

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041323\
 Data File : VW030558.D
 Acq On : 13 Apr 2023 20:28
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005333

Quant Time: Apr 14 05:25:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 14 05:16:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	125925	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	122581	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	67916	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	53470	6.411	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	128.200%
7) Chloroethane-d5	1.536	69	41316	5.105	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.000%
11) 1,1-Dichloroethene-d2	2.066	63	116380	5.881	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	117.600%
20) 2-Butanone-d5	3.818	46	101672	47.165	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.340%
24) Chloroform-d	4.262	84	92670	4.591	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	4.953	65	47389	4.976	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	4.973	84	163775	4.741	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	5.998	67	50408	4.661	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.252	98	156655	4.939	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
43) trans-1,3-Dichloroprop...	7.561	79	16989	4.172	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.034	63	79241	48.432	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.860%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	38683	4.538	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.800%
66) 1,2-Dichlorobenzene-d4	11.570	152	56806	4.680	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	60581	3.784	ug/L	98
3) Chloromethane	1.217	50	88089	4.361	ug/L	99
5) Vinyl chloride	1.285	62	62599	4.251	ug/L	100
6) Bromomethane	1.490	94	17593	4.189	ug/L	100
8) Chloroethane	1.555	64	38794	4.599	ug/L	100
9) Trichlorofluoromethane	1.716	101	101846	4.744	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	51680	4.362	ug/L	99
12) 1,1-Dichloroethene	2.076	96	68144	6.477	ug/L	89
13) Acetone	2.140	43	87929	42.656	ug/L	89
14) Carbon disulfide	2.246	76	132412	3.821	ug/L	99
15) Methyl Acetate	2.391	43	21262	5.772	ug/L	93
16) Methylene chloride	2.455	84	52754	4.239	ug/L	95
17) Methyl tert-butyl Ether	2.716	73	106753	4.791	ug/L	98
18) trans-1,2-Dichloroethene	2.703	96	46894	4.231	ug/L	97
19) 1,1-Dichloroethane	3.121	63	101621	4.729	ug/L	96
21) 2-Butanone	3.896	43	124085	47.826	ug/L	97
22) cis-1,2-Dichloroethene	3.825	96	52204	4.693	ug/L #	99
23) Bromochloromethane	4.162	128	24111	4.641	ug/L	98
25) Chloroform	4.288	83	104836	4.828	ug/L	94

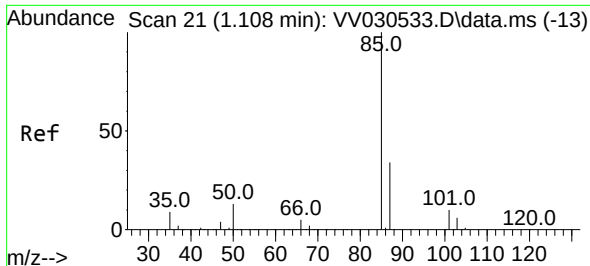
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	66394	5.057	ug/L	95
29) 1,1,1-Trichloroethane	4.523	97	184540	9.366	ug/L	99
30) Cyclohexane	4.593	56	76210	4.246	ug/L	99
31) Carbon tetrachloride	4.748	117	84382	4.720	ug/L	100
33) Benzene	5.021	78	204380	4.694	ug/L	100
34) Trichloroethene	5.844	95	53694	4.573	ug/L	97
35) Methylcyclohexane	6.059	83	73634	3.995	ug/L	99
37) 1,2-Dichloropropane	6.101	63	52919	4.734	ug/L	100
38) Bromodichloromethane	6.442	83	70123	4.791	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	59131	3.762	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	324453	55.086	ug/L	100
42) Toluene	7.323	91	222862	4.806	ug/L	97
44) trans-1,3-Dichloropropene	7.590	75	50137	3.749	ug/L	94
45) 1,1,2-Trichloroethane	7.780	97	38217	4.856	ug/L	98
47) Tetrachloroethene	7.915	164	44529	4.297	ug/L	97
48) 2-Hexanone	8.085	43	233913	53.028	ug/L	99
49) Dibromochloromethane	8.185	129	42545	4.541	ug/L	99
50) 1,2-Dibromoethane	8.291	107	35521	4.961	ug/L	96
51) Chlorobenzene	8.821	112	138607	4.668	ug/L	99
52) Ethylbenzene	8.956	91	229190	4.517	ug/L	99
53) m,p-Xylene	9.082	106	87283	4.494	ug/L	98
54) o-Xylene	9.487	106	84415	4.542	ug/L	98
55) Styrene	9.503	104	152091	4.818	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.188	83	46957	5.027	ug/L	95
59) Bromoform	9.673	173	26089	4.753	ug/L	96
60) Isopropylbenzene	9.876	105	230823	4.609	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	31622	5.208	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	179691	4.397	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	189543	4.551	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	116569	4.667	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	116707	4.638	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	106558	4.735	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	7675	5.082	ug/L	93
69) 1,3,5-Trichlorobenzene	12.593	180	82961	4.314	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	67056	4.516	ug/L	98
71) Naphthalene	13.448	128	101356	4.780	ug/L	100
72) 1,2,3-Trichlorobenzene	13.693	180	62358	4.848	ug/L	98

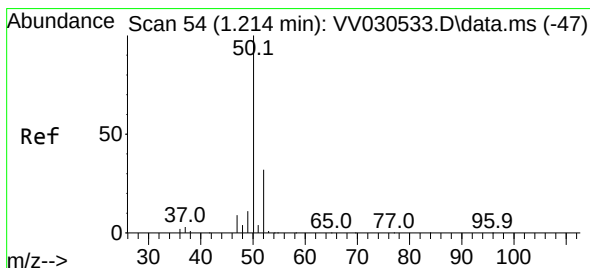
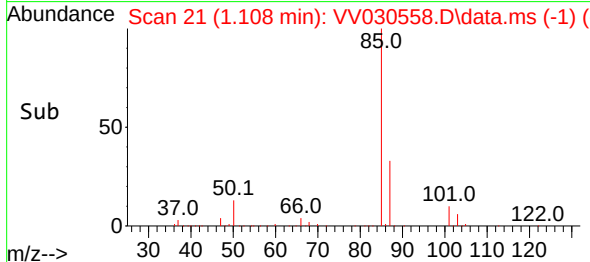
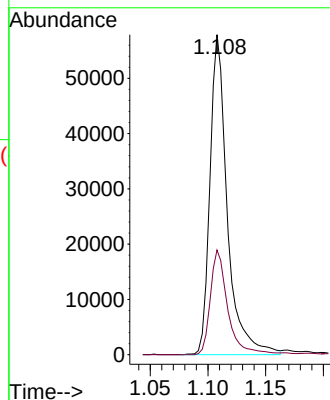
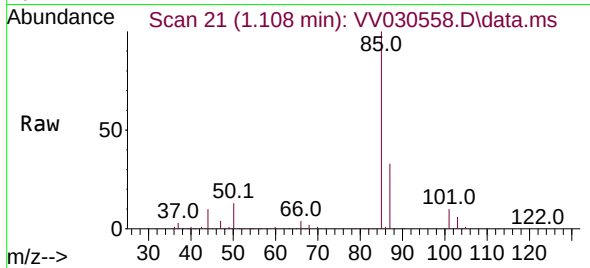
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#2
 Dichlorodifluoromethane
 Concen: 3.784 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030558.D
 Acq: 13 Apr 2023 20:28

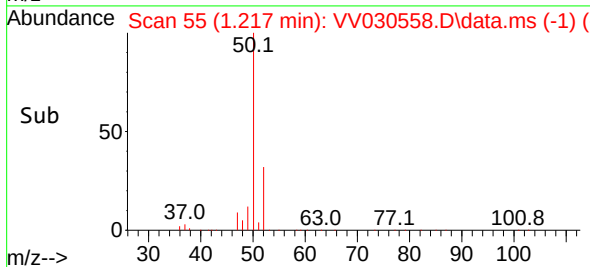
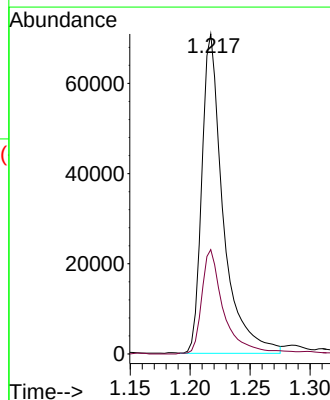
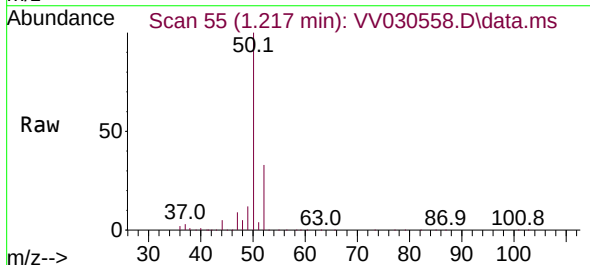
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005333

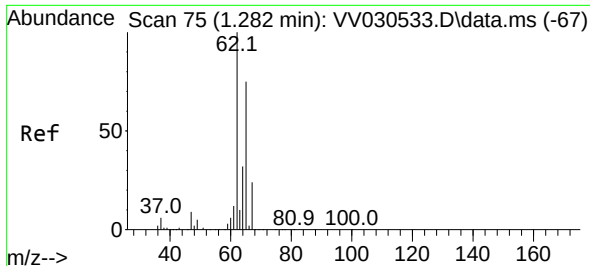
Tgt Ion: 85 Resp: 60581
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.6 38.4



#3
 Chloromethane
 Concen: 4.361 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV030558.D
 Acq: 13 Apr 2023 20:28

Tgt Ion: 50 Resp: 88089
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.3 41.5

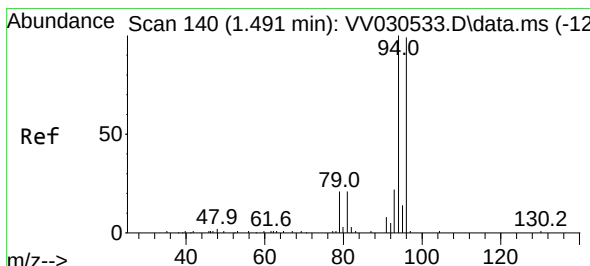
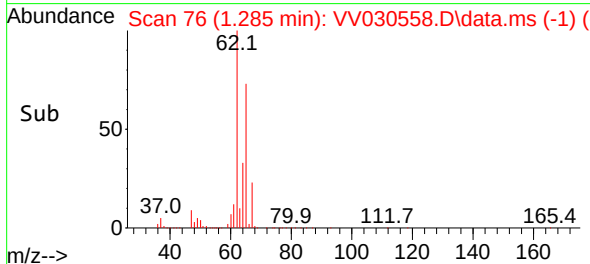
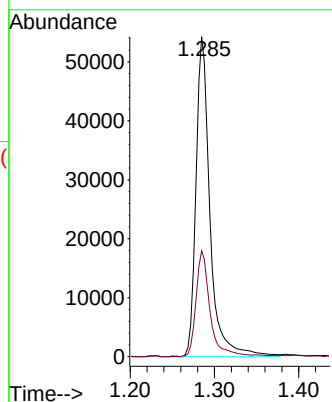
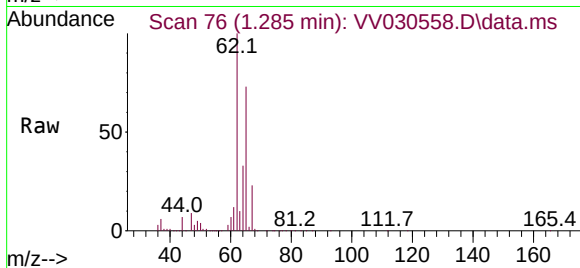




#5
 Vinyl chloride
 Concen: 4.251 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV030558.D
 Acq: 13 Apr 2023 20:28

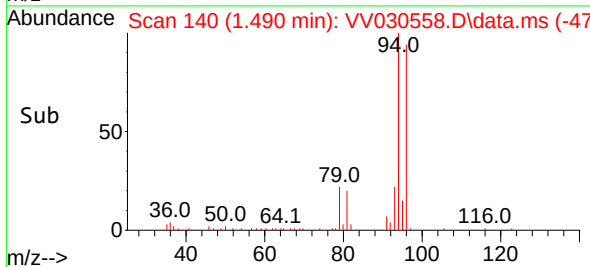
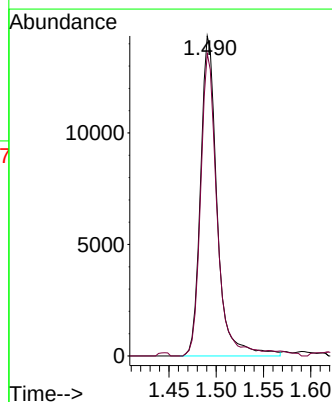
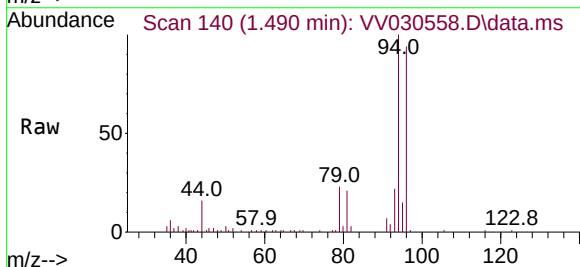
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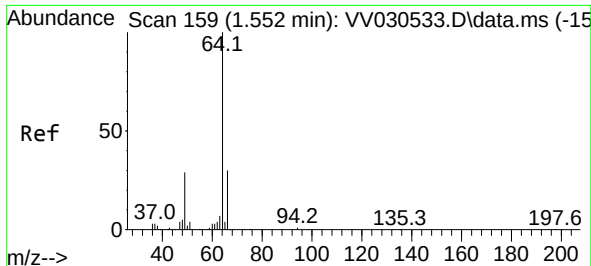
Tgt Ion: 62 Resp: 62599
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.2 43.2



#6
 Bromomethane
 Concen: 4.189 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV030558.D
 Acq: 13 Apr 2023 20:28

Tgt Ion: 94 Resp: 17593
 Ion Ratio Lower Upper
 94 100
 96 94.5 66.1 122.7

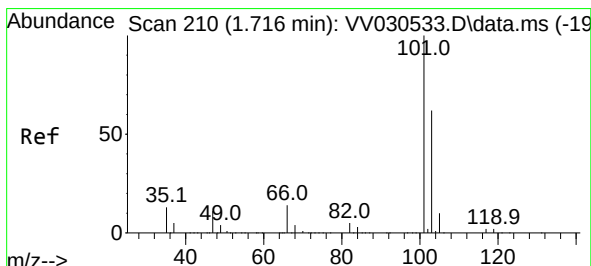
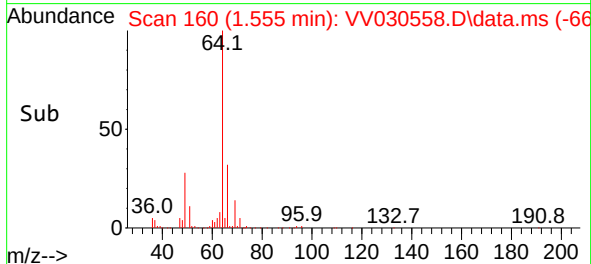
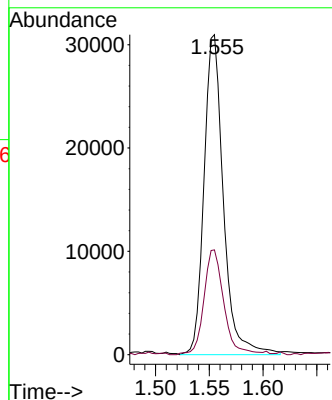
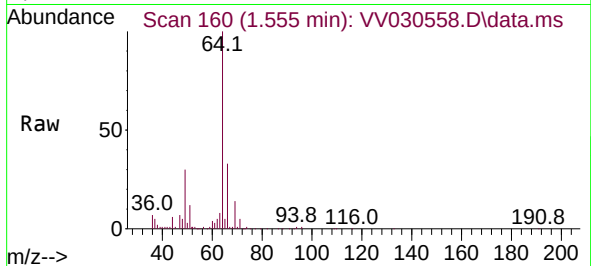




#8
Chloroethane
Concen: 4.599 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

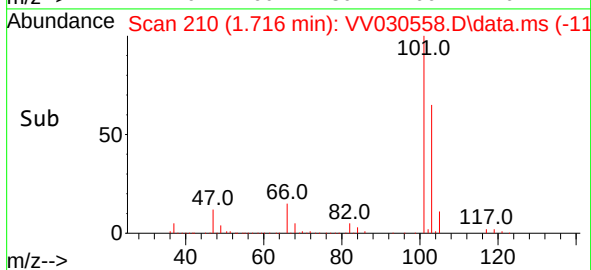
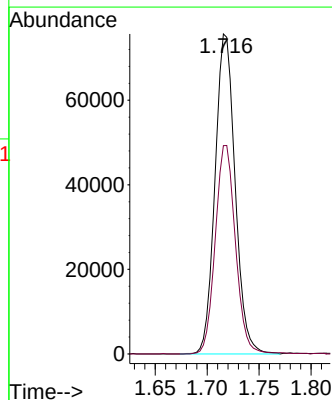
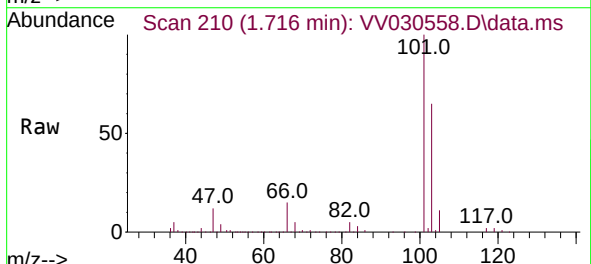
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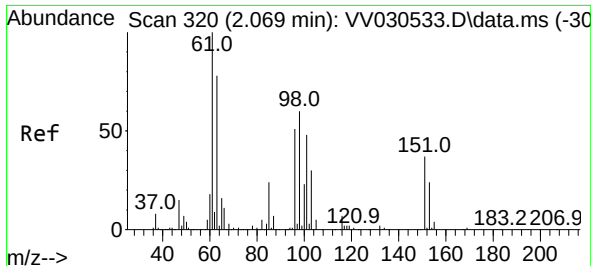
Tgt Ion: 64 Resp: 38794
Ion Ratio Lower Upper
64 100
66 32.8 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.744 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Tgt Ion: 101 Resp: 101846
Ion Ratio Lower Upper
101 100
103 65.6 51.0 76.6

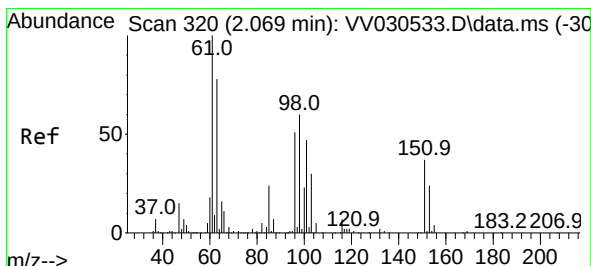
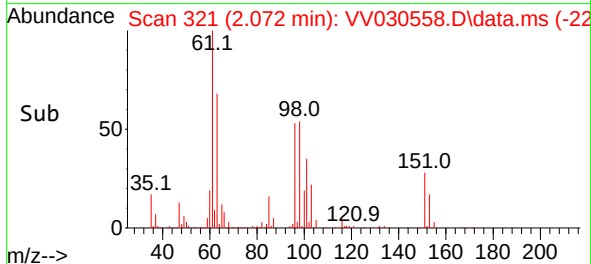
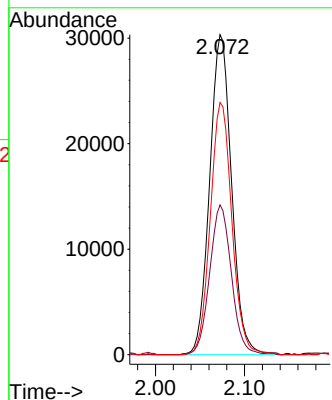
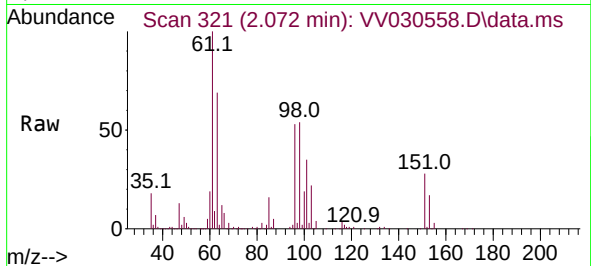




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.362 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV030558.D
 Acq: 13 Apr 2023 20:28

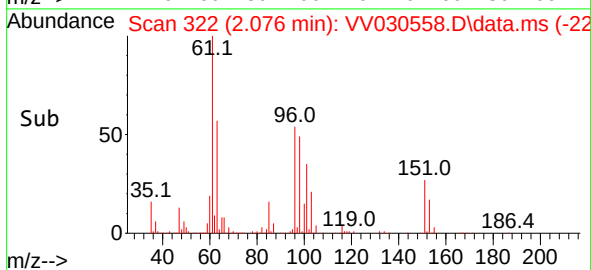
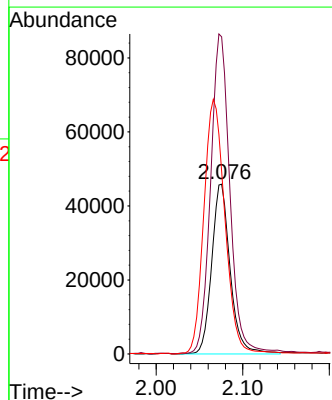
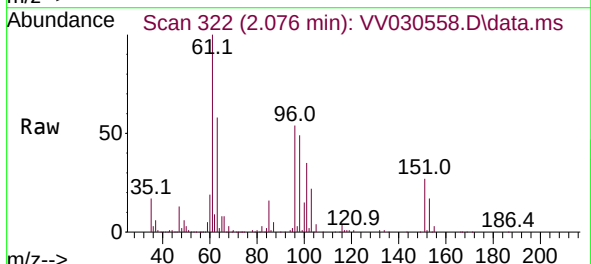
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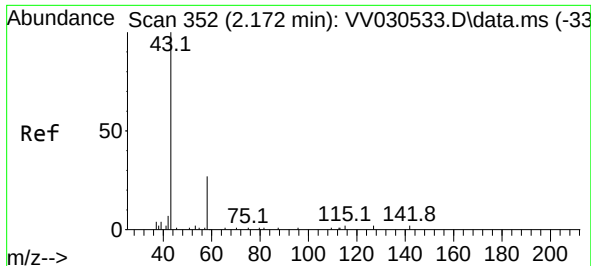
Tgt Ion:101 Resp: 51680
 Ion Ratio Lower Upper
 101 100
 85 46.3 38.1 57.1
 151 77.9 62.7 94.1



#12
 1,1-Dichloroethene
 Concen: 6.477 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.006 min
 Lab File: VV030558.D
 Acq: 13 Apr 2023 20:28

Tgt Ion: 96 Resp: 68144
 Ion Ratio Lower Upper
 96 100
 61 186.8 136.3 253.1
 63 107.6 92.1 171.1





#13

Acetone

Concen: 42.656 ug/L

RT: 2.140 min Scan# 34

Delta R.T. -0.032 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

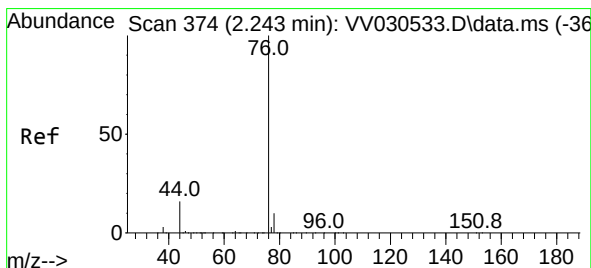
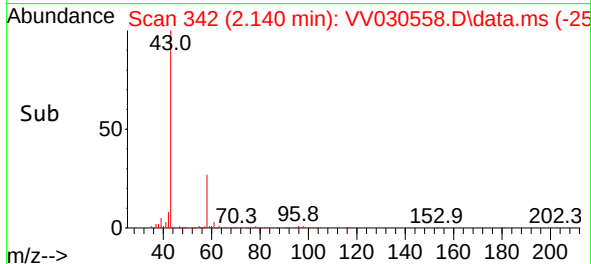
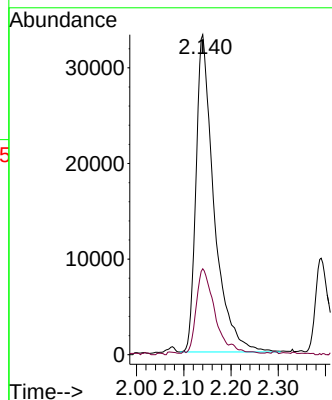
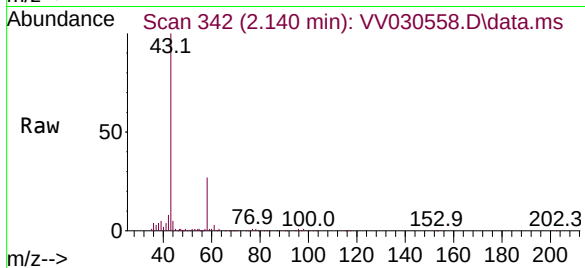
VSTD005333

Tgt Ion: 43 Resp: 87929

Ion Ratio Lower Upper

43 100

58 25.7 0.0 40.8



#14

Carbon disulfide

Concen: 3.821 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.003 min

Lab File: VV030558.D

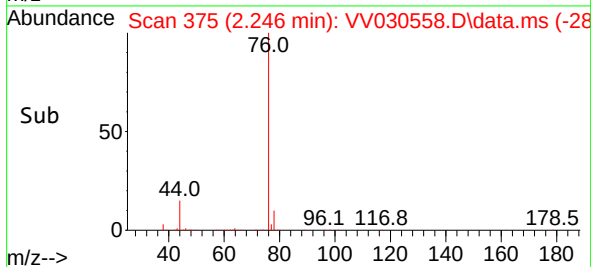
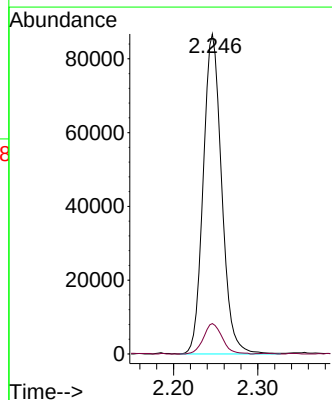
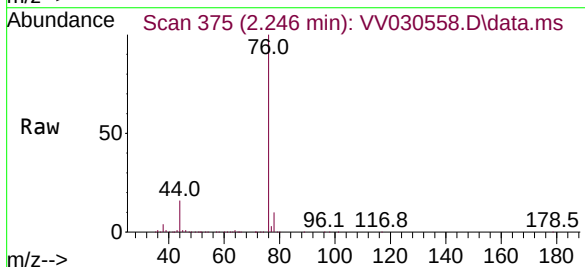
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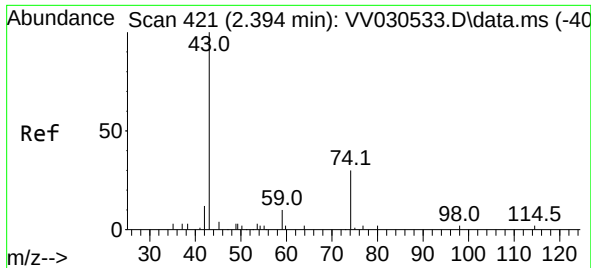
Tgt Ion: 76 Resp: 132412

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

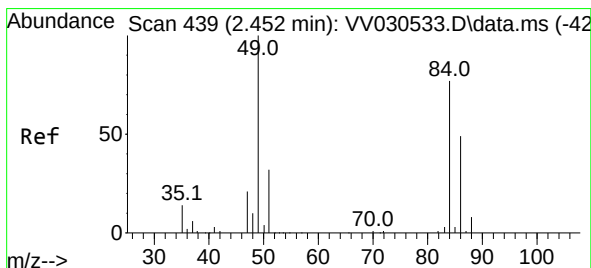
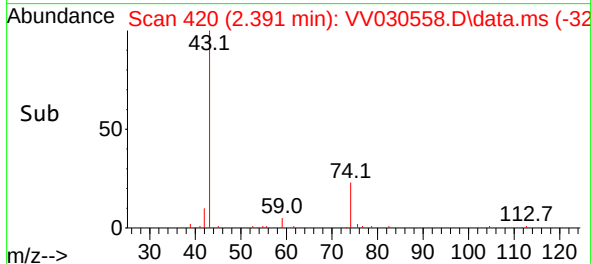
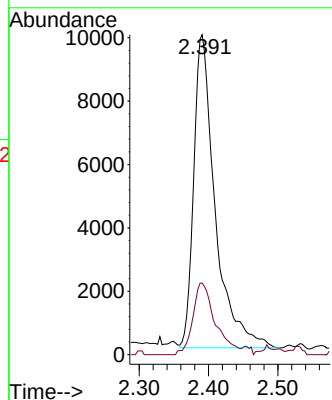
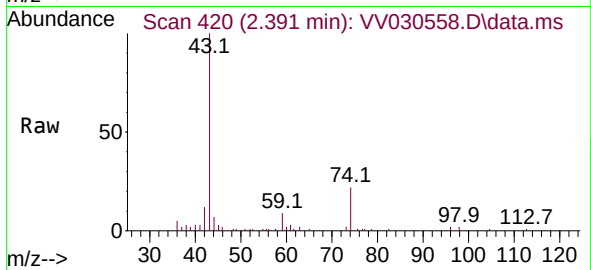




#15
Methyl Acetate
Concen: 5.772 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

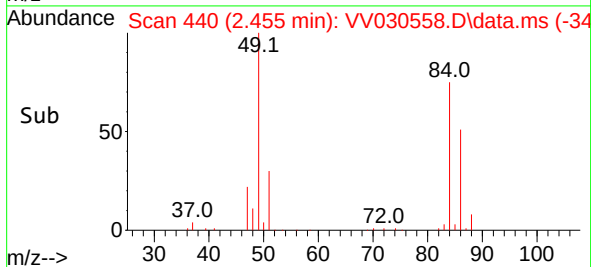
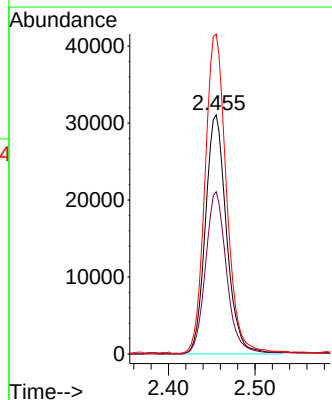
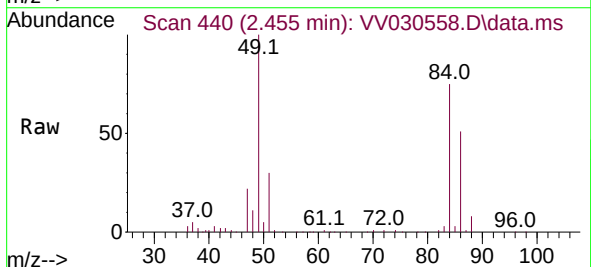
Instrument :
MSVOA_V
ClientSampleId :
VSTD005333

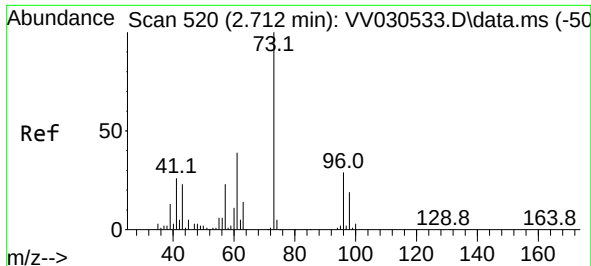
Tgt Ion: 43 Resp: 21262
Ion Ratio Lower Upper
43 100
74 23.9 22.1 33.1



#16
Methylene chloride
Concen: 4.239 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Tgt Ion: 84 Resp: 52754
Ion Ratio Lower Upper
84 100
86 67.9 44.0 81.6
49 133.8 90.6 168.3

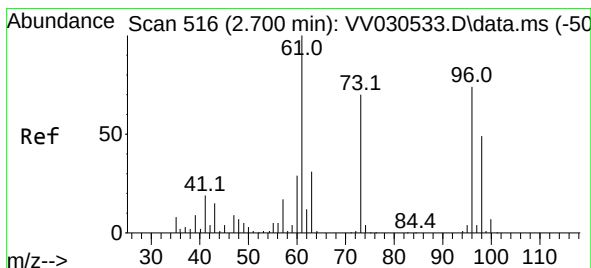
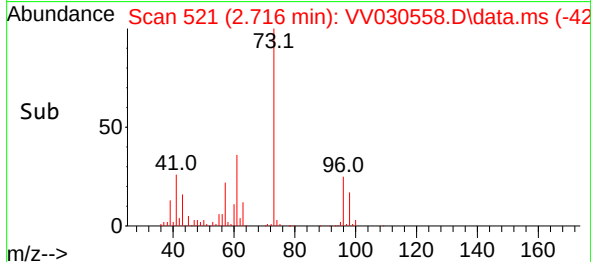
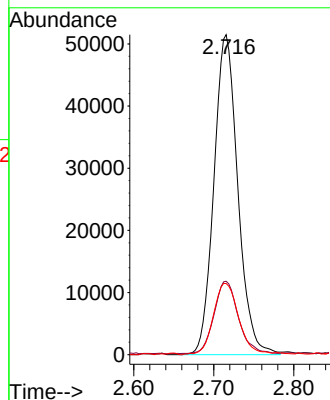
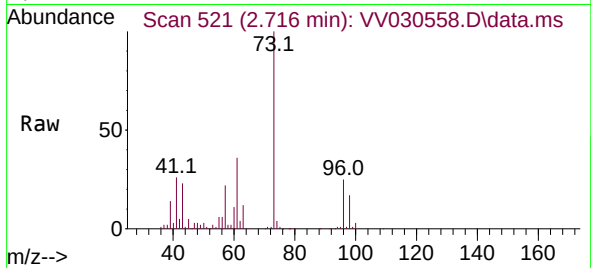




#17
Methyl tert-butyl Ether
Concen: 4.791 ug/L
RT: 2.716 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

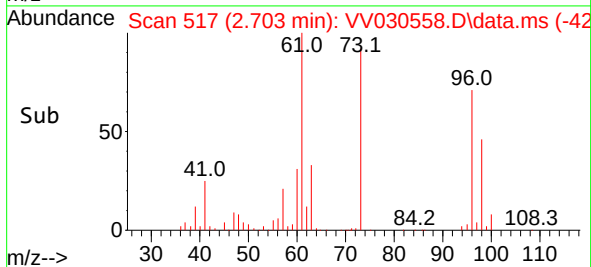
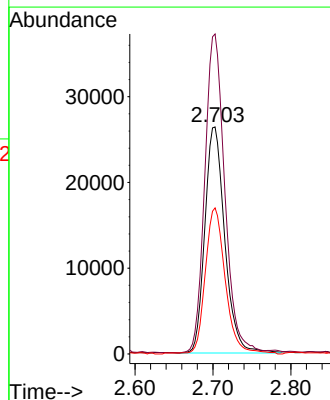
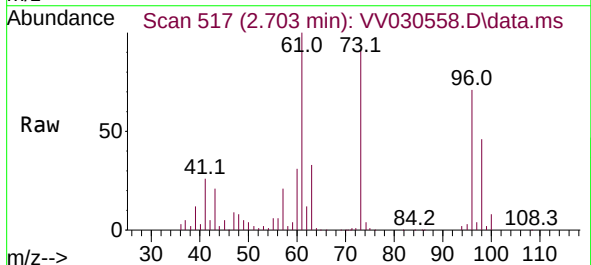
Instrument :
MSVOA_V
ClientSampleId :
VSTD005333

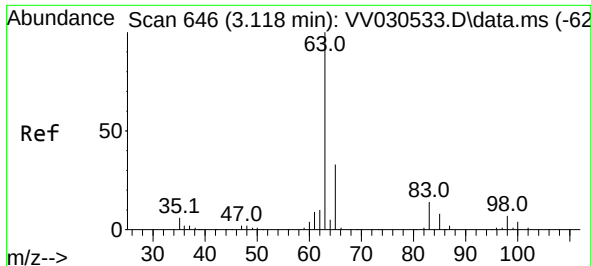
Tgt Ion: 73 Resp: 106753
Ion Ratio Lower Upper
73 100
43 23.3 17.4 26.2
57 23.6 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.231 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Tgt Ion: 96 Resp: 46894
Ion Ratio Lower Upper
96 100
61 140.9 101.7 188.9
98 64.4 45.8 85.2





#19

1,1-Dichloroethane

Concen: 4.729 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005333

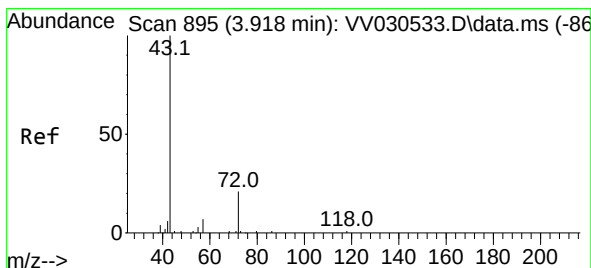
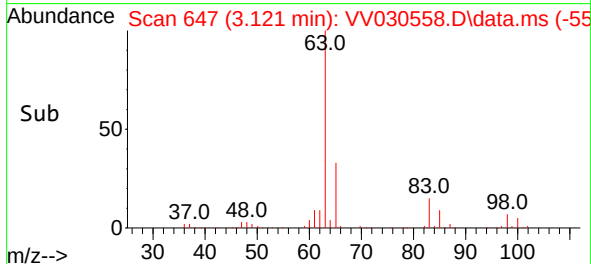
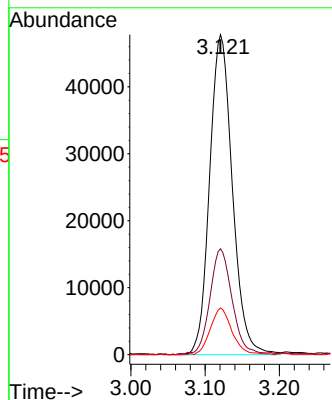
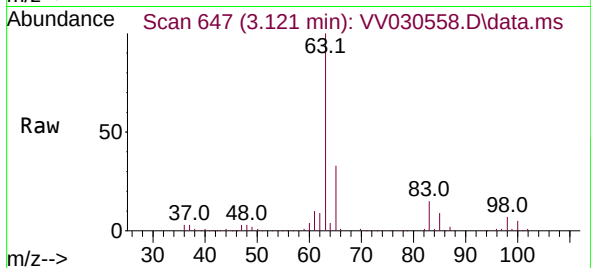
Tgt Ion: 63 Resp: 101621

Ion Ratio Lower Upper

63 100

65 33.1 21.7 40.3

83 14.6 9.1 16.9



#21

2-Butanone

Concen: 47.826 ug/L

RT: 3.896 min Scan# 888

Delta R.T. -0.023 min

Lab File: VV030558.D

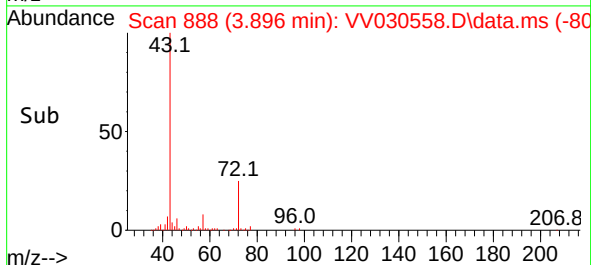
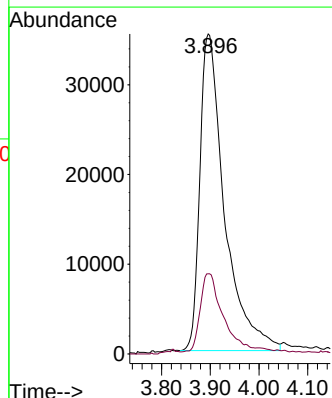
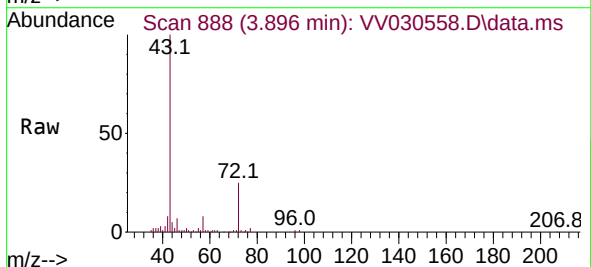
Acq: 13 Apr 2023 20:28

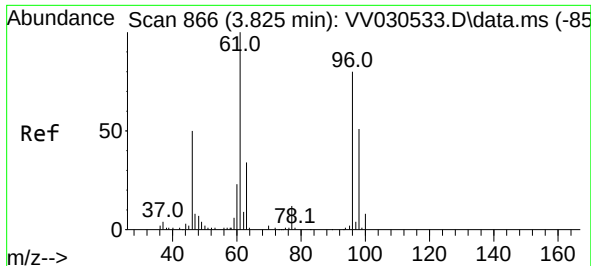
Tgt Ion: 43 Resp: 124085

Ion Ratio Lower Upper

43 100

72 23.8 11.2 33.5

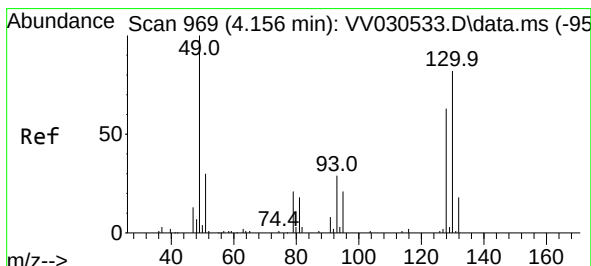
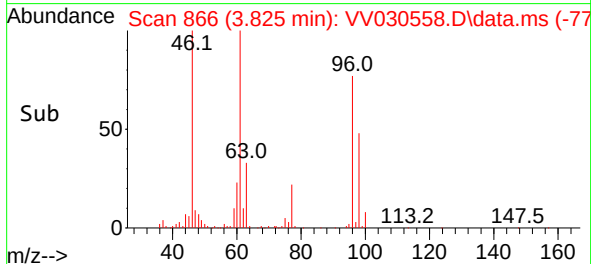
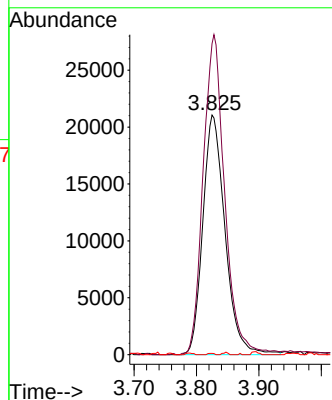
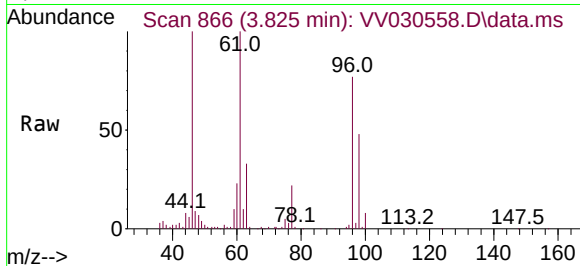




#22
 cis-1,2-Dichloroethene
 Concen: 4.693 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. -0.000 min
 Lab File: VV030558.D
 Acq: 13 Apr 2023 20:28

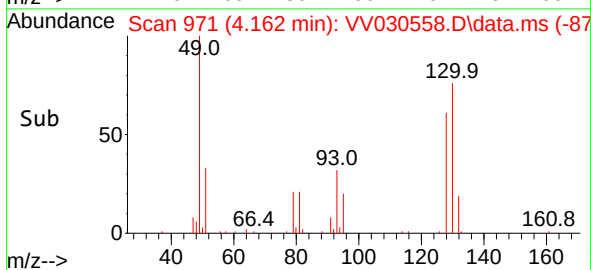
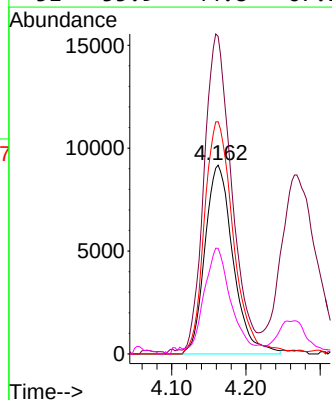
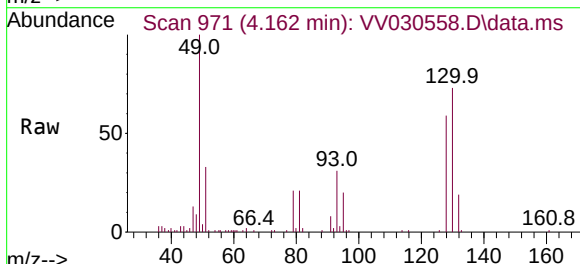
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005333

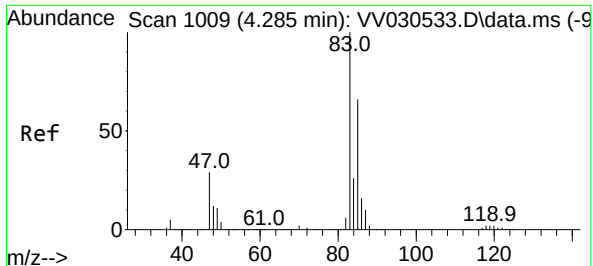
Tgt Ion: 96 Resp: 52204
 Ion Ratio Lower Upper
 96 100
 61 129.8 92.0 170.8
 68 0.6 0.0 0.0#



#23
 Bromochloromethane
 Concen: 4.641 ug/L
 RT: 4.162 min Scan# 971
 Delta R.T. 0.006 min
 Lab File: VV030558.D
 Acq: 13 Apr 2023 20:28

Tgt Ion: 128 Resp: 24111
 Ion Ratio Lower Upper
 128 100
 49 168.2 119.4 221.8
 130 123.0 89.2 165.8
 51 55.9 44.8 67.2

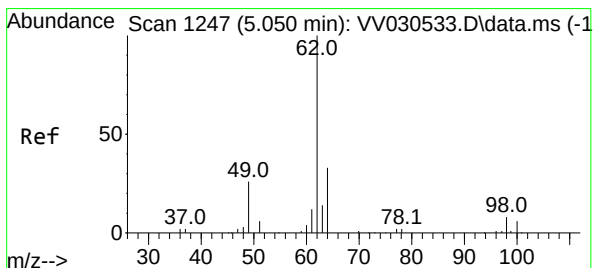
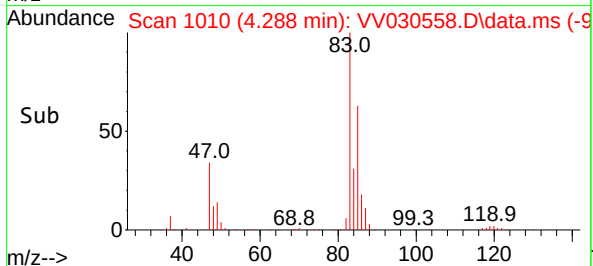
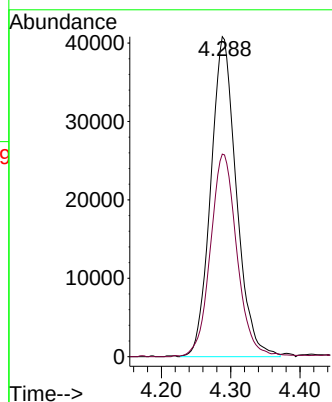
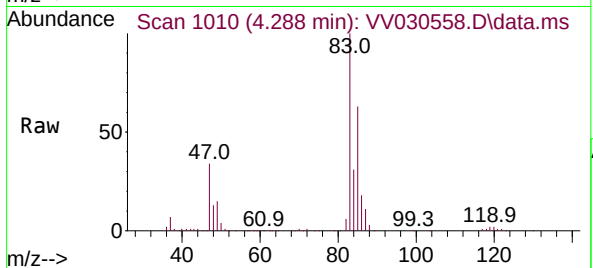




#25
Chloroform
Concen: 4.828 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

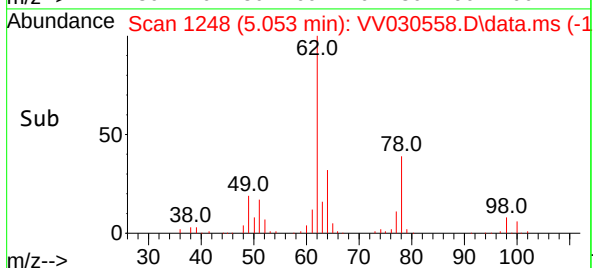
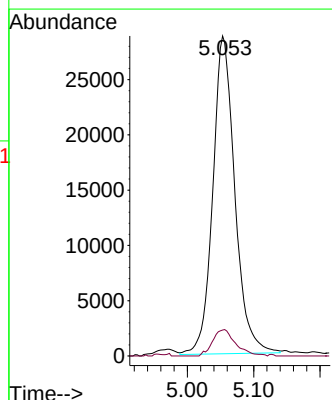
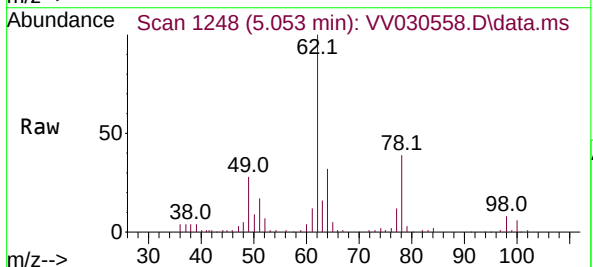
Instrument :
MSVOA_V
ClientSampleId :
VSTD005333

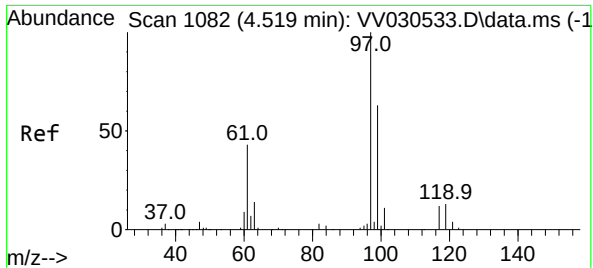
Tgt Ion: 83 Resp: 104836
Ion Ratio Lower Upper
83 100
85 63.3 47.6 88.4



#27
1,2-Dichloroethane
Concen: 5.057 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Tgt Ion: 62 Resp: 66394
Ion Ratio Lower Upper
62 100
98 8.1 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 9.366 ug/L

RT: 4.523 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005333

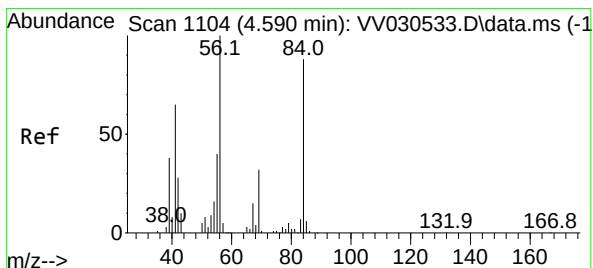
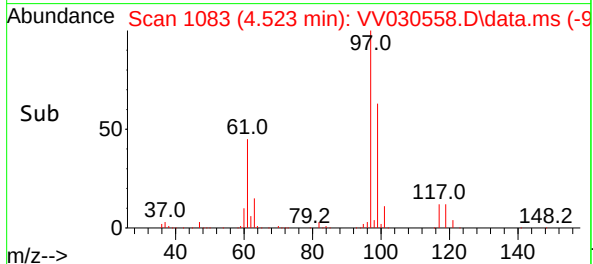
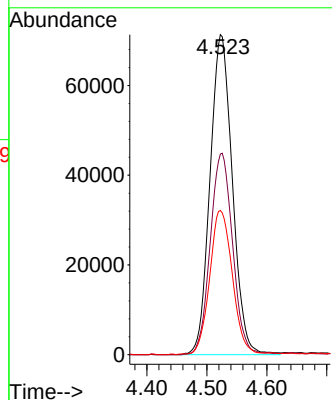
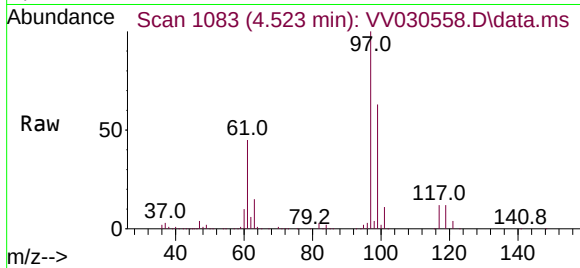
Tgt Ion: 97 Resp: 184540

Ion Ratio Lower Upper

97 100

99 63.1 50.9 76.3

61 45.2 35.9 53.9



#30

Cyclohexane

Concen: 4.246 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

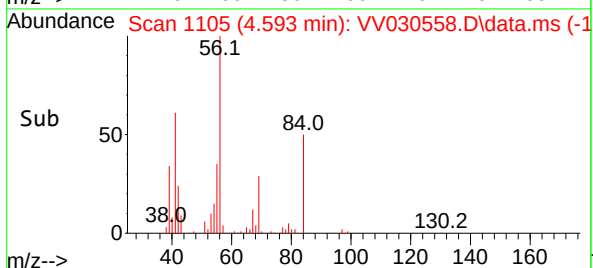
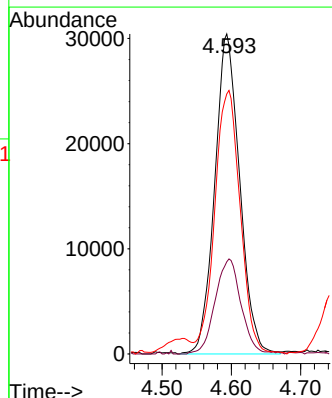
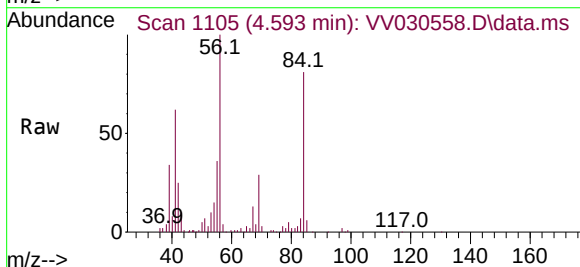
Tgt Ion: 56 Resp: 76210

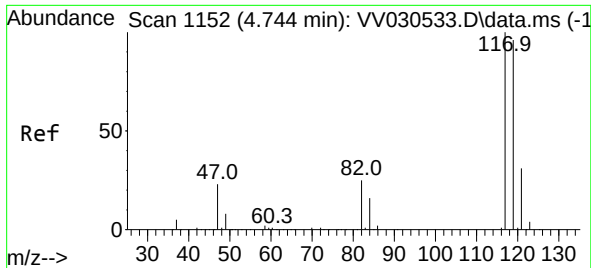
Ion Ratio Lower Upper

56 100

69 30.7 24.2 36.2

84 84.4 66.6 100.0

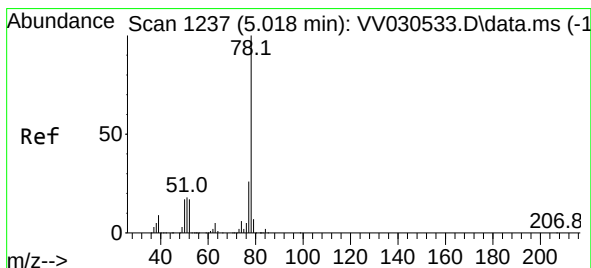
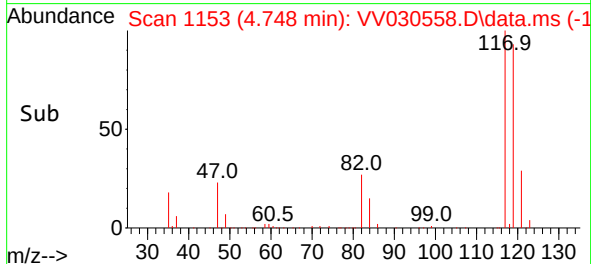
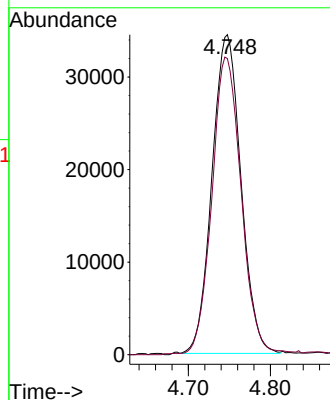
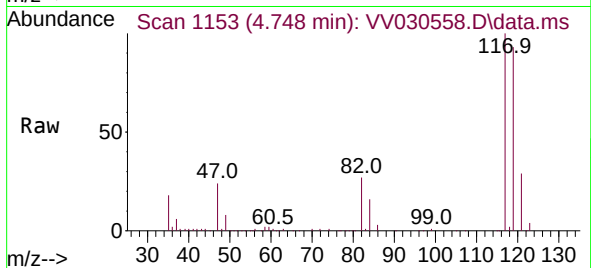




#31
Carbon tetrachloride
Concen: 4.720 ug/L
RT: 4.748 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

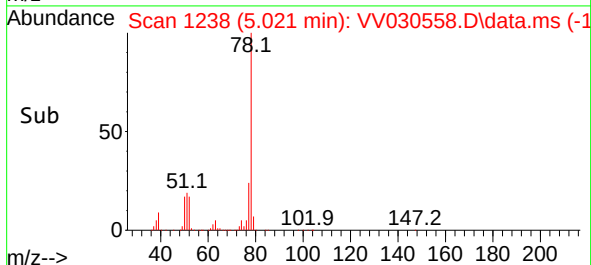
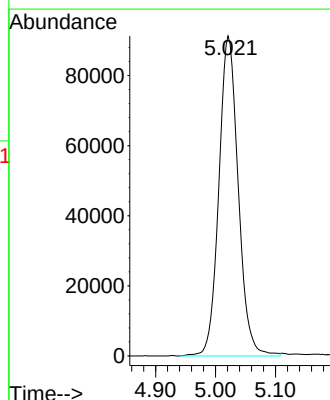
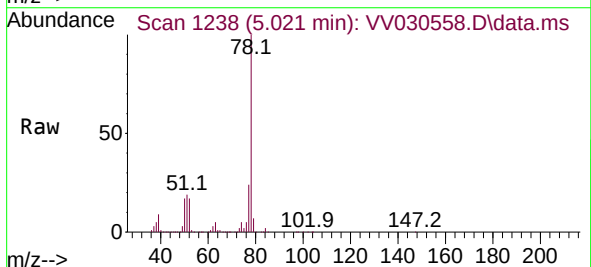
Instrument :
MSVOA_V
ClientSampleId :
VSTD005333

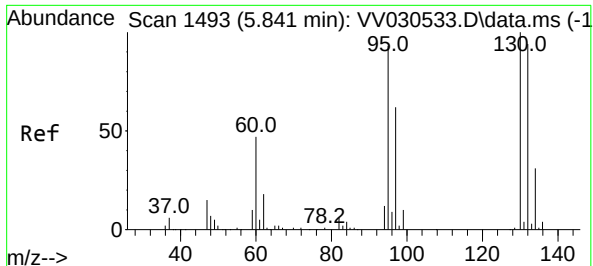
Tgt Ion:117 Resp: 84382
Ion Ratio Lower Upper
117 100
119 95.0 76.2 114.4



#33
Benzene
Concen: 4.694 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Tgt Ion: 78 Resp: 204380



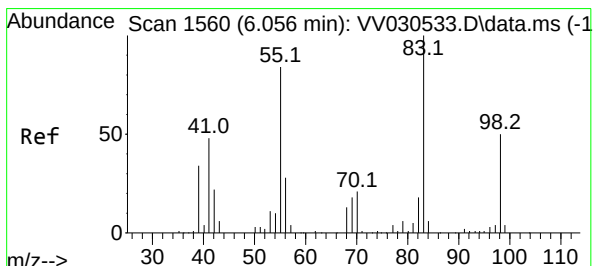
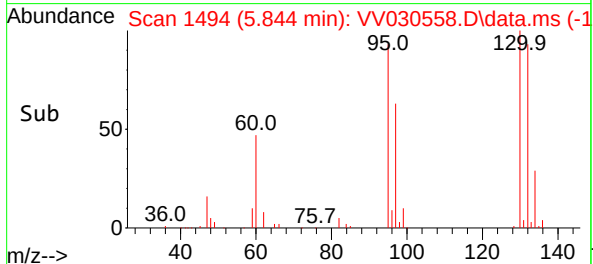
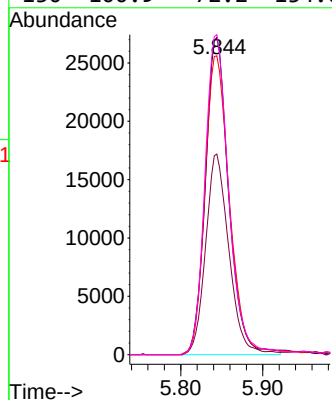
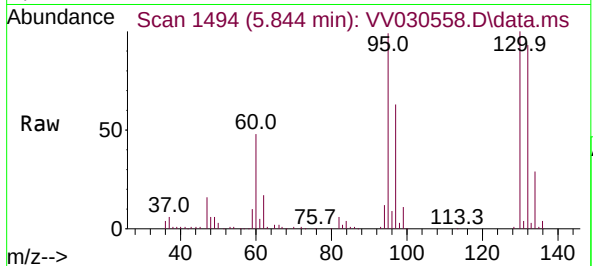


#34
Trichloroethene
Concen: 4.573 ug/L
RT: 5.844 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD005333

Tgt Ion: 95 Resp: 53694

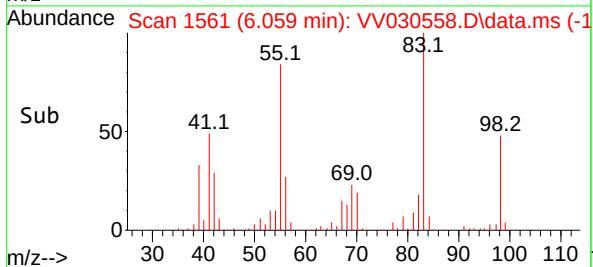
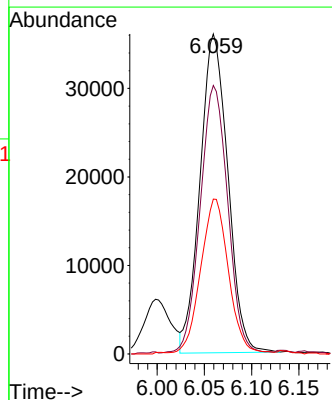
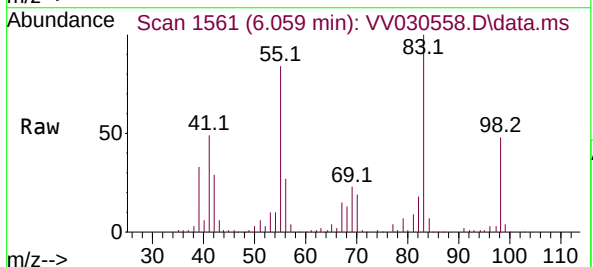
Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.2	82.2
132	94.2	69.5	129.1
130	100.9	72.2	134.0

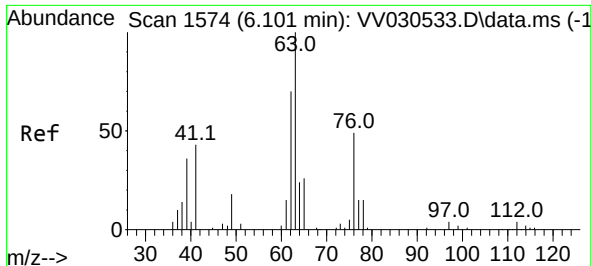


#35
Methylcyclohexane
Concen: 3.995 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Tgt Ion: 83 Resp: 73634

Ion	Ratio	Lower	Upper
83	100		
55	83.1	66.6	100.0
98	47.5	38.6	58.0





#37

1,2-Dichloropropane

Concen: 4.734 ug/L

RT: 6.101 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

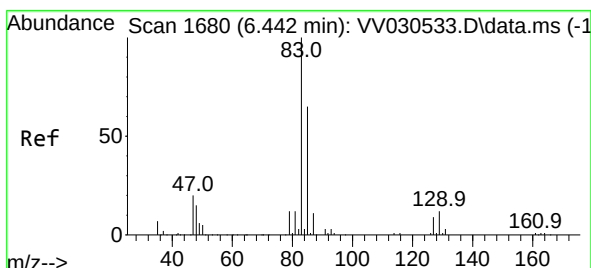
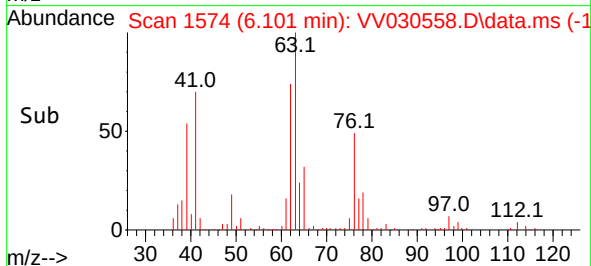
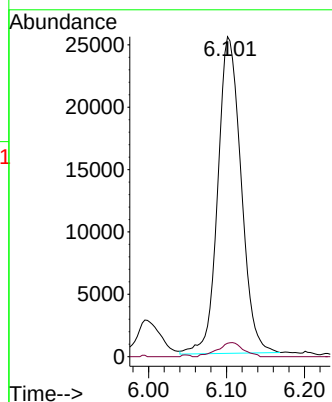
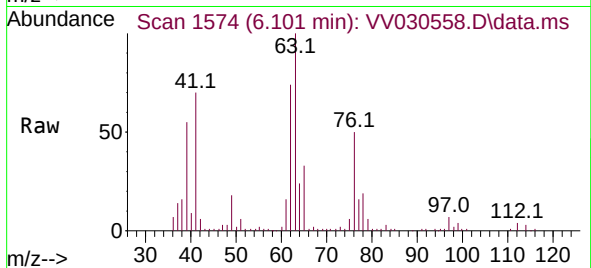
VSTD005333

Tgt Ion: 63 Resp: 52919

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



#38

Bromodichloromethane

Concen: 4.791 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

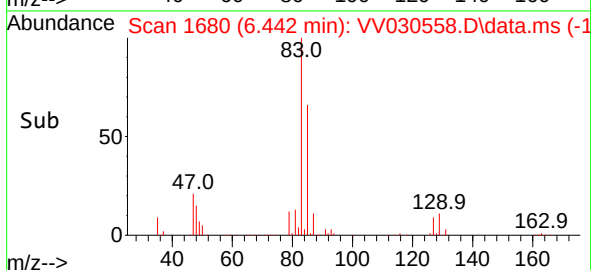
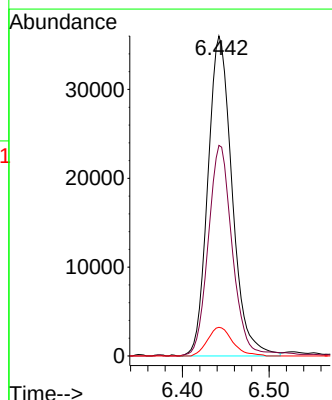
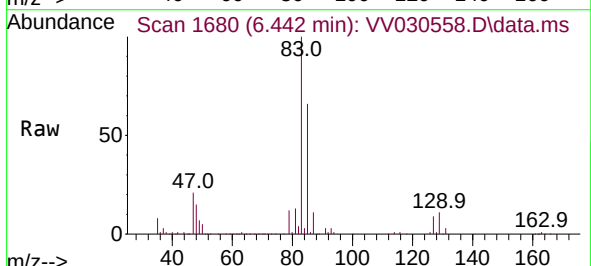
Tgt Ion: 83 Resp: 70123

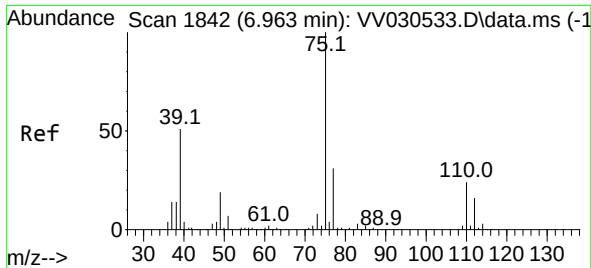
Ion Ratio Lower Upper

83 100

85 65.8 45.3 84.1

127 9.0 7.0 10.4

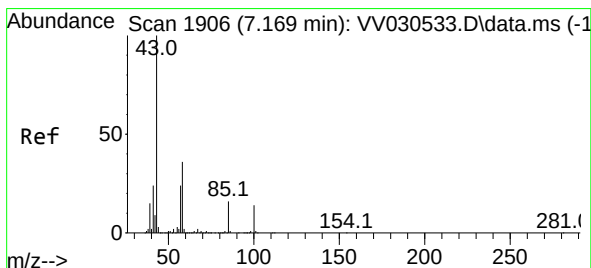
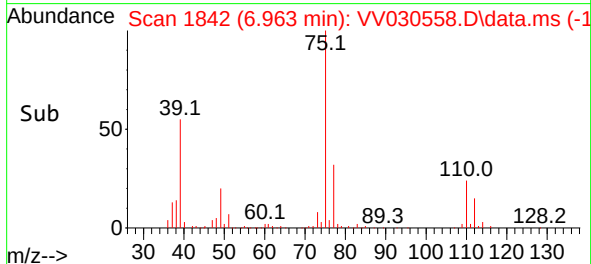
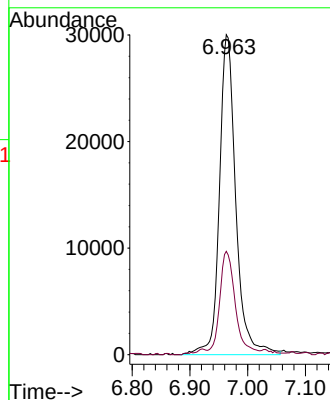
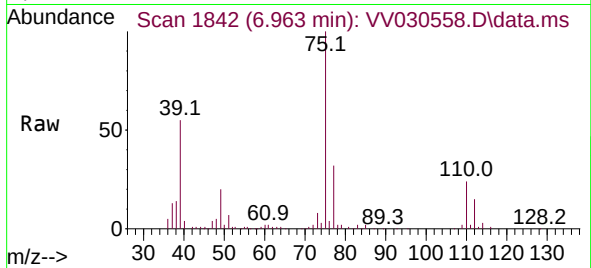




#39
 cis-1,3-Dichloropropene
 Concen: 3.762 ug/L
 RT: 6.963 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: VV030558.D
 Acq: 13 Apr 2023 20:28

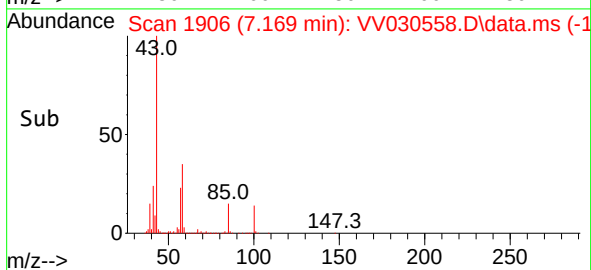
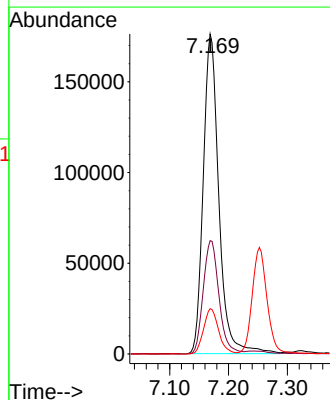
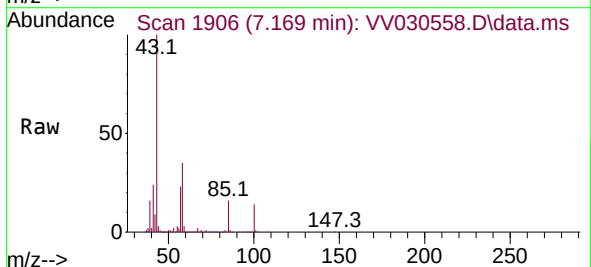
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005333

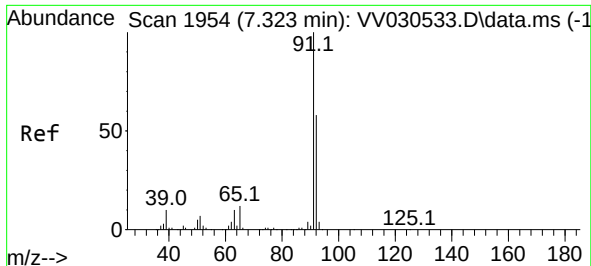
Tgt Ion: 75 Resp: 59131
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 55.086 ug/L
 RT: 7.169 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VV030558.D
 Acq: 13 Apr 2023 20:28

Tgt Ion: 43 Resp: 324453
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.8 43.2
 100 13.7 10.7 16.1





#42

Toluene

Concen: 4.806 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

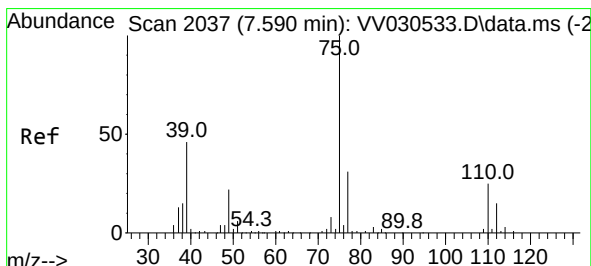
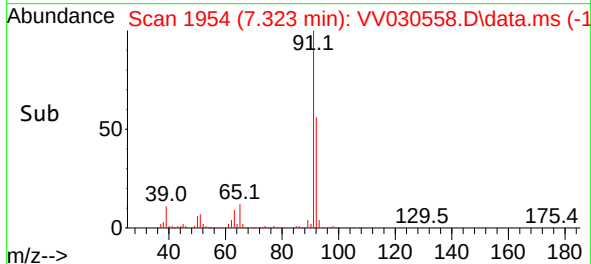
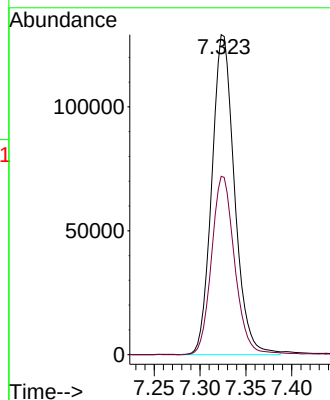
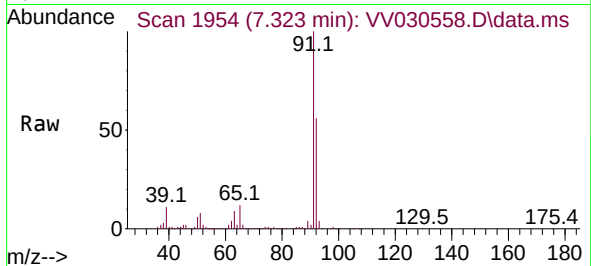
VSTD005333

Tgt Ion: 91 Resp: 222862

Ion Ratio Lower Upper

91 100

92 55.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 3.749 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV030558.D

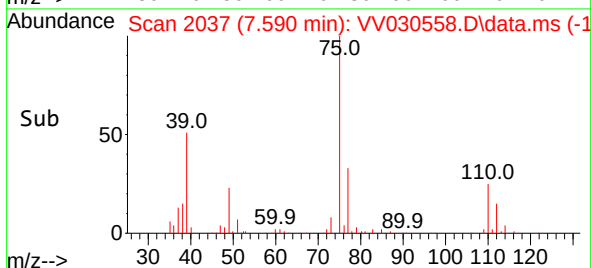
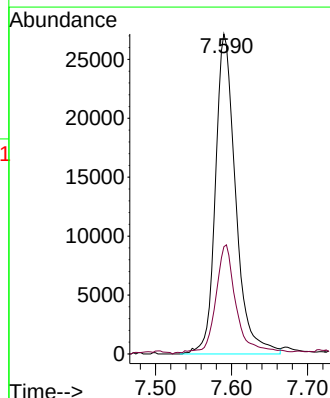
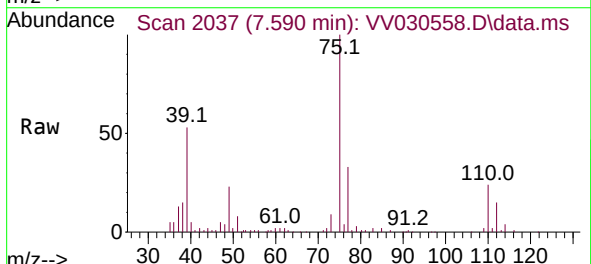
Acq: 13 Apr 2023 20:28

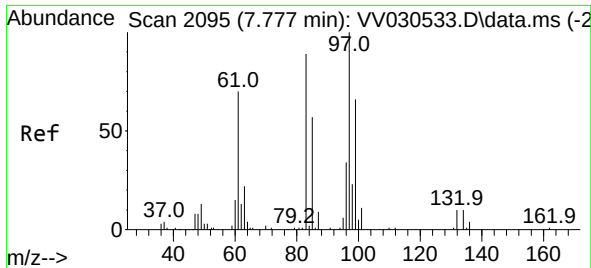
Tgt Ion: 75 Resp: 50137

Ion Ratio Lower Upper

75 100

77 33.5 21.2 39.4

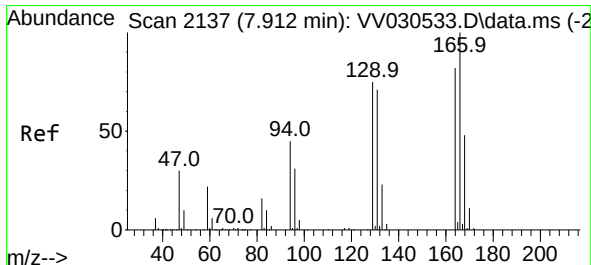
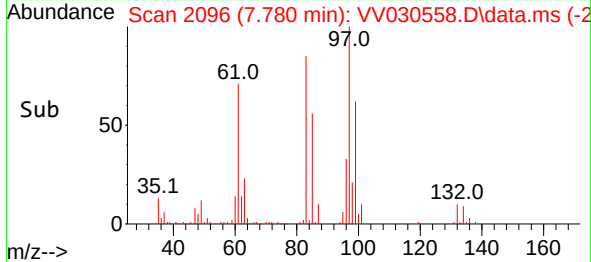
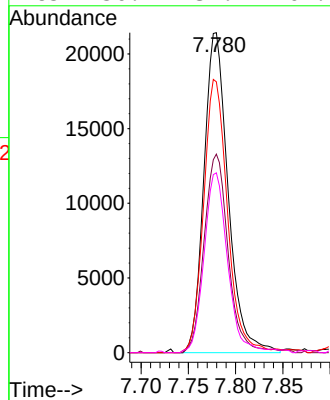
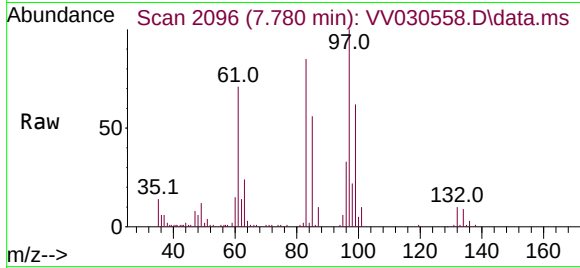




#45
1,1,2-Trichloroethane
Concen: 4.856 ug/L
RT: 7.780 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

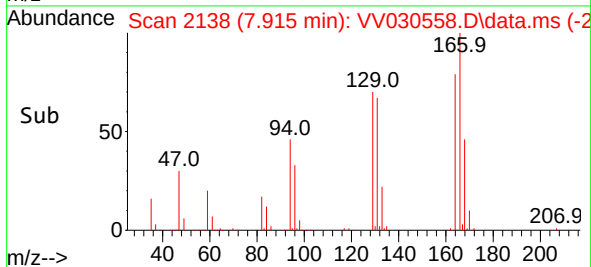
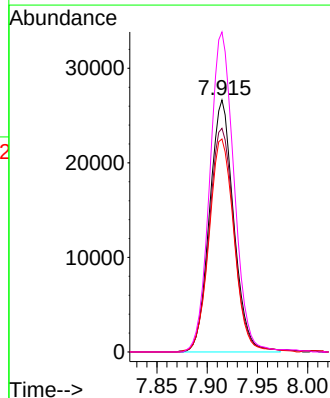
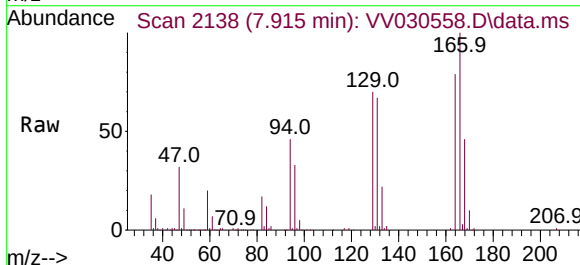
Instrument :
MSVOA_V
ClientSampleId :
VSTD005333

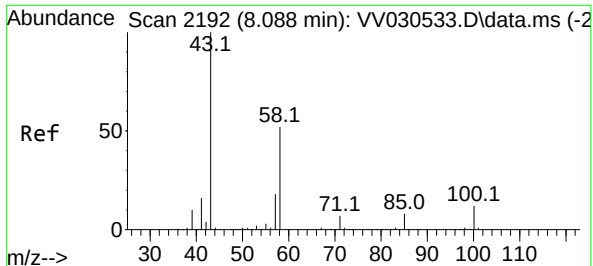
Tgt Ion: 97	Resp: 38217
Ion Ratio	Lower Upper
97 100	
99 62.1	44.0 81.8
83 84.7	58.8 109.2
85 56.2	37.2 69.0



#47
Tetrachloroethene
Concen: 4.297 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Tgt	Ion:164	Resp:	44529
Ion	Ratio	Lower	Upper
164	100		
129	88.7	60.8	112.8
131	84.5	61.7	114.7
166	126.9	85.6	159.0



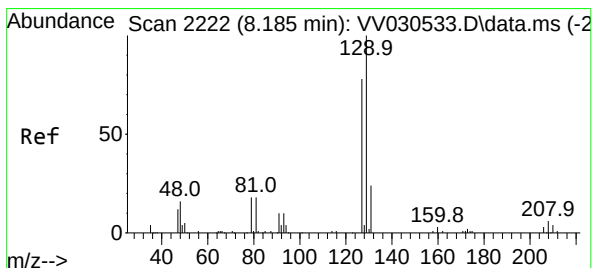
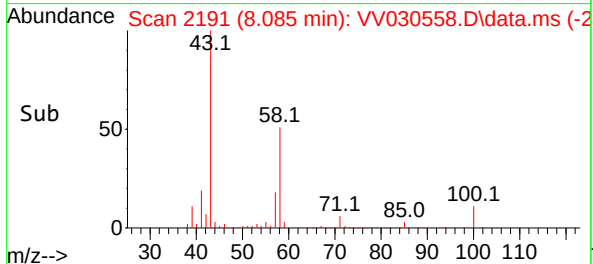
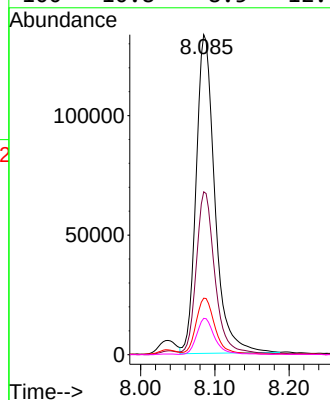
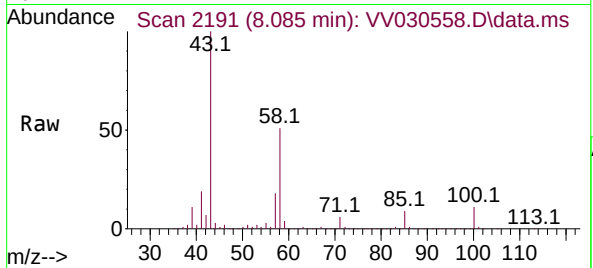


#48
2-Hexanone
Concen: 53.028 ug/L
RT: 8.085 min Scan# 2192
Delta R.T. -0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD005333

Tgt Ion: 43 Resp: 233913

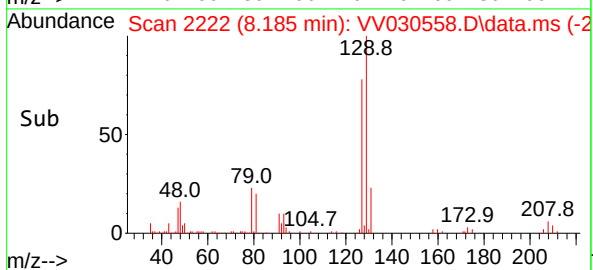
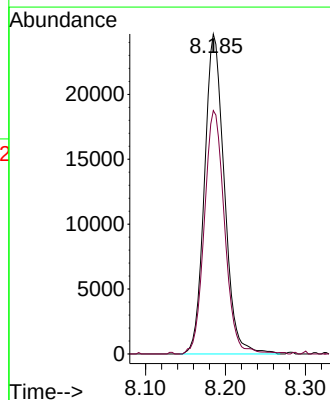
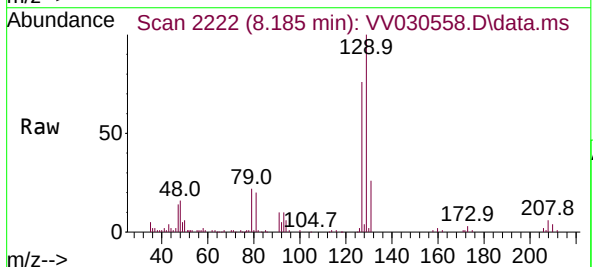
Ion	Ratio	Lower	Upper
43	100		
58	50.7	40.3	60.5
57	17.9	14.6	22.0
100	10.8	8.5	12.7

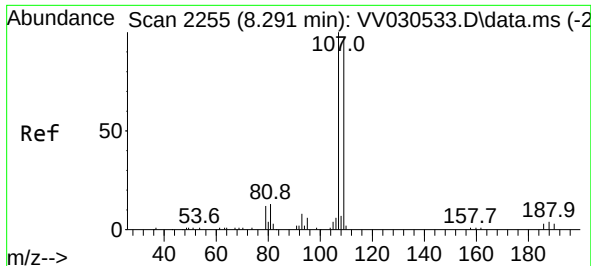


#49
Dibromochloromethane
Concen: 4.541 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Tgt Ion: 129 Resp: 42545

Ion	Ratio	Lower	Upper
129	100		
127	76.1	52.7	97.9





#50

1,2-Dibromoethane

Concen: 4.961 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005333

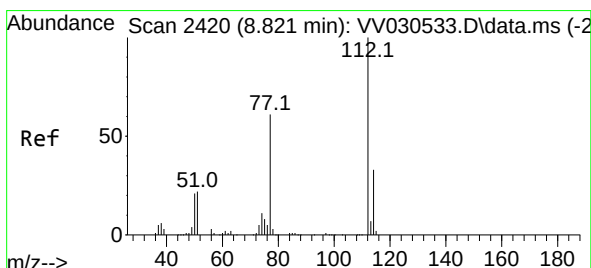
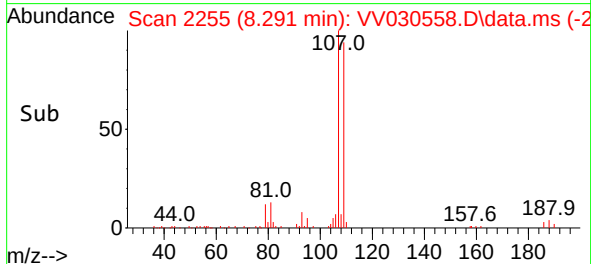
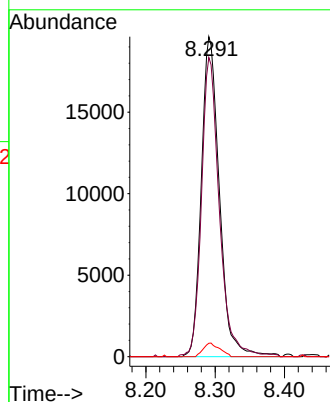
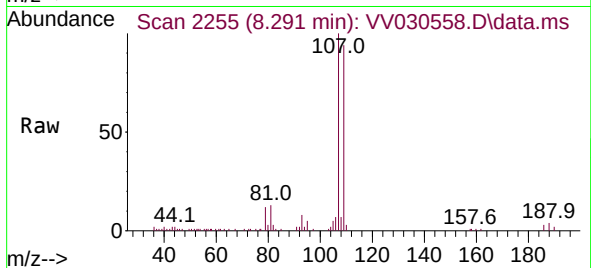
Tgt Ion:107 Resp: 35521

Ion Ratio Lower Upper

107 100

109 93.5 62.9 116.9

188 4.2 3.0 4.6



#51

Chlorobenzene

Concen: 4.668 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

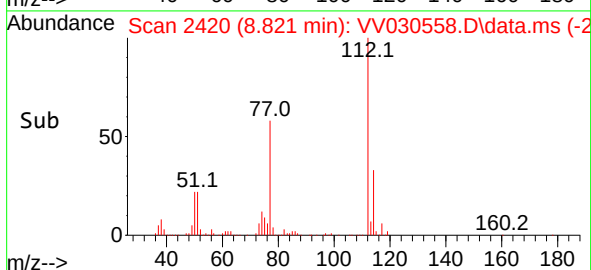
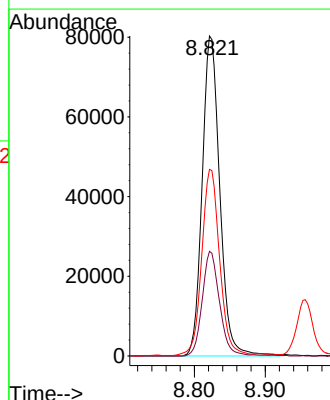
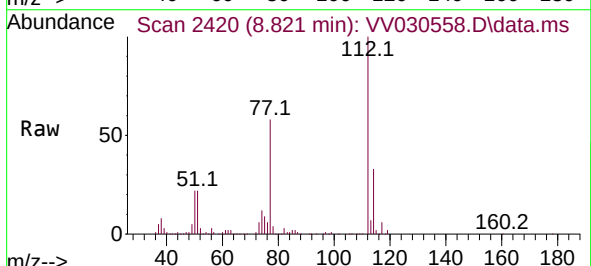
Tgt Ion:112 Resp: 138607

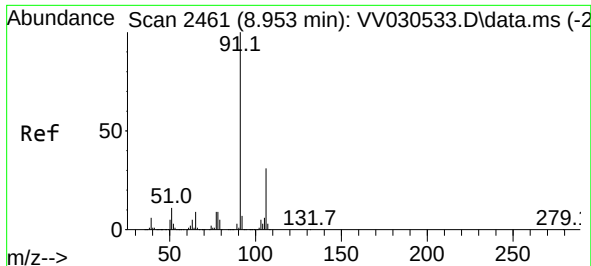
Ion Ratio Lower Upper

112 100

114 32.7 22.4 41.6

77 58.3 45.9 68.9

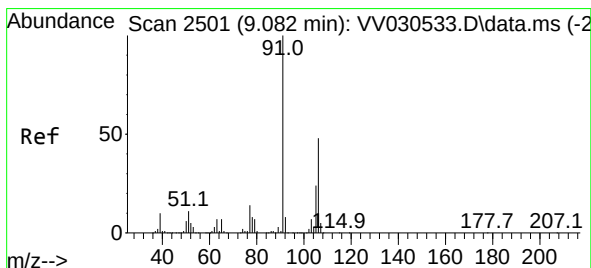
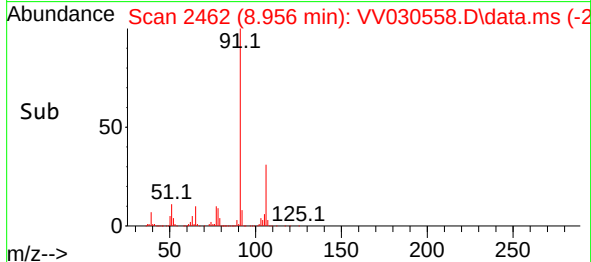
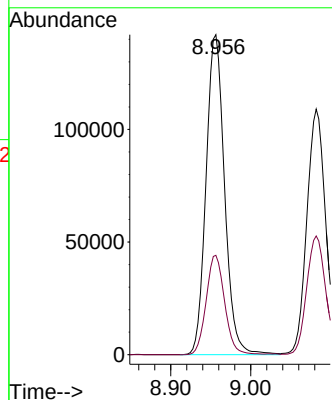
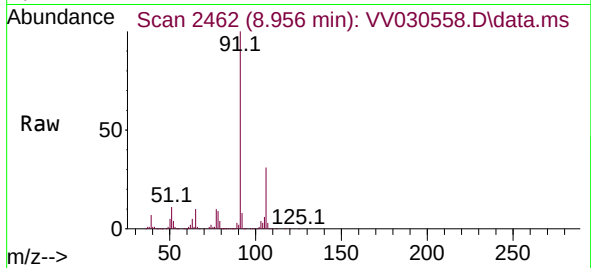




#52
Ethylbenzene
Concen: 4.517 ug/L
RT: 8.956 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

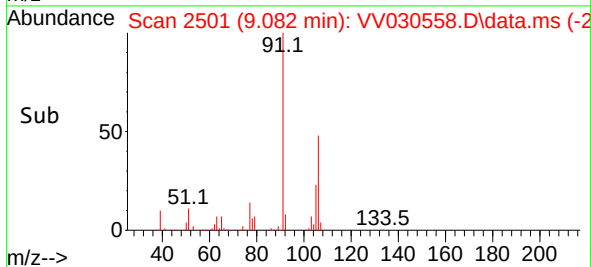
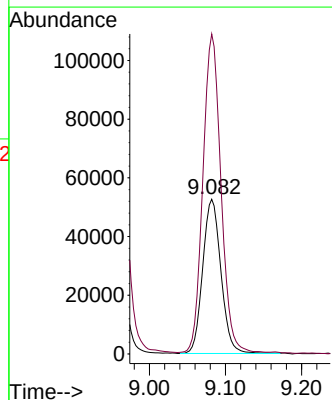
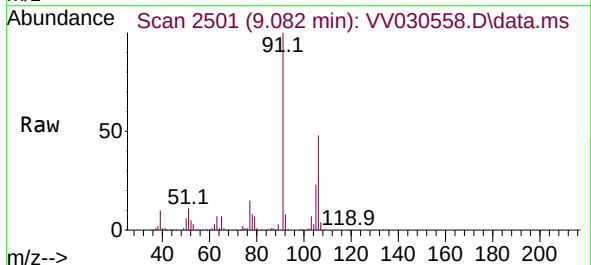
Instrument :
MSVOA_V
ClientSampleId :
VSTD005333

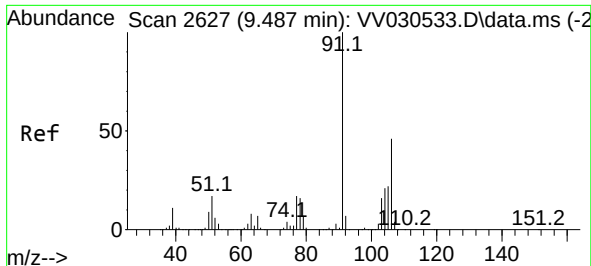
Tgt Ion: 91 Resp: 229190
Ion Ratio Lower Upper
91 100
106 31.0 22.2 41.2



#53
m,p-Xylene
Concen: 4.494 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. -0.000 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Tgt Ion: 106 Resp: 87283
Ion Ratio Lower Upper
106 100
91 206.8 142.4 264.4

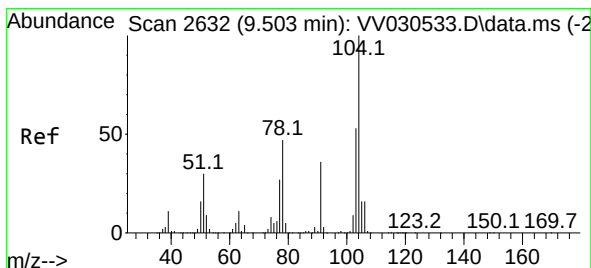
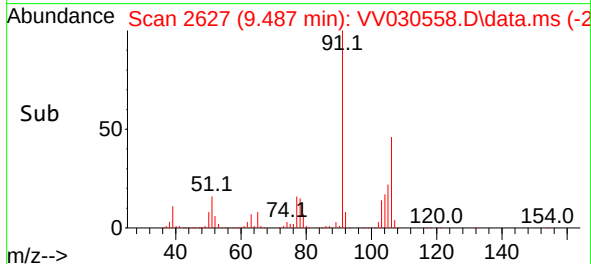
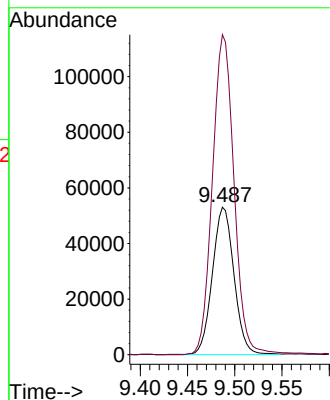
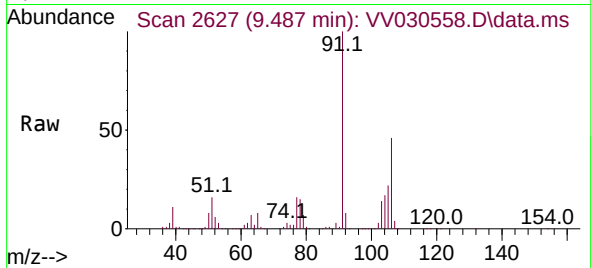




#54
o-Xylene
Concen: 4.542 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

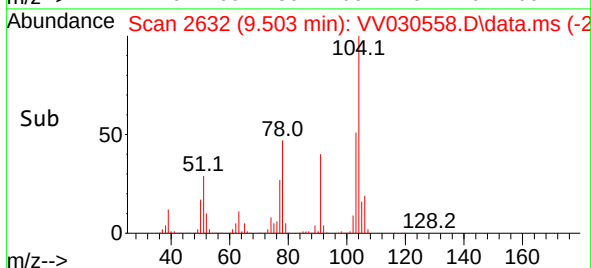
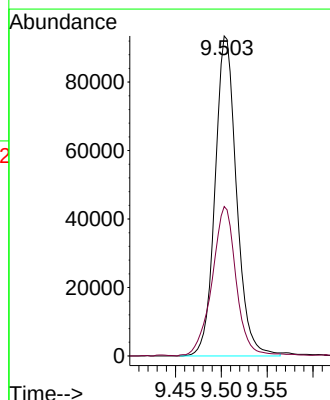
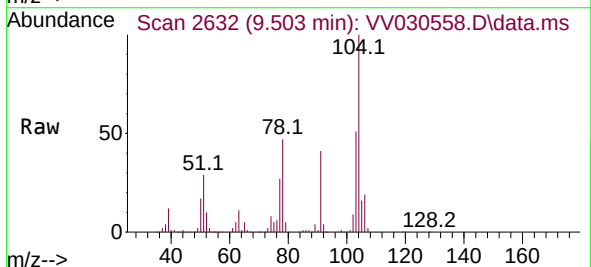
Instrument :
MSVOA_V
ClientSampleId :
VSTD005333

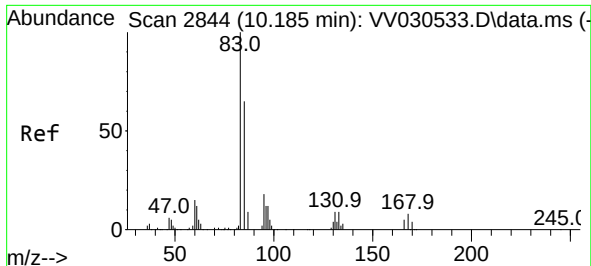
Tgt Ion:106 Resp: 84415
Ion Ratio Lower Upper
106 100
91 216.8 149.8 278.2



#55
Styrene
Concen: 4.818 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Tgt Ion:104 Resp: 152091
Ion Ratio Lower Upper
104 100
78 46.7 31.9 59.2

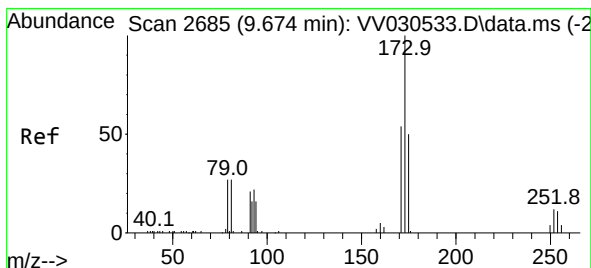
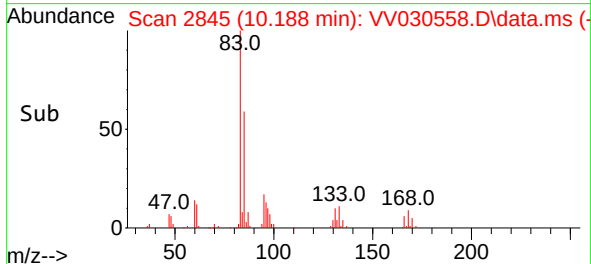
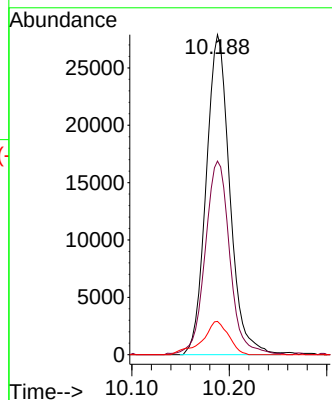
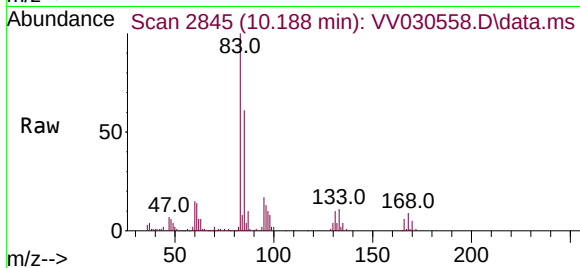




#57
1,1,2,2-Tetrachloroethane
Concen: 5.027 ug/L
RT: 10.188 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

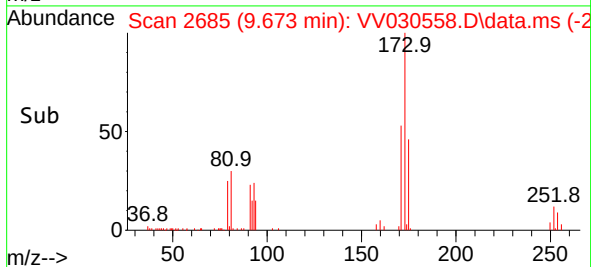
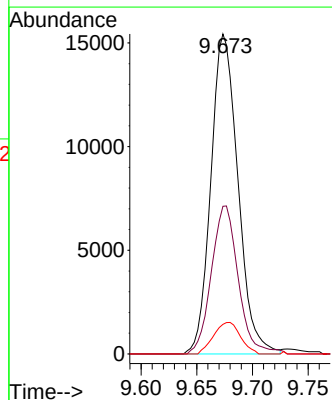
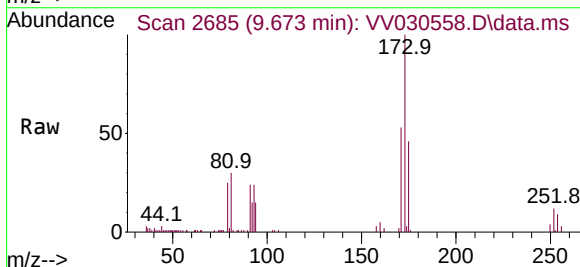
Instrument :
MSVOA_V
ClientSampleId :
VSTD005333

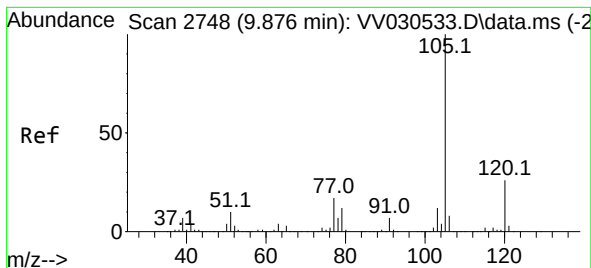
Tgt Ion:	83	Resp:	46957
Ion	Ratio	Lower	Upper
83	100		
85	60.5	45.3	84.1
131	10.4	8.2	12.4



#59
Bromoform
Concen: 4.753 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. -0.000 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Tgt Ion:	173	Resp:	26089
Ion	Ratio	Lower	Upper
173	100		
175	45.9	39.0	58.4
254	9.8	8.2	12.4





#60

Isopropylbenzene

Concen: 4.609 ug/L

RT: 9.876 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005333

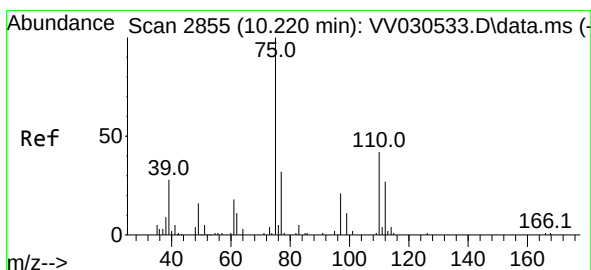
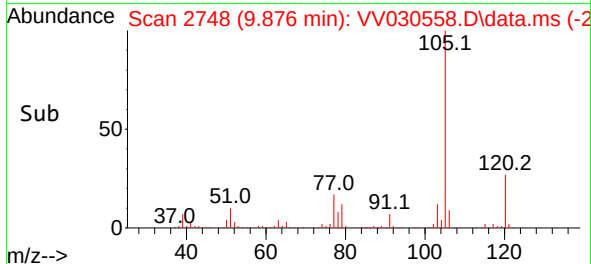
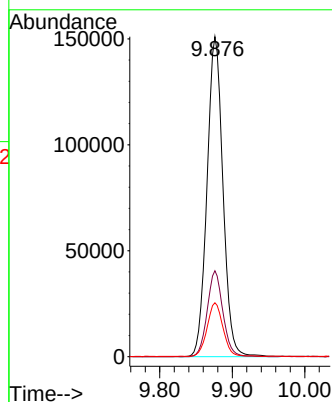
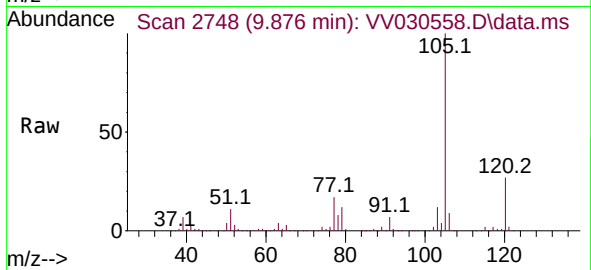
Tgt Ion:105 Resp: 230823

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

77 16.6 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 5.208 ug/L

RT: 10.220 min Scan# 2855

Delta R.T. -0.000 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

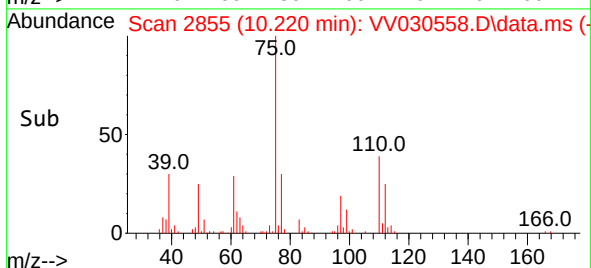
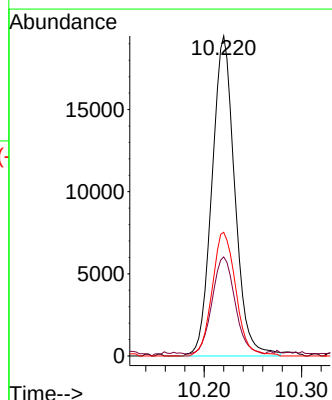
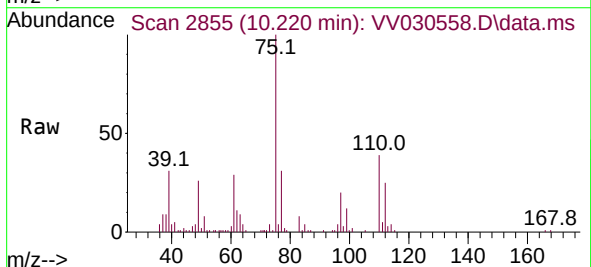
Tgt Ion: 75 Resp: 31622

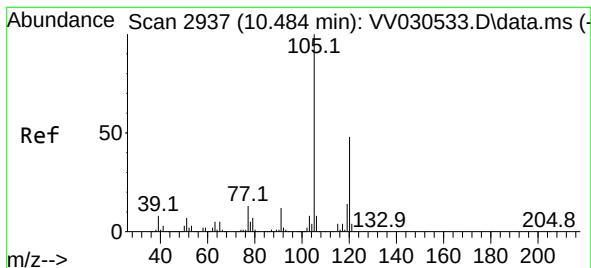
Ion Ratio Lower Upper

75 100

77 30.5 26.0 39.0

110 40.2 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 4.397 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

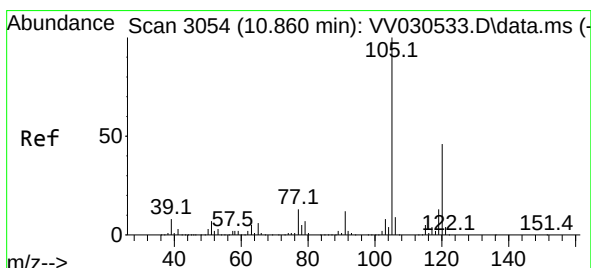
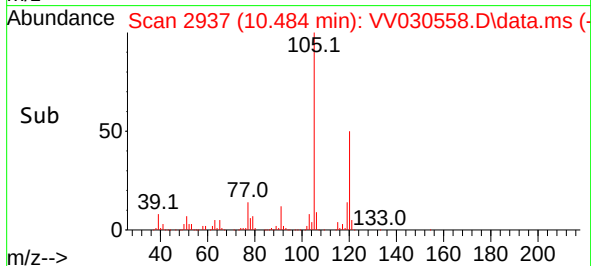
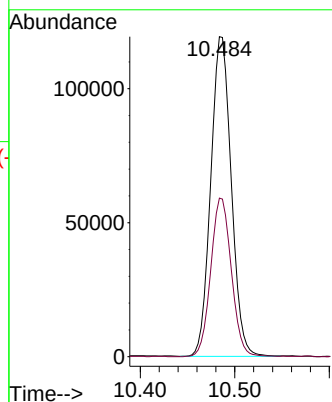
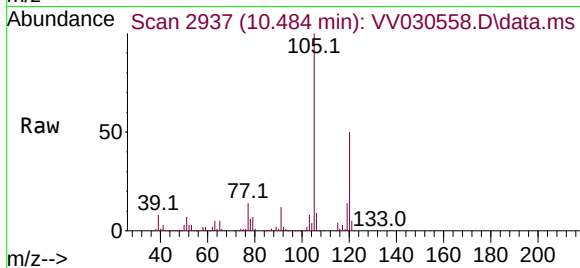
VSTD005333

Tgt Ion:105 Resp: 179691

Ion Ratio Lower Upper

105 100

120 49.9 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 4.551 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030558.D

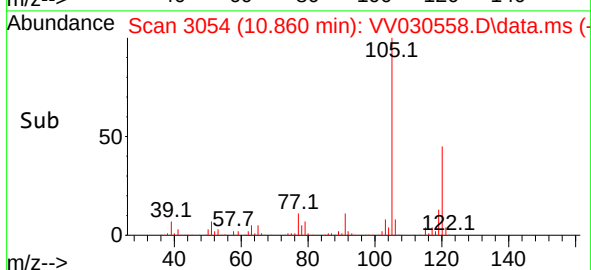
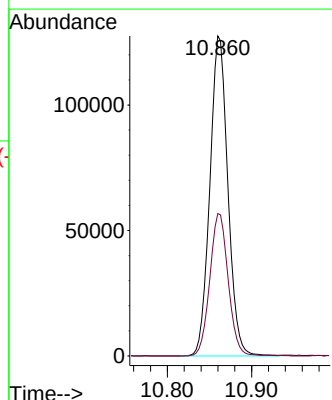
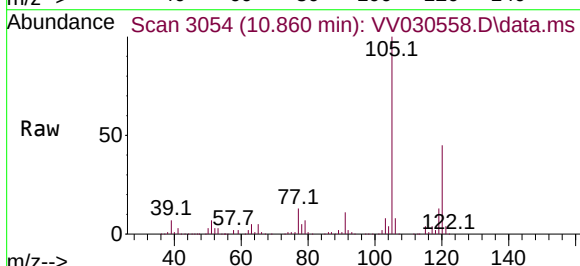
Acq: 13 Apr 2023 20:28

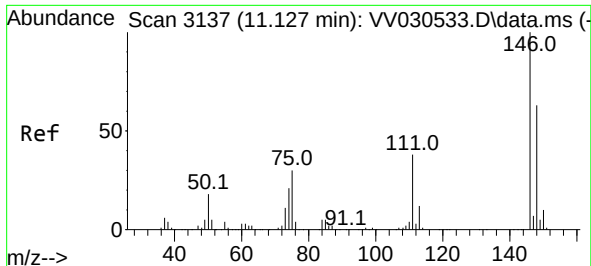
Tgt Ion:105 Resp: 189543

Ion Ratio Lower Upper

105 100

120 45.5 36.8 55.2

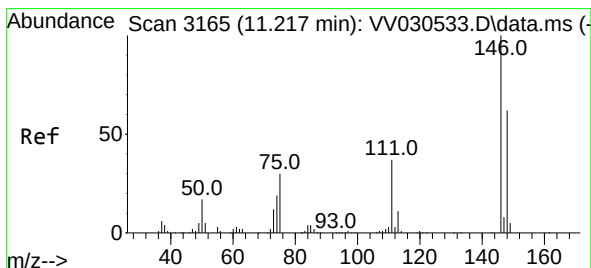
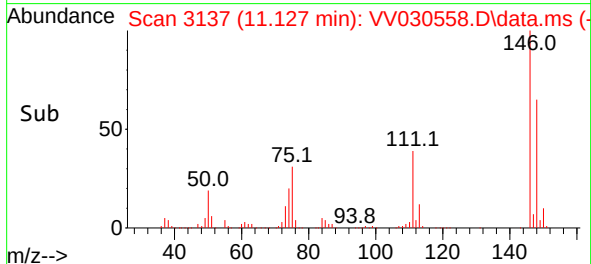
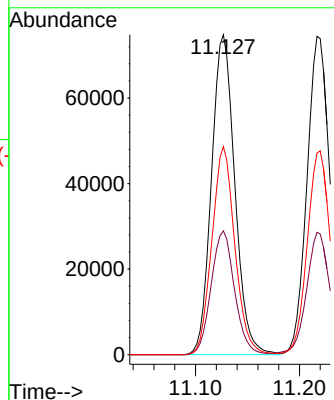
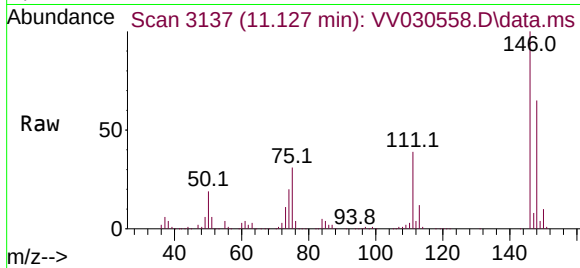




#64
1,3-Dichlorobenzene
Concen: 4.667 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. -0.000 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

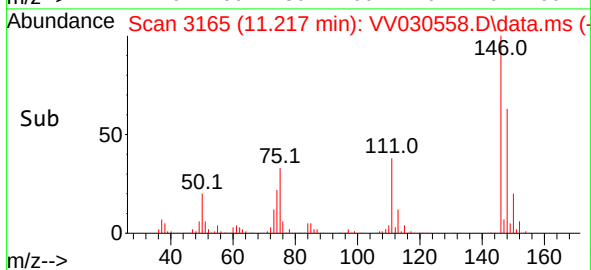
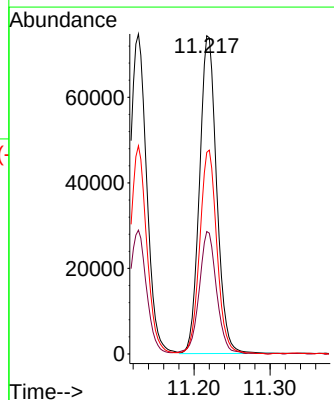
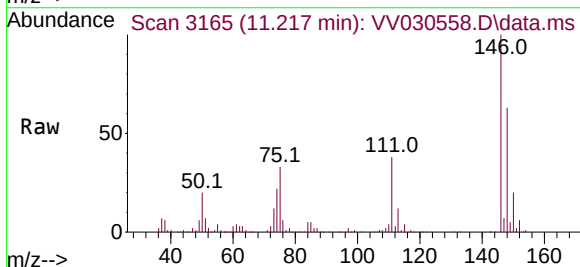
Instrument :
MSVOA_V
ClientSampleId :
VSTD005333

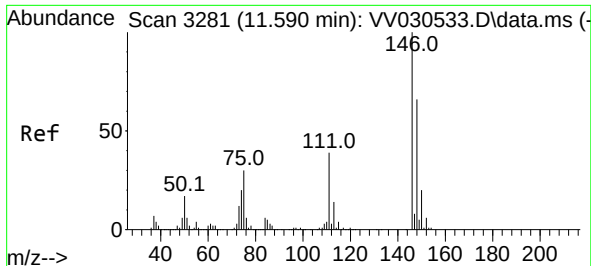
Tgt Ion:146 Resp: 116569
Ion Ratio Lower Upper
146 100
111 38.7 27.0 50.2
148 65.0 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 4.638 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Tgt Ion:146 Resp: 116707
Ion Ratio Lower Upper
146 100
111 38.5 26.0 48.4
148 63.4 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 4.735 ug/L

RT: 11.590 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005333

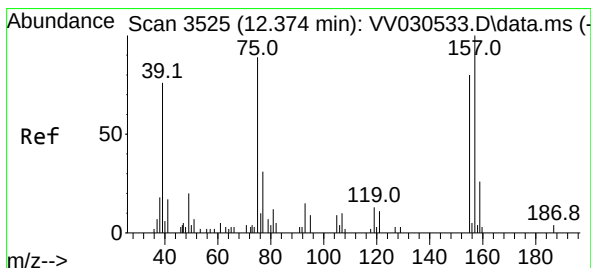
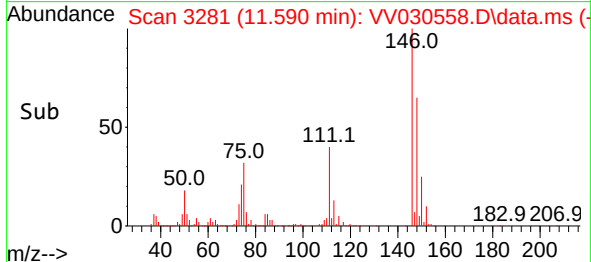
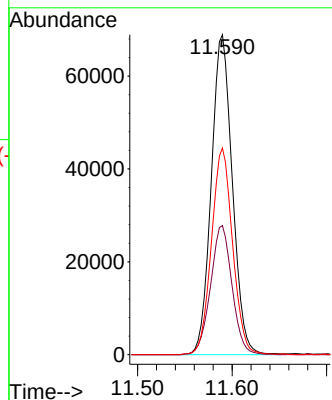
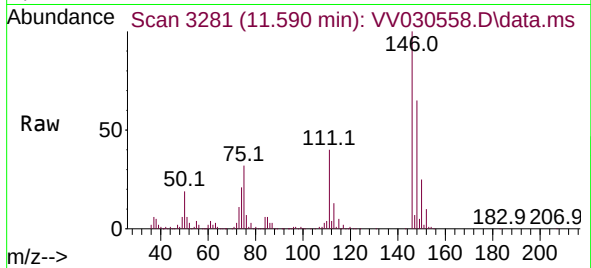
Tgt Ion:146 Resp: 106558

Ion Ratio Lower Upper

146 100

111 40.3 33.1 49.7

148 64.6 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.082 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

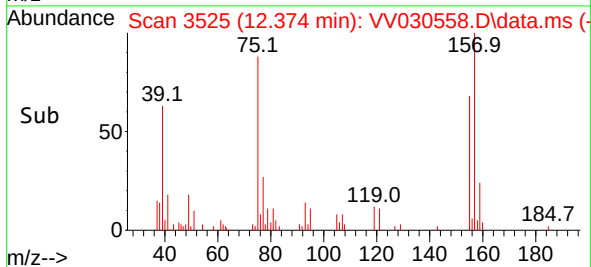
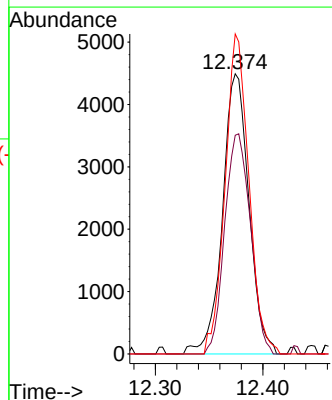
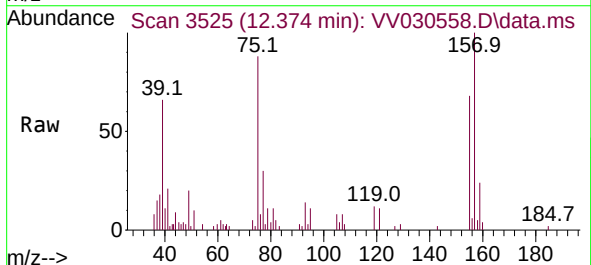
Tgt Ion: 75 Resp: 7675

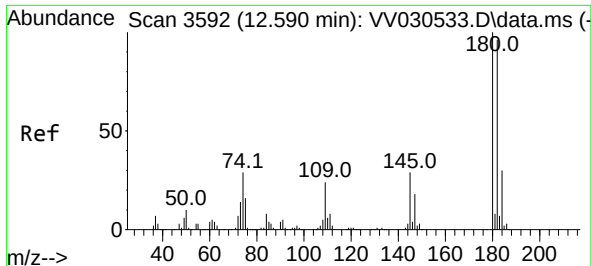
Ion Ratio Lower Upper

75 100

155 78.1 64.6 96.8

157 114.2 83.8 125.6





#69

1,3,5-Trichlorobenzene

Concen: 4.314 ug/L

RT: 12.593 min Scan# 3592

Delta R.T. 0.003 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD005333

Tgt Ion:180 Resp: 82961

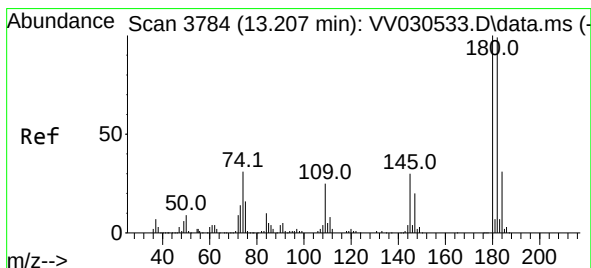
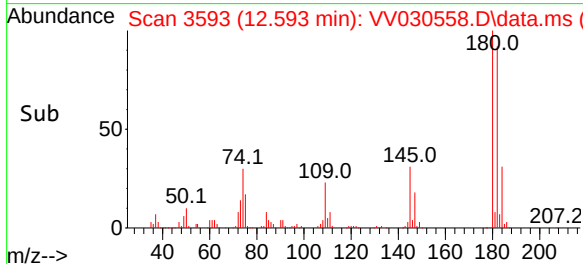
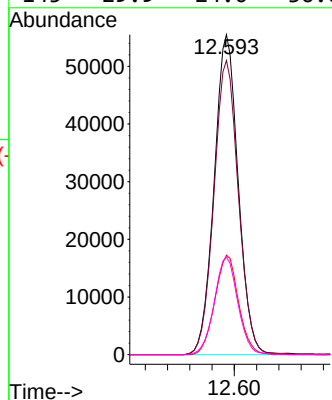
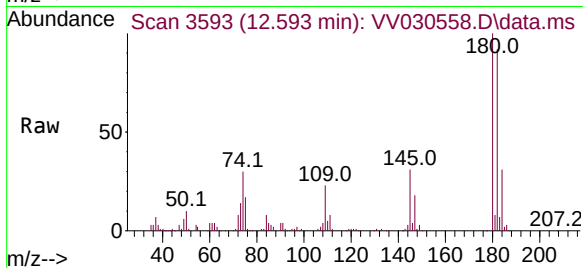
Ion Ratio Lower Upper

180 100

182 93.7 76.5 114.7

184 30.7 24.0 36.0

145 29.9 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 4.516 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030558.D

Acq: 13 Apr 2023 20:28

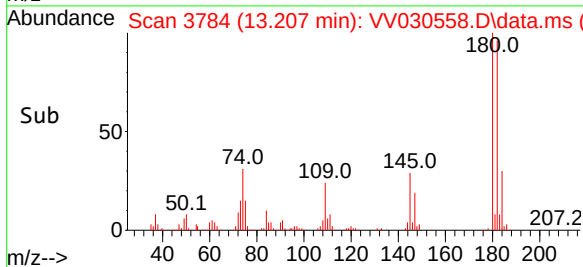
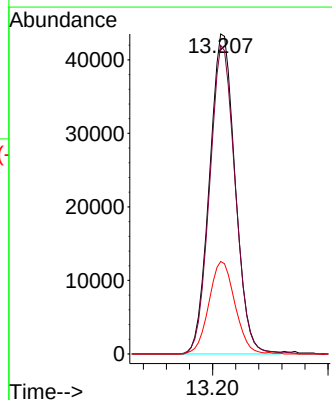
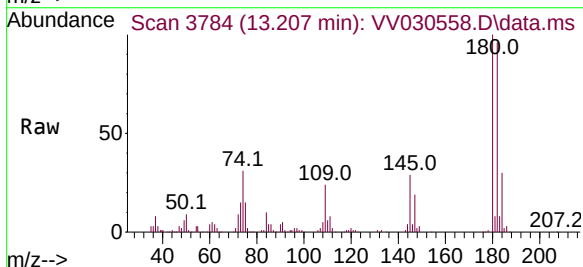
Tgt Ion:180 Resp: 67056

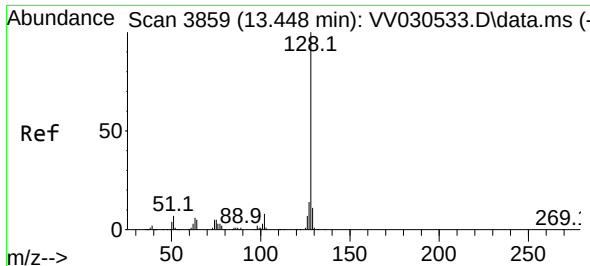
Ion Ratio Lower Upper

180 100

182 96.0 75.3 112.9

145 29.4 23.8 35.6

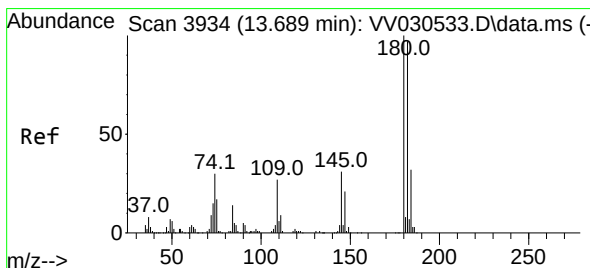
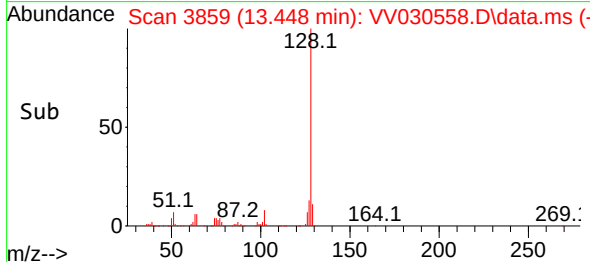
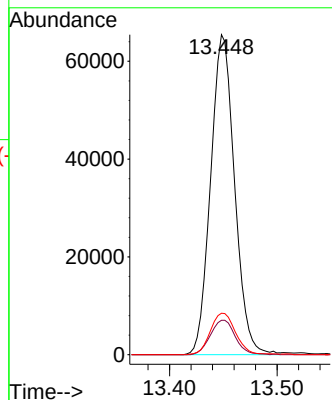
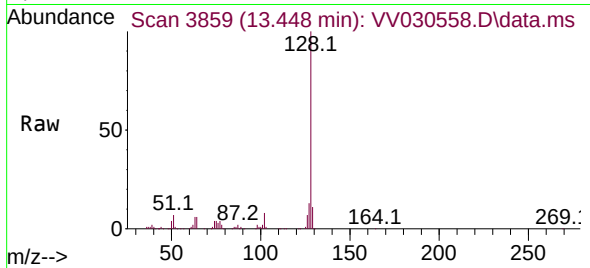




#71
Naphthalene
Concen: 4.780 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. -0.000 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD005333

Tgt Ion:128 Resp: 101356
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.8 10.8 16.2



#72
1,2,3-Trichlorobenzene
Concen: 4.848 ug/L
RT: 13.693 min Scan# 3935
Delta R.T. 0.003 min
Lab File: VV030558.D
Acq: 13 Apr 2023 20:28

Tgt Ion:180 Resp: 62358
Ion Ratio Lower Upper
180 100
182 93.4 76.6 115.0
145 30.8 25.0 37.4

