

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032023\
 Data File : VW030270.D
 Acq On : 20 Mar 2023 20:23
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005309

Quant Time: Mar 21 03:00:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 17 22:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	148821	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	141752	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	76428	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	37239	3.867	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.400%
7) Chloroethane-d5	1.539	69	34062	3.768	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.400%
11) 1,1-Dichloroethene-d2	2.066	63	83970	4.242	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.800%
20) 2-Butanone-d5	3.815	46	92223	51.945	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.900%
24) Chloroform-d	4.259	84	85086	4.326	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	4.953	65	41916	5.220	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	4.970	84	148413	3.891	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
36) 1,2-Dichloropropane-d6	5.998	67	44085	3.842	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.800%
41) Toluene-d8	7.252	98	143675	3.974	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.400%
43) trans-1,3-Dichloroprop...	7.561	79	17865	4.551	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.034	63	74683	45.982	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.960%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	32469	3.977	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.600%
66) 1,2-Dichlorobenzene-d4	11.571	152	53728	4.155	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	48474	4.003	ug/L	98
3) Chloromethane	1.217	50	65667	3.442	ug/L	98
5) Vinyl chloride	1.288	62	52825	4.166	ug/L	98
6) Bromomethane	1.494	94	15765	6.926	ug/L	92
8) Chloroethane	1.555	64	33939	4.393	ug/L	98
9) Trichlorofluoromethane	1.719	101	90634	4.982	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	46485	4.120	ug/L	96
12) 1,1-Dichloroethene	2.076	96	41890	4.194	ug/L	87
13) Acetone	2.143	43	73296	55.857	ug/L	65
14) Carbon disulfide	2.246	76	91827	3.436	ug/L	96
15) Methyl Acetate	2.391	43	14428	4.708	ug/L	99
16) Methylene chloride	2.455	84	43869	3.595	ug/L	89
17) Methyl tert-butyl Ether	2.712	73	97866	5.011	ug/L	# 93
18) trans-1,2-Dichloroethene	2.703	96	38978	4.103	ug/L	94
19) 1,1-Dichloroethane	3.121	63	84744	4.788	ug/L	99
21) 2-Butanone	3.896	43	95853	54.315	ug/L	90
22) cis-1,2-Dichloroethene	3.825	96	46202	4.400	ug/L	87
23) Bromochloromethane	4.166	128	20335	4.532	ug/L	92
25) Chloroform	4.288	83	91447	4.967	ug/L	94

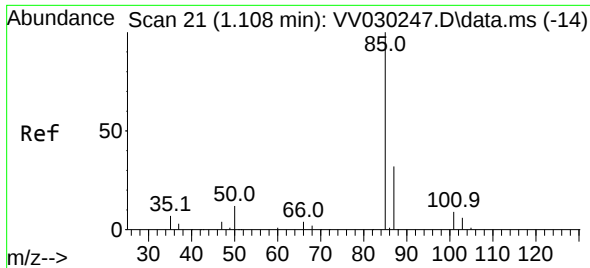
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	53439	5.549	ug/L #	93
29) 1,1,1-Trichloroethane	4.523	97	86296	5.182	ug/L	97
30) Cyclohexane	4.597	56	58112	4.039	ug/L	99
31) Carbon tetrachloride	4.744	117	74692	4.990	ug/L	100
33) Benzene	5.021	78	173085	4.471	ug/L	100
34) Trichloroethene	5.841	95	46728	4.308	ug/L	95
35) Methylcyclohexane	6.059	83	59741	3.639	ug/L	95
37) 1,2-Dichloropropane	6.101	63	43629	4.430	ug/L	98
38) Bromodichloromethane	6.442	83	63191	5.026	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	62217	4.315	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	249239	61.327	ug/L	91
42) Toluene	7.323	91	196052	4.676	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	54397	4.833	ug/L	96
45) 1,1,2-Trichloroethane	7.776	97	31934	4.531	ug/L	98
47) Tetrachloroethene	7.912	164	38541	4.139	ug/L	96
48) 2-Hexanone	8.085	43	179351	61.643	ug/L	91
49) Dibromochloromethane	8.185	129	39244	4.759	ug/L	100
50) 1,2-Dibromoethane	8.291	107	28584	4.347	ug/L	99
51) Chlorobenzene	8.821	112	127347	4.503	ug/L	97
52) Ethylbenzene	8.953	91	213165	4.671	ug/L	99
53) m,p-Xylene	9.082	106	81712	4.659	ug/L	98
54) o-Xylene	9.487	106	81527	4.867	ug/L	100
55) Styrene	9.503	104	142820	5.127	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.188	83	35779	4.539	ug/L	96
59) Bromoform	9.674	173	23324	5.092	ug/L	98
60) Isopropylbenzene	9.876	105	226766	5.157	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	24859	4.860	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	176989	4.900	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	180766	4.892	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	106962	4.671	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	108132	4.681	ug/L	97
67) 1,2-Dichlorobenzene	11.587	146	100055	4.949	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	6513	5.701	ug/L	89
69) 1,3,5-Trichlorobenzene	12.593	180	83652	4.444	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	66454	4.358	ug/L	98
71) Naphthalene	13.448	128	102041	5.121	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	58249	4.640	ug/L	98

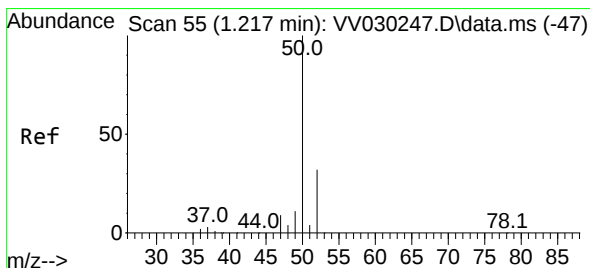
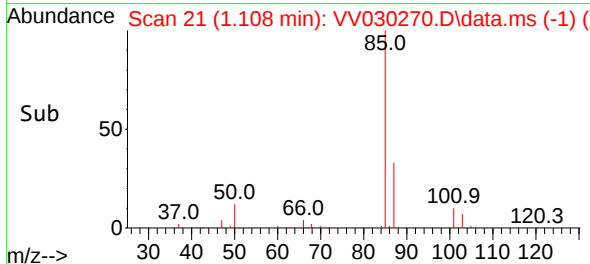
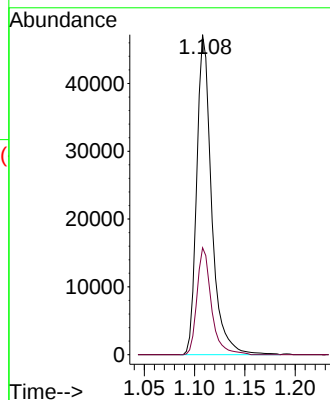
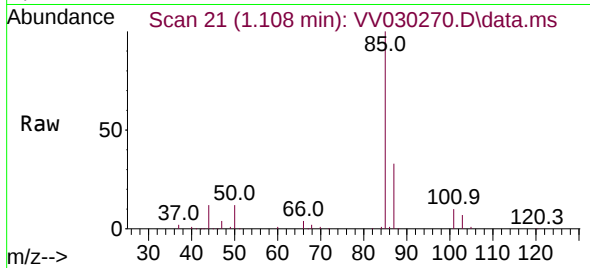
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#2
 Dichlorodifluoromethane
 Concen: 4.003 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030270.D
 Acq: 20 Mar 2023 20:23

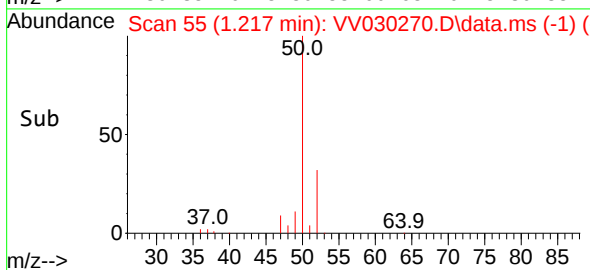
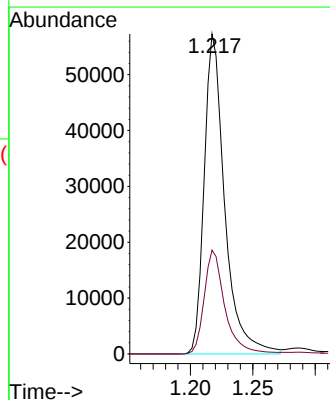
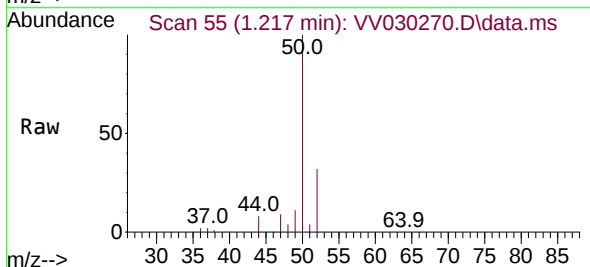
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005309

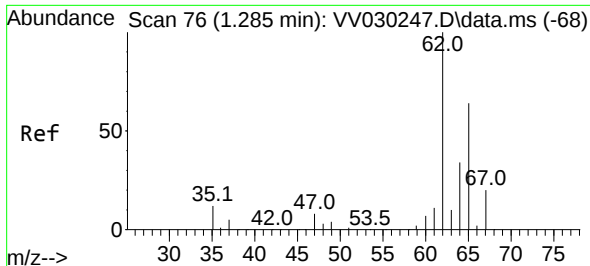
Tgt Ion: 85 Resp: 48474
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.6 39.8



#3
 Chloromethane
 Concen: 3.442 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030270.D
 Acq: 20 Mar 2023 20:23

Tgt Ion: 50 Resp: 65667
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.6 43.8

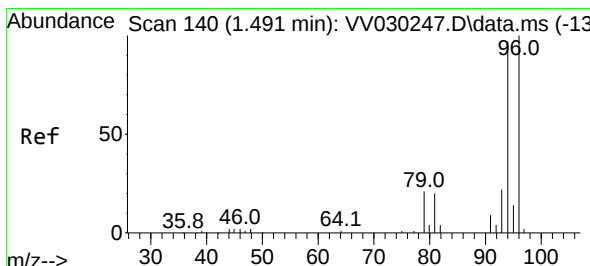
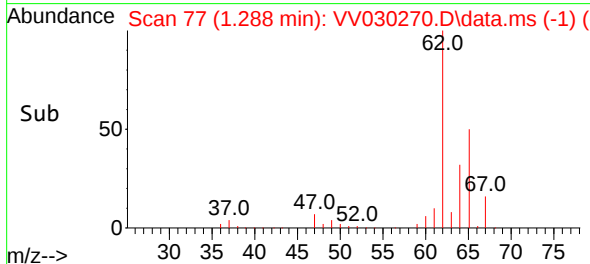
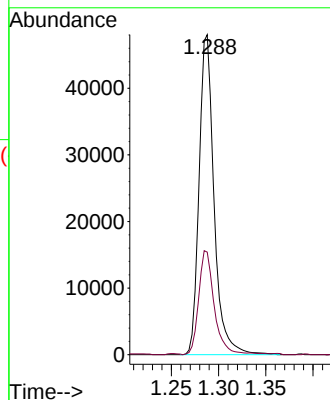
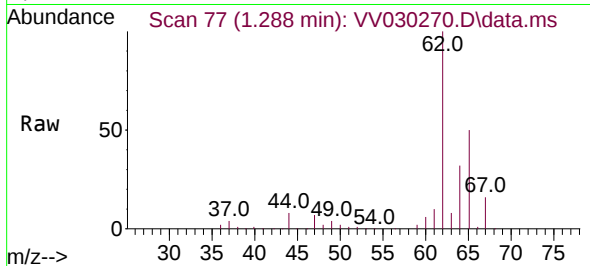




#5
 Vinyl chloride
 Concen: 4.166 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV030270.D
 Acq: 20 Mar 2023 20:23

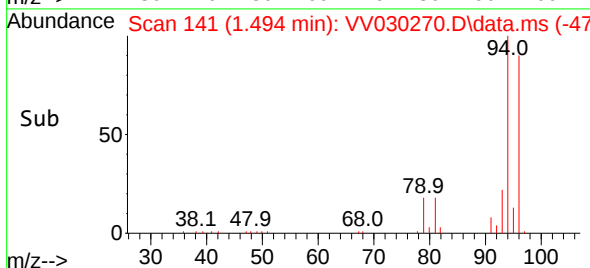
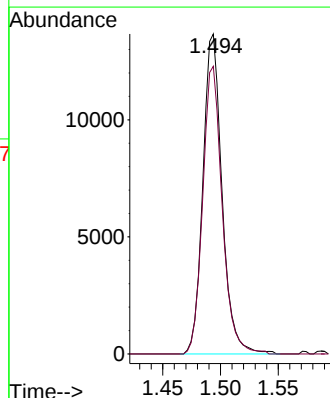
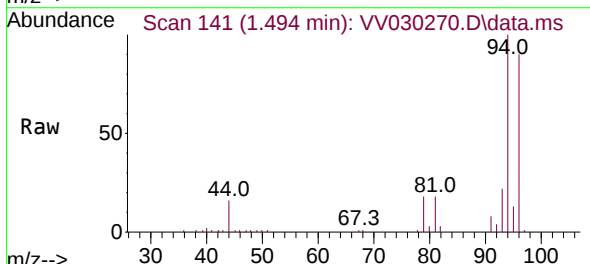
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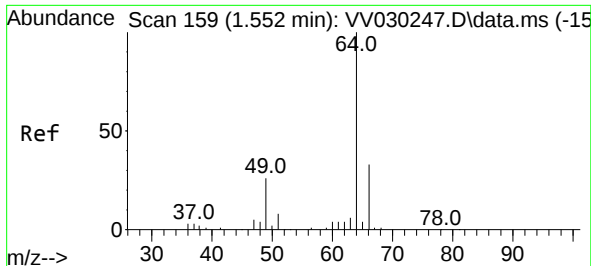
Tgt Ion: 62 Resp: 52825
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.1 42.9



#6
 Bromomethane
 Concen: 6.926 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV030270.D
 Acq: 20 Mar 2023 20:23

Tgt Ion: 94 Resp: 15765
 Ion Ratio Lower Upper
 94 100
 96 89.9 68.4 127.0

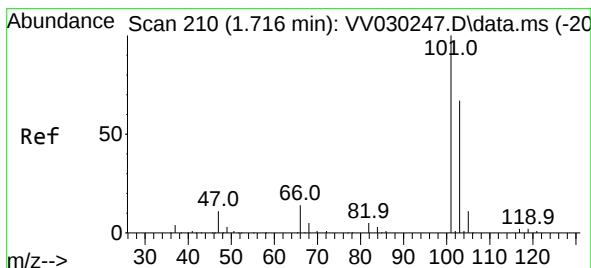
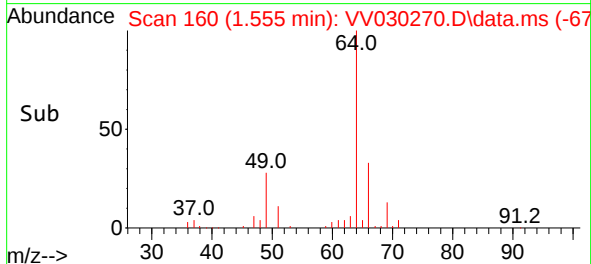
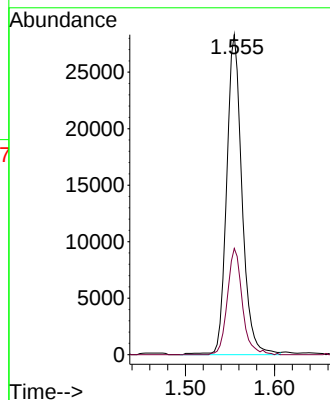
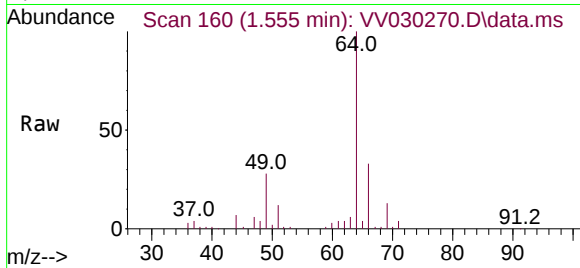




#8
Chloroethane
Concen: 4.393 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

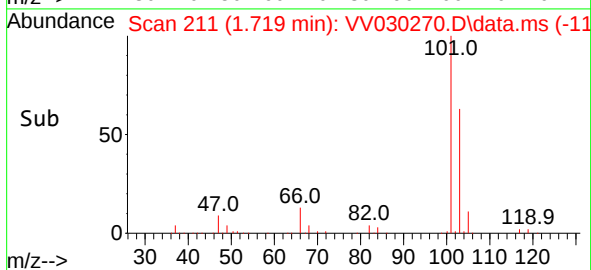
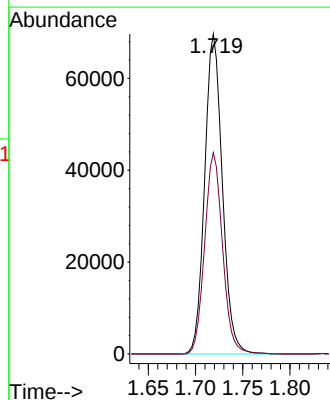
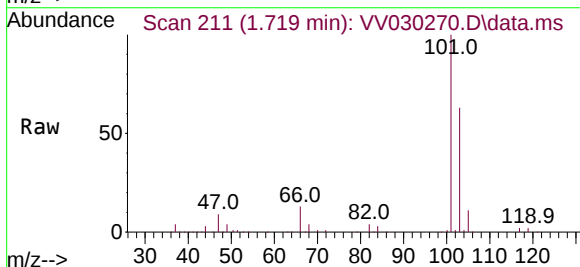
Instrument :
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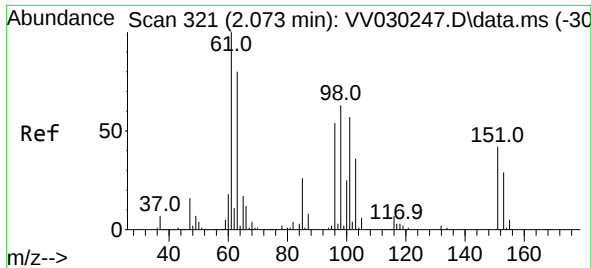
Tgt Ion: 64 Resp: 33939
Ion Ratio Lower Upper
64 100
66 33.2 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.982 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Tgt Ion:101 Resp: 90634
Ion Ratio Lower Upper
101 100
103 63.7 52.7 79.1

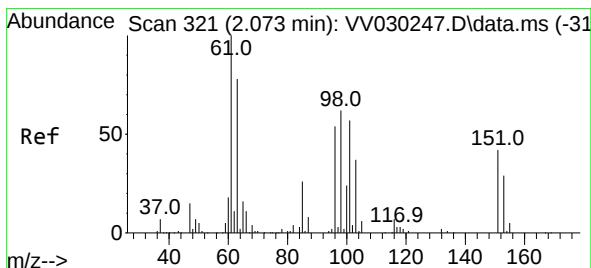
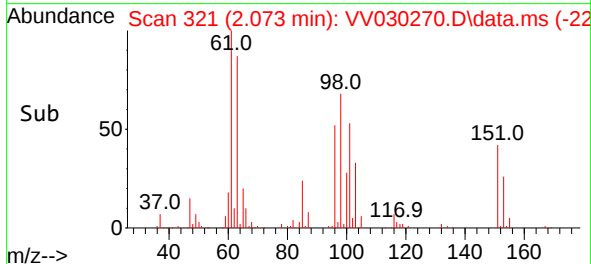
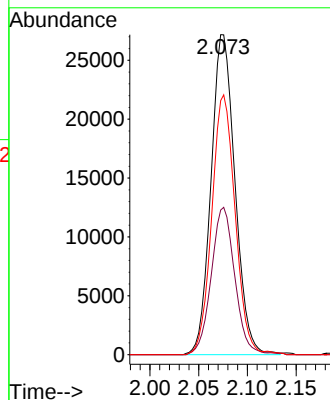
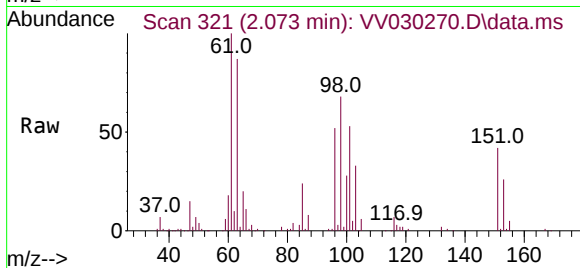




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.120 ug/L
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

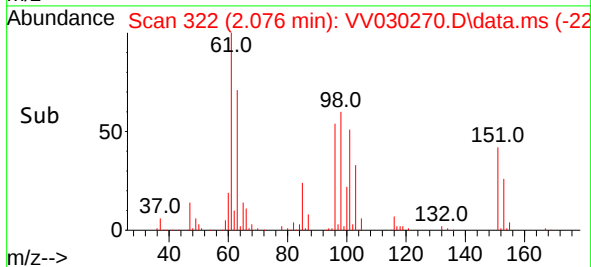
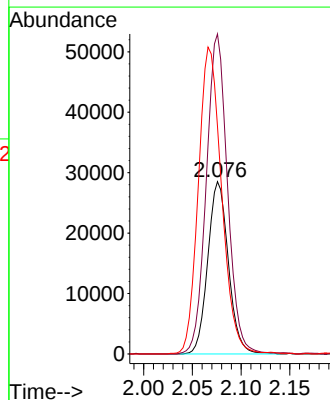
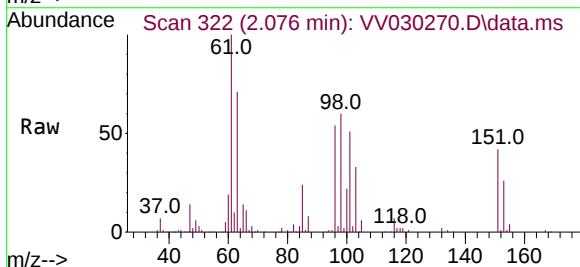
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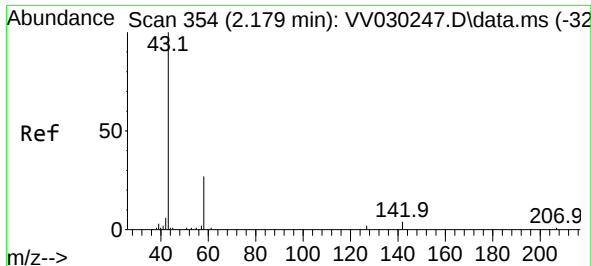
Tgt Ion:101 Resp: 46485
Ion Ratio Lower Upper
101 100
85 45.3 33.5 50.3
151 79.4 61.6 92.4



#12
1,1-Dichloroethene
Concen: 4.194 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Tgt Ion: 96 Resp: 41890
Ion Ratio Lower Upper
96 100
61 185.8 115.6 214.6
63 132.2 85.6 159.0





#13

Acetone

Concen: 55.857 ug/L

RT: 2.143 min Scan# 34

Delta R.T. 0.000 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

Instrument :

MSVOA_V

ClientSampleId :

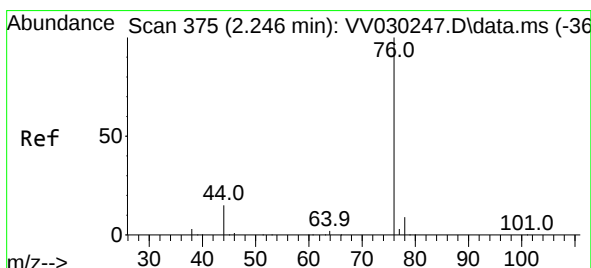
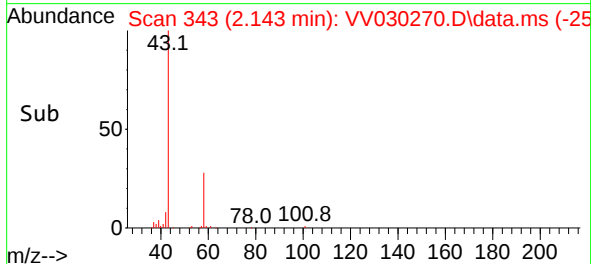
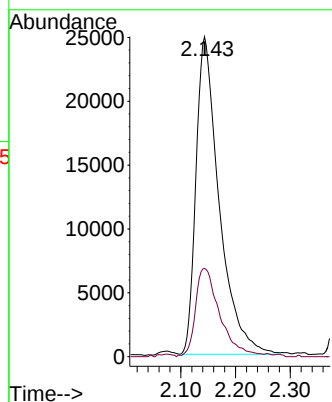
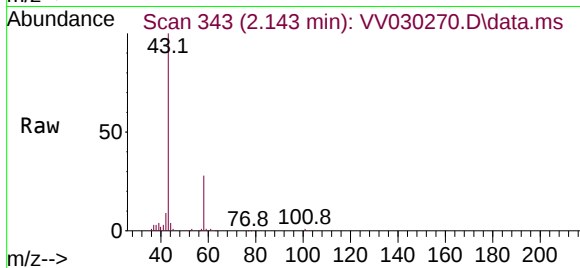
VSTD005309

Tgt Ion: 43 Resp: 73296

Ion Ratio Lower Upper

43 100

58 29.2 0.0 29.4



#14

Carbon disulfide

Concen: 3.436 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030270.D

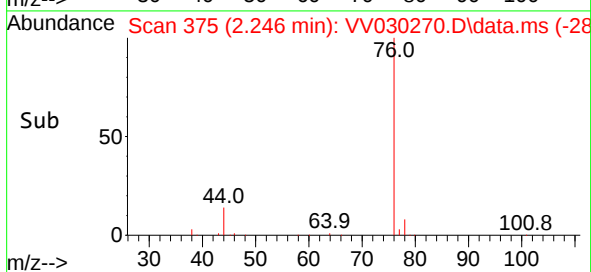
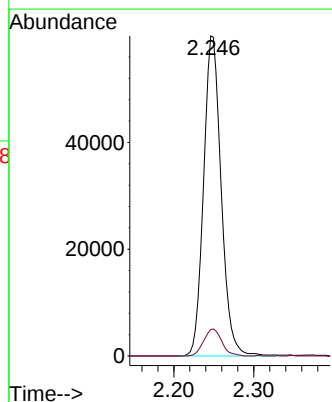
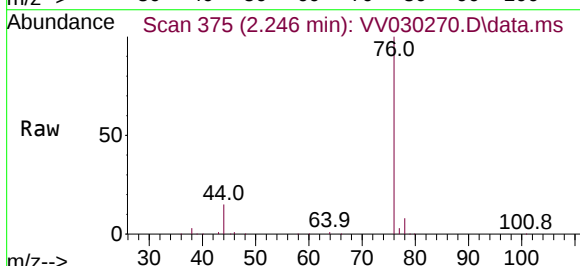
Acq: 20 Mar 2023 20:23

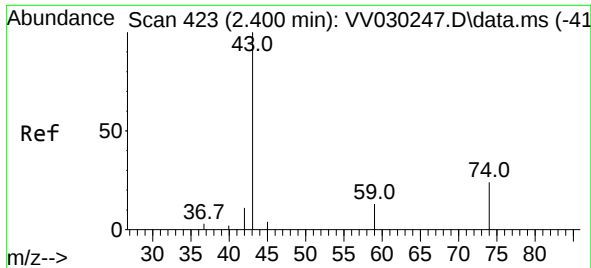
Tgt Ion: 76 Resp: 91827

Ion Ratio Lower Upper

76 100

78 8.2 7.7 11.5

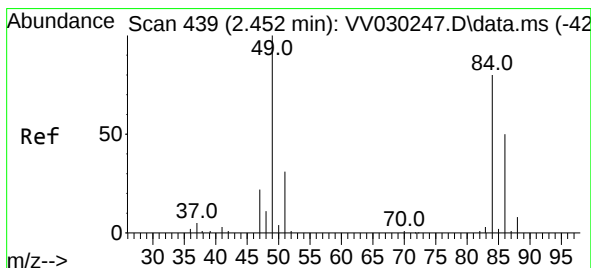
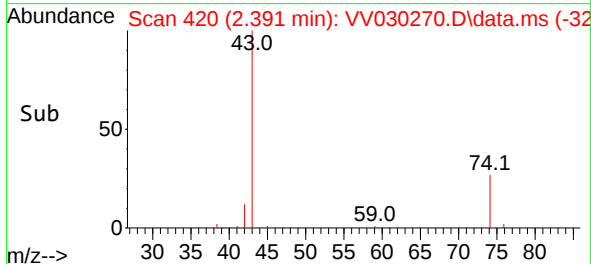
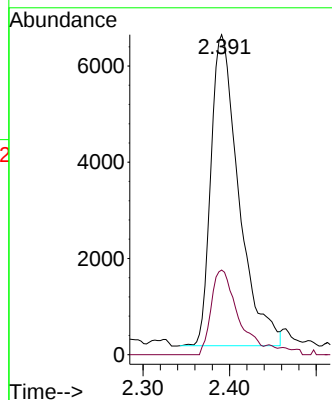
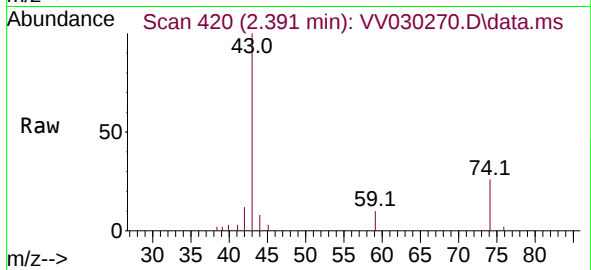




#15
Methyl Acetate
Concen: 4.708 ug/L
RT: 2.391 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

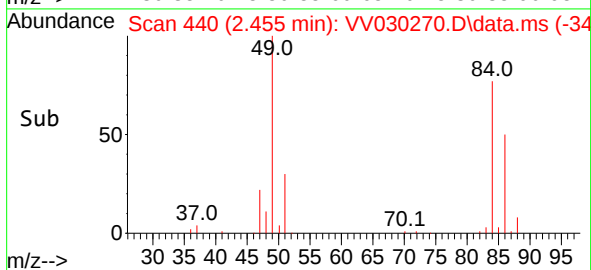
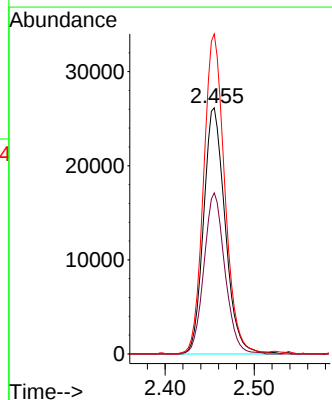
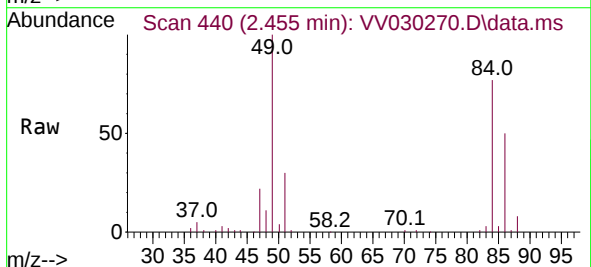
Instrument :
MSVOA_V
ClientSampleId :
VSTD005309

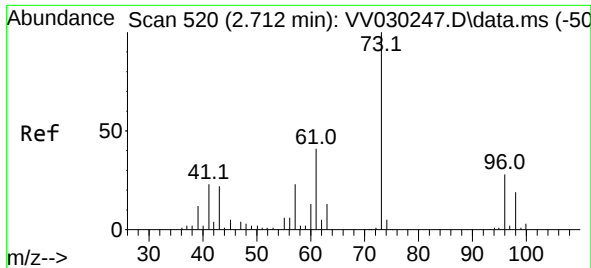
Tgt Ion: 43 Resp: 14428
Ion Ratio Lower Upper
43 100
74 25.8 20.1 30.1



#16
Methylene chloride
Concen: 3.595 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Tgt Ion: 84 Resp: 43869
Ion Ratio Lower Upper
84 100
86 65.5 44.7 83.1
49 130.0 78.8 146.3

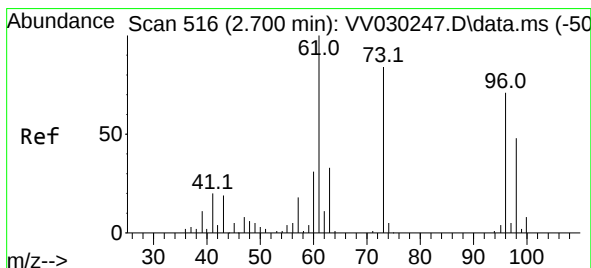
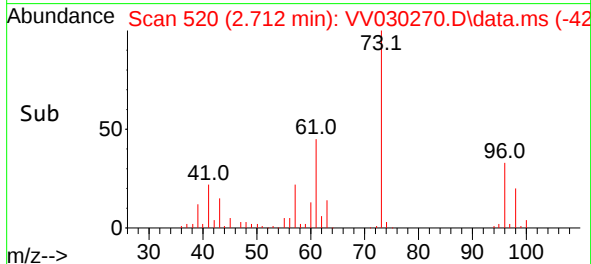
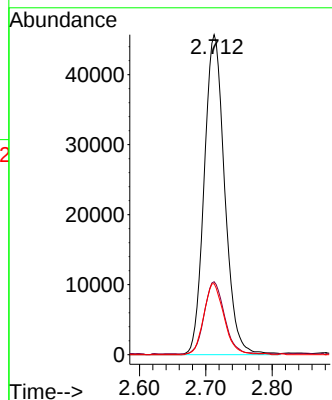
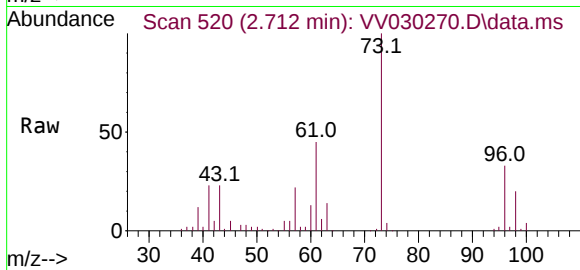




#17
Methyl tert-butyl Ether
Concen: 5.011 ug/L
RT: 2.712 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

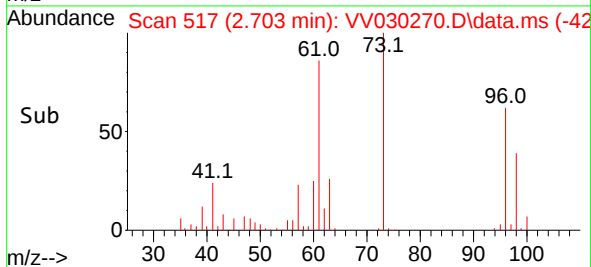
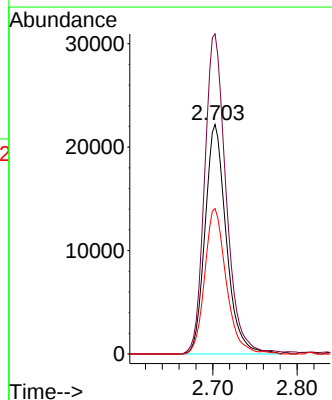
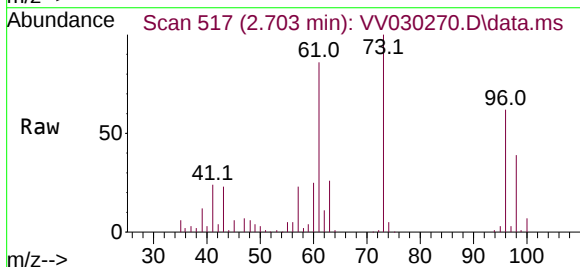
Instrument :
MSVOA_V
ClientSampleId :
VSTD005309

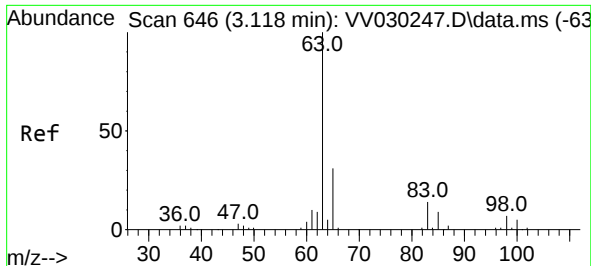
Tgt Ion: 73 Resp: 97866
Ion Ratio Lower Upper
73 100
43 22.1 13.4 20.2#
57 22.1 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 4.103 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Tgt Ion: 96 Resp: 38978
Ion Ratio Lower Upper
96 100
61 139.4 91.0 169.0
98 63.4 45.2 84.0





#19

1,1-Dichloroethane

Concen: 4.788 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD005309

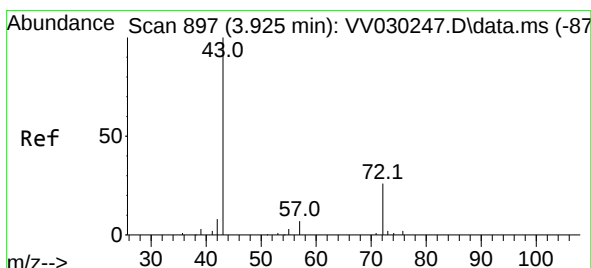
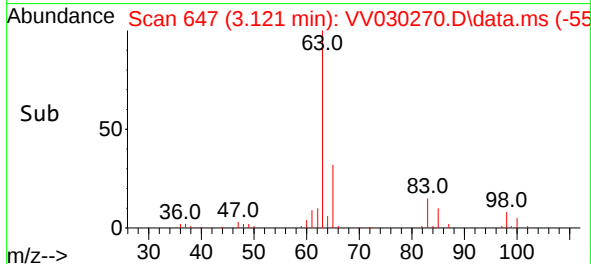
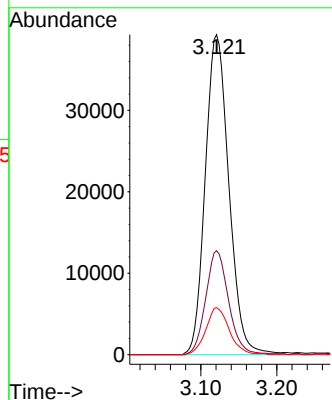
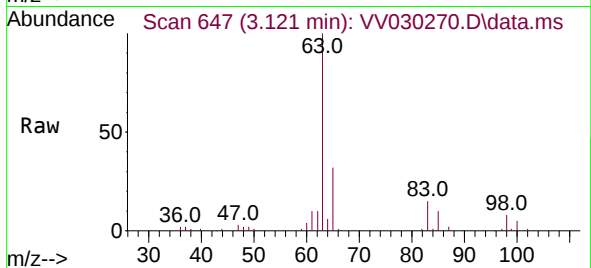
Tgt Ion: 63 Resp: 84744

Ion Ratio Lower Upper

63 100

65 32.5 23.0 42.8

83 14.7 9.6 17.8



#21

2-Butanone

Concen: 54.315 ug/L

RT: 3.896 min Scan# 888

Delta R.T. 0.000 min

Lab File: VV030270.D

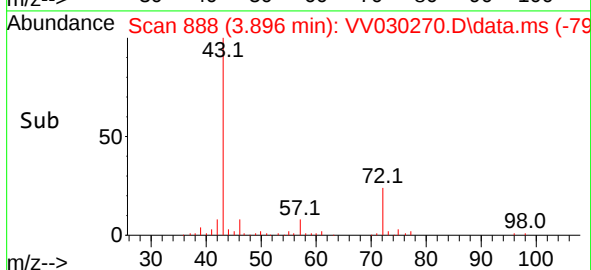
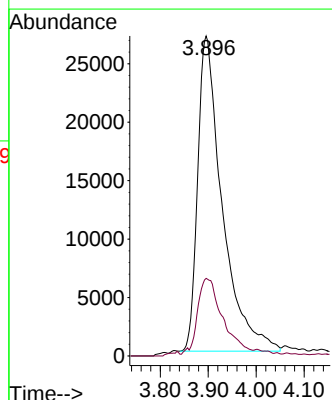
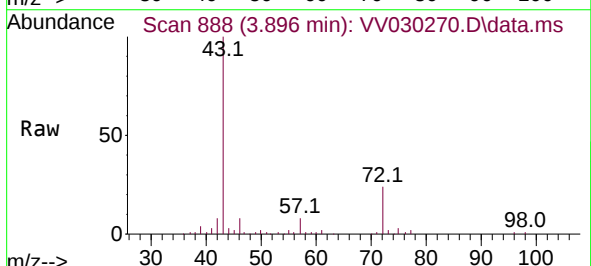
Acq: 20 Mar 2023 20:23

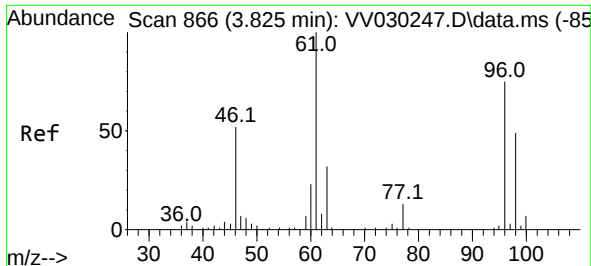
Tgt Ion: 43 Resp: 95853

Ion Ratio Lower Upper

43 100

72 24.6 15.1 45.3

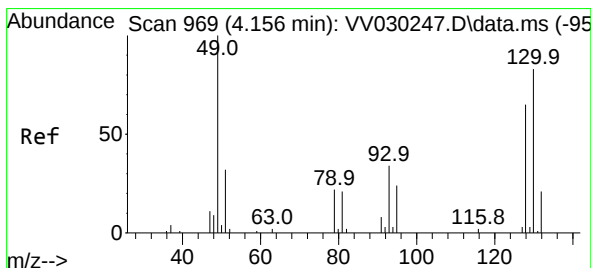
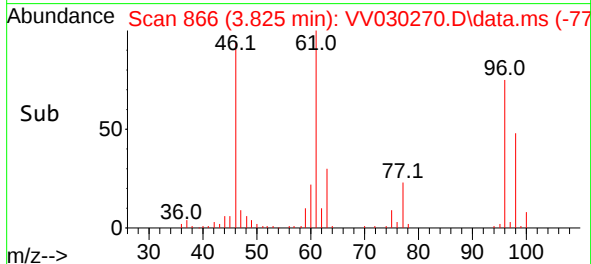
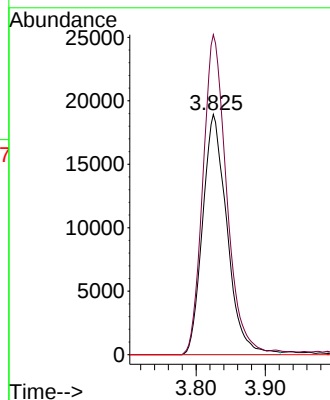
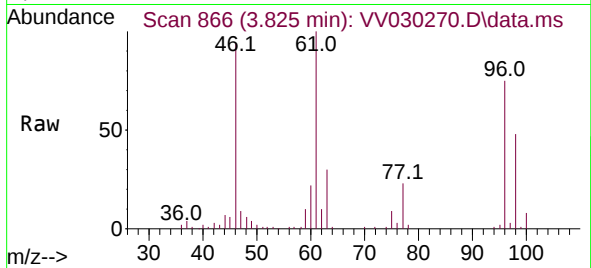




#22
 cis-1,2-Dichloroethene
 Concen: 4.400 ug/L
 RT: 3.825 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VV030270.D
 Acq: 20 Mar 2023 20:23

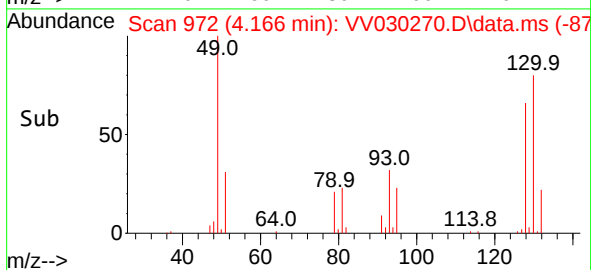
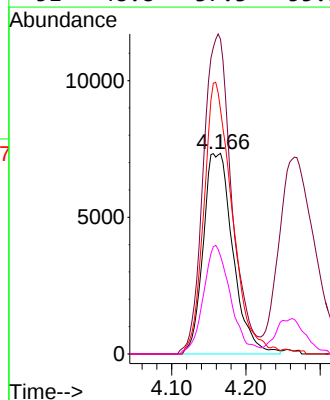
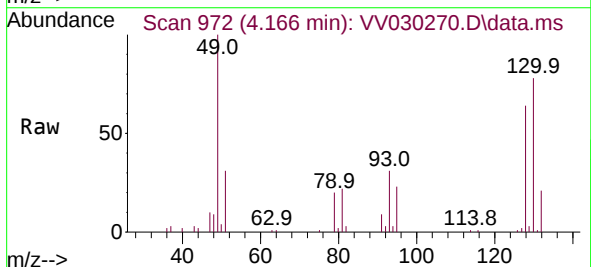
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005309

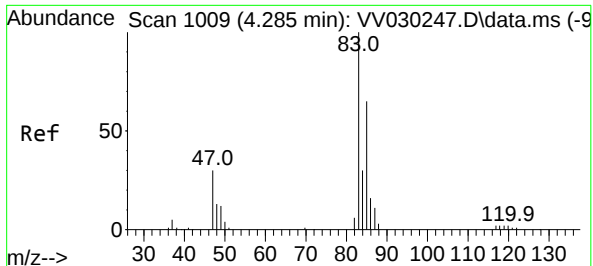
Tgt Ion: 96 Resp: 46202
 Ion Ratio Lower Upper
 96 100
 61 133.2 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.532 ug/L
 RT: 4.166 min Scan# 972
 Delta R.T. 0.010 min
 Lab File: VV030270.D
 Acq: 20 Mar 2023 20:23

Tgt Ion: 128 Resp: 20335
 Ion Ratio Lower Upper
 128 100
 49 156.9 99.5 184.9
 130 121.8 90.5 168.1
 51 48.8 37.3 55.9





#25

Chloroform

Concen: 4.967 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. 0.003 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

Instrument :

MSVOA_V

ClientSampleId :

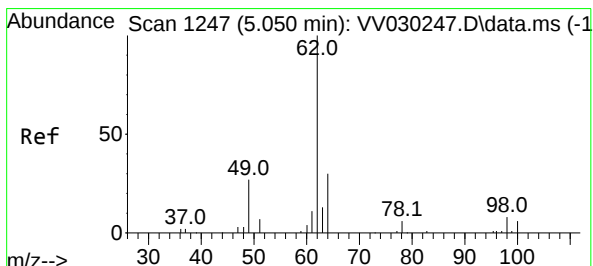
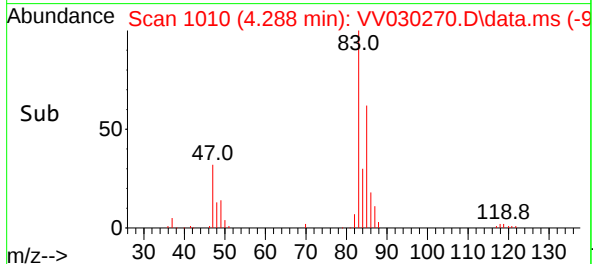
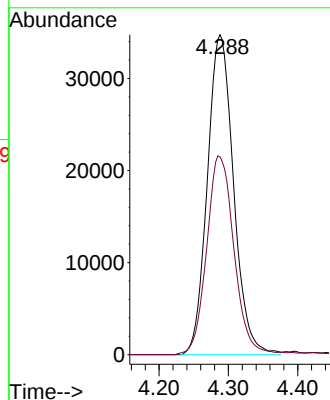
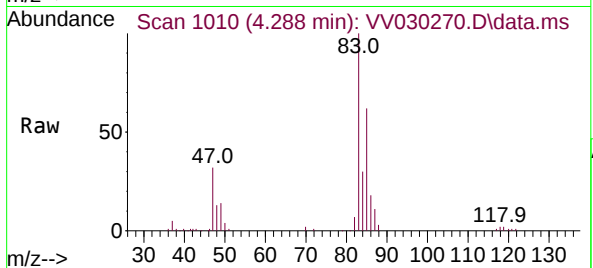
VSTD005309

Tgt Ion: 83 Resp: 91447

Ion Ratio Lower Upper

83 100

85 61.8 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.549 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VV030270.D

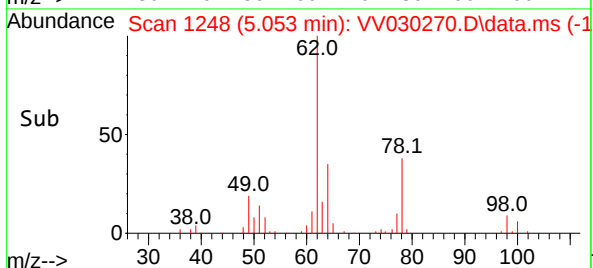
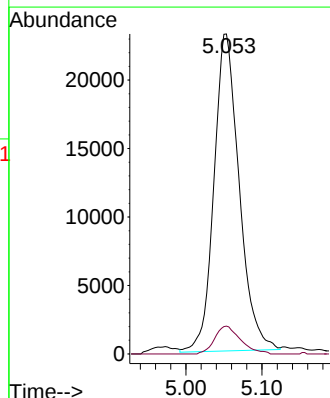
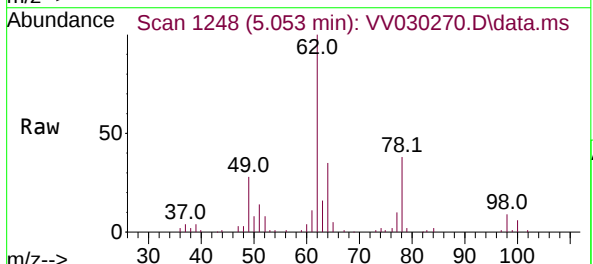
Acq: 20 Mar 2023 20:23

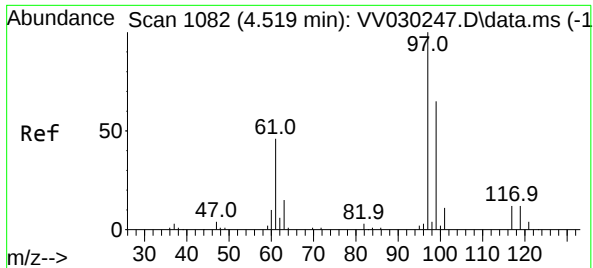
Tgt Ion: 62 Resp: 53439

Ion Ratio Lower Upper

62 100

98 8.7 9.0 13.4#





#29

1,1,1-Trichloroethane

Concen: 5.182 ug/L

RT: 4.523 min Scan# 1082

Delta R.T. 0.003 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD005309

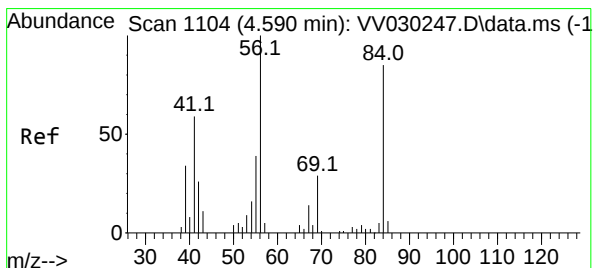
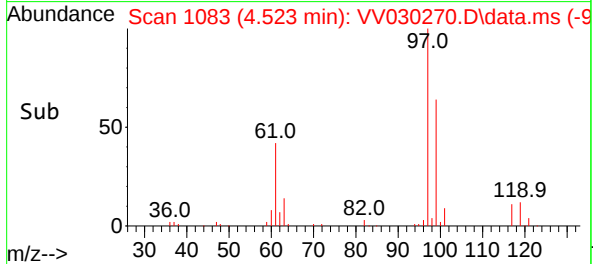
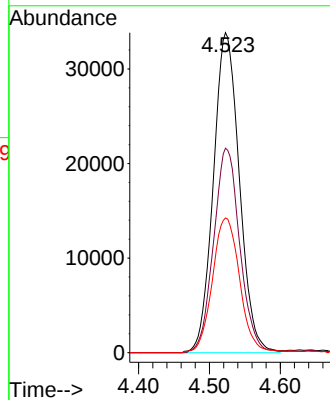
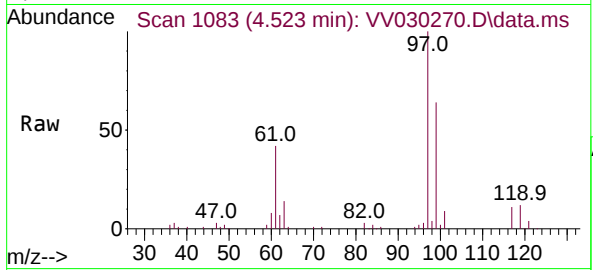
Tgt Ion: 97 Resp: 86296

Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 44.1 31.5 47.3



#30

Cyclohexane

Concen: 4.039 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

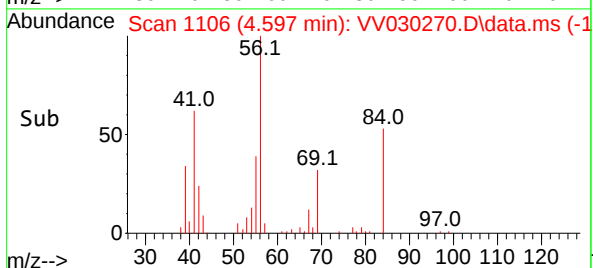
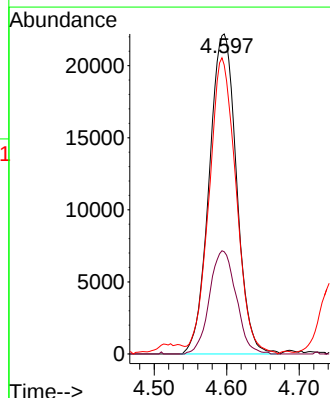
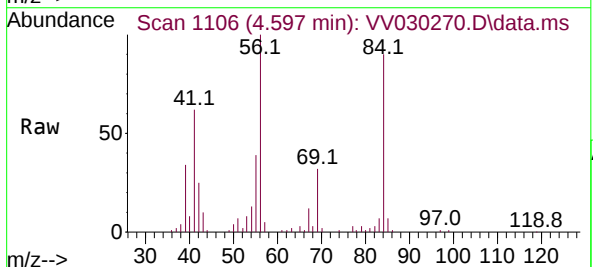
Tgt Ion: 56 Resp: 58112

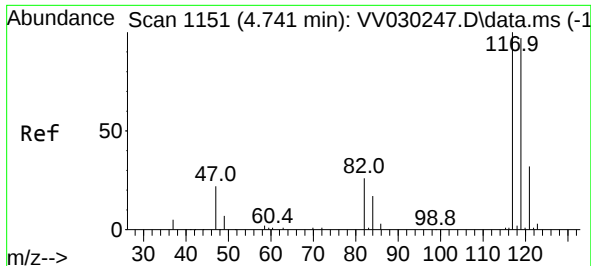
Ion Ratio Lower Upper

56 100

69 31.4 25.1 37.7

84 91.6 74.6 111.8

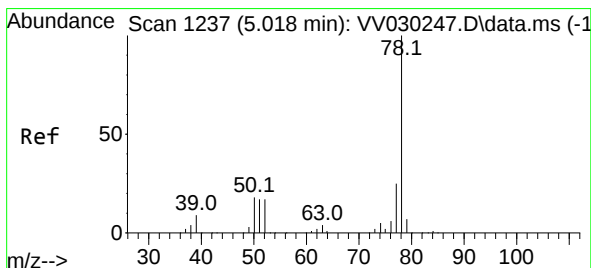
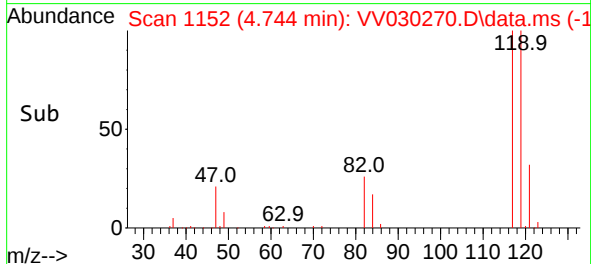
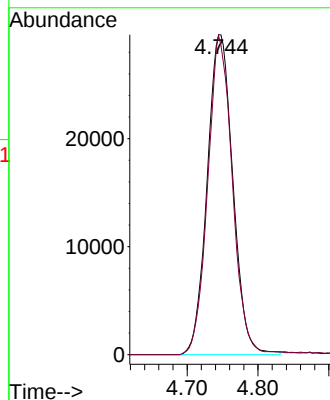
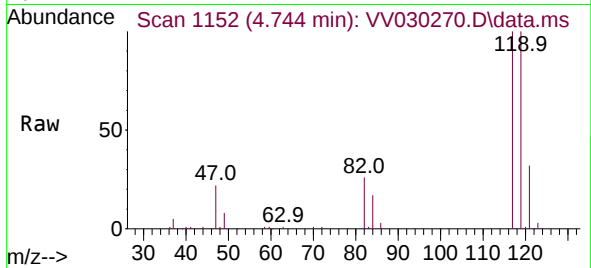




#31
Carbon tetrachloride
Concen: 4.990 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

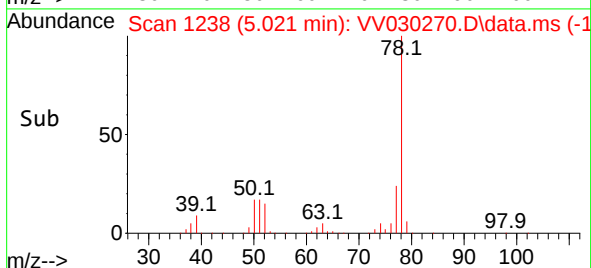
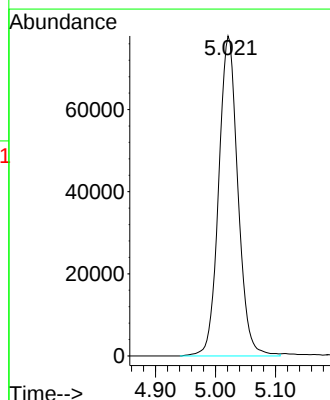
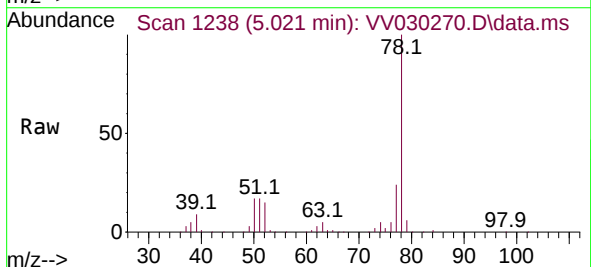
Instrument :
MSVOA_V
ClientSampleId :
VSTD005309

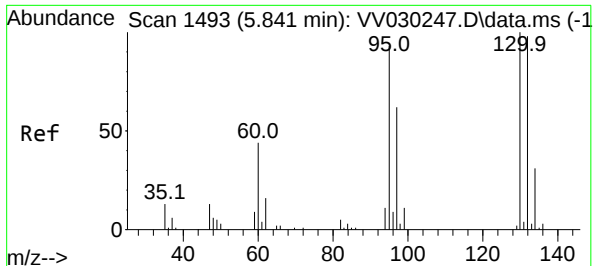
Tgt Ion:117 Resp: 74692
Ion Ratio Lower Upper
117 100
119 95.3 76.1 114.1



#33
Benzene
Concen: 4.471 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Tgt Ion: 78 Resp: 173085

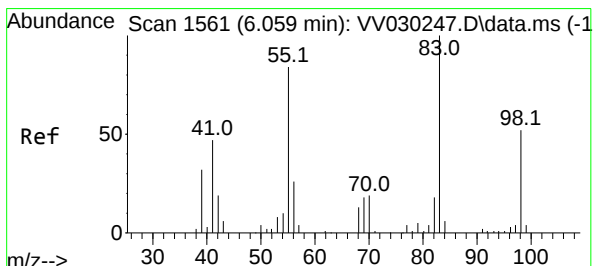
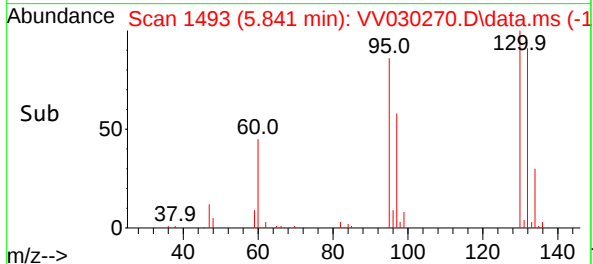
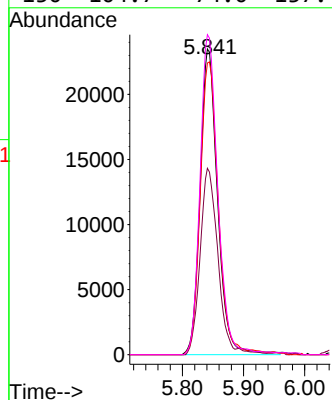
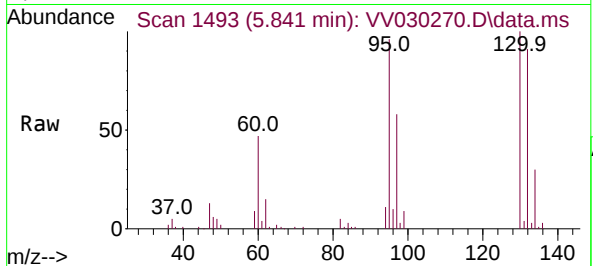




#34
Trichloroethene
Concen: 4.308 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

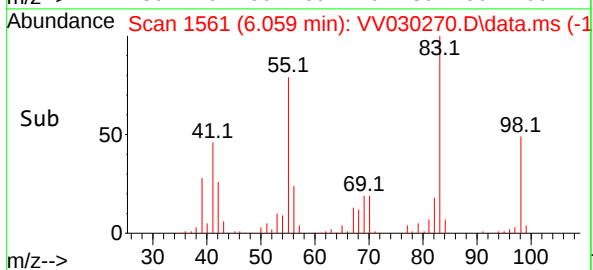
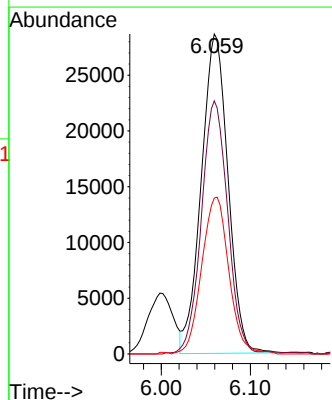
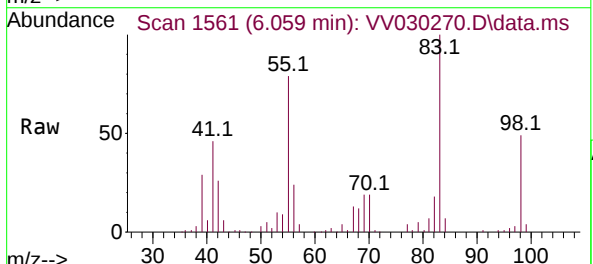
Instrument :
MSVOA_V
ClientSampleId :
VSTD005309

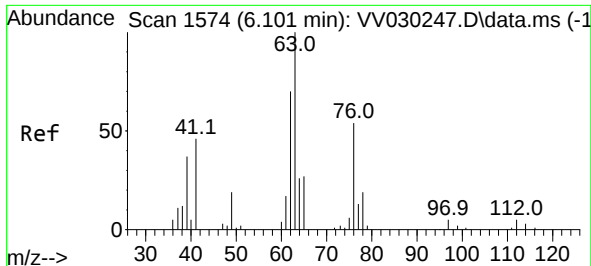
Tgt Ion: 95 Resp: 46728
Ion Ratio Lower Upper
95 100
97 61.0 46.5 86.5
132 95.4 71.7 133.3
130 104.7 74.0 137.4



#35
Methylcyclohexane
Concen: 3.639 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Tgt Ion: 83 Resp: 59741
Ion Ratio Lower Upper
83 100
55 78.0 57.6 86.4
98 50.0 38.8 58.2





#37

1,2-Dichloropropane

Concen: 4.430 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

Instrument :

MSVOA_V

ClientSampleId :

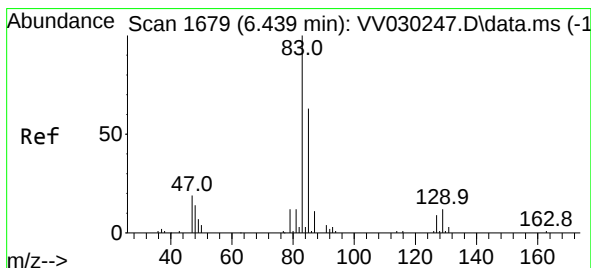
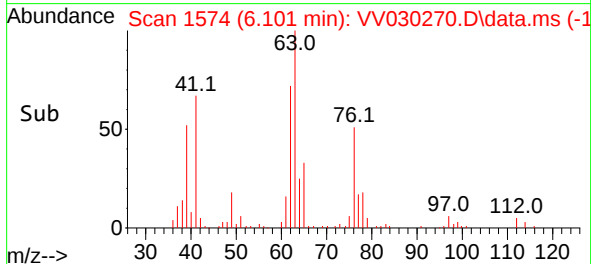
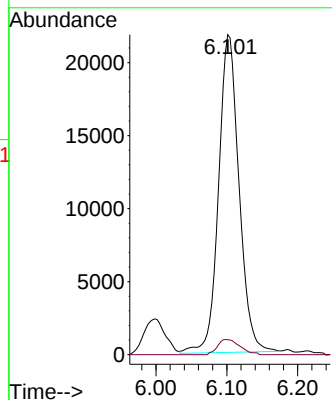
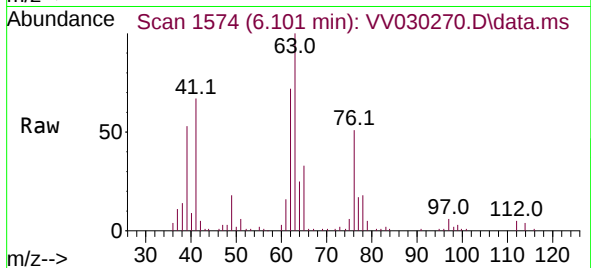
VSTD005309

Tgt Ion: 63 Resp: 43629

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.6



#38

Bromodichloromethane

Concen: 5.026 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

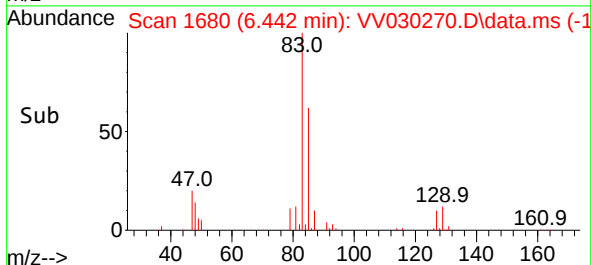
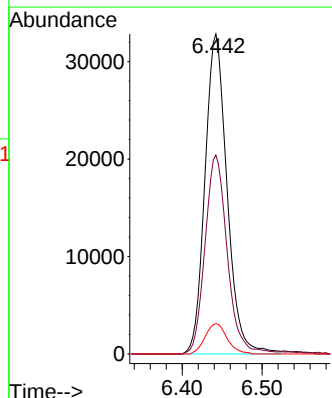
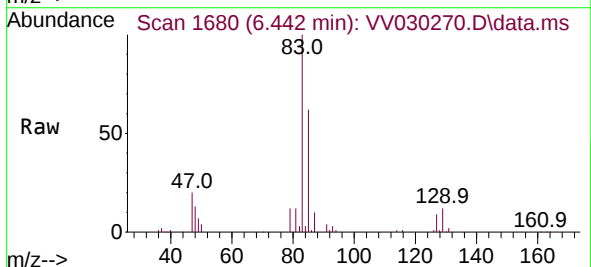
Tgt Ion: 83 Resp: 63191

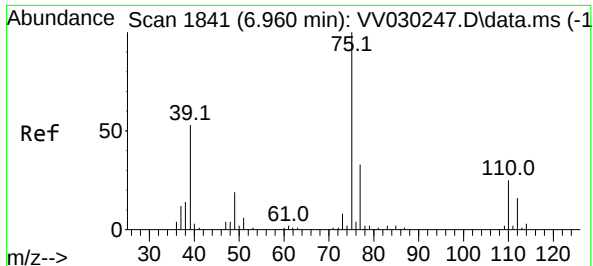
Ion Ratio Lower Upper

83 100

85 62.1 44.3 82.3

127 9.5 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.315 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

Instrument :

MSVOA_V

ClientSampleId :

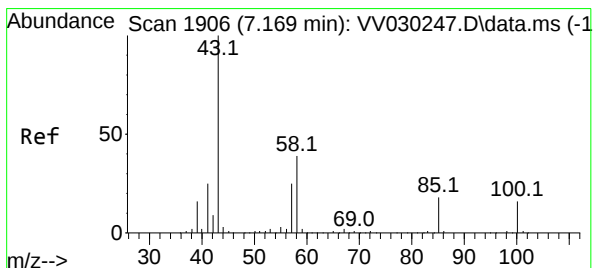
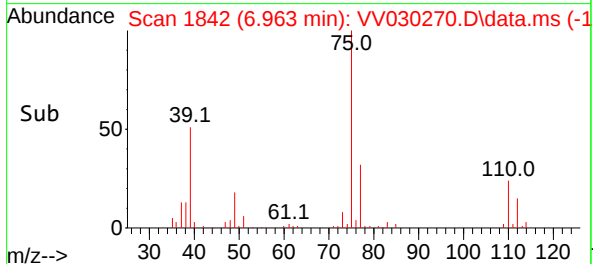
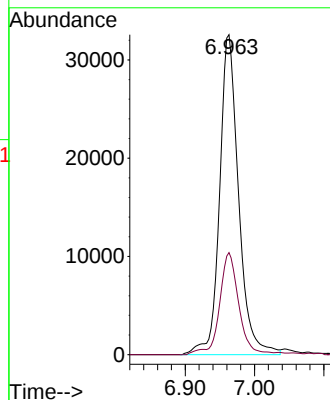
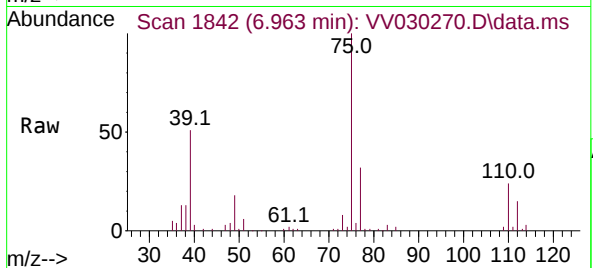
VSTD005309

Tgt Ion: 75 Resp: 62217

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 61.327 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.003 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

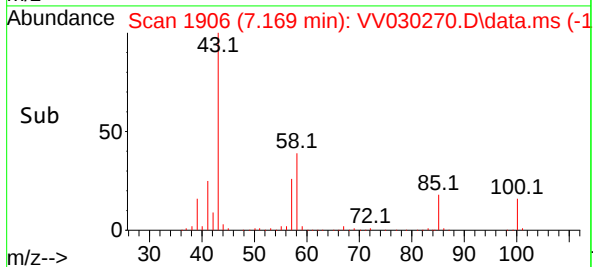
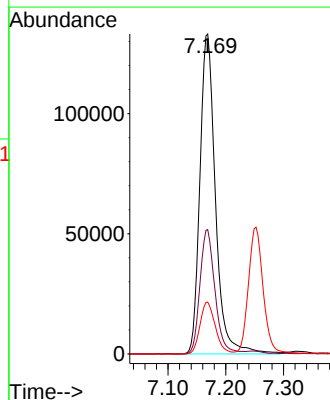
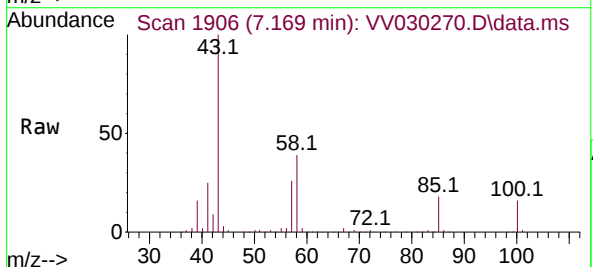
Tgt Ion: 43 Resp: 249239

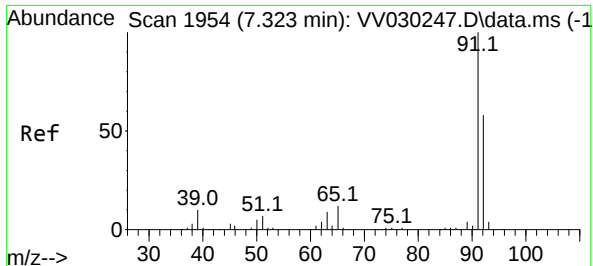
Ion Ratio Lower Upper

43 100

58 37.6 35.3 52.9

100 16.0 14.7 22.1





#42

Toluene

Concen: 4.676 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

Instrument :

MSVOA_V

ClientSampleId :

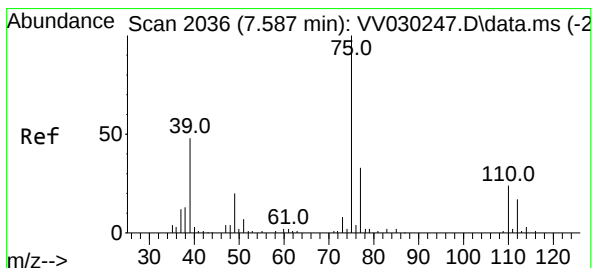
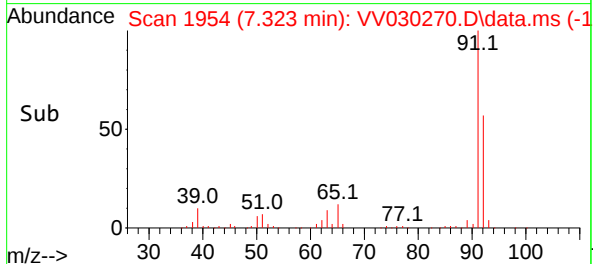
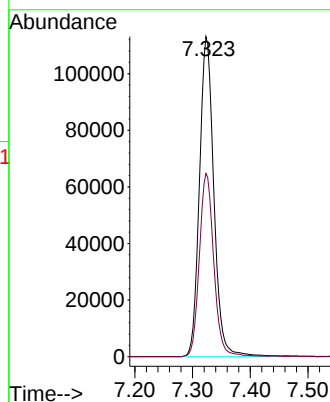
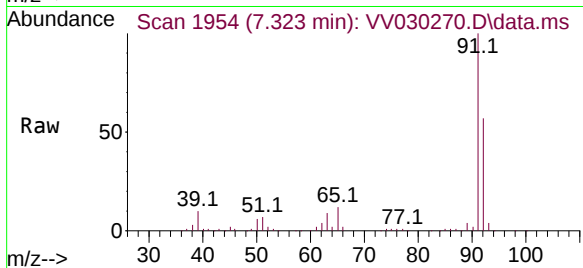
VSTD005309

Tgt Ion: 91 Resp: 196052

Ion Ratio Lower Upper

91 100

92 57.3 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.833 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV030270.D

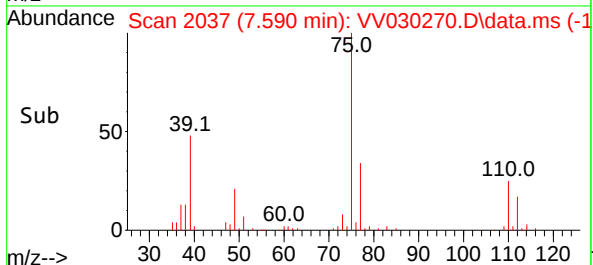
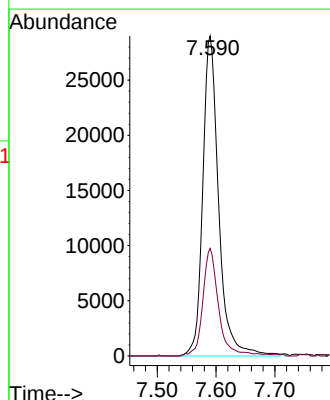
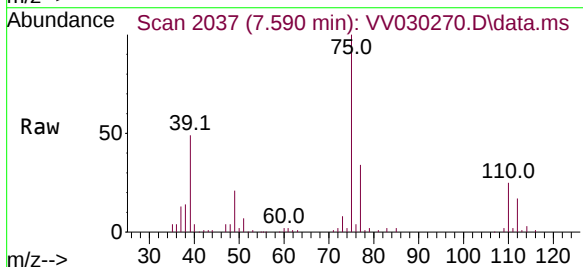
Acq: 20 Mar 2023 20:23

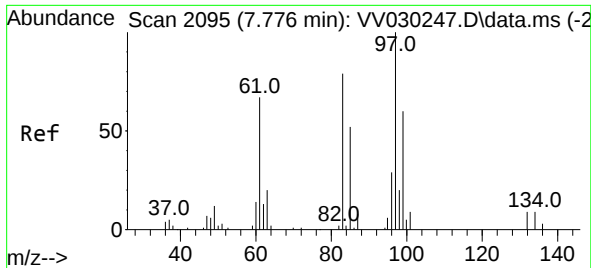
Tgt Ion: 75 Resp: 54397

Ion Ratio Lower Upper

75 100

77 33.6 22.1 41.1



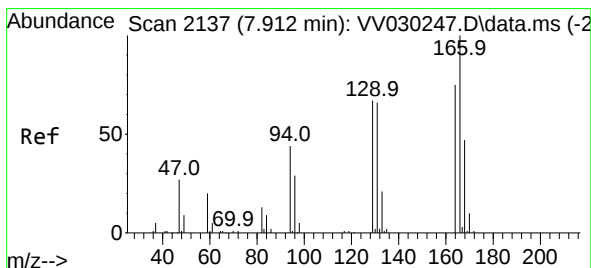
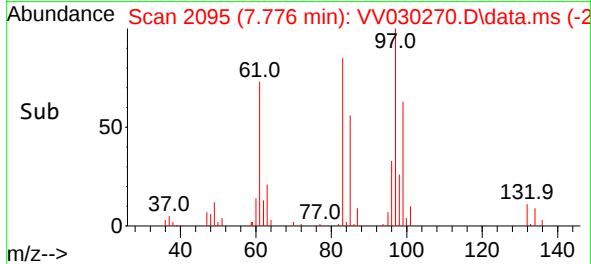
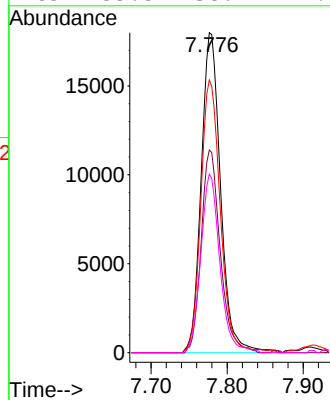
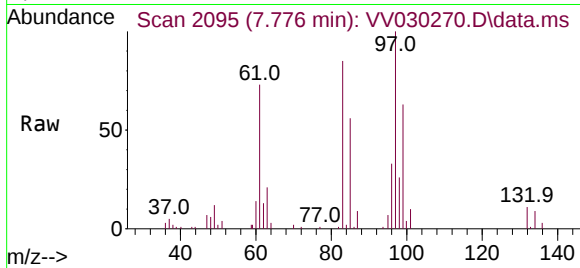


#45
1,1,2-Trichloroethane
Concen: 4.531 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD005309

Tgt Ion: 97 Resp: 31934

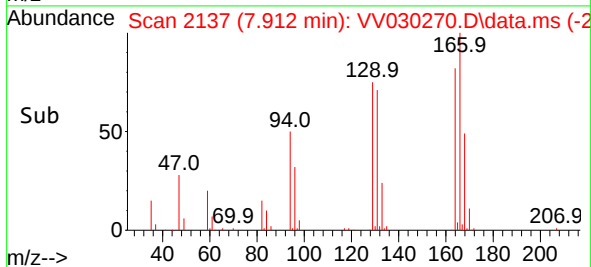
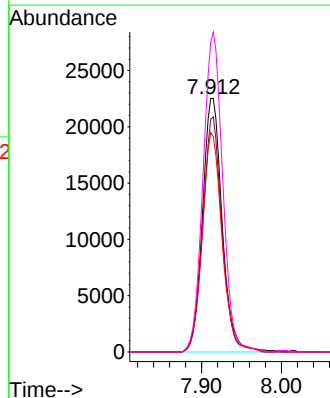
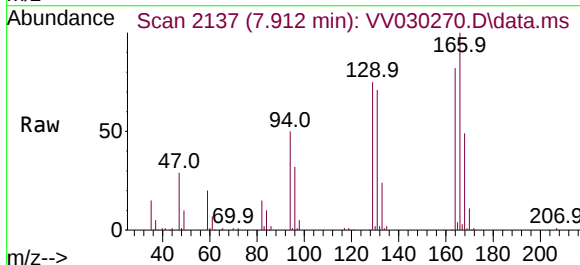
Ion	Ratio	Lower	Upper
97	100		
99	63.4	42.6	79.2
83	85.2	57.7	107.3
85	55.8	38.9	72.2

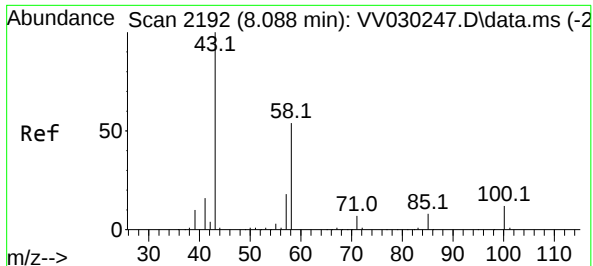


#47
Tetrachloroethene
Concen: 4.139 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Tgt Ion: 164 Resp: 38541

Ion	Ratio	Lower	Upper
164	100		
129	91.9	63.6	118.2
131	86.5	61.7	114.7
166	122.3	90.8	168.6





#48

2-Hexanone

Concen: 61.643 ug/L

RT: 8.085 min Scan# 2192

Delta R.T. 0.000 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD005309

Tgt Ion: 43 Resp: 179351

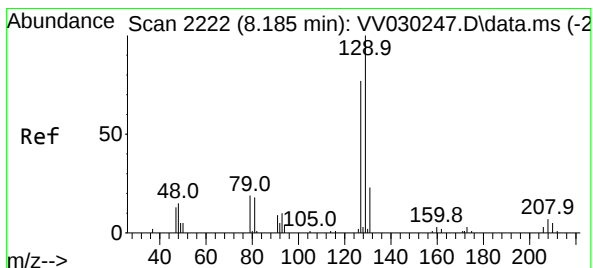
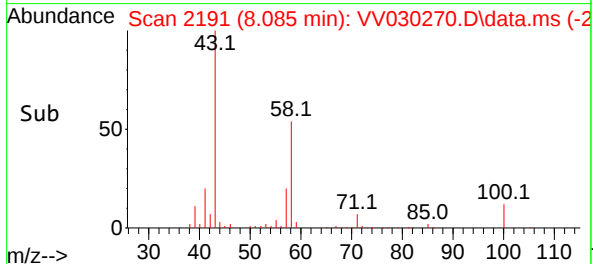
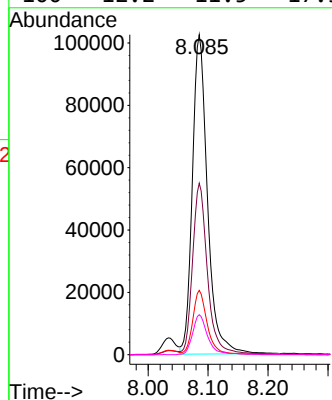
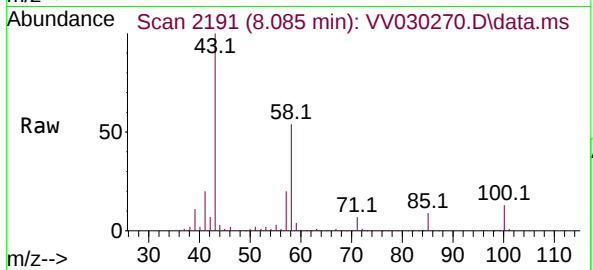
Ion Ratio Lower Upper

43 100

58 52.9 49.8 74.8

57 19.0 16.6 24.8

100 12.2 11.5 17.3



#49

Dibromochloromethane

Concen: 4.759 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.000 min

Lab File: VV030270.D

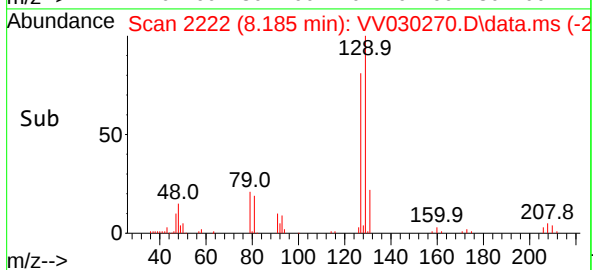
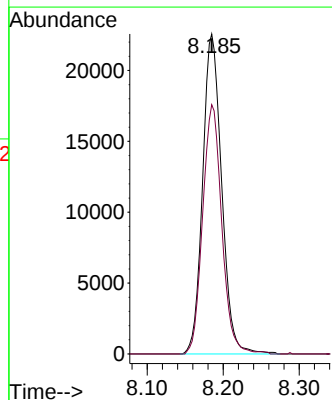
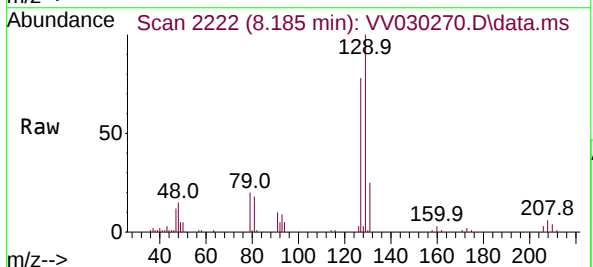
Acq: 20 Mar 2023 20:23

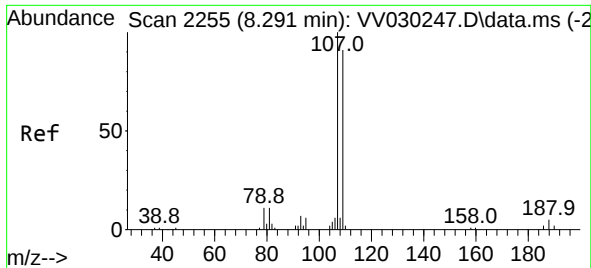
Tgt Ion: 129 Resp: 39244

Ion Ratio Lower Upper

129 100

127 77.9 54.7 101.5

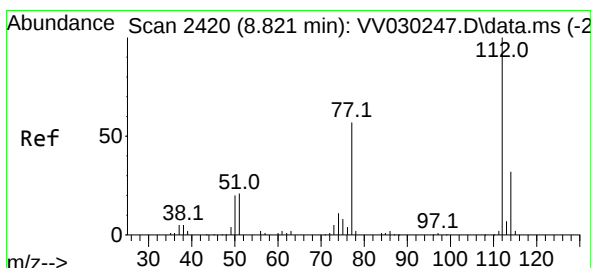
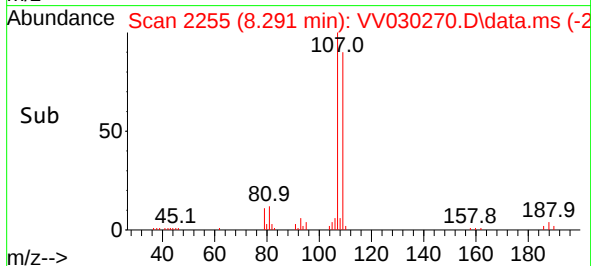
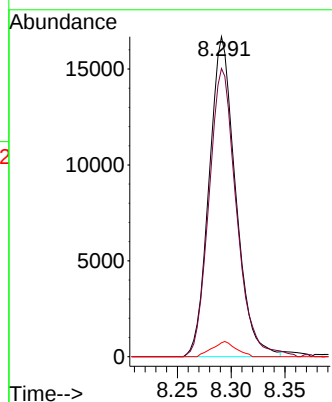
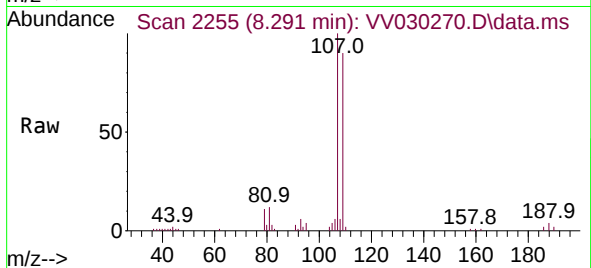




#50
1,2-Dibromoethane
Concen: 4.347 ug/L
RT: 8.291 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

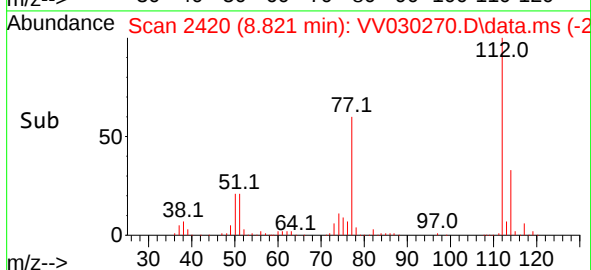
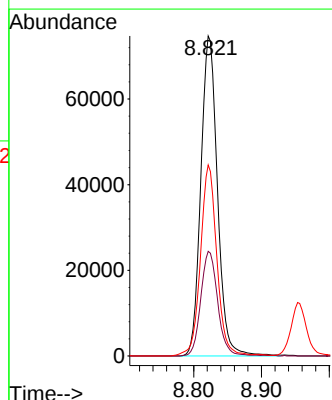
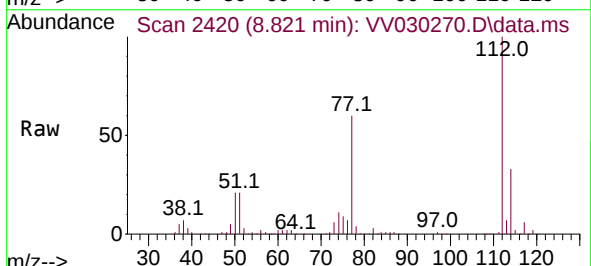
Instrument :
MSVOA_V
ClientSampleId :
VSTD005309

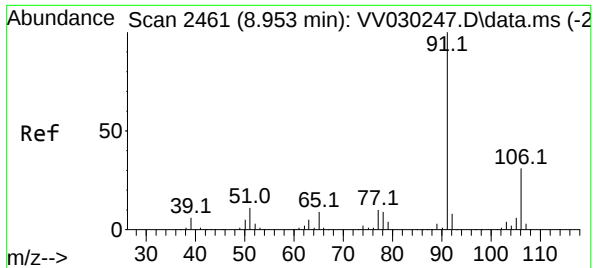
Tgt Ion:	107	Resp:	28584
Ion	Ratio	Lower	Upper
107	100		
109	90.1	63.3	117.7
188	4.3	3.0	4.6



#51
Chlorobenzene
Concen: 4.503 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Tgt Ion:	112	Resp:	127347
Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.5	41.7
77	59.7	45.3	67.9

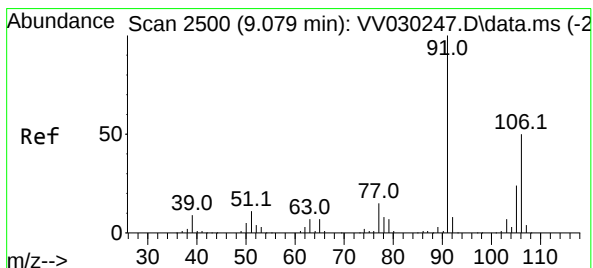
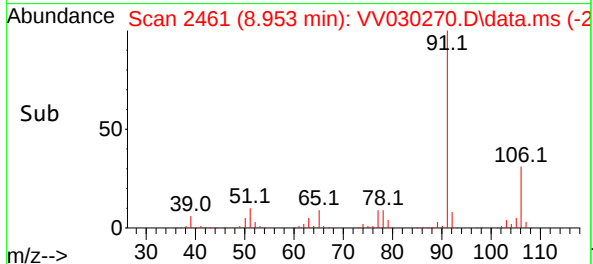
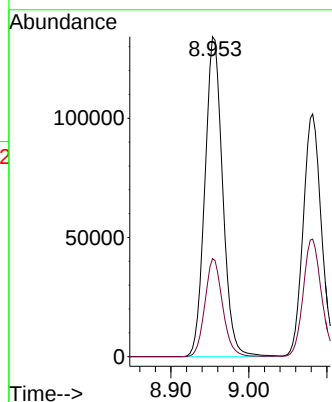
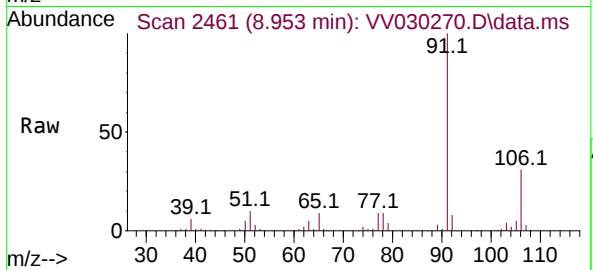




#52
Ethylbenzene
Concen: 4.671 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

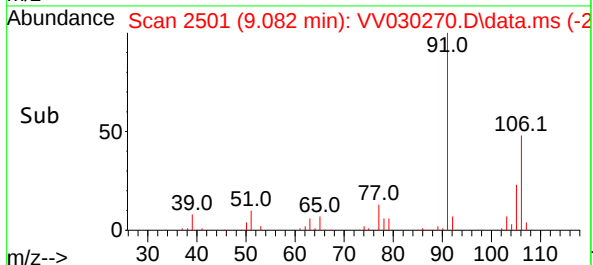
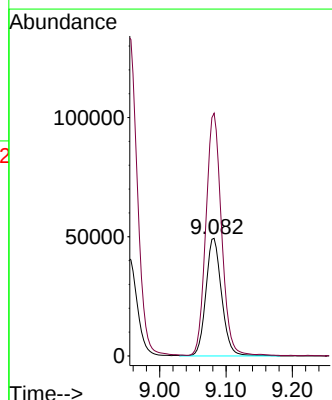
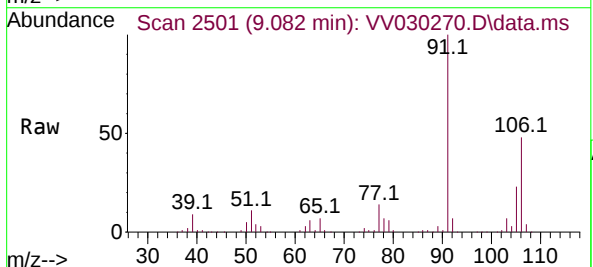
Instrument :
MSVOA_V
ClientSampleId :
VSTD005309

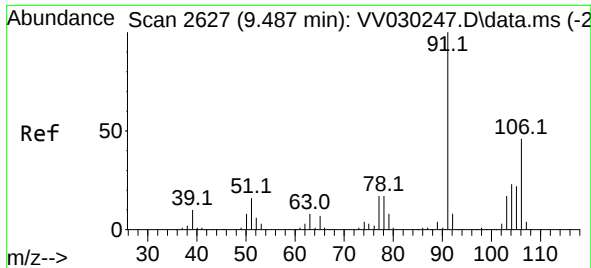
Tgt Ion: 91 Resp: 213165
Ion Ratio Lower Upper
91 100
106 30.7 22.0 40.8



#53
m,p-Xylene
Concen: 4.659 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Tgt Ion: 106 Resp: 81712
Ion Ratio Lower Upper
106 100
91 206.5 142.5 264.7

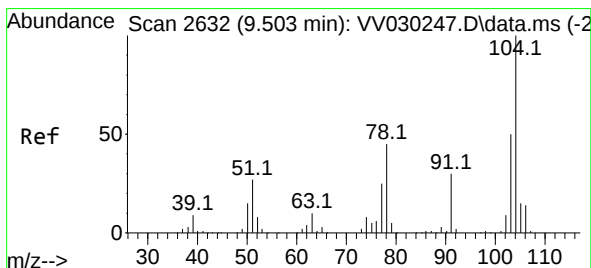
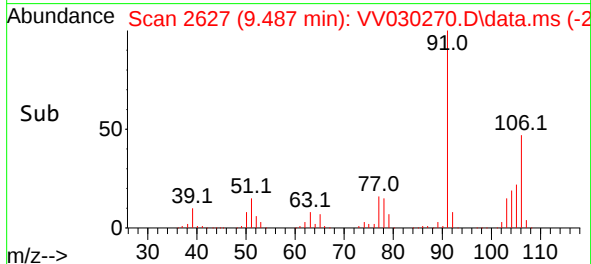
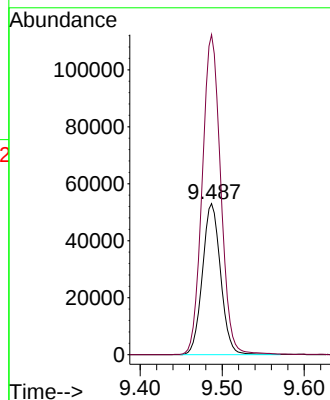
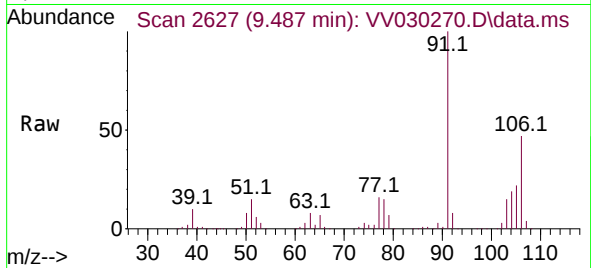




#54
o-Xylene
Concen: 4.867 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

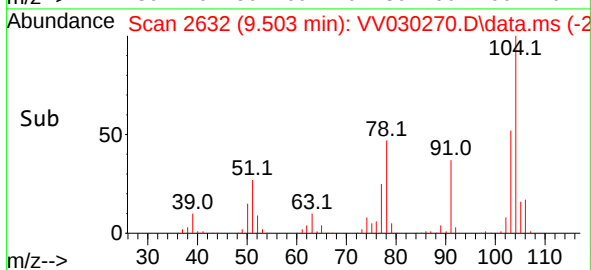
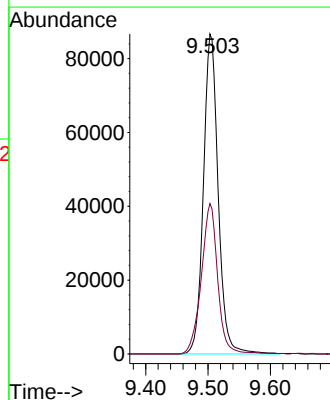
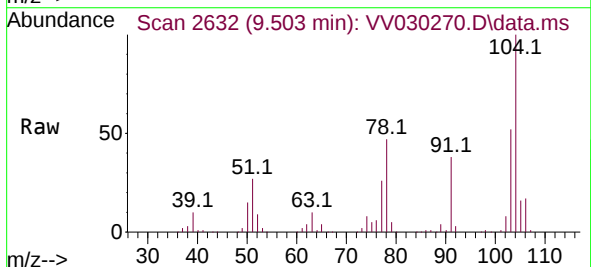
Instrument :
MSVOA_V
ClientSampleId :
VSTD005309

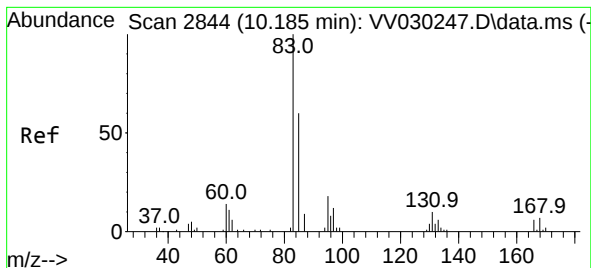
Tgt Ion:106 Resp: 81527
Ion Ratio Lower Upper
106 100
91 211.9 148.8 276.4



#55
Styrene
Concen: 5.127 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Tgt Ion:104 Resp: 142820
Ion Ratio Lower Upper
104 100
78 47.0 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 4.539 ug/L

RT: 10.188 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD005309

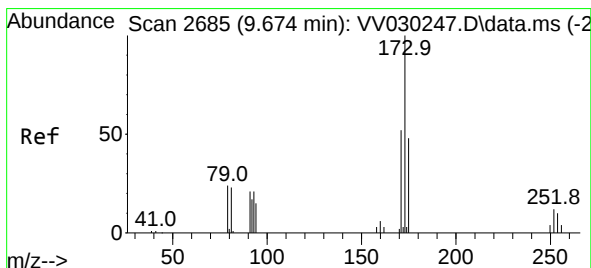
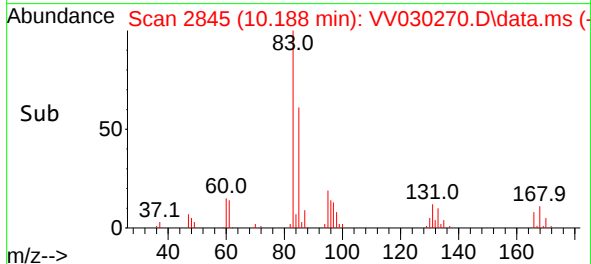
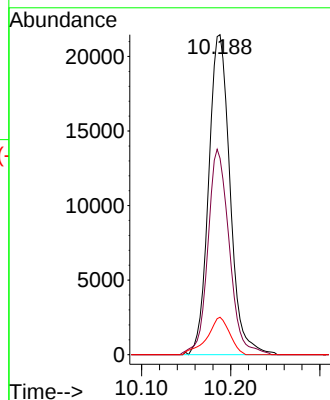
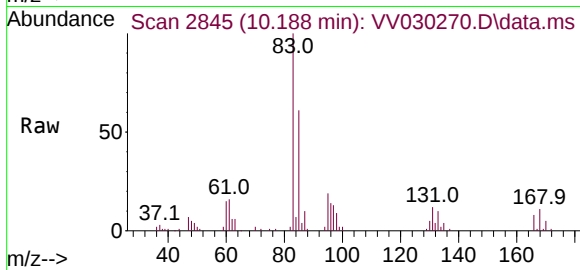
Tgt Ion: 83 Resp: 35779

Ion Ratio Lower Upper

83 100

85 61.3 45.0 83.6

131 11.7 8.2 12.4



#59

Bromoform

Concen: 5.092 ug/L

RT: 9.674 min Scan# 2685

Delta R.T. 0.000 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

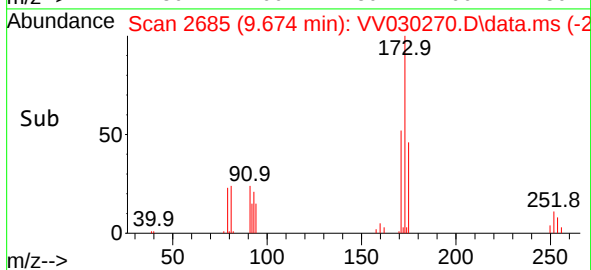
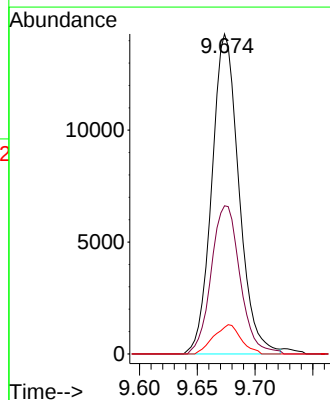
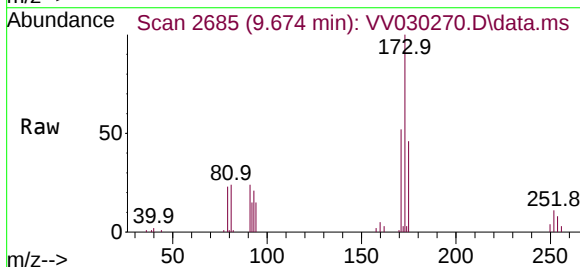
Tgt Ion: 173 Resp: 23324

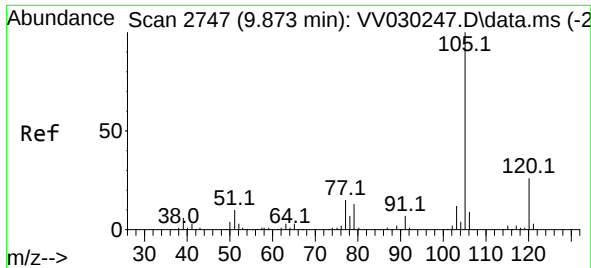
Ion Ratio Lower Upper

173 100

175 49.3 38.5 57.7

254 9.2 8.6 13.0

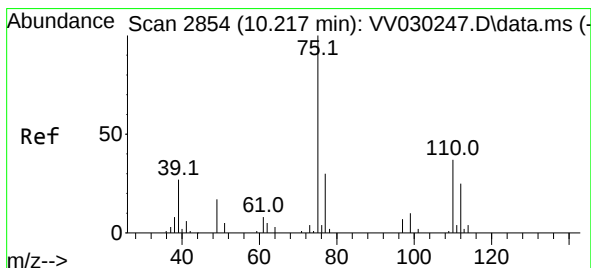
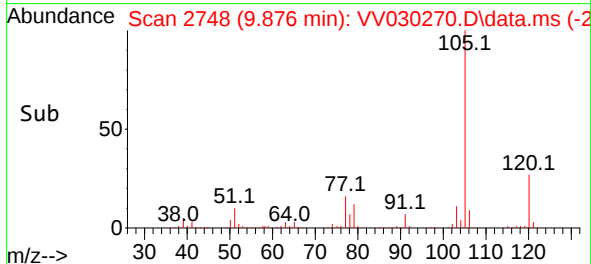
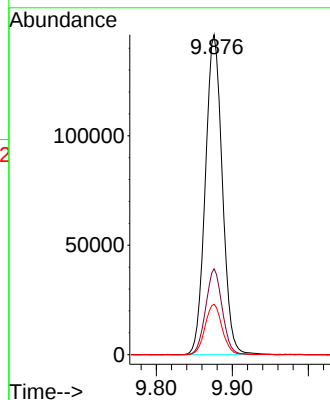
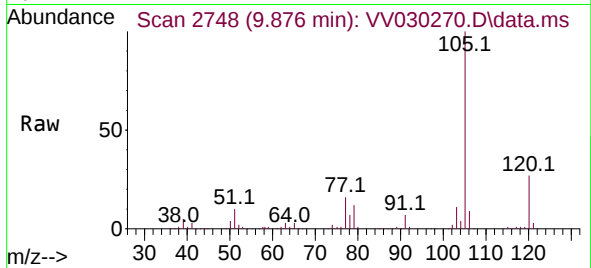




#60
Isopropylbenzene
Concen: 5.157 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

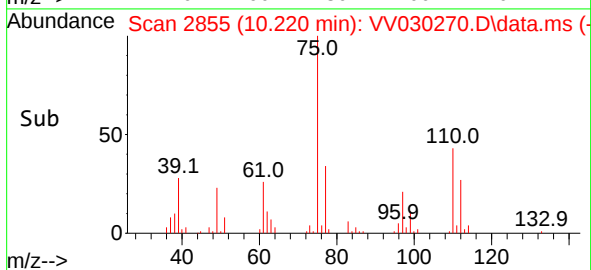
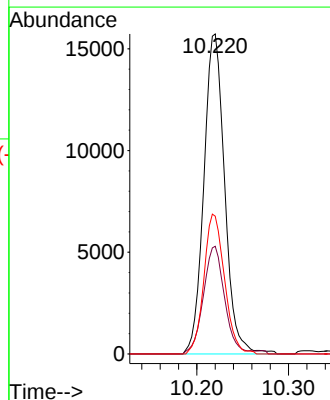
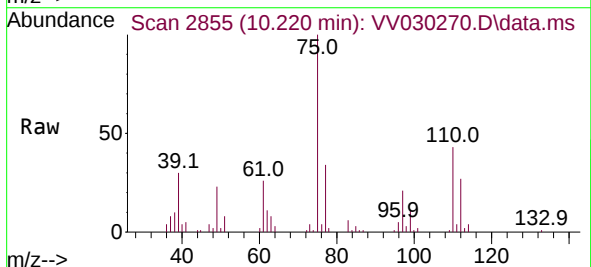
Instrument :
MSVOA_V
ClientSampleId :
VSTD005309

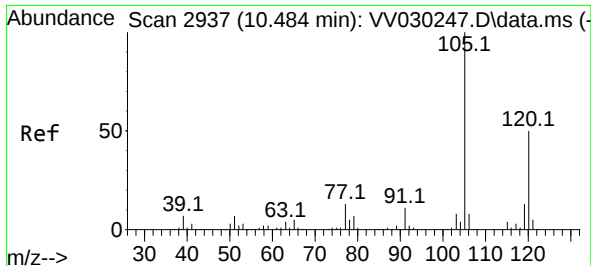
Tgt Ion:105 Resp: 226766
Ion Ratio Lower Upper
105 100
120 26.2 21.4 32.0
77 15.8 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.860 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Tgt Ion: 75 Resp: 24859
Ion Ratio Lower Upper
75 100
77 34.4 26.5 39.7
110 43.2 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.900 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

Instrument :

MSVOA_V

ClientSampleId :

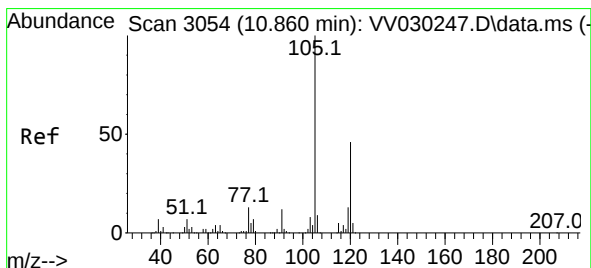
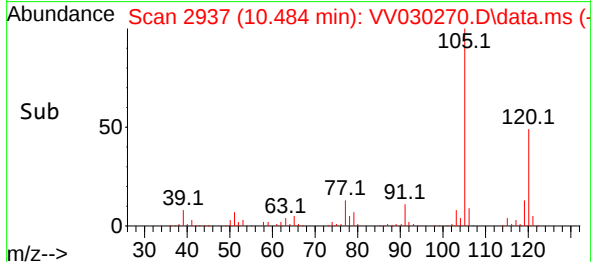
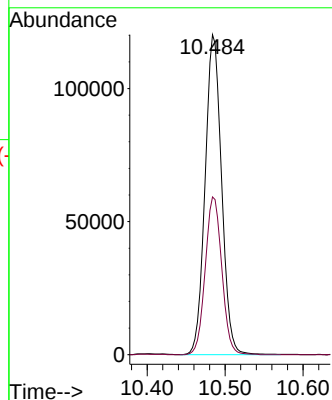
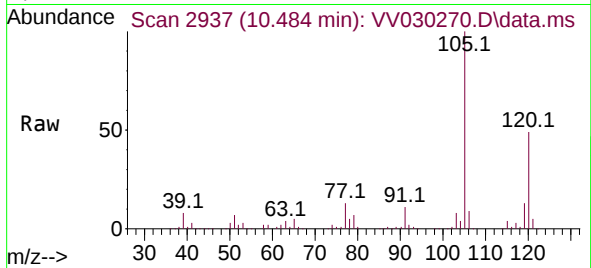
VSTD005309

Tgt Ion:105 Resp: 176989

Ion Ratio Lower Upper

105 100

120 49.4 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.892 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030270.D

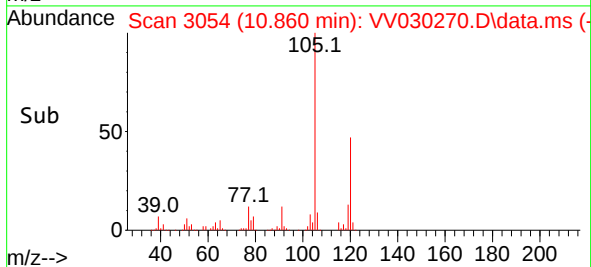
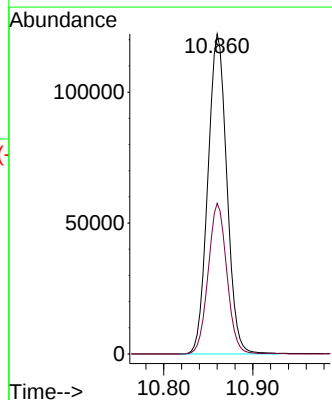
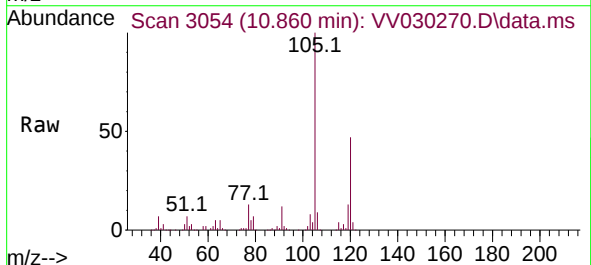
Acq: 20 Mar 2023 20:23

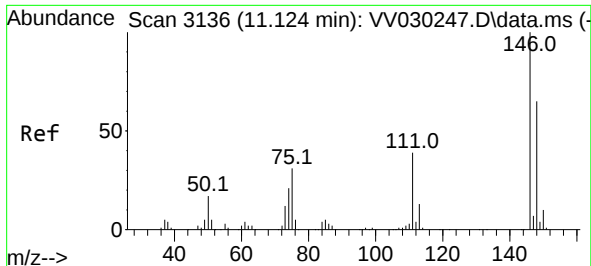
Tgt Ion:105 Resp: 180766

Ion Ratio Lower Upper

105 100

120 46.2 36.2 54.4

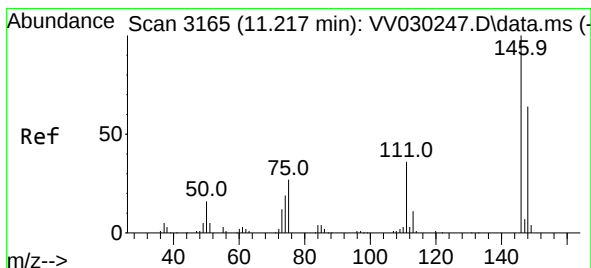
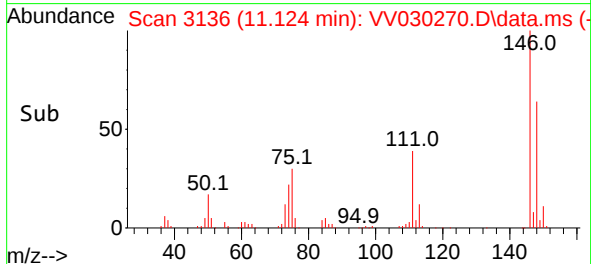
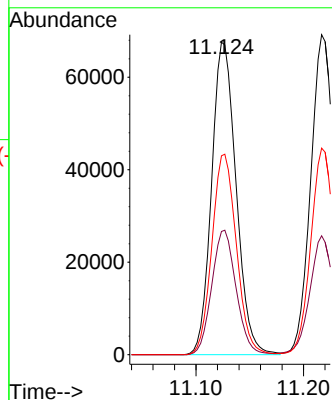
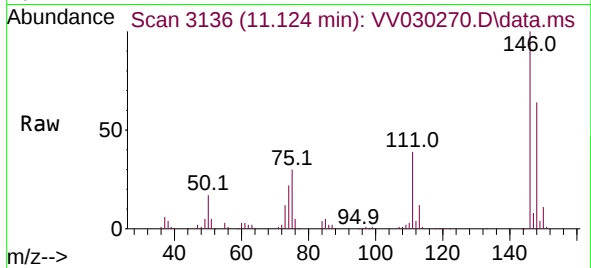




#64
1,3-Dichlorobenzene
Concen: 4.671 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

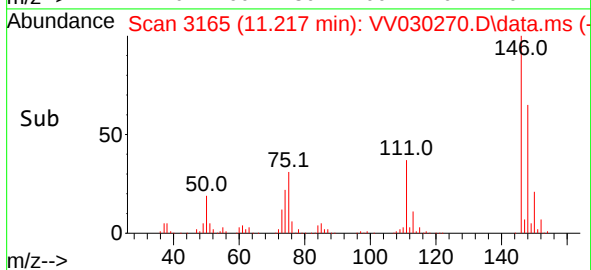
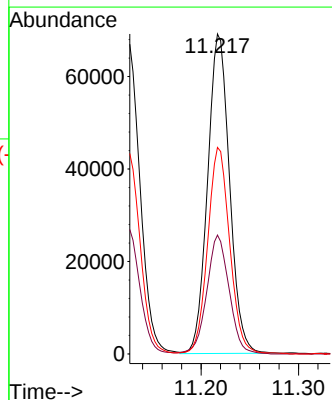
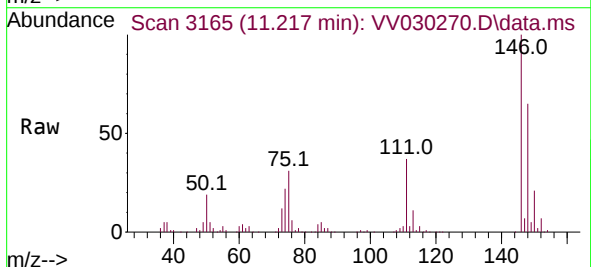
Instrument :
MSVOA_V
ClientSampleId :
VSTD005309

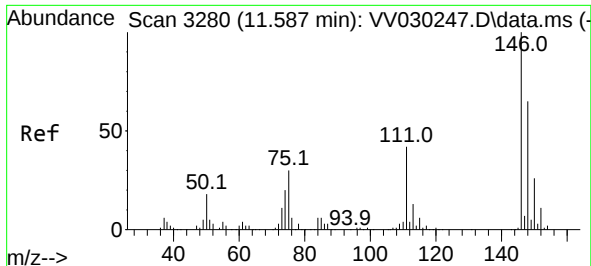
Tgt Ion:146 Resp: 106962
Ion Ratio Lower Upper
146 100
111 39.4 27.7 51.5
148 63.6 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.681 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Tgt Ion:146 Resp: 108132
Ion Ratio Lower Upper
146 100
111 37.2 27.4 51.0
148 64.6 44.1 81.9

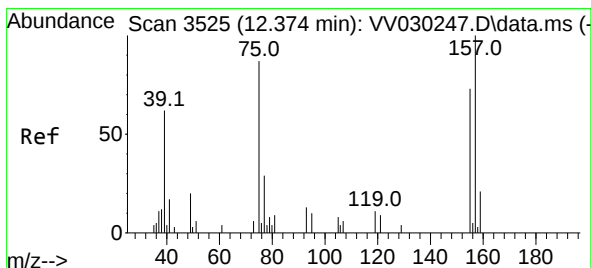
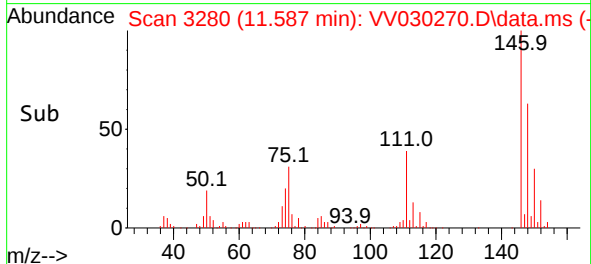
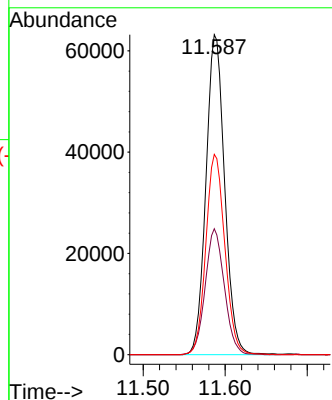
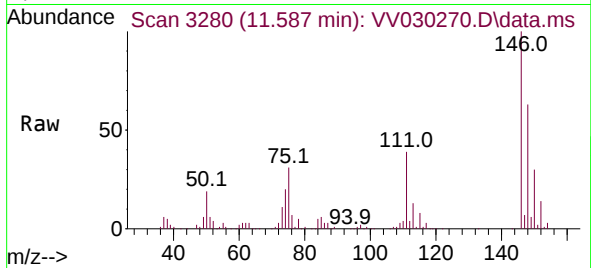




#67
1,2-Dichlorobenzene
Concen: 4.949 ug/L
RT: 11.587 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

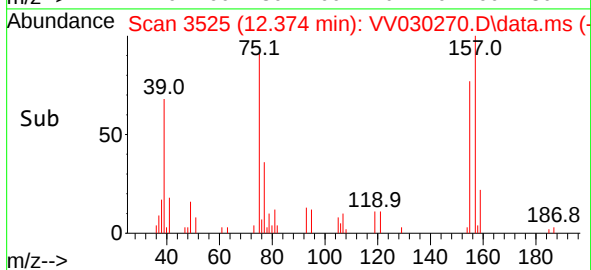
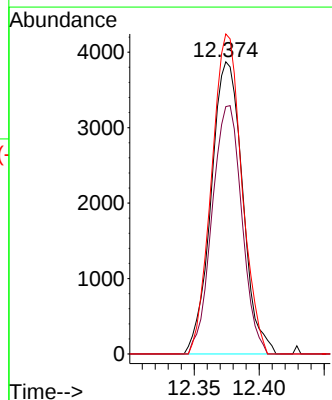
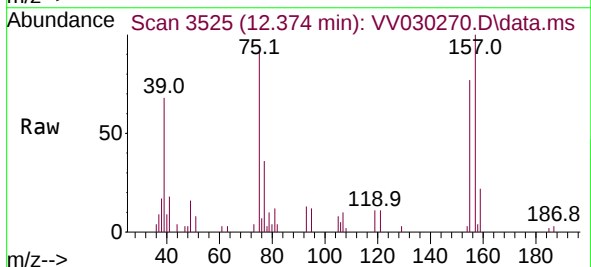
Instrument :
MSVOA_V
ClientSampleId :
VSTD005309

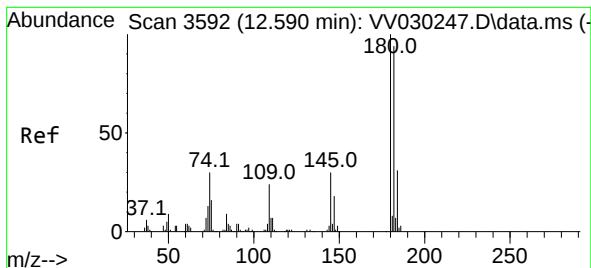
Tgt Ion:146 Resp: 100055
Ion Ratio Lower Upper
146 100
111 39.3 33.5 50.3
148 62.6 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 5.701 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Tgt Ion: 75 Resp: 6513
Ion Ratio Lower Upper
75 100
155 84.6 79.1 118.7
157 109.5 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 4.444 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. 0.000 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD005309

Tgt Ion:180 Resp: 83652

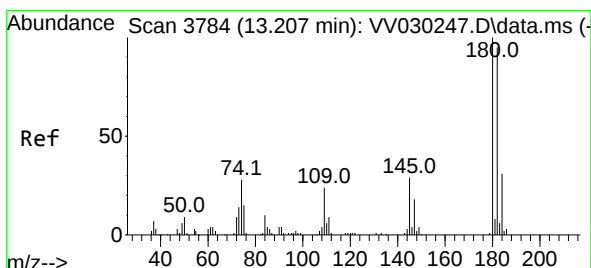
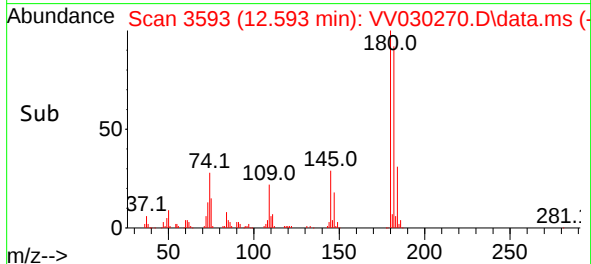
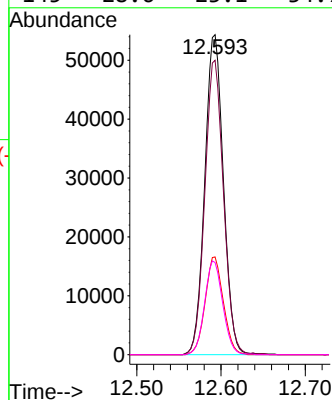
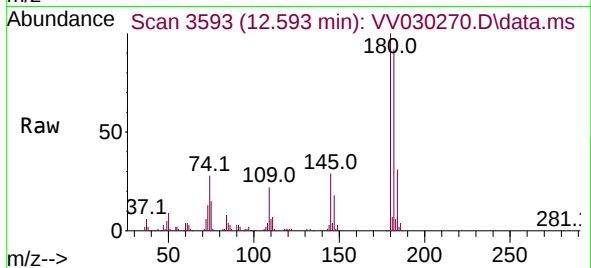
Ion Ratio Lower Upper

180 100

182 92.1 76.5 114.7

184 29.9 24.3 36.5

145 28.6 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 4.358 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030270.D

Acq: 20 Mar 2023 20:23

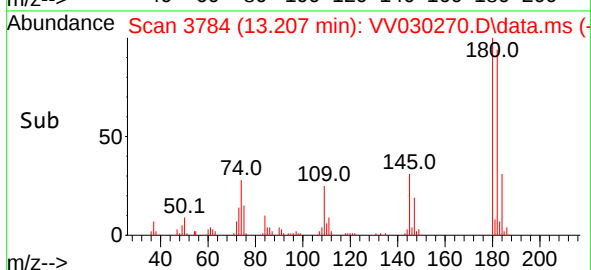
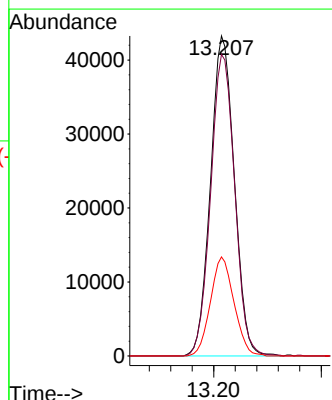
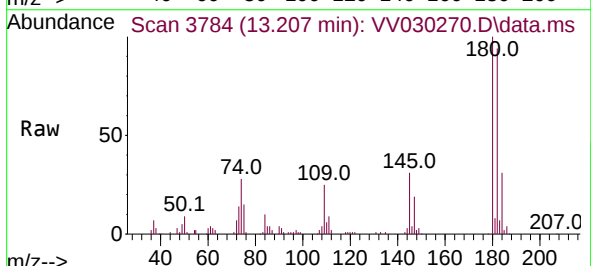
Tgt Ion:180 Resp: 66454

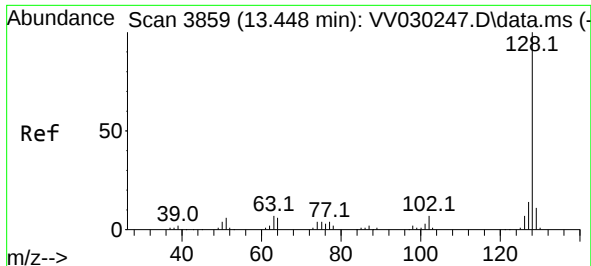
Ion Ratio Lower Upper

180 100

182 95.0 77.3 115.9

145 30.6 23.1 34.7

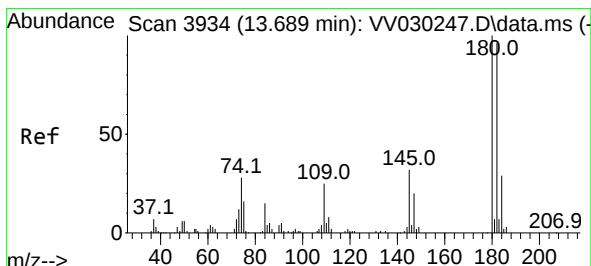
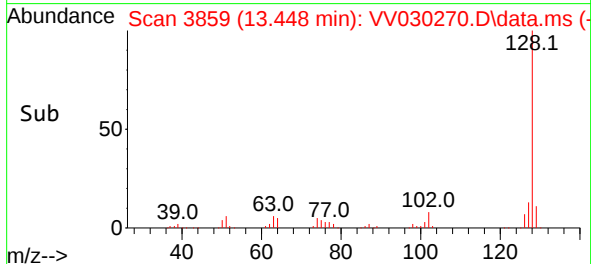
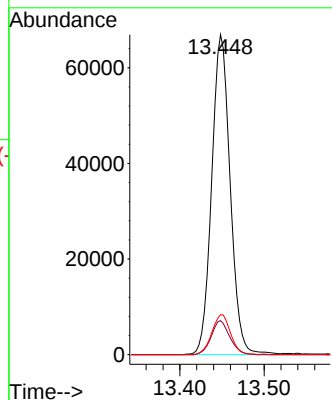
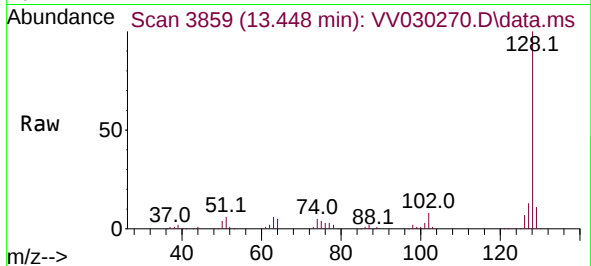




#71
Naphthalene
Concen: 5.121 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD005309

Tgt Ion:128 Resp: 102041
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 12.7 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 4.640 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030270.D
Acq: 20 Mar 2023 20:23

Tgt Ion:180 Resp: 58249
Ion Ratio Lower Upper
180 100
182 97.0 76.2 114.2
145 32.0 25.1 37.7

