

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041023\
 Data File : VW030484.D
 Acq On : 10 Apr 2023 21:49
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005327

Quant Time: Apr 11 06:34:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 11 06:24:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	122451	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	121266	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	70958	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	28437	3.506	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.200%
7) Chloroethane-d5	1.539	69	31580	4.013	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.200%
11) 1,1-Dichloroethene-d2	2.066	63	80667	4.192	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.800%
20) 2-Butanone-d5	3.825	46	95732	45.670	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.340%
24) Chloroform-d	4.262	84	91666	4.670	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	4.957	65	43791	4.729	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	4.973	84	156046	4.567	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
36) 1,2-Dichloropropane-d6	6.001	67	46530	4.349	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.000%
41) Toluene-d8	7.252	98	148267	4.725	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	7.561	79	16731	4.154	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.037	63	74007	45.723	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.440%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	38744	4.595	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	11.570	152	58821	4.638	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	62721	4.029	ug/L	99
3) Chloromethane	1.217	50	70198	3.574	ug/L	99
5) Vinyl chloride	1.285	62	58913	4.114	ug/L	97
6) Bromomethane	1.494	94	21313	5.218	ug/L	99
8) Chloroethane	1.555	64	35702	4.352	ug/L	96
9) Trichlorofluoromethane	1.719	101	98145	4.701	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	51015	4.428	ug/L	99
12) 1,1-Dichloroethene	2.076	96	48509	4.741	ug/L	88
13) Acetone	2.150	43	69839	34.841	ug/L	78
14) Carbon disulfide	2.246	76	140542	4.170	ug/L	100
15) Methyl Acetate	2.394	43	16134	4.504	ug/L	96
16) Methylene chloride	2.455	84	65660	5.426	ug/L	97
17) Methyl tert-butyl Ether	2.715	73	92829	4.284	ug/L	99
18) trans-1,2-Dichloroethene	2.703	96	45977	4.266	ug/L	96
19) 1,1-Dichloroethane	3.121	63	91238	4.366	ug/L	98
21) 2-Butanone	3.905	43	102000	40.429	ug/L	99
22) cis-1,2-Dichloroethene	3.828	96	48687	4.501	ug/L	96
23) Bromochloromethane	4.162	128	22390	4.432	ug/L	93
25) Chloroform	4.291	83	97932	4.638	ug/L	94

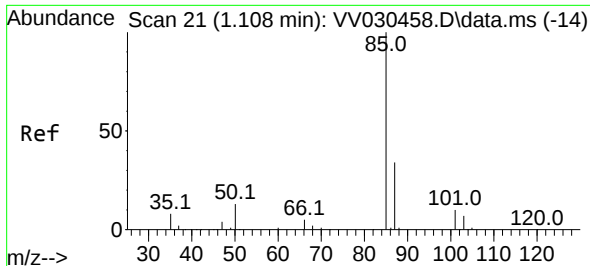
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041023\
 Data File : VW030484.D
 Acq On : 10 Apr 2023 21:49
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005327

Quant Time: Apr 11 06:34:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 11 06:24:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	59424	4.654	ug/L	96
29) 1,1,1-Trichloroethane	4.522	97	92370	4.739	ug/L	100
30) Cyclohexane	4.596	56	71131	4.006	ug/L	97
31) Carbon tetrachloride	4.747	117	80710	4.564	ug/L	99
33) Benzene	5.021	78	191047	4.435	ug/L	100
34) Trichloroethene	5.844	95	51656	4.447	ug/L	99
35) Methylcyclohexane	6.063	83	75678	4.151	ug/L	99
37) 1,2-Dichloropropane	6.104	63	47432	4.290	ug/L	99
38) Bromodichloromethane	6.442	83	65355	4.513	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	63235	4.067	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	256967	44.101	ug/L	99
42) Toluene	7.323	91	217291	4.737	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	55064	4.162	ug/L	98
45) 1,1,2-Trichloroethane	7.780	97	34497	4.431	ug/L	96
47) Tetrachloroethene	7.915	164	47172	4.601	ug/L	97
48) 2-Hexanone	8.085	43	188697	43.241	ug/L	97
49) Dibromochloromethane	8.185	129	42320	4.566	ug/L	99
50) 1,2-Dibromoethane	8.291	107	31484	4.445	ug/L #	92
51) Chlorobenzene	8.821	112	134001	4.562	ug/L	97
52) Ethylbenzene	8.953	91	222702	4.437	ug/L	98
53) m,p-Xylene	9.082	106	88133	4.587	ug/L	99
54) o-Xylene	9.487	106	81512	4.434	ug/L	98
55) Styrene	9.503	104	146888	4.704	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.188	83	40785	4.413	ug/L	100
59) Bromoform	9.673	173	25309	4.413	ug/L	100
60) Isopropylbenzene	9.876	105	228031	4.358	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	28410	4.478	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	181858	4.259	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	188149	4.324	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	118690	4.548	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	116959	4.449	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	108408	4.610	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.374	75	7014	4.445	ug/L	93
69) 1,3,5-Trichlorobenzene	12.593	180	89053	4.432	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	68557	4.419	ug/L	99
71) Naphthalene	13.448	128	88565	3.998	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	58903	4.383	ug/L	98

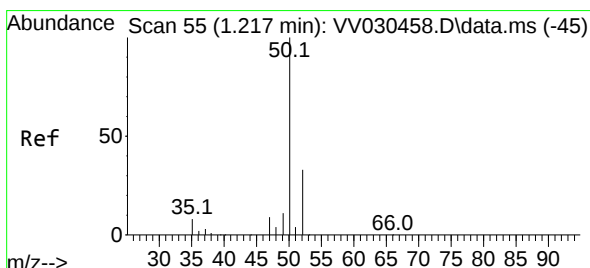
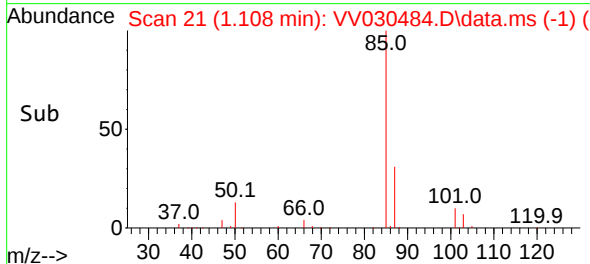
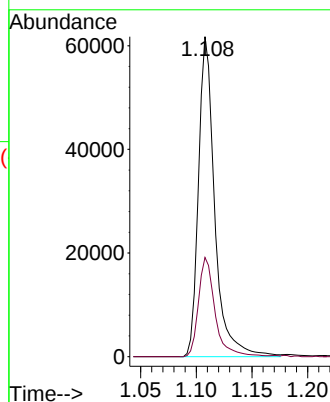
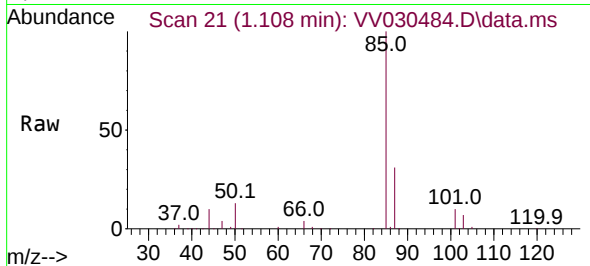
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.029 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030484.D
 Acq: 10 Apr 2023 21:49

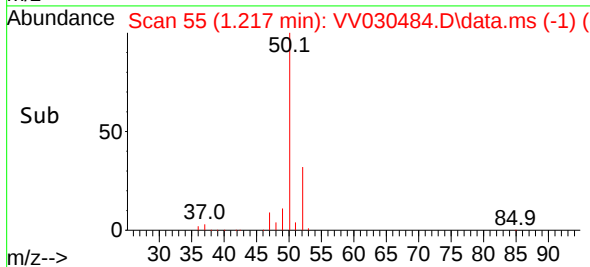
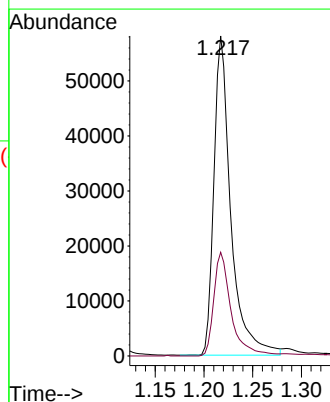
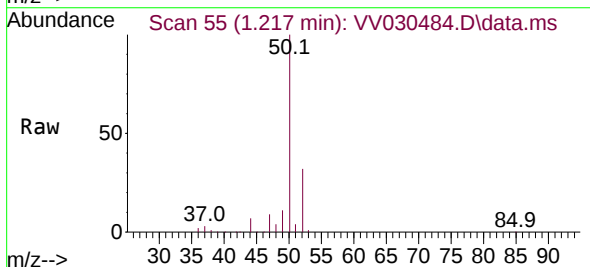
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005327

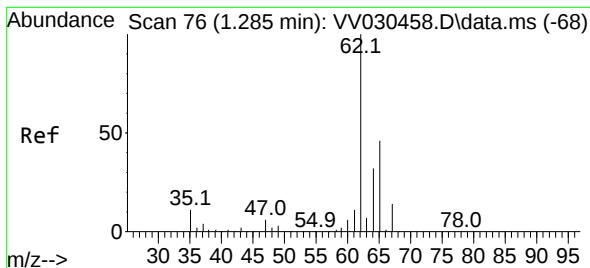
Tgt Ion: 85 Resp: 62721
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.6 38.4



#3
 Chloromethane
 Concen: 3.574 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030484.D
 Acq: 10 Apr 2023 21:49

Tgt Ion: 50 Resp: 70198
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.3 41.5

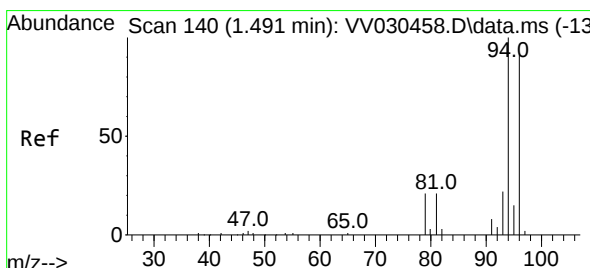
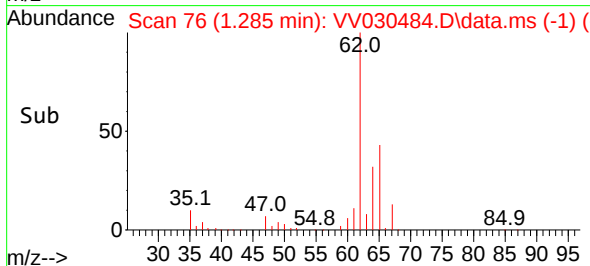
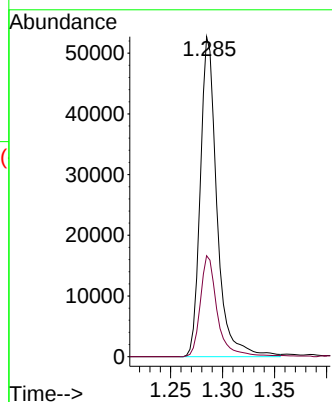
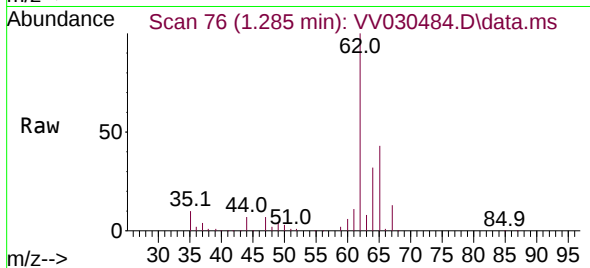




#5
 Vinyl chloride
 Concen: 4.114 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030484.D
 Acq: 10 Apr 2023 21:49

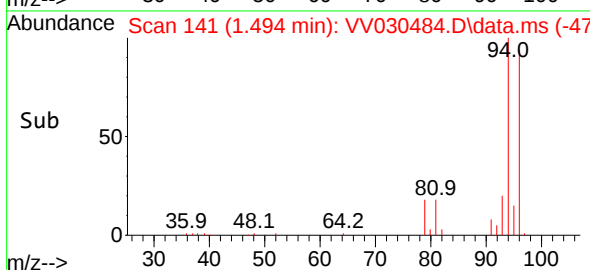
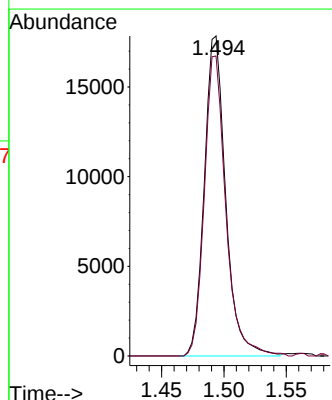
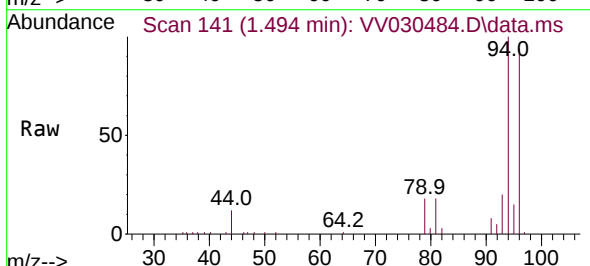
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005327

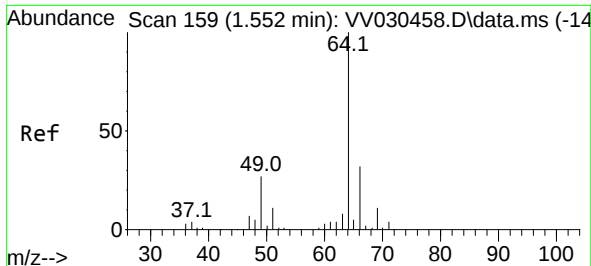
Tgt Ion: 62 Resp: 58913
 Ion Ratio Lower Upper
 62 100
 64 31.6 23.2 43.2



#6
 Bromomethane
 Concen: 5.218 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV030484.D
 Acq: 10 Apr 2023 21:49

Tgt Ion: 94 Resp: 21313
 Ion Ratio Lower Upper
 94 100
 96 93.8 66.1 122.7

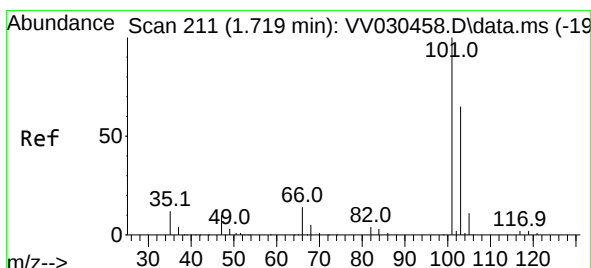
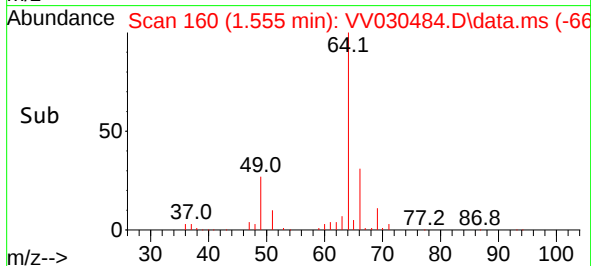
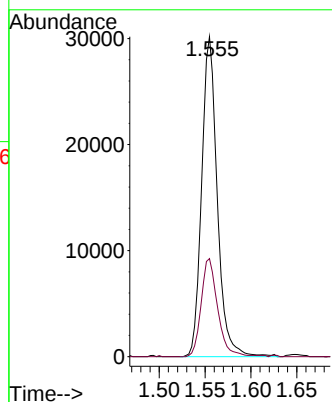
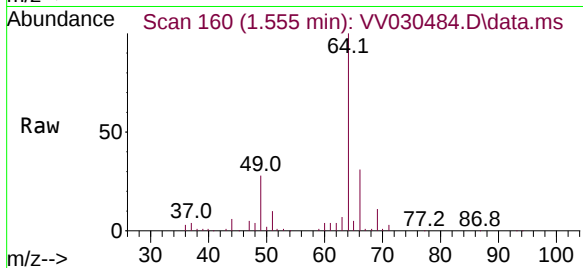




#8
Chloroethane
Concen: 4.352 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

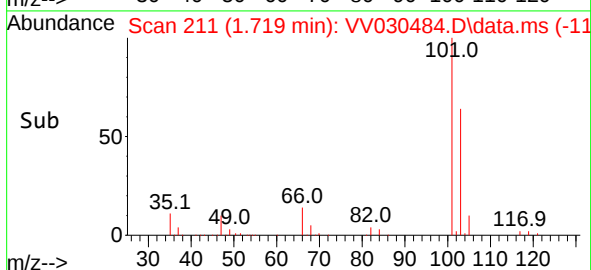
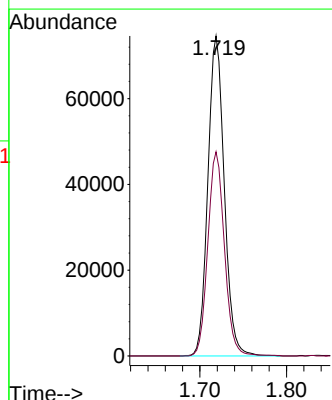
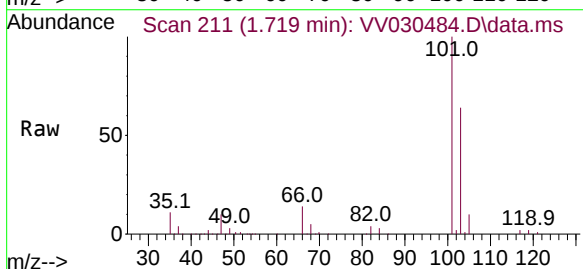
Instrument :
MSVOA_V
ClientSampleId :
VSTD005327

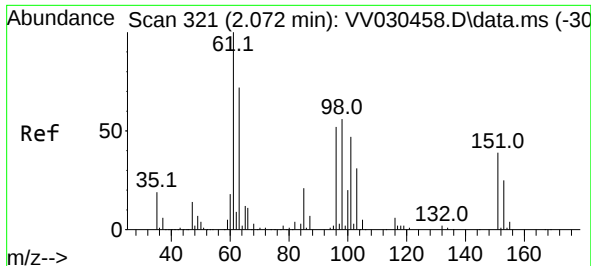
Tgt Ion: 64 Resp: 35702
Ion Ratio Lower Upper
64 100
66 30.7 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.701 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

Tgt Ion: 101 Resp: 98145
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.6

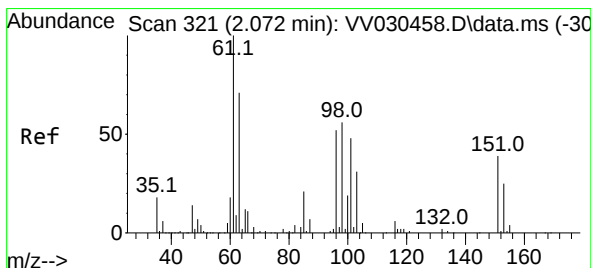
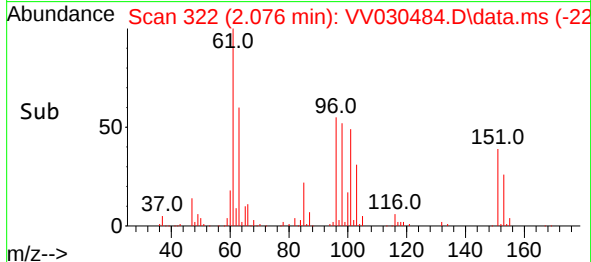
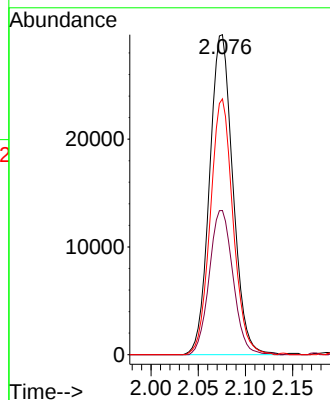
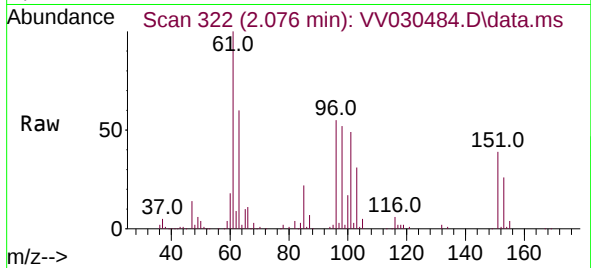




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.428 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. 0.003 min
 Lab File: VV030484.D
 Acq: 10 Apr 2023 21:49

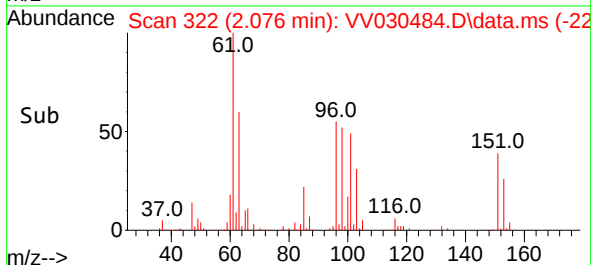
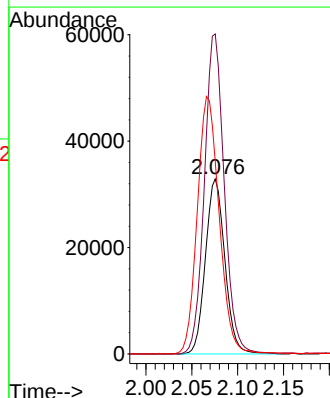
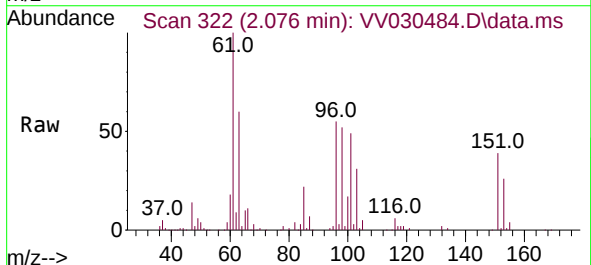
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005327

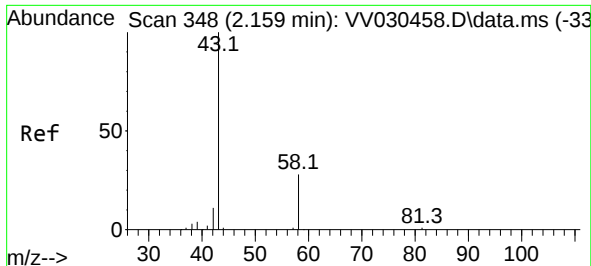
Tgt Ion:101 Resp: 51015
 Ion Ratio Lower Upper
 101 100
 85 45.7 38.1 57.1
 151 78.0 62.7 94.1



#12
 1,1-Dichloroethene
 Concen: 4.741 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030484.D
 Acq: 10 Apr 2023 21:49

Tgt Ion: 96 Resp: 48509
 Ion Ratio Lower Upper
 96 100
 61 182.8 136.3 253.1
 63 110.0 92.1 171.1





#13

Acetone

Concen: 34.841 ug/L

RT: 2.150 min Scan# 34

Delta R.T. -0.010 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

Instrument :

MSVOA_V

ClientSampleId :

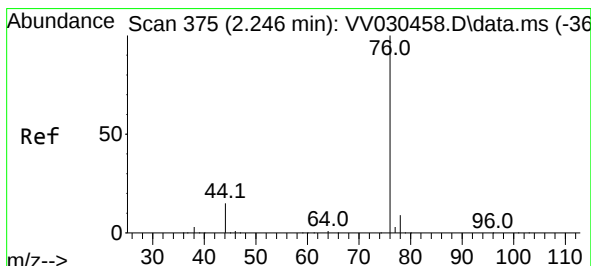
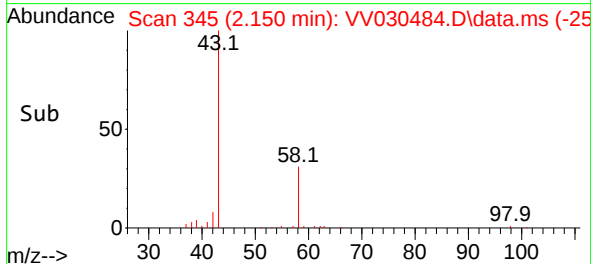
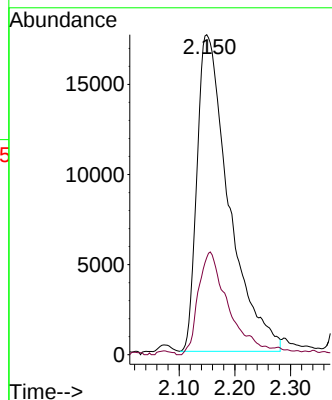
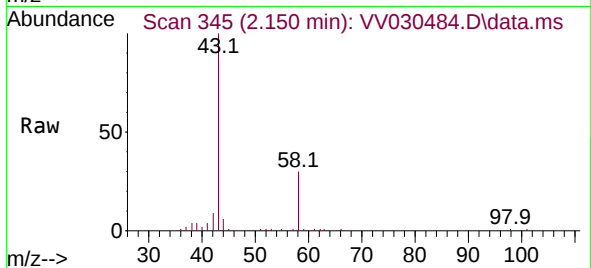
VSTD005327

Tgt Ion: 43 Resp: 69839

Ion Ratio Lower Upper

43 100

58 30.8 0.0 40.8



#14

Carbon disulfide

Concen: 4.170 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030484.D

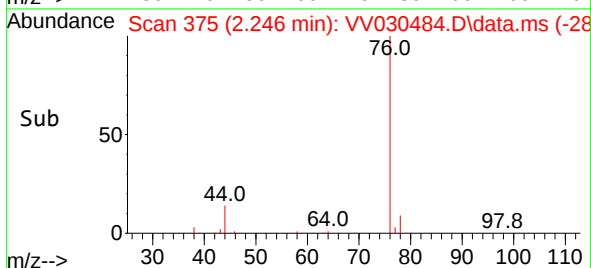
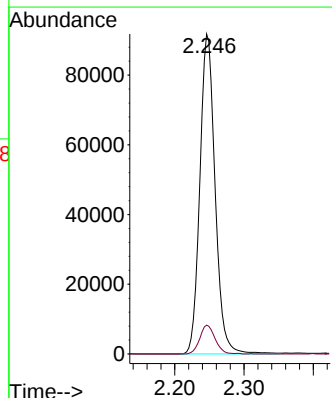
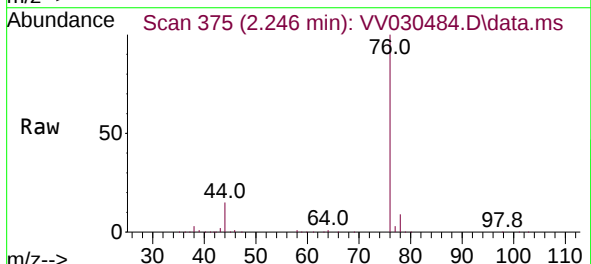
Acq: 10 Apr 2023 21:49

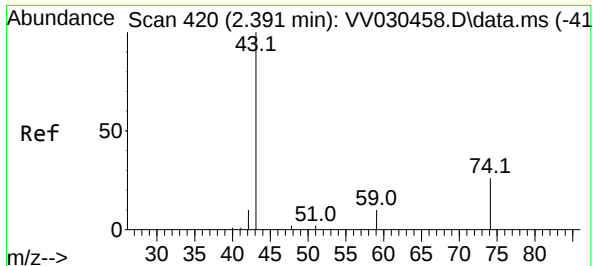
Tgt Ion: 76 Resp: 140542

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

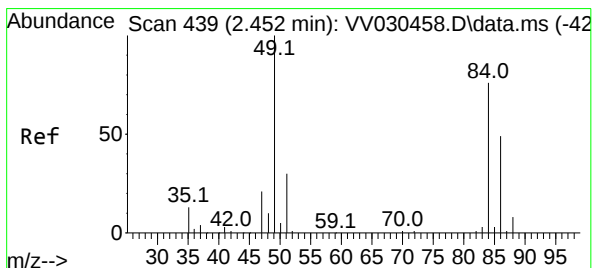
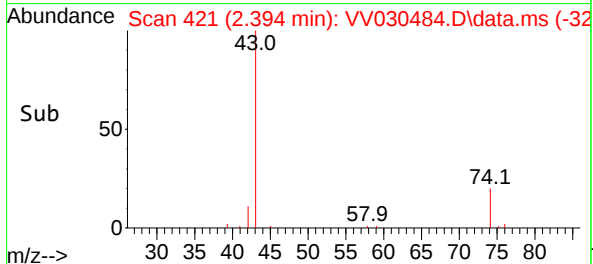
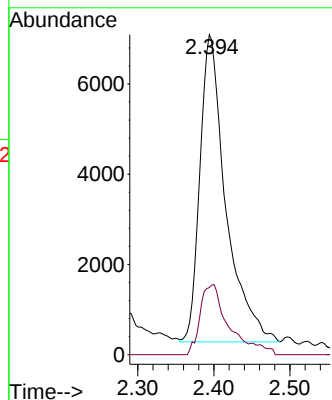
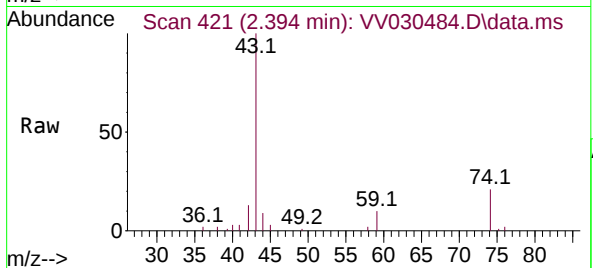




#15
Methyl Acetate
Concen: 4.504 ug/L
RT: 2.394 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

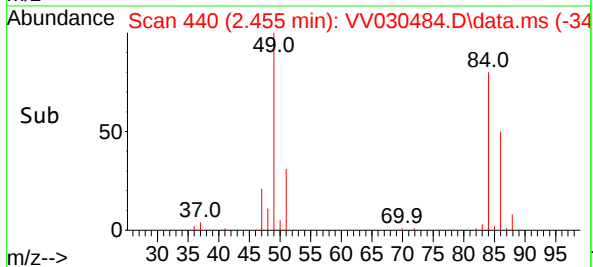
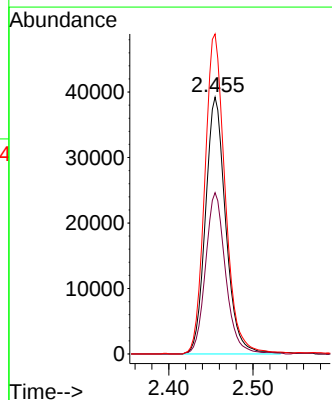
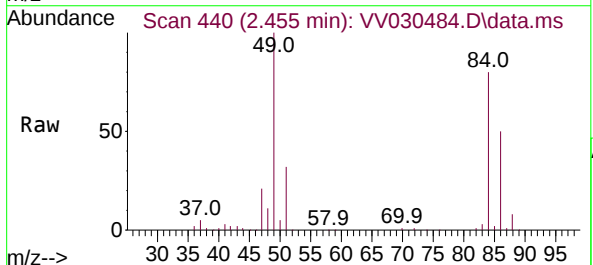
Instrument :
MSVOA_V
ClientSampleId :
VSTD005327

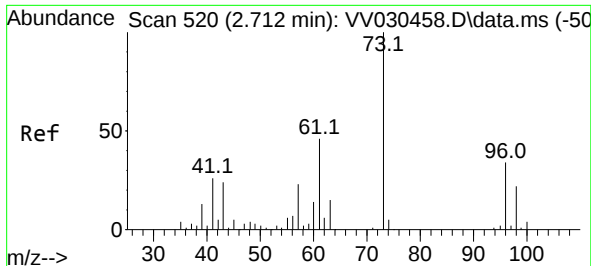
Tgt Ion: 43 Resp: 16134
Ion Ratio Lower Upper
43 100
74 25.3 22.1 33.1



#16
Methylene chloride
Concen: 5.426 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

Tgt Ion: 84 Resp: 65660
Ion Ratio Lower Upper
84 100
86 62.8 44.0 81.6
49 124.6 90.6 168.3

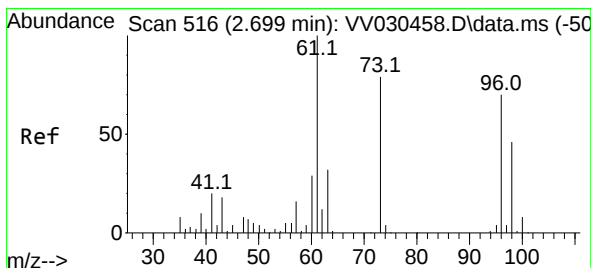
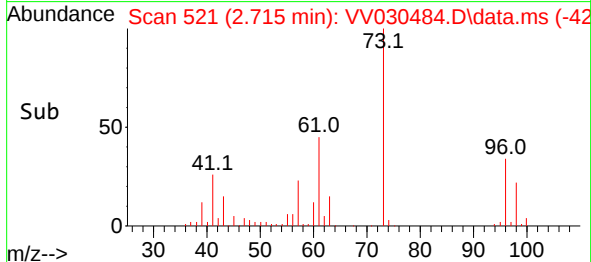
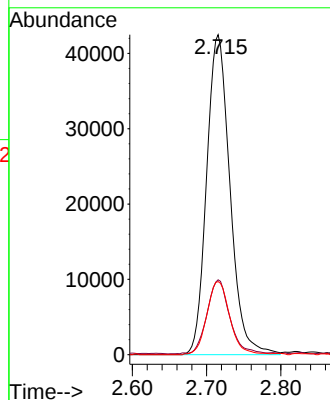
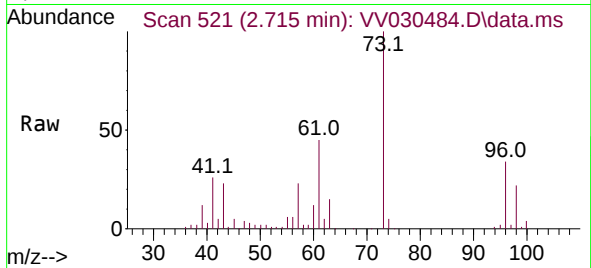




#17
Methyl tert-butyl Ether
Concen: 4.284 ug/L
RT: 2.715 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

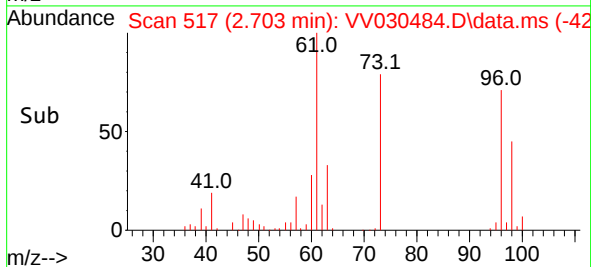
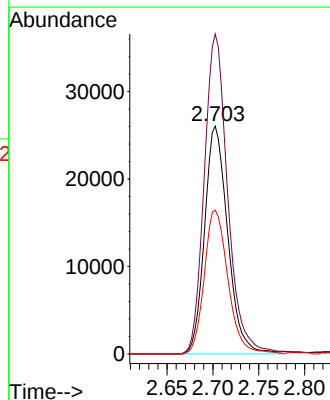
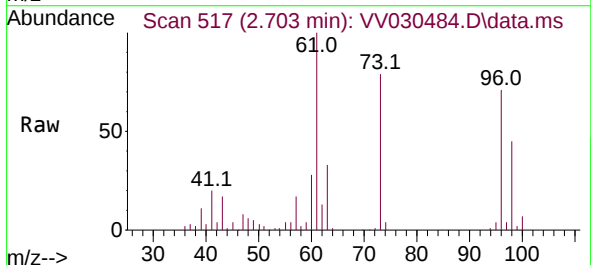
Instrument :
MSVOA_V
ClientSampleId :
VSTD005327

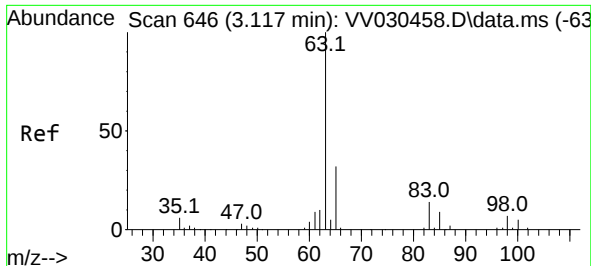
Tgt Ion: 73 Resp: 92829
Ion Ratio Lower Upper
73 100
43 22.4 17.4 26.2
57 22.4 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.266 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

Tgt Ion: 96 Resp: 45977
Ion Ratio Lower Upper
96 100
61 140.5 101.7 188.9
98 63.1 45.8 85.2





#19

1,1-Dichloroethane

Concen: 4.366 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005327

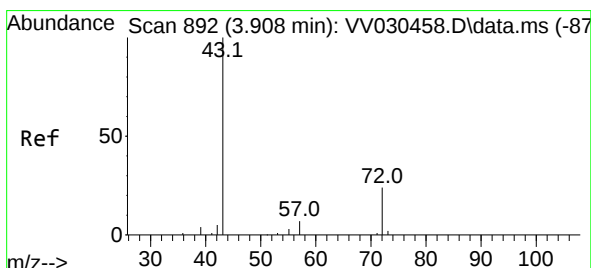
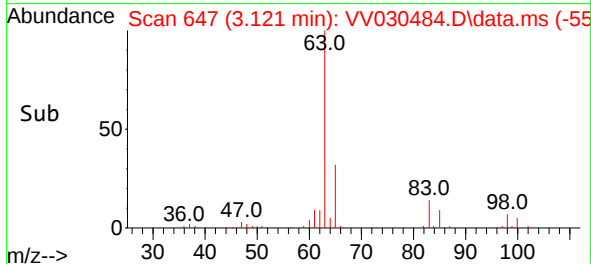
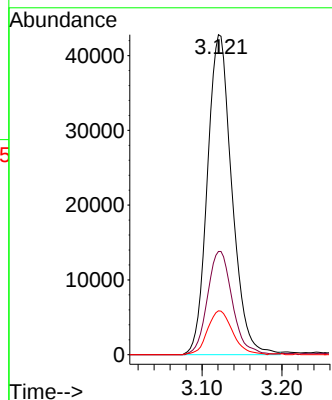
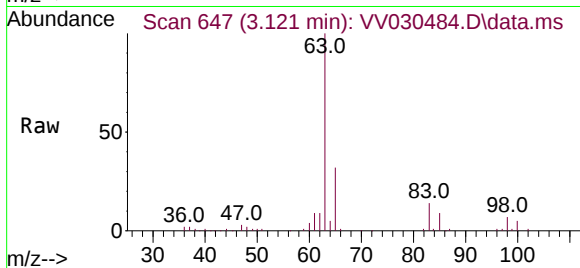
Tgt Ion: 63 Resp: 91238

Ion Ratio Lower Upper

63 100

65 32.2 21.7 40.3

83 13.7 9.1 16.9



#21

2-Butanone

Concen: 40.429 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.003 min

Lab File: VV030484.D

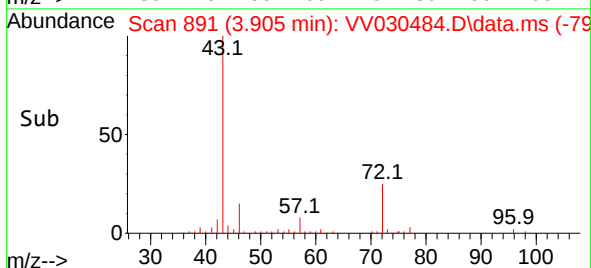
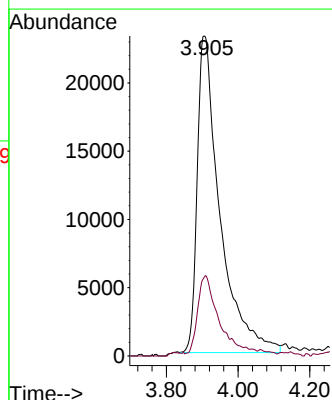
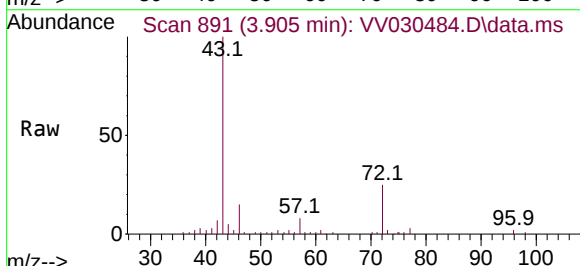
Acq: 10 Apr 2023 21:49

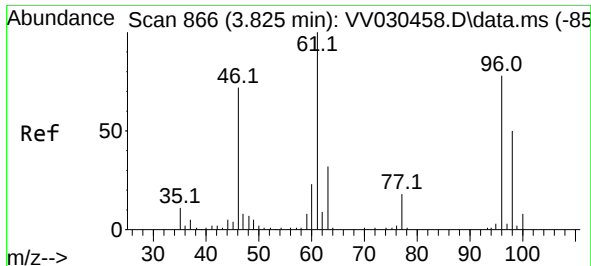
Tgt Ion: 43 Resp: 102000

Ion Ratio Lower Upper

43 100

72 21.8 11.2 33.5

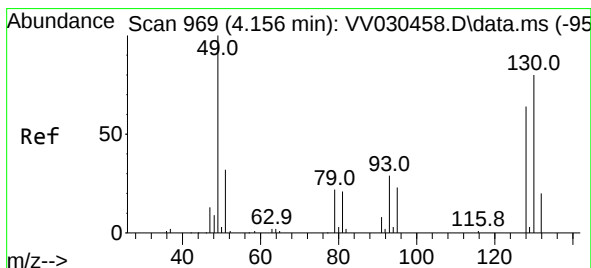
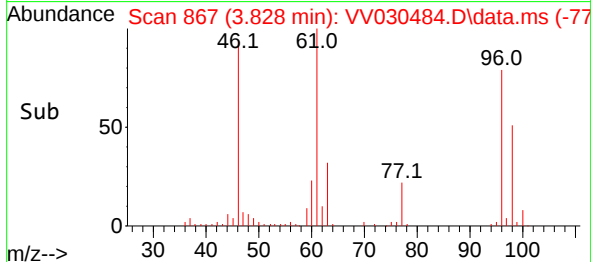
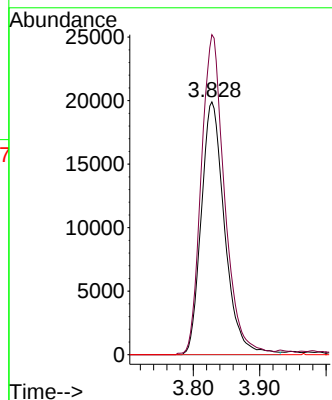
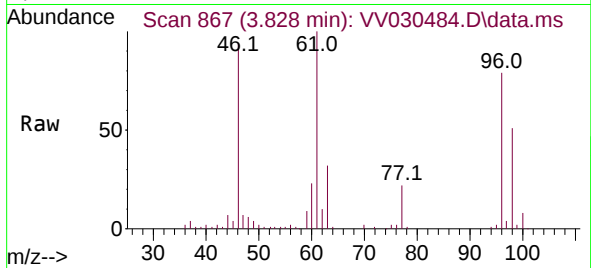




#22
 cis-1,2-Dichloroethene
 Concen: 4.501 ug/L
 RT: 3.828 min Scan# 866
 Delta R.T. 0.003 min
 Lab File: VV030484.D
 Acq: 10 Apr 2023 21:49

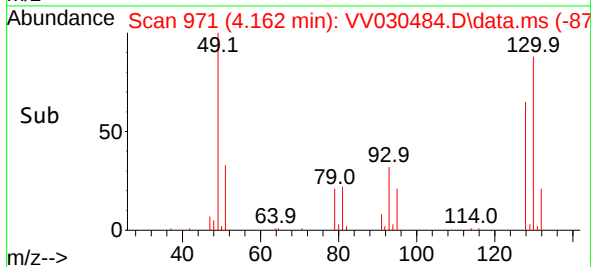
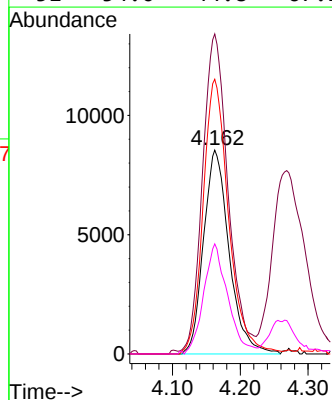
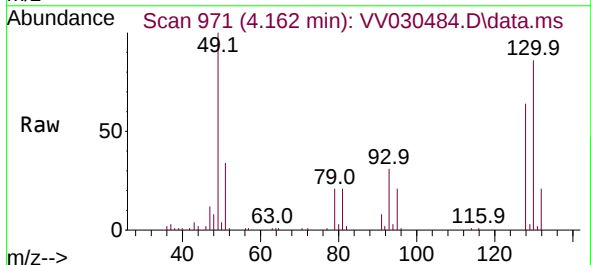
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005327

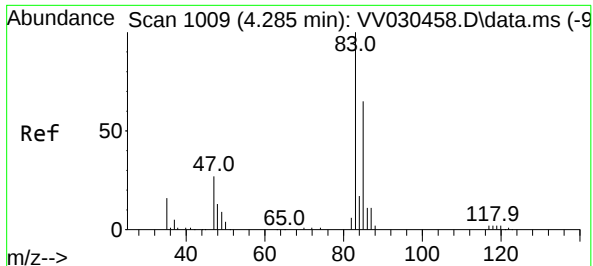
Tgt Ion: 96 Resp: 48687
 Ion Ratio Lower Upper
 96 100
 61 126.6 92.0 170.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.432 ug/L
 RT: 4.162 min Scan# 971
 Delta R.T. 0.006 min
 Lab File: VV030484.D
 Acq: 10 Apr 2023 21:49

Tgt Ion: 128 Resp: 22390
 Ion Ratio Lower Upper
 128 100
 49 157.0 119.4 221.8
 130 134.8 89.2 165.8
 51 54.0 44.8 67.2





#25

Chloroform

Concen: 4.638 ug/L

RT: 4.291 min Scan# 1011

Delta R.T. 0.006 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

Instrument :

MSVOA_V

ClientSampleId :

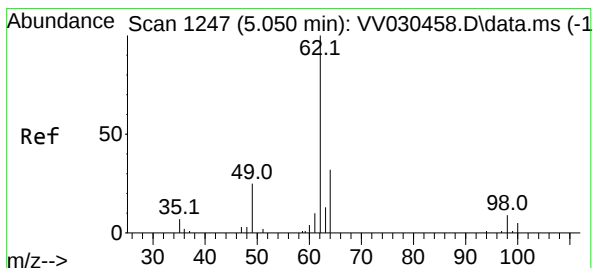
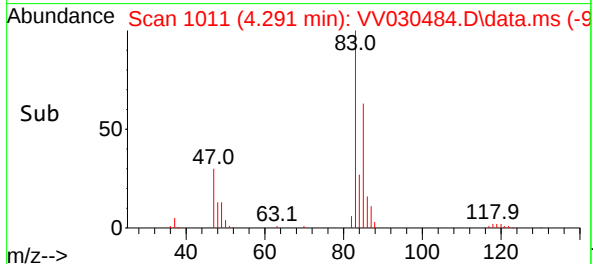
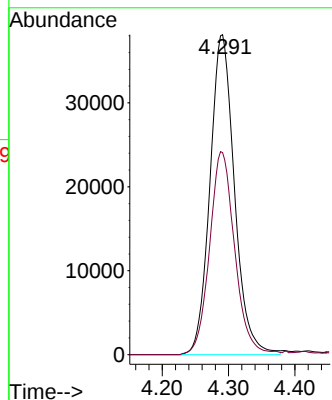
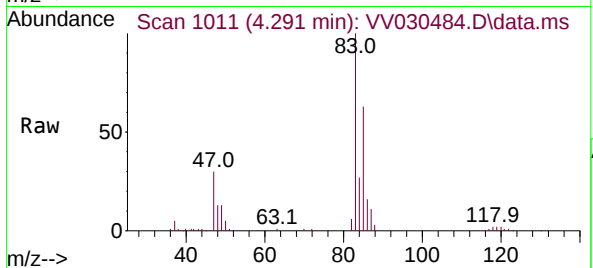
VSTD005327

Tgt Ion: 83 Resp: 97932

Ion Ratio Lower Upper

83 100

85 63.1 47.6 88.4



#27

1,2-Dichloroethane

Concen: 4.654 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.006 min

Lab File: VV030484.D

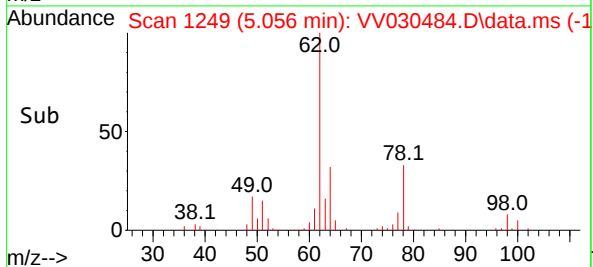
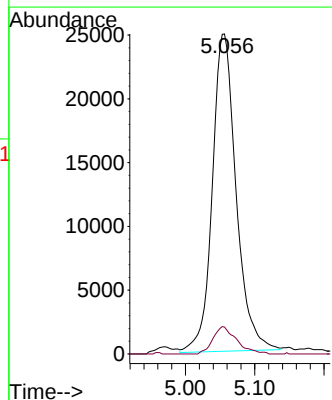
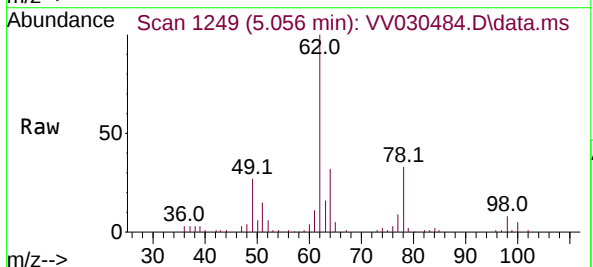
Acq: 10 Apr 2023 21:49

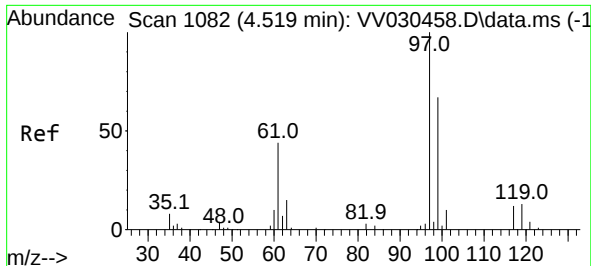
Tgt Ion: 62 Resp: 59424

Ion Ratio Lower Upper

62 100

98 8.4 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.739 ug/L

RT: 4.522 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005327

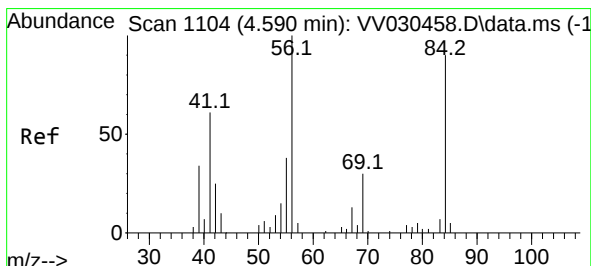
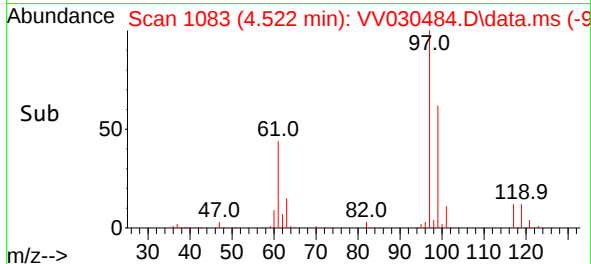
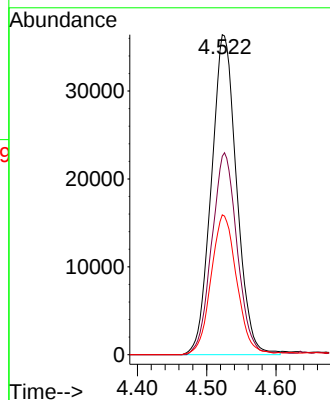
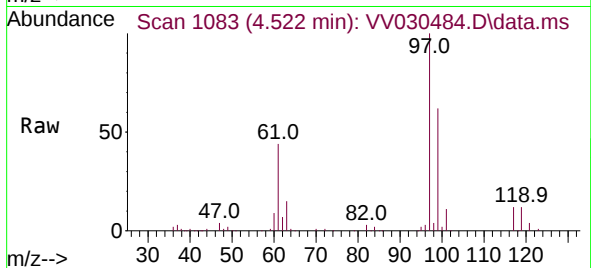
Tgt Ion: 97 Resp: 92370

Ion Ratio Lower Upper

97 100

99 63.8 50.9 76.3

61 44.4 35.9 53.9



#30

Cyclohexane

Concen: 4.006 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

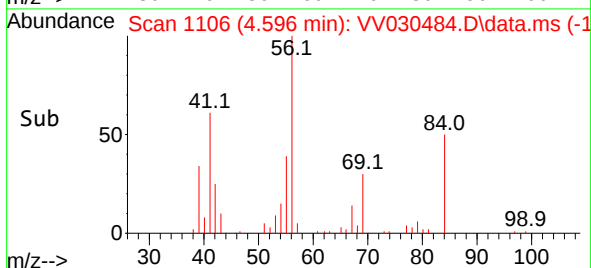
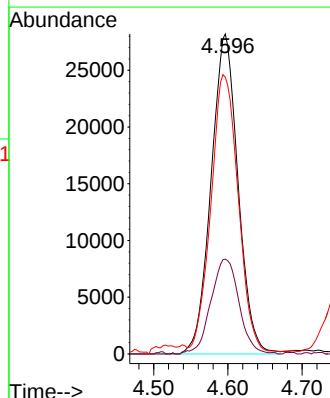
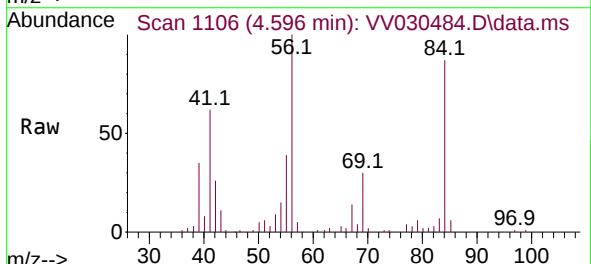
Tgt Ion: 56 Resp: 71131

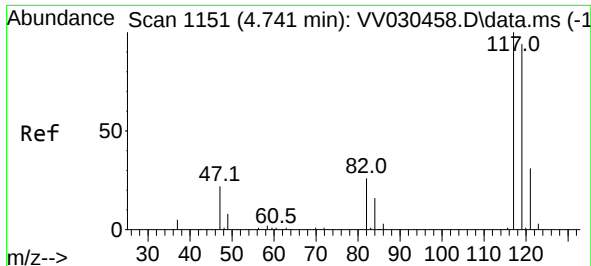
Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.2

84 86.9 66.6 100.0

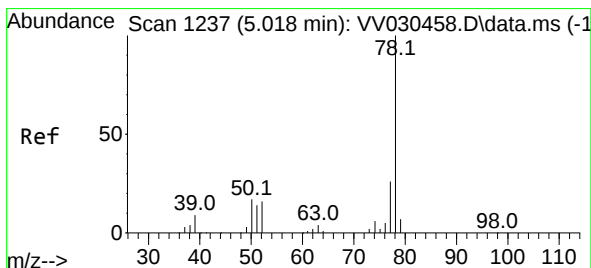
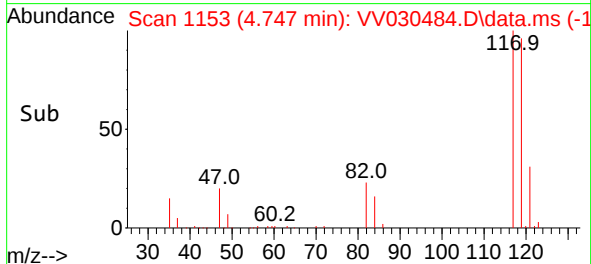
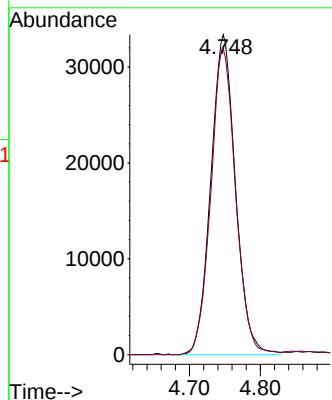
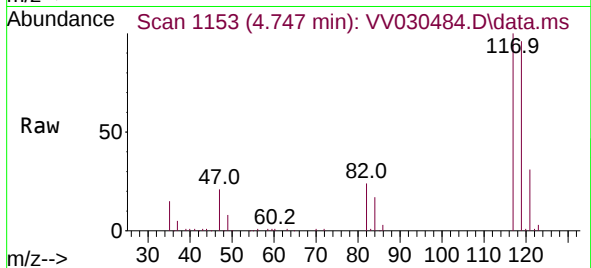




#31
Carbon tetrachloride
Concen: 4.564 ug/L
RT: 4.747 min Scan# 1151
Delta R.T. 0.006 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

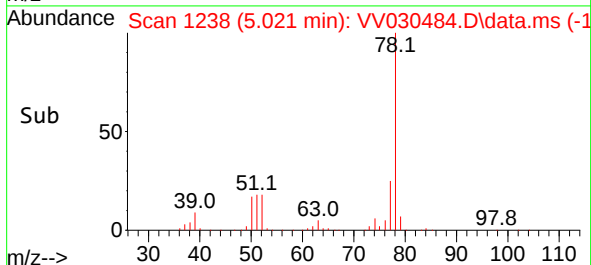
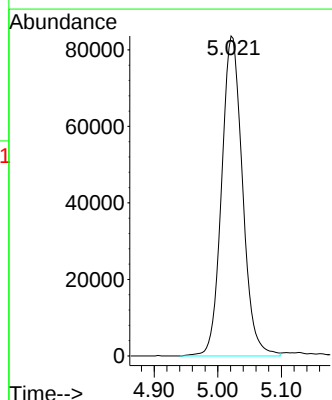
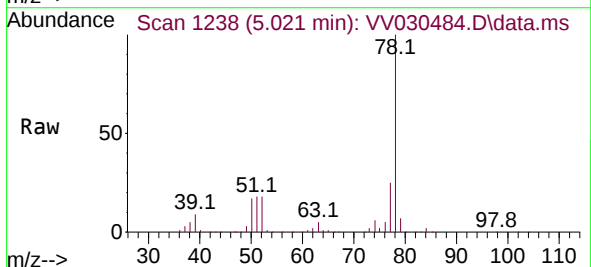
Instrument :
MSVOA_V
ClientSampleId :
VSTD005327

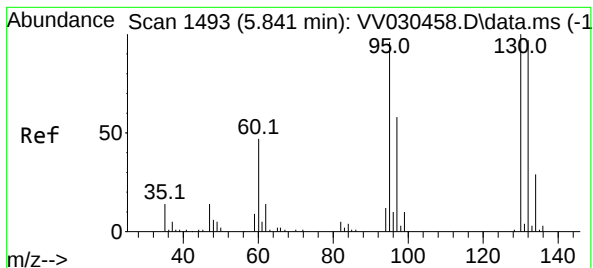
Tgt Ion:117 Resp: 80710
Ion Ratio Lower Upper
117 100
119 96.0 76.2 114.4



#33
Benzene
Concen: 4.435 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

Tgt Ion: 78 Resp: 191047





#34

Trichloroethene

Concen: 4.447 ug/L

RT: 5.844 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005327

Tgt Ion: 95 Resp: 51656

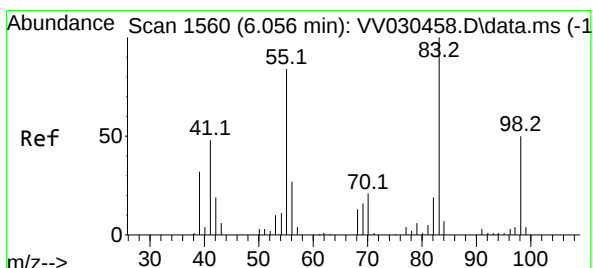
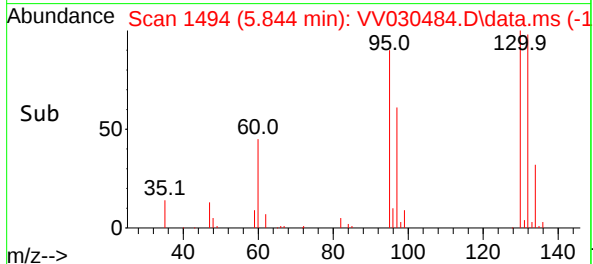
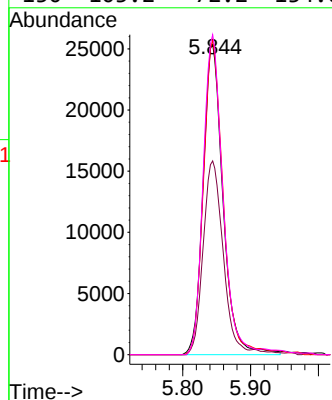
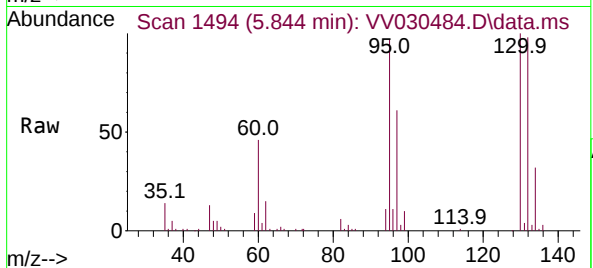
Ion Ratio Lower Upper

95 100

97 62.5 44.2 82.2

132 101.5 69.5 129.1

130 103.2 72.2 134.0



#35

Methylcyclohexane

Concen: 4.151 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. 0.006 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

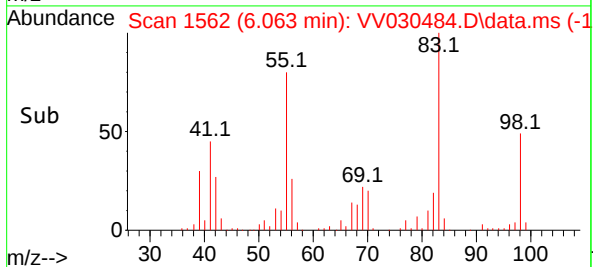
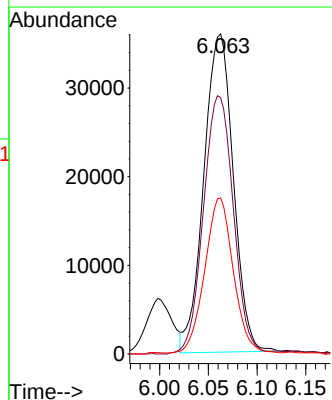
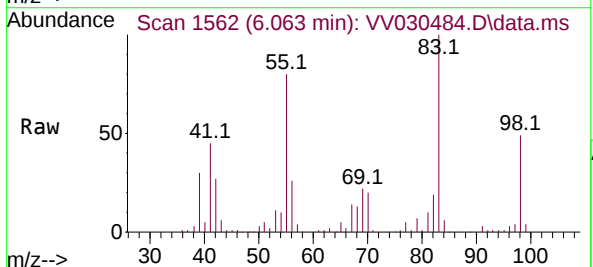
Tgt Ion: 83 Resp: 75678

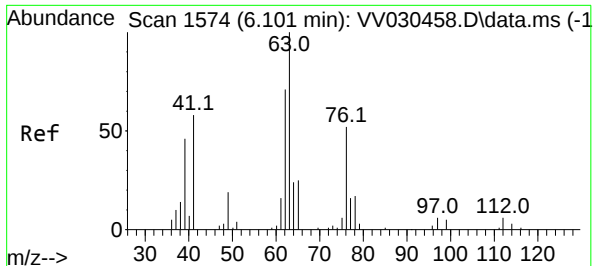
Ion Ratio Lower Upper

83 100

55 82.8 66.6 100.0

98 46.9 38.6 58.0

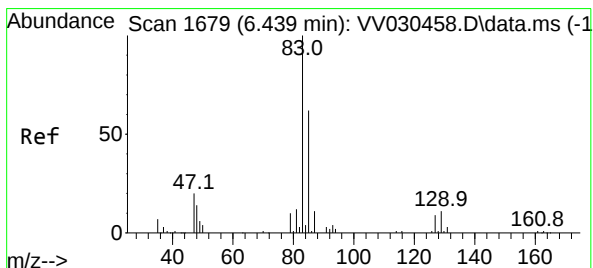
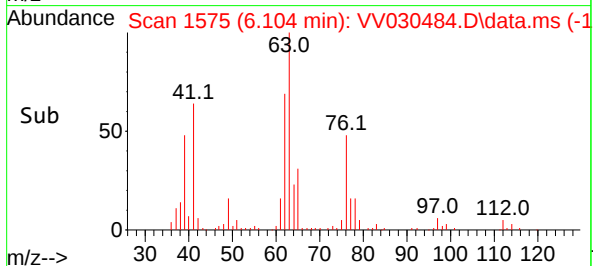
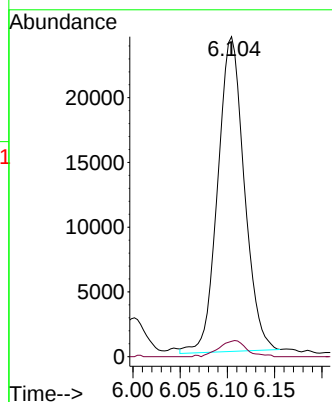
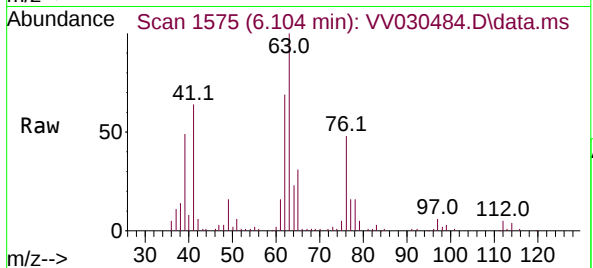




#37
1,2-Dichloropropane
Concen: 4.290 ug/L
RT: 6.104 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

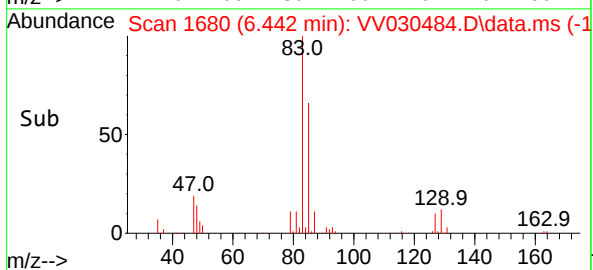
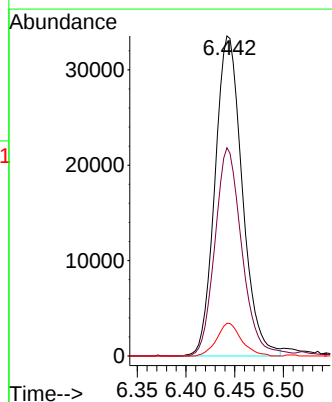
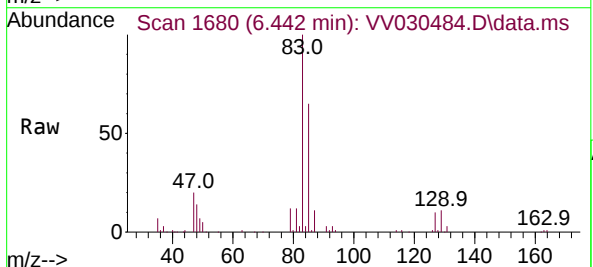
Instrument :
MSVOA_V
ClientSampleId :
VSTD005327

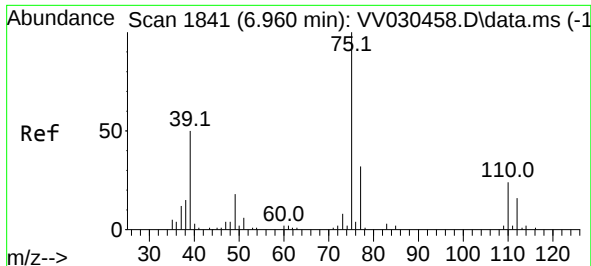
Tgt Ion: 63 Resp: 47432
Ion Ratio Lower Upper
63 100
112 5.3 3.9 5.9



#38
Bromodichloromethane
Concen: 4.513 ug/L
RT: 6.442 min Scan# 1680
Delta R.T. 0.003 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

Tgt Ion: 83 Resp: 65355
Ion Ratio Lower Upper
83 100
85 65.0 45.3 84.1
127 10.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.067 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. 0.003 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

Instrument :

MSVOA_V

ClientSampleId :

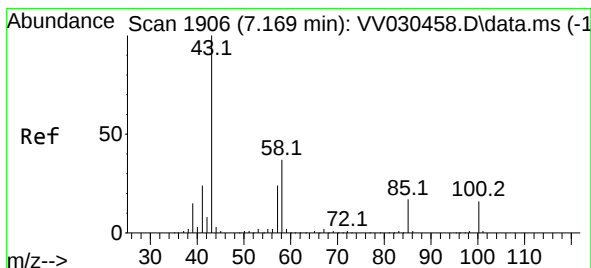
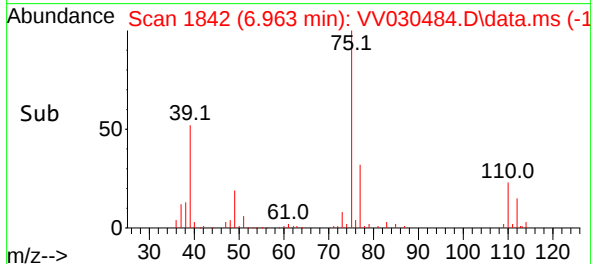
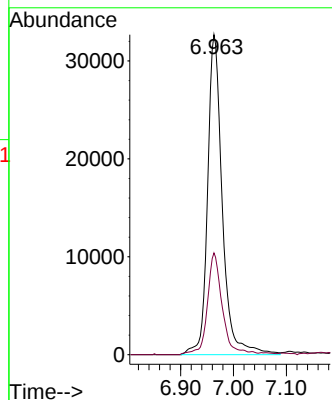
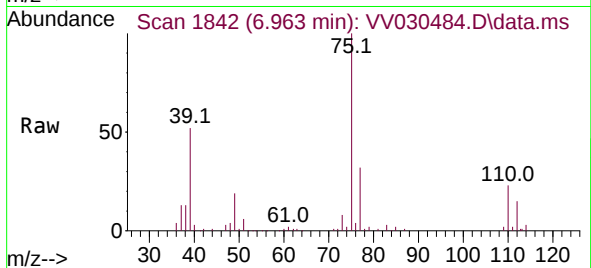
VSTD005327

Tgt Ion: 75 Resp: 63235

Ion Ratio Lower Upper

75 100

77 31.8 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 44.101 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

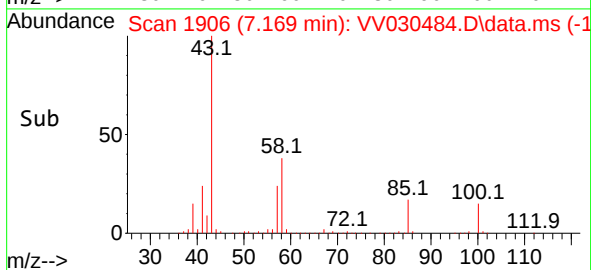
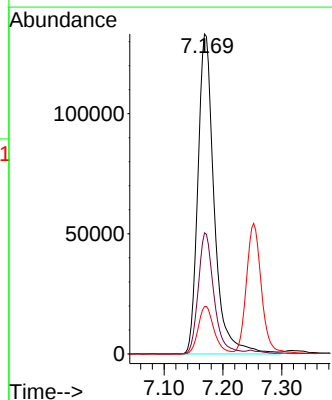
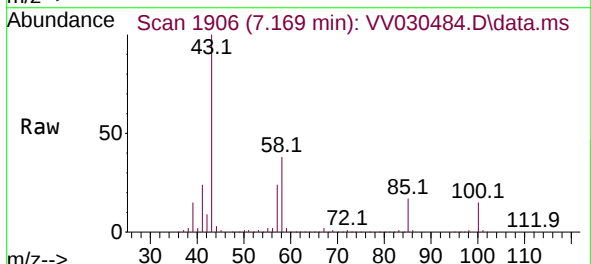
Tgt Ion: 43 Resp: 256967

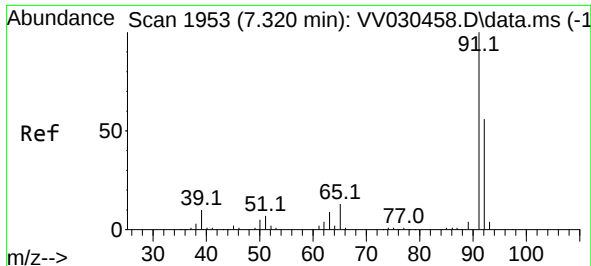
Ion Ratio Lower Upper

43 100

58 36.5 28.8 43.2

100 14.5 10.7 16.1





#42

Toluene

Concen: 4.737 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

Instrument :

MSVOA_V

ClientSampleId :

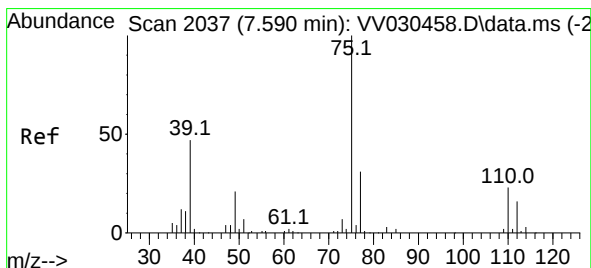
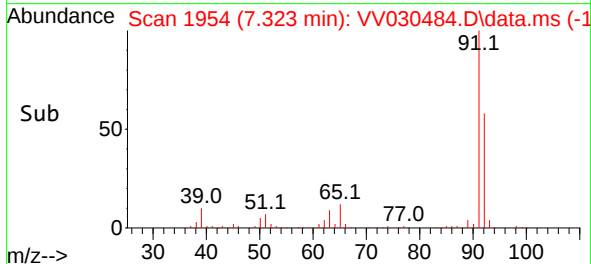
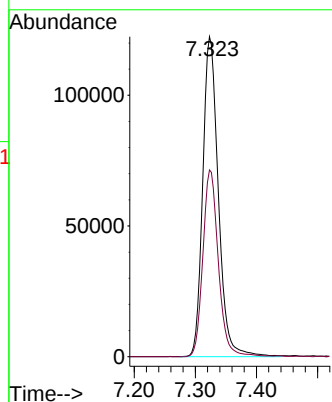
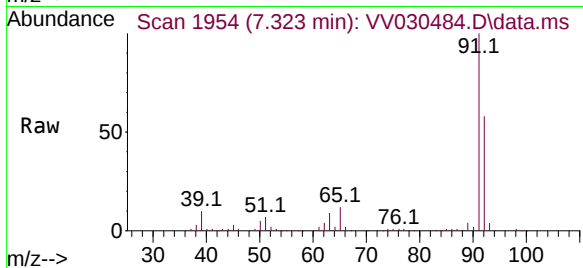
VSTD005327

Tgt Ion: 91 Resp: 217291

Ion Ratio Lower Upper

91 100

92 58.4 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.162 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV030484.D

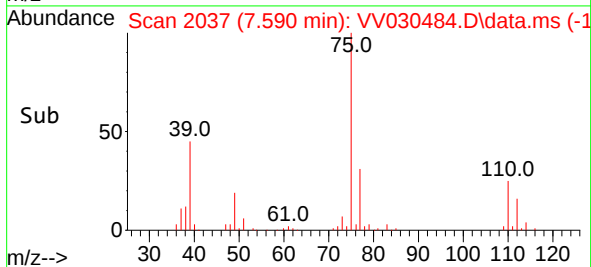
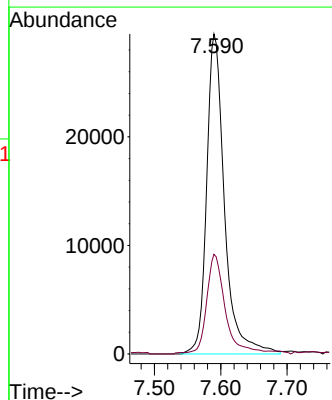
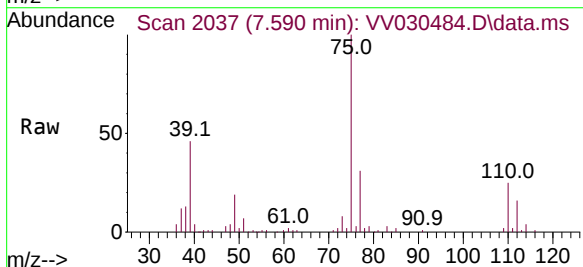
Acq: 10 Apr 2023 21:49

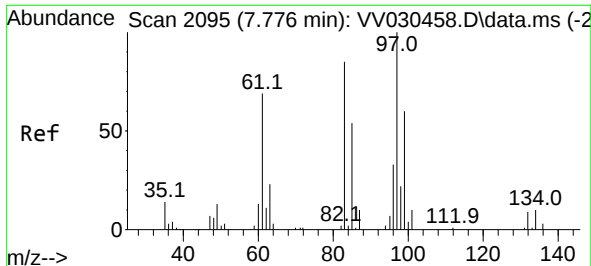
Tgt Ion: 75 Resp: 55064

Ion Ratio Lower Upper

75 100

77 31.1 21.2 39.4

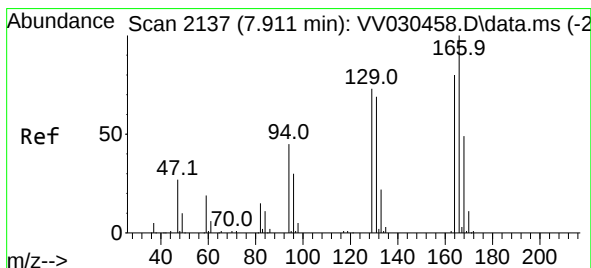
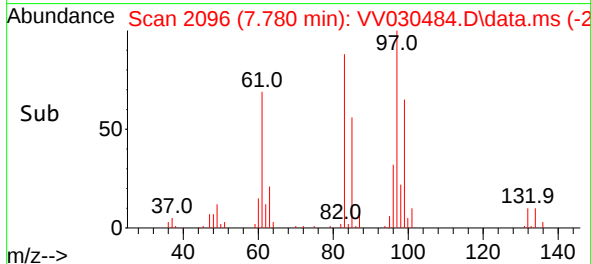
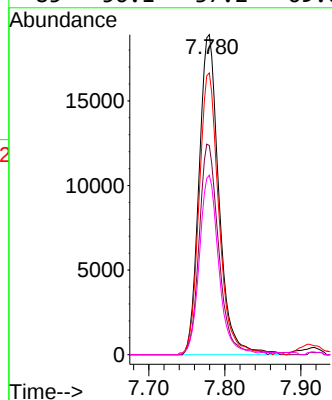
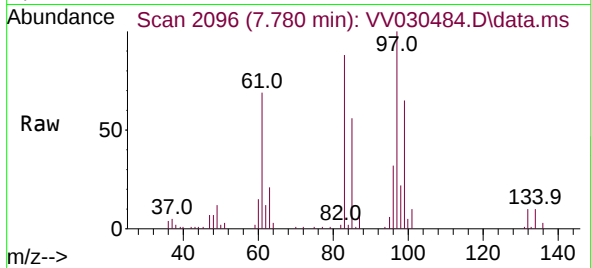




#45
1,1,2-Trichloroethane
Concen: 4.431 ug/L
RT: 7.780 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

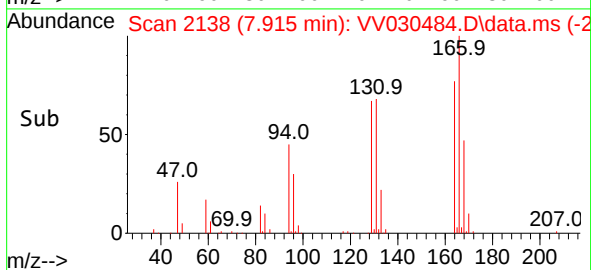
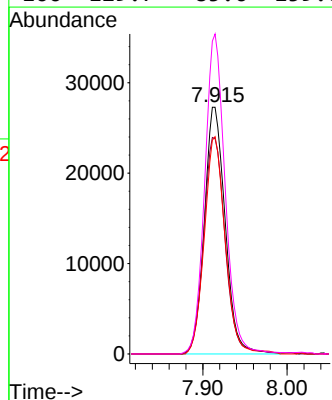
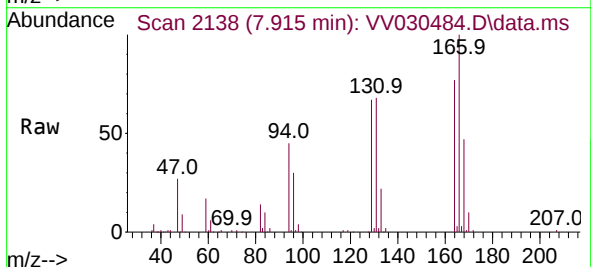
Instrument :
MSVOA_V
ClientSampleId :
VSTD005327

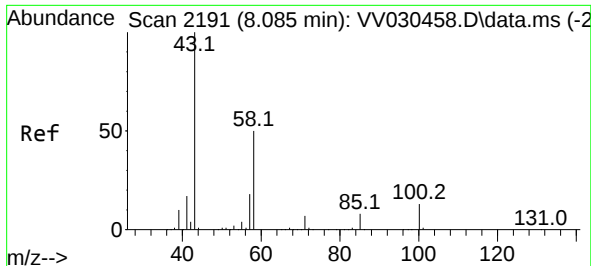
Tgt Ion: 97	Resp: 34497
Ion Ratio	Lower Upper
97 100	
99 65.3	44.0 81.8
83 88.0	58.8 109.2
85 56.1	37.2 69.0



#47
Tetrachloroethene
Concen: 4.601 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

Tgt	Ion:164	Resp:	47172
Ion	Ratio	Lower	Upper
164	100		
129	87.3	60.8	112.8
131	88.0	61.7	114.7
166	129.7	85.6	159.0

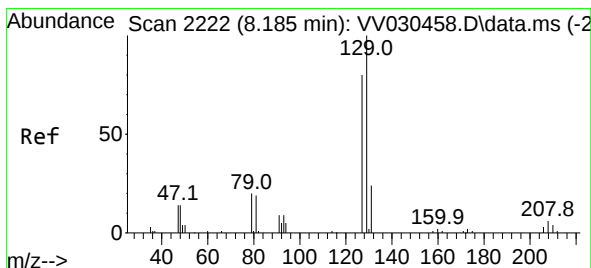
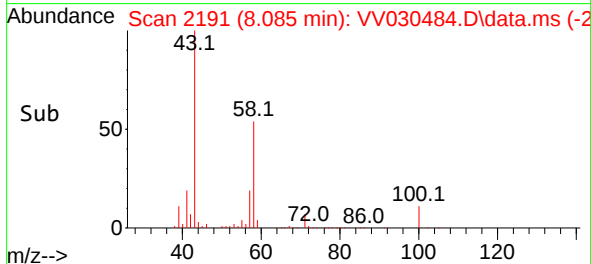
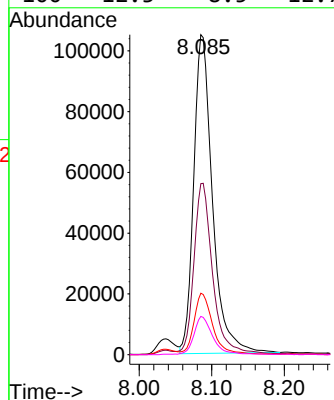
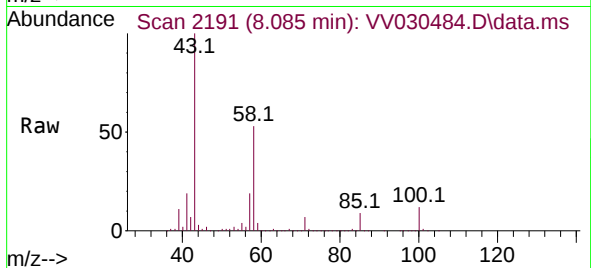




#48
2-Hexanone
Concen: 43.241 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

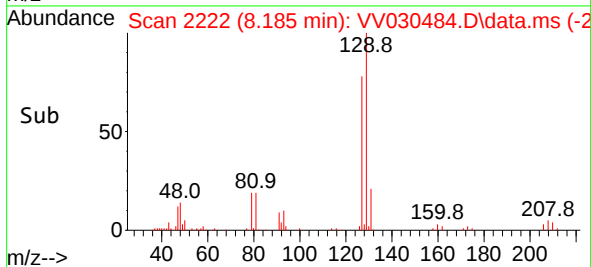
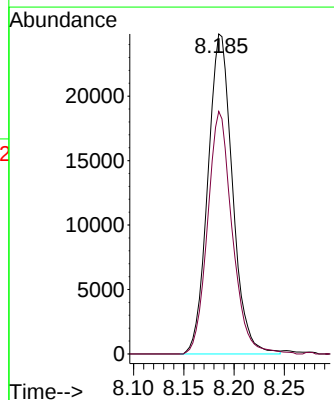
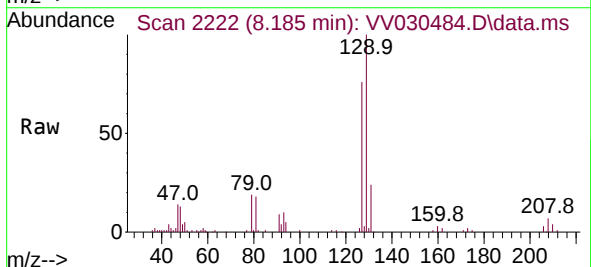
Instrument :
MSVOA_V
ClientSampleId :
VSTD005327

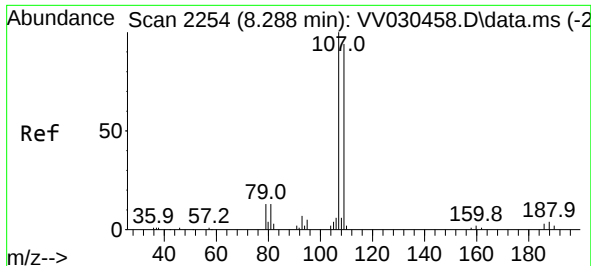
Tgt Ion: 43 Resp: 188697
Ion Ratio Lower Upper
43 100
58 53.3 40.3 60.5
57 18.8 14.6 22.0
100 12.3 8.5 12.7



#49
Dibromochloromethane
Concen: 4.566 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

Tgt Ion: 129 Resp: 42320
Ion Ratio Lower Upper
129 100
127 75.8 52.7 97.9





#50

1,2-Dibromoethane

Concen: 4.445 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

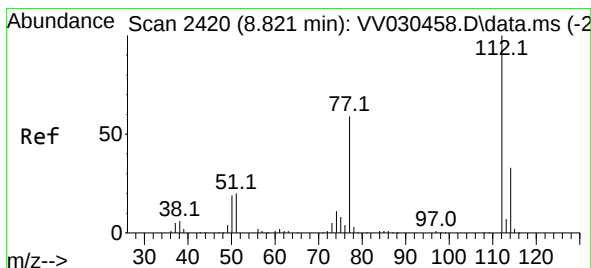
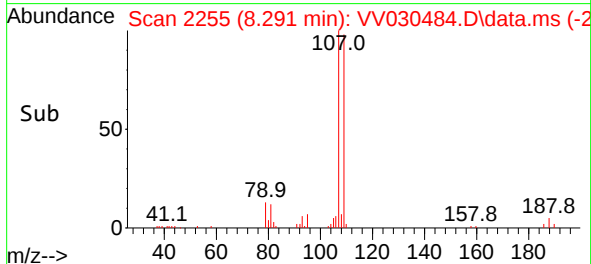
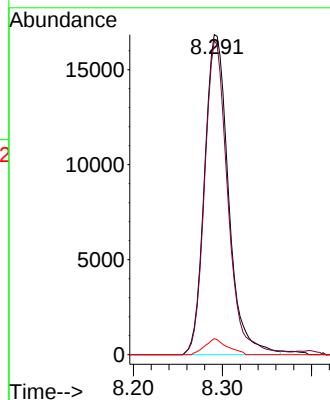
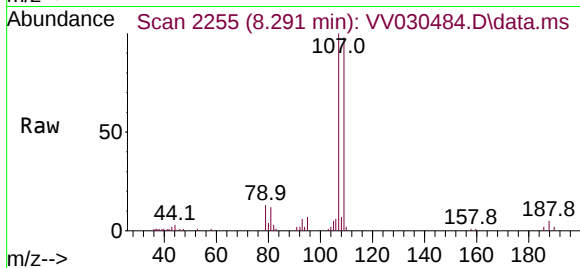
Instrument :

MSVOA_V

ClientSampleId :

VSTD005327

Tgt Ion:107	Resp:	31484
Ion Ratio	Lower	Upper
107	100	
109	98.1	62.9 116.9
188	5.0	3.0 4.6#



#51

Chlorobenzene

Concen: 4.562 ug/L

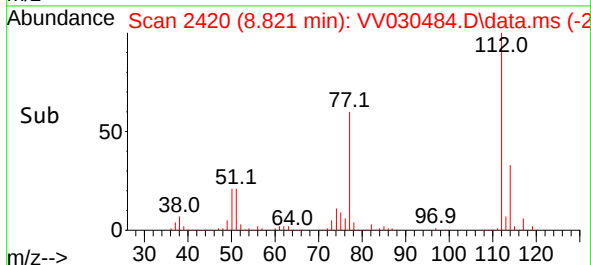
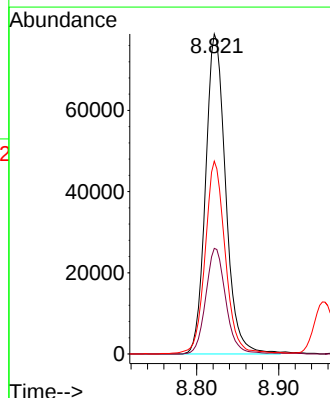
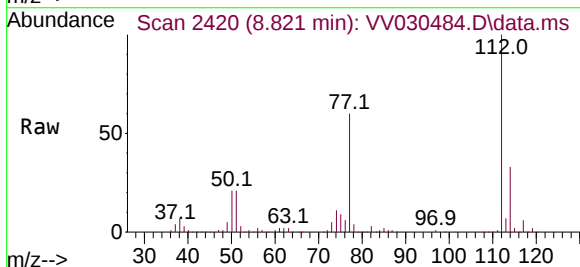
RT: 8.821 min Scan# 2420

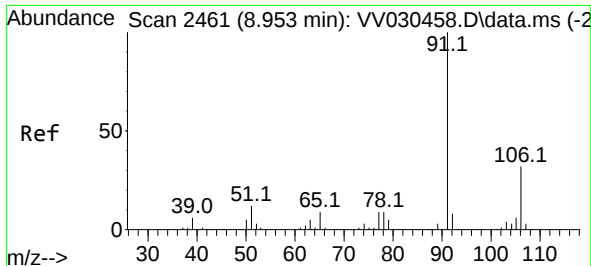
Delta R.T. -0.000 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

Tgt Ion:112	Resp:	134001
Ion Ratio	Lower	Upper
112	100	
114	33.0	22.4 41.6
77	60.3	45.9 68.9





#52

Ethylbenzene

Concen: 4.437 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

Instrument :

MSVOA_V

ClientSampleId :

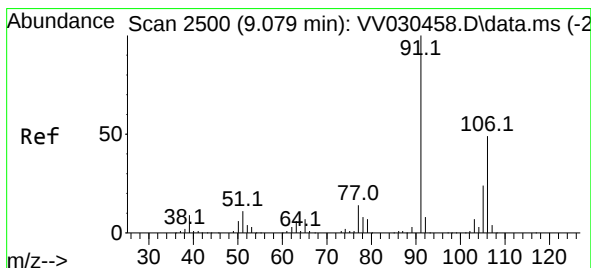
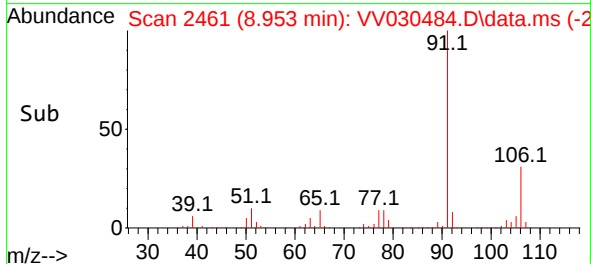
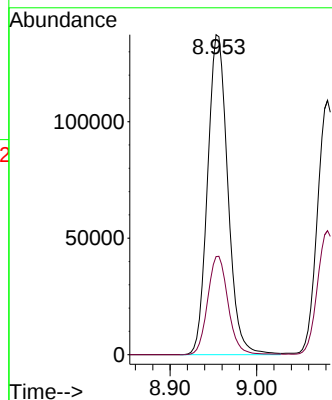
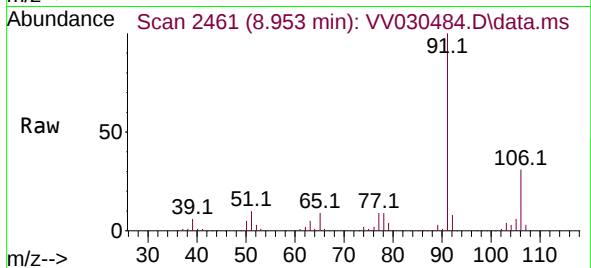
VSTD005327

Tgt Ion: 91 Resp: 222702

Ion Ratio Lower Upper

91 100

106 30.7 22.2 41.2



#53

m,p-Xylene

Concen: 4.587 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. 0.003 min

Lab File: VV030484.D

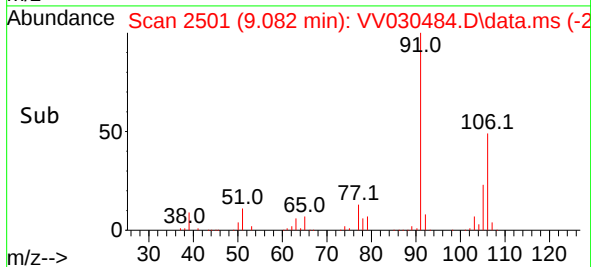
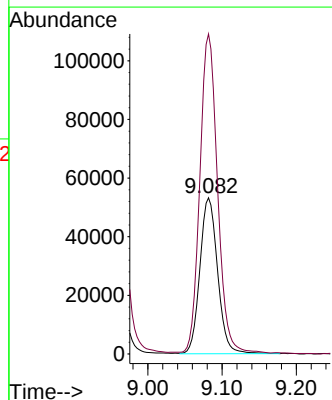
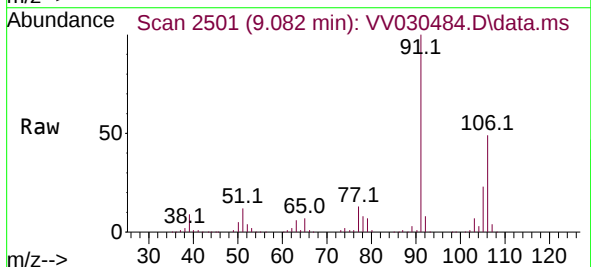
Acq: 10 Apr 2023 21:49

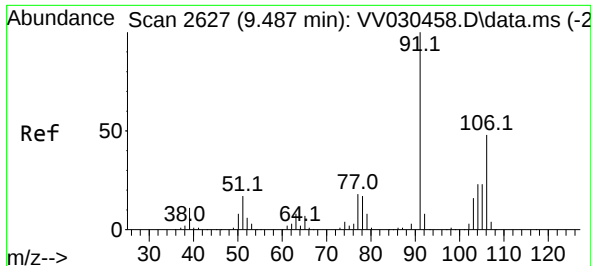
Tgt Ion: 106 Resp: 88133

Ion Ratio Lower Upper

106 100

91 205.0 142.4 264.4

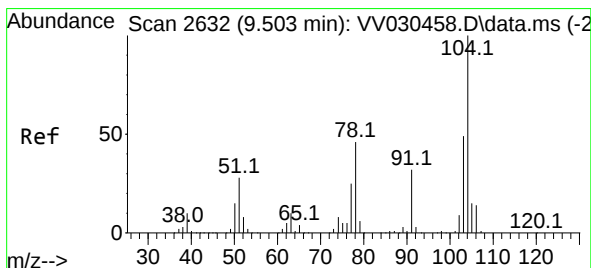
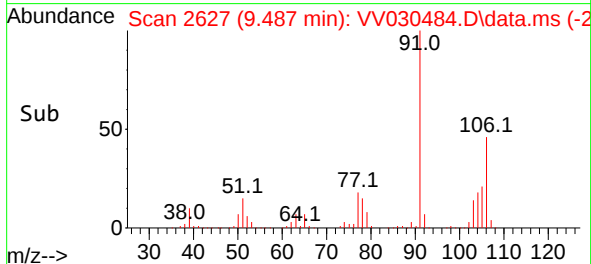
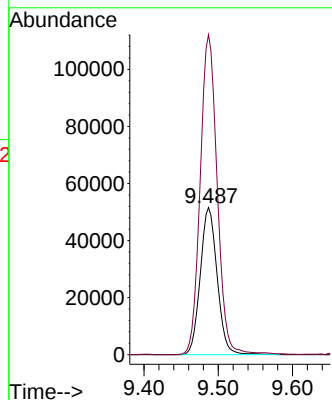
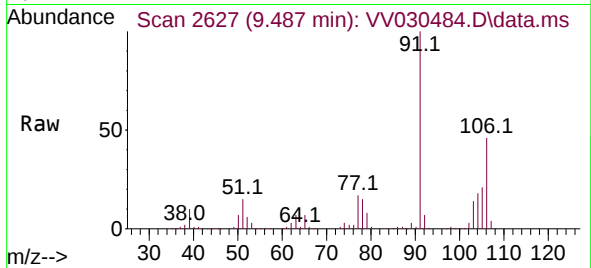




#54
o-Xylene
Concen: 4.434 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

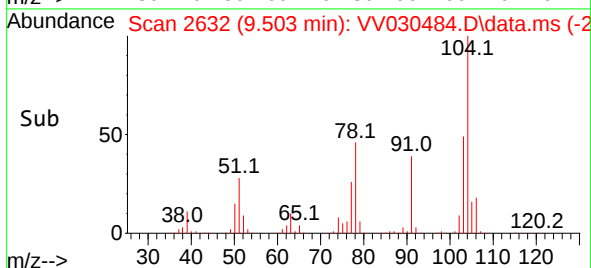
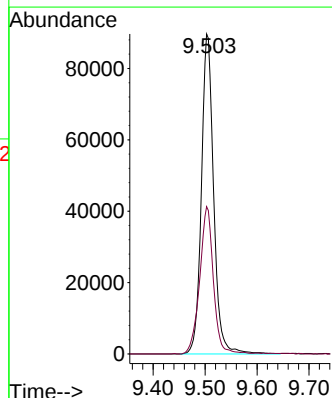
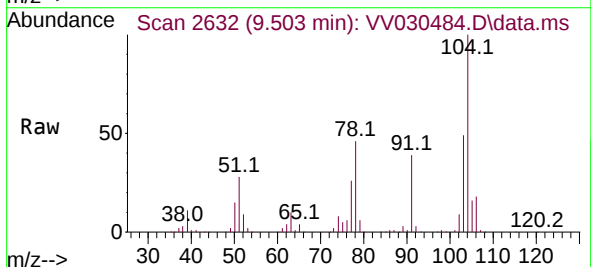
Instrument : MSVOA_V
ClientSampleId : VSTD005327

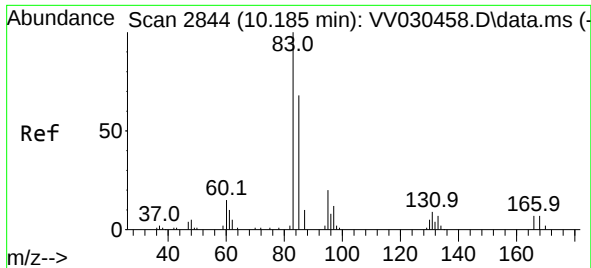
Tgt Ion:106 Resp: 81512
Ion Ratio Lower Upper
106 100
91 217.3 149.8 278.2



#55
Styrene
Concen: 4.704 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

Tgt Ion:104 Resp: 146888
Ion Ratio Lower Upper
104 100
78 46.1 31.9 59.2

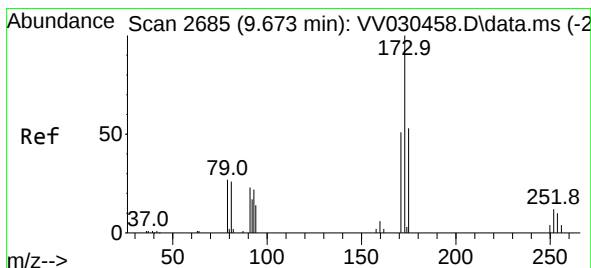
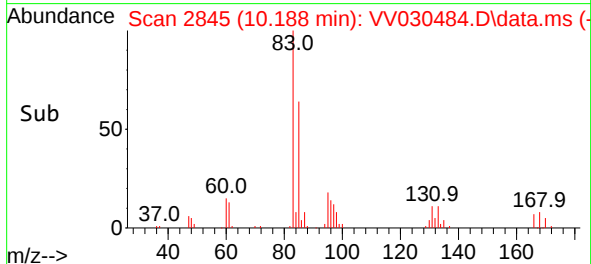
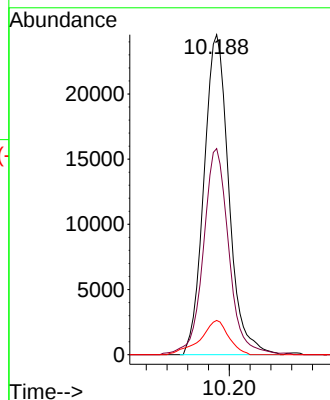
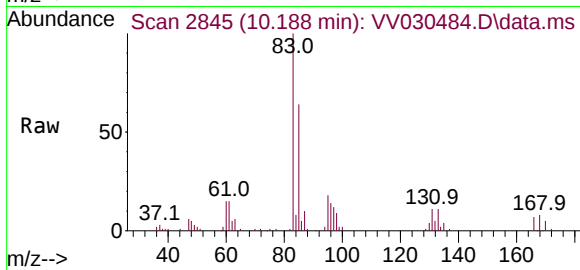




#57
1,1,2,2-Tetrachloroethane
Concen: 4.413 ug/L
RT: 10.188 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

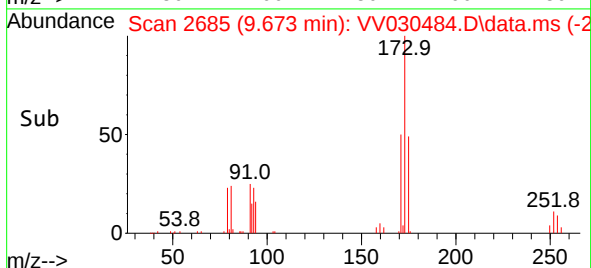
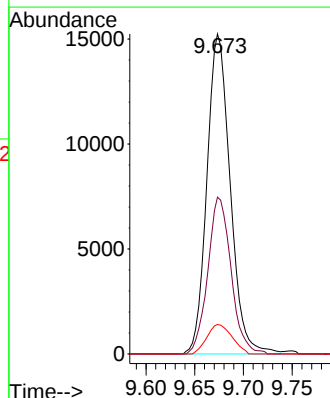
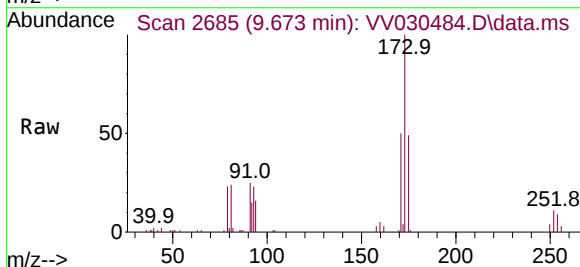
Instrument :
MSVOA_V
ClientSampleId :
VSTD005327

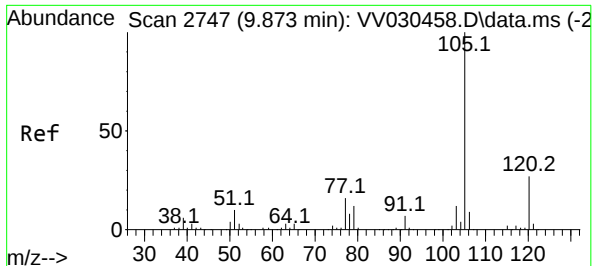
Tgt Ion:	83	Resp:	40785
Ion	Ratio	Lower	Upper
83	100		
85	64.4	45.3	84.1
131	10.7	8.2	12.4



#59
Bromoform
Concen: 4.413 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. -0.000 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

Tgt Ion:	173	Resp:	25309
Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.0	58.4
254	9.9	8.2	12.4

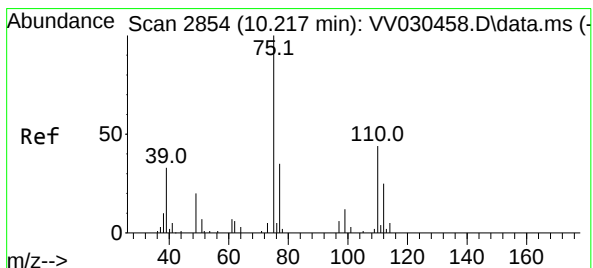
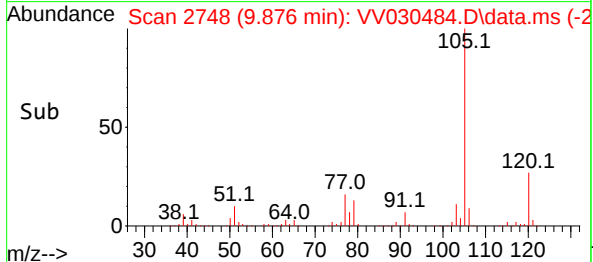
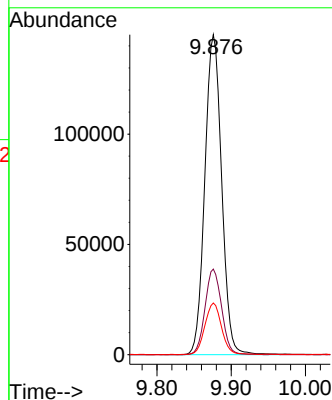
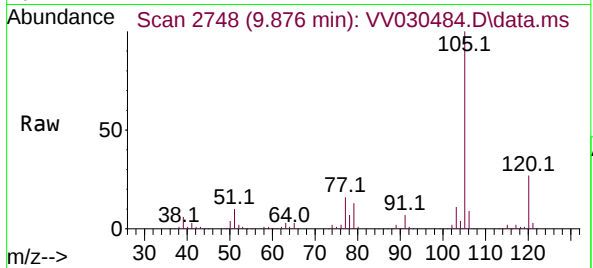




#60
Isopropylbenzene
Concen: 4.358 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

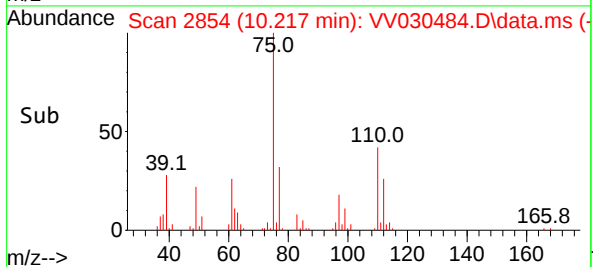
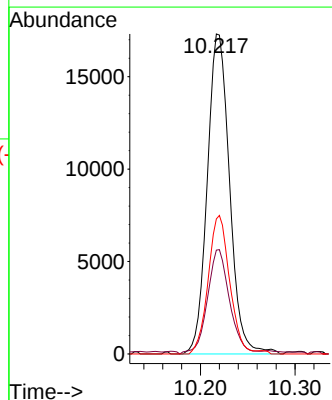
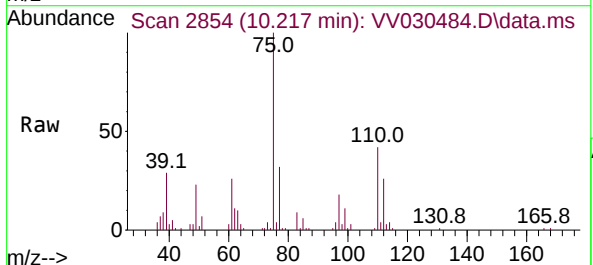
Instrument :
MSVOA_V
ClientSampleId :
VSTD005327

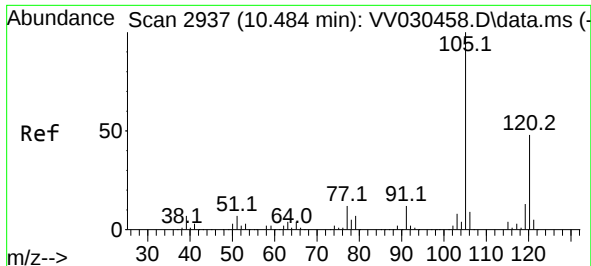
Tgt Ion:105 Resp: 228031
Ion Ratio Lower Upper
105 100
120 26.3 21.1 31.7
77 16.1 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 4.478 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

Tgt Ion: 75 Resp: 28410
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 41.6 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 4.259 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

Instrument :

MSVOA_V

ClientSampleId :

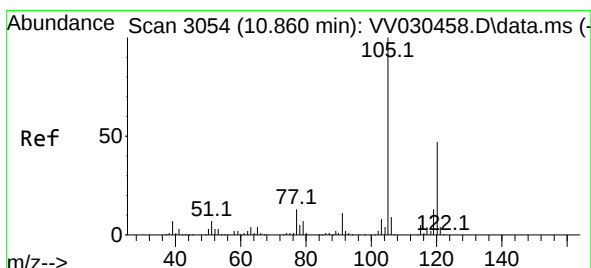
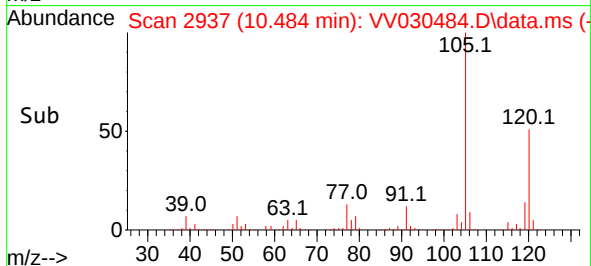
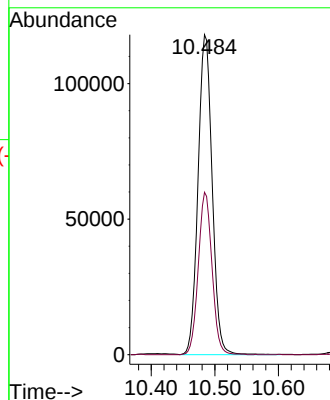
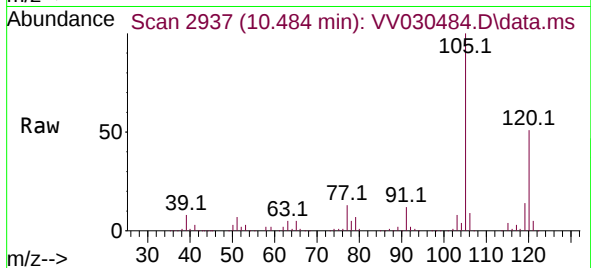
VSTD005327

Tgt Ion:105 Resp: 181858

Ion Ratio Lower Upper

105 100

120 49.2 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 4.324 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030484.D

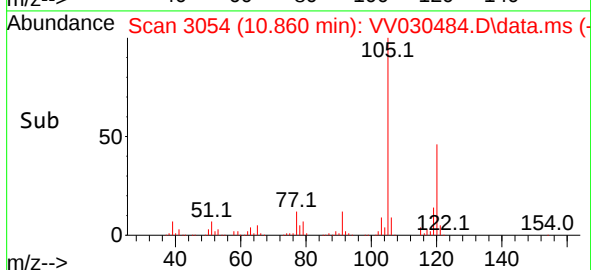
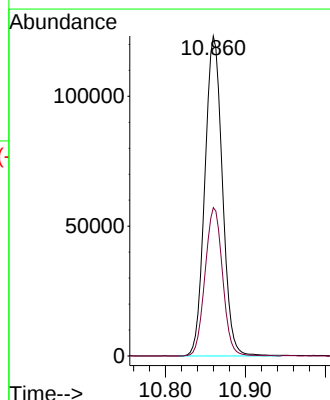
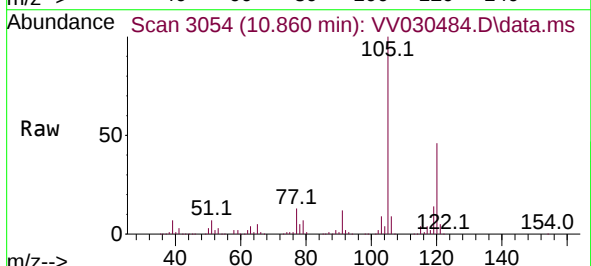
Acq: 10 Apr 2023 21:49

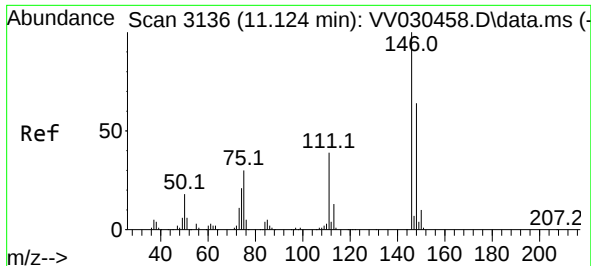
Tgt Ion:105 Resp: 188149

Ion Ratio Lower Upper

105 100

120 46.3 36.8 55.2

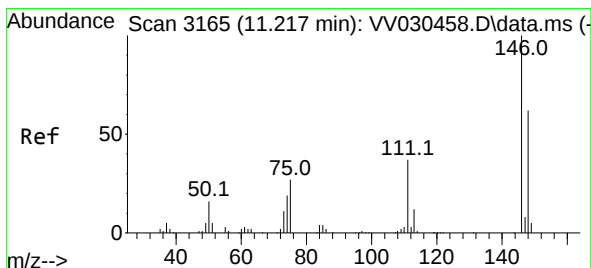
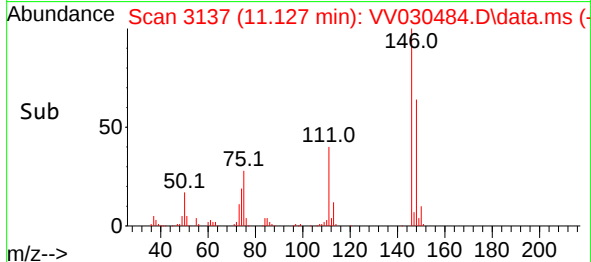
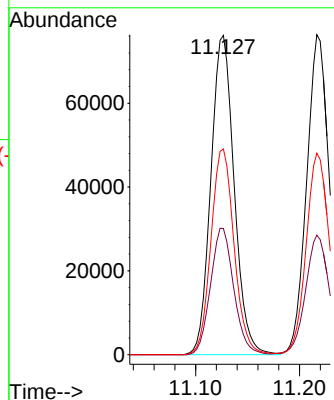
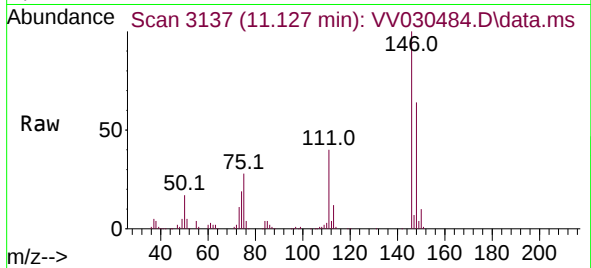




#64
1,3-Dichlorobenzene
Concen: 4.548 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

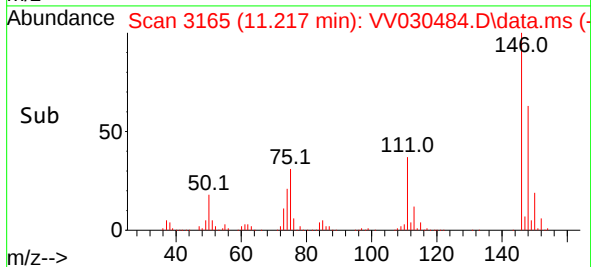
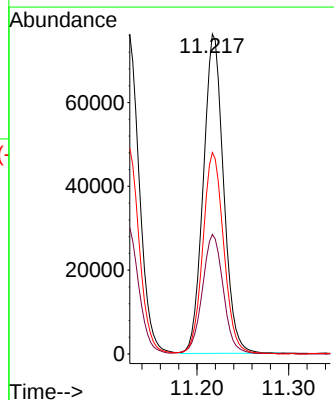
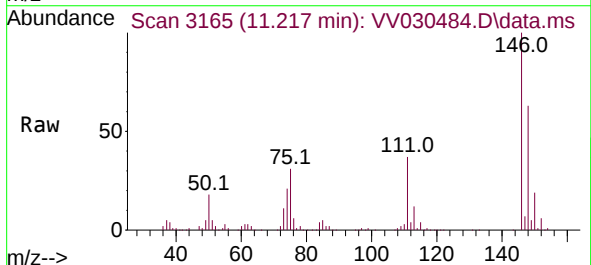
Instrument :
MSVOA_V
ClientSampleId :
VSTD005327

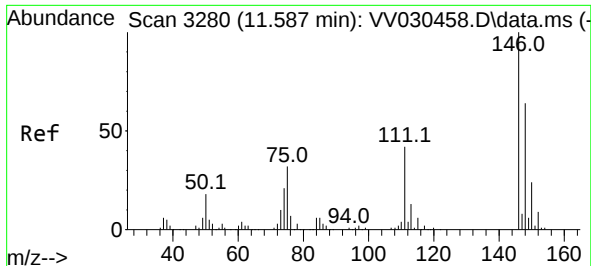
Tgt Ion:146 Resp: 118690
Ion Ratio Lower Upper
146 100
111 39.5 27.0 50.2
148 64.5 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 4.449 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

Tgt Ion:146 Resp: 116959
Ion Ratio Lower Upper
146 100
111 37.4 26.0 48.4
148 63.0 45.2 84.0

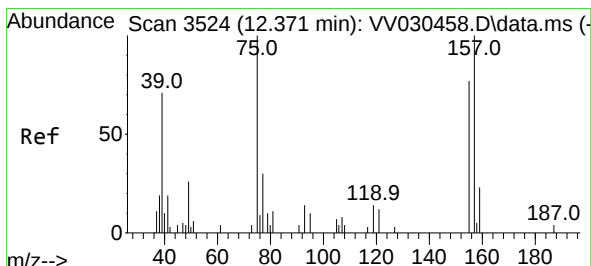
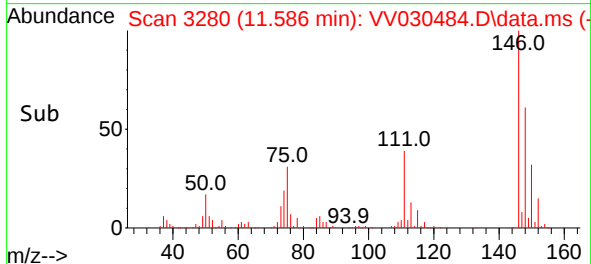
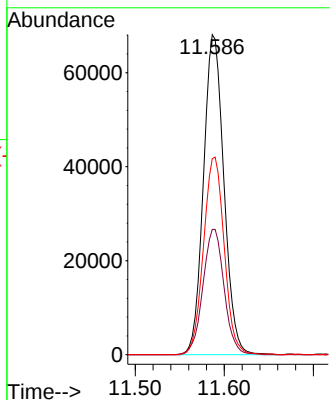
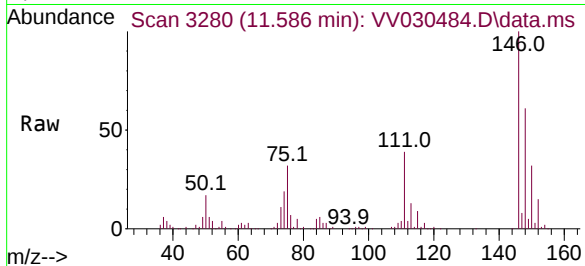




#67
1,2-Dichlorobenzene
Concen: 4.610 ug/L
RT: 11.586 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

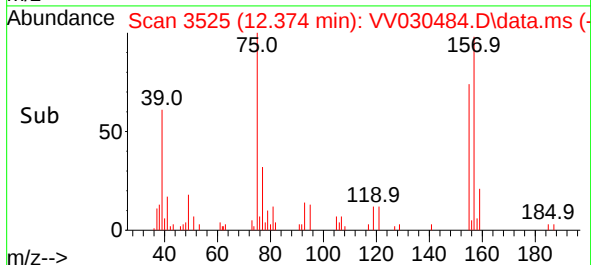
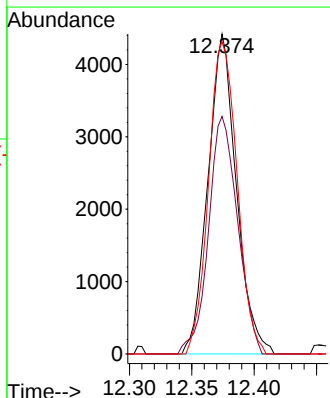
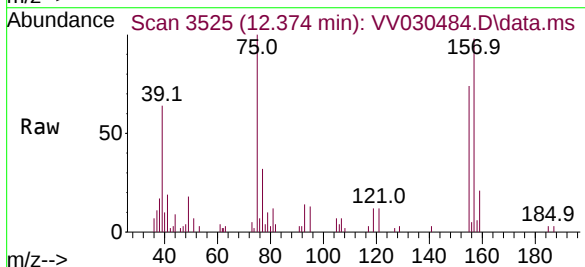
Instrument :
MSVOA_V
ClientSampleId :
VSTD005327

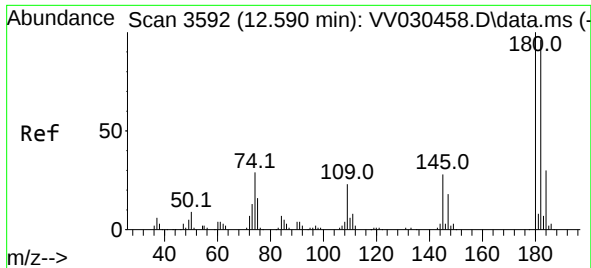
Tgt Ion:146 Resp: 108408
Ion Ratio Lower Upper
146 100
111 39.2 33.1 49.7
148 61.2 52.2 78.2



#68
1,2-Dibromo-3-chloropropane
Concen: 4.445 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.003 min
Lab File: VV030484.D
Acq: 10 Apr 2023 21:49

Tgt Ion: 75 Resp: 7014
Ion Ratio Lower Upper
75 100
155 74.3 64.6 96.8
157 97.6 83.8 125.6

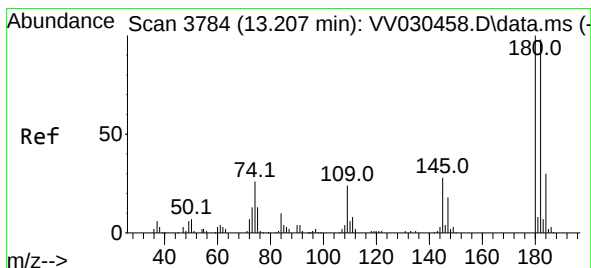
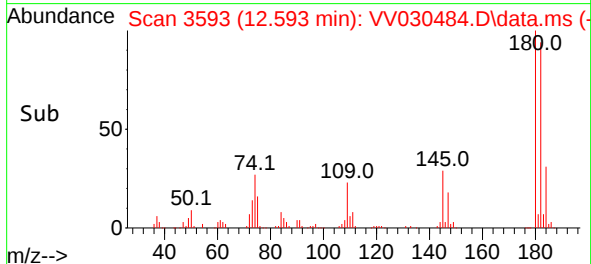
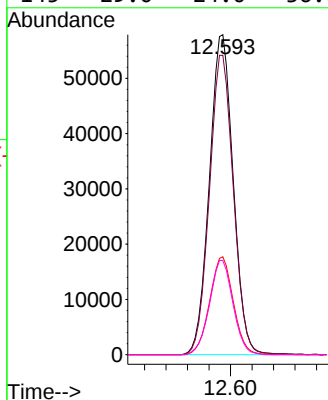
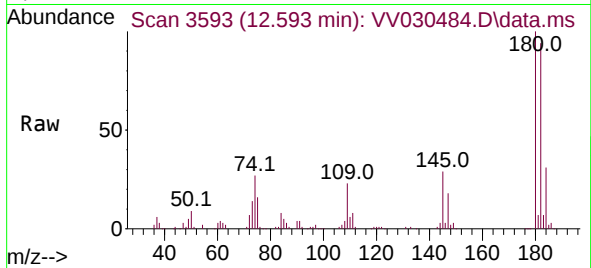




#69
 1,3,5-Trichlorobenzene
 Concen: 4.432 ug/L
 RT: 12.593 min Scan# 3593
 Delta R.T. 0.003 min
 Lab File: VV030484.D
 Acq: 10 Apr 2023 21:49

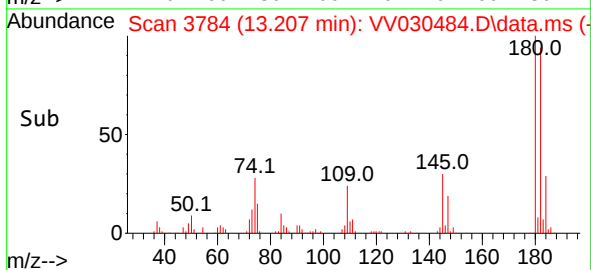
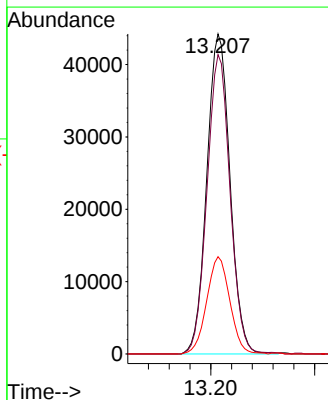
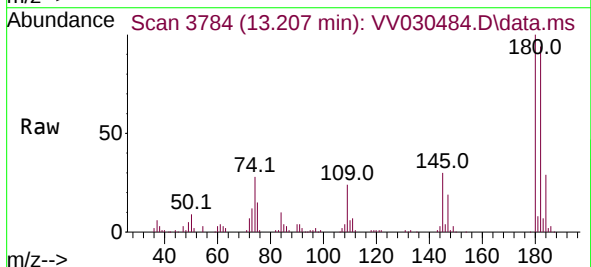
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005327

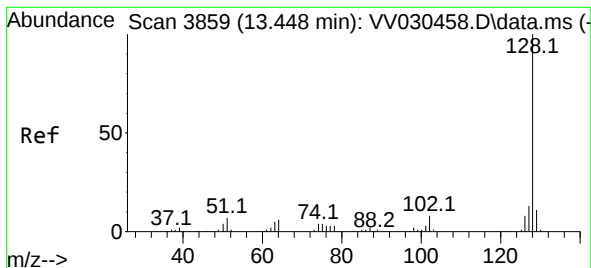
Tgt Ion:180	Resp:	89053
Ion Ratio	Lower	Upper
180	100	
182	93.9	76.5 114.7
184	30.4	24.0 36.0
145	29.0	24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 4.419 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. -0.000 min
 Lab File: VV030484.D
 Acq: 10 Apr 2023 21:49

Tgt Ion:180	Resp:	68557
Ion Ratio	Lower	Upper
180	100	
182	93.0	75.3 112.9
145	30.3	23.8 35.6





#71

Naphthalene

Concen: 3.998 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD005327

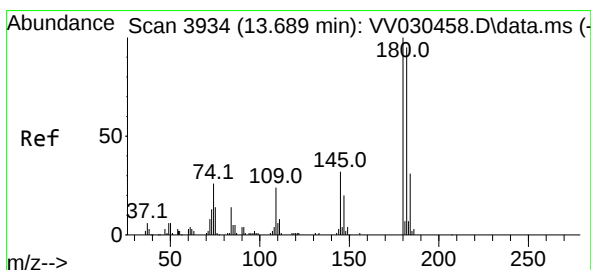
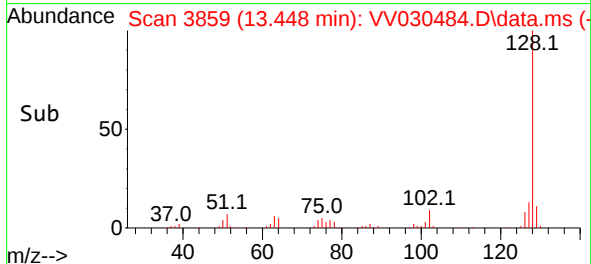
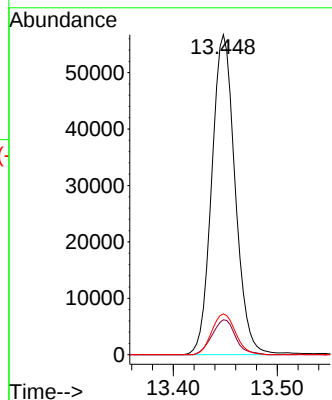
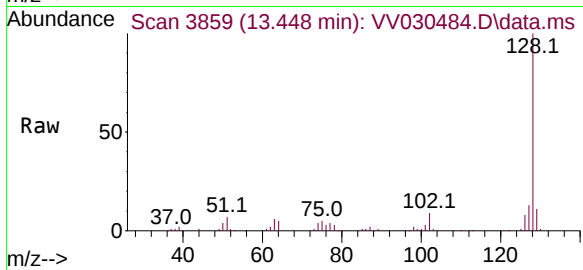
Tgt Ion:128 Resp: 88565

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 13.0 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 4.383 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030484.D

Acq: 10 Apr 2023 21:49

Tgt Ion:180 Resp: 58903

Ion Ratio Lower Upper

180 100

182 93.5 76.6 115.0

145 31.7 25.0 37.4

