

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041323\
 Data File : VW030533.D
 Acq On : 13 Apr 2023 09:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005332

Quant Time: Apr 14 05:11:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 13 02:44:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	131713	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	130122	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	74376	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	54543	6.252	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.000%
7) Chloroethane-d5	1.536	69	40812	4.821	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.063	63	107934	5.214	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.200%
20) 2-Butanone-d5	3.841	46	80356	35.639	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.280%
24) Chloroform-d	4.259	84	92988	4.404	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	4.953	65	45433	4.561	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
32) Benzene-d6	4.970	84	169306	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	5.998	67	49115	4.278	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.600%
41) Toluene-d8	7.249	98	165294	4.909	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
43) trans-1,3-Dichloroprop...	7.561	79	18467	4.273	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.400%
46) 2-Hexanone-d5	8.037	63	69077	39.773	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.540%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	37440	4.138	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.800%
66) 1,2-Dichlorobenzene-d4	11.571	152	57290	4.310	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	65117	3.889	ug/L	97
3) Chloromethane	1.214	50	80452	3.808	ug/L	100
5) Vinyl chloride	1.282	62	64639	4.196	ug/L	98
6) Bromomethane	1.491	94	21758	4.953	ug/L	95
8) Chloroethane	1.552	64	38951	4.414	ug/L	95
9) Trichlorofluoromethane	1.716	101	107572	4.791	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	54739	4.417	ug/L	99
12) 1,1-Dichloroethene	2.069	96	50868	4.622	ug/L	91
13) Acetone	2.172	43	72377	33.568	ug/L	88
14) Carbon disulfide	2.243	76	148934	4.108	ug/L	98
15) Methyl Acetate	2.394	43	16159	4.194	ug/L	98
16) Methylene chloride	2.452	84	55533	4.266	ug/L	99
17) Methyl tert-butyl Ether	2.712	73	102583	4.401	ug/L	100
18) trans-1,2-Dichloroethene	2.700	96	49483	4.268	ug/L	94
19) 1,1-Dichloroethane	3.118	63	98875	4.399	ug/L	97
21) 2-Butanone	3.918	43	97277	35.846	ug/L	98
22) cis-1,2-Dichloroethene	3.825	96	50589	4.348	ug/L	95
23) Bromochloromethane	4.156	128	24402	4.490	ug/L	94
25) Chloroform	4.285	83	106379	4.684	ug/L	97

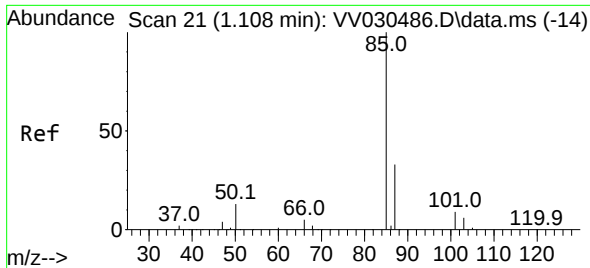
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 13 02:44:31 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	62100	4.522	ug/L #	95
29) 1,1,1-Trichloroethane	4.519	97	96885	4.632	ug/L	99
30) Cyclohexane	4.590	56	76326	4.006	ug/L	96
31) Carbon tetrachloride	4.744	117	86987	4.584	ug/L	98
33) Benzene	5.018	78	212752	4.603	ug/L	100
34) Trichloroethene	5.841	95	53241	4.271	ug/L	97
35) Methylcyclohexane	6.056	83	79467	4.062	ug/L	99
37) 1,2-Dichloropropane	6.101	63	52825	4.452	ug/L	100
38) Bromodichloromethane	6.442	83	71365	4.593	ug/L	100
39) cis-1,3-Dichloropropene	6.963	75	67268	4.032	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	282929	45.252	ug/L	100
42) Toluene	7.323	91	234243	4.759	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	57007	4.016	ug/L	98
45) 1,1,2-Trichloroethane	7.777	97	37502	4.489	ug/L	95
47) Tetrachloroethene	7.912	164	48272	4.388	ug/L	98
48) 2-Hexanone	8.088	43	202412	43.227	ug/L	98
49) Dibromochloromethane	8.185	129	46558	4.682	ug/L	96
50) 1,2-Dibromoethane	8.291	107	33469	4.403	ug/L	93
51) Chlorobenzene	8.821	112	145100	4.603	ug/L	96
52) Ethylbenzene	8.953	91	242286	4.499	ug/L	98
53) m,p-Xylene	9.082	106	94201	4.569	ug/L	98
54) o-Xylene	9.487	106	90942	4.610	ug/L	99
55) Styrene	9.503	104	158972	4.745	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.185	83	43571	4.394	ug/L	100
59) Bromoform	9.674	173	27202	4.525	ug/L	99
60) Isopropylbenzene	9.876	105	248021	4.522	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	29451	4.429	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	196879	4.399	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	204287	4.479	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	127220	4.651	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	128673	4.670	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	114274	4.636	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	6829	4.129	ug/L	92
69) 1,3,5-Trichlorobenzene	12.590	180	92975	4.415	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	70208	4.318	ug/L	98
71) Naphthalene	13.448	128	93131	4.010	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	60357	4.285	ug/L	99

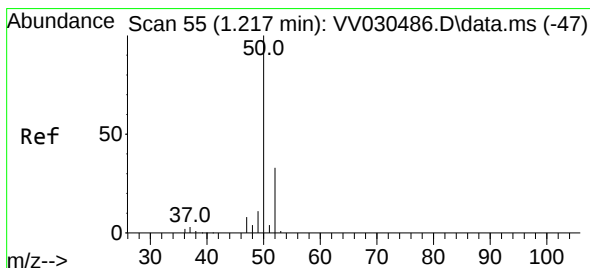
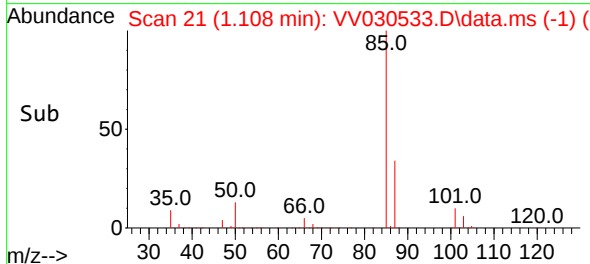
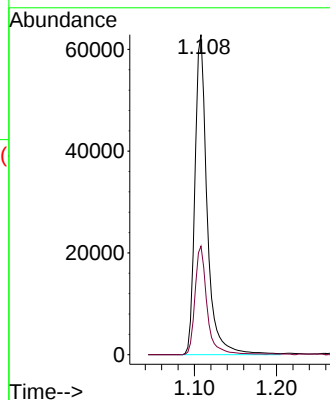
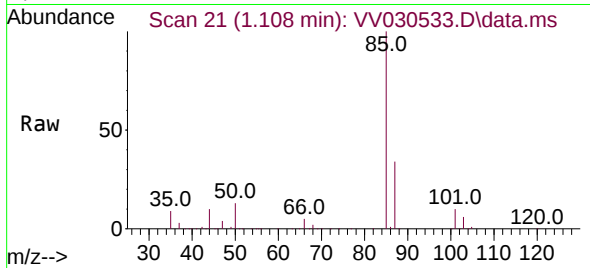
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 3.889 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030533.D
 Acq: 13 Apr 2023 09:51

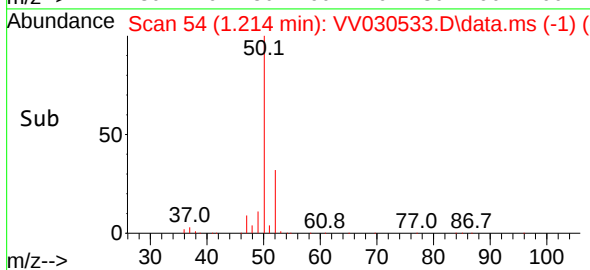
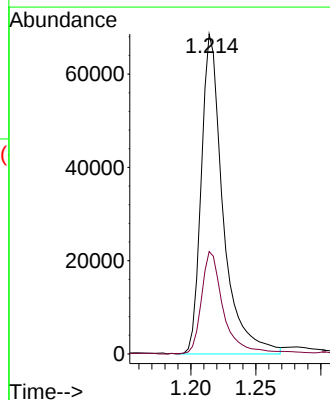
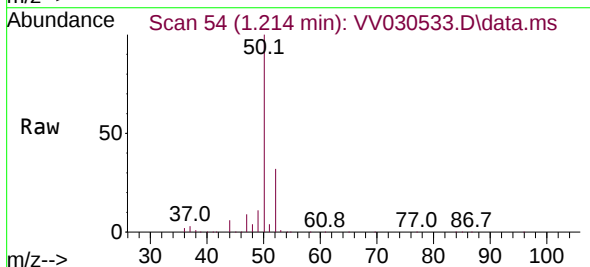
Instrument :
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 ClientSampleId :
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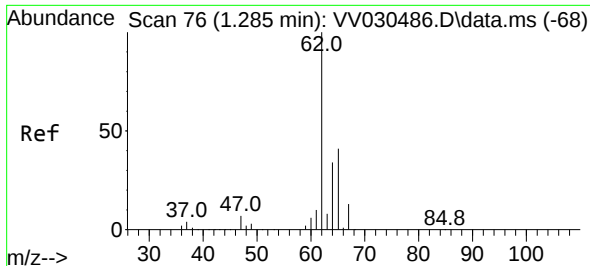
Tgt Ion: 85 Resp: 65117
 Ion Ratio Lower Upper
 85 100
 87 33.4 25.6 38.4



#3
 Chloromethane
 Concen: 3.808 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV030533.D
 Acq: 13 Apr 2023 09:51

Tgt Ion: 50 Resp: 80452
 Ion Ratio Lower Upper
 50 100
 52 32.0 22.3 41.5

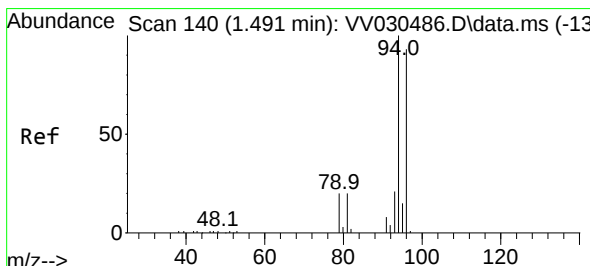
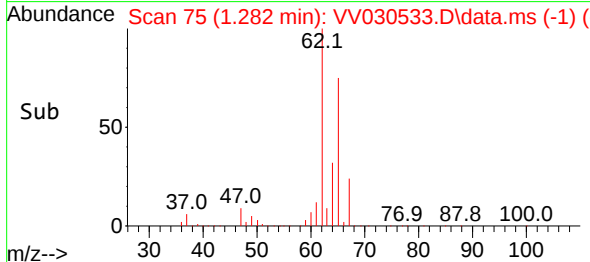
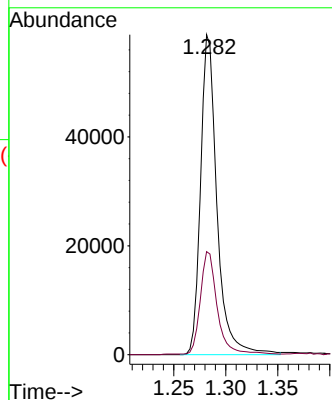
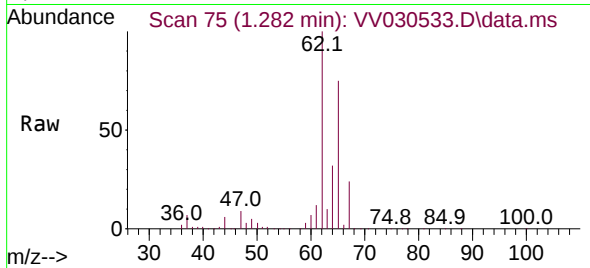




#5
 Vinyl chloride
 Concen: 4.196 ug/L
 RT: 1.282 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV030533.D
 Acq: 13 Apr 2023 09:51

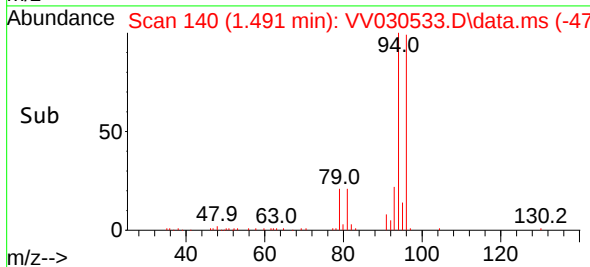
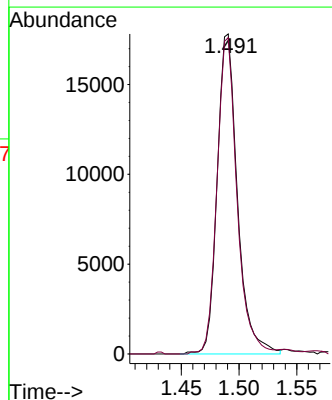
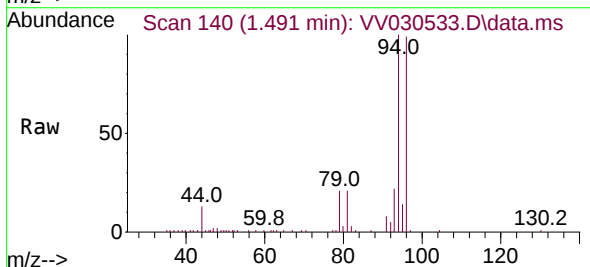
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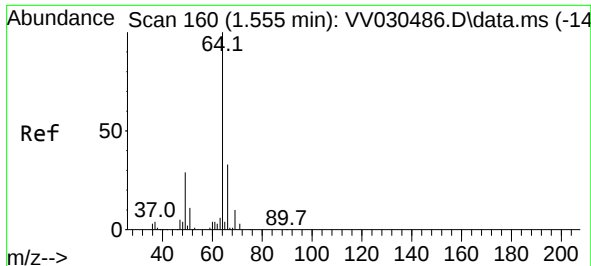
Tgt Ion: 62 Resp: 64639
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.2 43.2



#6
 Bromomethane
 Concen: 4.953 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV030533.D
 Acq: 13 Apr 2023 09:51

Tgt Ion: 94 Resp: 21758
 Ion Ratio Lower Upper
 94 100
 96 98.8 66.1 122.7

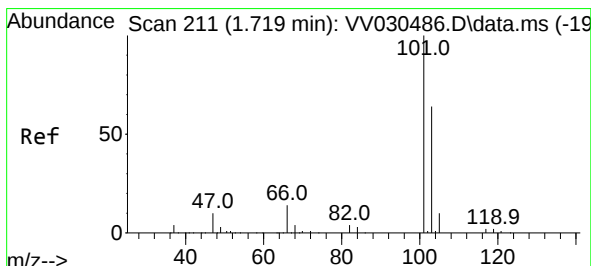
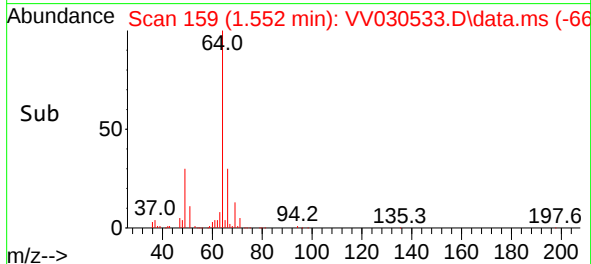
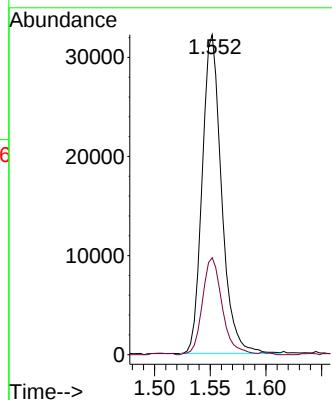
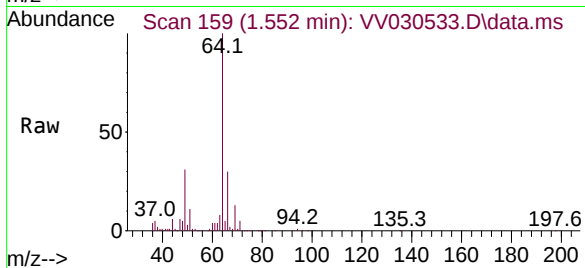




#8
Chloroethane
Concen: 4.414 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

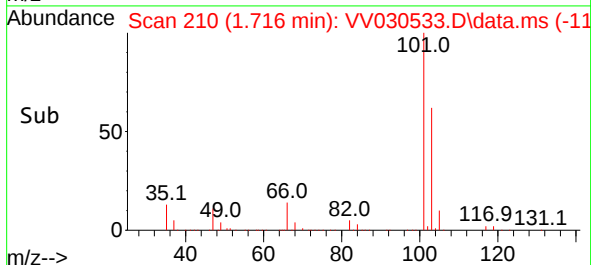
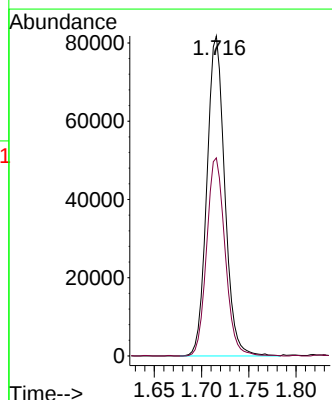
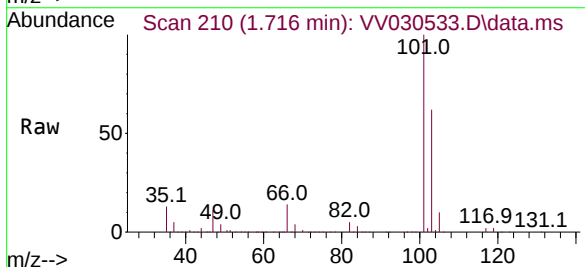
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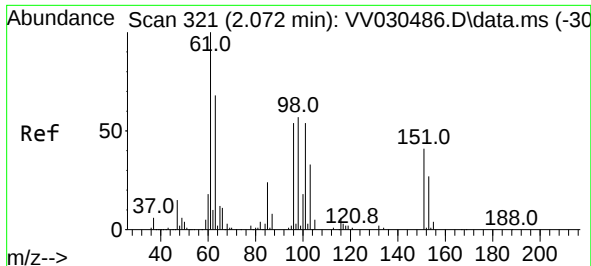
Tgt Ion: 64 Resp: 38951
Ion Ratio Lower Upper
64 100
66 30.3 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.791 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

Tgt Ion:101 Resp: 107572
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.6

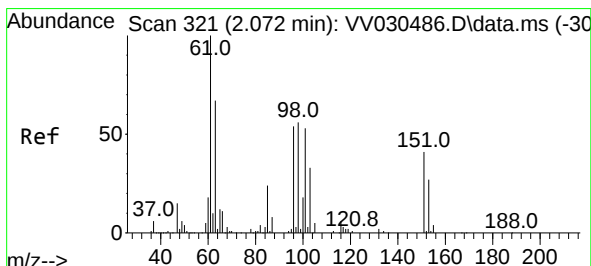
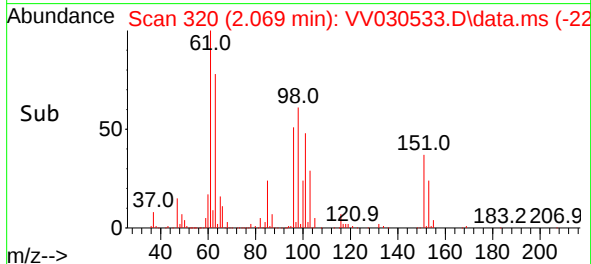
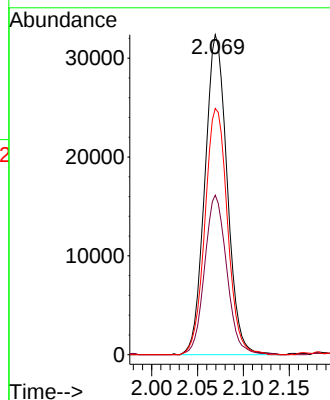
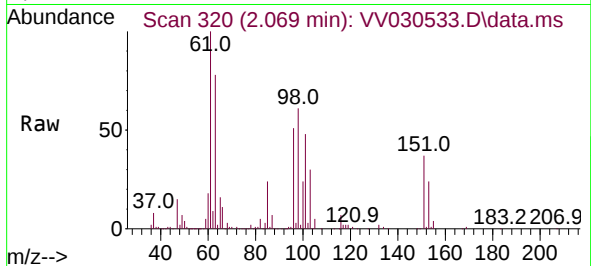




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.417 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV030533.D
 Acq: 13 Apr 2023 09:51

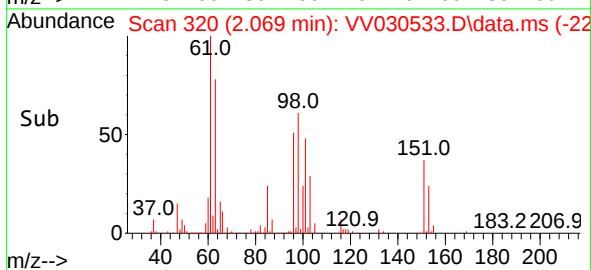
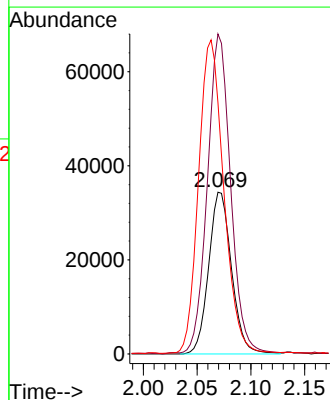
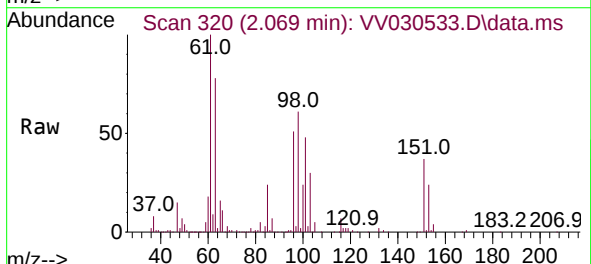
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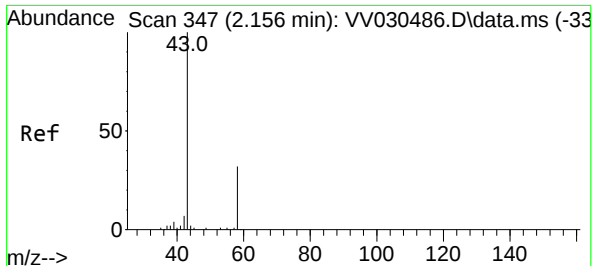
Tgt Ion:101 Resp: 54739
 Ion Ratio Lower Upper
 101 100
 85 49.4 38.1 57.1
 151 78.0 62.7 94.1



#12
 1,1-Dichloroethene
 Concen: 4.622 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.003 min
 Lab File: VV030533.D
 Acq: 13 Apr 2023 09:51

Tgt Ion: 96 Resp: 50868
 Ion Ratio Lower Upper
 96 100
 61 197.8 136.3 253.1
 63 155.2 92.1 171.1





#13

Acetone

Concen: 33.568 ug/L

RT: 2.172 min Scan# 3

Delta R.T. -0.006 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

Instrument :

MSVOA_V

ClientSampleId :

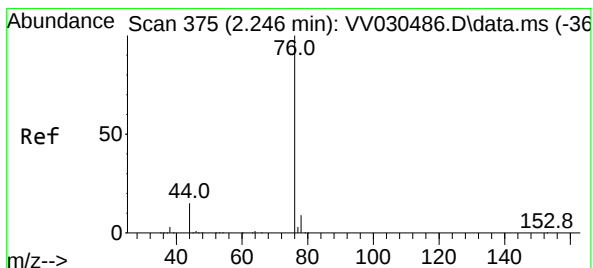
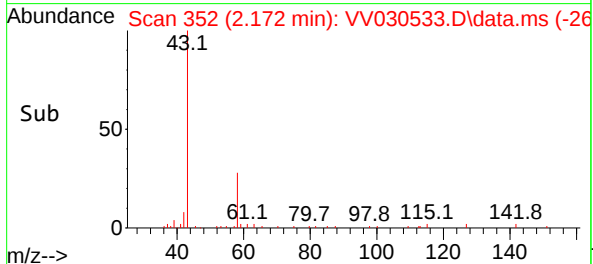
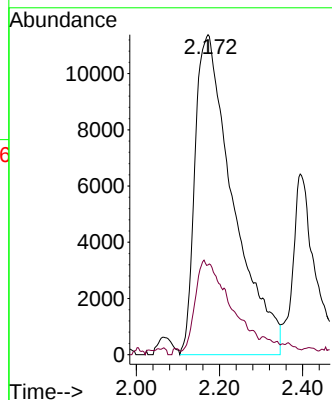
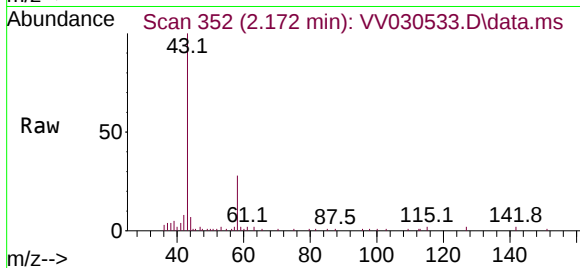
VSTD005332

Tgt Ion: 43 Resp: 72377

Ion Ratio Lower Upper

43 100

58 25.9 0.0 40.8



#14

Carbon disulfide

Concen: 4.108 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV030533.D

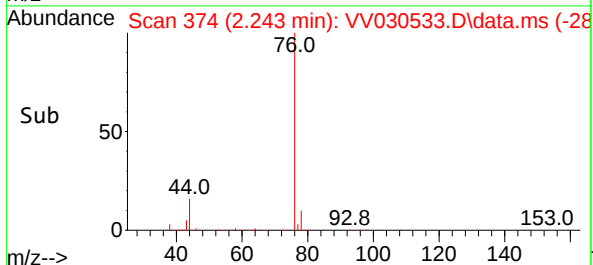
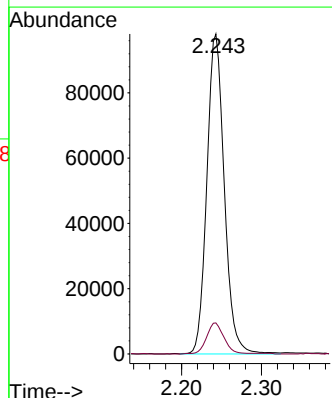
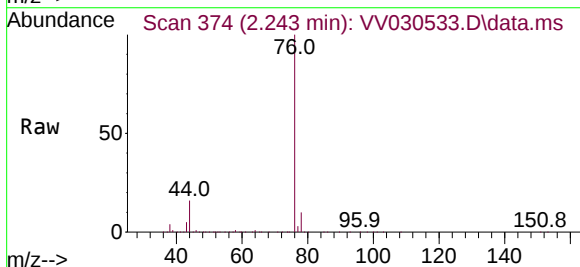
Acq: 13 Apr 2023 09:51

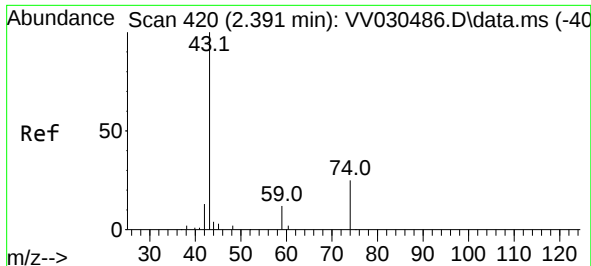
Tgt Ion: 76 Resp: 148934

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9

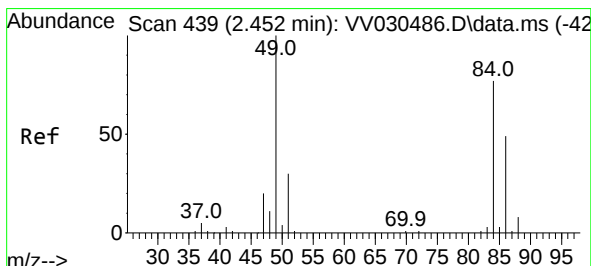
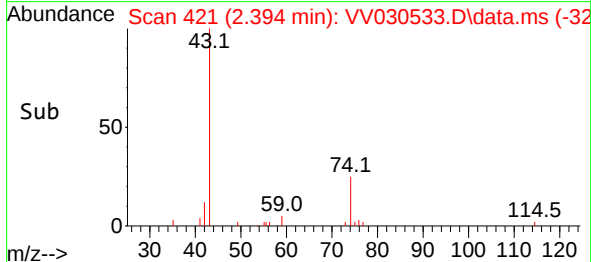
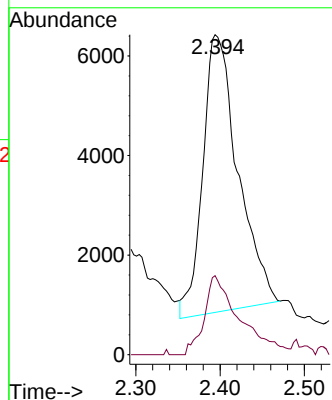
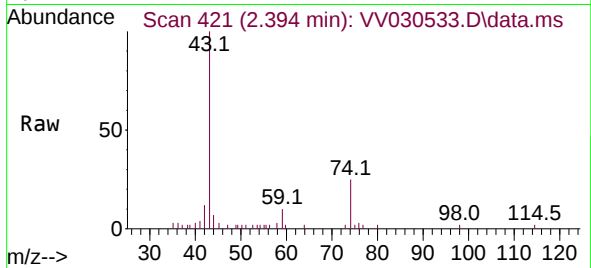




#15
Methyl Acetate
Concen: 4.194 ug/L
RT: 2.394 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

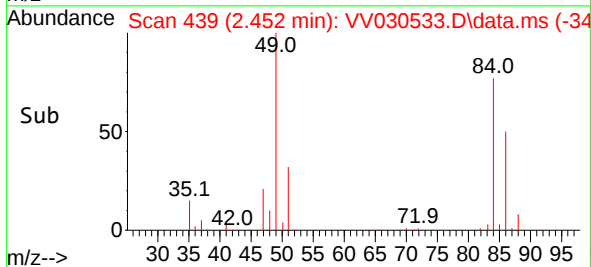
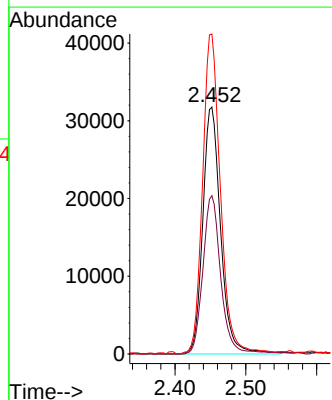
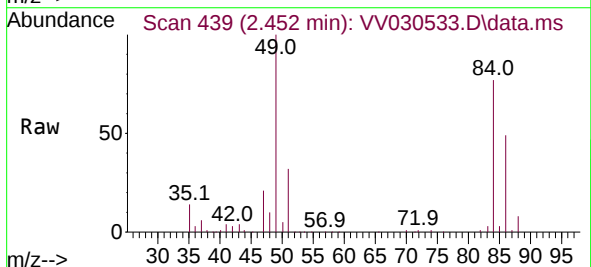
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

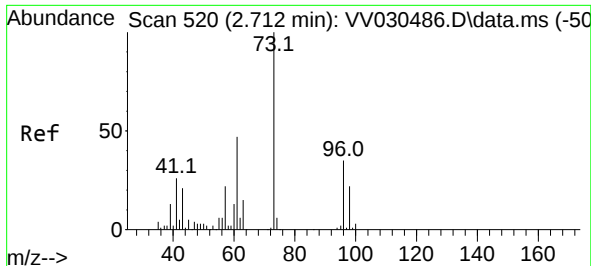
Tgt Ion: 43 Resp: 16159
Ion Ratio Lower Upper
43 100
74 28.7 22.1 33.1



#16
Methylene chloride
Concen: 4.266 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

Tgt Ion: 84 Resp: 55533
Ion Ratio Lower Upper
84 100
86 64.1 44.0 81.6
49 129.6 90.6 168.3





#17

Methyl tert-butyl Ether

Concen: 4.401 ug/L

RT: 2.712 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

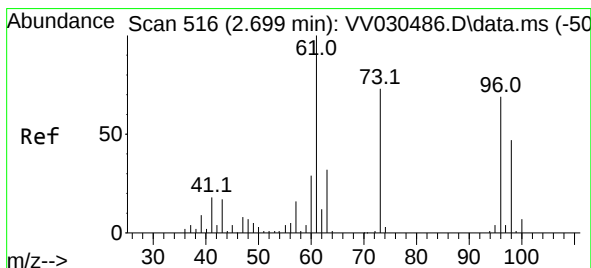
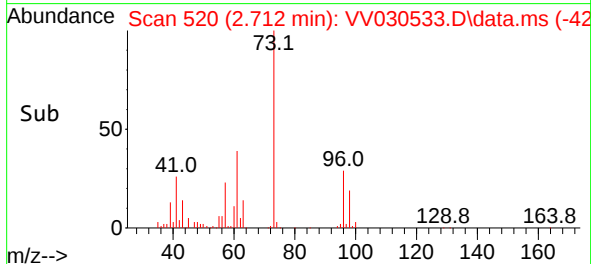
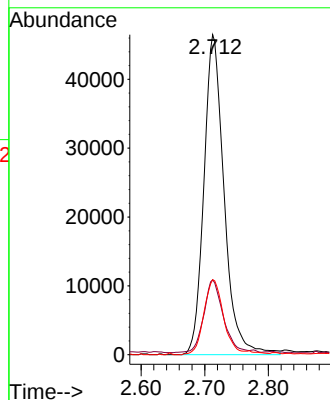
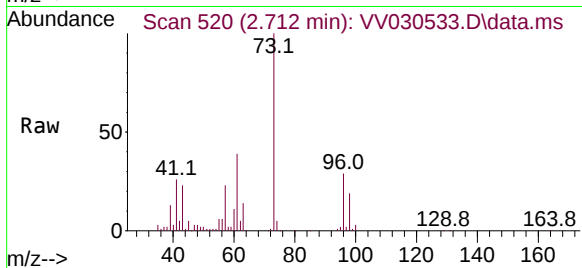
Tgt Ion: 73 Resp: 102583

Ion Ratio Lower Upper

73 100

43 21.8 17.4 26.2

57 22.5 18.3 27.5



#18

trans-1,2-Dichloroethene

Concen: 4.268 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

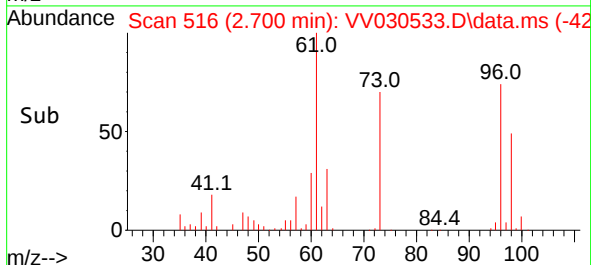
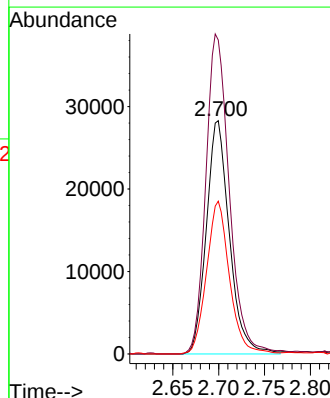
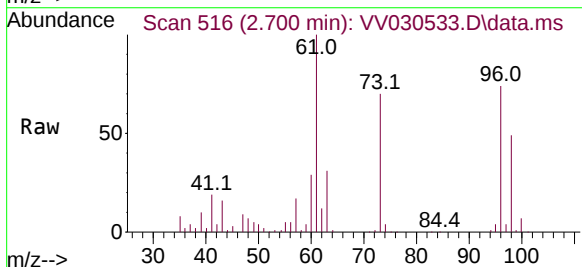
Tgt Ion: 96 Resp: 49483

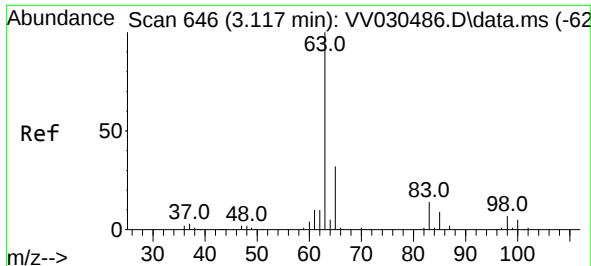
Ion Ratio Lower Upper

96 100

61 134.6 101.7 188.9

98 65.5 45.8 85.2





#19

1,1-Dichloroethane

Concen: 4.399 ug/L

RT: 3.118 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

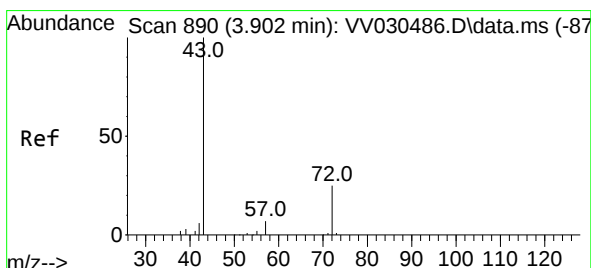
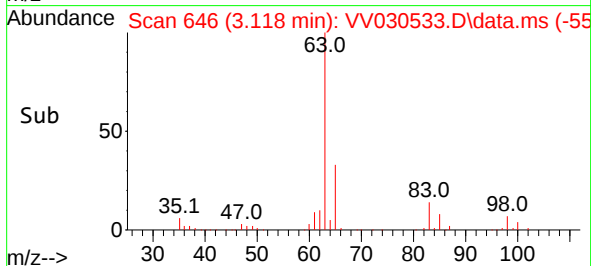
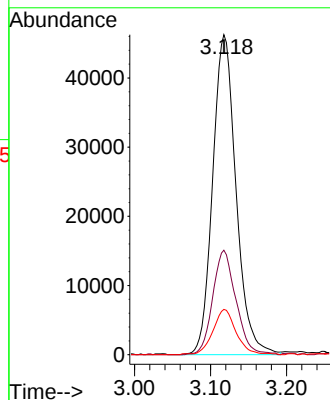
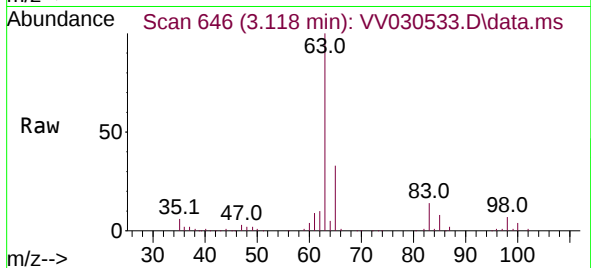
Tgt Ion: 63 Resp: 98875

Ion Ratio Lower Upper

63 100

65 32.7 21.7 40.3

83 14.2 9.1 16.9



#21

2-Butanone

Concen: 35.846 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.003 min

Lab File: VV030533.D

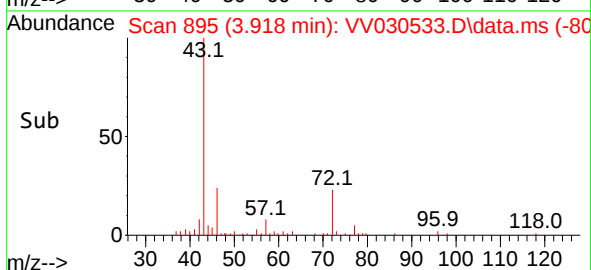
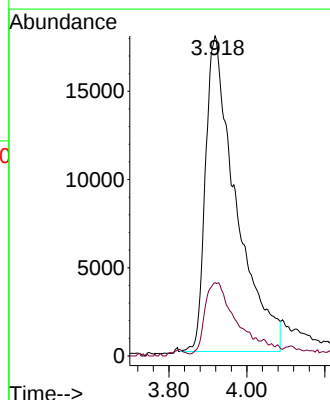
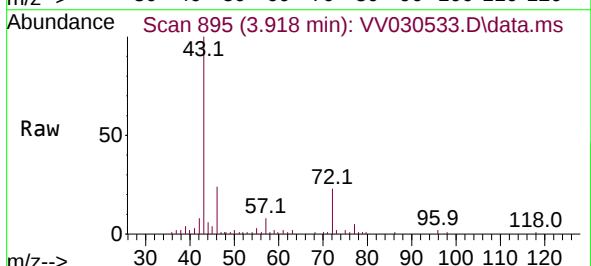
Acq: 13 Apr 2023 09:51

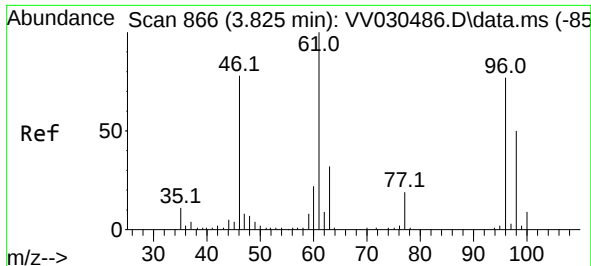
Tgt Ion: 43 Resp: 97277

Ion Ratio Lower Upper

43 100

72 21.2 11.2 33.5

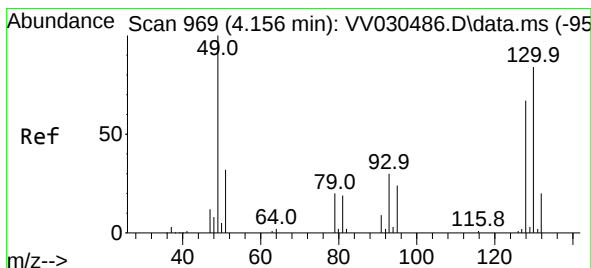
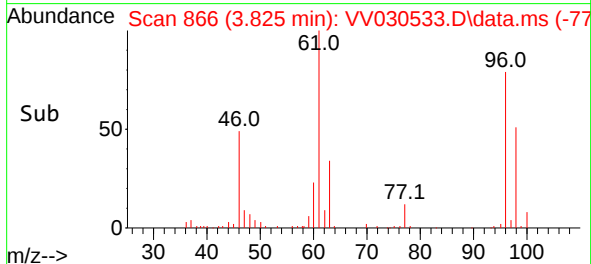
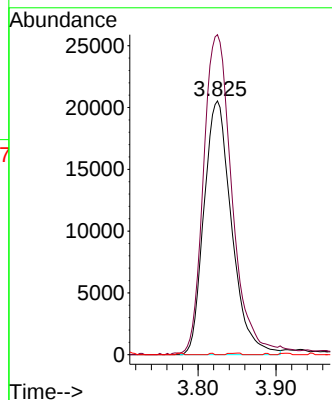
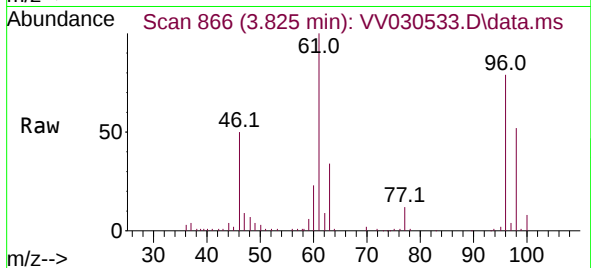




#22
 cis-1,2-Dichloroethene
 Concen: 4.348 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VV030533.D
 Acq: 13 Apr 2023 09:51

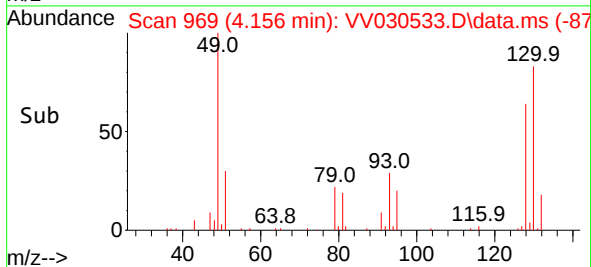
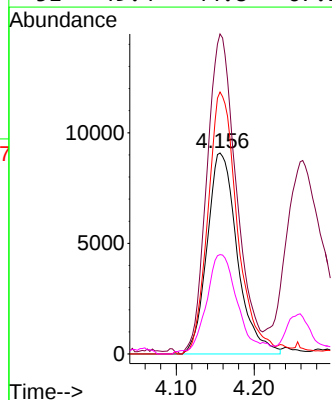
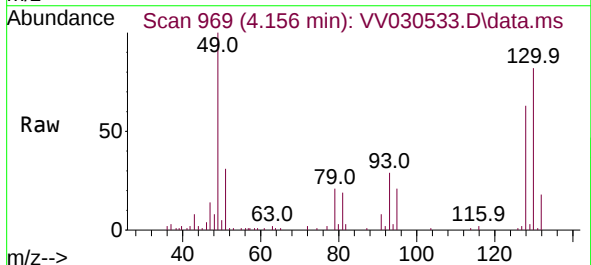
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005332

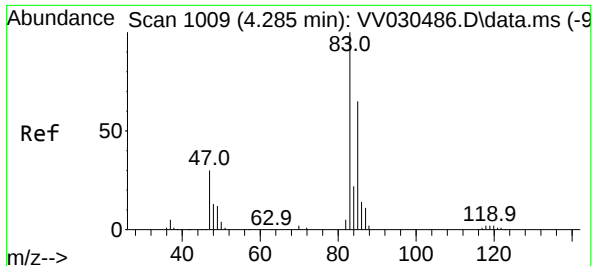
Tgt Ion: 96 Resp: 50589
 Ion Ratio Lower Upper
 96 100
 61 126.1 92.0 170.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.490 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. 0.000 min
 Lab File: VV030533.D
 Acq: 13 Apr 2023 09:51

Tgt Ion: 128 Resp: 24402
 Ion Ratio Lower Upper
 128 100
 49 159.2 119.4 221.8
 130 130.3 89.2 165.8
 51 49.4 44.8 67.2





#25

Chloroform

Concen: 4.684 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

Instrument :

MSVOA_V

ClientSampleId :

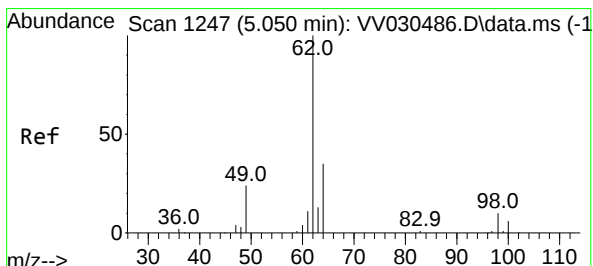
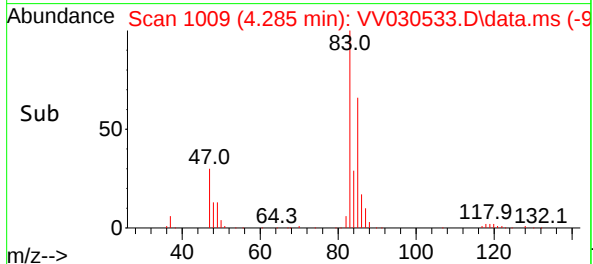
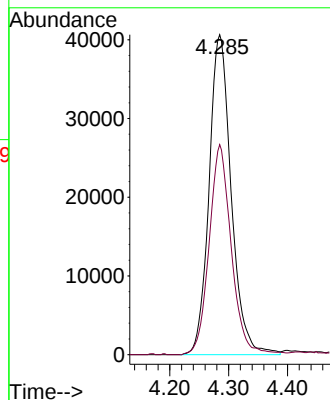
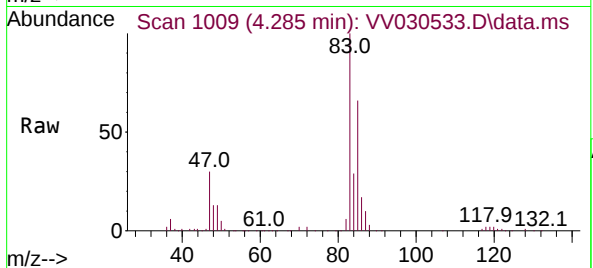
VSTD005332

Tgt Ion: 83 Resp: 106379

Ion Ratio Lower Upper

83 100

85 65.7 47.6 88.4



#27

1,2-Dichloroethane

Concen: 4.522 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VV030533.D

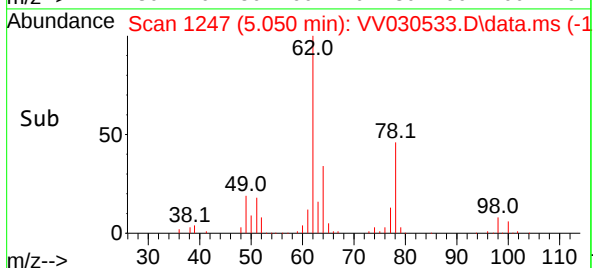
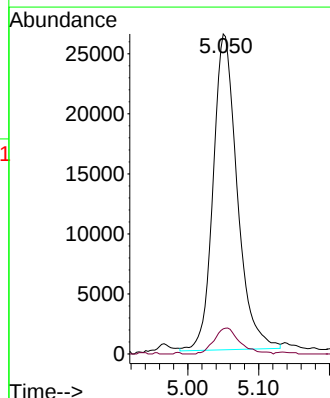
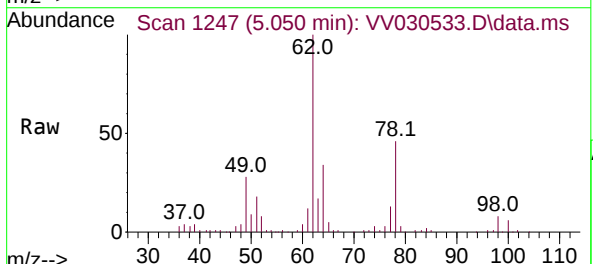
Acq: 13 Apr 2023 09:51

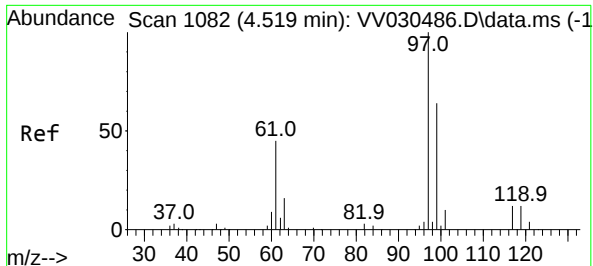
Tgt Ion: 62 Resp: 62100

Ion Ratio Lower Upper

62 100

98 7.8 7.8 11.8#





#29

1,1,1-Trichloroethane

Concen: 4.632 ug/L

RT: 4.519 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

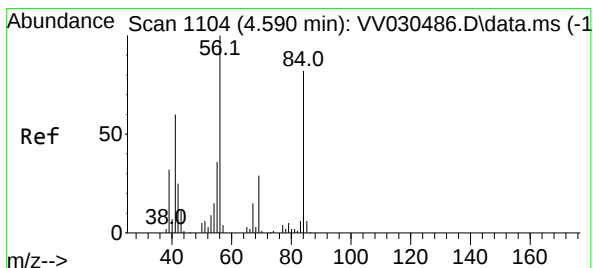
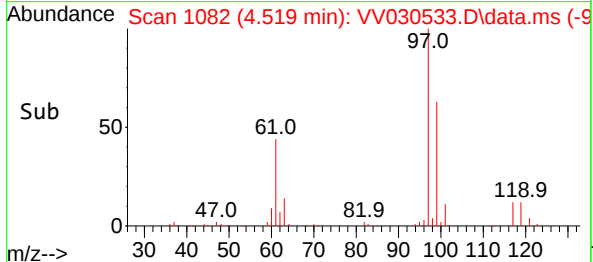
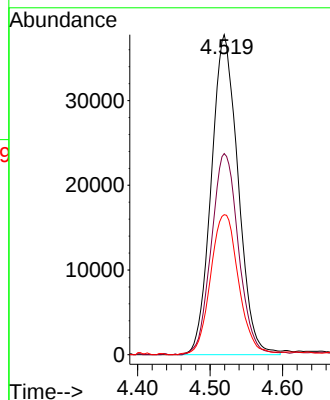
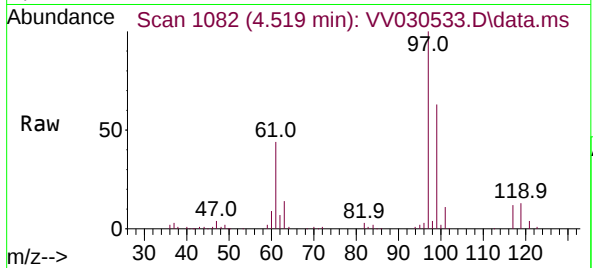
Tgt Ion: 97 Resp: 96885

Ion Ratio Lower Upper

97 100

99 63.8 50.9 76.3

61 45.8 35.9 53.9



#30

Cyclohexane

Concen: 4.006 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

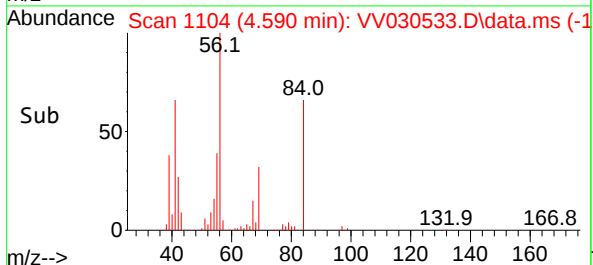
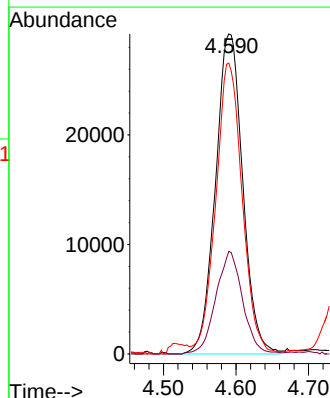
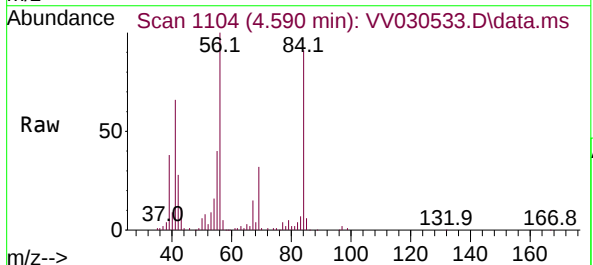
Tgt Ion: 56 Resp: 76326

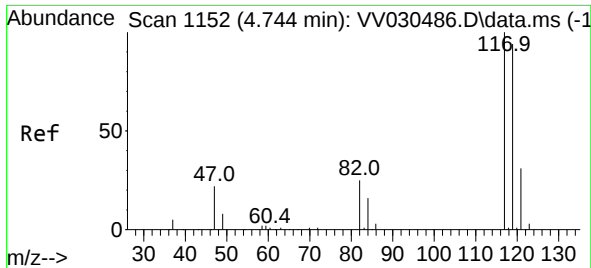
Ion Ratio Lower Upper

56 100

69 31.4 24.2 36.2

84 87.3 66.6 100.0

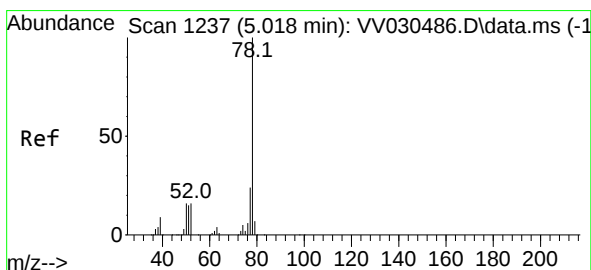
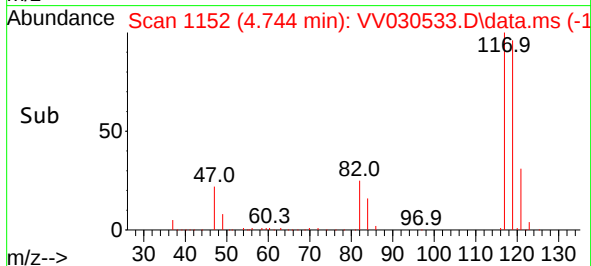
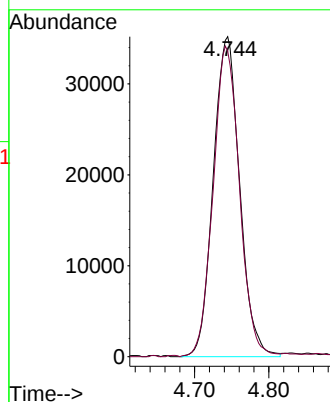
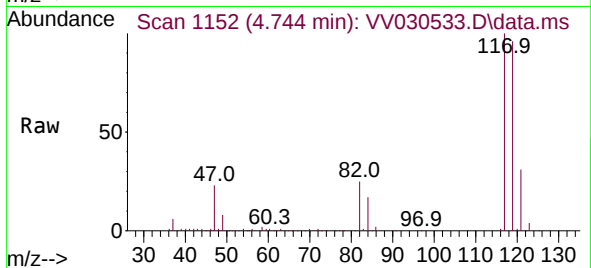




#31
Carbon tetrachloride
Concen: 4.584 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

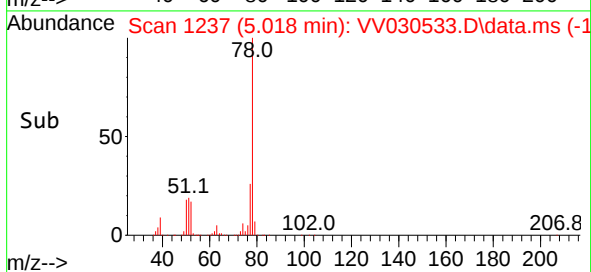
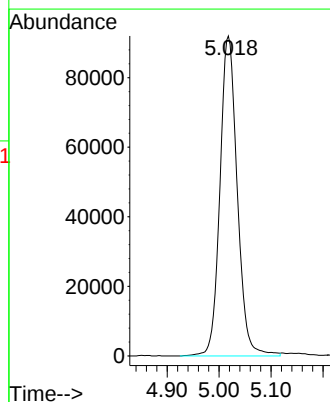
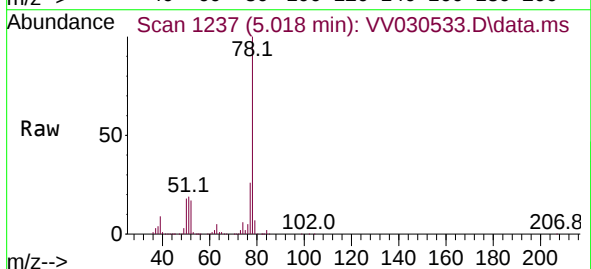
Instrument : MSVOA_V
ClientSampleId : VSTD005332

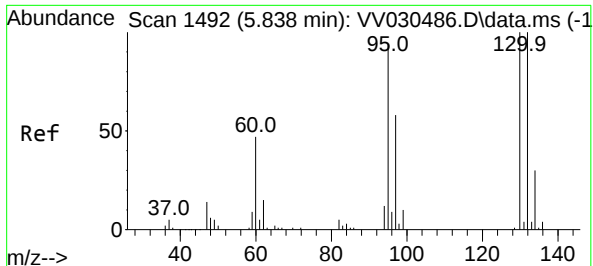
Tgt Ion:117 Resp: 86987
Ion Ratio Lower Upper
117 100
119 96.9 76.2 114.4



#33
Benzene
Concen: 4.603 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

Tgt Ion: 78 Resp: 212752

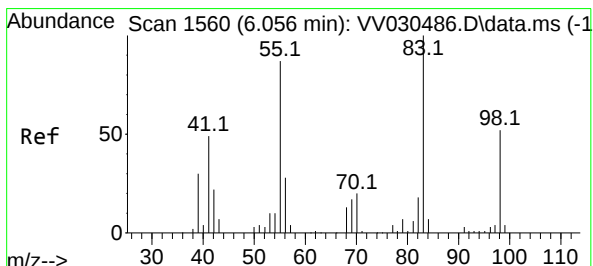
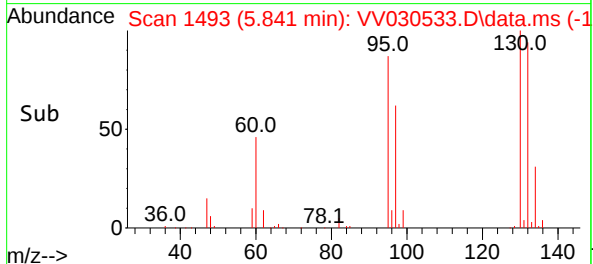
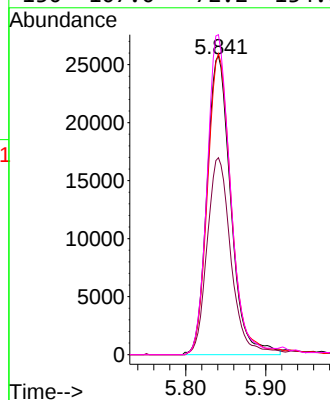
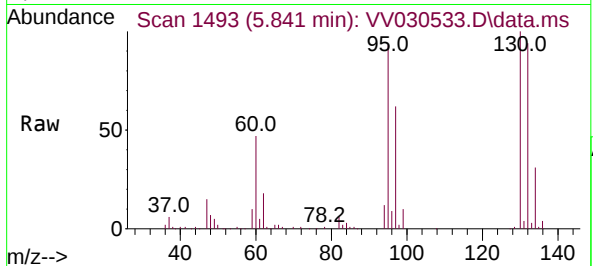




#34
Trichloroethene
Concen: 4.271 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

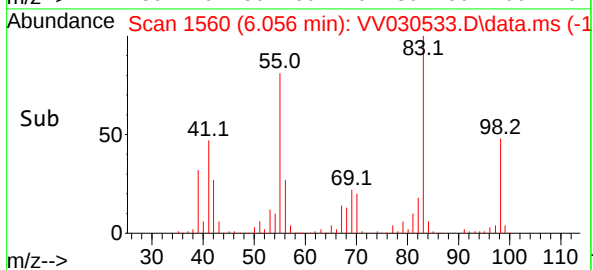
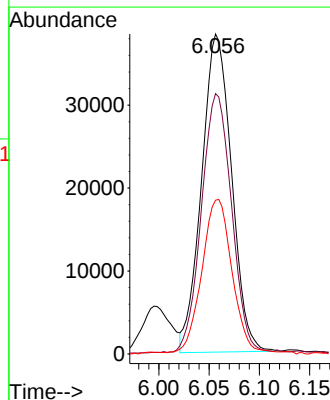
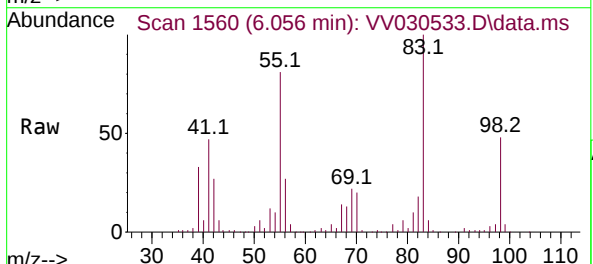
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

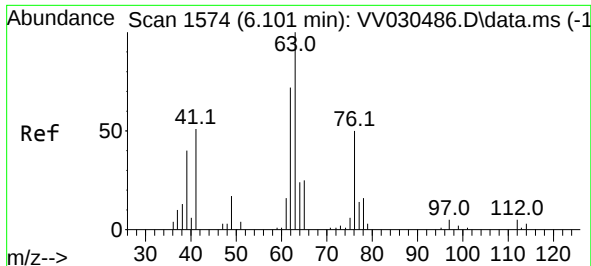
Tgt Ion: 95 Resp: 53241
Ion Ratio Lower Upper
95 100
97 65.9 44.2 82.2
132 100.7 69.5 129.1
130 107.0 72.2 134.0



#35
Methylcyclohexane
Concen: 4.062 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

Tgt Ion: 83 Resp: 79467
Ion Ratio Lower Upper
83 100
55 81.6 66.6 100.0
98 48.2 38.6 58.0





#37

1,2-Dichloropropane

Concen: 4.452 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

Instrument :

MSVOA_V

ClientSampleId :

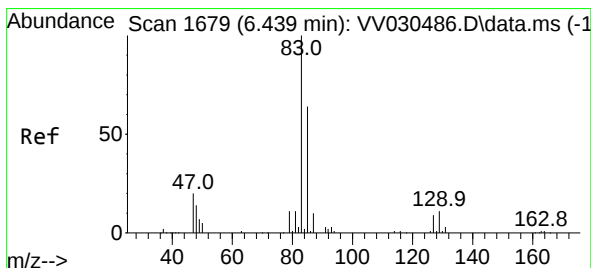
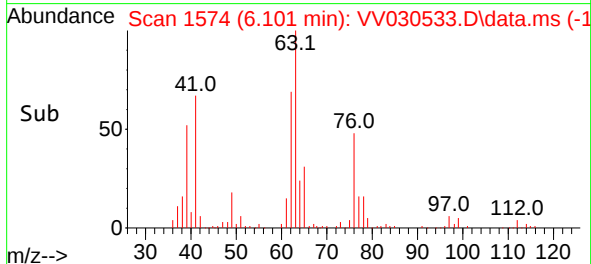
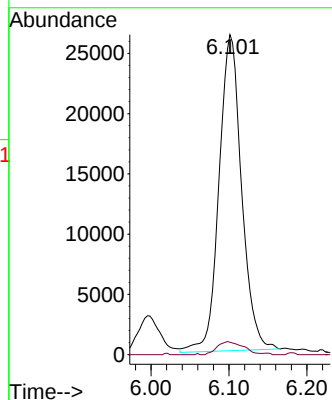
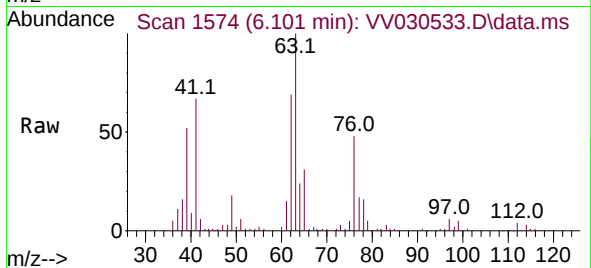
VSTD005332

Tgt Ion: 63 Resp: 52825

Ion Ratio Lower Upper

63 100

112 4.8 3.9 5.9



#38

Bromodichloromethane

Concen: 4.593 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

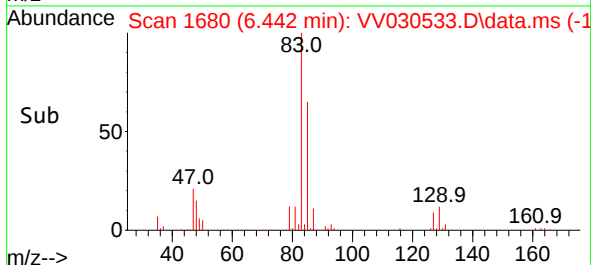
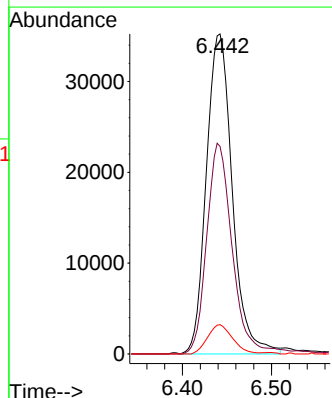
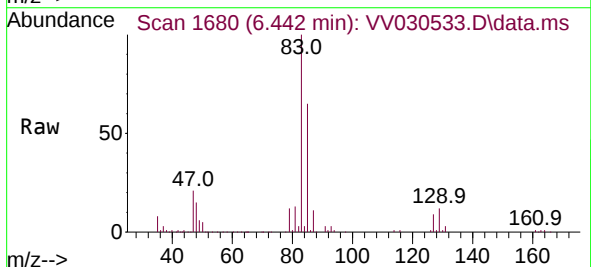
Tgt Ion: 83 Resp: 71365

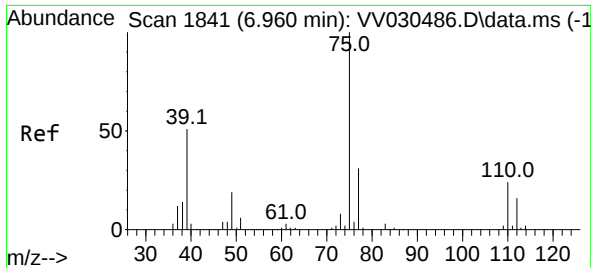
Ion Ratio Lower Upper

83 100

85 64.9 45.3 84.1

127 9.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.032 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

Instrument :

MSVOA_V

ClientSampleId :

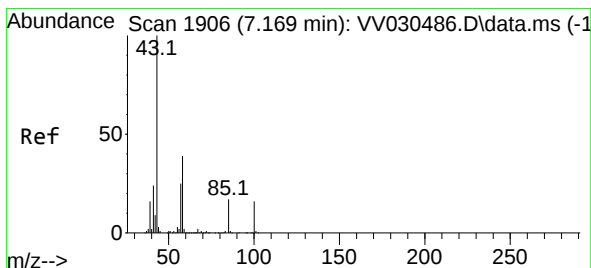
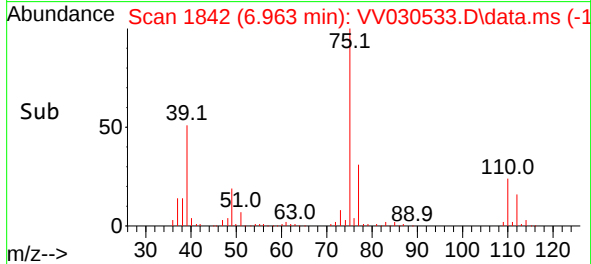
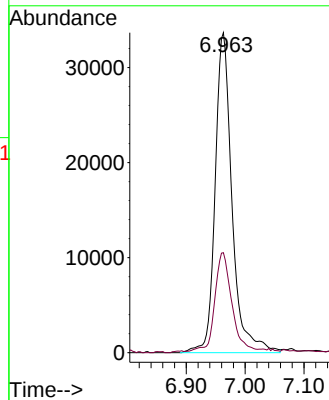
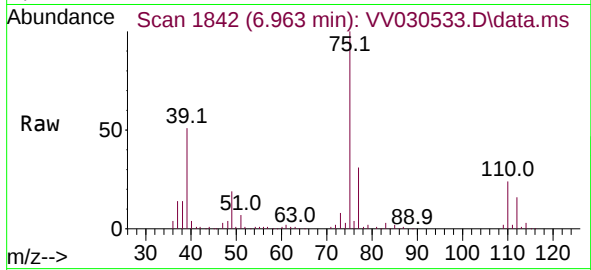
VSTD005332

Tgt Ion: 75 Resp: 67268

Ion Ratio Lower Upper

75 100

77 31.3 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 45.252 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

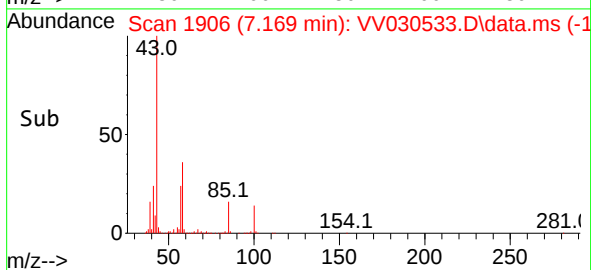
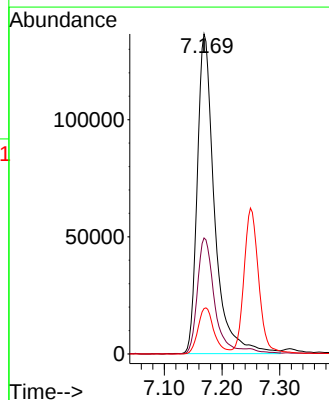
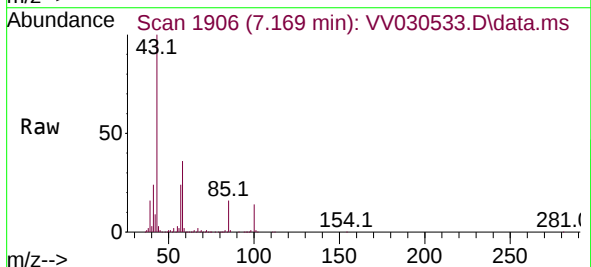
Tgt Ion: 43 Resp: 282929

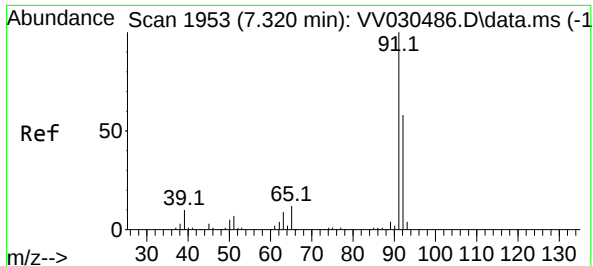
Ion Ratio Lower Upper

43 100

58 35.8 28.8 43.2

100 13.5 10.7 16.1

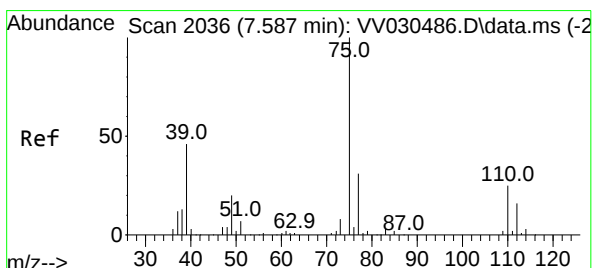
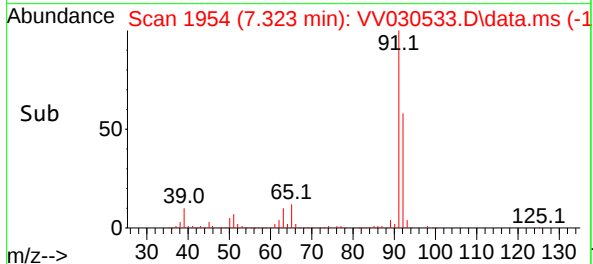
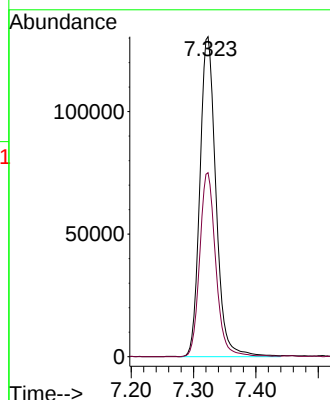
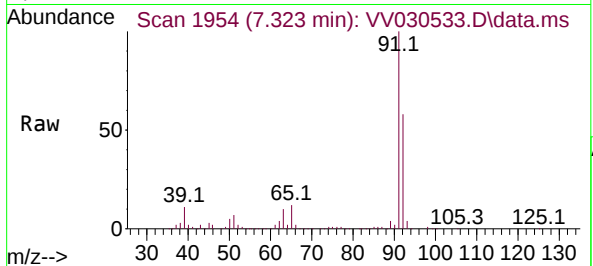




#42
Toluene
Concen: 4.759 ug/L
RT: 7.323 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

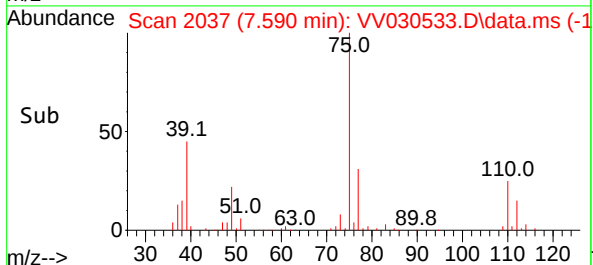
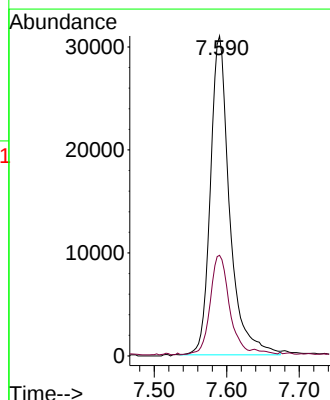
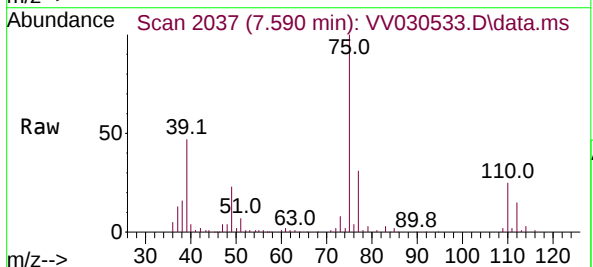
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

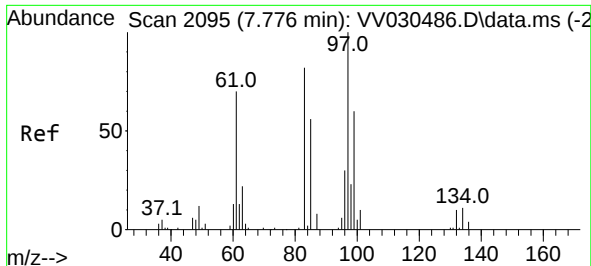
Tgt Ion: 91 Resp: 234243
Ion Ratio Lower Upper
91 100
92 57.5 40.4 75.0



#44
trans-1,3-Dichloropropene
Concen: 4.016 ug/L
RT: 7.590 min Scan# 2037
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

Tgt Ion: 75 Resp: 57007
Ion Ratio Lower Upper
75 100
77 31.4 21.2 39.4

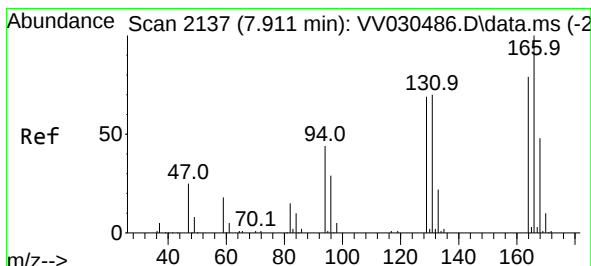
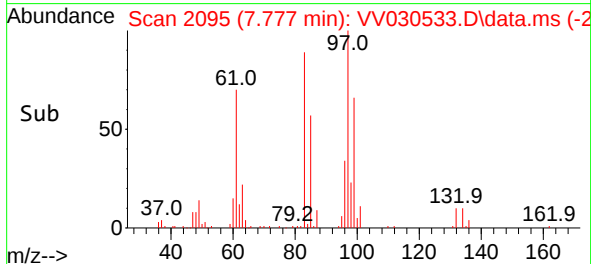
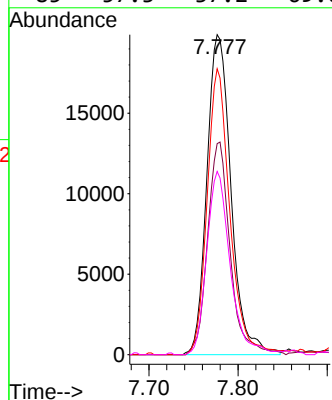
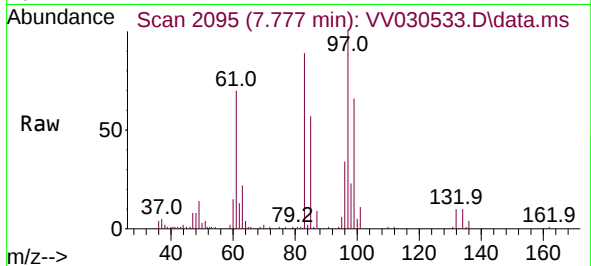




#45
1,1,2-Trichloroethane
Concen: 4.489 ug/L
RT: 7.777 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

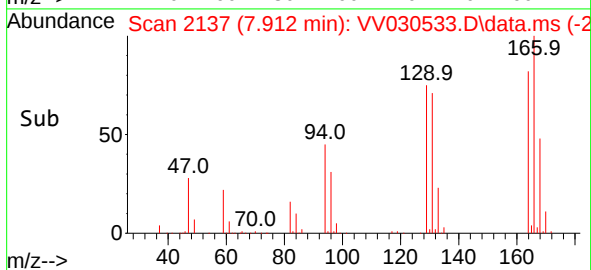
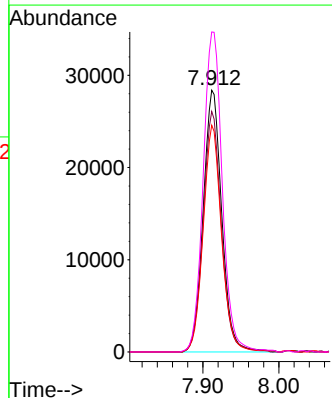
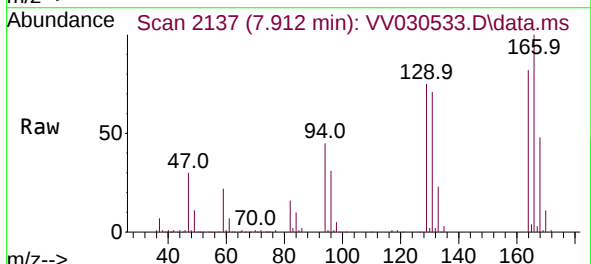
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

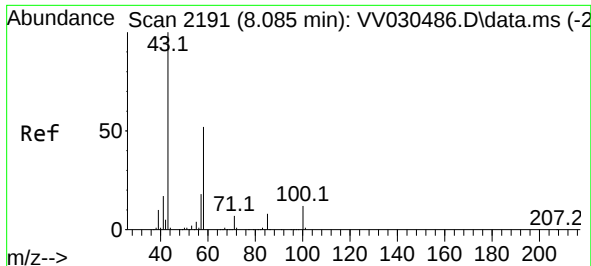
Tgt Ion:	97	Resp:	37502
Ion	Ratio	Lower	Upper
97	100		
99	66.0	44.0	81.8
83	89.3	58.8	109.2
85	57.3	37.2	69.0



#47
Tetrachloroethene
Concen: 4.388 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

Tgt Ion:	164	Resp:	48272
Ion	Ratio	Lower	Upper
164	100		
129	91.9	60.8	112.8
131	86.6	61.7	114.7
166	122.2	85.6	159.0

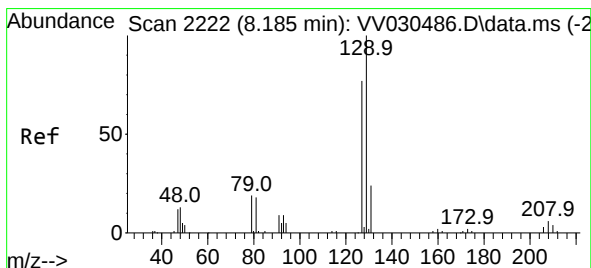
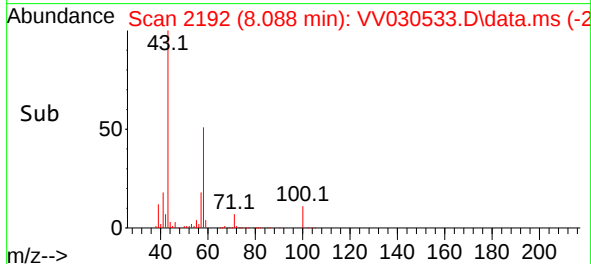
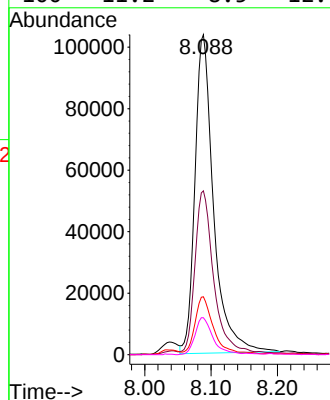
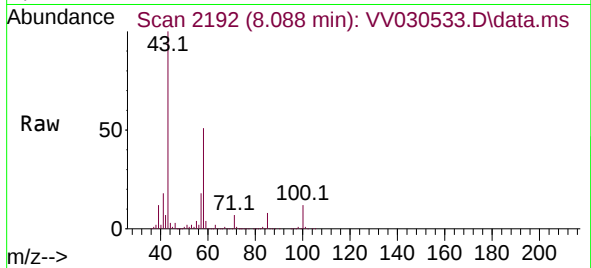




#48
2-Hexanone
Concen: 43.227 ug/L
RT: 8.088 min Scan# 2191
Delta R.T. 0.003 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

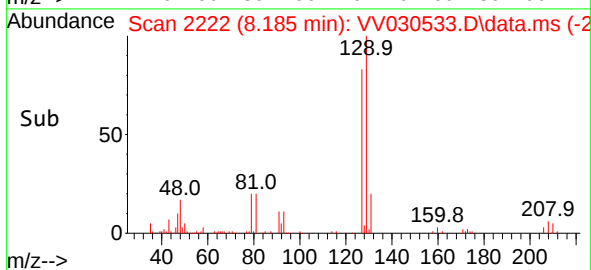
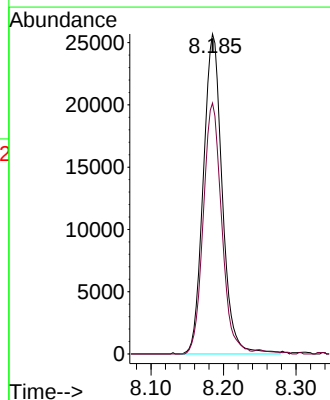
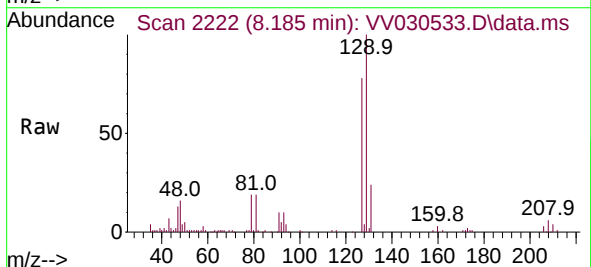
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

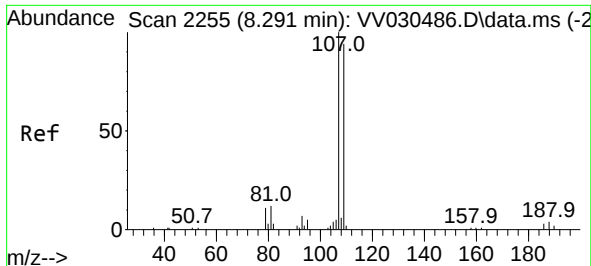
Tgt Ion: 43 Resp: 202412
Ion Ratio Lower Upper
43 100
58 51.7 40.3 60.5
57 17.5 14.6 22.0
100 11.2 8.5 12.7



#49
Dibromochloromethane
Concen: 4.682 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

Tgt Ion: 129 Resp: 46558
Ion Ratio Lower Upper
129 100
127 78.4 52.7 97.9





#50

1,2-Dibromoethane

Concen: 4.403 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

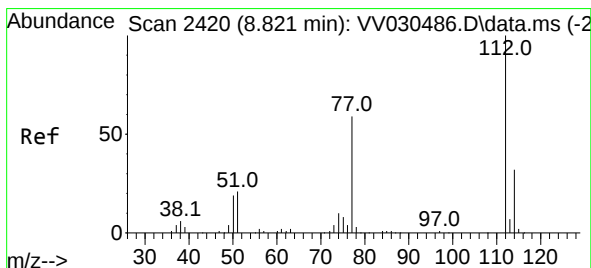
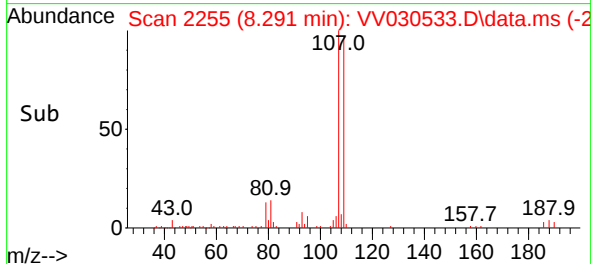
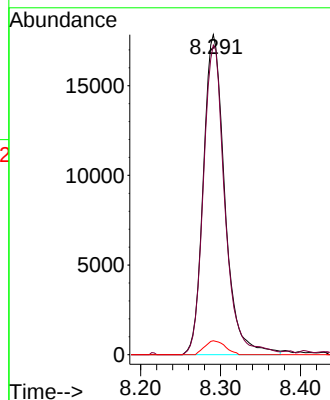
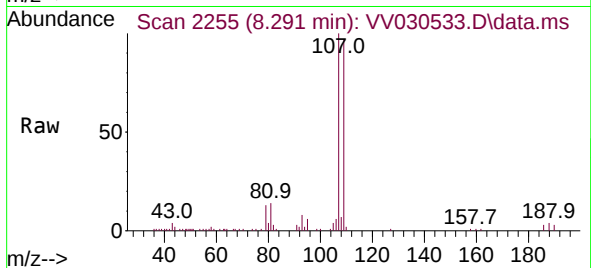
Tgt Ion:107 Resp: 33469

Ion Ratio Lower Upper

107 100

109 96.8 62.9 116.9

188 4.4 3.0 4.6



#51

Chlorobenzene

Concen: 4.603 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

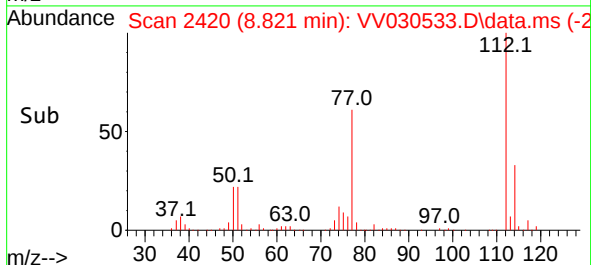
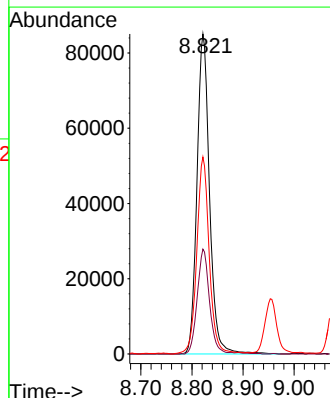
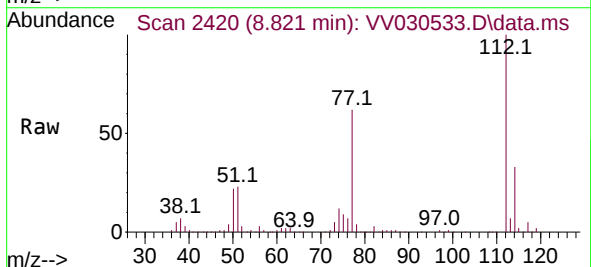
Tgt Ion:112 Resp: 145100

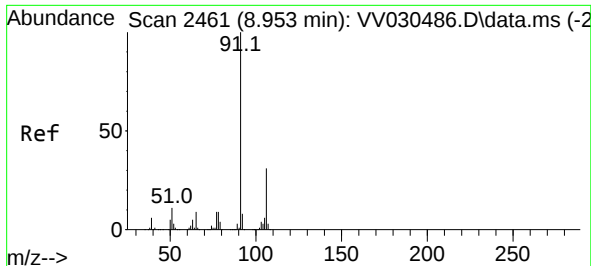
Ion Ratio Lower Upper

112 100

114 32.7 22.4 41.6

77 61.6 45.9 68.9

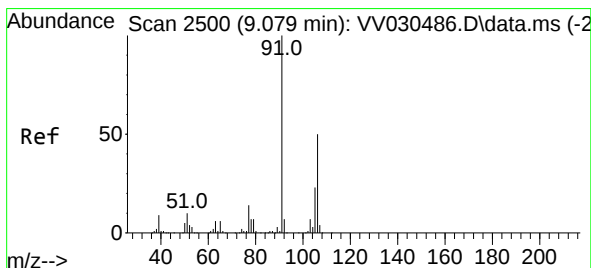
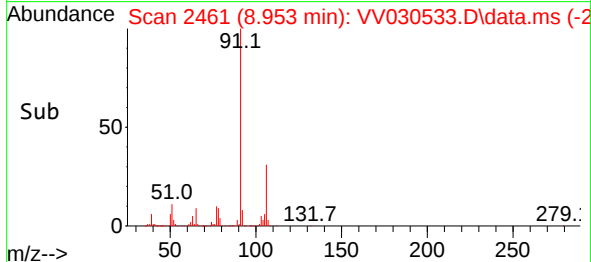
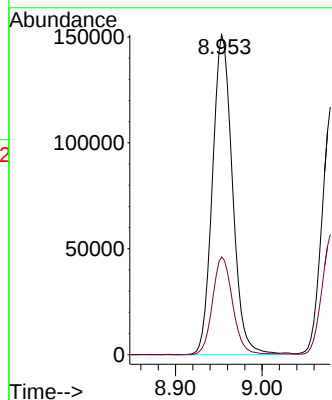
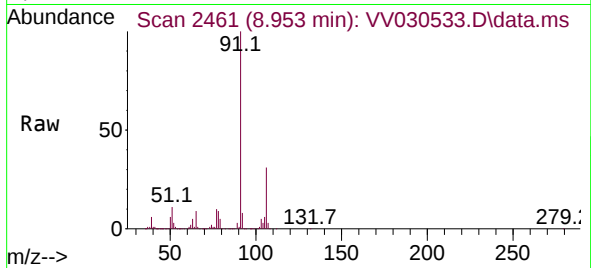




#52
Ethylbenzene
Concen: 4.499 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

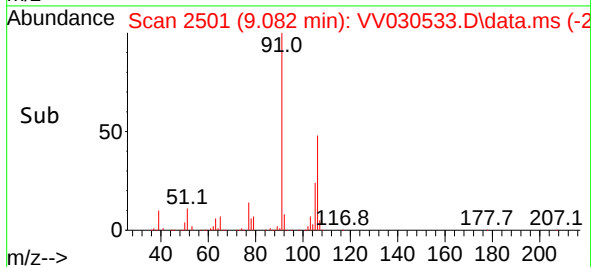
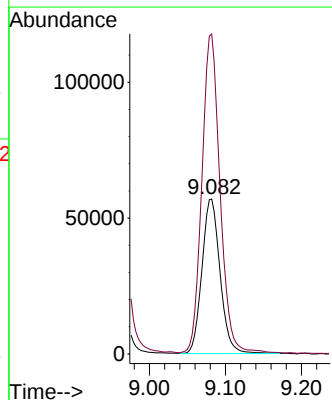
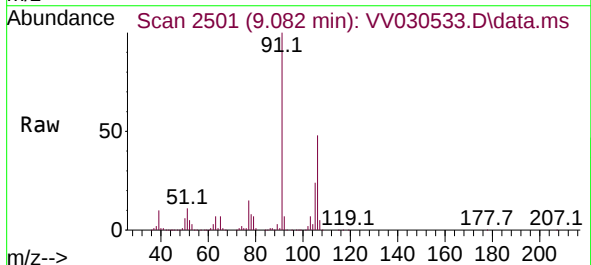
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

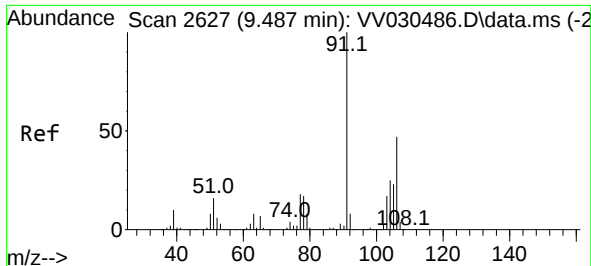
Tgt Ion: 91 Resp: 242286
Ion Ratio Lower Upper
91 100
106 30.5 22.2 41.2



#53
m,p-Xylene
Concen: 4.569 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

Tgt Ion: 106 Resp: 94201
Ion Ratio Lower Upper
106 100
91 206.6 142.4 264.4

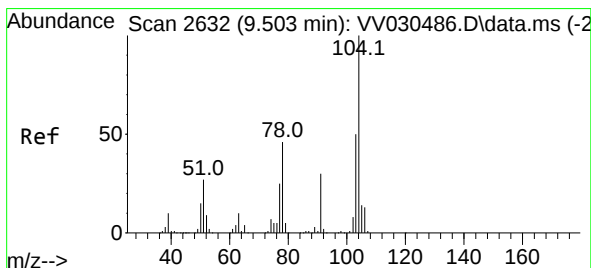
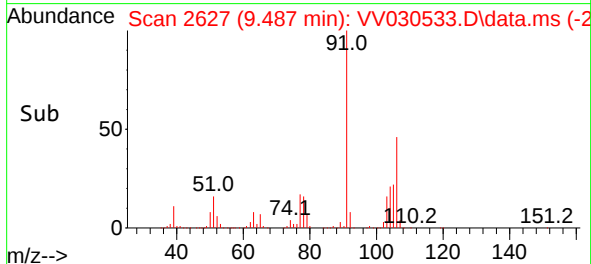
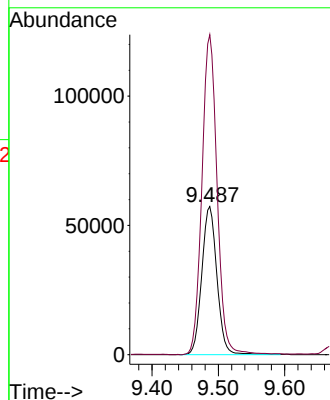
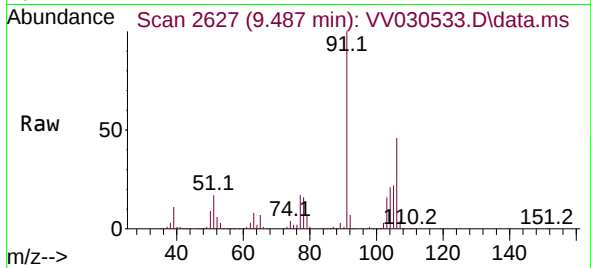




#54
o-Xylene
Concen: 4.610 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

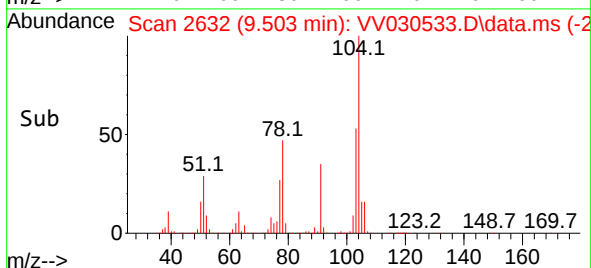
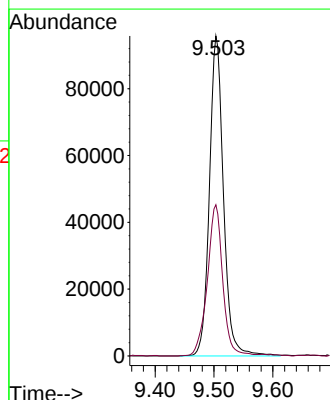
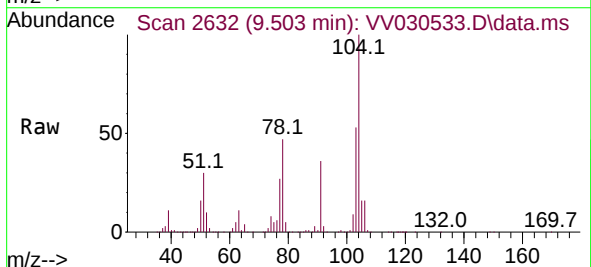
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

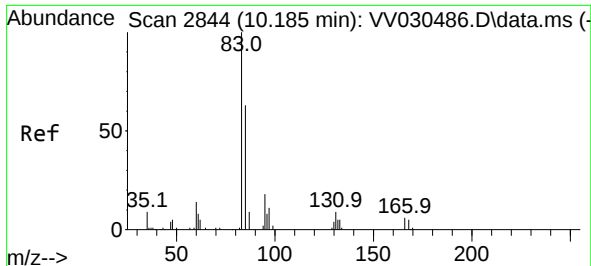
Tgt Ion:106 Resp: 90942
Ion Ratio Lower Upper
106 100
91 215.9 149.8 278.2



#55
Styrene
Concen: 4.745 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

Tgt Ion:104 Resp: 158972
Ion Ratio Lower Upper
104 100
78 47.3 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.394 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.003 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

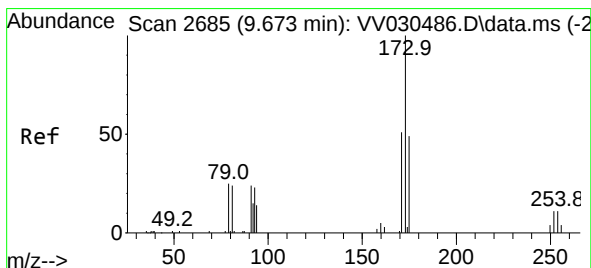
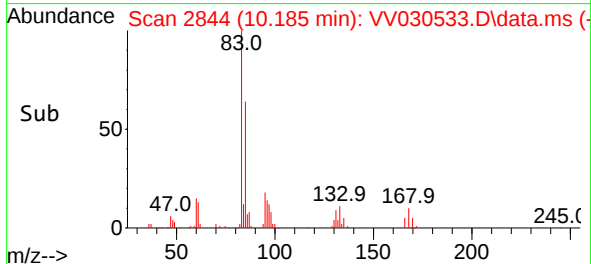
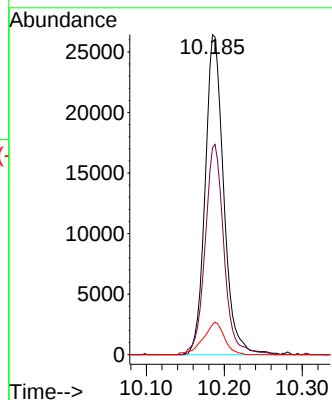
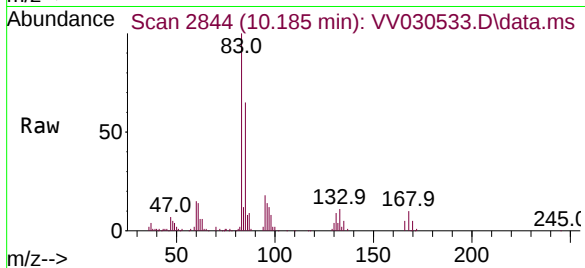
Tgt Ion: 83 Resp: 43571

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

131 9.5 8.2 12.4



#59

Bromoform

Concen: 4.525 ug/L

RT: 9.674 min Scan# 2685

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

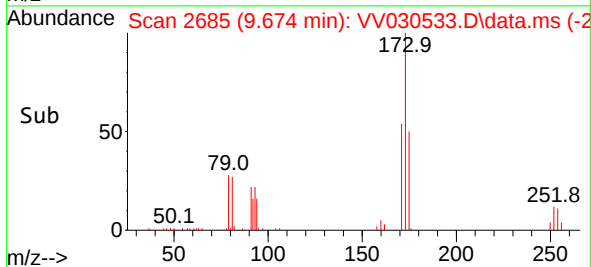
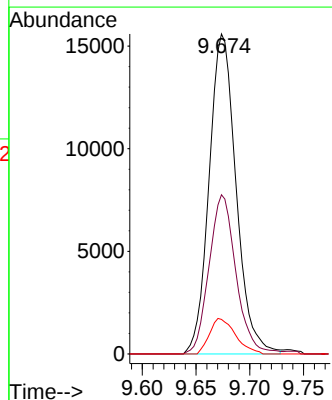
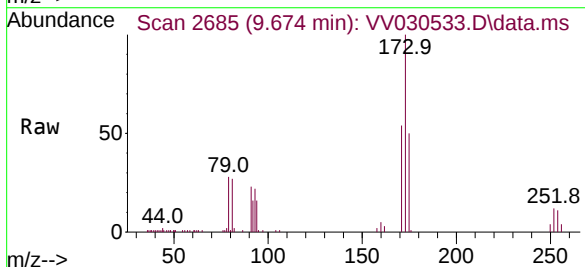
Tgt Ion: 173 Resp: 27202

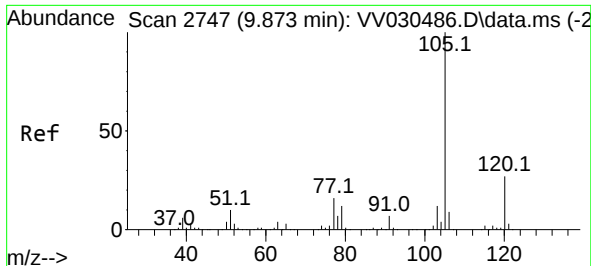
Ion Ratio Lower Upper

173 100

175 49.6 39.0 58.4

254 10.6 8.2 12.4

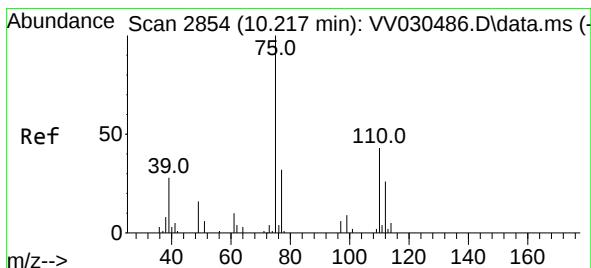
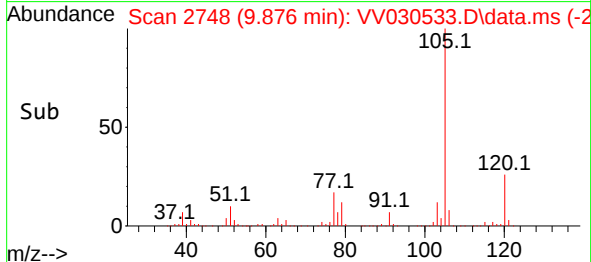
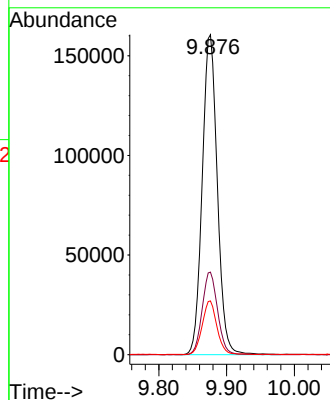
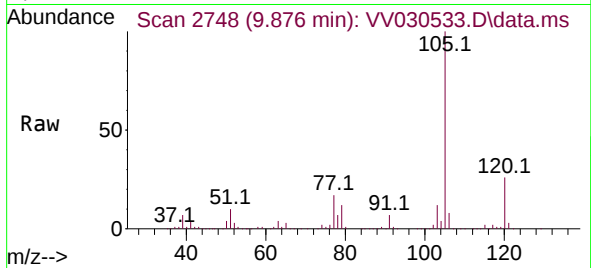




#60
Isopropylbenzene
Concen: 4.522 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

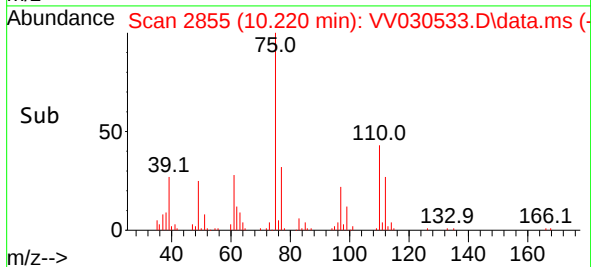
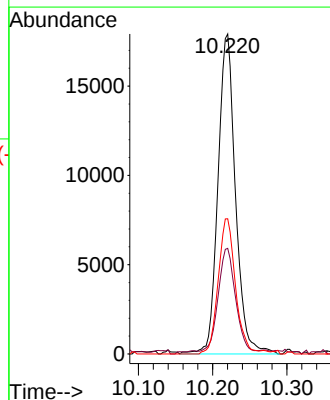
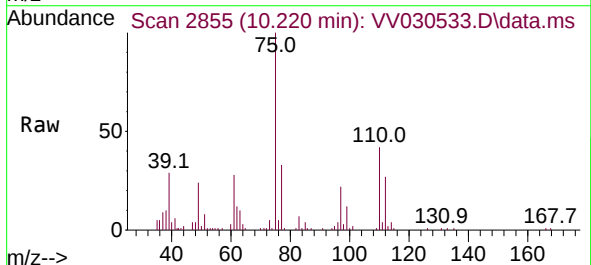
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

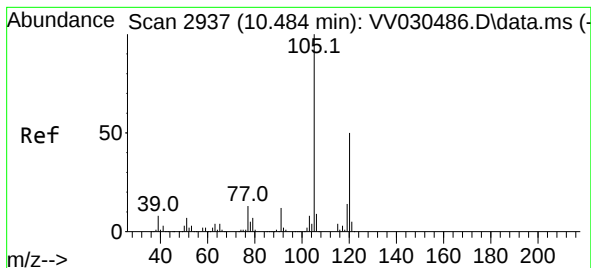
Tgt Ion:105 Resp: 248021
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7
77 16.2 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 4.429 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

Tgt Ion: 75 Resp: 29451
Ion Ratio Lower Upper
75 100
77 31.1 26.0 39.0
110 41.5 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 4.399 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

Instrument :

MSVOA_V

ClientSampleId :

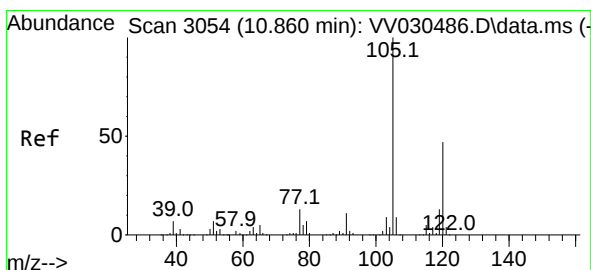
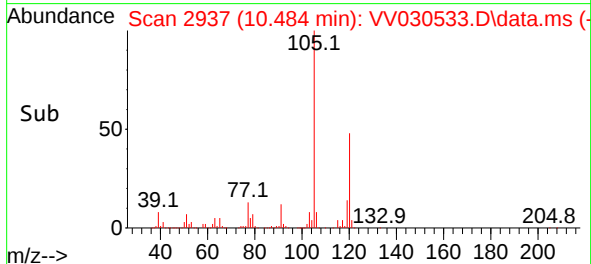
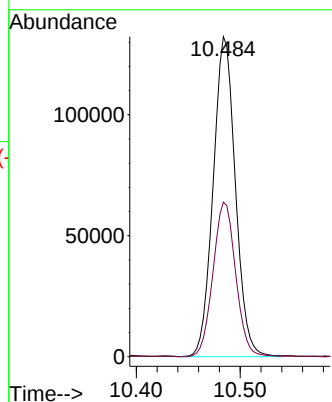
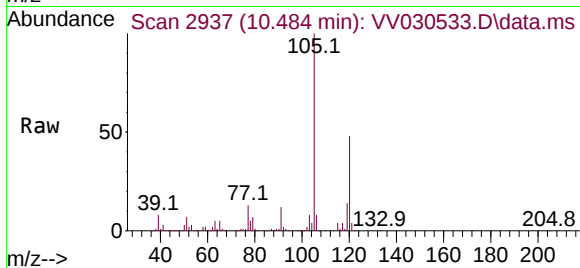
VSTD005332

Tgt Ion:105 Resp: 196879

Ion Ratio Lower Upper

105 100

120 49.2 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 4.479 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030533.D

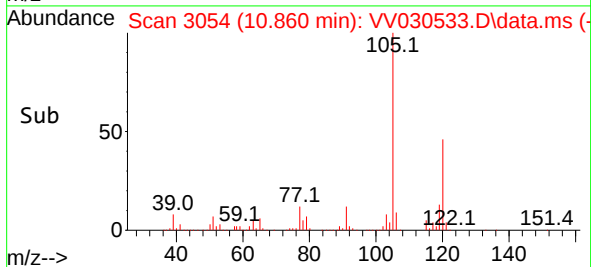
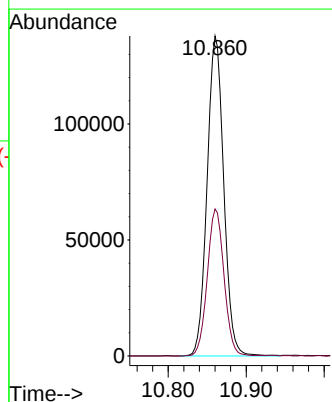
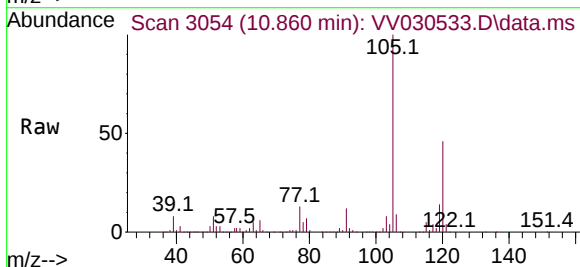
Acq: 13 Apr 2023 09:51

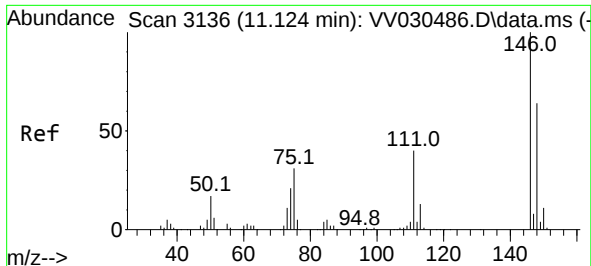
Tgt Ion:105 Resp: 204287

Ion Ratio Lower Upper

105 100

120 46.3 36.8 55.2

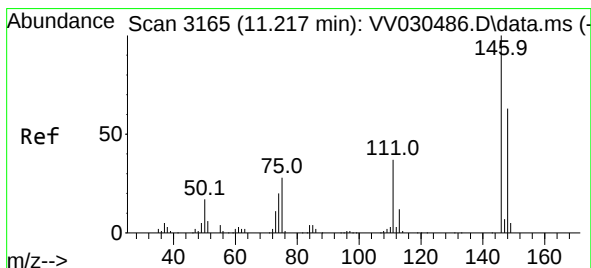
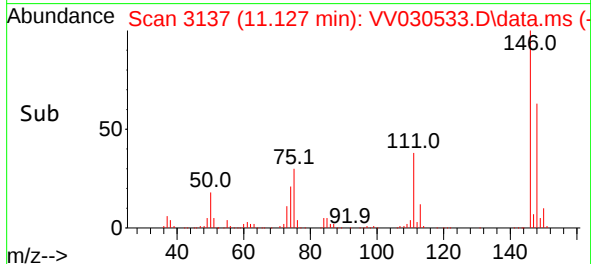
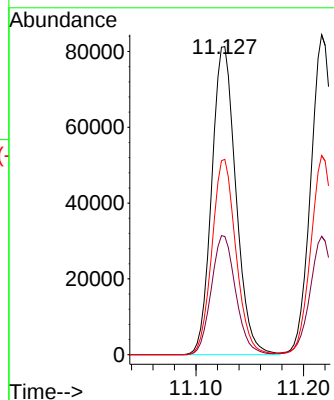
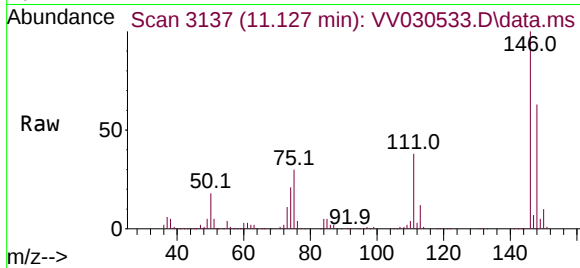




#64
1,3-Dichlorobenzene
Concen: 4.651 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

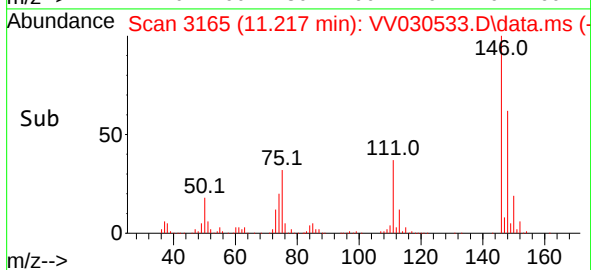
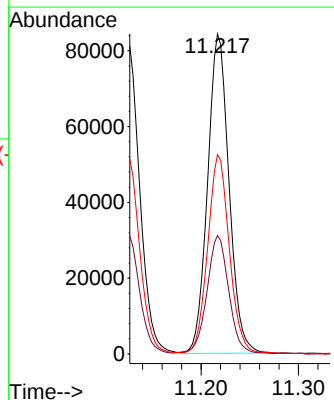
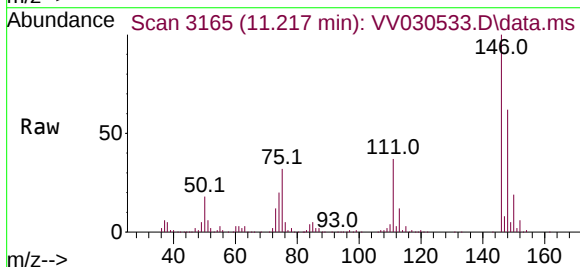
Instrument :
MSVOA_V
ClientSampleId :
VSTD005332

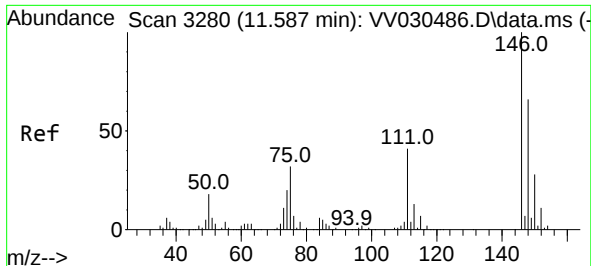
Tgt Ion:146 Resp: 127220
Ion Ratio Lower Upper
146 100
111 38.4 27.0 50.2
148 63.4 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 4.670 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030533.D
Acq: 13 Apr 2023 09:51

Tgt Ion:146 Resp: 128673
Ion Ratio Lower Upper
146 100
111 37.0 26.0 48.4
148 62.2 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 4.636 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

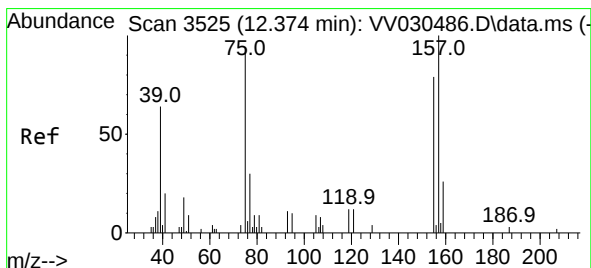
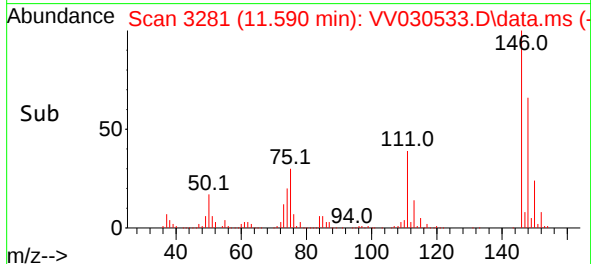
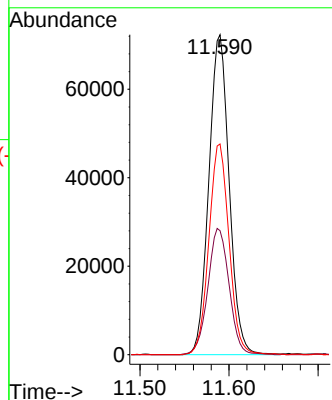
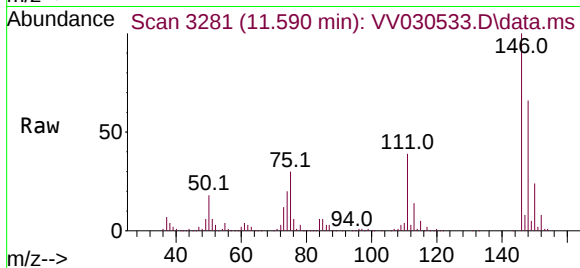
Tgt Ion:146 Resp: 114274

Ion Ratio Lower Upper

146 100

111 38.8 33.1 49.7

148 65.8 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.129 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

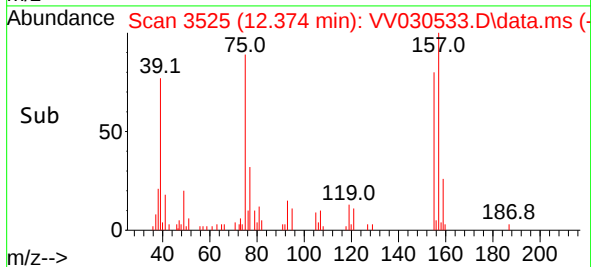
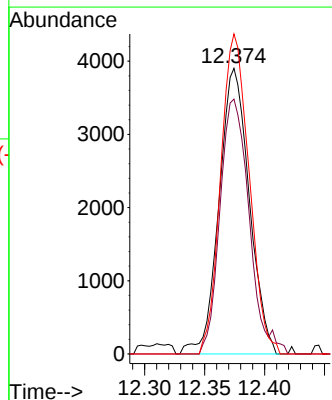
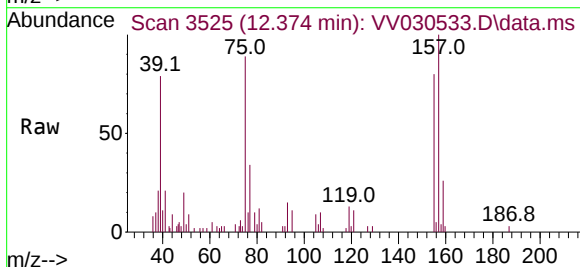
Tgt Ion: 75 Resp: 6829

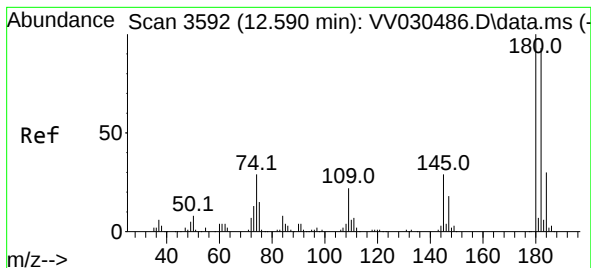
Ion Ratio Lower Upper

75 100

155 89.2 64.6 96.8

157 112.0 83.8 125.6





#69

1,3,5-Trichlorobenzene

Concen: 4.415 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.003 min

Lab File: VV030533.D

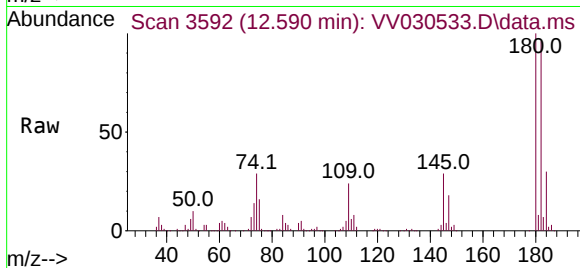
Acq: 13 Apr 2023 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332



Tgt Ion:180 Resp: 92975

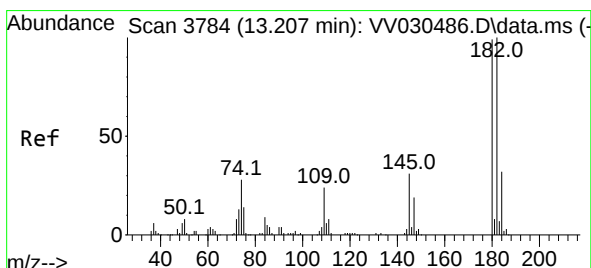
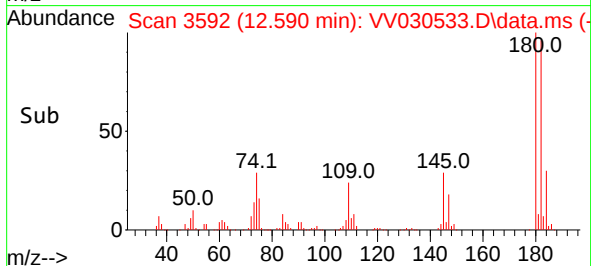
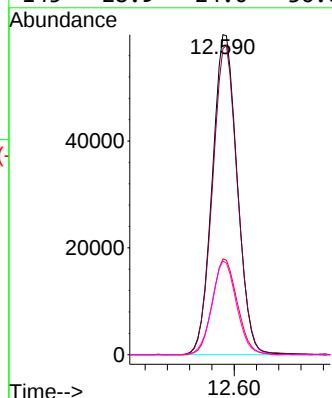
Ion Ratio Lower Upper

180 100

182 97.1 76.5 114.7

184 30.0 24.0 36.0

145 28.9 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 4.318 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

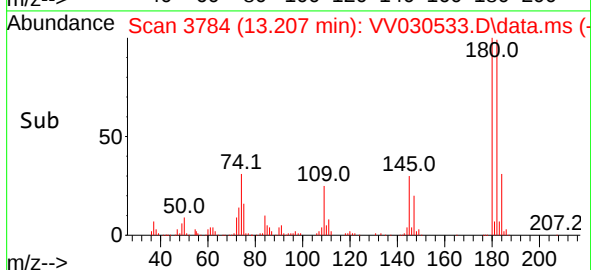
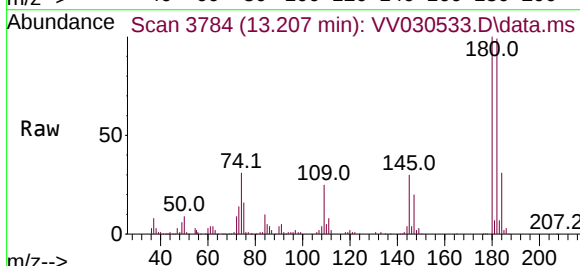
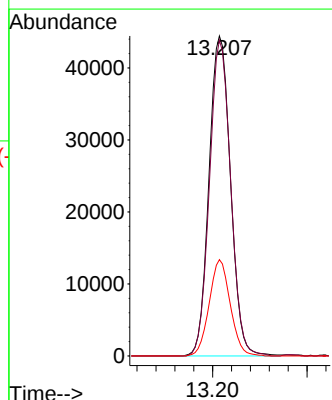
Tgt Ion:180 Resp: 70208

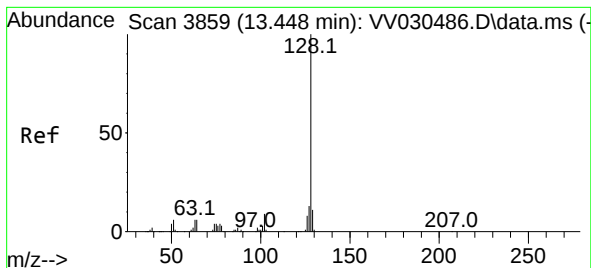
Ion Ratio Lower Upper

180 100

182 97.0 75.3 112.9

145 29.5 23.8 35.6





#71

Naphthalene

Concen: 4.010 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD005332

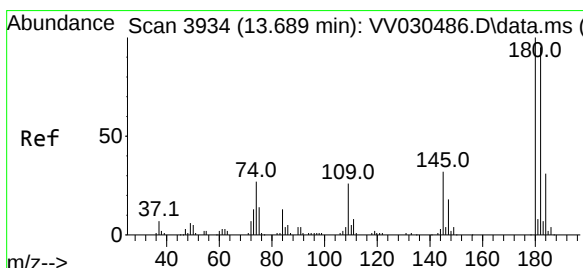
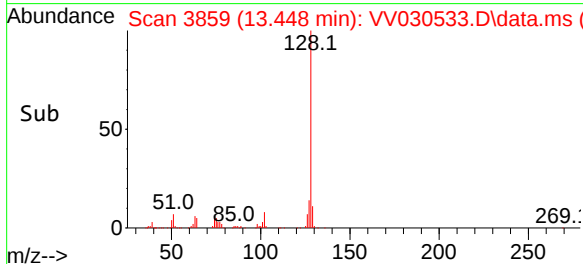
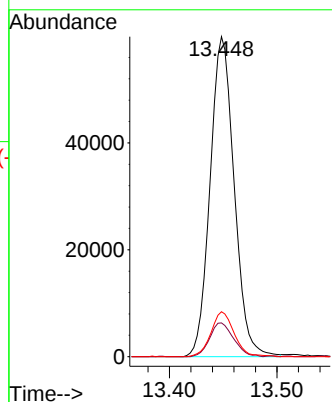
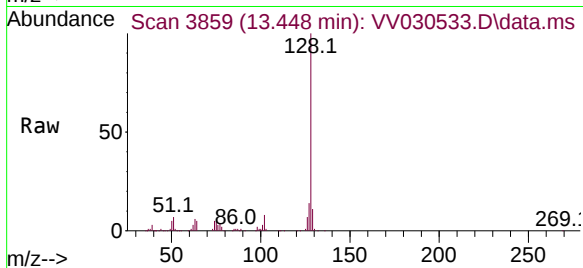
Tgt Ion:128 Resp: 93131

Ion Ratio Lower Upper

128 100

129 10.5 8.9 13.3

127 13.6 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 4.285 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030533.D

Acq: 13 Apr 2023 09:51

Tgt Ion:180 Resp: 60357

Ion Ratio Lower Upper

180 100

182 95.1 76.6 115.0

145 31.0 25.0 37.4

