

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053023\
 Data File : VV031285.D
 Acq On : 30 May 2023 22:30
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005361

Quant Time: May 31 05:33:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR053023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 31 05:14:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	120530	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	128268	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	69417	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	53020	5.310	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 106.200%	
7) Chloroethane-d5	1.536	69	57617	5.413	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 108.200%	
11) 1,1-Dichloroethene-d2	2.063	65	27826	5.339	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 106.800%	
20) 2-Butanone-d5	3.815	46	187404	54.334	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 108.660%	
24) Chloroform-d	4.259	84	127347	5.311	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 106.200%	
26) 1,2-Dichloroethane-d4	4.950	65	70494	5.500	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 110.000%	
32) Benzene-d6	4.966	84	230789	4.975	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 99.600%	
36) 1,2-Dichloropropane-d6	5.995	67	81319	4.968	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 99.400%	
41) Toluene-d8	7.249	98	220974	5.349	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 107.000%	
43) trans-1,3-Dichloroprop...	7.561	79	27043	5.054	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 101.000%	
46) 2-Hexanone-d5	8.034	63	134784	53.331	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 106.660%	
56) 1,1,2,2-Tetrachloroeth...	10.159	84	66471	5.295	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 105.800%	
66) 1,2-Dichlorobenzene-d4	11.567	152	72430	5.021	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 100.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	98022	5.066	ug/L	98
3) Chloromethane	1.217	50	92281	5.028	ug/L	97
5) Vinyl chloride	1.285	62	93134	5.069	ug/L	99
6) Bromomethane	1.491	94	52564	5.086	ug/L	96
8) Chloroethane	1.552	64	57096	4.956	ug/L	99
9) Trichlorofluoromethane	1.716	101	131732	4.748	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	72910	4.727	ug/L	100
12) 1,1-Dichloroethene	2.073	96	63261	4.845	ug/L	97
13) Acetone	2.143	43	116641	41.165	ug/L	95
14) Carbon disulfide	2.246	76	188517	4.781	ug/L	100
15) Methyl Acetate	2.388	43	27949	5.215	ug/L	97
16) Methylene chloride	2.452	84	71199	4.013	ug/L	99
17) Methyl tert-butyl Ether	2.712	73	137663	4.865	ug/L	95
18) trans-1,2-Dichloroethene	2.700	96	59235	4.770	ug/L	97
19) 1,1-Dichloroethane	3.117	63	136681	4.972	ug/L	97
21) 2-Butanone	3.896	43	176735	48.091	ug/L	99
22) cis-1,2-Dichloroethene	3.822	96	63405	4.864	ug/L	100
23) Bromochloromethane	4.153	128	28647	4.963	ug/L	92
25) Chloroform	4.285	83	144851	5.016	ug/L	97

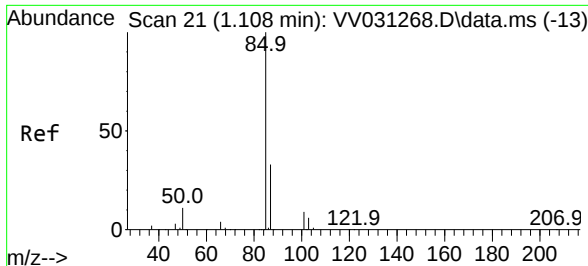
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 Data File : VW031285.D
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 31 05:14:27 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	84238	5.303	ug/L	97
29) 1,1,1-Trichloroethane	4.519	97	119669	4.634	ug/L	100
30) Cyclohexane	4.593	56	107599	4.447	ug/L	97
31) Carbon tetrachloride	4.744	117	107760	4.655	ug/L	97
33) Benzene	5.018	78	269697	4.765	ug/L	100
34) Trichloroethene	5.841	95	68786	4.430	ug/L	95
35) Methylcyclohexane	6.059	83	94370	4.120	ug/L	90
37) 1,2-Dichloropropane	6.101	63	79764	5.205	ug/L	99
38) Bromodichloromethane	6.442	83	95995	4.744	ug/L #	98
39) cis-1,3-Dichloropropene	6.960	75	95536	4.671	ug/L	95
40) 4-Methyl-2-pentanone	7.166	43	463050	52.309	ug/L	99
42) Toluene	7.323	91	296593	5.058	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	83466	4.940	ug/L	97
45) 1,1,2-Trichloroethane	7.776	97	50437	4.834	ug/L	99
47) Tetrachloroethene	7.912	164	53132	4.555	ug/L	97
48) 2-Hexanone	8.085	43	340691	51.276	ug/L	99
49) Dibromochloromethane	8.185	129	57104	4.795	ug/L	99
50) 1,2-Dibromoethane	8.291	107	48193	4.821	ug/L	93
51) Chlorobenzene	8.821	112	171840	4.799	ug/L	97
52) Ethylbenzene	8.953	91	299601	4.861	ug/L	99
53) m,p-Xylene	9.079	106	108748	4.915	ug/L	99
54) o-Xylene	9.487	106	102594	4.921	ug/L	98
55) Styrene	9.503	104	187800	5.093	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	62240	5.008	ug/L	99
59) Bromoform	9.674	173	30314	4.558	ug/L	96
60) Isopropylbenzene	9.873	105	283482	4.786	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	44240	4.852	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	219526	4.560	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	234943	4.771	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	135473	4.764	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	136295	4.773	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	127381	4.864	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.374	75	9731	4.660	ug/L #	91
69) 1,3,5-Trichlorobenzene	12.590	180	92312	4.424	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	69052	4.480	ug/L	99
71) Naphthalene	13.448	128	89998	4.186	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	63259	4.472	ug/L	99

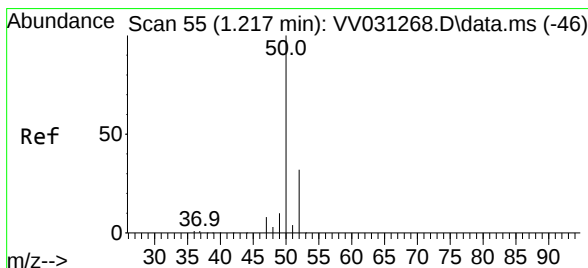
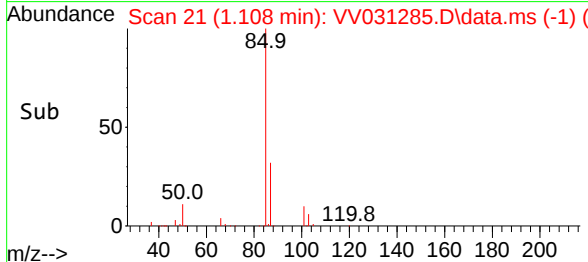
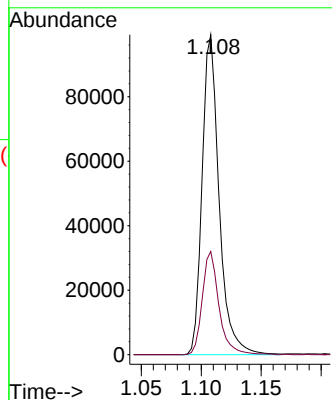
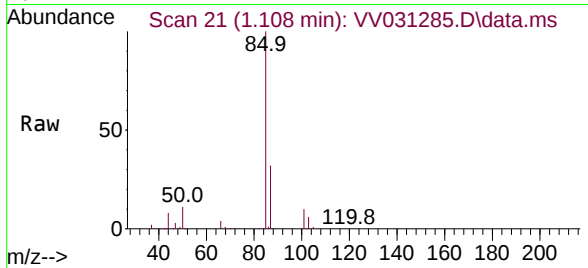
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#2
 Dichlorodifluoromethane
 Concen: 5.066 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031285.D
 Acq: 30 May 2023 22:30

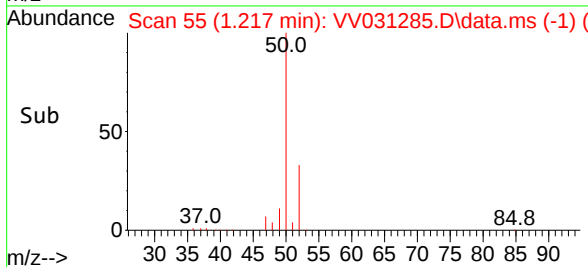
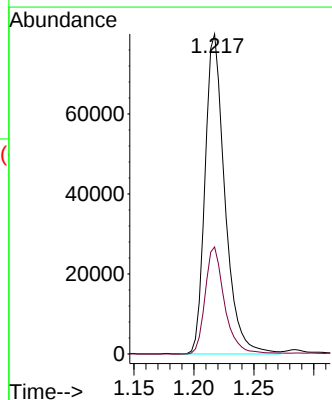
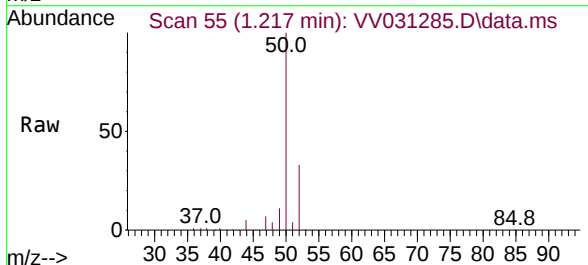
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005361

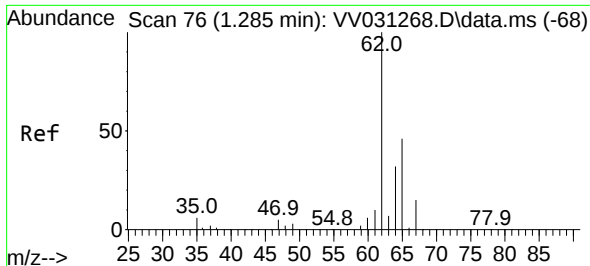
Tgt Ion: 85 Resp: 98022
 Ion Ratio Lower Upper
 85 100
 87 31.7 26.1 39.1



#3
 Chloromethane
 Concen: 5.028 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031285.D
 Acq: 30 May 2023 22:30

Tgt Ion: 50 Resp: 92281
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.3 41.5

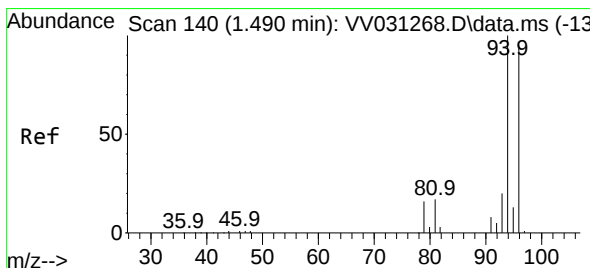
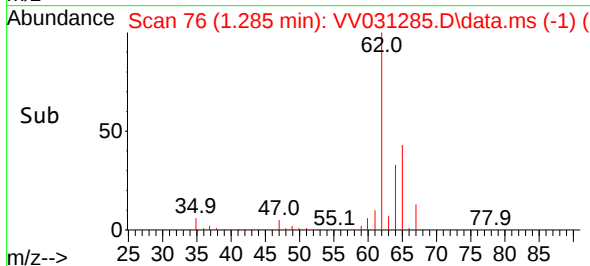
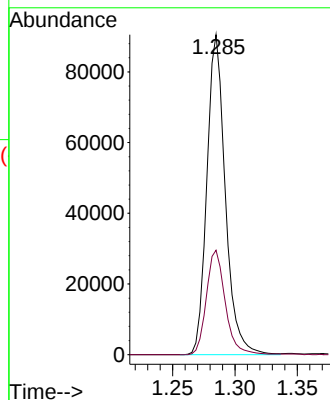
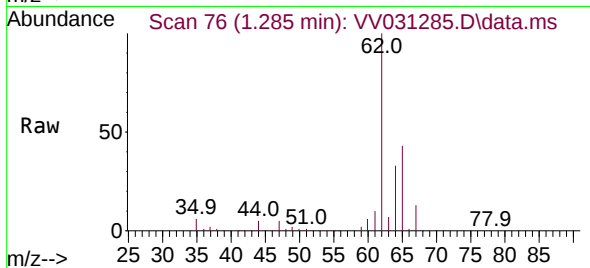




#5
 Vinyl chloride
 Concen: 5.069 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031285.D
 Acq: 30 May 2023 22:30

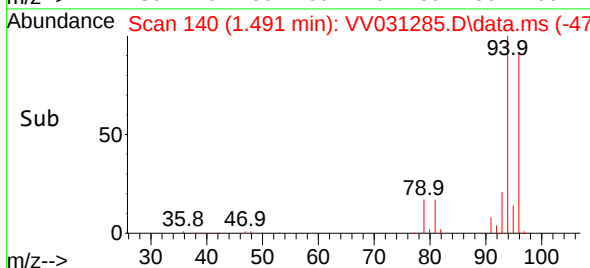
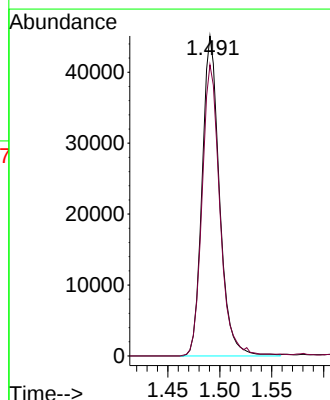
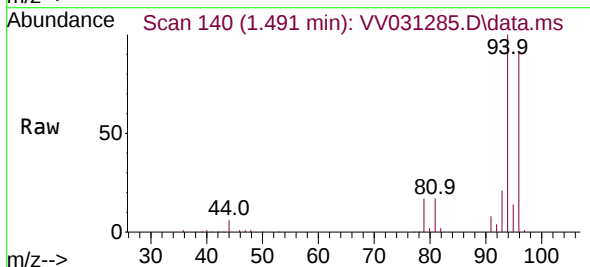
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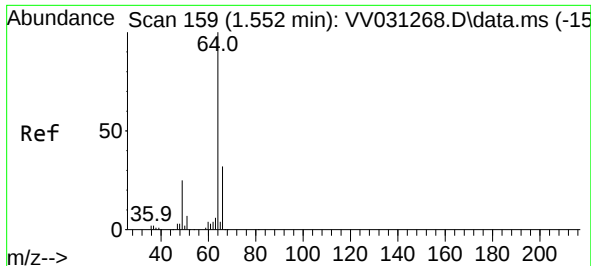
Tgt Ion: 62 Resp: 93134
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.5 41.7



#6
 Bromomethane
 Concen: 5.086 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV031285.D
 Acq: 30 May 2023 22:30

Tgt Ion: 94 Resp: 52564
 Ion Ratio Lower Upper
 94 100
 96 91.0 66.3 123.1

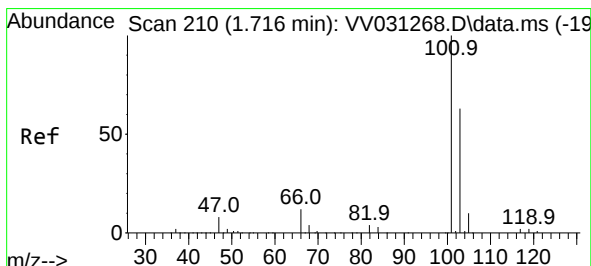
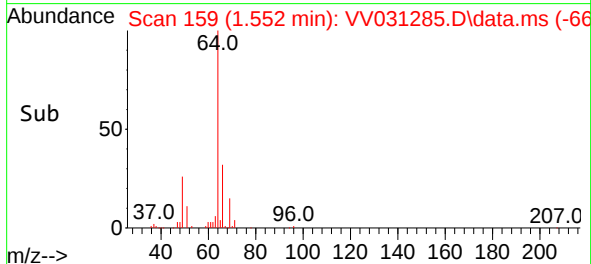
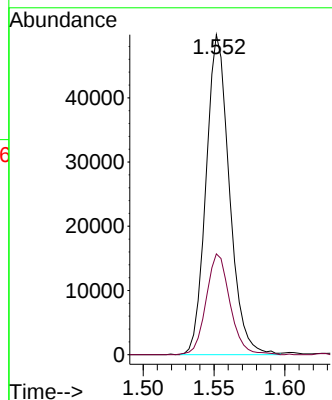
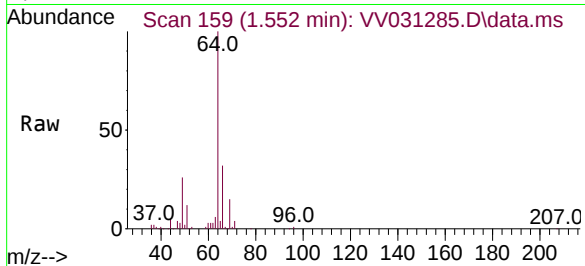




#8
Chloroethane
Concen: 4.956 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

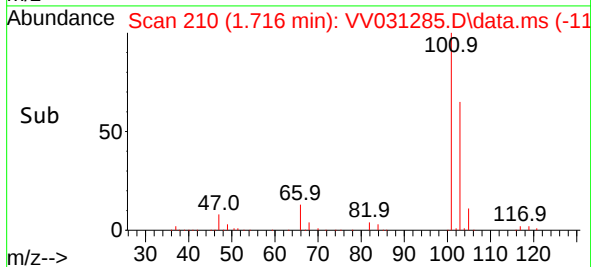
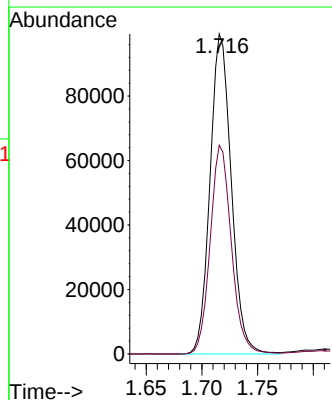
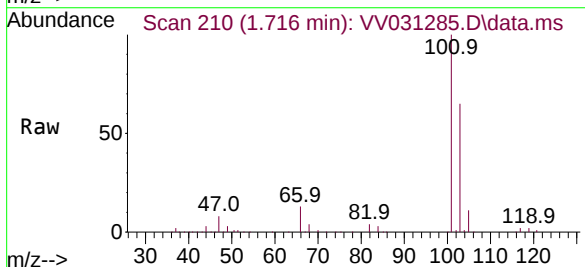
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ClientSampleId :
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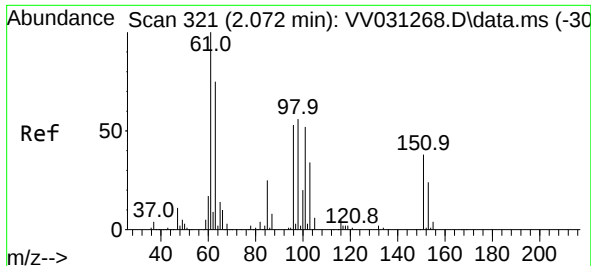
Tgt Ion: 64 Resp: 57096
Ion Ratio Lower Upper
64 100
66 31.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 4.748 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

Tgt Ion: 101 Resp: 131732
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.6

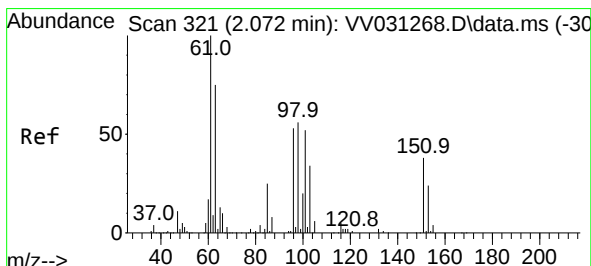
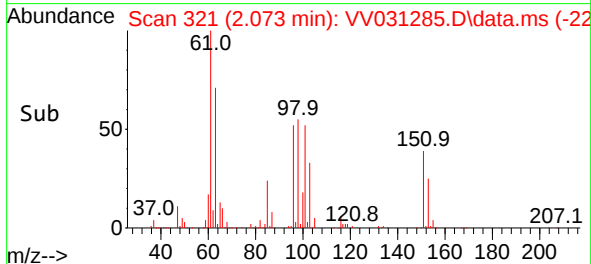
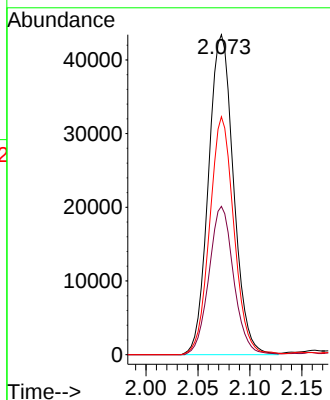
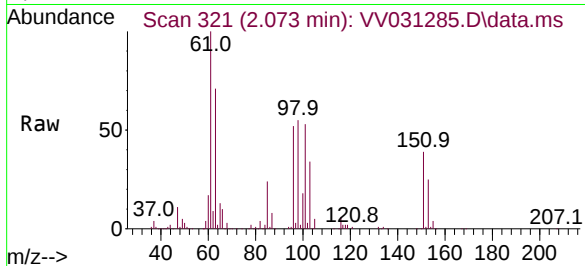




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.727 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031285.D
 Acq: 30 May 2023 22:30

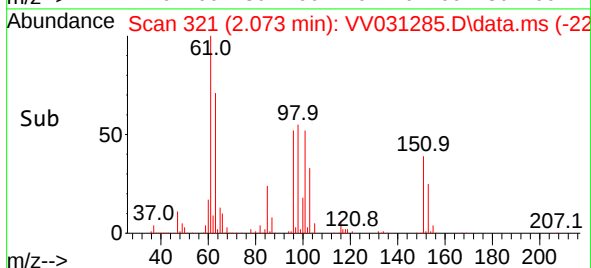
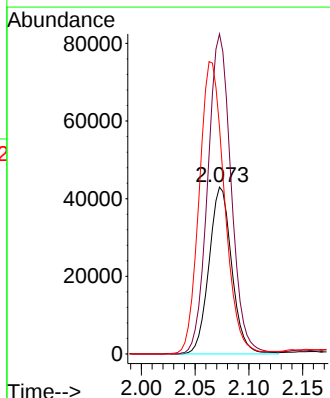
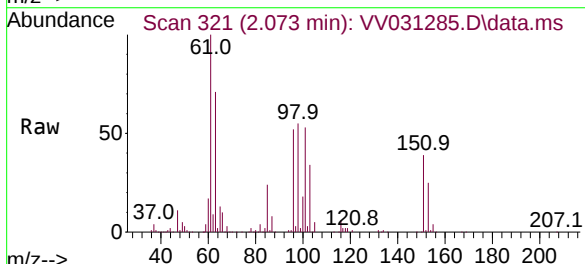
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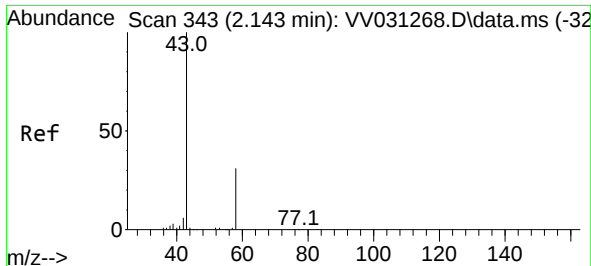
Tgt Ion:101 Resp: 72910
 Ion Ratio Lower Upper
 101 100
 85 45.6 36.6 55.0
 151 72.2 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 4.845 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031285.D
 Acq: 30 May 2023 22:30

Tgt Ion: 96 Resp: 63261
 Ion Ratio Lower Upper
 96 100
 61 191.8 132.9 246.9
 63 136.2 100.4 186.6





#13

Acetone

Concen: 41.165 ug/L

RT: 2.143 min Scan# 343

Delta R.T. 0.000 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

Instrument :

MSVOA_V

ClientSampleId :

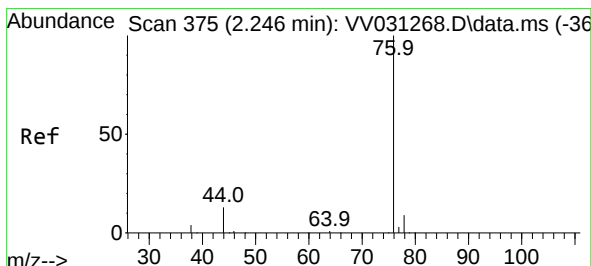
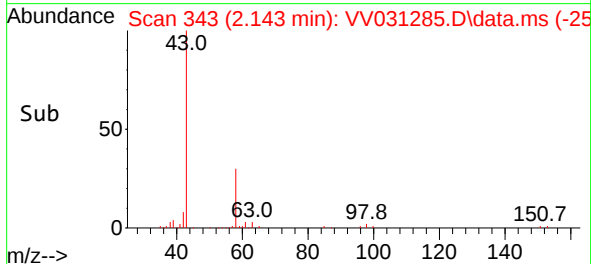
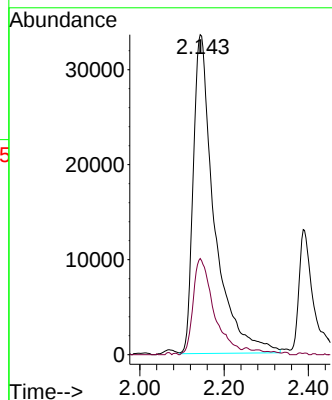
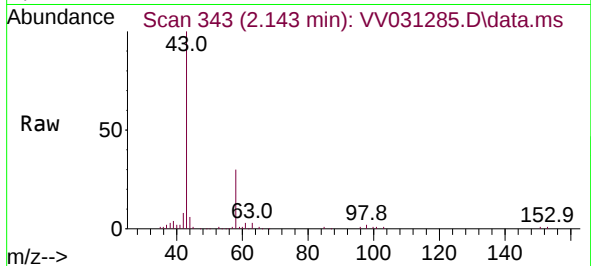
VSTD005361

Tgt Ion: 43 Resp: 116641

Ion Ratio Lower Upper

43 100

58 29.4 0.0 64.0



#14

Carbon disulfide

Concen: 4.781 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031285.D

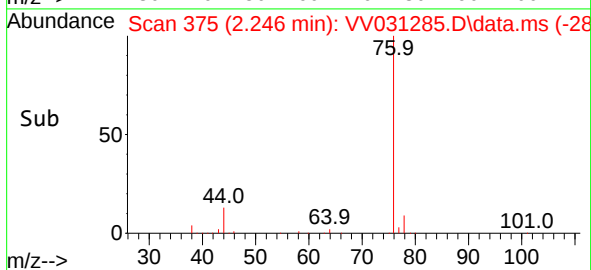
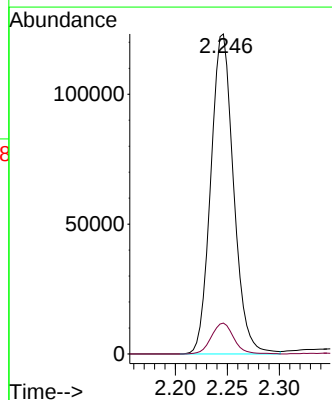
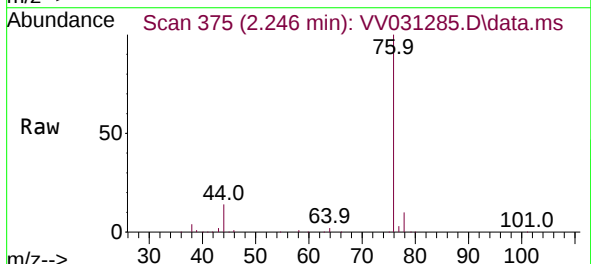
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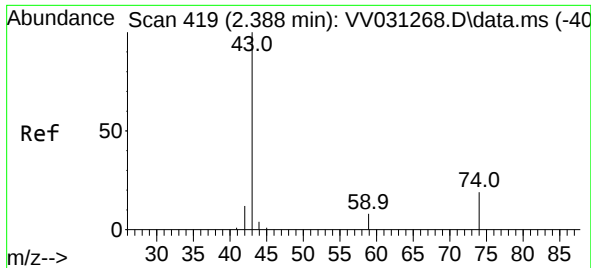
Tgt Ion: 76 Resp: 188517

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4

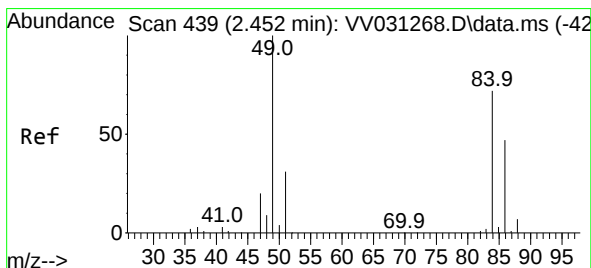
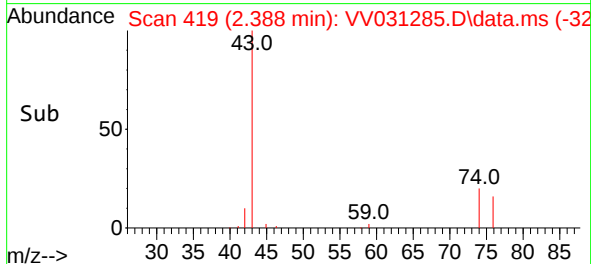
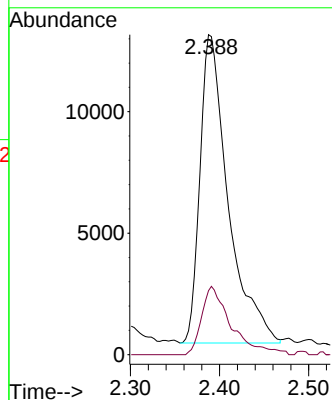
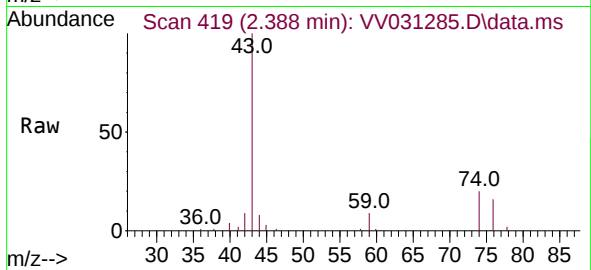




#15
Methyl Acetate
Concen: 5.215 ug/L
RT: 2.388 min Scan# 419
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

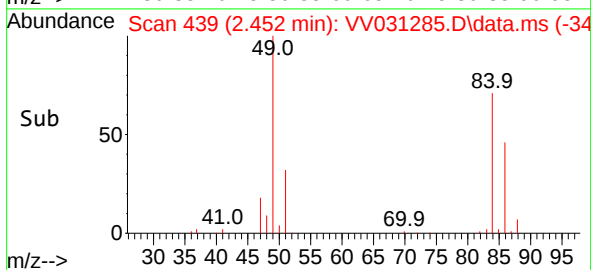
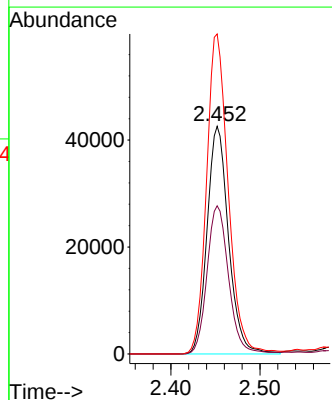
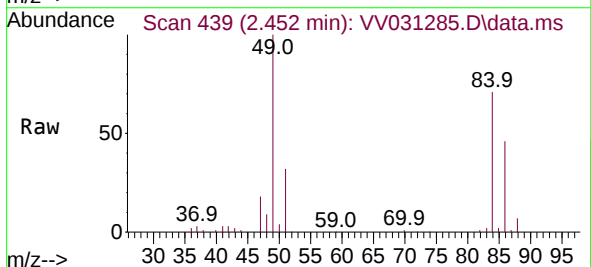
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

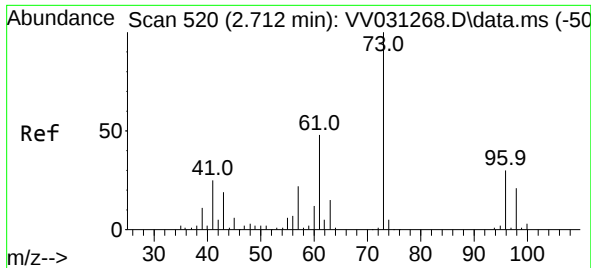
Tgt Ion: 43 Resp: 27949
Ion Ratio Lower Upper
43 100
74 23.1 17.4 26.2



#16
Methylene chloride
Concen: 4.013 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

Tgt Ion: 84 Resp: 71199
Ion Ratio Lower Upper
84 100
86 65.1 45.1 83.9
49 140.5 97.0 180.2

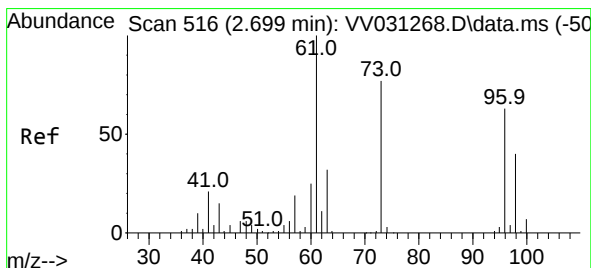
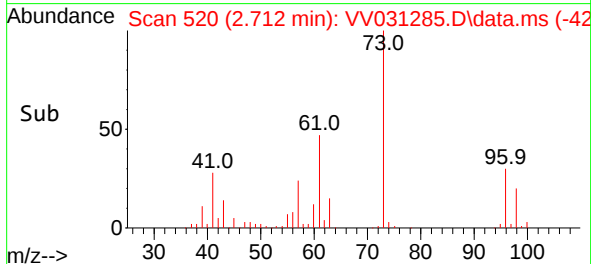
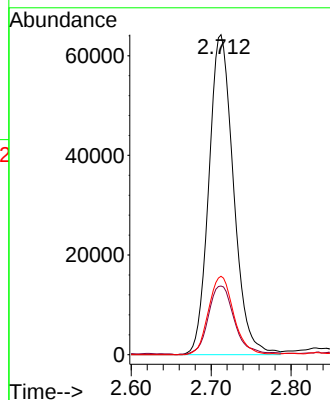
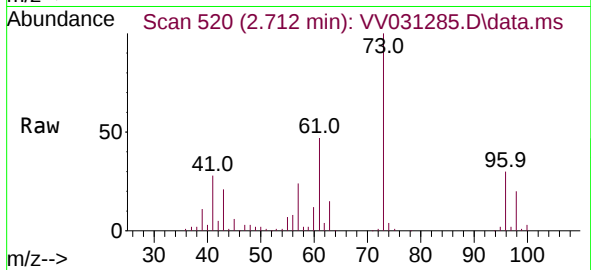




#17
Methyl tert-butyl Ether
Concen: 4.865 ug/L
RT: 2.712 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

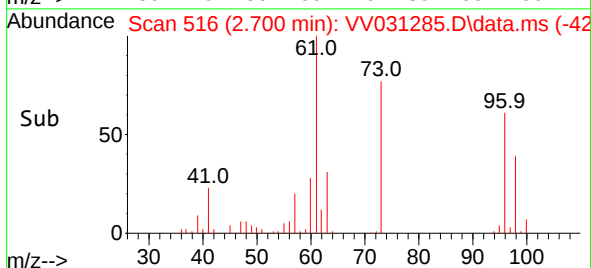
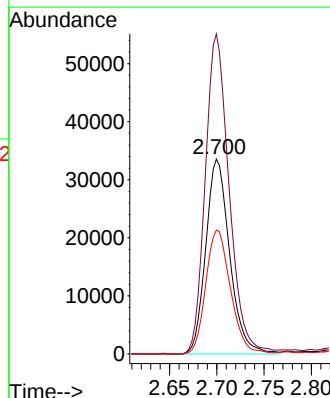
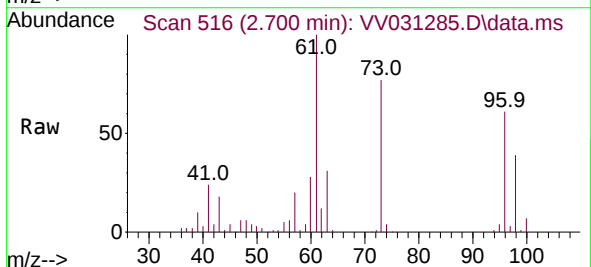
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

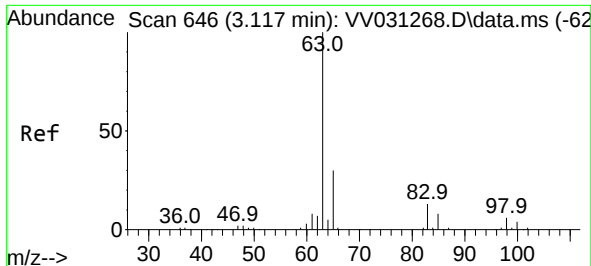
Tgt Ion: 73 Resp: 137663
Ion Ratio Lower Upper
73 100
43 23.0 15.8 23.6
57 25.0 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 4.770 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

Tgt Ion: 96 Resp: 59235
Ion Ratio Lower Upper
96 100
61 164.3 110.7 205.5
98 63.6 44.6 82.8





#19

1,1-Dichloroethane

Concen: 4.972 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005361

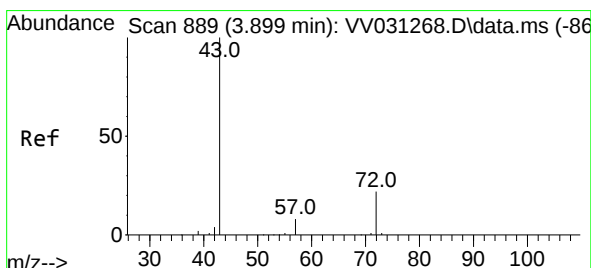
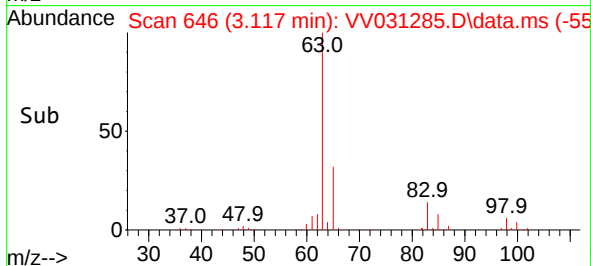
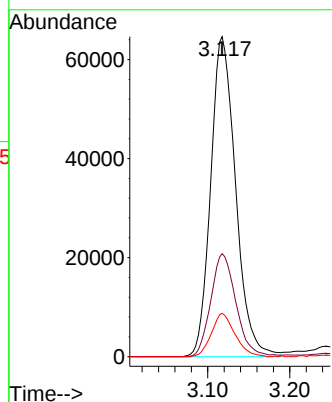
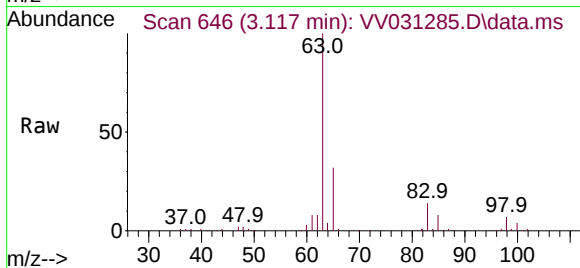
Tgt Ion: 63 Resp: 136681

Ion Ratio Lower Upper

63 100

65 32.2 20.9 38.9

83 13.6 9.1 16.9



#21

2-Butanone

Concen: 48.091 ug/L

RT: 3.896 min Scan# 888

Delta R.T. -0.003 min

Lab File: VV031285.D

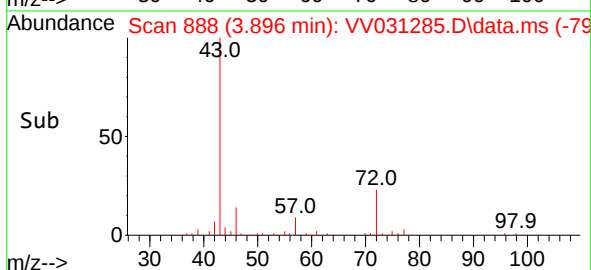
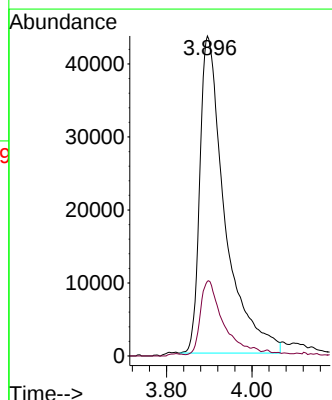
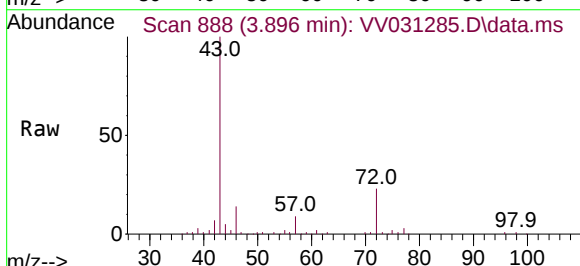
Acq: 30 May 2023 22:30

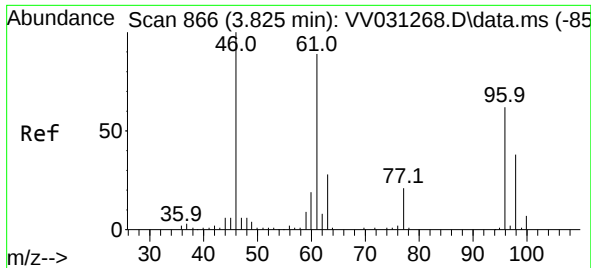
Tgt Ion: 43 Resp: 176735

Ion Ratio Lower Upper

43 100

72 20.5 10.6 31.8

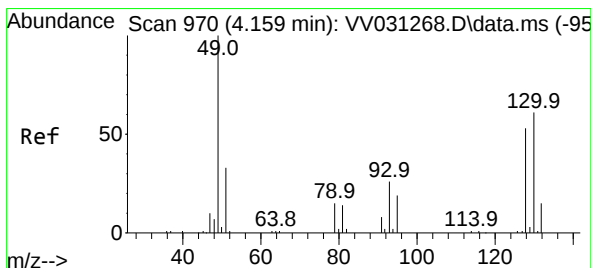
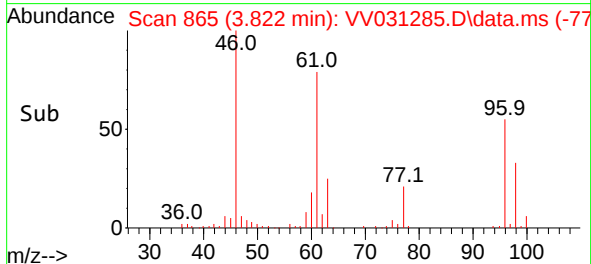
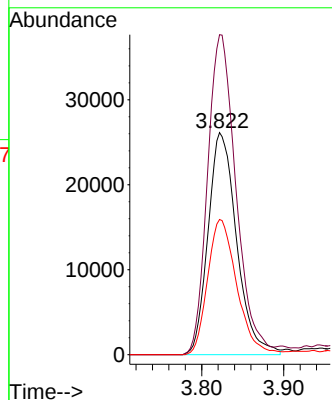
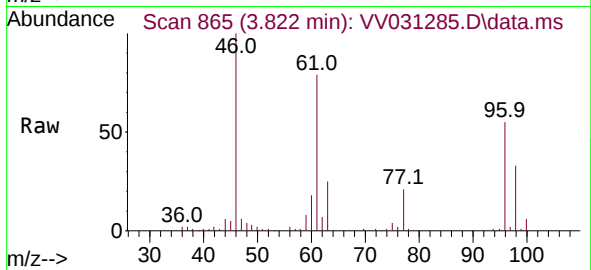




#22
 cis-1,2-Dichloroethene
 Concen: 4.864 ug/L
 RT: 3.822 min Scan# 865
 Delta R.T. -0.003 min
 Lab File: VV031285.D
 Acq: 30 May 2023 22:30

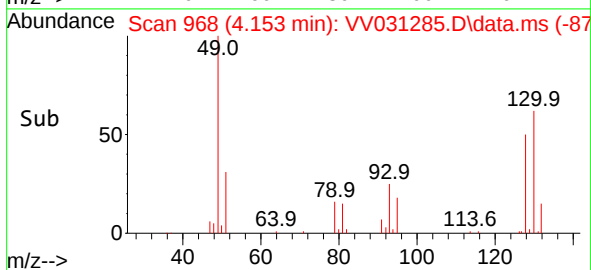
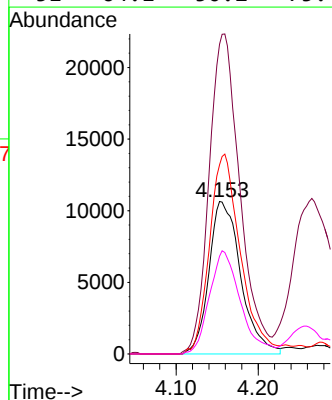
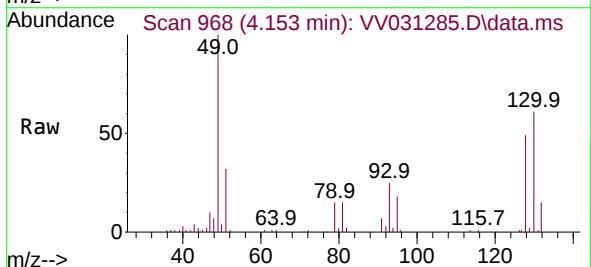
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005361

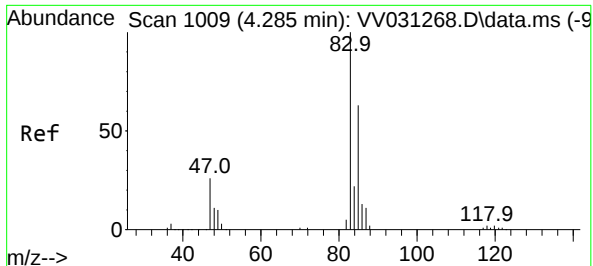
Tgt Ion: 96 Resp: 63405
 Ion Ratio Lower Upper
 96 100
 61 144.1 100.5 186.7
 98 60.9 42.9 79.7



#23
 Bromochloromethane
 Concen: 4.963 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.006 min
 Lab File: VV031285.D
 Acq: 30 May 2023 22:30

Tgt Ion: 128 Resp: 28647
 Ion Ratio Lower Upper
 128 100
 49 203.1 132.5 246.1
 130 124.1 80.9 150.3
 51 64.1 50.2 75.4





#25

Chloroform

Concen: 5.016 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

Instrument :

MSVOA_V

ClientSampleId :

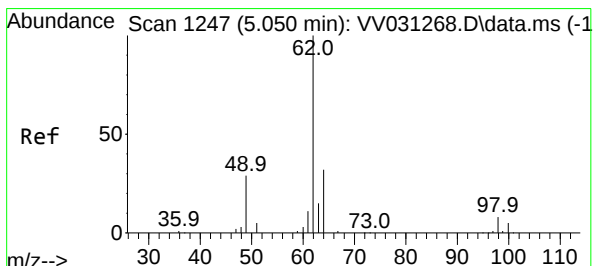
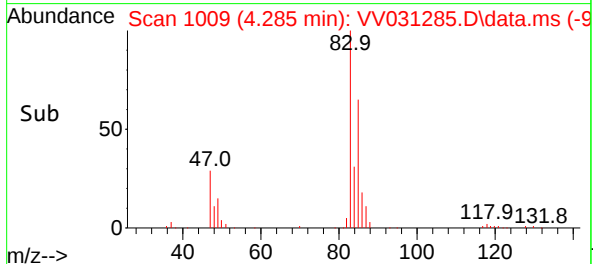
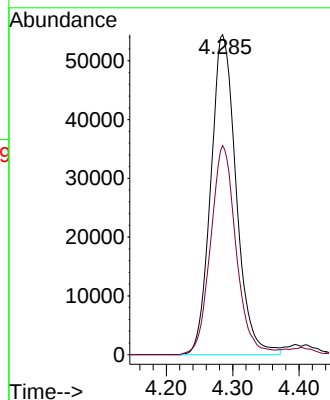
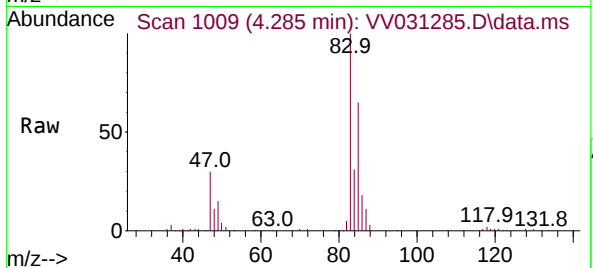
VSTD005361

Tgt Ion: 83 Resp: 144851

Ion Ratio Lower Upper

83 100

85 65.4 44.0 81.6



#27

1,2-Dichloroethane

Concen: 5.303 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VV031285.D

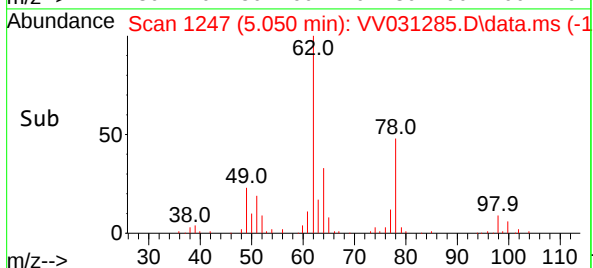
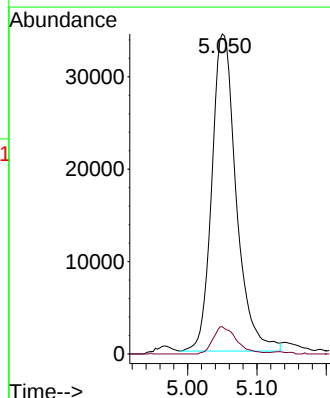
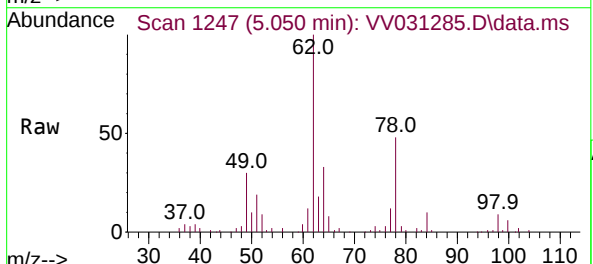
Acq: 30 May 2023 22:30

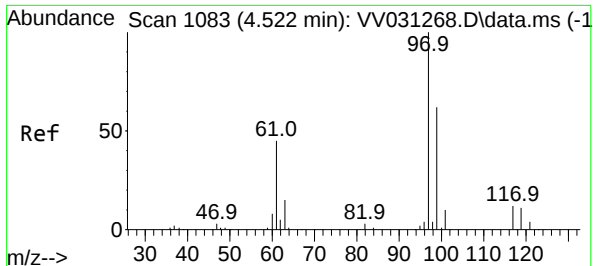
Tgt Ion: 62 Resp: 84238

Ion Ratio Lower Upper

62 100

98 8.5 6.1 9.1





#29

1,1,1-Trichloroethane

Concen: 4.634 ug/L

RT: 4.519 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005361

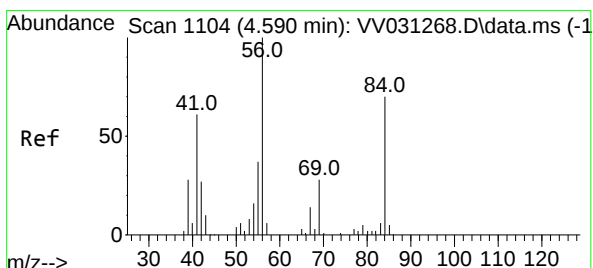
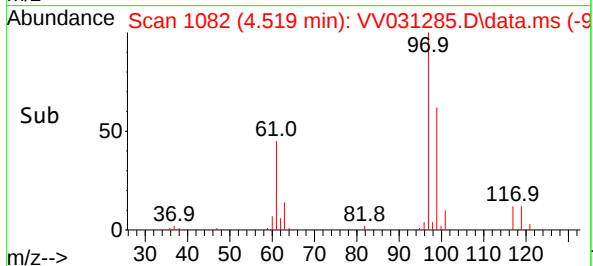
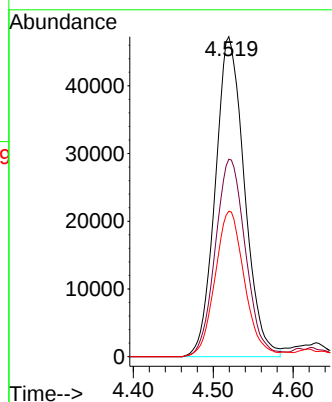
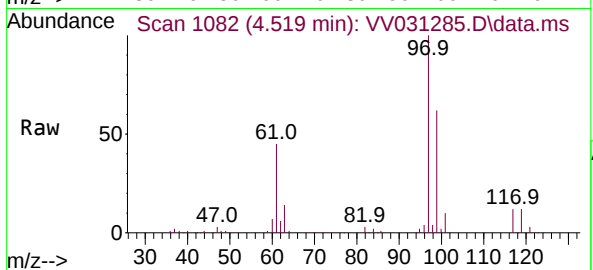
Tgt Ion: 97 Resp: 119669

Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.2

61 45.8 36.2 54.4



#30

Cyclohexane

Concen: 4.447 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

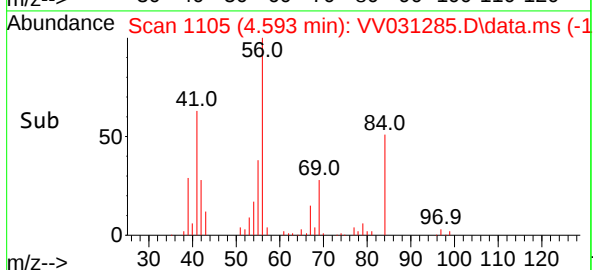
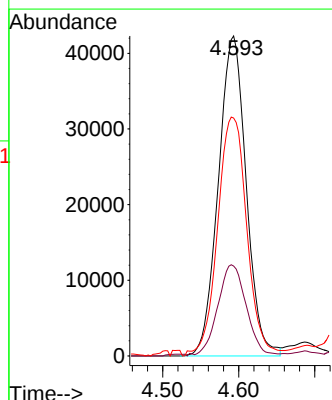
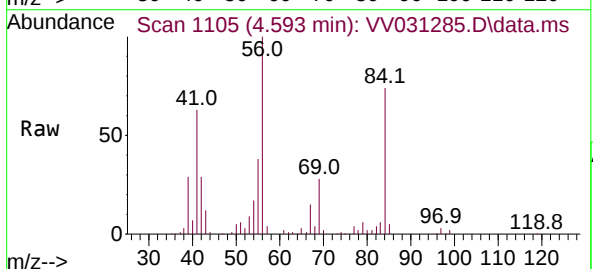
Tgt Ion: 56 Resp: 107599

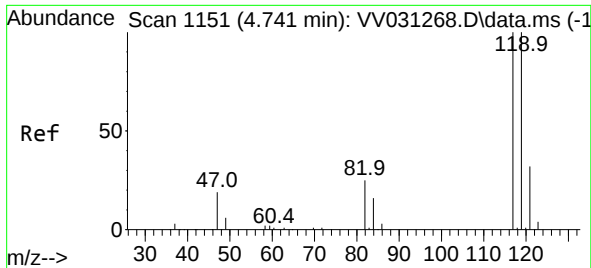
Ion Ratio Lower Upper

56 100

69 29.2 23.4 35.2

84 78.4 59.6 89.4

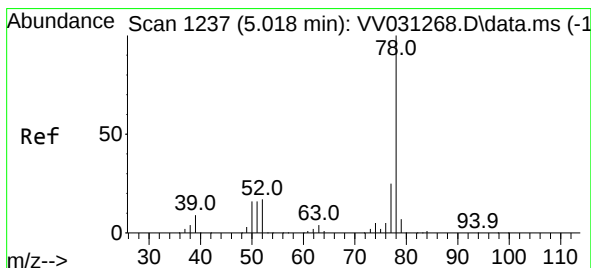
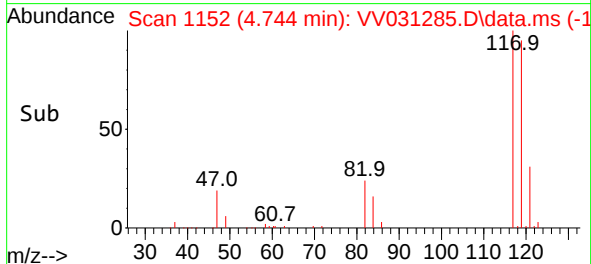
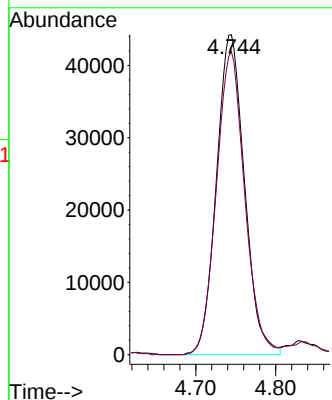
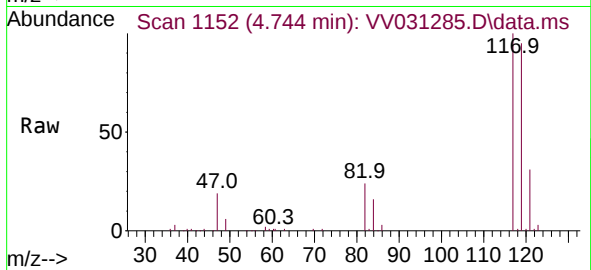




#31
Carbon tetrachloride
Concen: 4.655 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

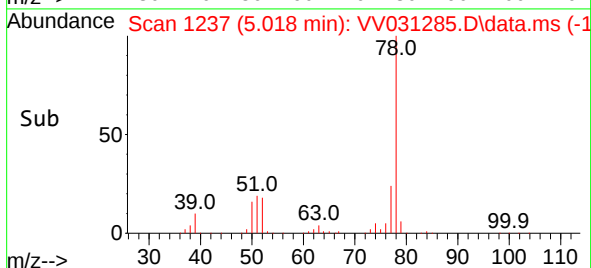
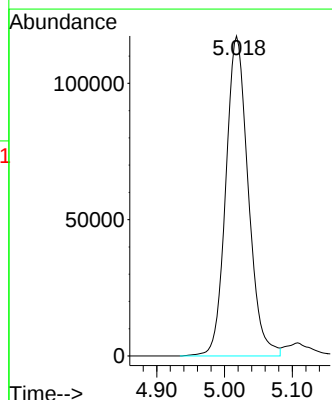
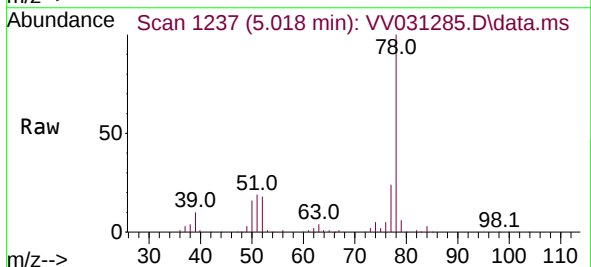
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

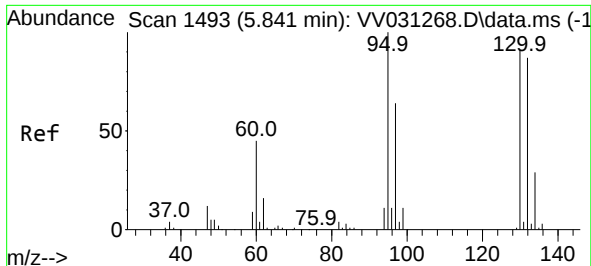
Tgt Ion:117 Resp: 107760
Ion Ratio Lower Upper
117 100
119 95.2 78.7 118.1



#33
Benzene
Concen: 4.765 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

Tgt Ion: 78 Resp: 269697

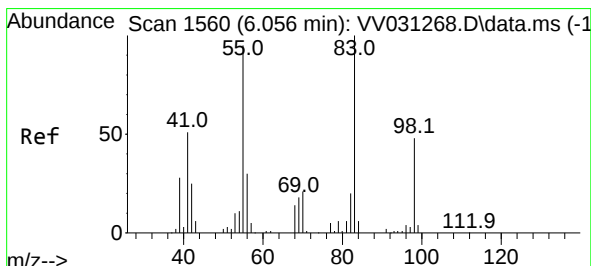
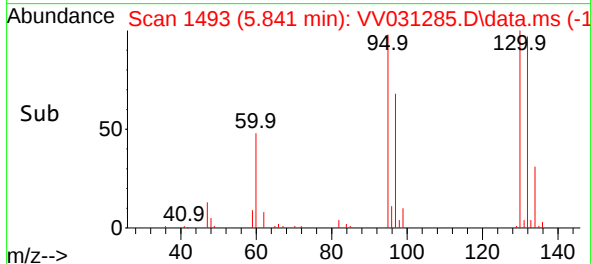
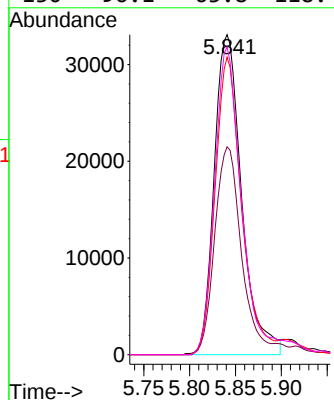
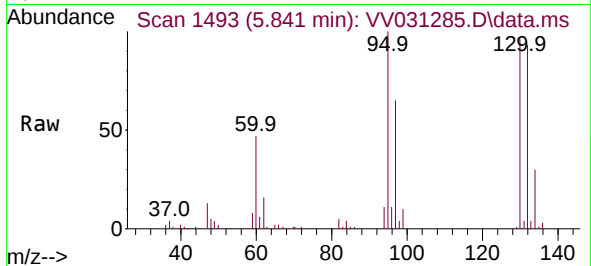




#34
Trichloroethene
Concen: 4.430 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

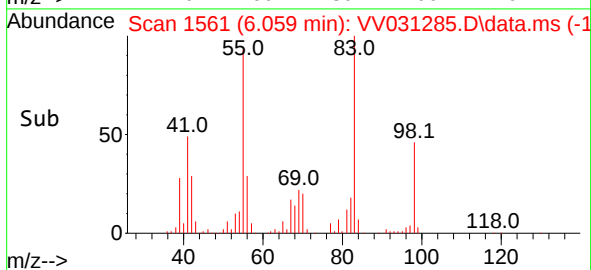
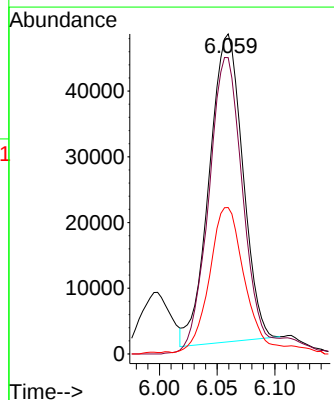
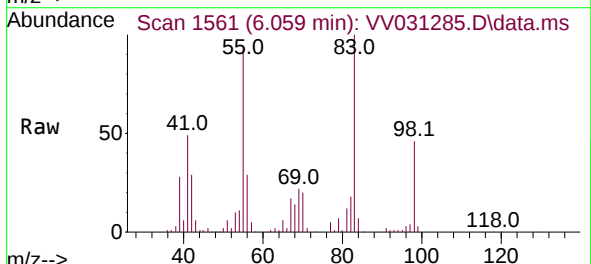
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

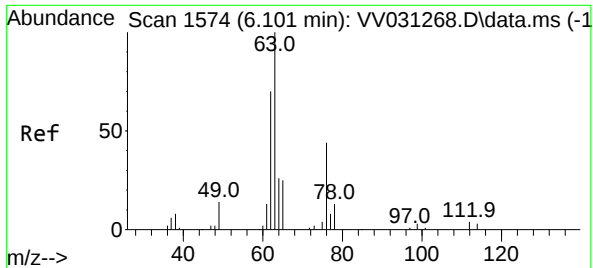
Tgt Ion: 95 Resp: 68786
Ion Ratio Lower Upper
95 100
97 65.0 44.7 83.1
132 92.9 61.1 113.5
130 96.1 63.8 118.4



#35
Methylcyclohexane
Concen: 4.120 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

Tgt Ion: 83 Resp: 94370
Ion Ratio Lower Upper
83 100
55 99.5 72.6 108.8
98 52.2 35.9 53.9





#37

1,2-Dichloropropane

Concen: 5.205 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

Instrument :

MSVOA_V

ClientSampleId :

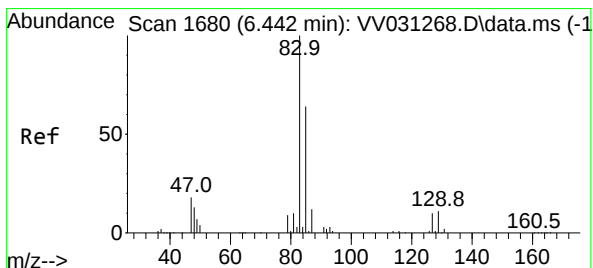
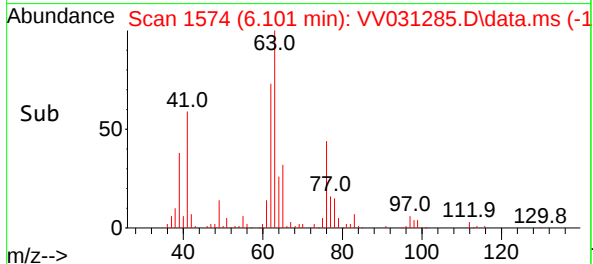
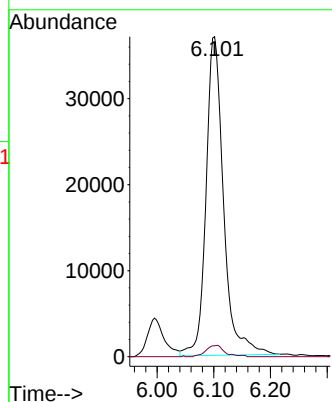
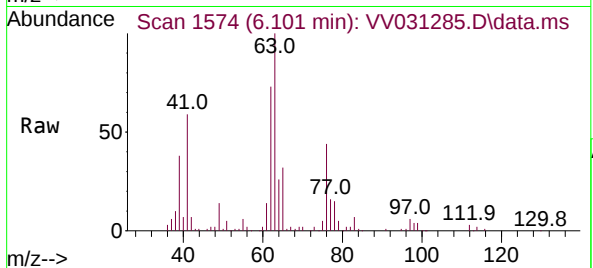
VSTD005361

Tgt Ion: 63 Resp: 79764

Ion Ratio Lower Upper

63 100

112 3.7 3.2 4.8



#38

Bromodichloromethane

Concen: 4.744 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.000 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

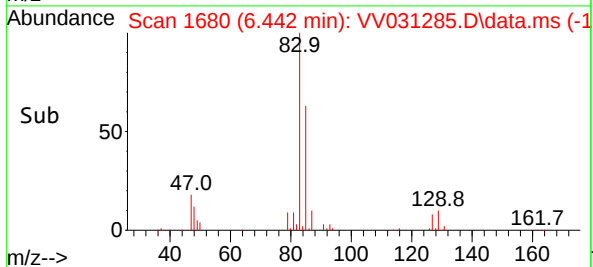
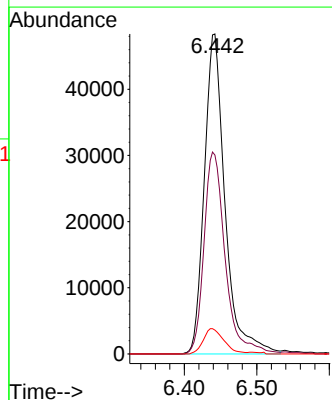
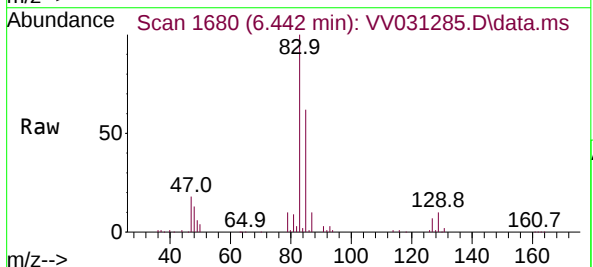
Tgt Ion: 83 Resp: 95995

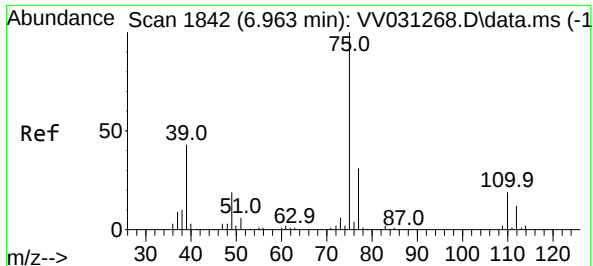
Ion Ratio Lower Upper

83 100

85 62.1 44.5 82.7

127 7.5 7.7 11.5#





#39

cis-1,3-Dichloropropene

Concen: 4.671 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

Instrument :

MSVOA_V

ClientSampleId :

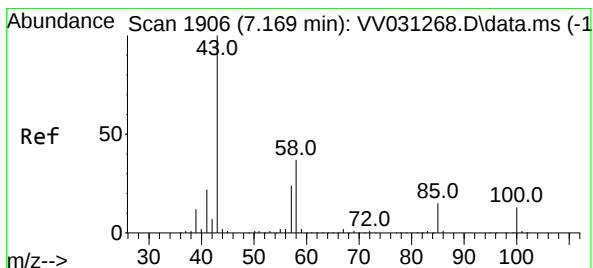
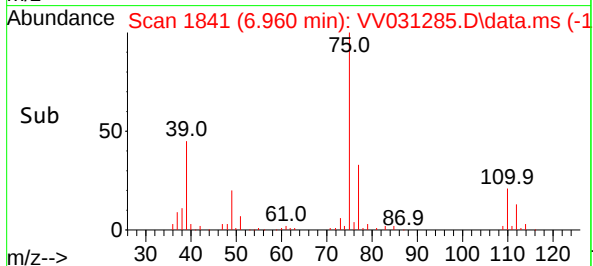
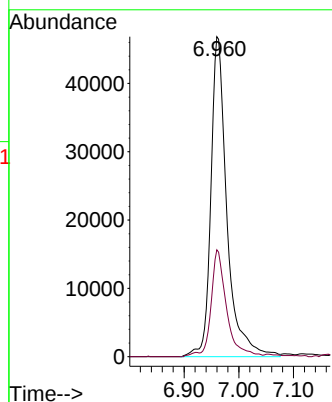
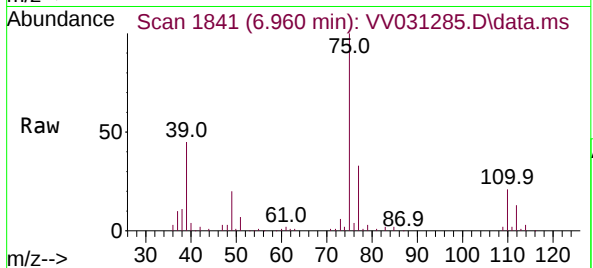
VSTD005361

Tgt Ion: 75 Resp: 95536

Ion Ratio Lower Upper

75 100

77 33.4 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 52.309 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. -0.003 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

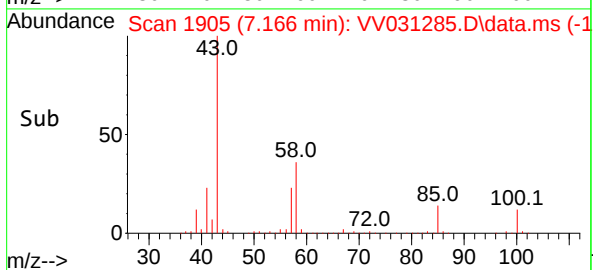
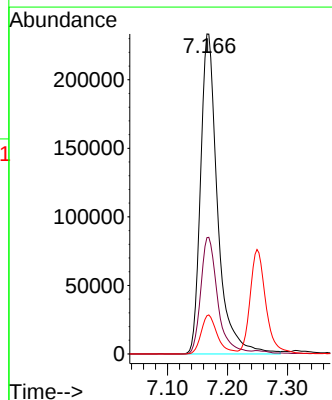
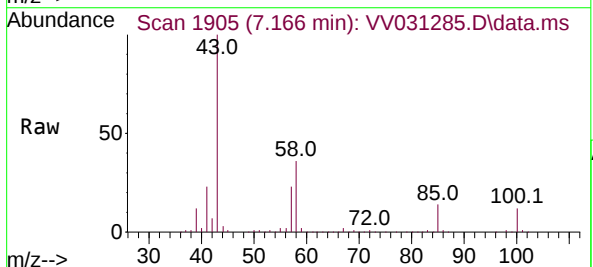
Tgt Ion: 43 Resp: 463050

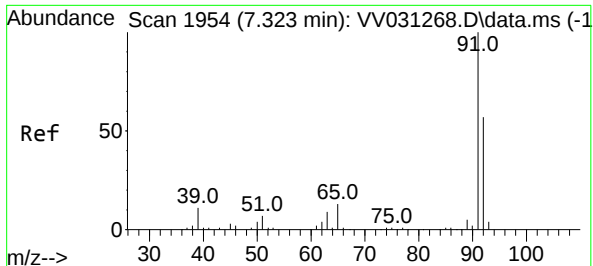
Ion Ratio Lower Upper

43 100

58 36.2 29.5 44.3

100 11.7 9.8 14.6





#42

Toluene

Concen: 5.058 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

Instrument :

MSVOA_V

ClientSampleId :

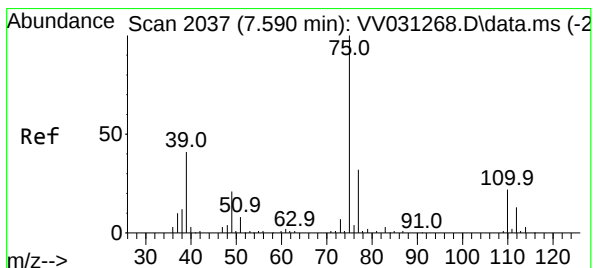
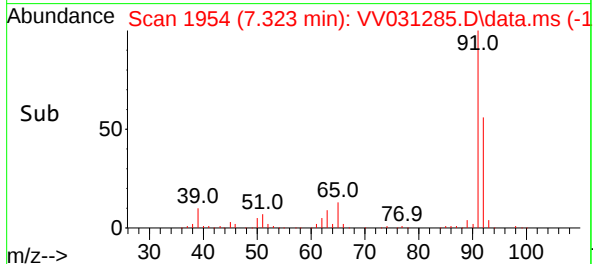
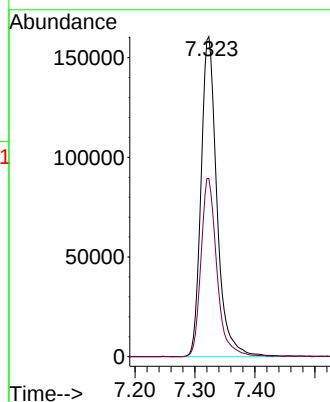
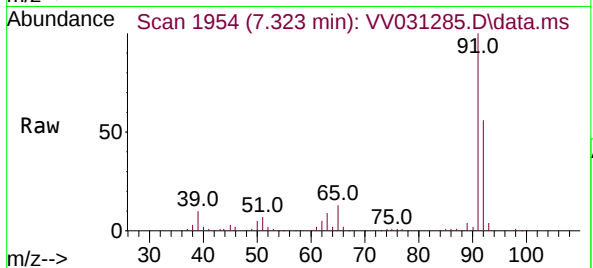
VSTD005361

Tgt Ion: 91 Resp: 296593

Ion Ratio Lower Upper

91 100

92 55.7 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 4.940 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV031285.D

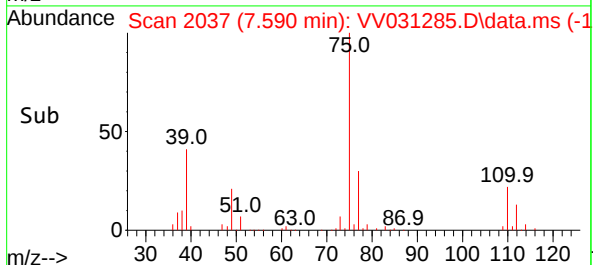
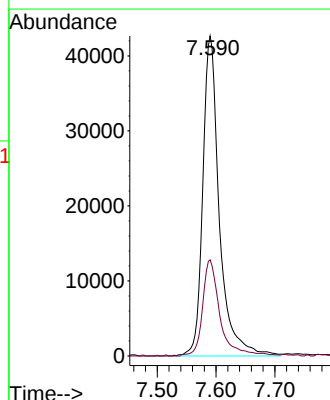
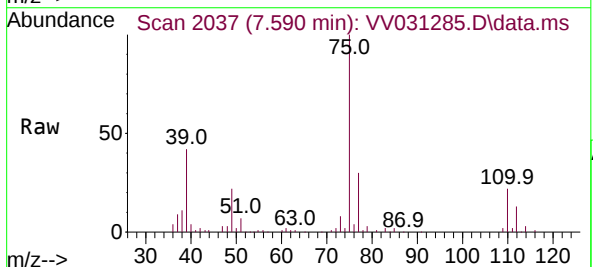
Acq: 30 May 2023 22:30

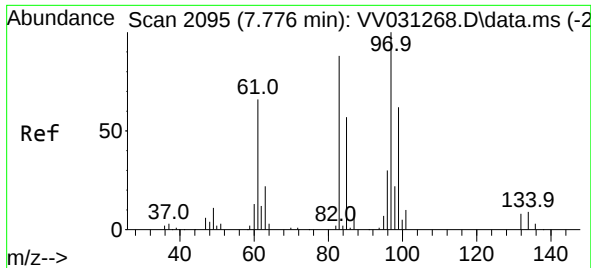
Tgt Ion: 75 Resp: 83466

Ion Ratio Lower Upper

75 100

77 30.1 22.4 41.6

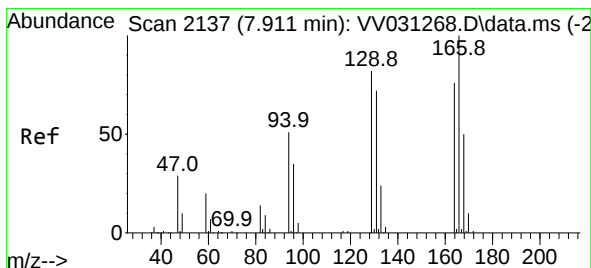
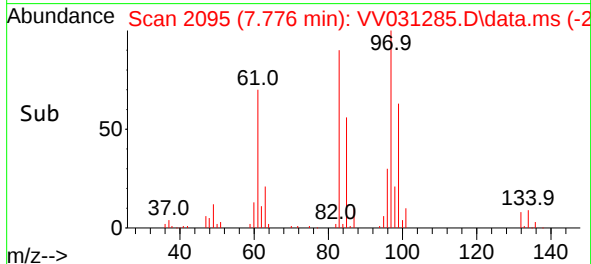
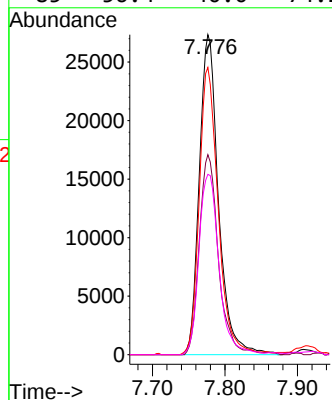
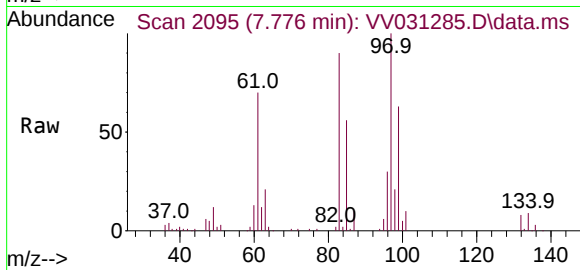




#45
1,1,2-Trichloroethane
Concen: 4.834 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

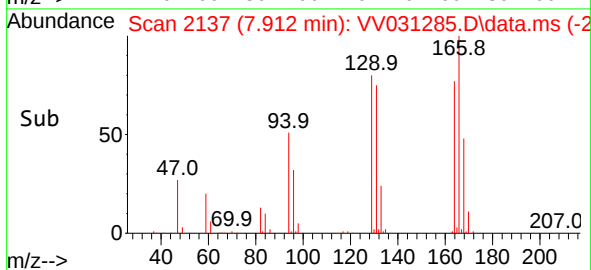
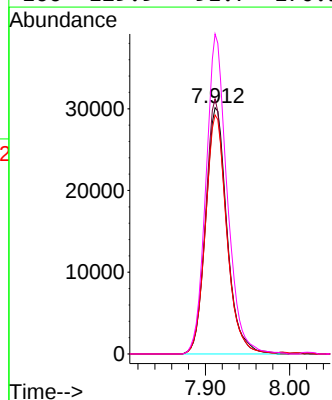
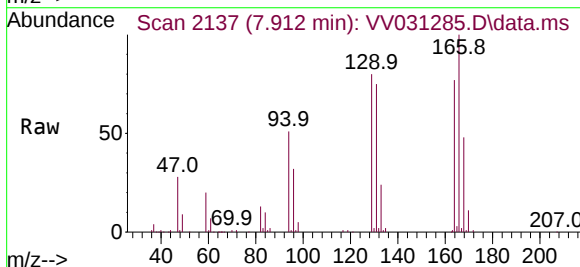
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

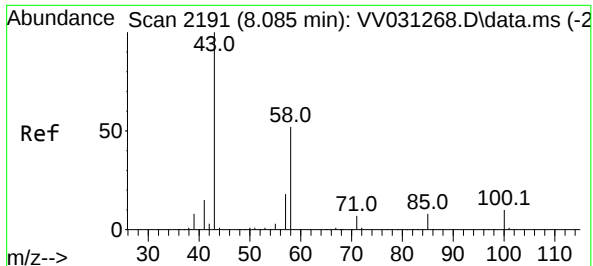
Tgt Ion:	97	Resp:	50437
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.8	81.3
83	89.8	61.8	114.8
85	56.4	40.0	74.2



#47
Tetrachloroethene
Concen: 4.555 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

Tgt Ion:	164	Resp:	53132
Ion	Ratio	Lower	Upper
164	100		
129	103.5	75.3	139.8
131	97.1	65.6	121.8
166	129.9	91.7	170.3



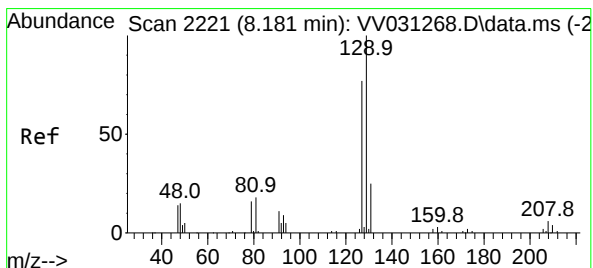
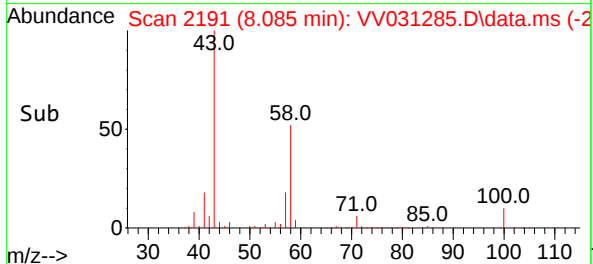
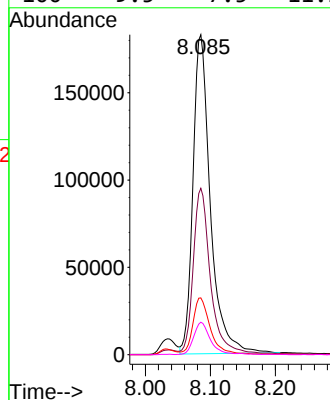
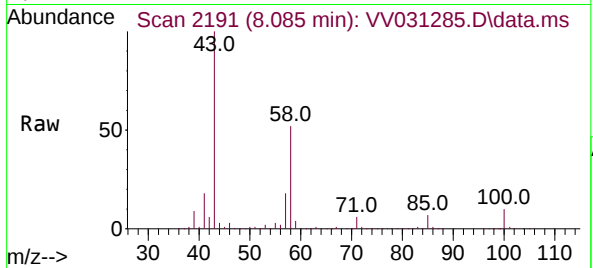


#48
2-Hexanone
Concen: 51.276 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

Tgt Ion: 43 Resp: 340691

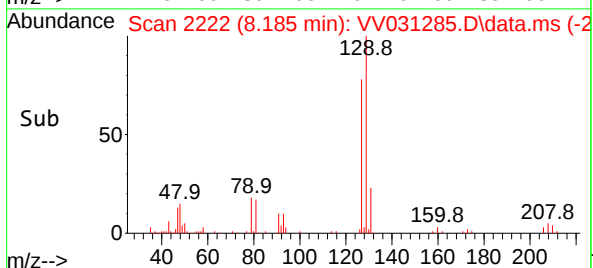
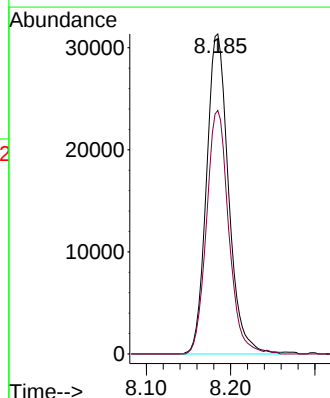
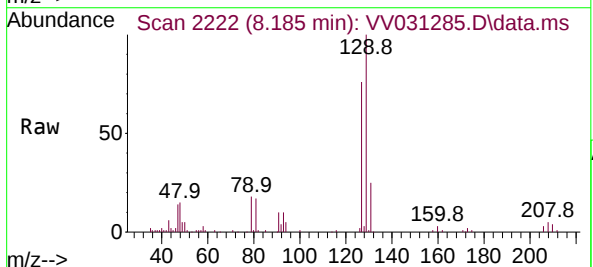
Ion	Ratio	Lower	Upper
43	100		
58	50.7	41.2	61.8
57	17.6	14.1	21.1
100	9.5	7.5	11.3

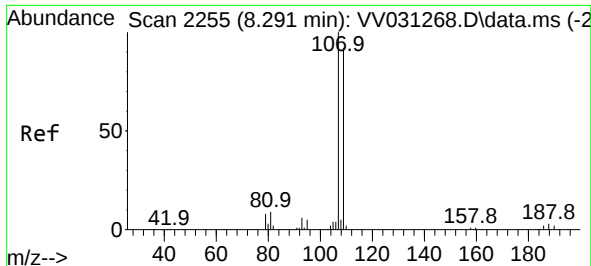


#49
Dibromochloromethane
Concen: 4.795 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

Tgt Ion: 129 Resp: 57104

Ion	Ratio	Lower	Upper
129	100		
127	76.1	54.1	100.5





#50

1,2-Dibromoethane

Concen: 4.821 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005361

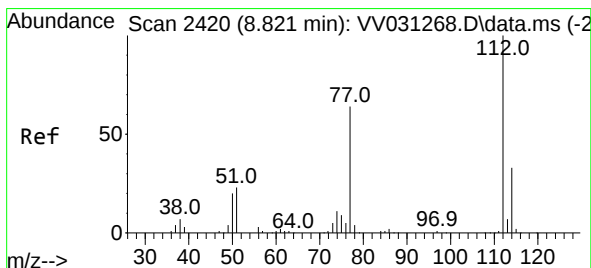
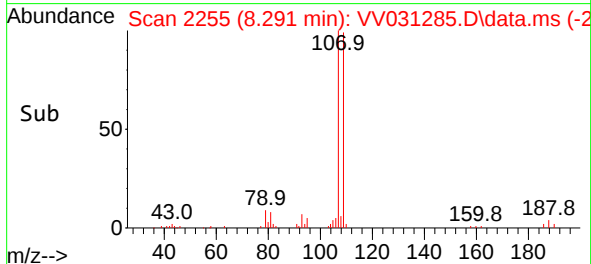
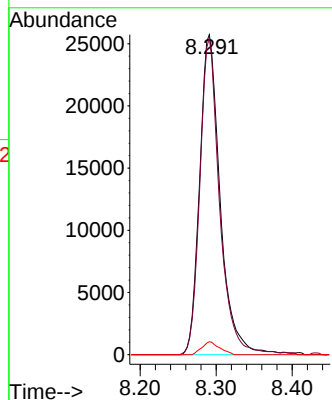
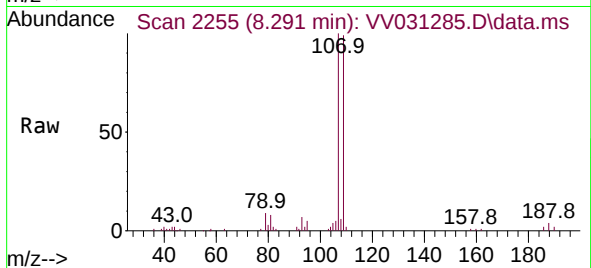
Tgt Ion:107 Resp: 48193

Ion Ratio Lower Upper

107 100

109 98.9 64.3 119.5

188 4.1 2.7 4.1



#51

Chlorobenzene

Concen: 4.799 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

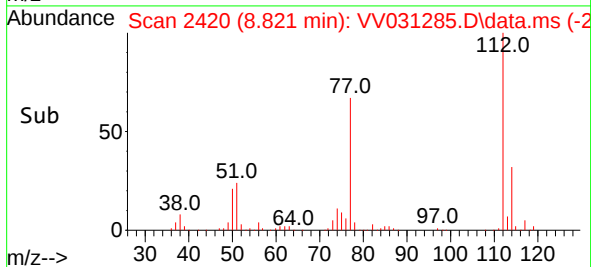
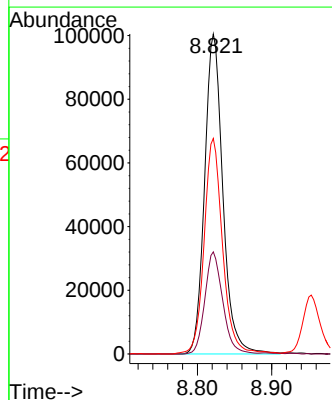
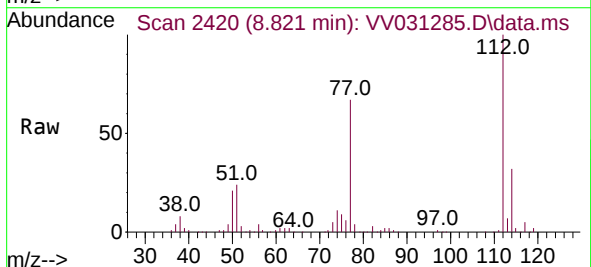
Tgt Ion:112 Resp: 171840

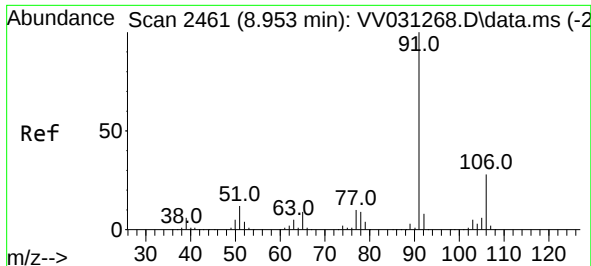
Ion Ratio Lower Upper

112 100

114 31.9 23.1 42.9

77 67.4 51.5 77.3





#52

Ethylbenzene

Concen: 4.861 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. 0.000 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

Instrument :

MSVOA_V

ClientSampleId :

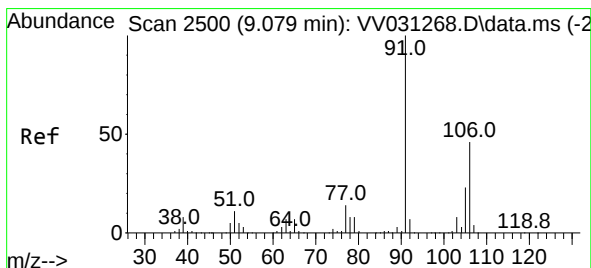
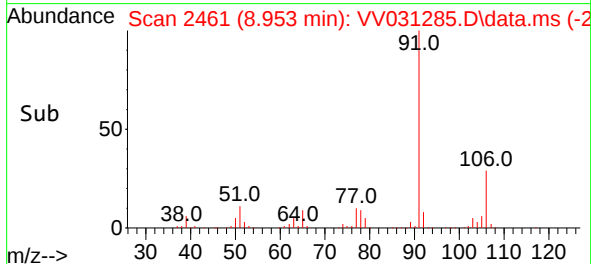
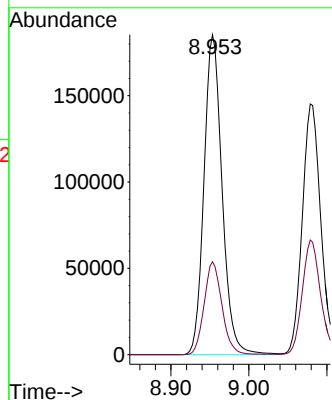
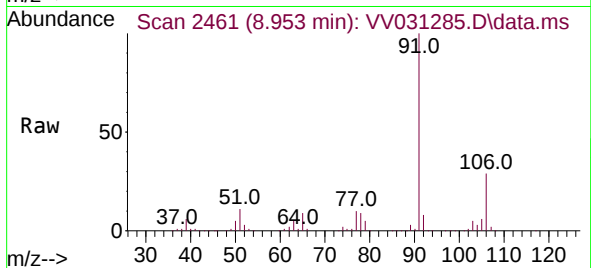
VSTD005361

Tgt Ion: 91 Resp: 299601

Ion Ratio Lower Upper

91 100

106 29.1 19.8 36.8



#53

m,p-Xylene

Concen: 4.915 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031285.D

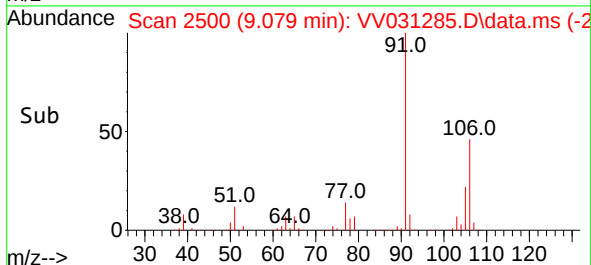
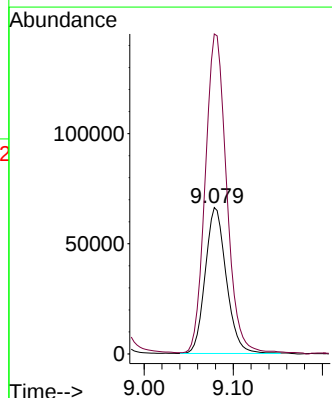
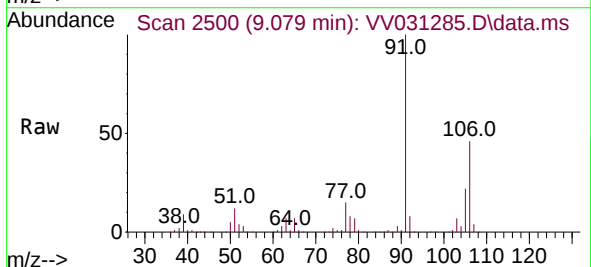
Acq: 30 May 2023 22:30

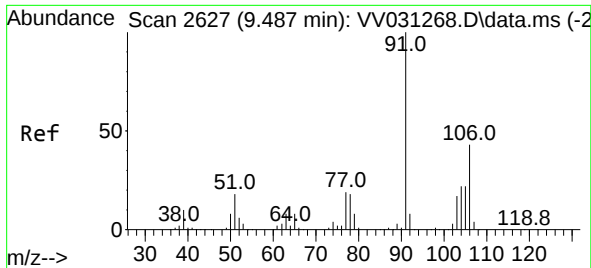
Tgt Ion: 106 Resp: 108748

Ion Ratio Lower Upper

106 100

91 218.7 152.3 282.9

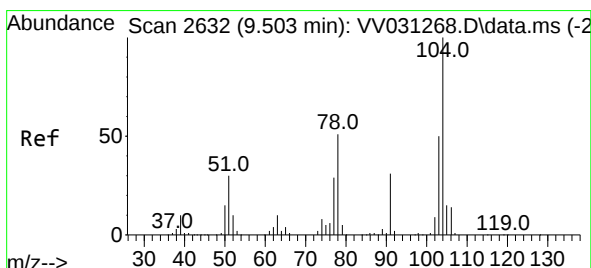
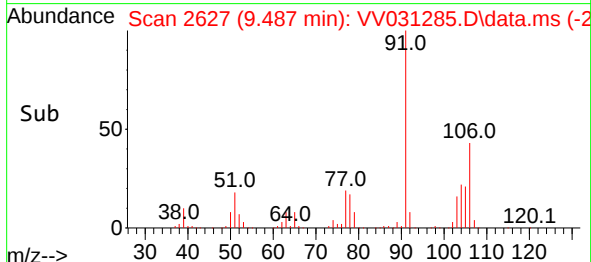
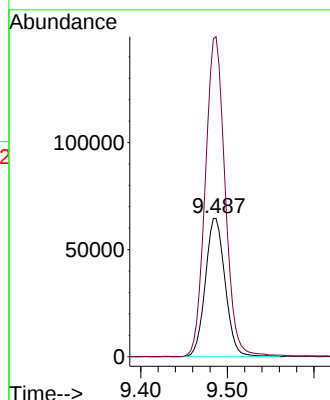
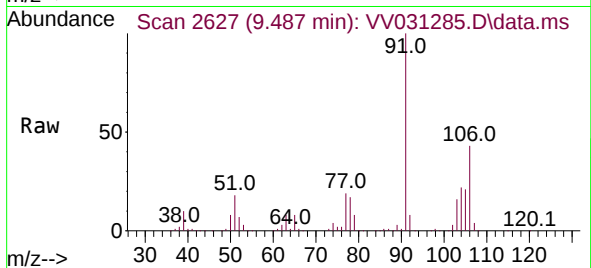




#54
o-Xylene
Concen: 4.921 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

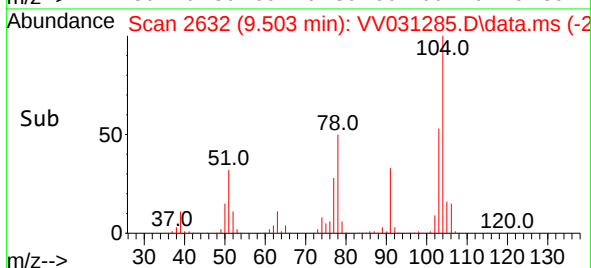
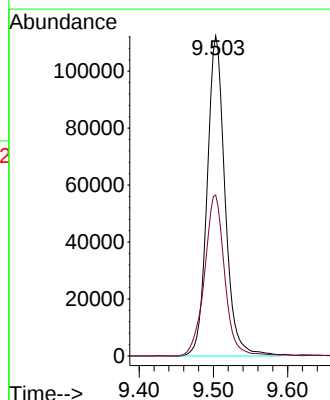
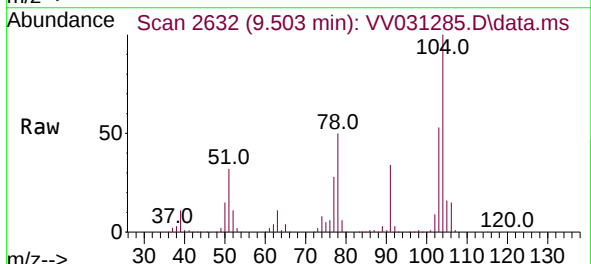
Instrument : MSVOA_V
ClientSampleId : VSTD005361

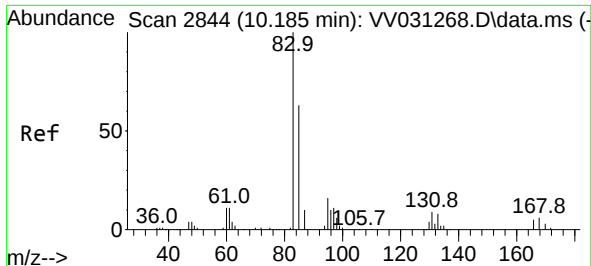
Tgt Ion:106 Resp: 102594
Ion Ratio Lower Upper
106 100
91 231.4 164.1 304.7



#55
Styrene
Concen: 5.093 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

Tgt Ion:104 Resp: 187800
Ion Ratio Lower Upper
104 100
78 50.3 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.008 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005361

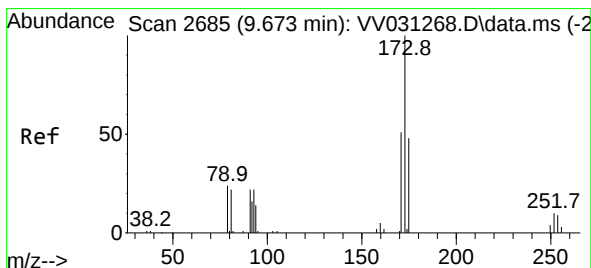
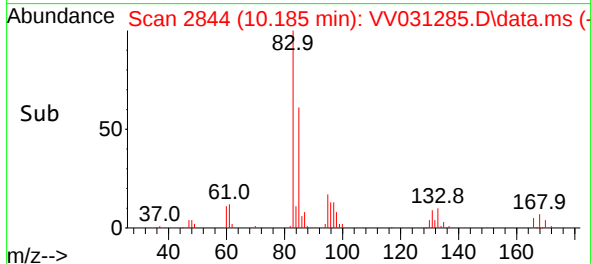
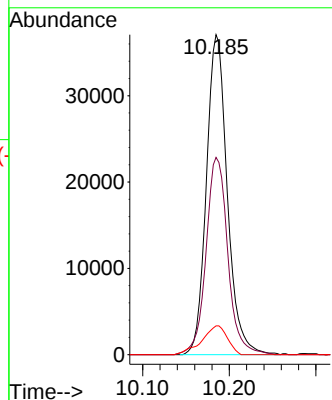
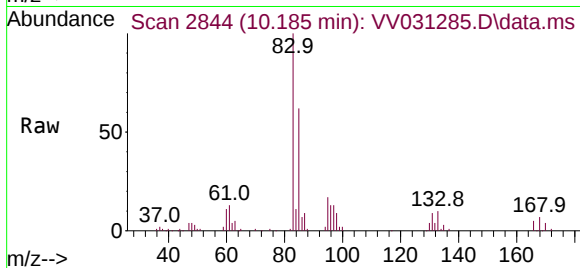
Tgt Ion: 83 Resp: 62240

Ion Ratio Lower Upper

83 100

85 61.7 43.8 81.4

131 9.0 7.0 10.6



#59

Bromoform

Concen: 4.558 ug/L

RT: 9.674 min Scan# 2685

Delta R.T. 0.000 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

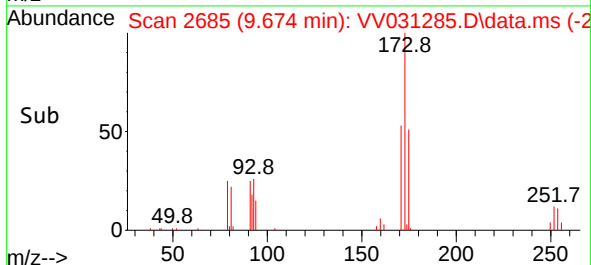
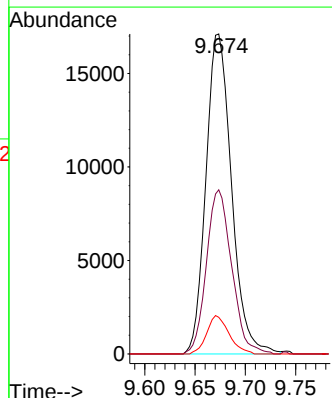
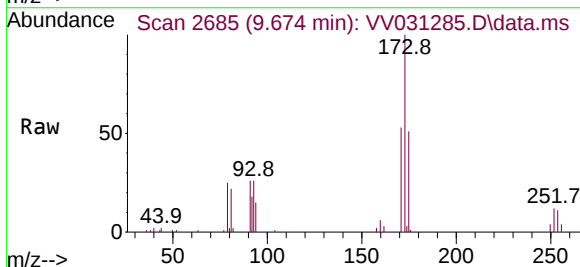
Tgt Ion: 173 Resp: 30314

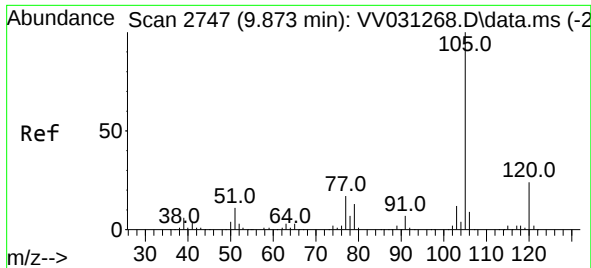
Ion Ratio Lower Upper

173 100

175 50.6 38.2 57.4

254 10.5 8.0 12.0

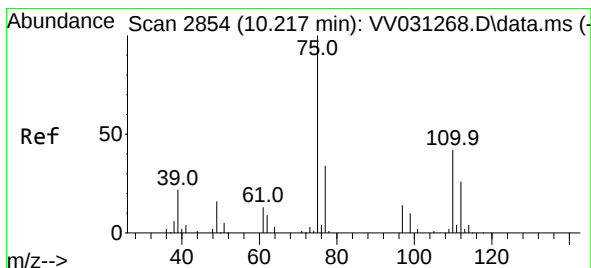
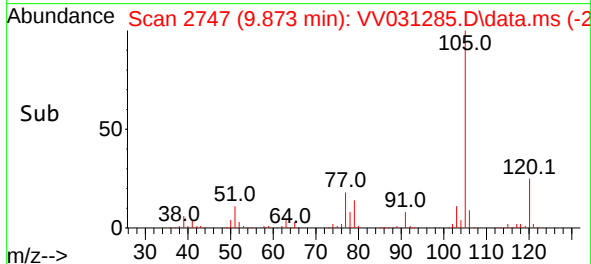
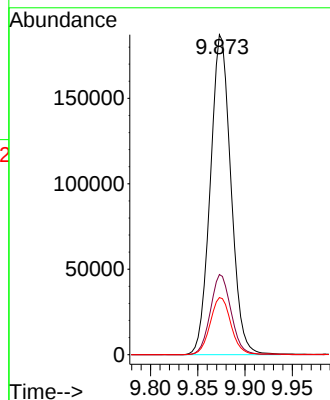
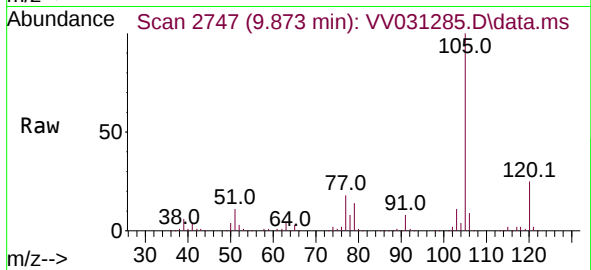




#60
Isopropylbenzene
Concen: 4.786 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

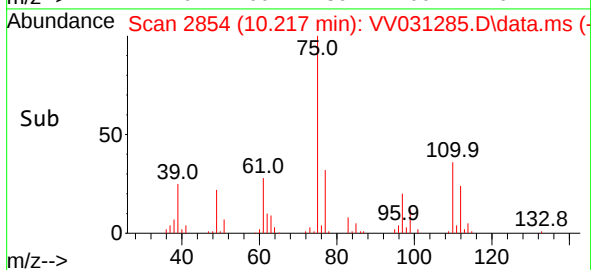
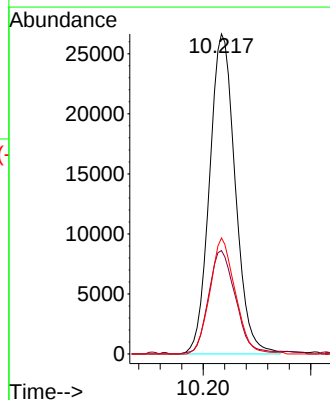
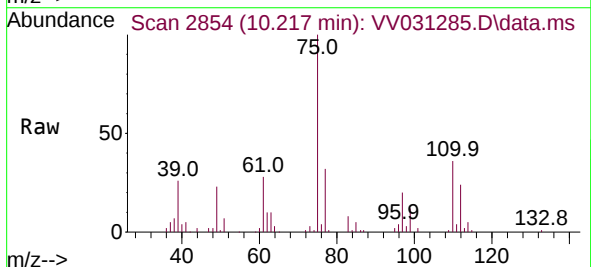
Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

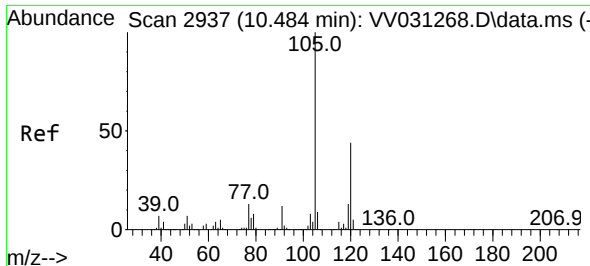
Tgt Ion:105 Resp: 283482
Ion Ratio Lower Upper
105 100
120 25.2 19.8 29.6
77 18.0 14.0 21.0



#61
1,2,3-Trichloropropane
Concen: 4.852 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

Tgt Ion: 75 Resp: 44240
Ion Ratio Lower Upper
75 100
77 34.0 27.0 40.6
110 35.6 31.9 47.9

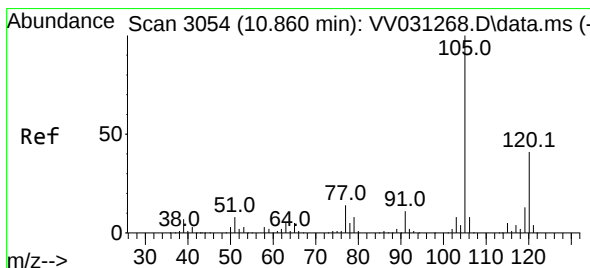
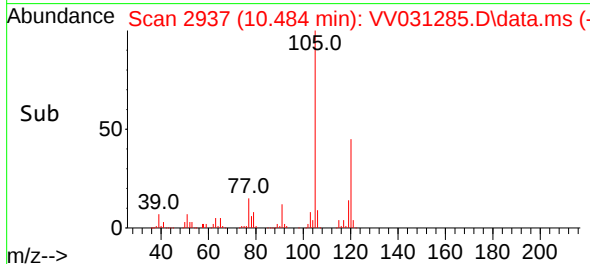
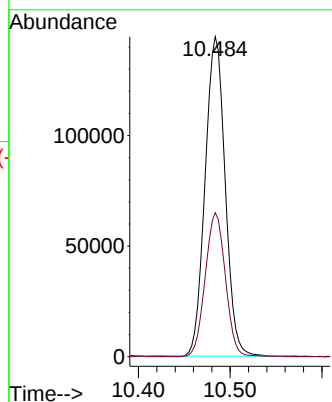
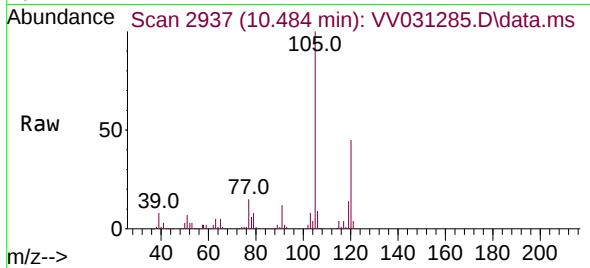




#62
 1,3,5-Trimethylbenzene
 Concen: 4.560 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031285.D
 Acq: 30 May 2023 22:30

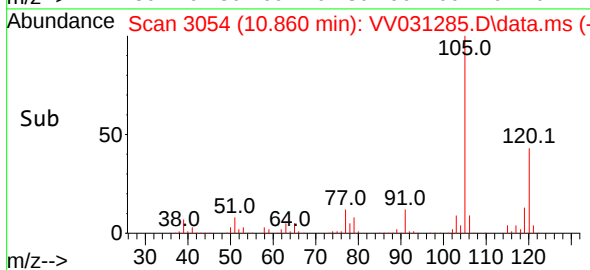
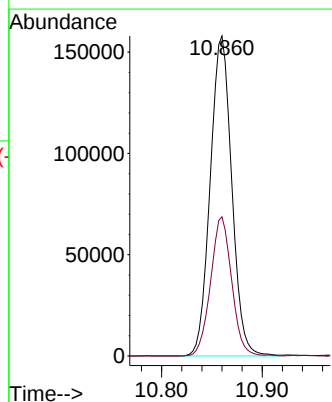
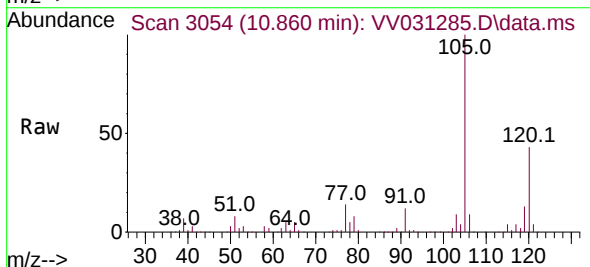
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005361

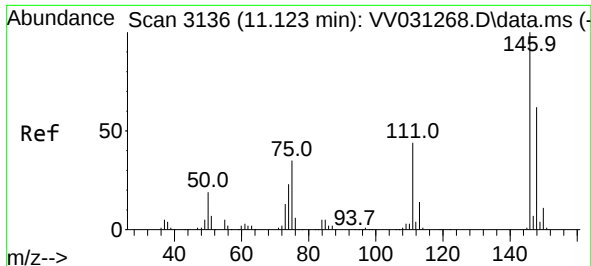
Tgt Ion:105 Resp: 219526
 Ion Ratio Lower Upper
 105 100
 120 45.4 35.8 53.6



#63
 1,2,4-Trimethylbenzene
 Concen: 4.771 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. 0.000 min
 Lab File: VV031285.D
 Acq: 30 May 2023 22:30

Tgt Ion:105 Resp: 234943
 Ion Ratio Lower Upper
 105 100
 120 42.5 33.9 50.9

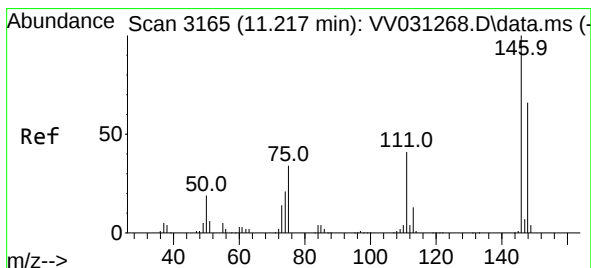
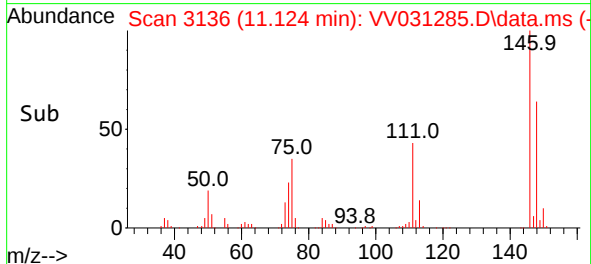
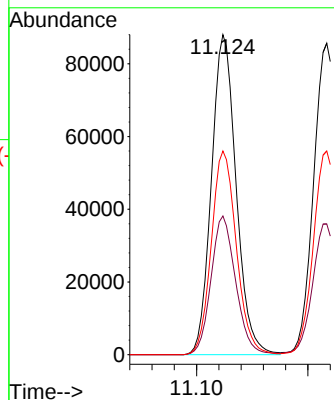
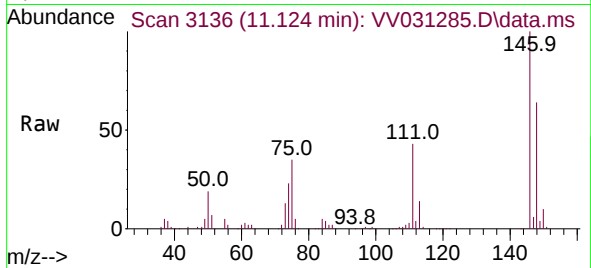




#64
 1,3-Dichlorobenzene
 Concen: 4.764 ug/L
 RT: 11.124 min Scan# 3136
 Delta R.T. 0.000 min
 Lab File: VV031285.D
 Acq: 30 May 2023 22:30

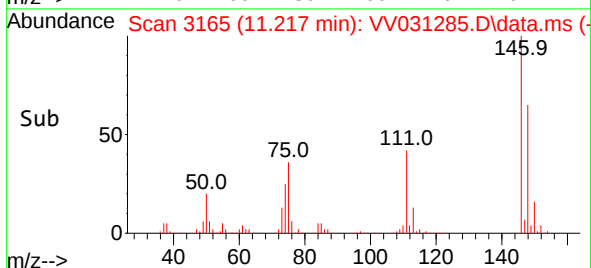
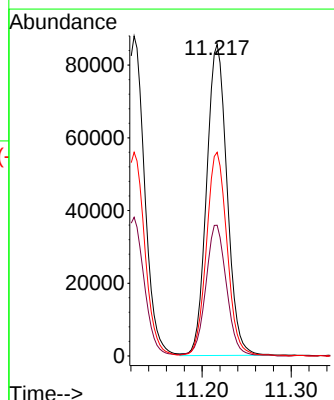
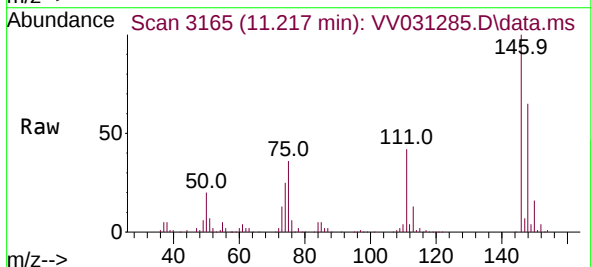
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005361

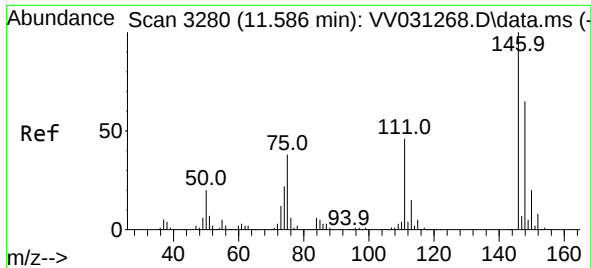
Tgt Ion:146 Resp: 135473
 Ion Ratio Lower Upper
 146 100
 111 43.3 30.4 56.5
 148 63.7 43.6 81.0



#65
 1,4-Dichlorobenzene
 Concen: 4.773 ug/L
 RT: 11.217 min Scan# 3165
 Delta R.T. 0.000 min
 Lab File: VV031285.D
 Acq: 30 May 2023 22:30

Tgt Ion:146 Resp: 136295
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.1 54.1
 148 65.4 46.2 85.8





#67

1,2-Dichlorobenzene

Concen: 4.864 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005361

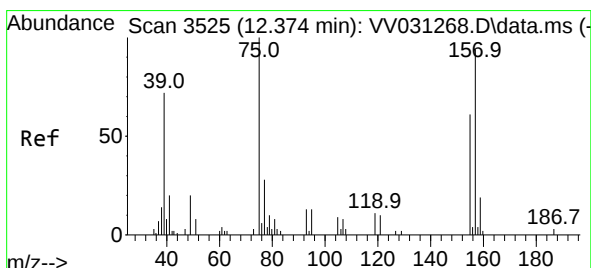
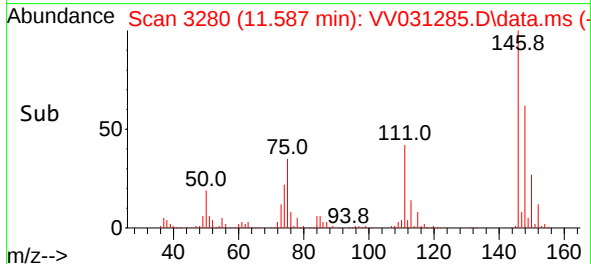
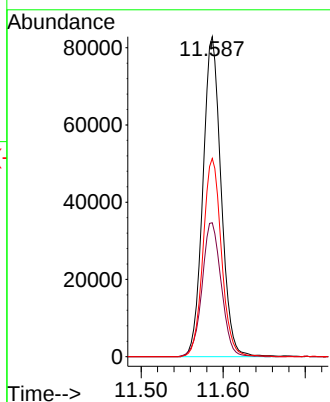
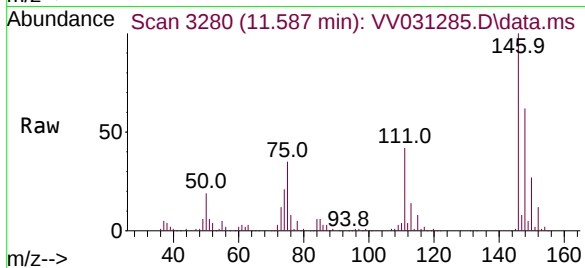
Tgt Ion:146 Resp: 127381

Ion Ratio Lower Upper

146 100

111 41.9 37.0 55.4

148 61.9 52.3 78.5



#68

1,2-Dibromo-3-chloropropane

Concen: 4.660 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.000 min

Lab File: VV031285.D

Acq: 30 May 2023 22:30

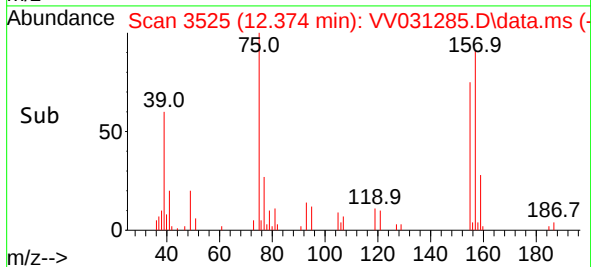
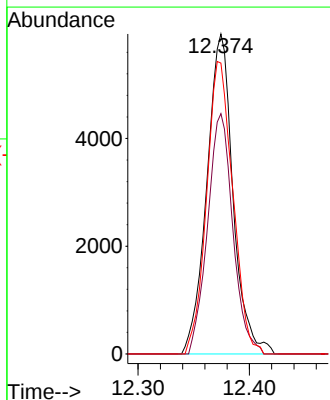
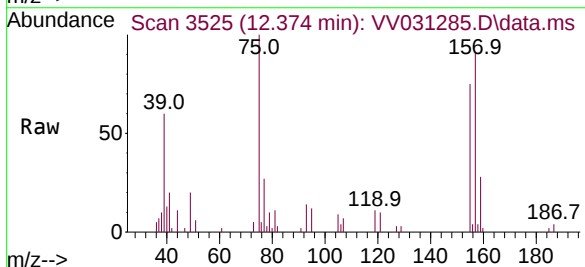
Tgt Ion: 75 Resp: 9731

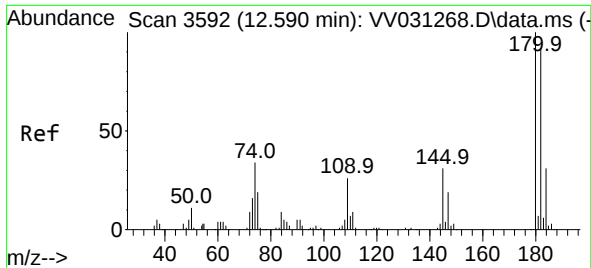
Ion Ratio Lower Upper

75 100

155 75.1 49.0 73.6#

157 90.9 75.6 113.4

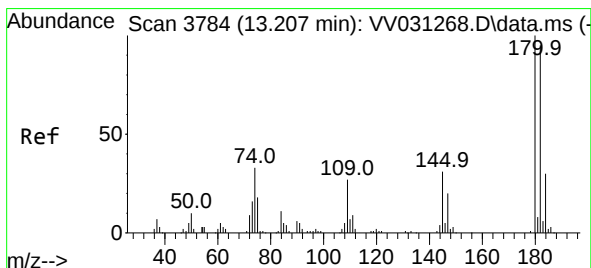
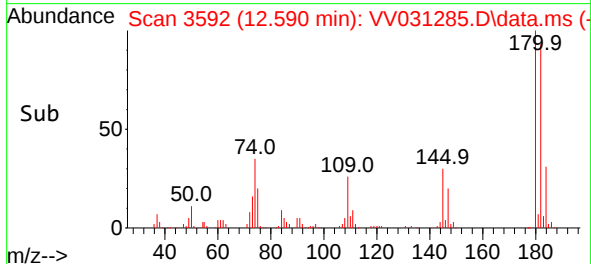
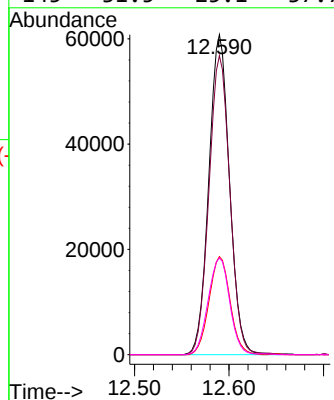
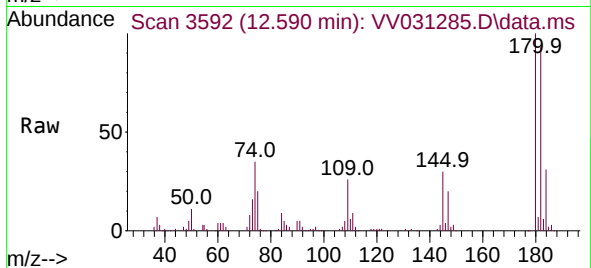




#69
 1,3,5-Trichlorobenzene
 Concen: 4.424 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV031285.D
 Acq: 30 May 2023 22:30

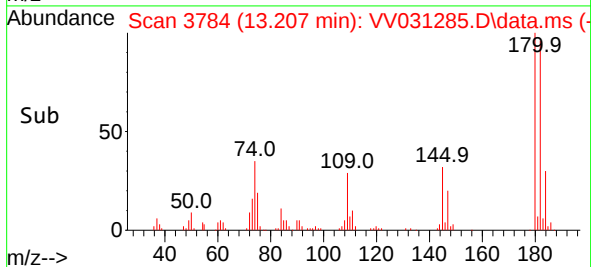
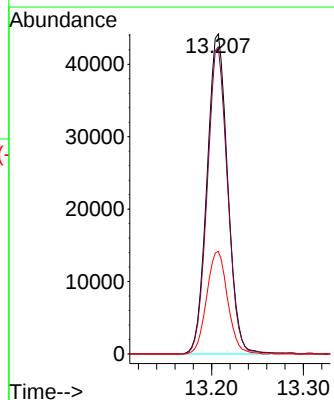
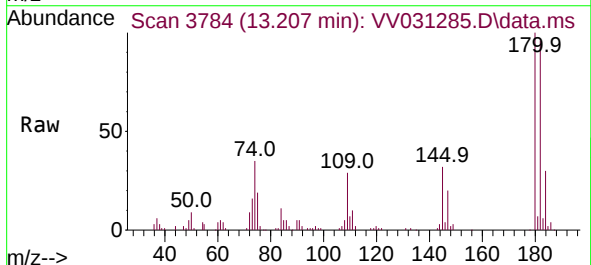
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005361

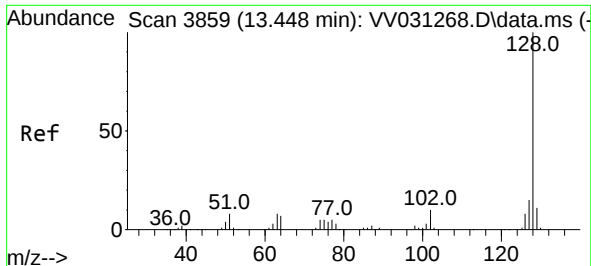
Tgt Ion:180	Resp:	92312
Ion Ratio	Lower	Upper
180	100	
182	94.7	74.5 111.7
184	31.3	24.2 36.2
145	31.5	25.1 37.7



#70
 1,2,4-trichlorobenzene
 Concen: 4.480 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.000 min
 Lab File: VV031285.D
 Acq: 30 May 2023 22:30

Tgt Ion:180	Resp:	69052
Ion Ratio	Lower	Upper
180	100	
182	94.7	76.5 114.7
145	32.5	25.3 37.9

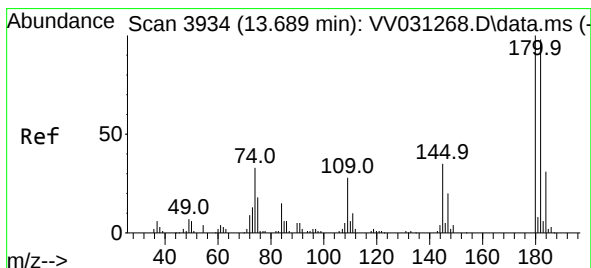
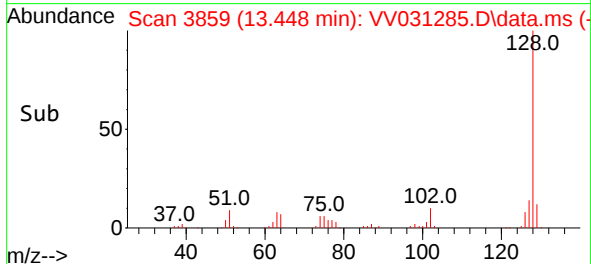
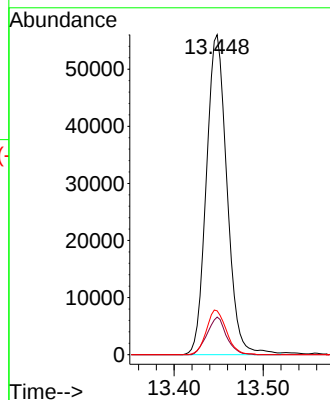
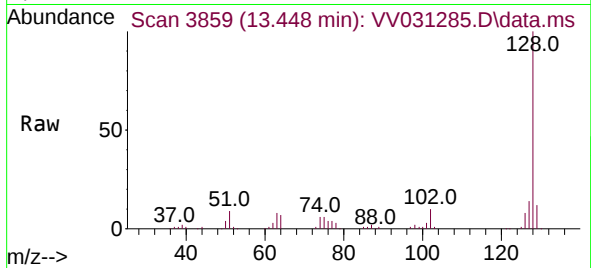




#71
Naphthalene
Concen: 4.186 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD005361

Tgt Ion:128	Resp:	89998
Ion Ratio	Lower	Upper
128	100	
129	11.0	8.8 13.2
127	13.5	11.3 16.9



#72
1,2,3-Trichlorobenzene
Concen: 4.472 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.003 min
Lab File: VV031285.D
Acq: 30 May 2023 22:30

Tgt Ion:180	Resp:	63259
Ion Ratio	Lower	Upper
180	100	
182	95.1	76.5 114.7
145	33.7	27.8 41.8

