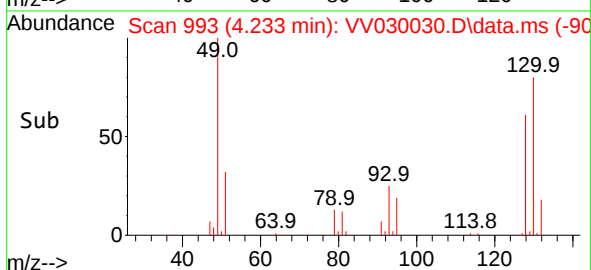
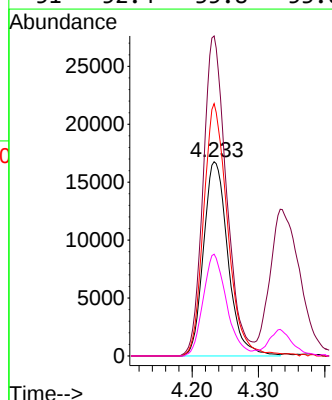
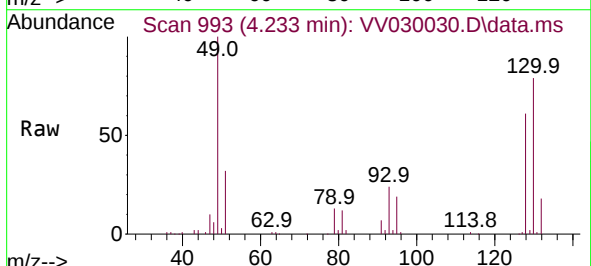
Ion Ratio Lower Upper

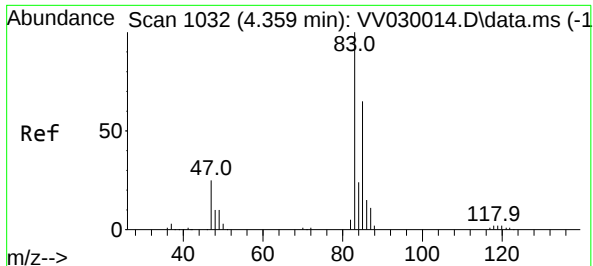
128 100

49 164.7 91.2 169.4

130 129.9 87.0 161.6

51 52.4 35.8 53.6





#25

Chloroform

Concen: 5.219 ug/L

RT: 4.362 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

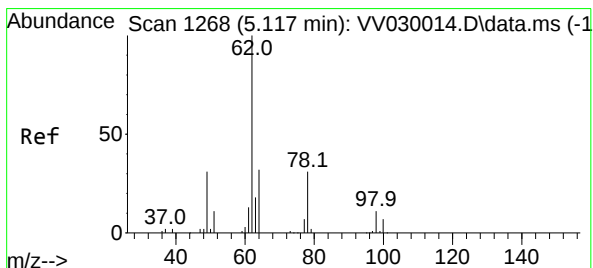
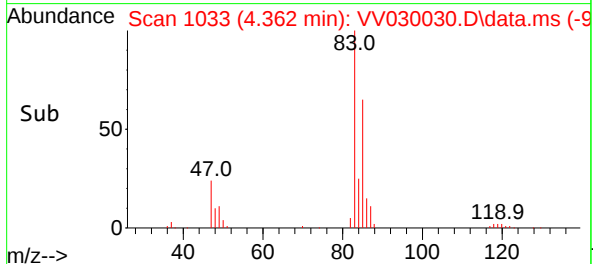
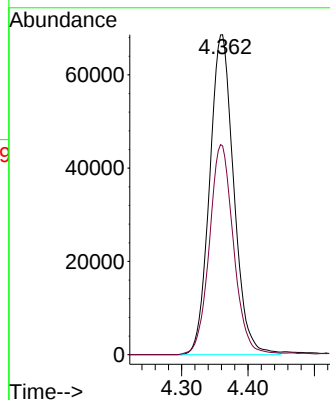
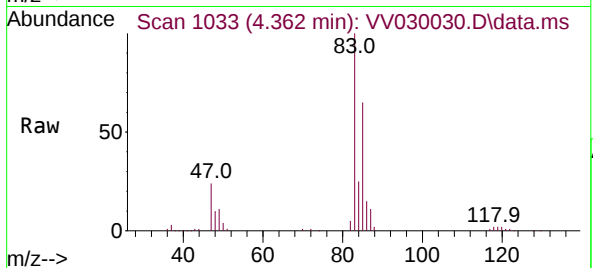
VSTD005283

Tgt Ion: 83 Resp: 173545

Ion Ratio Lower Upper

83 100

85 65.2 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.440 ug/L

RT: 5.117 min Scan# 1268

Delta R.T. -0.000 min

Lab File: VV030030.D

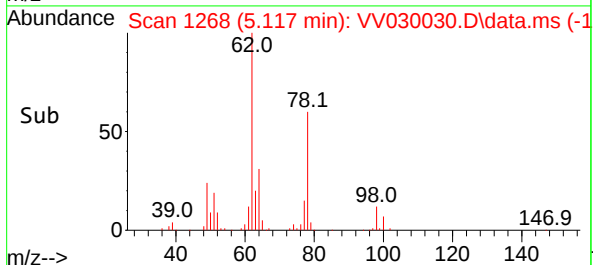
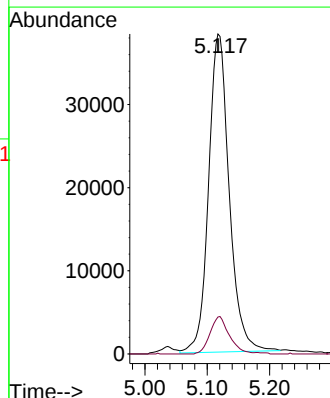
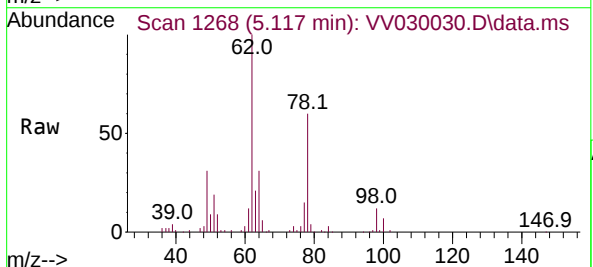
Acq: 03 Feb 2023 09:36

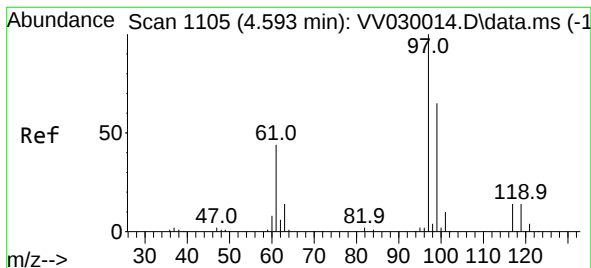
Tgt Ion: 62 Resp: 87889

Ion Ratio Lower Upper

62 100

98 11.5 8.9 13.3





#29

1,1,1-Trichloroethane

Concen: 5.104 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005283

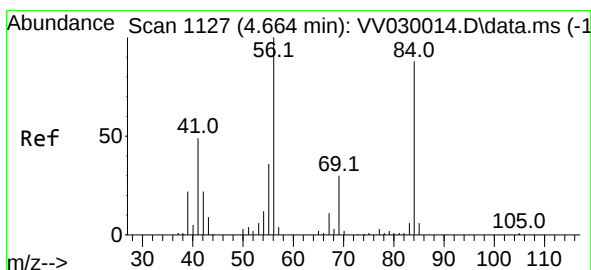
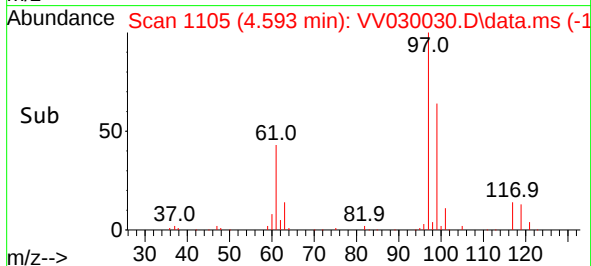
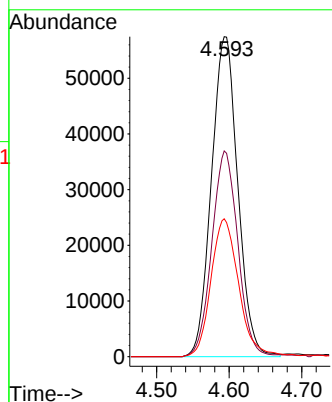
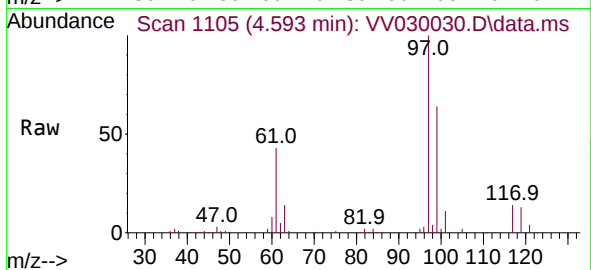
Tgt Ion: 97 Resp: 145149

Ion Ratio Lower Upper

97 100

99 63.4 51.3 76.9

61 45.3 31.6 47.4



#30

Cyclohexane

Concen: 5.309 ug/L

RT: 4.664 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

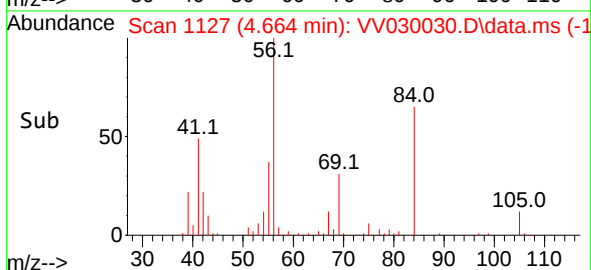
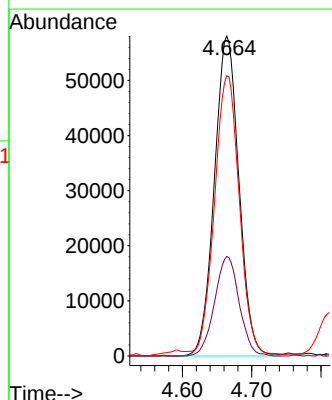
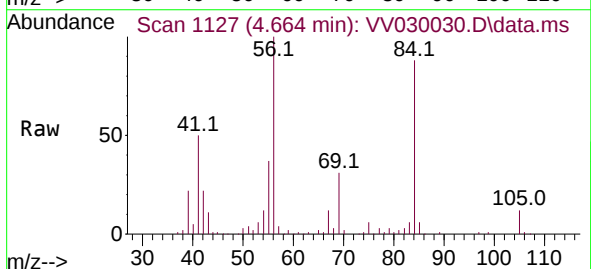
Tgt Ion: 56 Resp: 142932

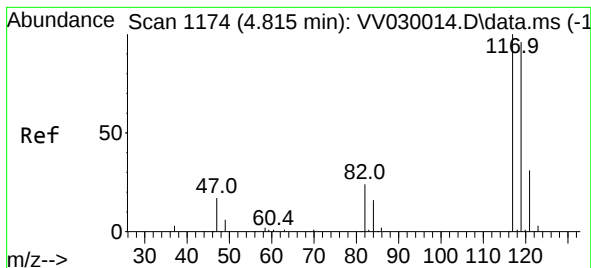
Ion Ratio Lower Upper

56 100

69 31.2 26.7 40.1

84 88.3 73.8 110.8





#31

Carbon tetrachloride

Concen: 4.899 ug/L

RT: 4.815 min Scan# 1174

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

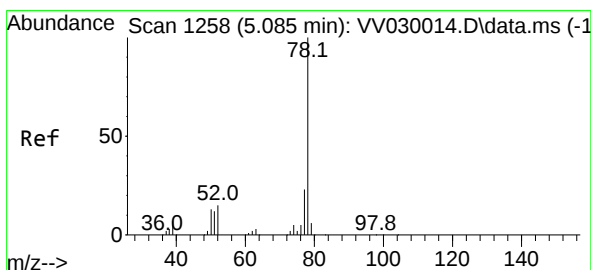
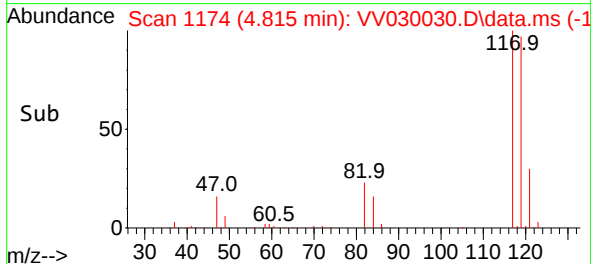
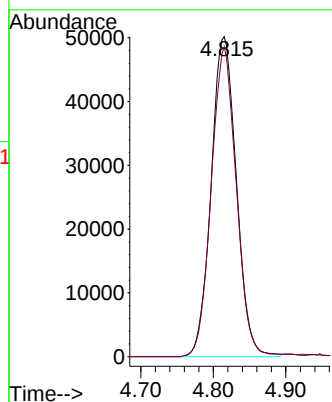
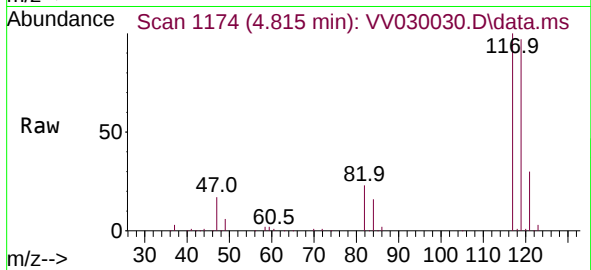
VSTD005283

Tgt Ion:117 Resp: 121235

Ion Ratio Lower Upper

117 100

119 95.8 76.6 114.8



#33

Benzene

Concen: 5.524 ug/L

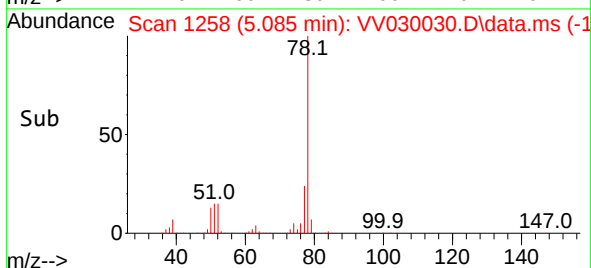
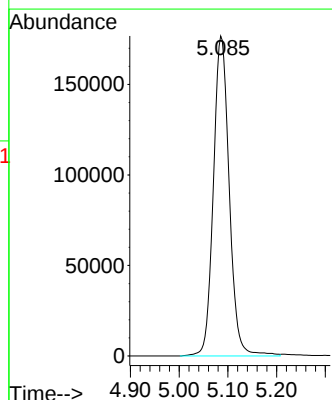
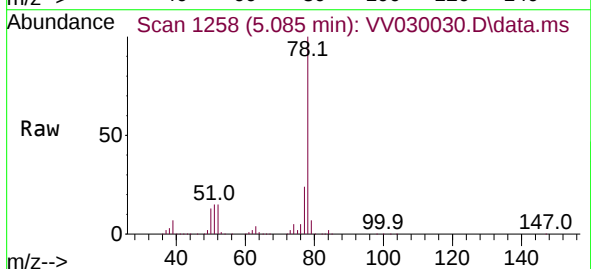
RT: 5.085 min Scan# 1258

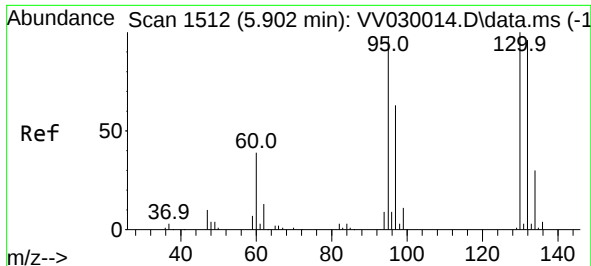
Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Tgt Ion: 78 Resp: 399971





#34

Trichloroethene

Concen: 5.122 ug/L

RT: 5.902 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005283

Tgt Ion: 95 Resp: 93994

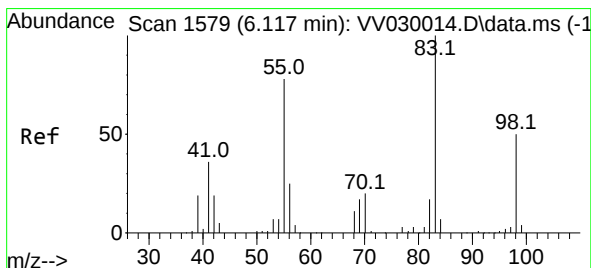
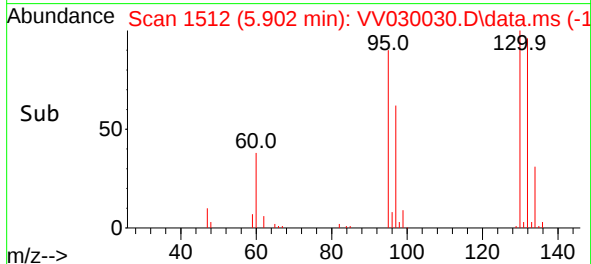
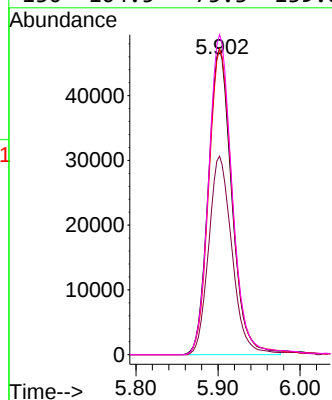
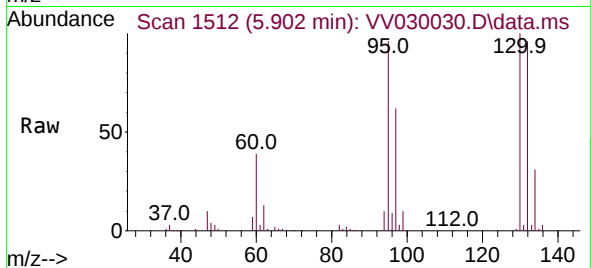
Ion Ratio Lower Upper

95 100

97 64.8 44.9 83.3

132 99.9 71.8 133.4

130 104.5 75.3 139.8



#35

Methylcyclohexane

Concen: 4.999 ug/L

RT: 6.120 min Scan# 1580

Delta R.T. 0.003 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

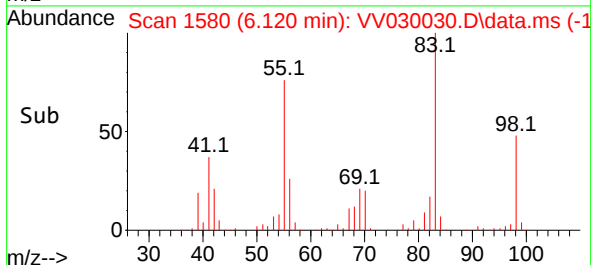
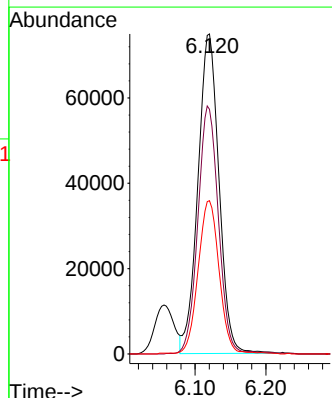
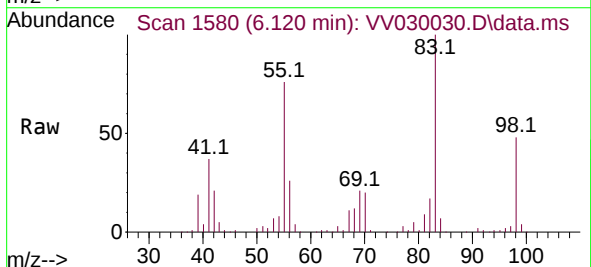
Tgt Ion: 83 Resp: 154872

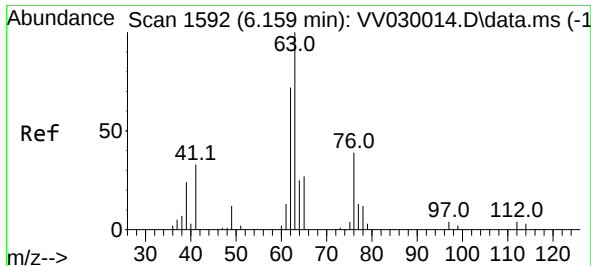
Ion Ratio Lower Upper

83 100

55 75.5 57.3 85.9

98 48.3 39.0 58.6





#37

1,2-Dichloropropane

Concen: 5.830 ug/L

RT: 6.159 min Scan# 1592

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

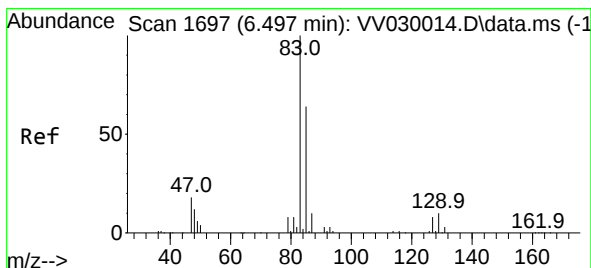
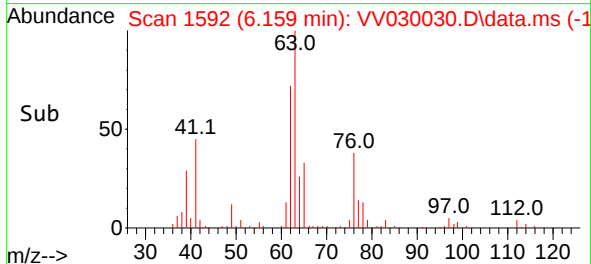
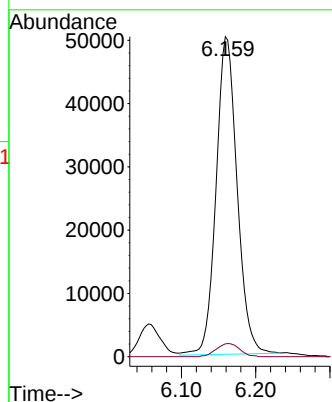
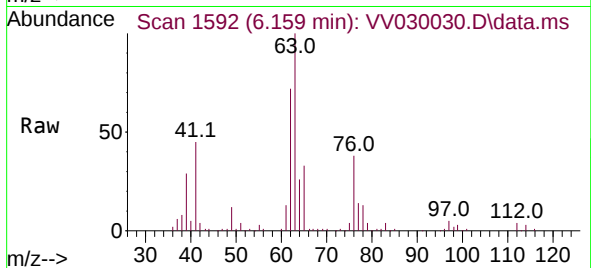
VSTD005283

Tgt Ion: 63 Resp: 98869

Ion Ratio Lower Upper

63 100

112 4.6 3.9 5.9



#38

Bromodichloromethane

Concen: 5.449 ug/L

RT: 6.497 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

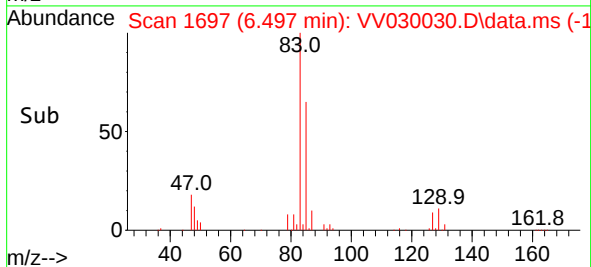
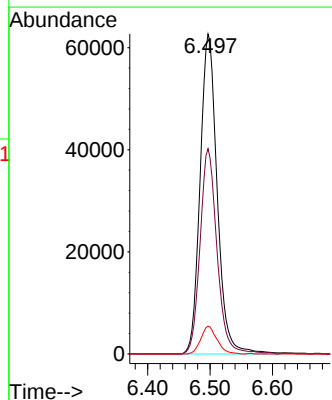
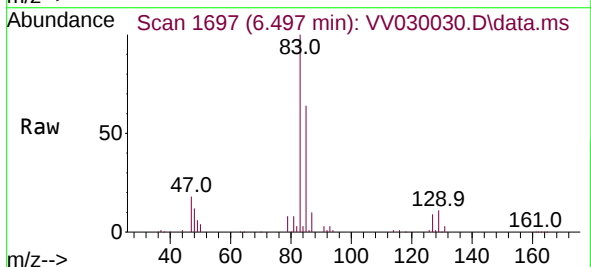
Tgt Ion: 83 Resp: 119514

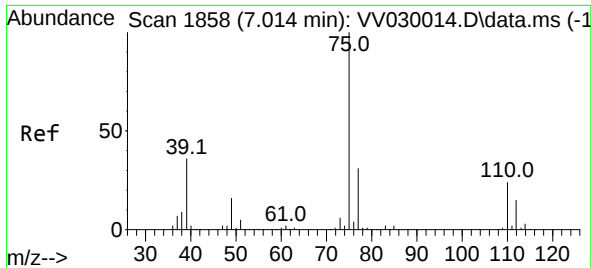
Ion Ratio Lower Upper

83 100

85 64.1 43.2 80.2

127 8.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.614 ug/L

RT: 7.014 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

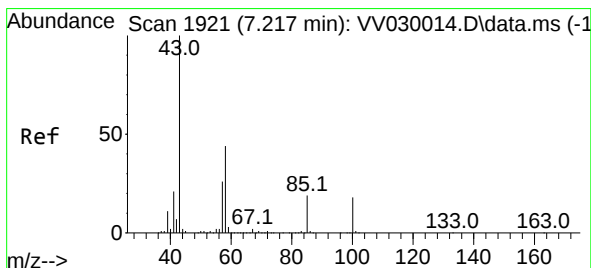
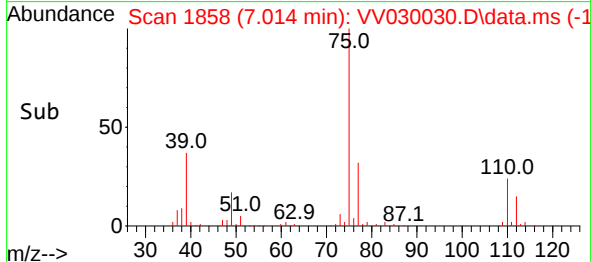
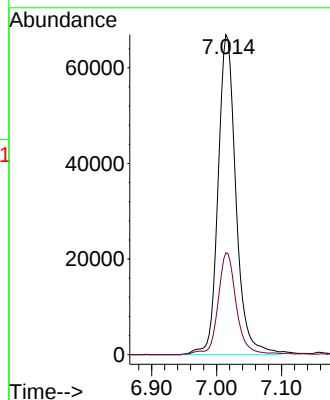
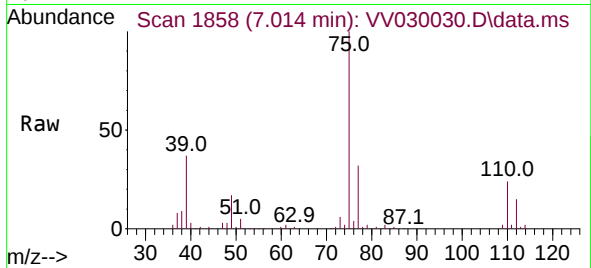
VSTD005283

Tgt Ion: 75 Resp: 127672

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 63.967 ug/L

RT: 7.217 min Scan# 1921

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

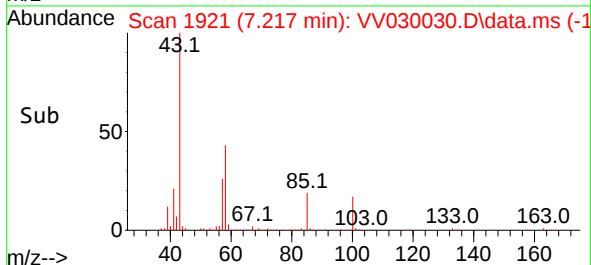
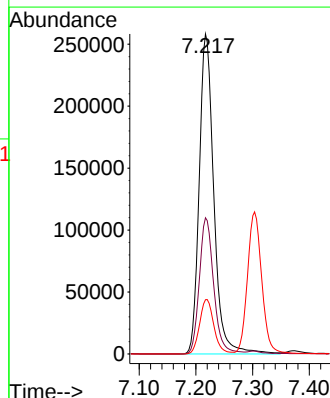
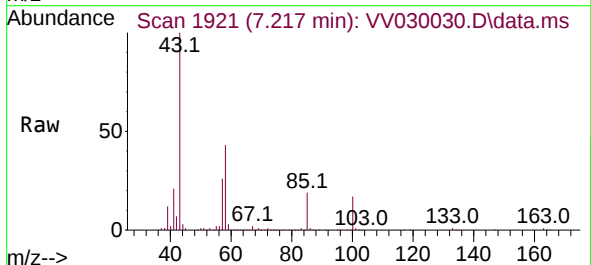
Tgt Ion: 43 Resp: 462905

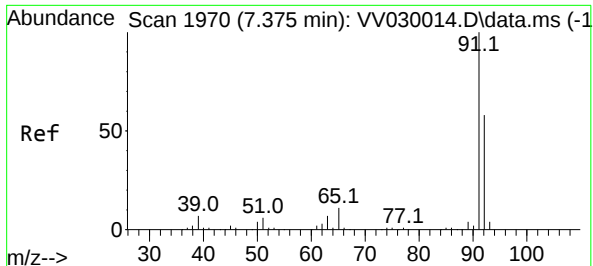
Ion Ratio Lower Upper

43 100

58 41.8 36.7 55.1

100 16.6 15.6 23.4





#42

Toluene

Concen: 5.306 ug/L

RT: 7.374 min Scan# 1970

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

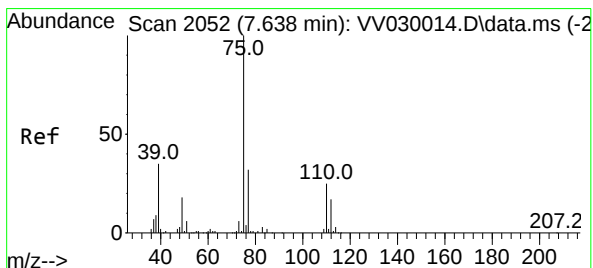
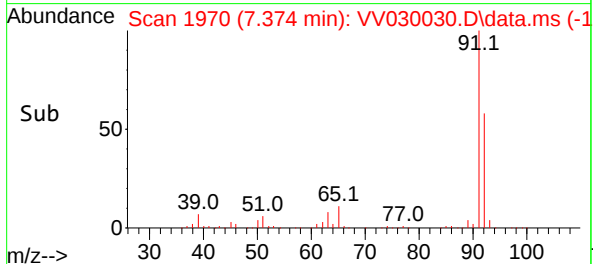
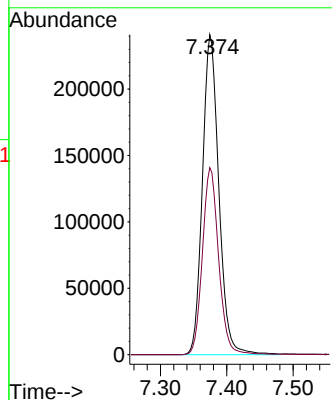
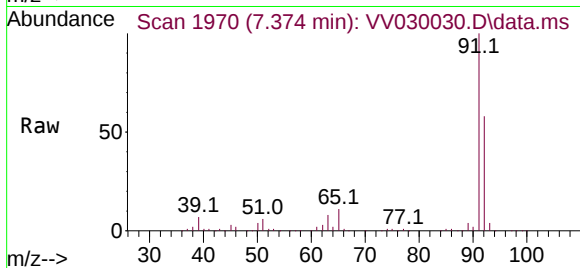
VSTD005283

Tgt Ion: 91 Resp: 414414

Ion Ratio Lower Upper

91 100

92 58.4 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.793 ug/L

RT: 7.638 min Scan# 2052

Delta R.T. -0.000 min

Lab File: VV030030.D

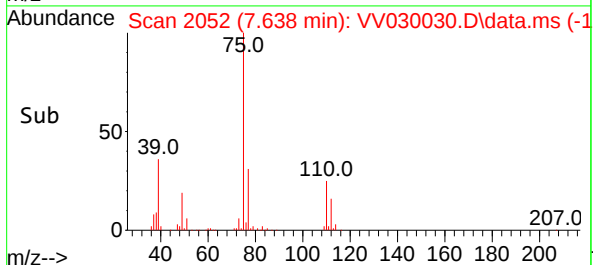
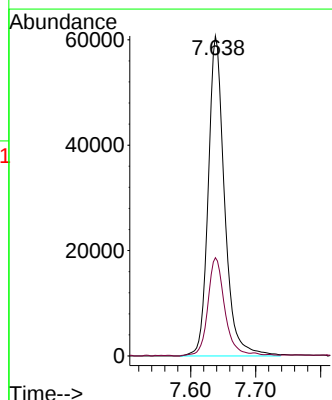
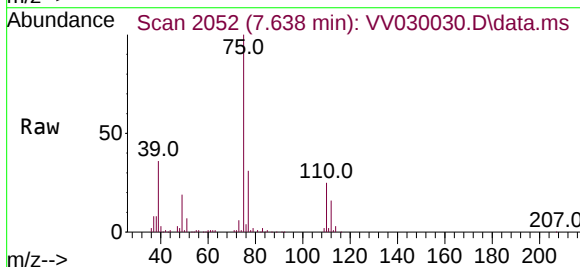
Acq: 03 Feb 2023 09:36

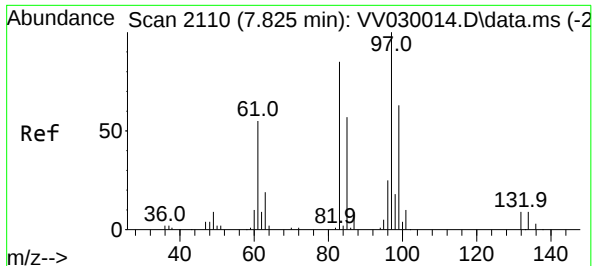
Tgt Ion: 75 Resp: 106163

Ion Ratio Lower Upper

75 100

77 30.7 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 5.263 ug/L

RT: 7.824 min Scan# 2110

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005283

Tgt Ion: 97 Resp: 64307

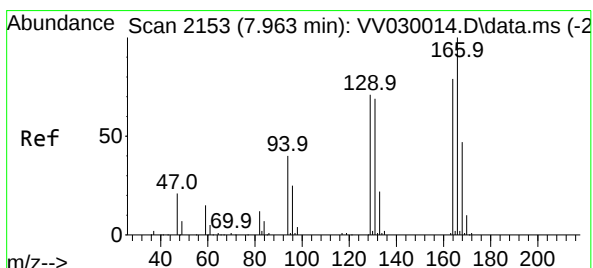
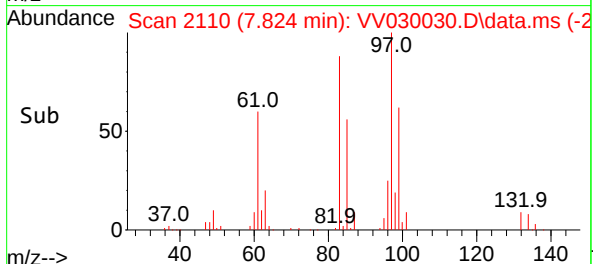
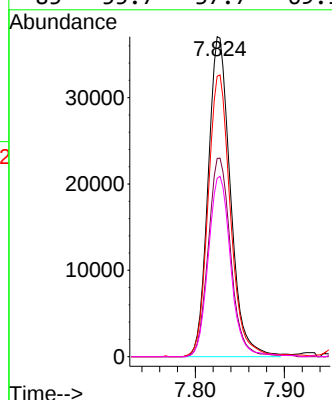
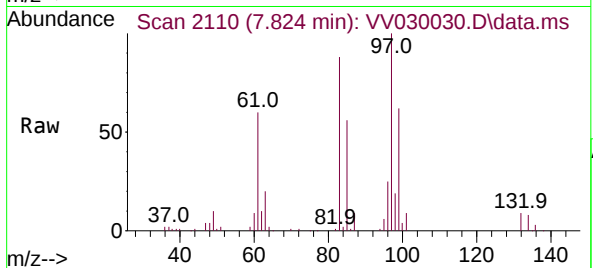
Ion Ratio Lower Upper

97 100

99 62.0 41.9 77.7

83 87.7 58.7 109.1

85 55.7 37.7 69.9



#47

Tetrachloroethene

Concen: 4.978 ug/L

RT: 7.963 min Scan# 2153

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Tgt Ion:164 Resp: 76904

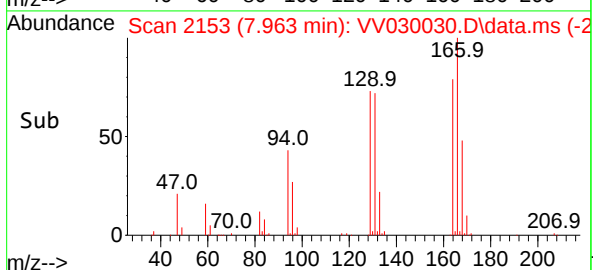
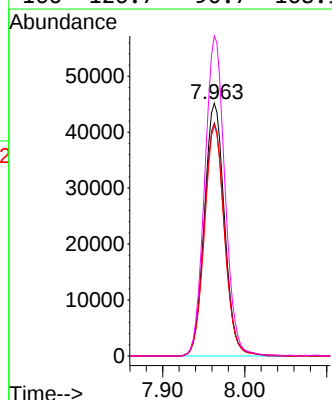
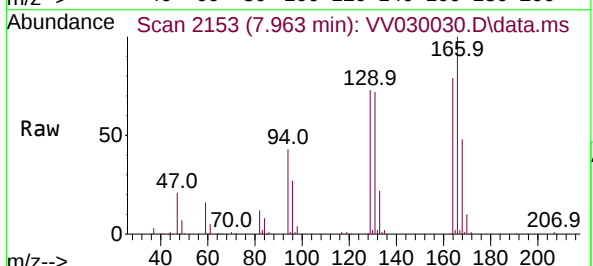
Ion Ratio Lower Upper

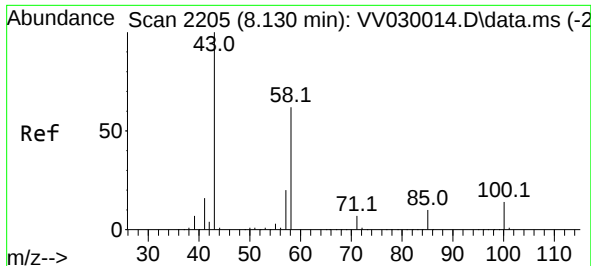
164 100

129 92.2 64.5 119.7

131 91.3 62.9 116.7

166 126.7 90.7 168.5



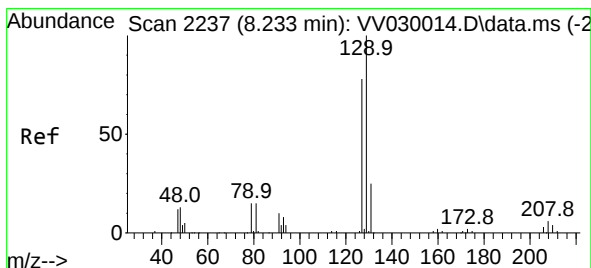
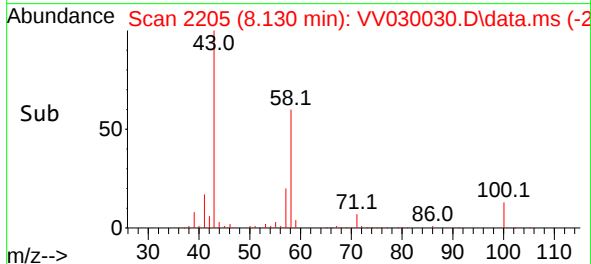
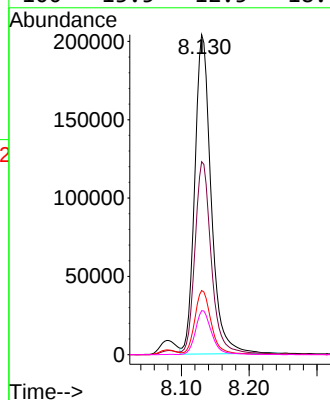
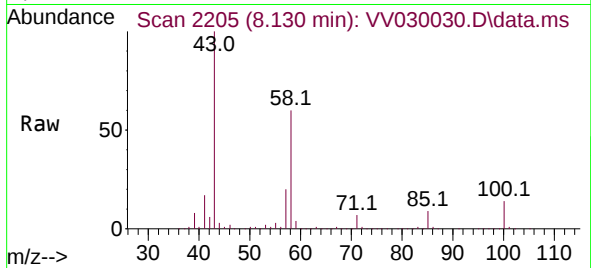


#48
2-Hexanone
Concen: 66.391 ug/L
RT: 8.130 min Scan# 2205
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD005283

Tgt Ion: 43 Resp: 343407

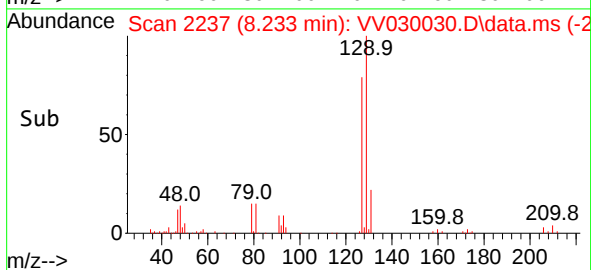
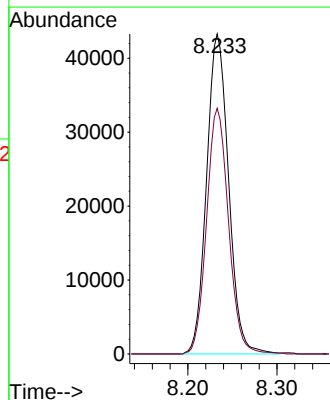
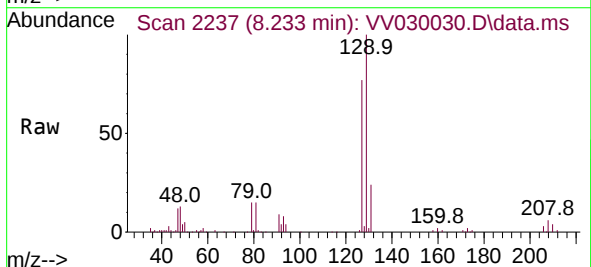
Ion	Ratio	Lower	Upper
43	100		
58	60.3	51.4	77.2
57	20.1	17.0	25.6
100	13.5	12.5	18.7

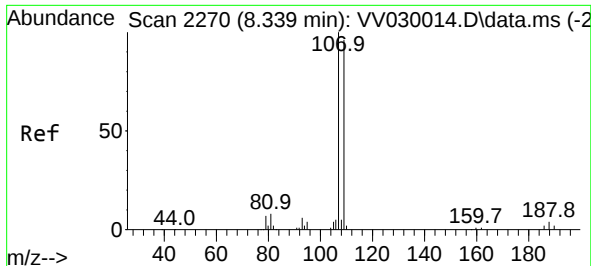


#49
Dibromochloromethane
Concen: 5.182 ug/L
RT: 8.233 min Scan# 2237
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

Tgt Ion: 129 Resp: 74295

Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.1	100.5





#50

1,2-Dibromoethane

Concen: 5.393 ug/L

RT: 8.339 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005283

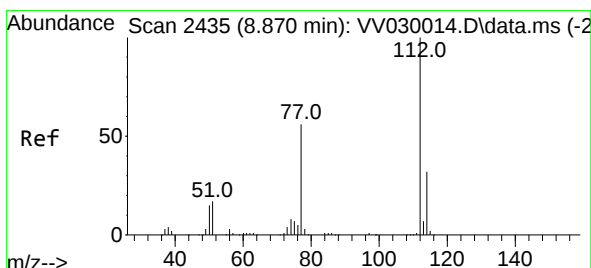
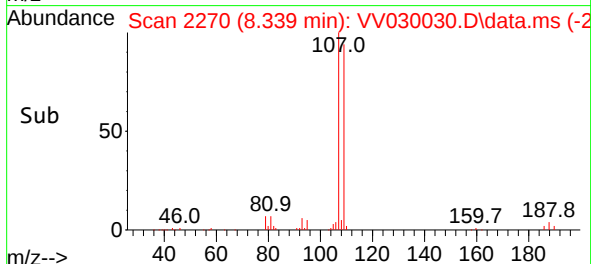
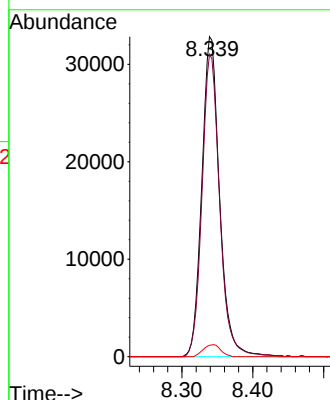
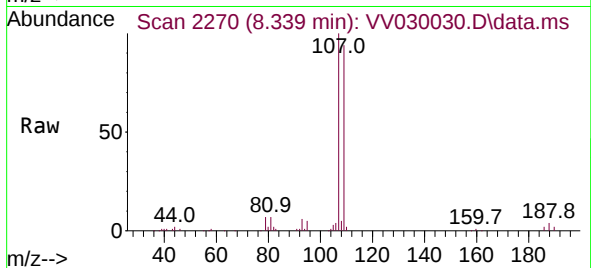
Tgt Ion:107 Resp: 57193

Ion Ratio Lower Upper

107 100

109 94.5 66.1 122.7

188 3.5 2.9 4.3



#51

Chlorobenzene

Concen: 5.341 ug/L

RT: 8.869 min Scan# 2435

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

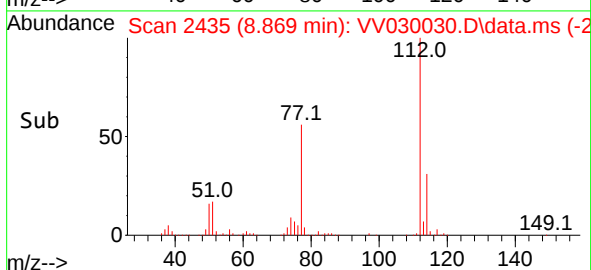
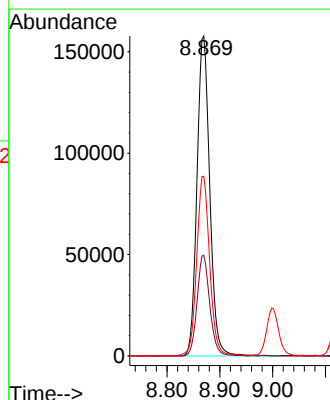
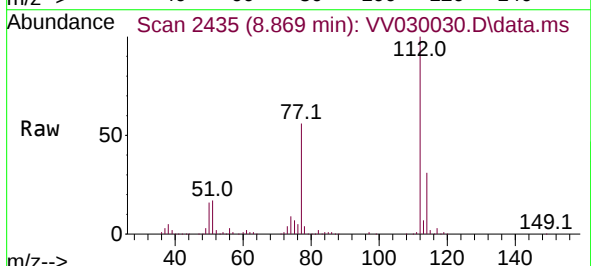
Tgt Ion:112 Resp: 264872

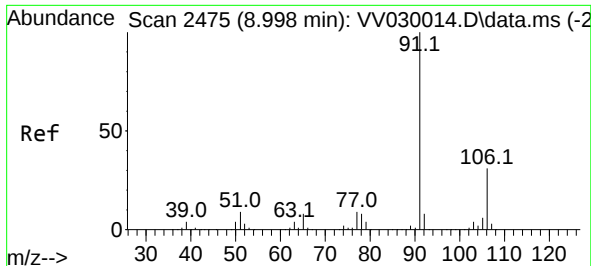
Ion Ratio Lower Upper

112 100

114 31.4 22.5 41.9

77 56.1 46.1 69.1

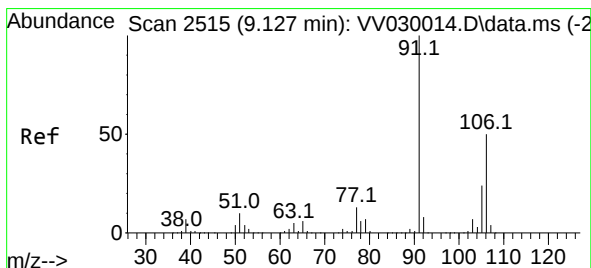
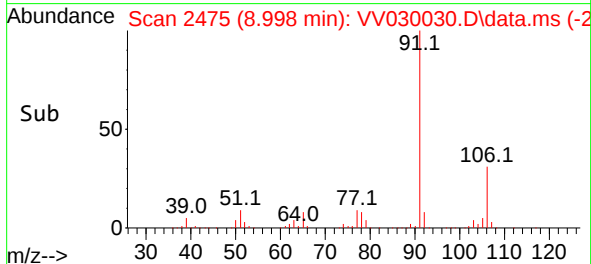
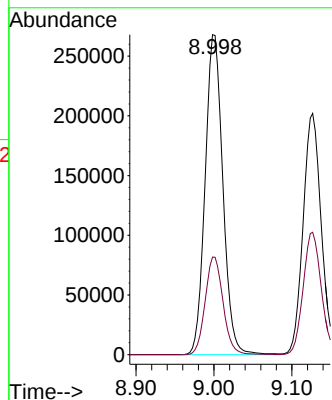
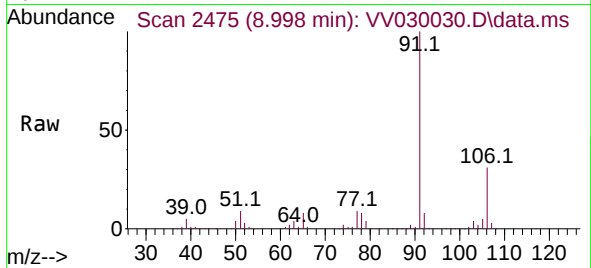




#52
Ethylbenzene
Concen: 5.198 ug/L
RT: 8.998 min Scan# 2475
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

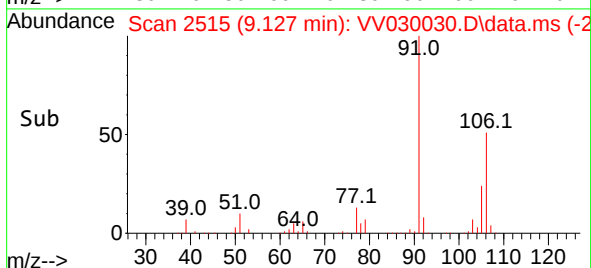
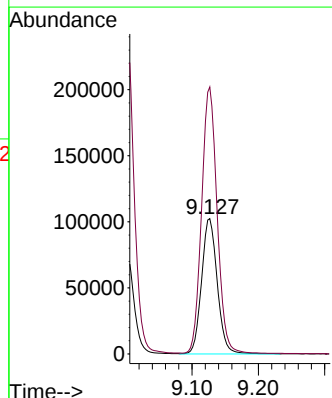
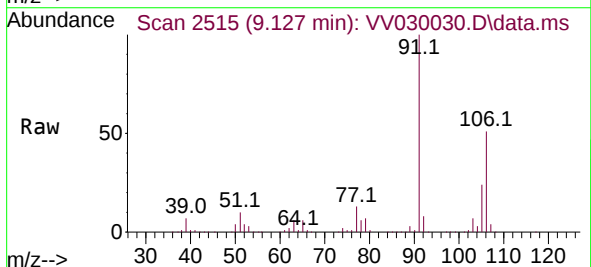
Instrument :
MSVOA_V
ClientSampleId :
VSTD005283

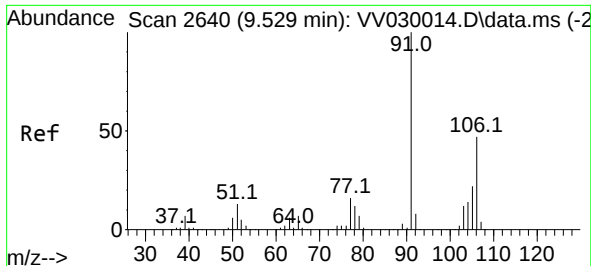
Tgt Ion: 91 Resp: 424889
Ion Ratio Lower Upper
91 100
106 30.5 21.9 40.7



#53
m,p-Xylene
Concen: 5.199 ug/L
RT: 9.127 min Scan# 2515
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

Tgt Ion: 106 Resp: 168217
Ion Ratio Lower Upper
106 100
91 197.2 138.7 257.7

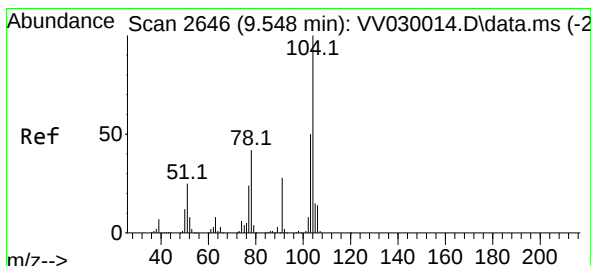
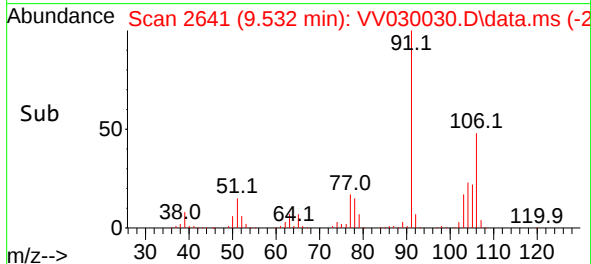
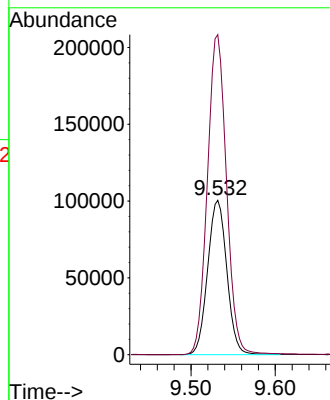
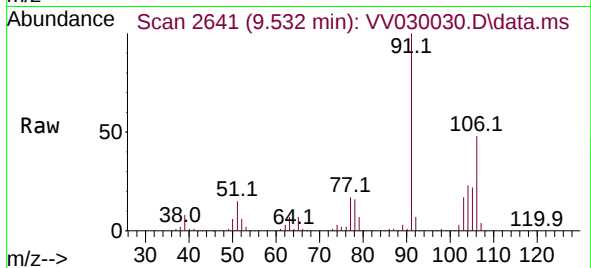




#54
o-Xylene
Concen: 5.195 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. 0.003 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

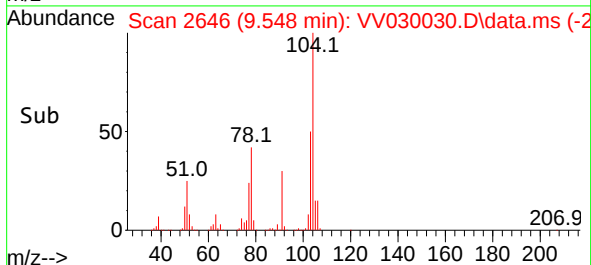
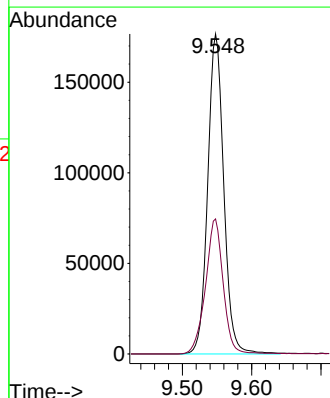
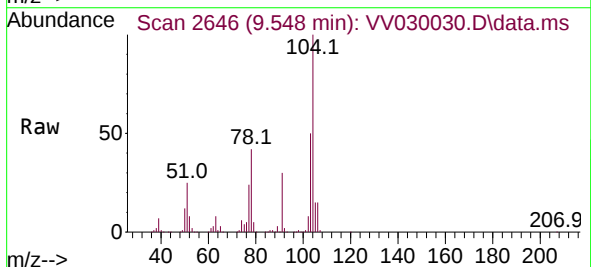
Instrument :
MSVOA_V
ClientSampleId :
VSTD005283

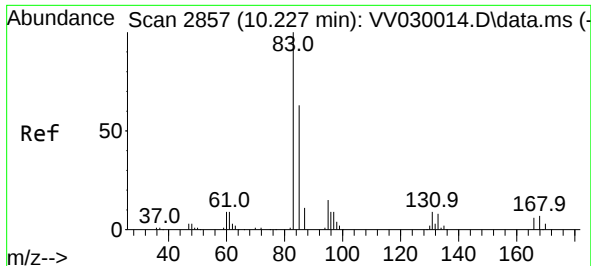
Tgt Ion:106 Resp: 159507
Ion Ratio Lower Upper
106 100
91 207.1 147.7 274.3



#55
Styrene
Concen: 5.365 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

Tgt Ion:104 Resp: 283296
Ion Ratio Lower Upper
104 100
78 42.2 28.6 53.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.648 ug/L

RT: 10.226 min Scan# 2857

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005283

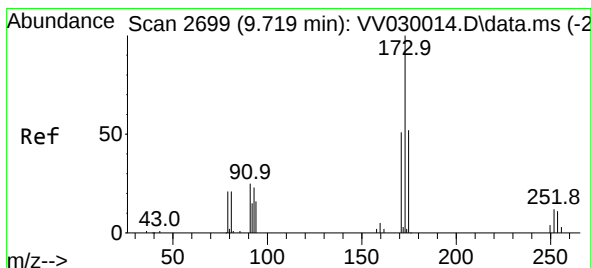
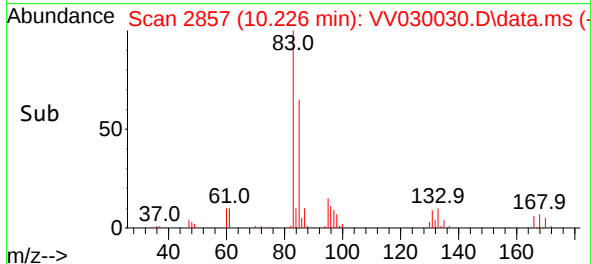
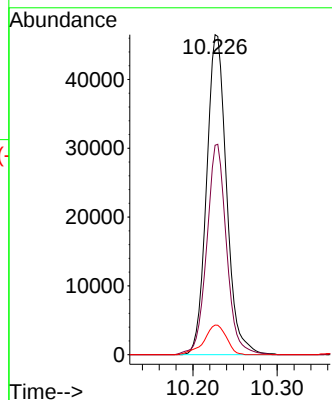
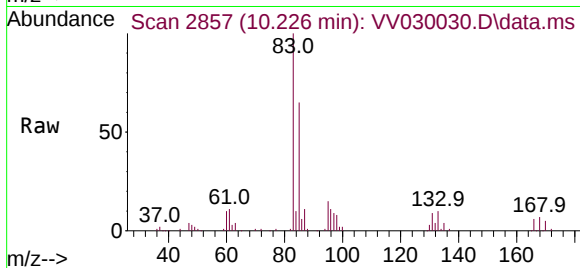
Tgt Ion: 83 Resp: 76657

Ion Ratio Lower Upper

83 100

85 65.5 46.0 85.4

131 9.3 8.4 12.6



#59

Bromoform

Concen: 5.180 ug/L

RT: 9.718 min Scan# 2699

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

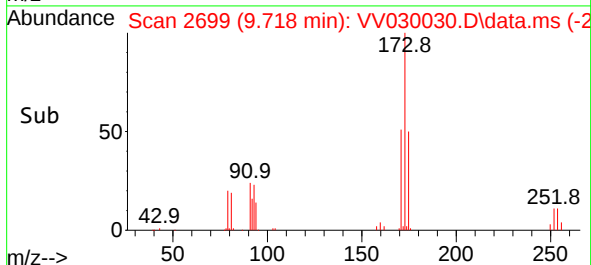
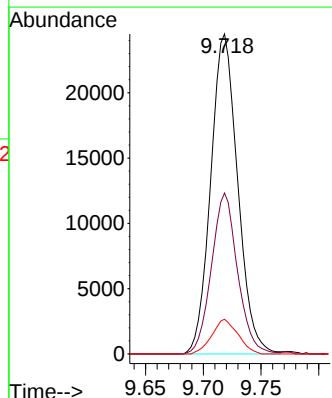
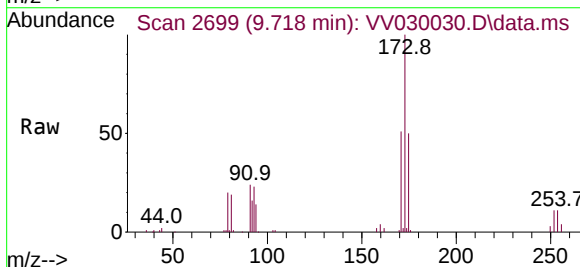
Tgt Ion: 173 Resp: 39794

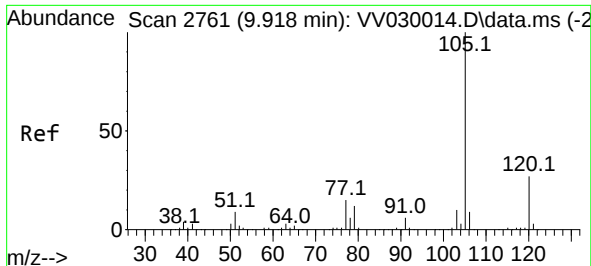
Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

254 10.5 7.9 11.9

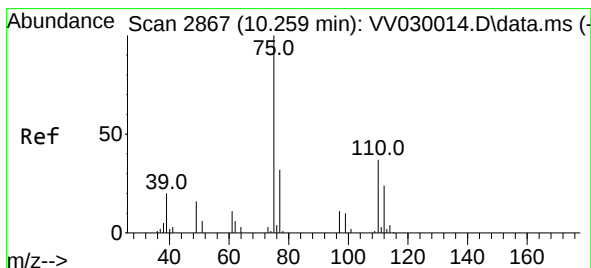
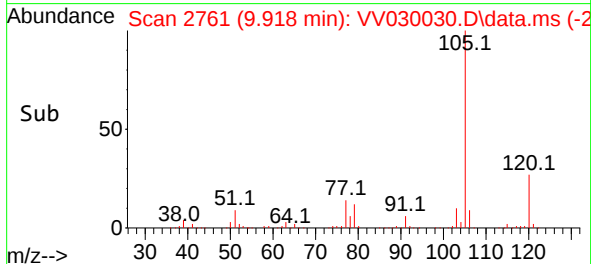
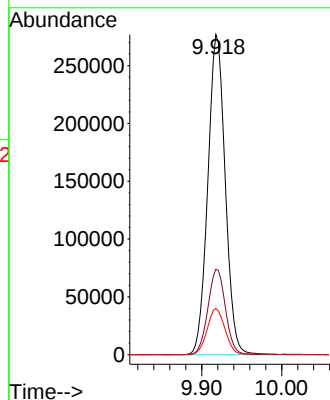
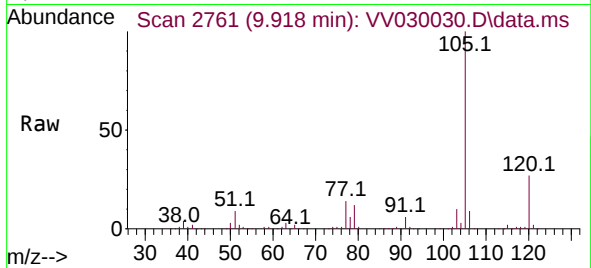




#60
Isopropylbenzene
Concen: 5.541 ug/L
RT: 9.918 min Scan# 2761
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

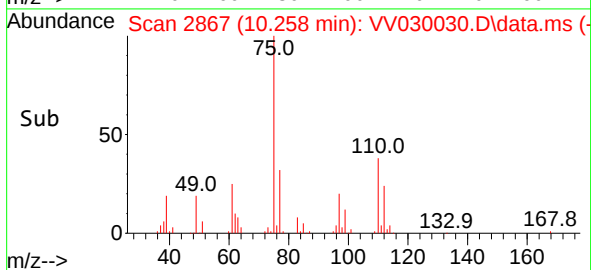
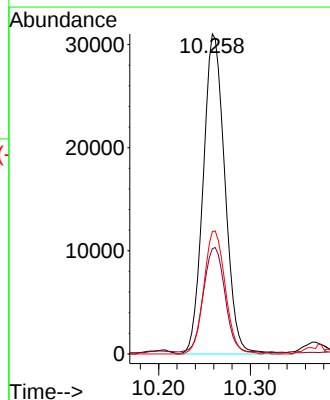
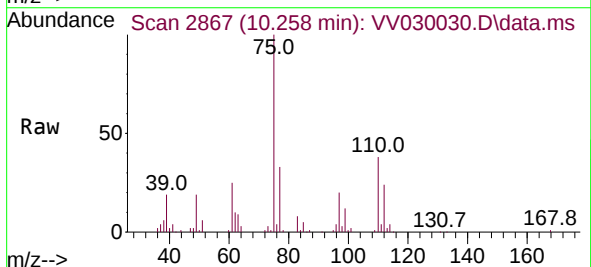
Instrument :
MSVOA_V
ClientSampleId :
VSTD005283

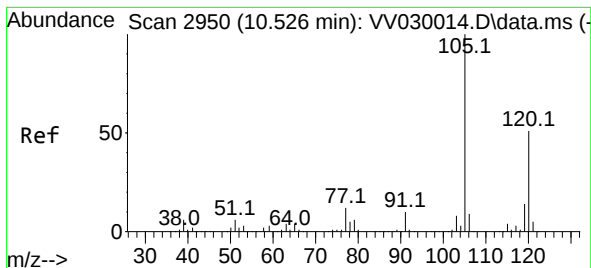
Tgt Ion:105 Resp: 420105
Ion Ratio Lower Upper
105 100
120 26.9 21.2 31.8
77 14.7 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.801 ug/L
RT: 10.258 min Scan# 2867
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

Tgt Ion: 75 Resp: 50951
Ion Ratio Lower Upper
75 100
77 32.9 26.5 39.7
110 37.9 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 5.316 ug/L

RT: 10.525 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VV030030.D

Acq: 03 Feb 2023 09:36

Instrument :

MSVOA_V

ClientSampleId :

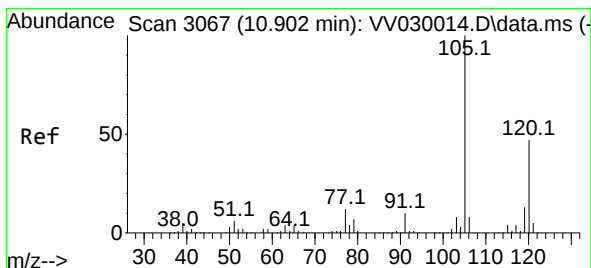
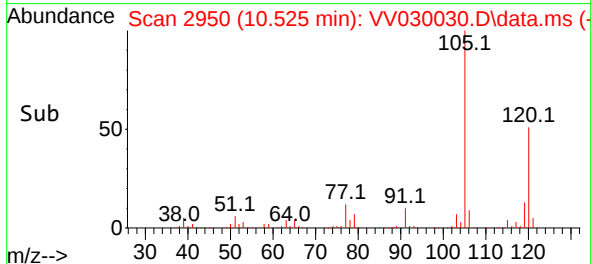
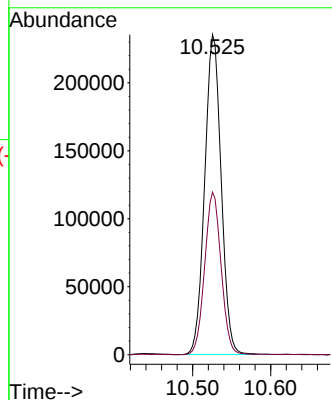
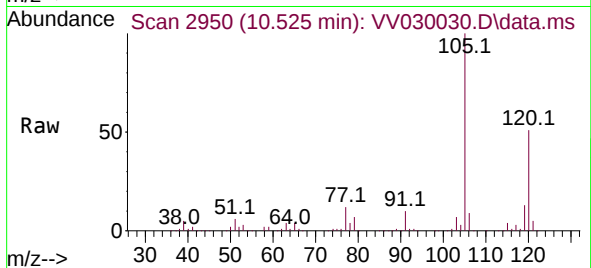
VSTD005283

Tgt Ion:105 Resp: 345388

Ion Ratio Lower Upper

105 100

120 50.7 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 5.319 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. -0.000 min

Lab File: VV030030.D

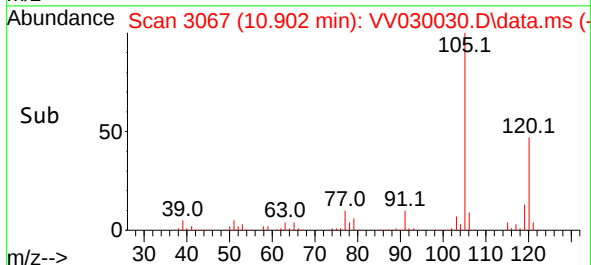
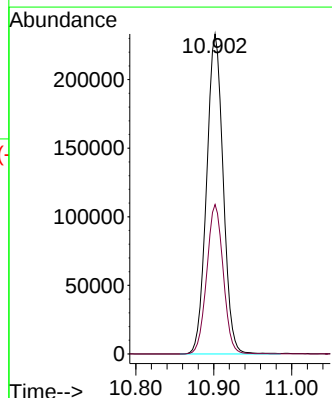
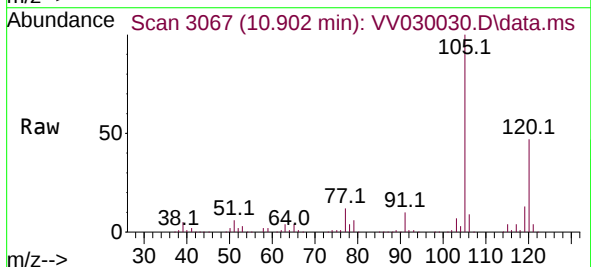
Acq: 03 Feb 2023 09:36

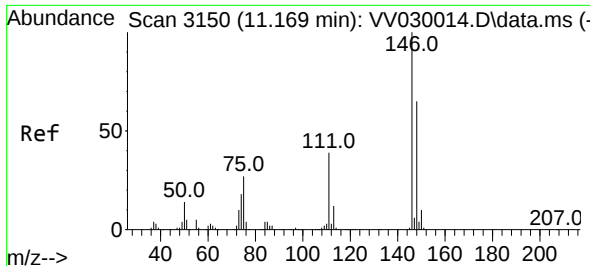
Tgt Ion:105 Resp: 344610

Ion Ratio Lower Upper

105 100

120 46.4 37.4 56.0

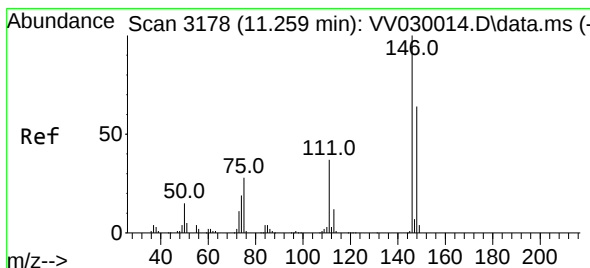
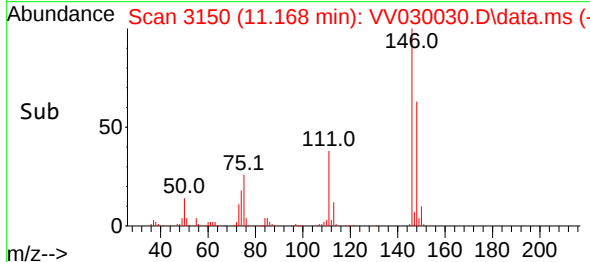
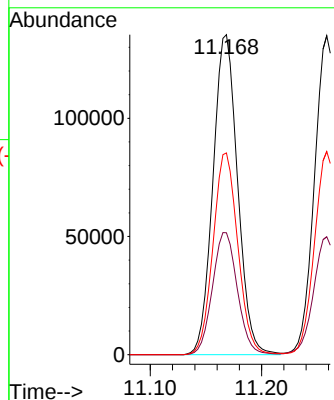
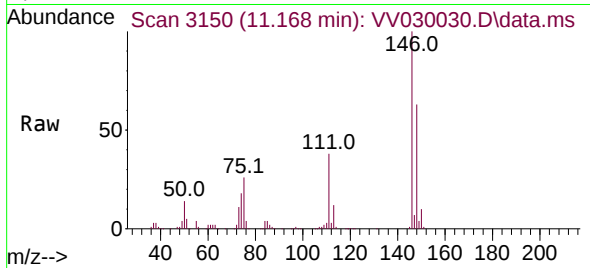




#64
1,3-Dichlorobenzene
Concen: 5.405 ug/L
RT: 11.168 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

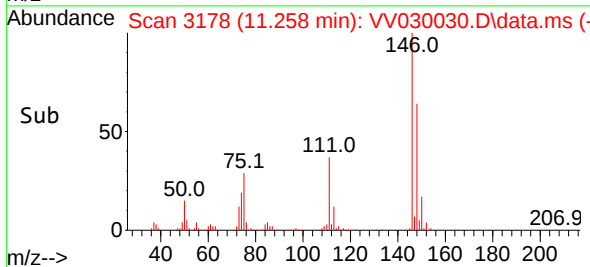
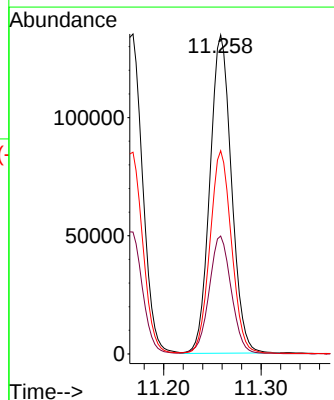
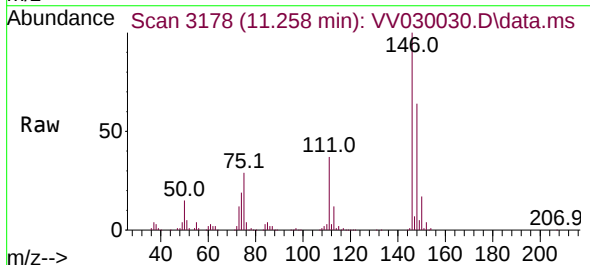
Instrument :
MSVOA_V
ClientSampleId :
VSTD005283

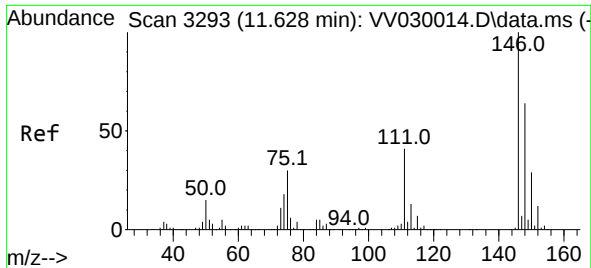
Tgt Ion:146 Resp: 208112
Ion Ratio Lower Upper
146 100
111 38.1 27.2 50.6
148 63.1 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 5.403 ug/L
RT: 11.258 min Scan# 3178
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

Tgt Ion:146 Resp: 207373
Ion Ratio Lower Upper
146 100
111 37.0 26.5 49.1
148 63.7 45.8 85.2

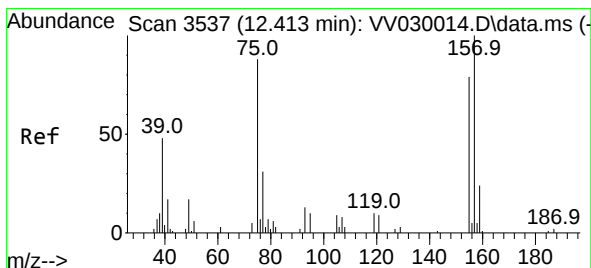
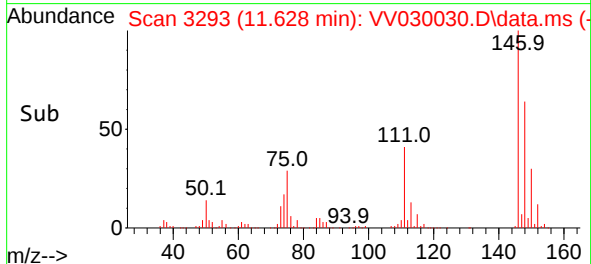
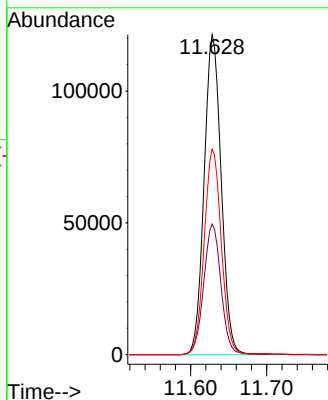
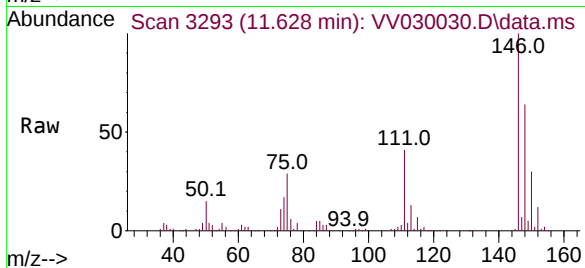




#67
1,2-Dichlorobenzene
Concen: 5.473 ug/L
RT: 11.628 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

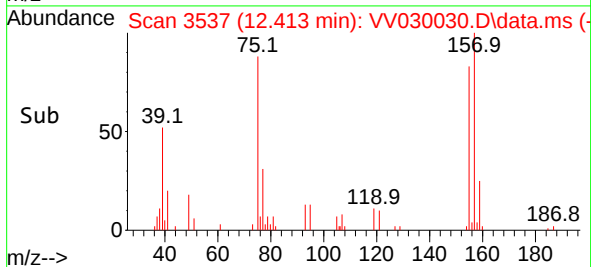
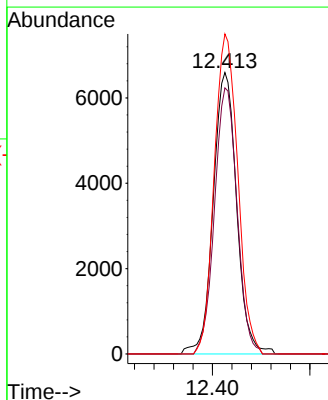
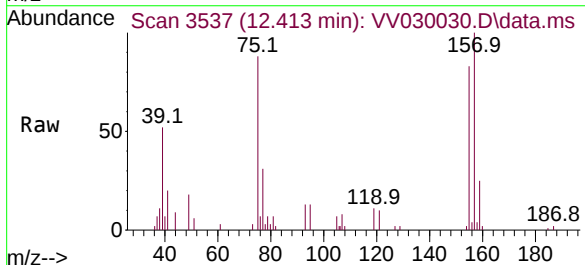
Instrument :
MSVOA_V
ClientSampleId :
VSTD005283

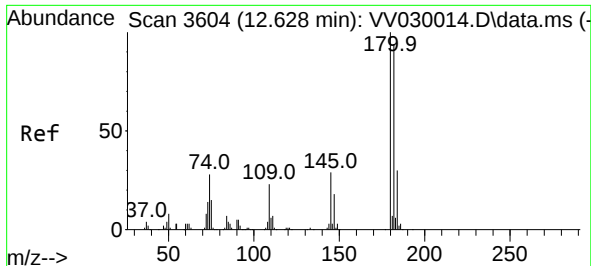
Tgt Ion:146 Resp: 189444
Ion Ratio Lower Upper
146 100
111 40.8 31.8 47.8
148 64.2 51.4 77.0



#68
1,2-Dibromo-3-chloropropane
Concen: 5.286 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

Tgt Ion: 75 Resp: 10980
Ion Ratio Lower Upper
75 100
155 94.5 75.5 113.3
157 113.7 99.2 148.8

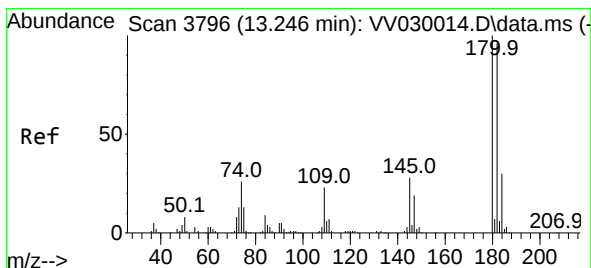
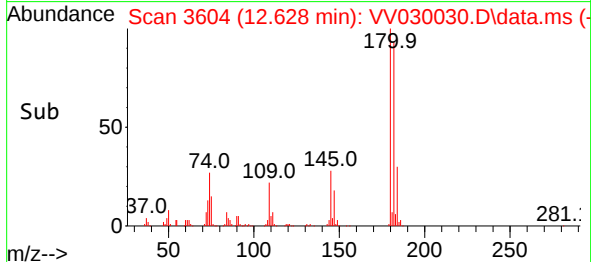
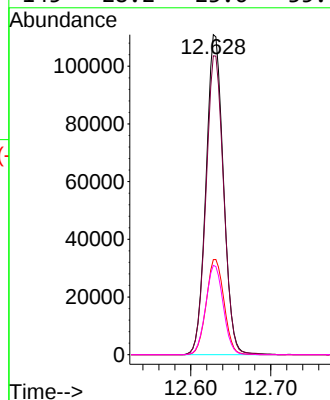
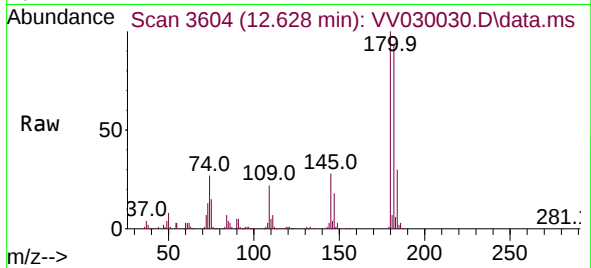




#69
 1,3,5-Trichlorobenzene
 Concen: 5.436 ug/L
 RT: 12.628 min Scan# 3604
 Delta R.T. -0.000 min
 Lab File: VV030030.D
 Acq: 03 Feb 2023 09:36

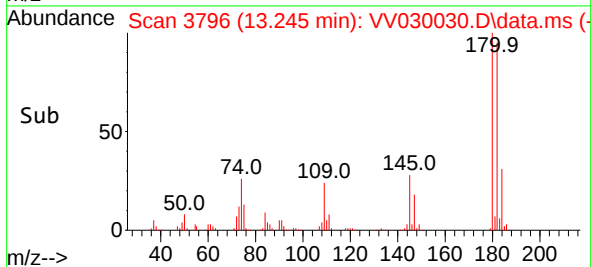
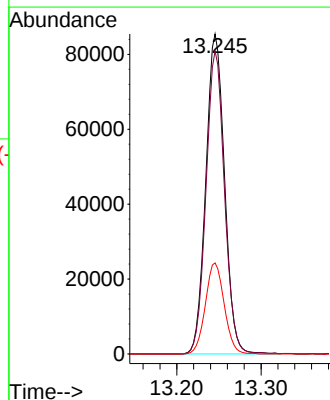
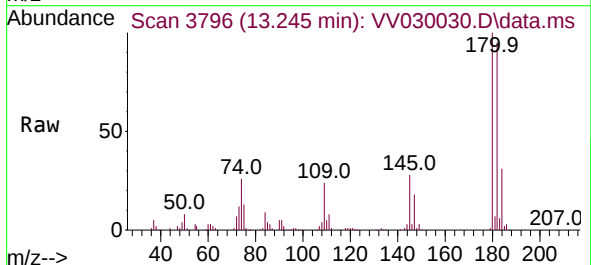
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005283

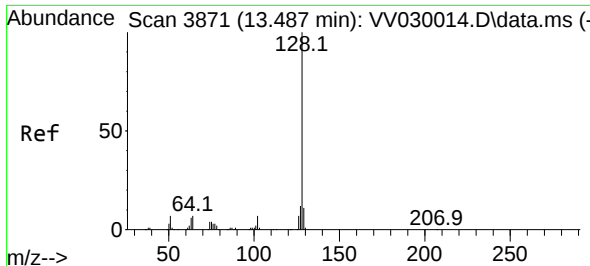
Tgt Ion:	180	Resp:	168453
Ion Ratio	Lower	Upper	
180	100		
182	95.0	75.4	113.2
184	30.4	23.9	35.9
145	28.2	23.6	35.4



#70
 1,2,4-trichlorobenzene
 Concen: 5.458 ug/L
 RT: 13.245 min Scan# 3796
 Delta R.T. -0.000 min
 Lab File: VV030030.D
 Acq: 03 Feb 2023 09:36

Tgt Ion:	180	Resp:	132185
Ion Ratio	Lower	Upper	
180	100		
182	93.4	75.8	113.8
145	28.6	23.7	35.5

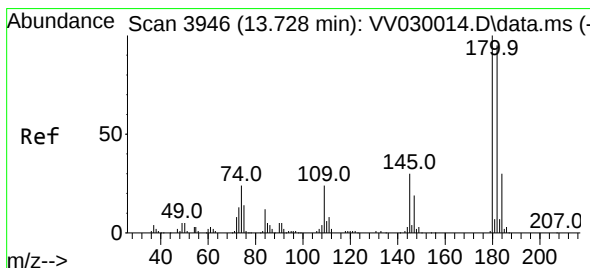
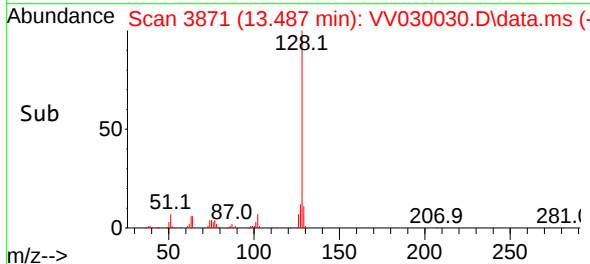
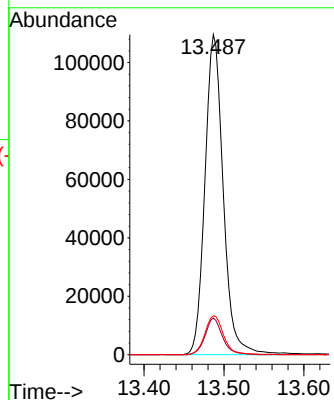
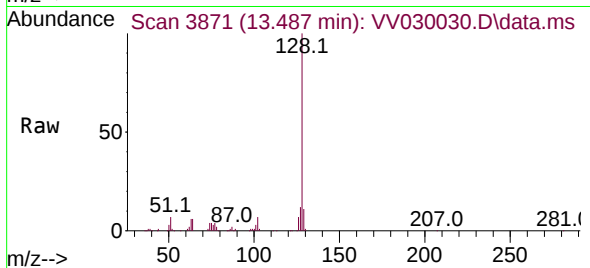




#71
Naphthalene
Concen: 5.567 ug/L
RT: 13.487 min Scan# 3871
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD005283

Tgt Ion:128 Resp: 174661
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 12.4 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 5.519 ug/L
RT: 13.728 min Scan# 3946
Delta R.T. -0.000 min
Lab File: VV030030.D
Acq: 03 Feb 2023 09:36

Tgt Ion:180 Resp: 110930
Ion Ratio Lower Upper
180 100
182 95.4 75.5 113.3
145 30.8 25.0 37.6

