

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060523\
 Data File : VW031360.D
 Acq On : 05 Jun 2023 20:30
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005364

Quant Time: Jun 06 02:12:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jun 06 02:05:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	142605	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	140812	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	78445	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	55735	3.842	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.800%
7) Chloroethane-d5	1.529	69	49928	4.075	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.400%
11) 1,1-Dichloroethene-d2	2.056	65	30089	4.272	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.400%
20) 2-Butanone-d5	3.857	46	142658	42.489	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.980%
24) Chloroform-d	4.256	84	120826	4.954	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	4.950	65	60399	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	4.966	84	211408	4.939	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
36) 1,2-Dichloropropane-d6	5.995	67	69034	4.775	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.249	98	202033	5.026	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
43) trans-1,3-Dichloroprop...	7.561	79	25617	4.866	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.400%
46) 2-Hexanone-d5	8.037	63	101788	48.135	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.260%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	49405	4.495	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	11.567	152	69382	4.690	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	79447	4.128	ug/L	98
3) Chloromethane	1.217	50	74377	3.912	ug/L	98
5) Vinyl chloride	1.281	62	78603	4.135	ug/L	100
6) Bromomethane	1.487	94	42704	3.919	ug/L	99
8) Chloroethane	1.545	64	45756	3.861	ug/L	98
9) Trichlorofluoromethane	1.709	101	124308	4.441	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	63837	4.125	ug/L	97
12) 1,1-Dichloroethene	2.066	96	57000	4.278	ug/L	95
13) Acetone	2.153	43	23899	6.159	ug/L	95
14) Carbon disulfide	2.236	76	162460	4.113	ug/L	99
15) Methyl Acetate	2.397	43	27546	3.654	ug/L	98
16) Methylene chloride	2.449	84	66524	4.107	ug/L	97
17) Methyl tert-butyl Ether	2.715	73	130124	4.286	ug/L	97
18) trans-1,2-Dichloroethene	2.693	96	53281	4.217	ug/L	93
19) 1,1-Dichloroethane	3.114	63	118509	4.223	ug/L	99
21) 2-Butanone	3.921	43	144331	28.602	ug/L	99
22) cis-1,2-Dichloroethene	3.821	96	59342	4.635	ug/L	93
23) Bromochloromethane	4.156	128	25753	4.255	ug/L	94
25) Chloroform	4.284	83	118312	4.032	ug/L	100

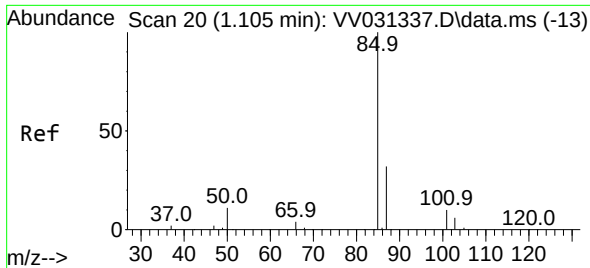
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060523\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jun 06 02:05:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	75545	4.429	ug/L	100
29) 1,1,1-Trichloroethane	4.516	97	107161	4.577	ug/L	99
30) Cyclohexane	4.587	56	97145	4.570	ug/L	98
31) Carbon tetrachloride	4.738	117	95850	4.591	ug/L	100
33) Benzene	5.014	78	234309	4.676	ug/L	100
34) Trichloroethene	5.837	95	61632	4.554	ug/L	97
35) Methylcyclohexane	6.056	83	92846	4.608	ug/L	96
37) 1,2-Dichloropropane	6.101	63	63547	4.309	ug/L	98
38) Bromodichloromethane	6.439	83	82442	4.372	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	85695	4.427	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	382937	44.252	ug/L	99
42) Toluene	7.320	91	249556	4.693	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	74506	4.474	ug/L	96
45) 1,1,2-Trichloroethane	7.776	97	43134	4.309	ug/L	98
47) Tetrachloroethene	7.911	164	49638	4.706	ug/L	97
48) 2-Hexanone	8.088	43	280063	40.752	ug/L	99
49) Dibromochloromethane	8.185	129	49418	4.420	ug/L	97
50) 1,2-Dibromoethane	8.291	107	39957	4.316	ug/L	98
51) Chlorobenzene	8.821	112	152739	4.611	ug/L	98
52) Ethylbenzene	8.953	91	264058	4.747	ug/L	98
53) m,p-Xylene	9.079	106	95989	4.797	ug/L	96
54) o-Xylene	9.484	106	92124	4.912	ug/L	98
55) Styrene	9.503	104	168284	5.045	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	49397	4.140	ug/L	97
59) Bromoform	9.670	173	28697	4.540	ug/L	99
60) Isopropylbenzene	9.873	105	257069	4.562	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	37717	3.936	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	206554	4.524	ug/L	97
63) 1,2,4-Trimethylbenzene	10.860	105	215469	4.572	ug/L	96
64) 1,3-Dichlorobenzene	11.123	146	126945	4.652	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	125738	4.399	ug/L	100
67) 1,2-Dichlorobenzene	11.586	146	117317	4.481	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	8581	3.903	ug/L	97
69) 1,3,5-Trichlorobenzene	12.590	180	93233	4.598	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	71215	4.379	ug/L	98
71) Naphthalene	13.448	128	102474	4.107	ug/L	98
72) 1,2,3-Trichlorobenzene	13.689	180	66194	4.538	ug/L	98

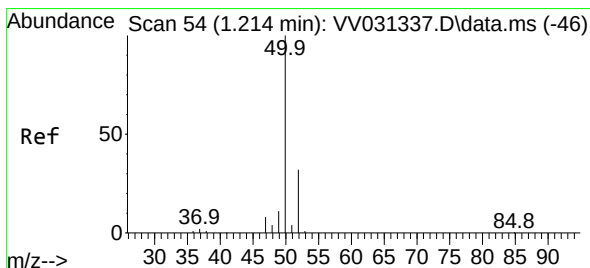
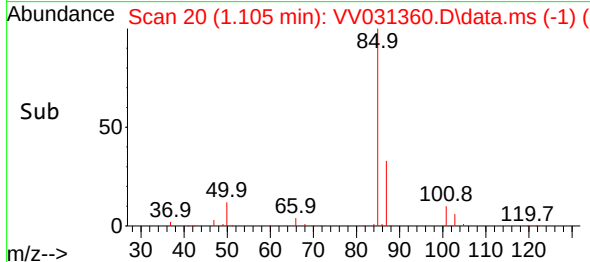
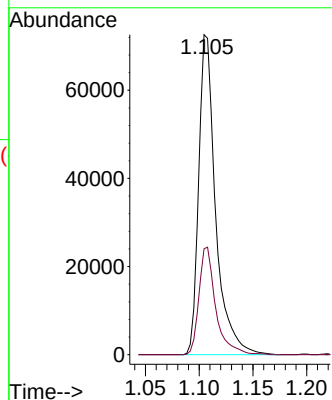
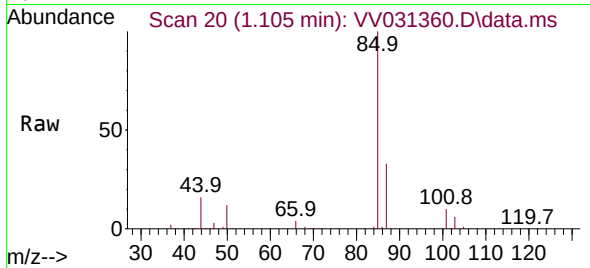
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.128 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV031360.D
 Acq: 05 Jun 2023 20:30

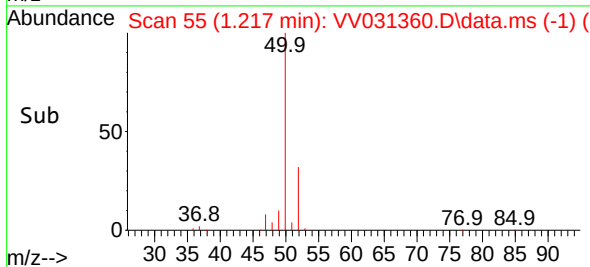
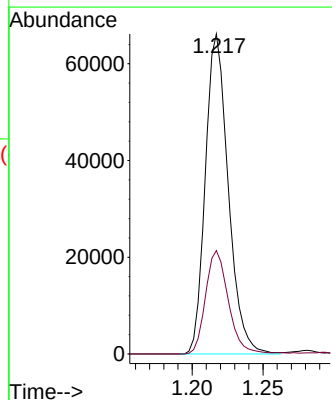
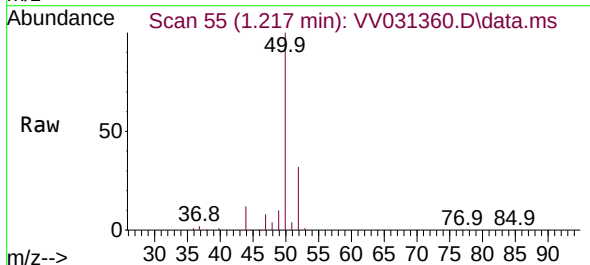
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005364

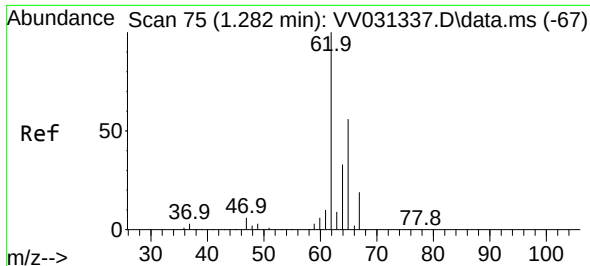
Tgt Ion: 85 Resp: 79447
 Ion Ratio Lower Upper
 85 100
 87 33.3 25.6 38.4



#3
 Chloromethane
 Concen: 3.912 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV031360.D
 Acq: 05 Jun 2023 20:30

Tgt Ion: 50 Resp: 74377
 Ion Ratio Lower Upper
 50 100
 52 32.3 23.2 43.2

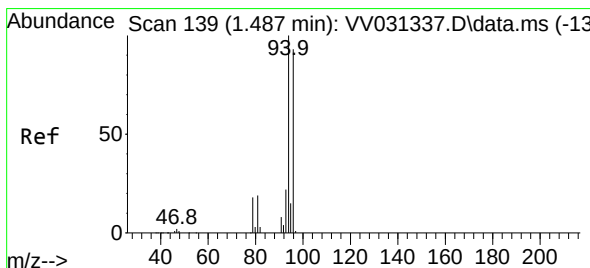
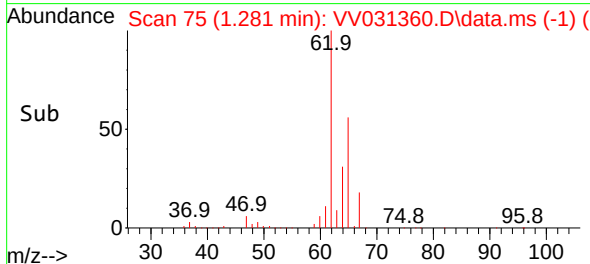
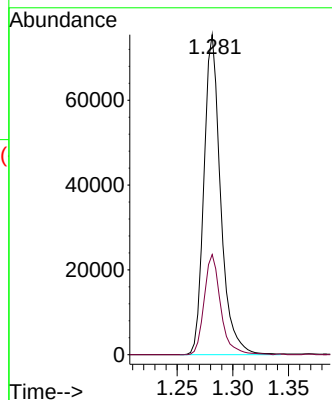
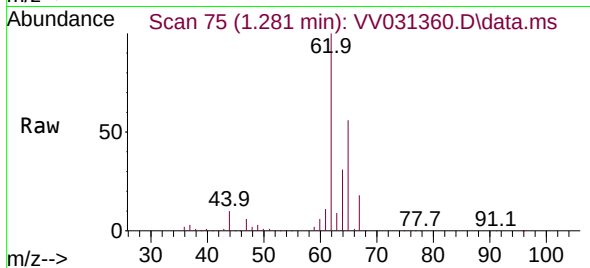




#5
 Vinyl chloride
 Concen: 4.135 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV031360.D
 Acq: 05 Jun 2023 20:30

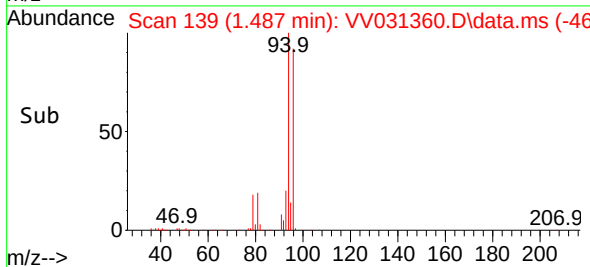
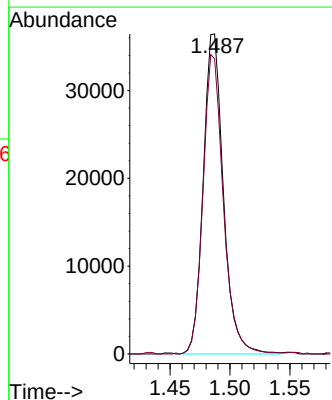
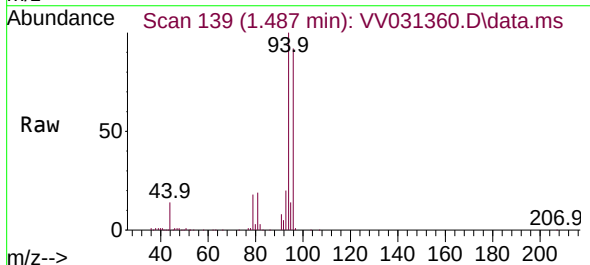
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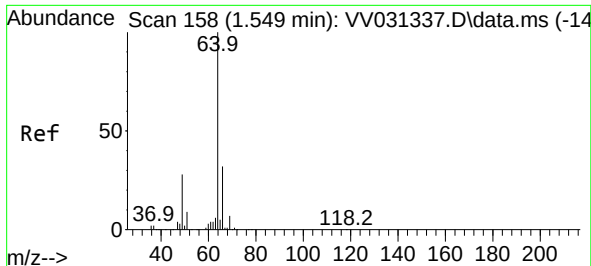
Tgt Ion: 62 Resp: 78603
 Ion Ratio Lower Upper
 62 100
 64 31.3 22.0 40.8



#6
 Bromomethane
 Concen: 3.919 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.000 min
 Lab File: VV031360.D
 Acq: 05 Jun 2023 20:30

Tgt Ion: 94 Resp: 42704
 Ion Ratio Lower Upper
 94 100
 96 92.3 63.7 118.3

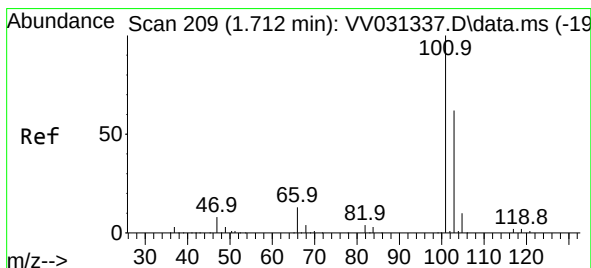
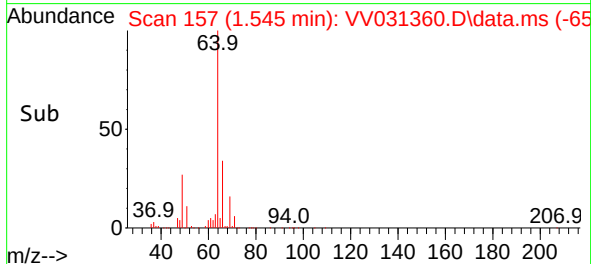
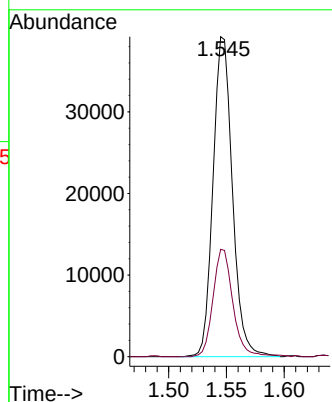
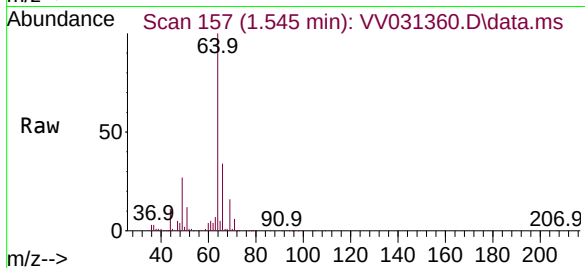




#8
Chloroethane
Concen: 3.861 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

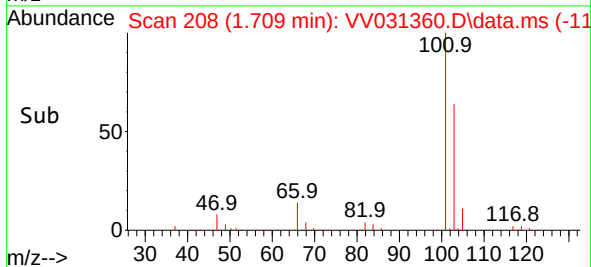
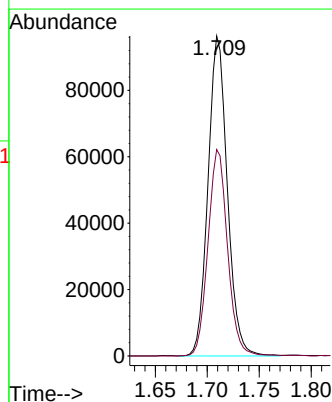
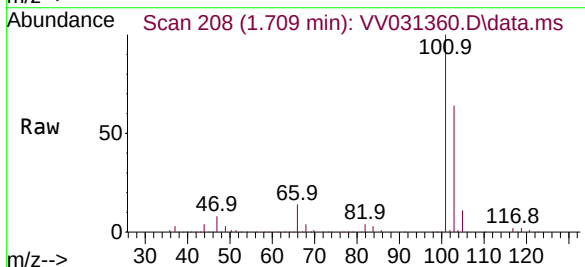
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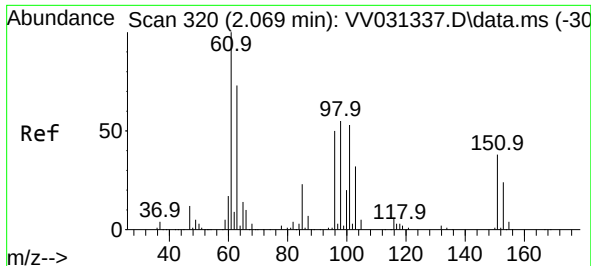
Tgt Ion: 64 Resp: 45756
Ion Ratio Lower Upper
64 100
66 33.6 22.5 41.9



#9
Trichlorofluoromethane
Concen: 4.441 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.003 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

Tgt Ion: 101 Resp: 124308
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.125 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005364

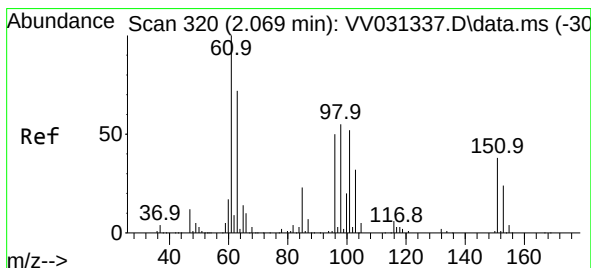
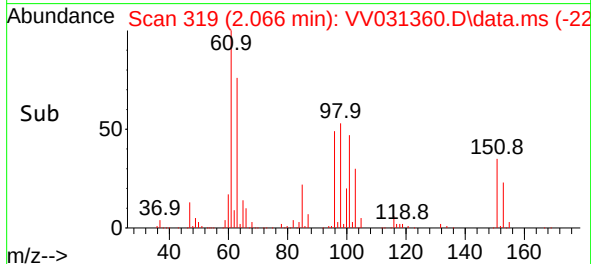
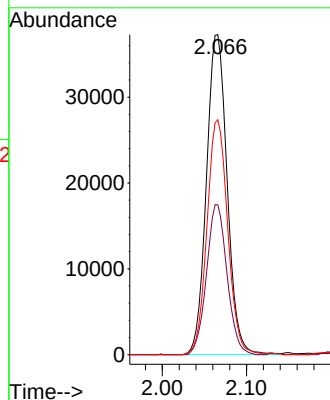
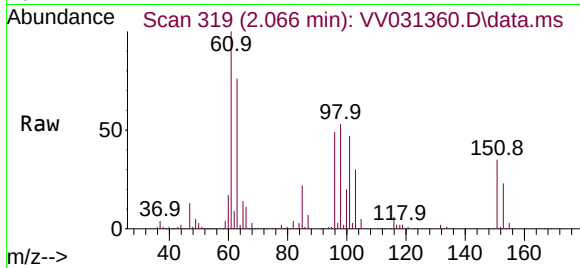
Tgt Ion:101 Resp: 63837

Ion Ratio Lower Upper

101 100

85 46.4 37.2 55.8

151 73.6 55.5 83.3



#12

1,1-Dichloroethene

Concen: 4.278 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

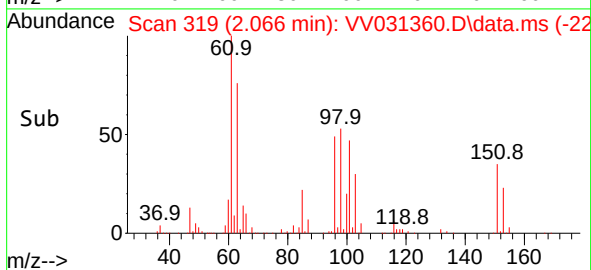
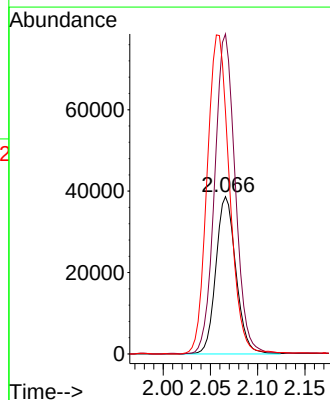
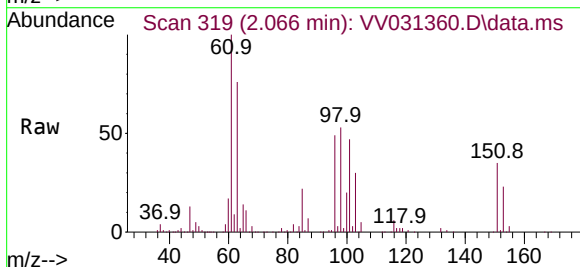
Tgt Ion: 96 Resp: 57000

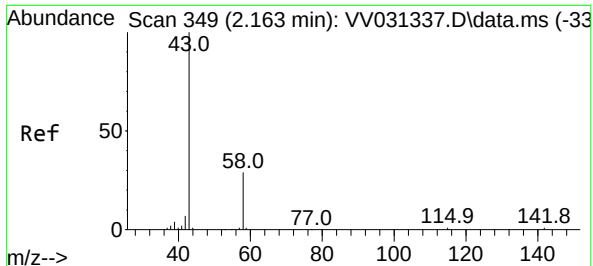
Ion Ratio Lower Upper

96 100

61 203.4 138.3 256.8

63 154.1 101.9 189.3





#13

Acetone

Concen: 6.159 ug/L

RT: 2.153 min Scan# 34

Delta R.T. -0.010 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

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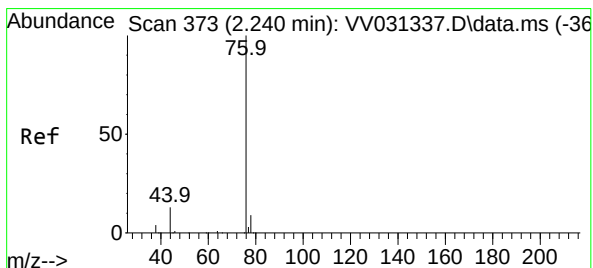
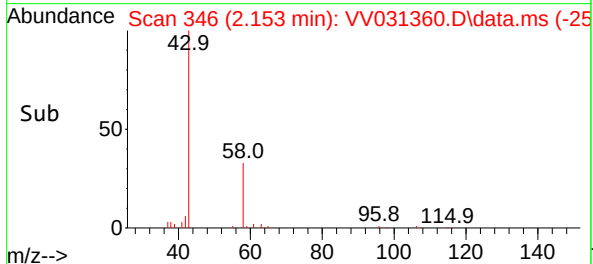
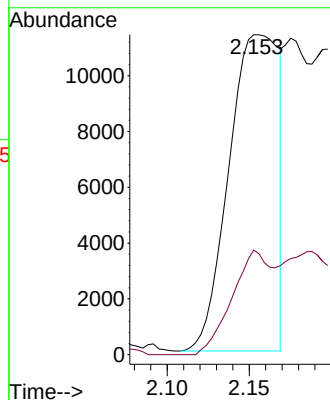
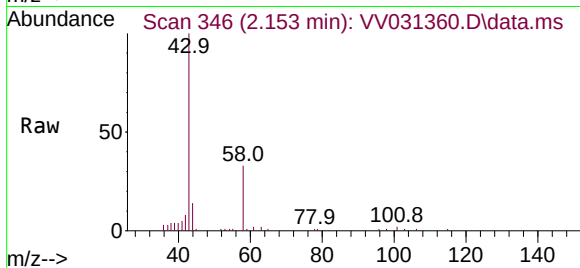
VSTD005364

Tgt Ion: 43 Resp: 23899

Ion Ratio Lower Upper

43 100

58 26.6 0.0 48.4



#14

Carbon disulfide

Concen: 4.113 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.003 min

Lab File: VV031360.D

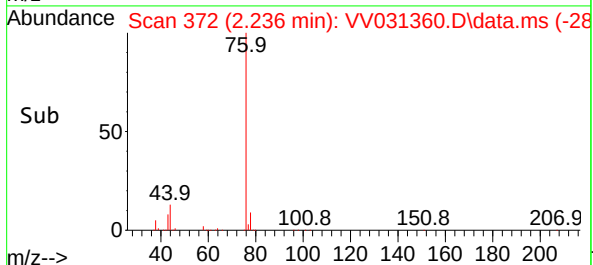
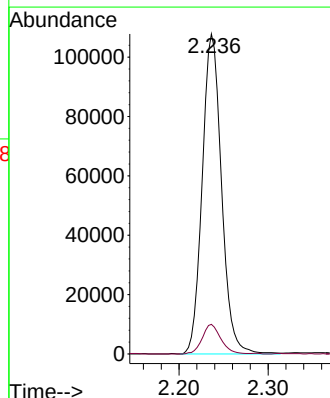
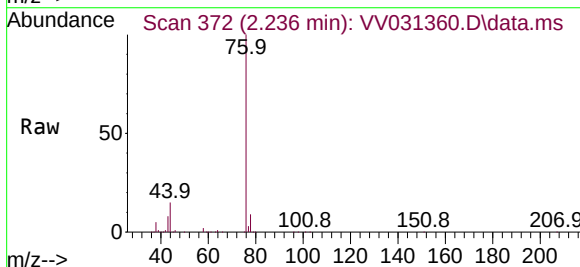
Acq: 05 Jun 2023 20:30

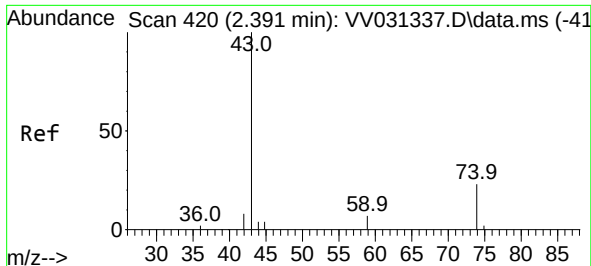
Tgt Ion: 76 Resp: 162460

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

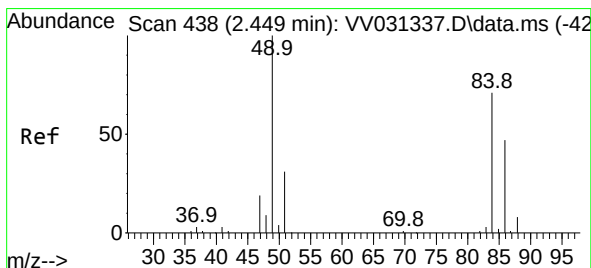
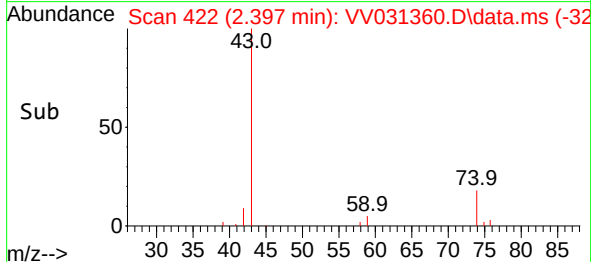
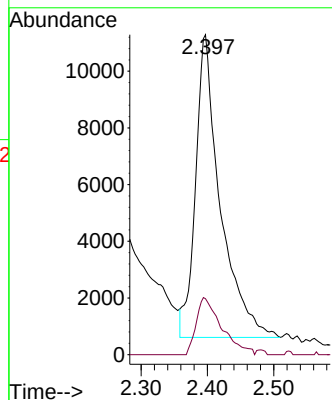
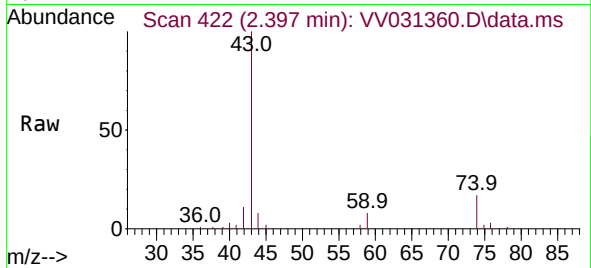




#15
Methyl Acetate
Concen: 3.654 ug/L
RT: 2.397 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

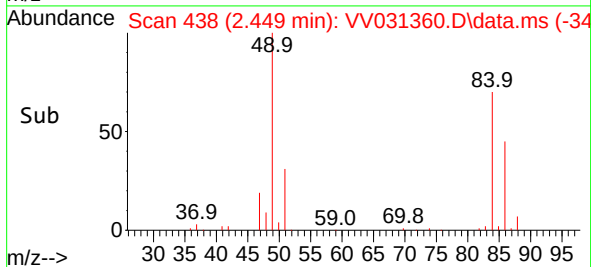
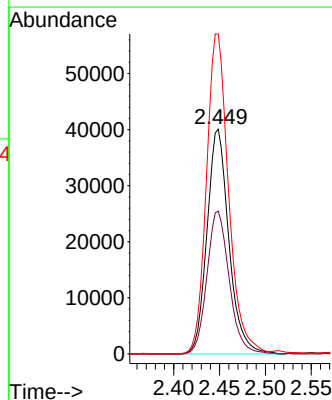
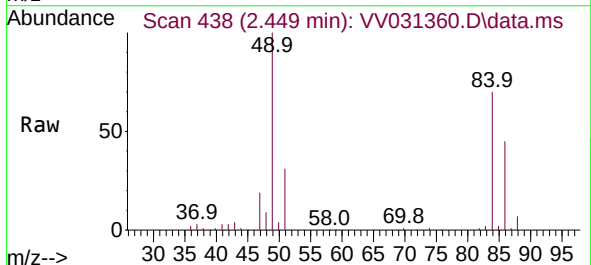
Instrument :
MSVOA_V
ClientSampleId :
VSTD005364

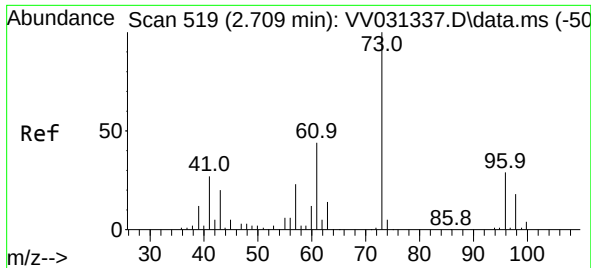
Tgt Ion: 43 Resp: 27546
Ion Ratio Lower Upper
43 100
74 19.3 16.2 24.2



#16
Methylene chloride
Concen: 4.107 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

Tgt Ion: 84 Resp: 66524
Ion Ratio Lower Upper
84 100
86 63.5 46.7 86.7
49 142.4 101.6 188.8

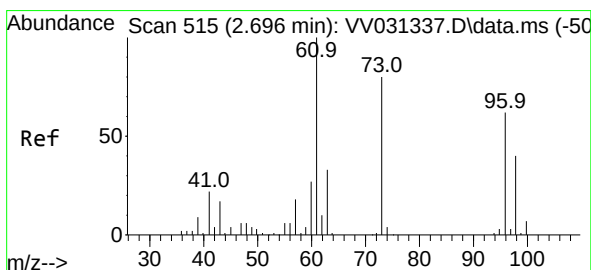
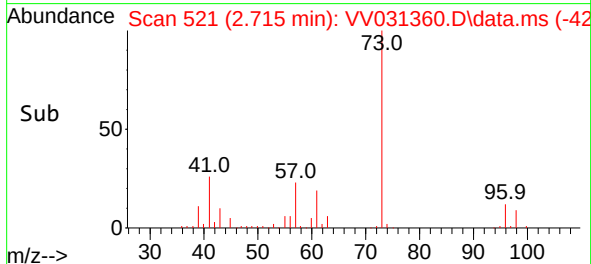
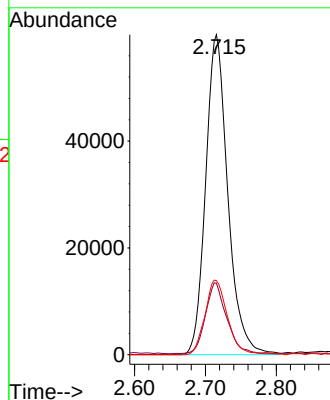
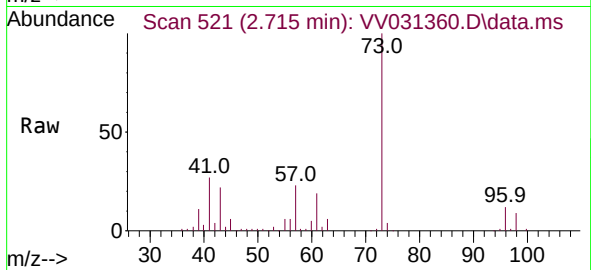




#17
Methyl tert-butyl Ether
Concen: 4.286 ug/L
RT: 2.715 min Scan# 519
Delta R.T. 0.006 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

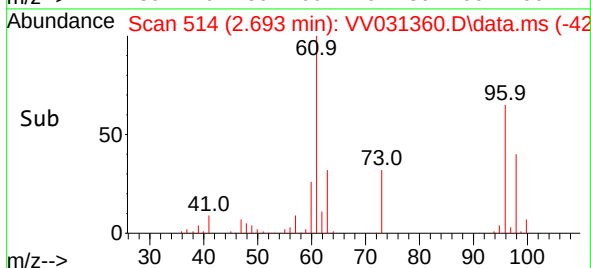
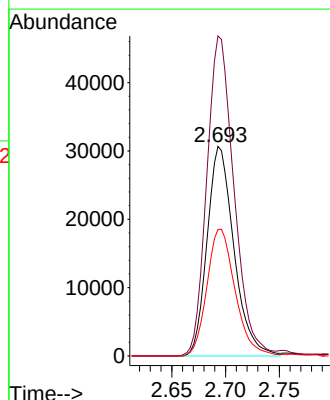
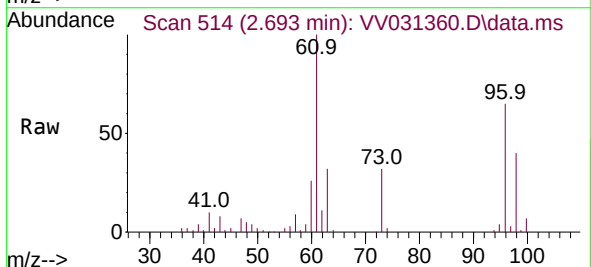
Instrument :
MSVOA_V
ClientSampleId :
VSTD005364

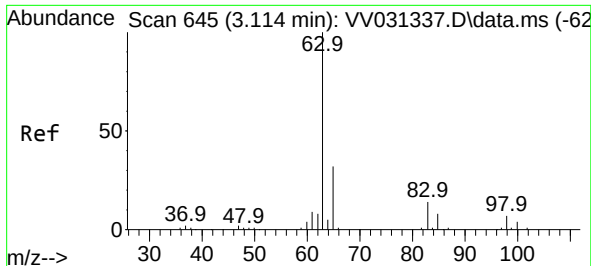
Tgt Ion: 73 Resp: 130124
Ion Ratio Lower Upper
73 100
43 20.9 17.8 26.8
57 23.6 19.8 29.8



#18
trans-1,2-Dichloroethene
Concen: 4.217 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.003 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

Tgt Ion: 96 Resp: 53281
Ion Ratio Lower Upper
96 100
61 152.7 114.2 212.0
98 60.3 45.0 83.6

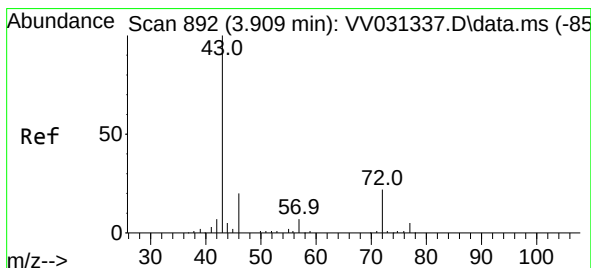
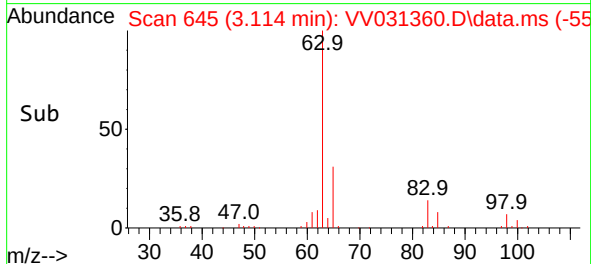
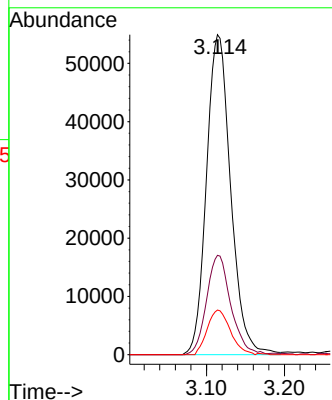
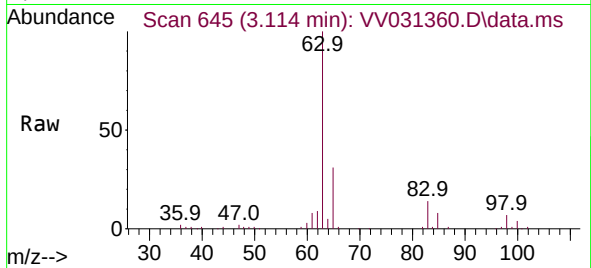




#19
1,1-Dichloroethane
Concen: 4.223 ug/L
RT: 3.114 min Scan# 645
Delta R.T. -0.000 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

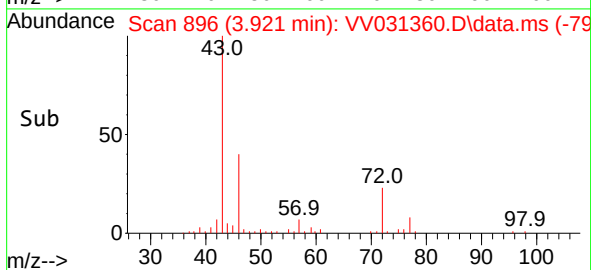
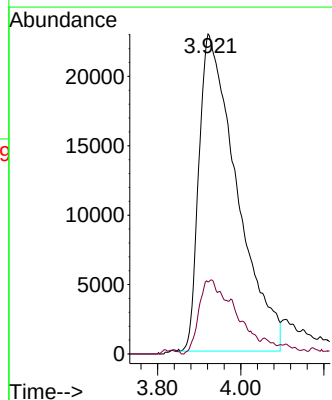
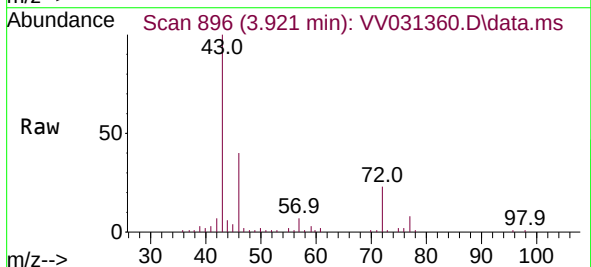
Instrument :
MSVOA_V
ClientSampleId :
VSTD005364

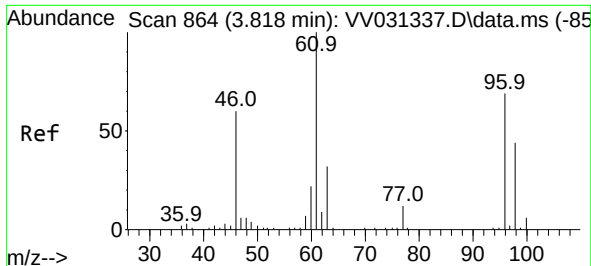
Tgt Ion: 63 Resp: 118509
Ion Ratio Lower Upper
63 100
65 31.1 22.0 40.8
83 13.9 9.0 16.6



#21
2-Butanone
Concen: 28.602 ug/L
RT: 3.921 min Scan# 896
Delta R.T. 0.013 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

Tgt Ion: 43 Resp: 144331
Ion Ratio Lower Upper
43 100
72 15.1 7.8 23.5





#22

cis-1,2-Dichloroethene

Concen: 4.635 ug/L

RT: 3.821 min Scan# 865

Delta R.T. 0.003 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005364

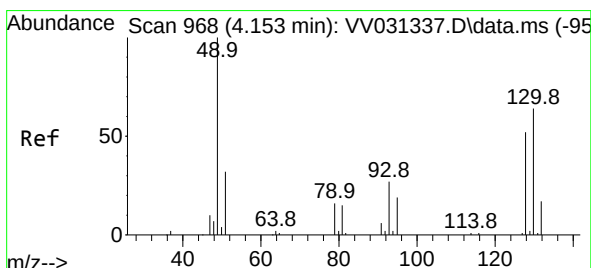
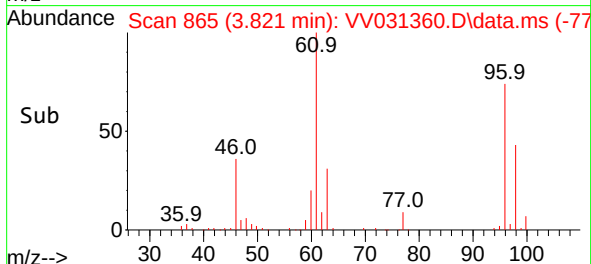
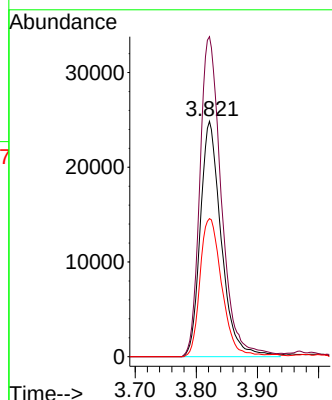
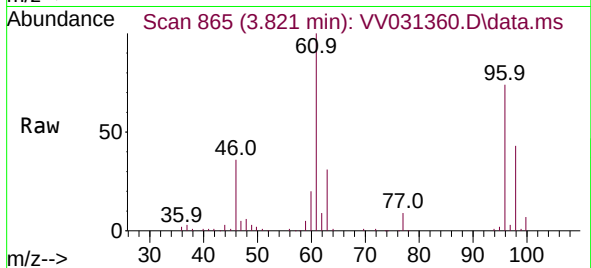
Tgt Ion: 96 Resp: 59342

Ion Ratio Lower Upper

96 100

61 136.0 100.8 187.2

98 58.7 45.1 83.9



#23

Bromochloromethane

Concen: 4.255 ug/L

RT: 4.156 min Scan# 969

Delta R.T. 0.003 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

Tgt Ion:128 Resp: 25753

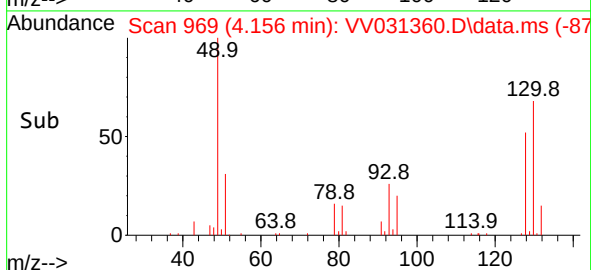
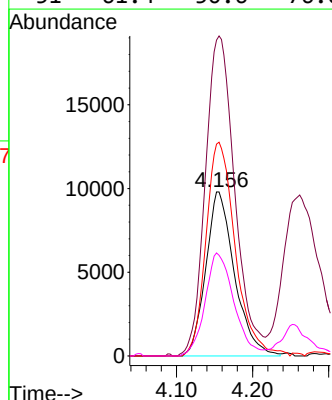
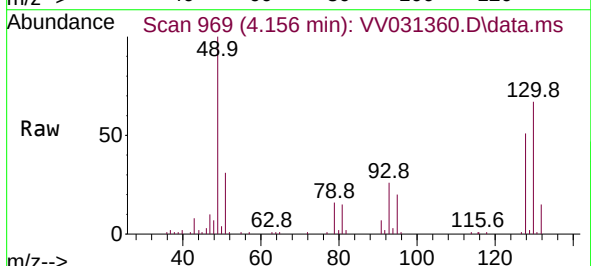
Ion Ratio Lower Upper

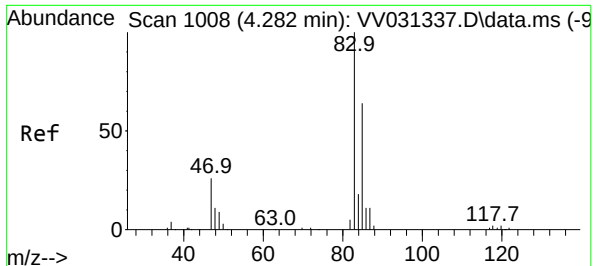
128 100

49 195.1 148.1 275.0

130 130.3 89.9 166.9

51 61.4 50.6 76.0

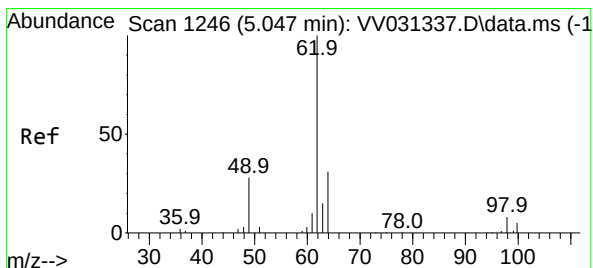
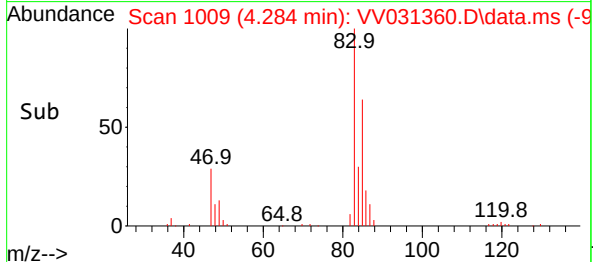
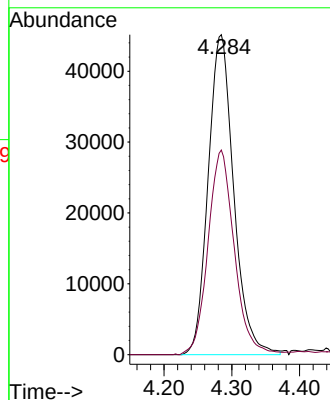
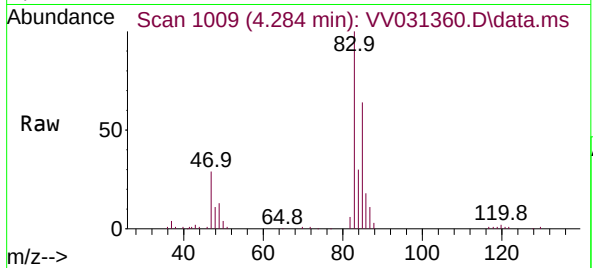




#25
Chloroform
Concen: 4.032 ug/L
RT: 4.284 min Scan# 1008
Delta R.T. 0.003 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

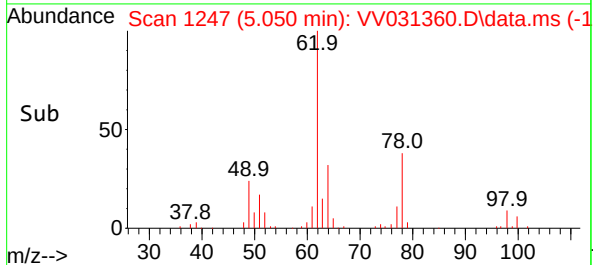
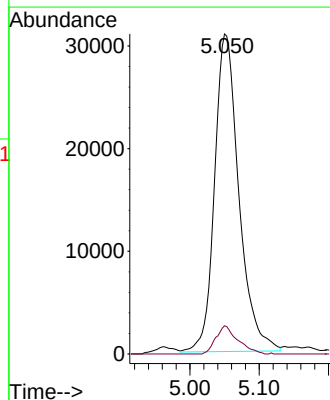
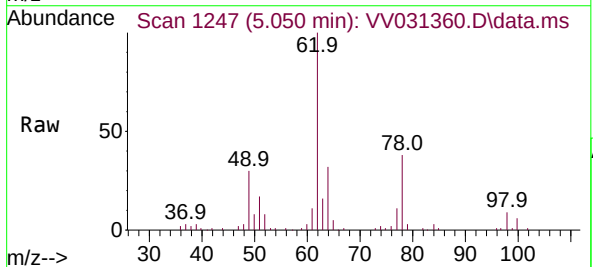
Instrument :
MSVOA_V
ClientSampleId :
VSTD005364

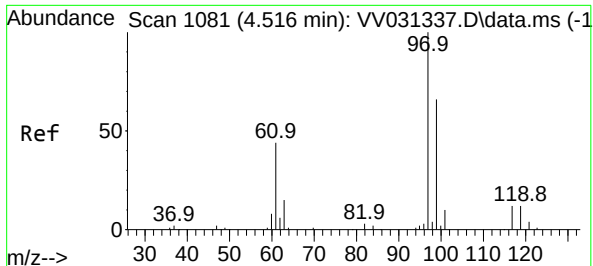
Tgt Ion: 83 Resp: 118312
Ion Ratio Lower Upper
83 100
85 63.9 44.9 83.3



#27
1,2-Dichloroethane
Concen: 4.429 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.003 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

Tgt Ion: 62 Resp: 75545
Ion Ratio Lower Upper
62 100
98 8.8 7.2 10.8





#29

1,1,1-Trichloroethane

Concen: 4.577 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.000 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005364

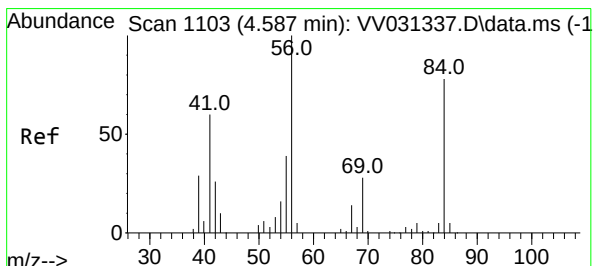
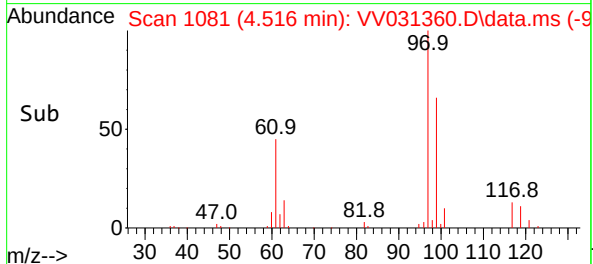
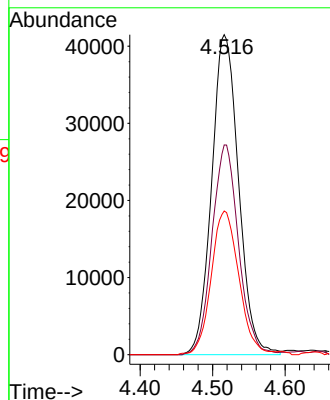
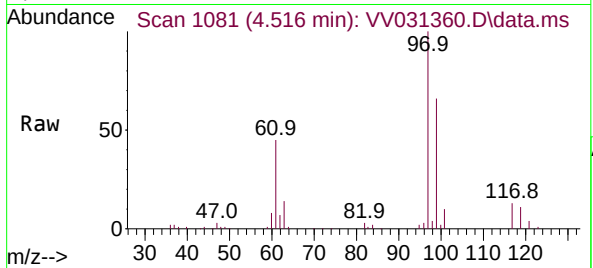
Tgt Ion: 97 Resp: 107161

Ion Ratio Lower Upper

97 100

99 64.7 52.2 78.4

61 46.1 36.4 54.6



#30

Cyclohexane

Concen: 4.570 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

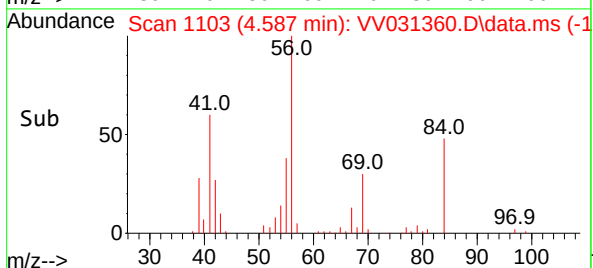
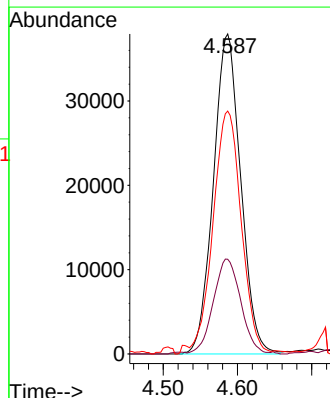
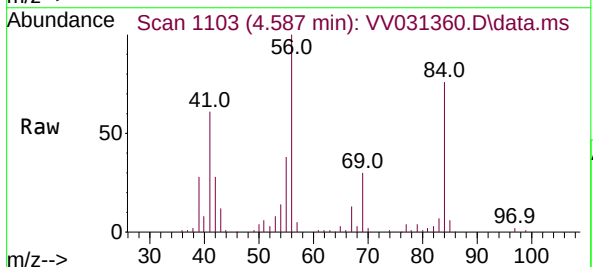
Tgt Ion: 56 Resp: 97145

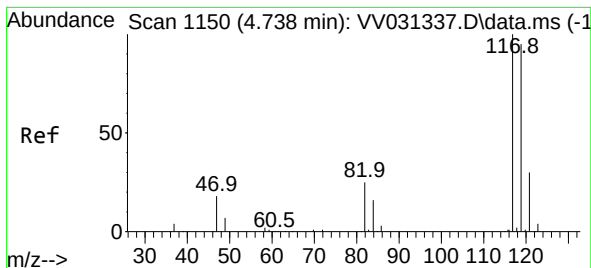
Ion Ratio Lower Upper

56 100

69 28.9 23.2 34.8

84 75.9 58.5 87.7





#31

Carbon tetrachloride

Concen: 4.591 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. -0.000 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

Instrument :

MSVOA_V

ClientSampleId :

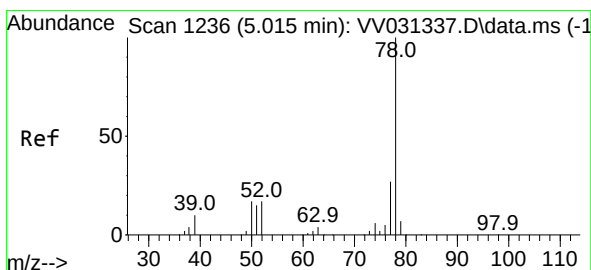
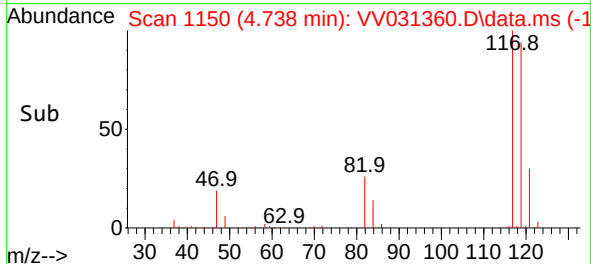
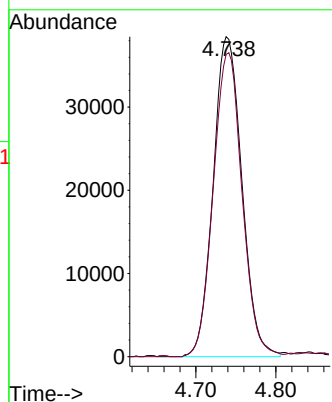
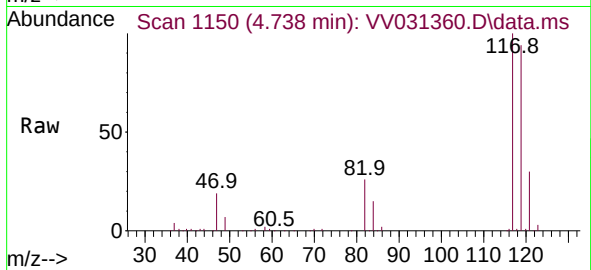
VSTD005364

Tgt Ion:117 Resp: 95850

Ion Ratio Lower Upper

117 100

119 95.2 76.3 114.5



#33

Benzene

Concen: 4.676 ug/L

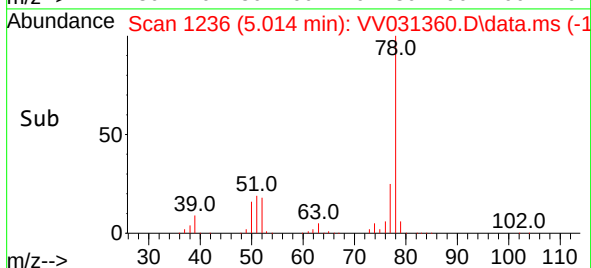
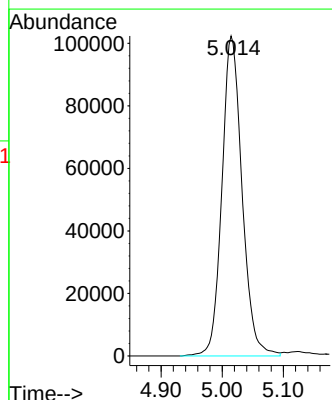
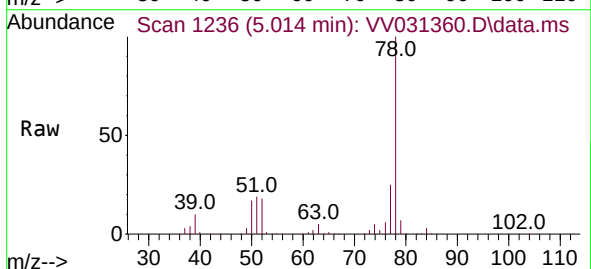
RT: 5.014 min Scan# 1236

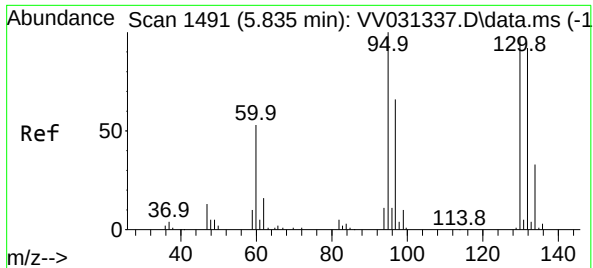
Delta R.T. -0.000 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

Tgt Ion: 78 Resp: 234309



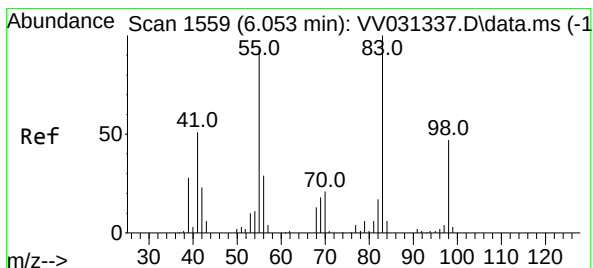
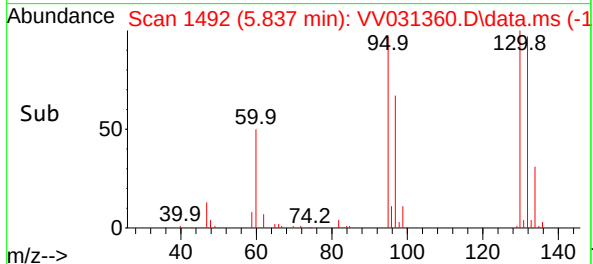
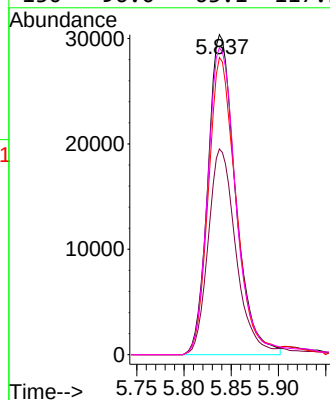
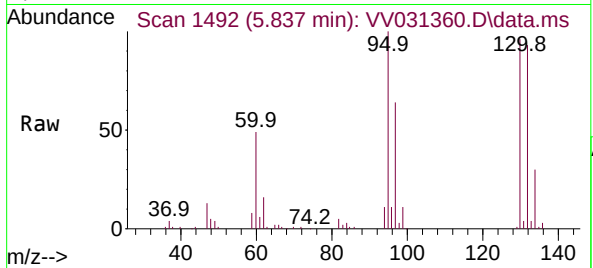


#34
Trichloroethene
Concen: 4.554 ug/L
RT: 5.837 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD005364

Tgt Ion: 95 Resp: 61632

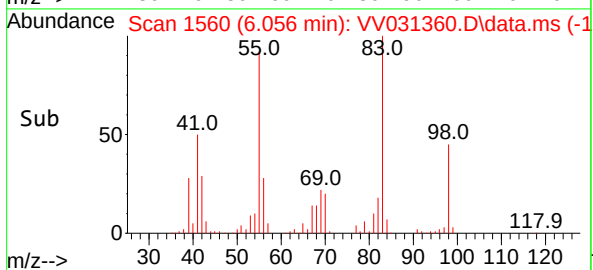
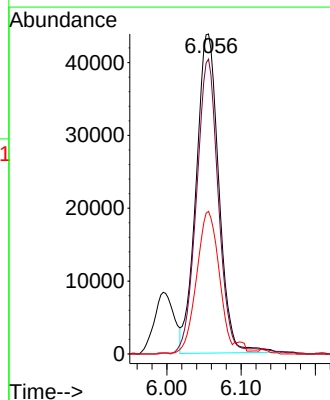
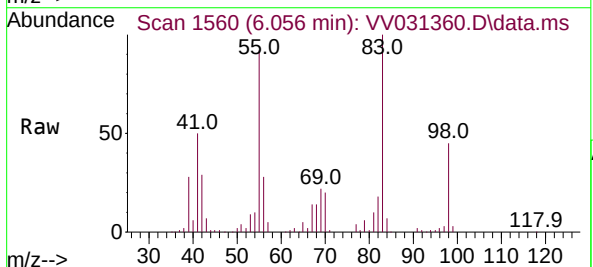
Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.1	85.5
132	92.9	64.5	119.9
130	96.0	63.1	117.1

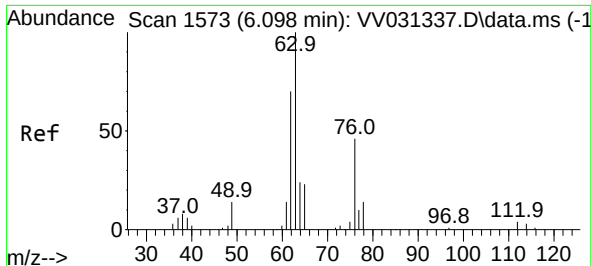


#35
Methylcyclohexane
Concen: 4.608 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.003 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

Tgt Ion: 83 Resp: 92846

Ion	Ratio	Lower	Upper
83	100		
55	88.3	74.6	112.0
98	44.3	36.5	54.7





#37

1,2-Dichloropropane

Concen: 4.309 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

Instrument :

MSVOA_V

ClientSampleId :

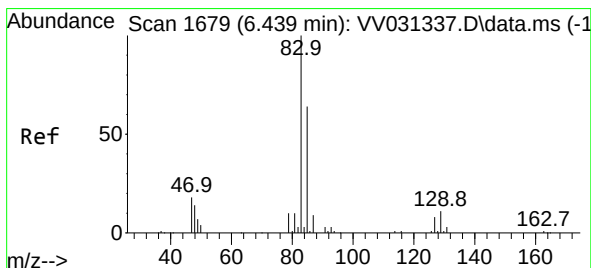
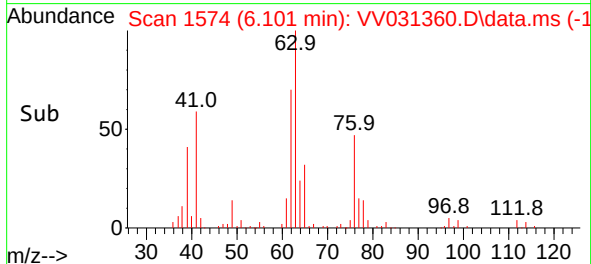
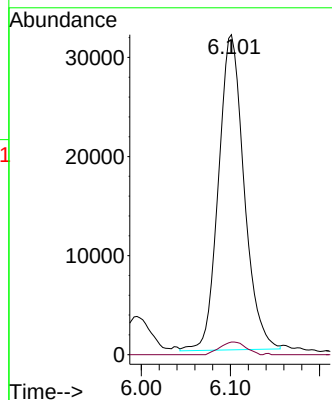
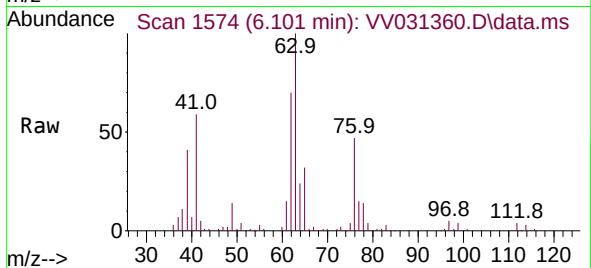
VSTD005364

Tgt Ion: 63 Resp: 63547

Ion Ratio Lower Upper

63 100

112 4.0 3.8 5.6



#38

Bromodichloromethane

Concen: 4.372 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

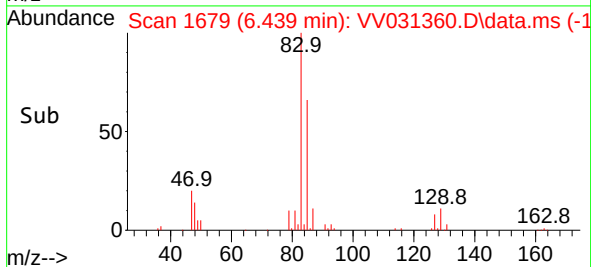
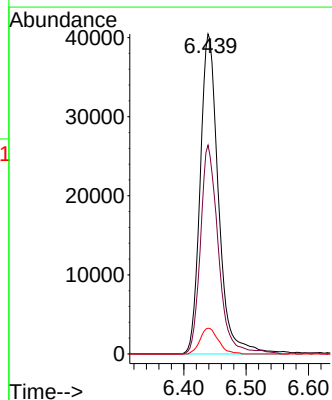
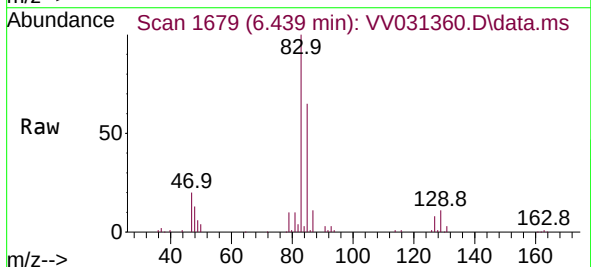
Tgt Ion: 83 Resp: 82442

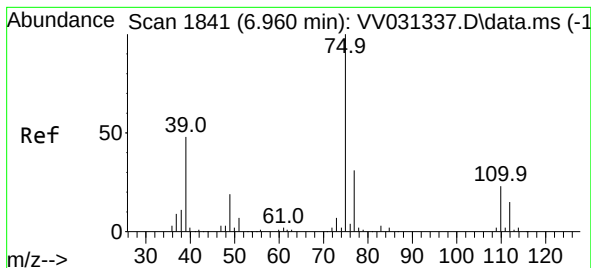
Ion Ratio Lower Upper

83 100

85 65.3 44.3 82.3

127 8.1 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 4.427 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. 0.003 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

Instrument :

MSVOA_V

ClientSampleId :

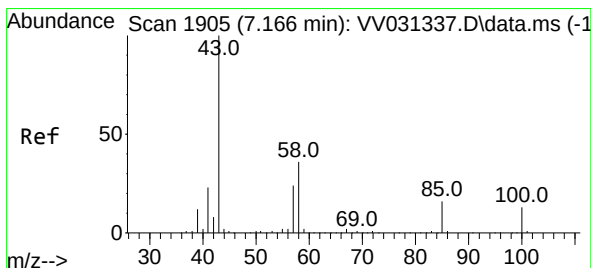
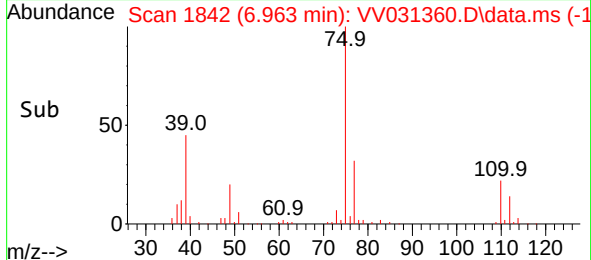
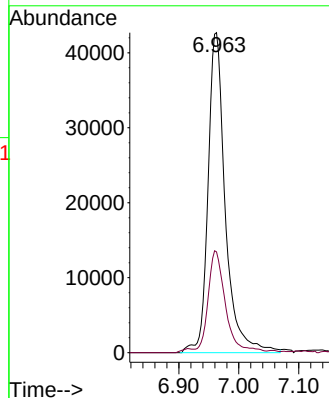
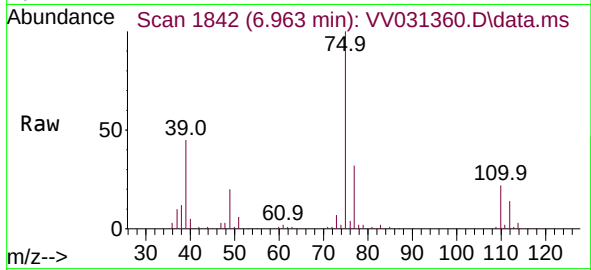
VSTD005364

Tgt Ion: 75 Resp: 85695

Ion Ratio Lower Upper

75 100

77 31.5 21.3 39.5



#40

4-Methyl-2-pentanone

Concen: 44.252 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.003 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

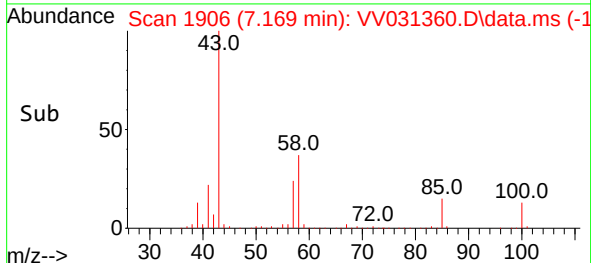
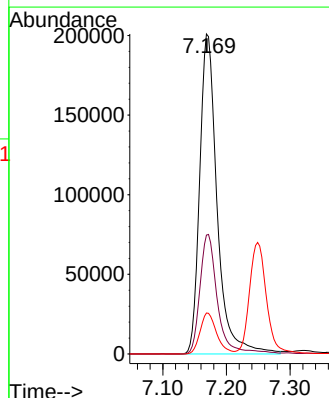
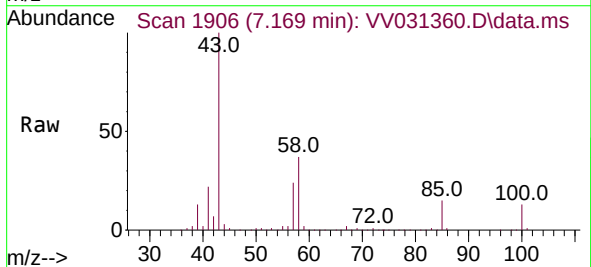
Tgt Ion: 43 Resp: 382937

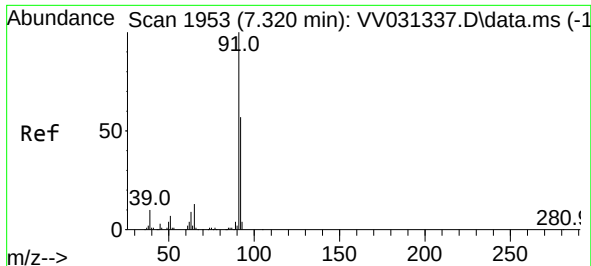
Ion Ratio Lower Upper

43 100

58 37.5 30.2 45.4

100 12.1 9.0 13.6





#42

Toluene

Concen: 4.693 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

Instrument :

MSVOA_V

ClientSampleId :

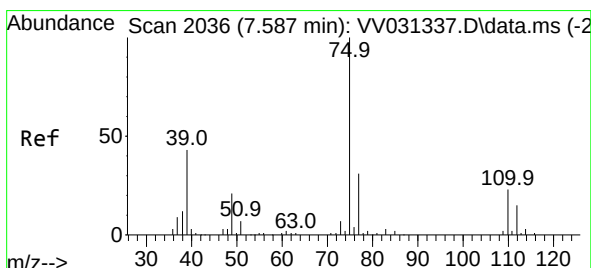
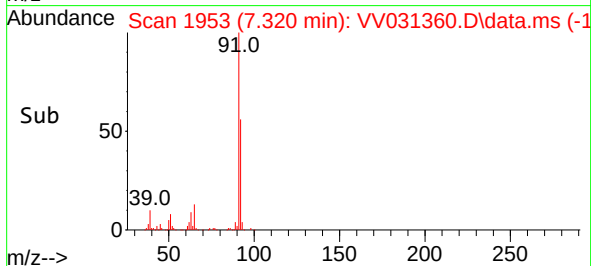
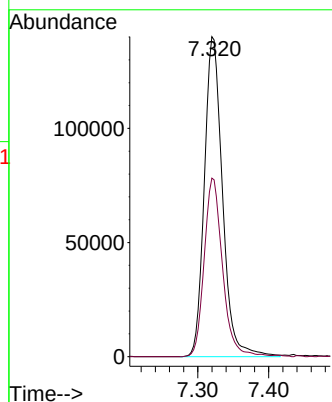
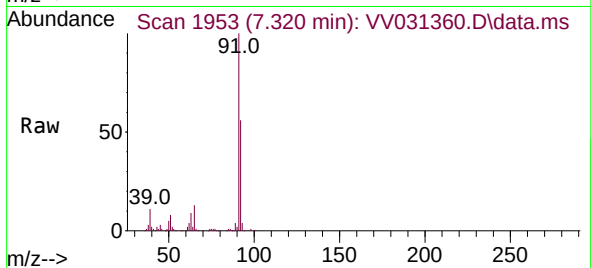
VSTD005364

Tgt Ion: 91 Resp: 249556

Ion Ratio Lower Upper

91 100

92 55.8 39.2 72.8



#44

trans-1,3-Dichloropropene

Concen: 4.474 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV031360.D

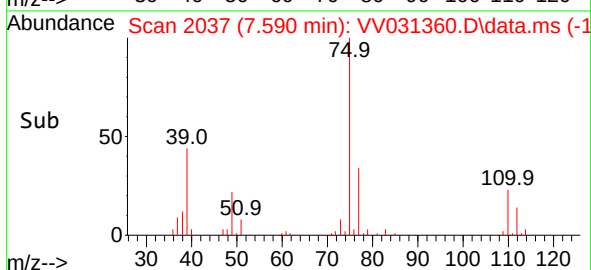
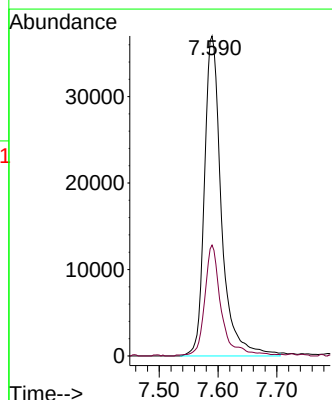
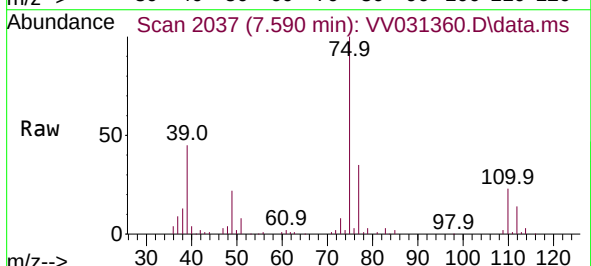
Acq: 05 Jun 2023 20:30

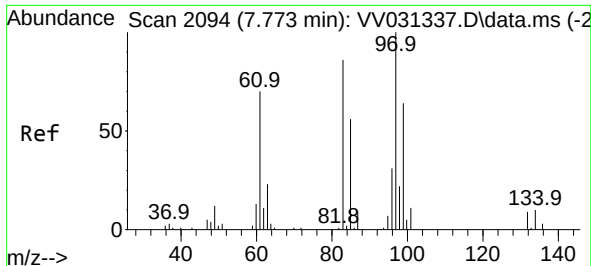
Tgt Ion: 75 Resp: 74506

Ion Ratio Lower Upper

75 100

77 34.7 22.8 42.4

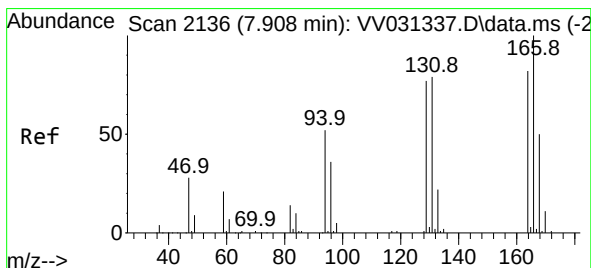
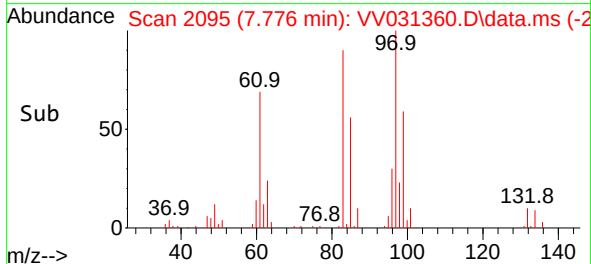
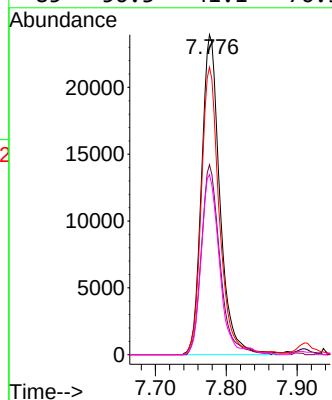
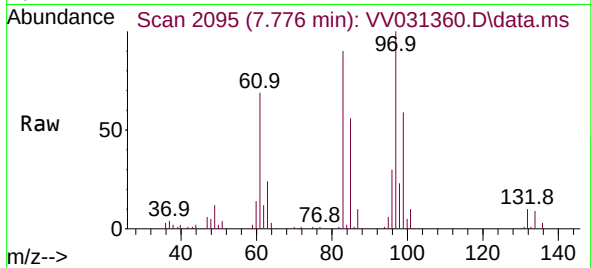




#45
1,1,2-Trichloroethane
Concen: 4.309 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

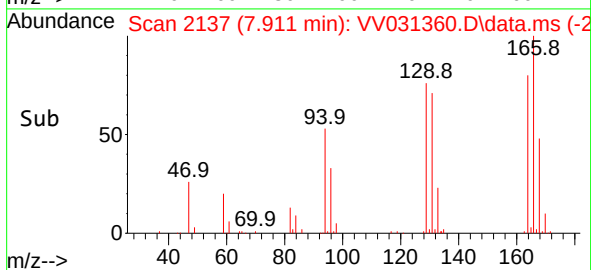
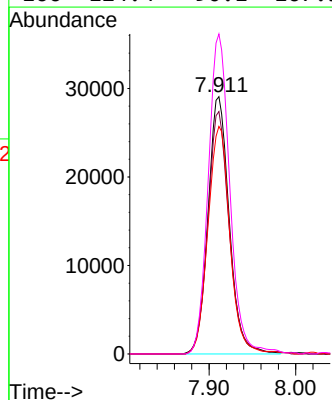
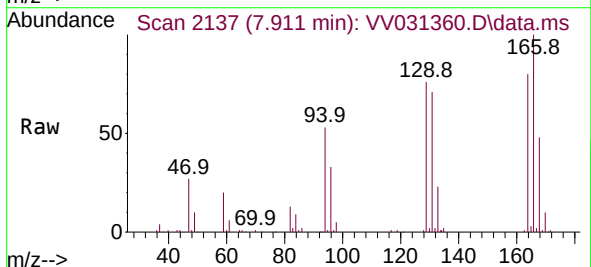
Instrument :
MSVOA_V
ClientSampleId :
VSTD005364

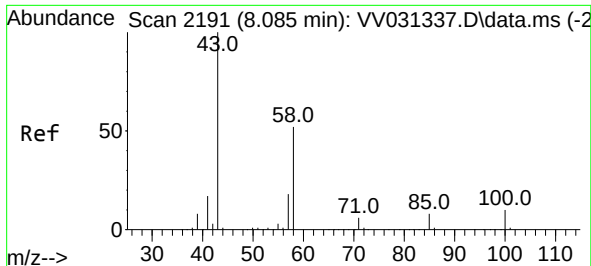
Tgt Ion: 97	Resp: 43134
Ion Ratio	Lower Upper
97 100	
99 59.4	43.1 80.1
83 89.9	63.1 117.1
85 56.3	41.1 76.3



#47
Tetrachloroethene
Concen: 4.706 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

Tgt	Ion:164	Resp:	49638
Ion	Ratio	Lower	Upper
164	100		
129	94.2	66.0	122.6
131	88.4	65.3	121.3
166	124.4	90.1	167.3

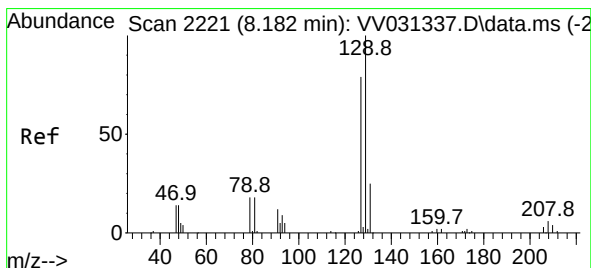
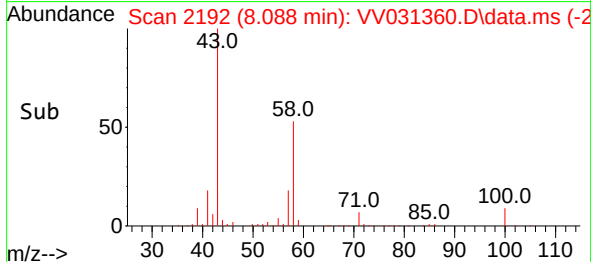
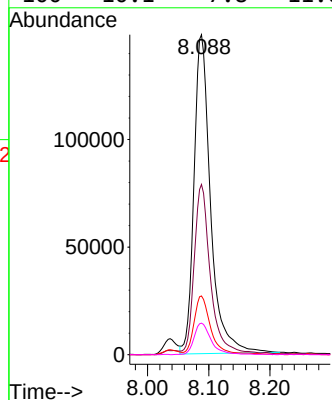
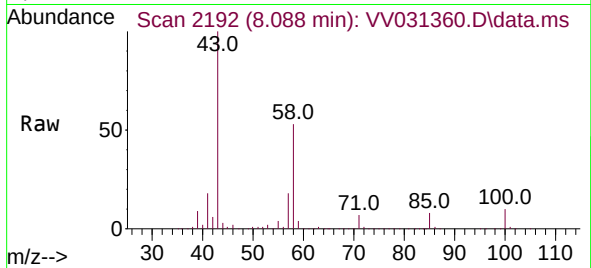




#48
2-Hexanone
Concen: 40.752 ug/L
RT: 8.088 min Scan# 2191
Delta R.T. 0.003 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

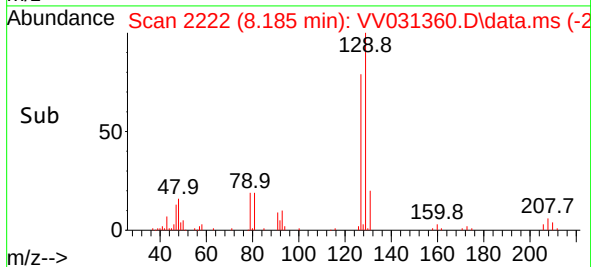
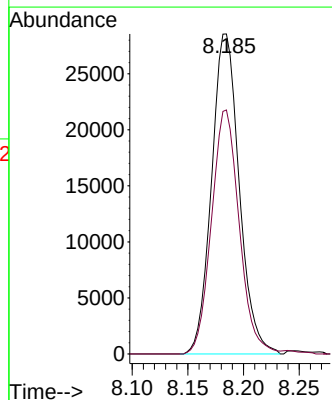
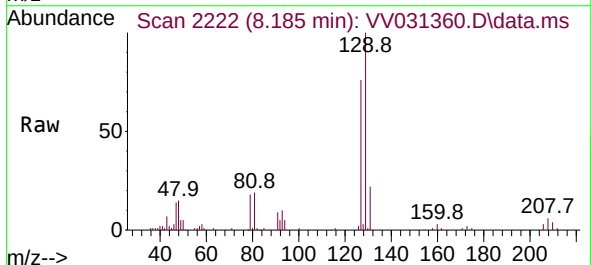
Instrument :
MSVOA_V
ClientSampleId :
VSTD005364

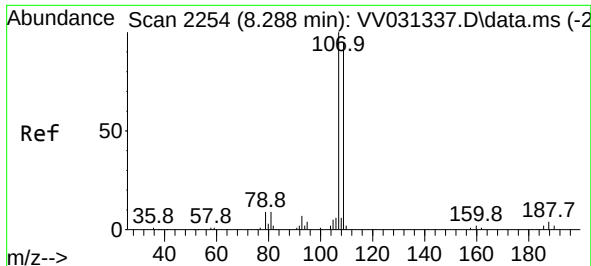
Tgt Ion: 43 Resp: 280063
Ion Ratio Lower Upper
43 100
58 51.1 41.1 61.7
57 18.8 14.4 21.6
100 10.1 7.8 11.6



#49
Dibromochloromethane
Concen: 4.420 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

Tgt Ion: 129 Resp: 49418
Ion Ratio Lower Upper
129 100
127 76.2 55.0 102.2





#50

1,2-Dibromoethane

Concen: 4.316 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005364

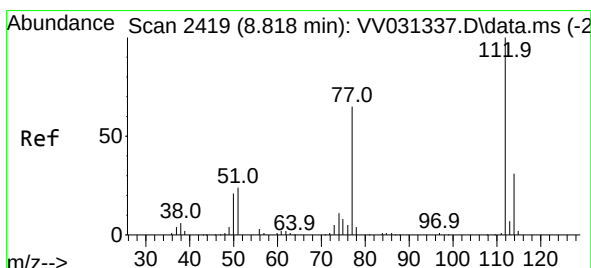
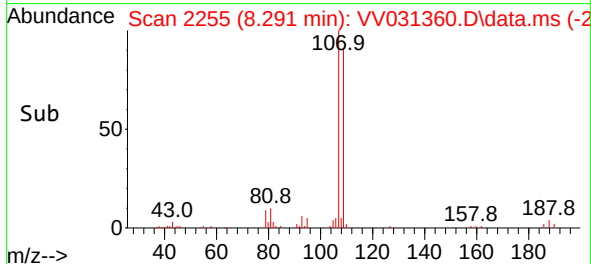
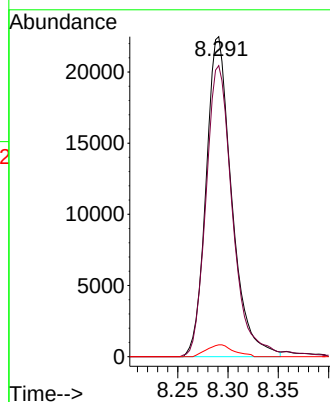
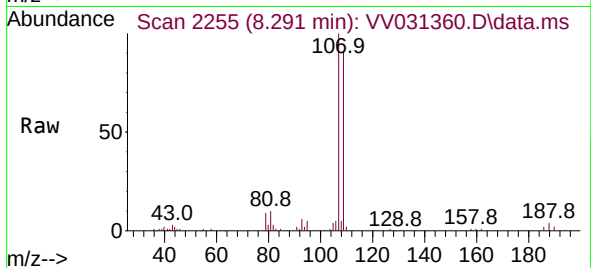
Tgt Ion:107 Resp: 39957

Ion Ratio Lower Upper

107 100

109 91.0 62.2 115.4

188 3.7 3.0 4.4



#51

Chlorobenzene

Concen: 4.611 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

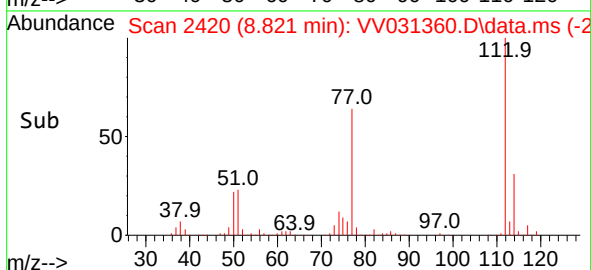
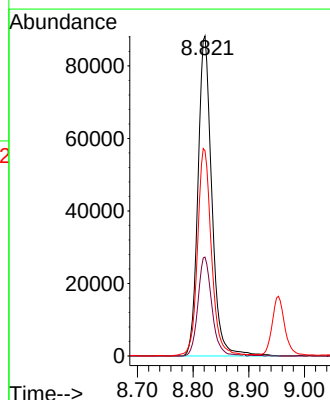
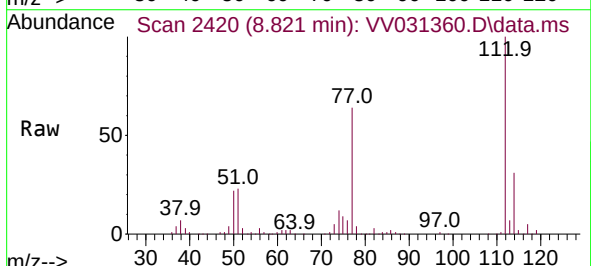
Tgt Ion:112 Resp: 152739

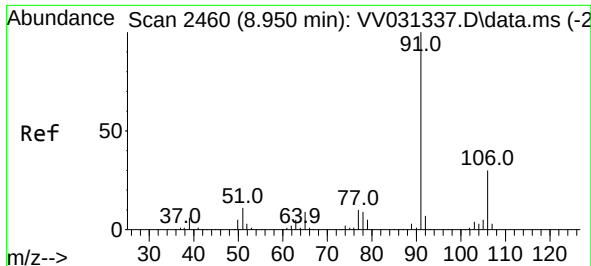
Ion Ratio Lower Upper

112 100

114 30.9 22.7 42.1

77 64.1 52.2 78.2

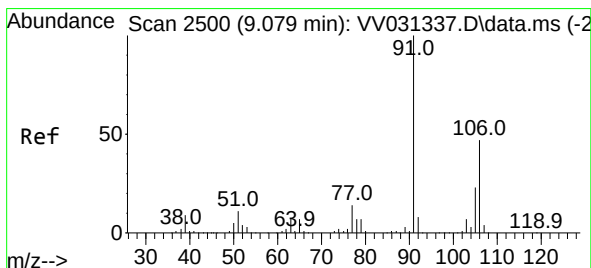
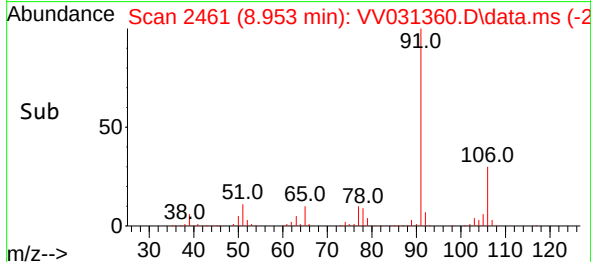
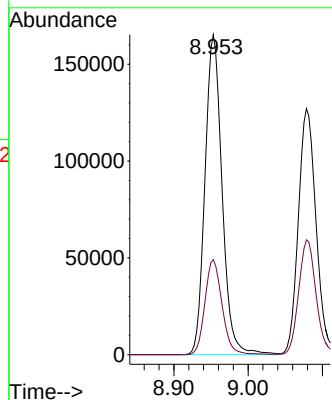
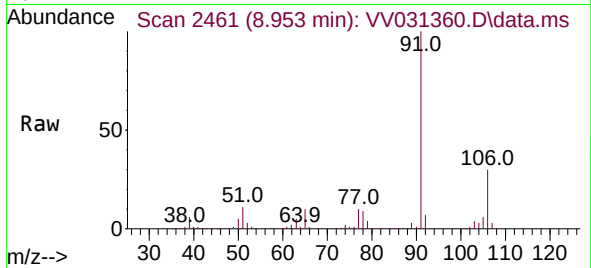




#52
Ethylbenzene
Concen: 4.747 ug/L
RT: 8.953 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

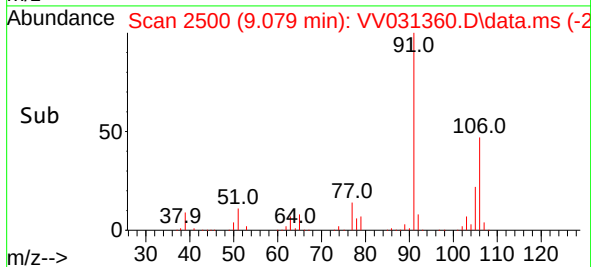
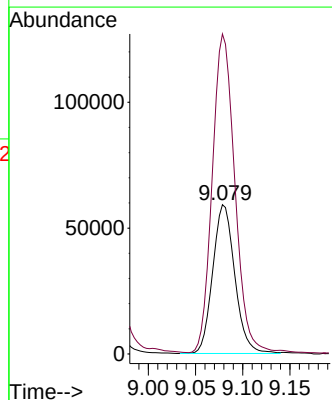
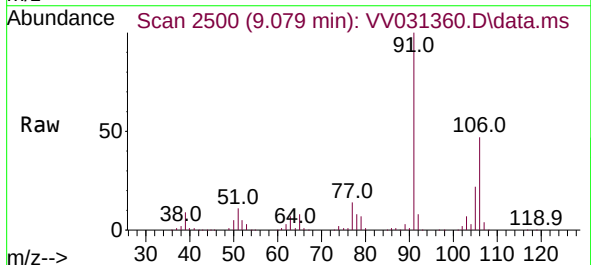
Instrument :
MSVOA_V
ClientSampleId :
VSTD005364

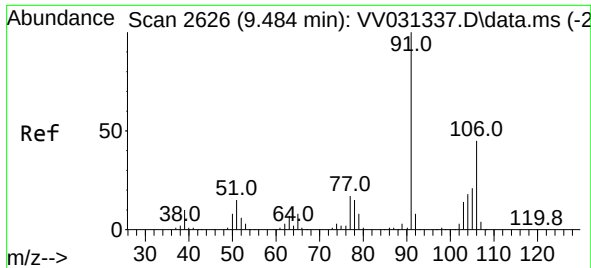
Tgt Ion: 91 Resp: 264058
Ion Ratio Lower Upper
91 100
106 29.7 20.0 37.2



#53
m,p-Xylene
Concen: 4.797 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

Tgt Ion: 106 Resp: 95989
Ion Ratio Lower Upper
106 100
91 214.3 154.3 286.5

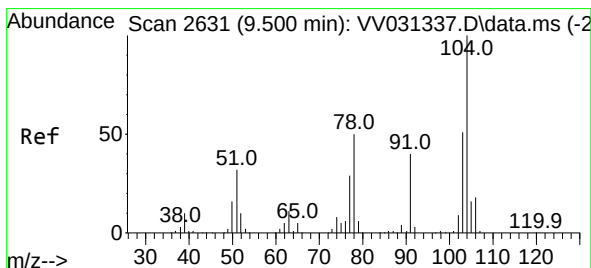
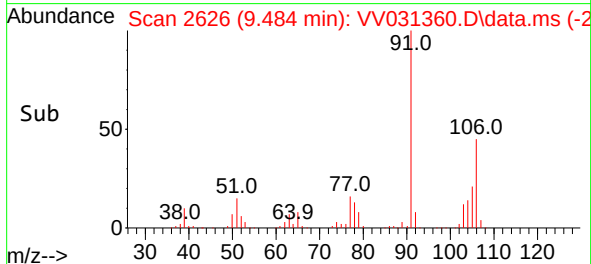
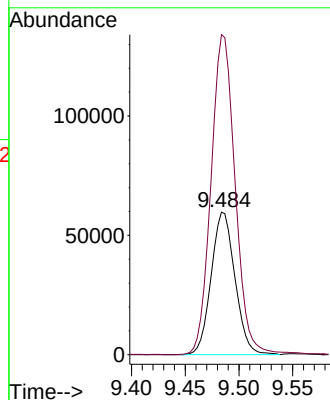
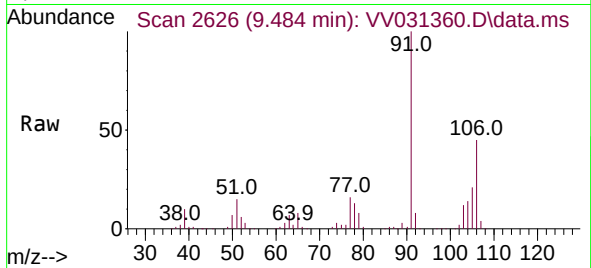




#54
o-Xylene
Concen: 4.912 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

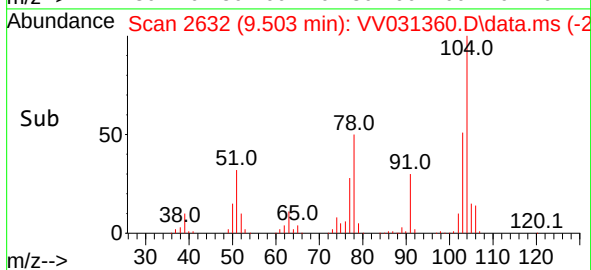
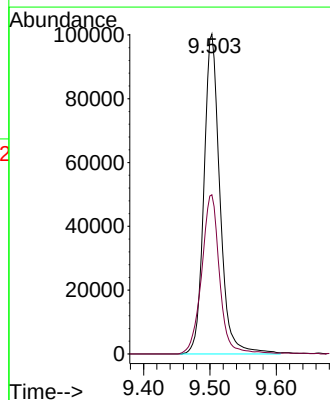
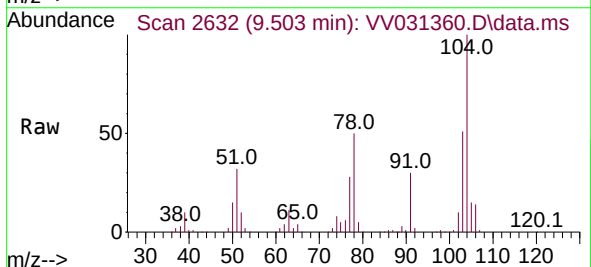
Instrument :
MSVOA_V
ClientSampleId :
VSTD005364

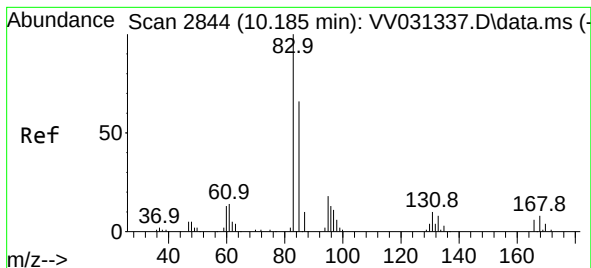
Tgt Ion:106 Resp: 92124
Ion Ratio Lower Upper
106 100
91 224.4 159.0 295.4



#55
Styrene
Concen: 5.045 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

Tgt Ion:104 Resp: 168284
Ion Ratio Lower Upper
104 100
78 49.7 35.9 66.7





#57

1,1,2,2-Tetrachloroethane

Concen: 4.140 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005364

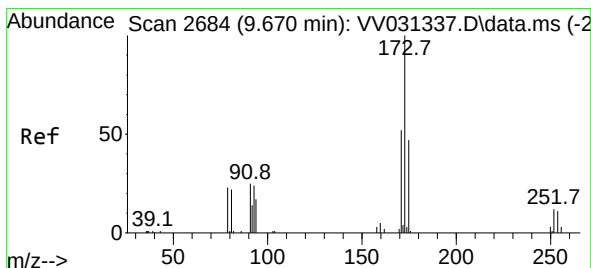
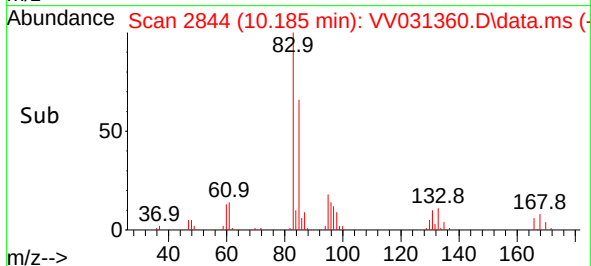
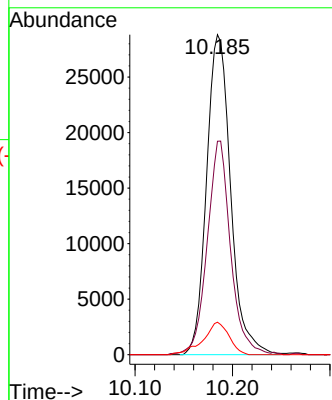
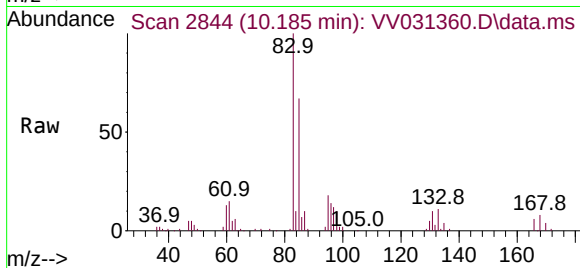
Tgt Ion: 83 Resp: 49397

Ion Ratio Lower Upper

83 100

85 66.7 45.0 83.6

131 10.2 7.3 10.9



#59

Bromoform

Concen: 4.540 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

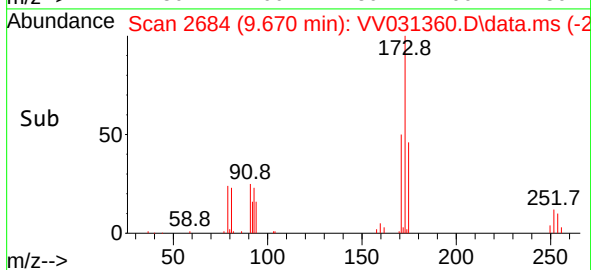
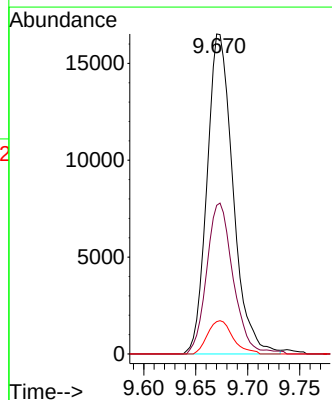
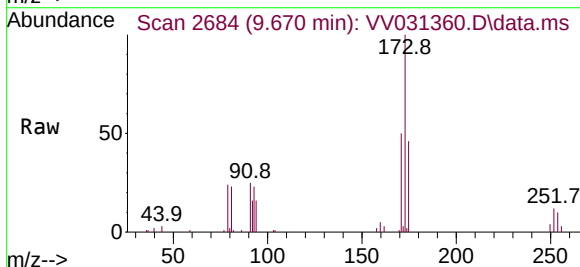
Tgt Ion: 173 Resp: 28697

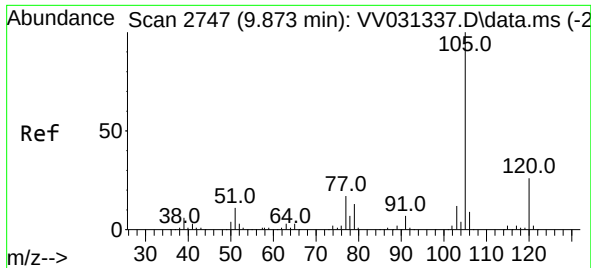
Ion Ratio Lower Upper

173 100

175 48.0 38.9 58.3

254 10.1 7.8 11.8

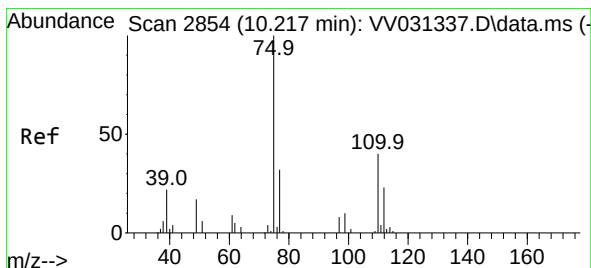
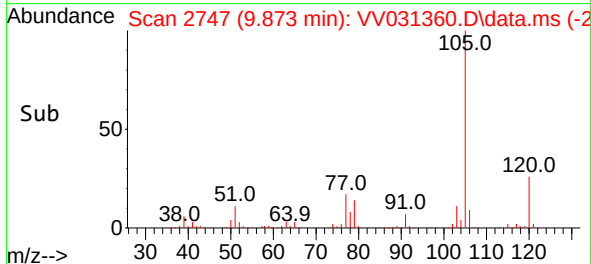
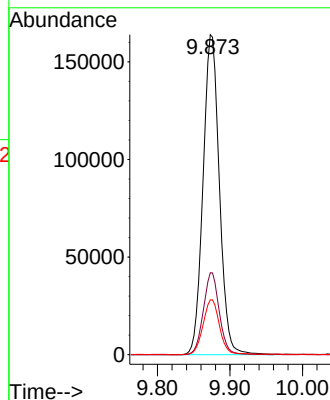
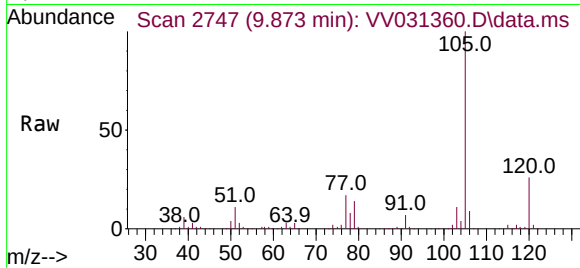




#60
Isopropylbenzene
Concen: 4.562 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

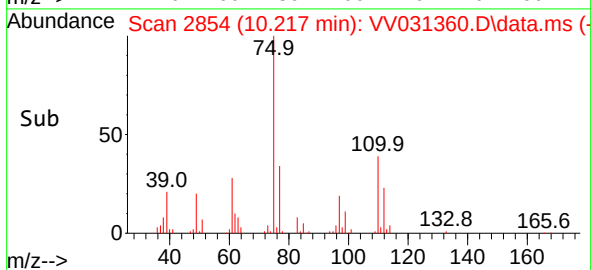
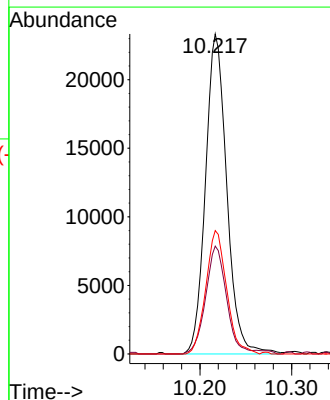
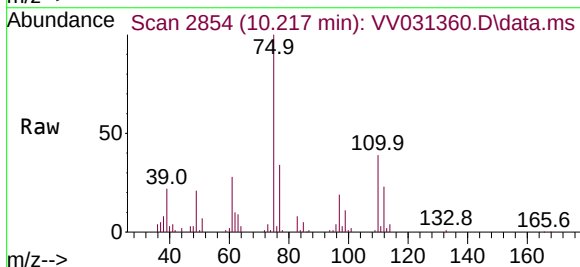
Instrument :
MSVOA_V
ClientSampleId :
VSTD005364

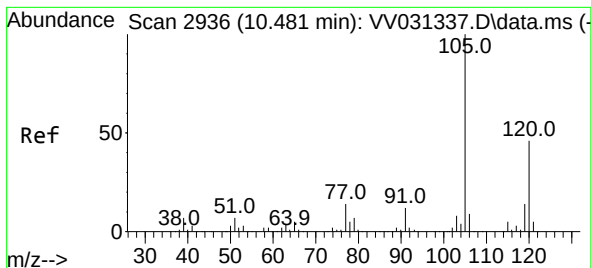
Tgt Ion:105 Resp: 257069
Ion Ratio Lower Upper
105 100
120 25.0 19.9 29.9
77 17.4 14.2 21.2



#61
1,2,3-Trichloropropane
Concen: 3.936 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

Tgt Ion: 75 Resp: 37717
Ion Ratio Lower Upper
75 100
77 33.7 27.3 40.9
110 37.7 29.4 44.0





#62

1,3,5-Trimethylbenzene

Concen: 4.524 ug/L

RT: 10.484 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

Instrument :

MSVOA_V

ClientSampleId :

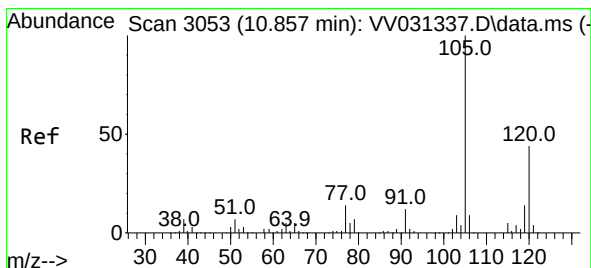
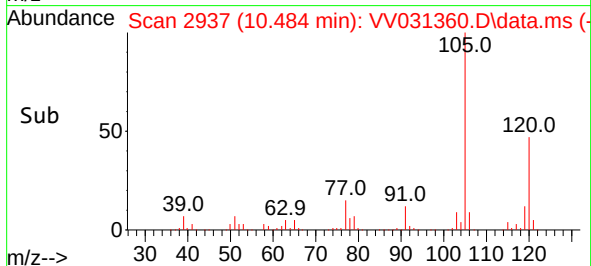
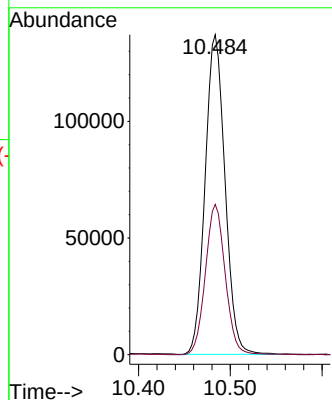
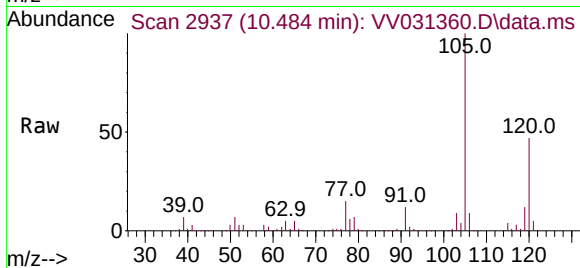
VSTD005364

Tgt Ion:105 Resp: 206554

Ion Ratio Lower Upper

105 100

120 47.0 35.9 53.9



#63

1,2,4-Trimethylbenzene

Concen: 4.572 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VV031360.D

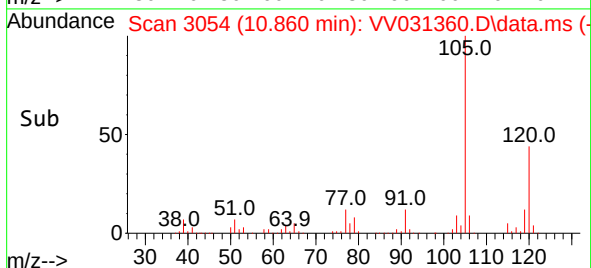
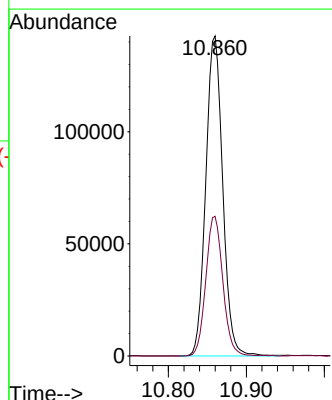
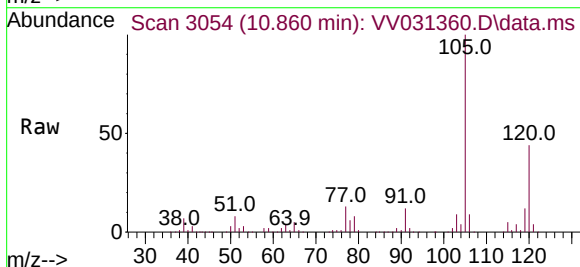
Acq: 05 Jun 2023 20:30

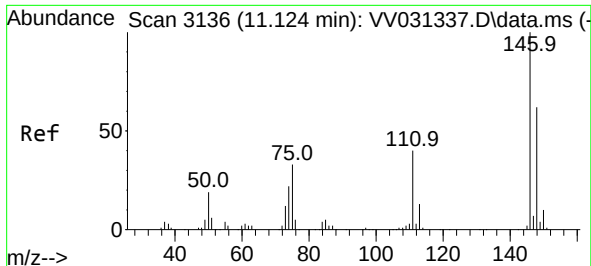
Tgt Ion:105 Resp: 215469

Ion Ratio Lower Upper

105 100

120 43.8 33.2 49.8

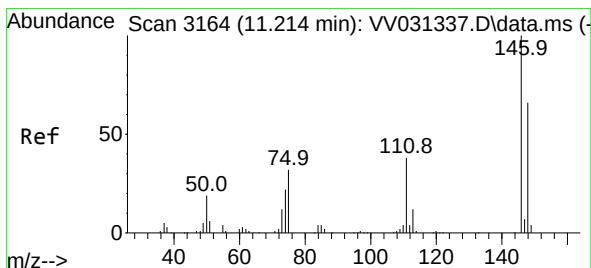
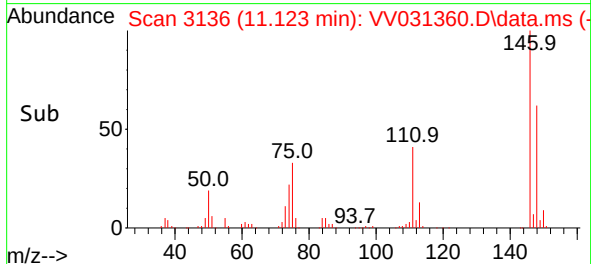
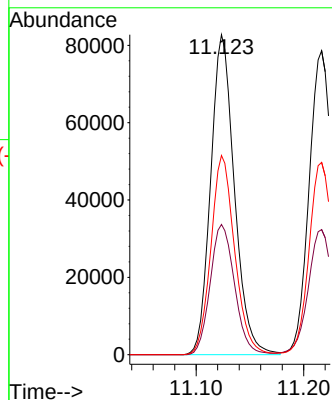
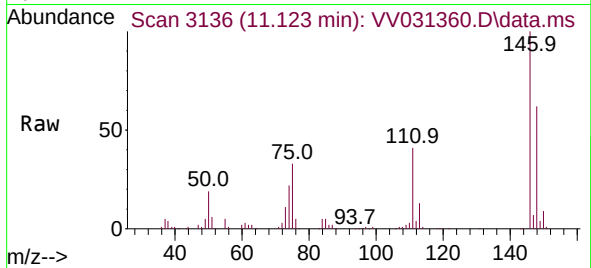




#64
1,3-Dichlorobenzene
Concen: 4.652 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

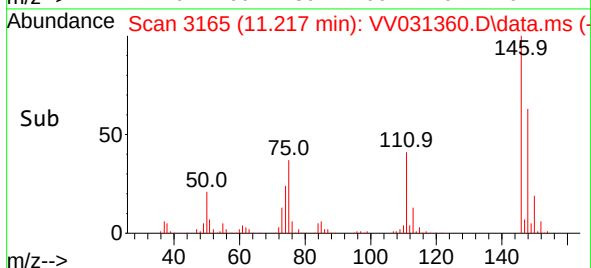
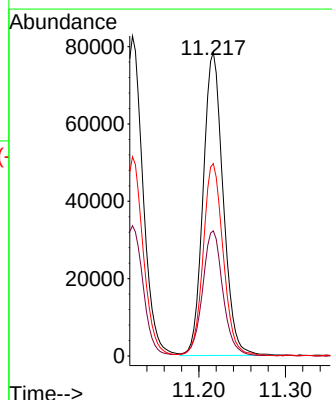
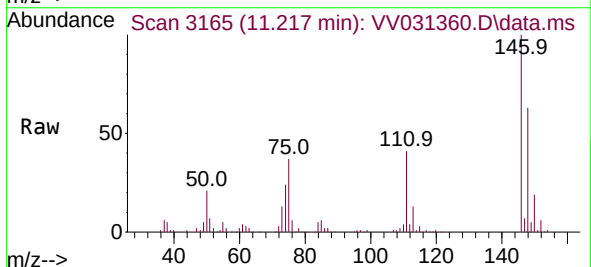
Instrument :
MSVOA_V
ClientSampleId :
VSTD005364

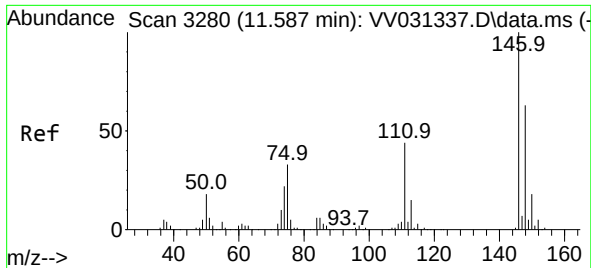
Tgt Ion:146 Resp: 126945
Ion Ratio Lower Upper
146 100
111 40.7 31.1 57.9
148 62.3 43.6 81.0



#65
1,4-Dichlorobenzene
Concen: 4.399 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

Tgt Ion:146 Resp: 125738
Ion Ratio Lower Upper
146 100
111 41.2 28.4 52.8
148 63.3 44.2 82.0

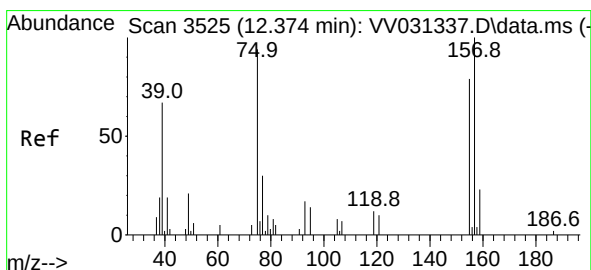
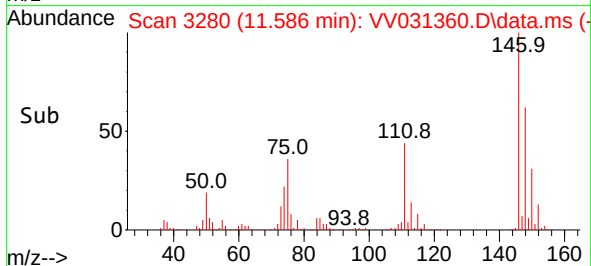
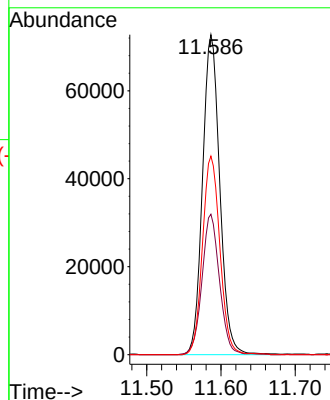
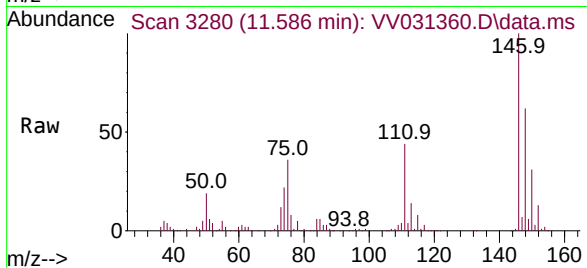




#67
1,2-Dichlorobenzene
Concen: 4.481 ug/L
RT: 11.586 min Scan# 3117
Delta R.T. -0.000 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

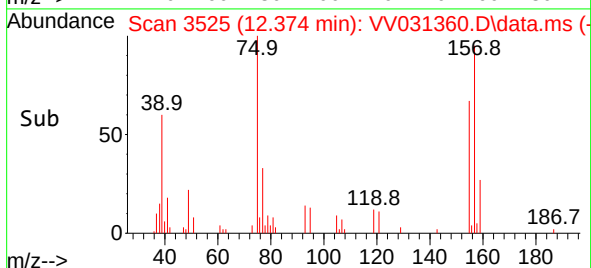
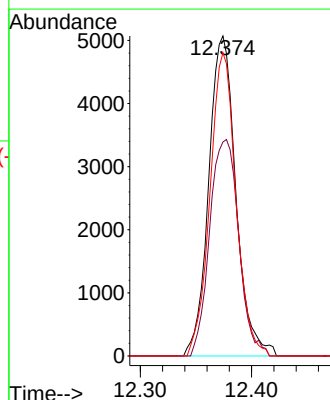
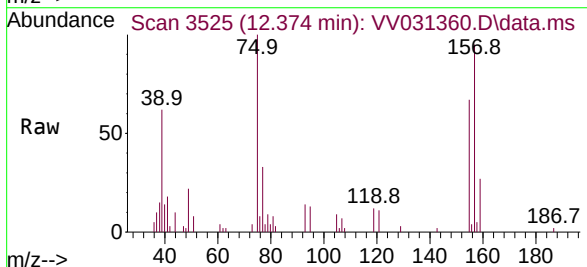
Instrument :
MSVOA_V
ClientSampleId :
VSTD005364

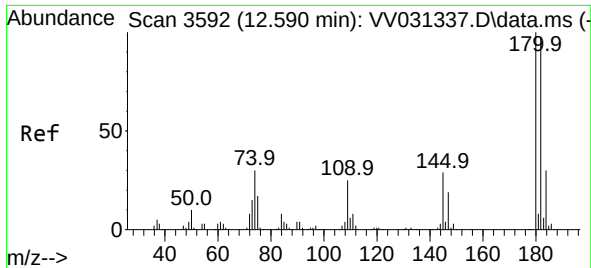
Tgt Ion:146 Resp: 117317
Ion Ratio Lower Upper
146 100
111 43.9 36.6 54.8
148 62.0 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 3.903 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. -0.000 min
Lab File: VV031360.D
Acq: 05 Jun 2023 20:30

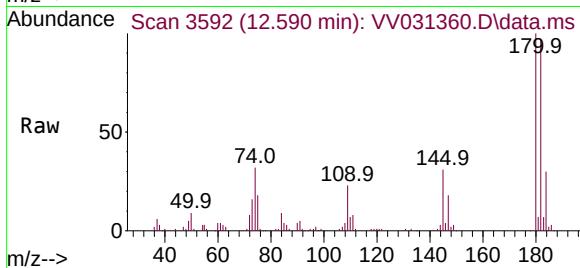
Tgt Ion: 75 Resp: 8581
Ion Ratio Lower Upper
75 100
155 66.8 54.6 82.0
157 94.8 72.7 109.1



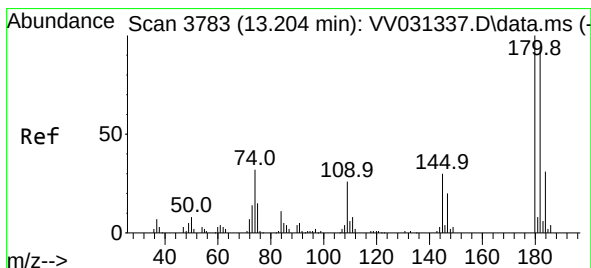
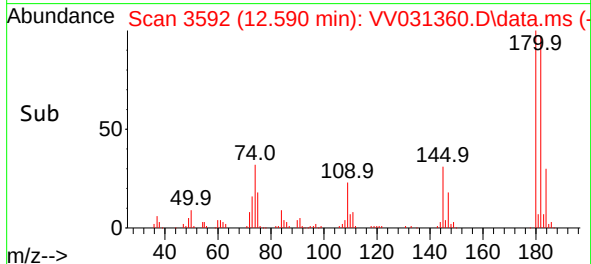
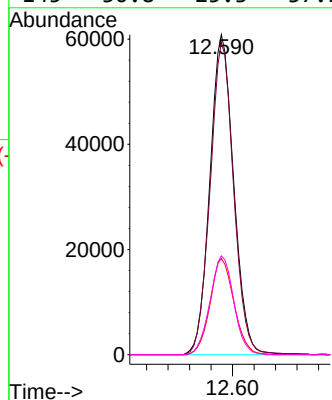


#69
 1,3,5-Trichlorobenzene
 Concen: 4.598 ug/L
 RT: 12.590 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV031360.D
 Acq: 05 Jun 2023 20:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005364

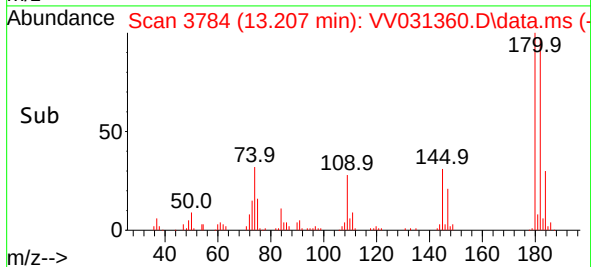
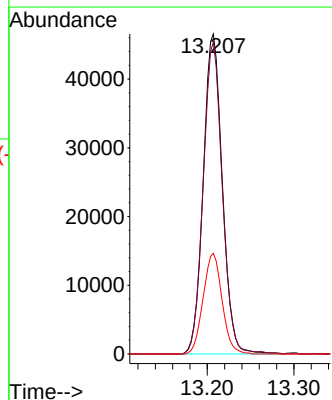
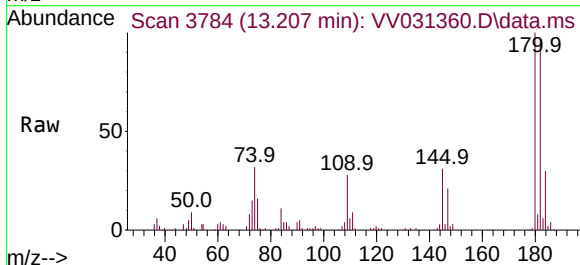


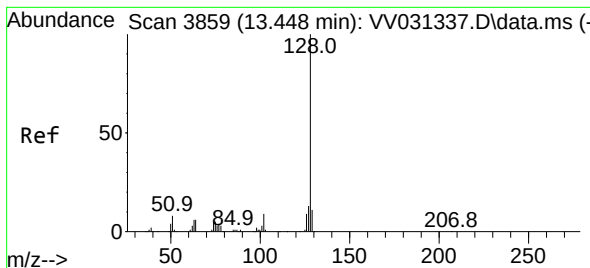
Tgt Ion:180 Resp: 93233
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.1 114.1
 184 30.1 23.8 35.6
 145 30.8 25.3 37.9



#70
 1,2,4-trichlorobenzene
 Concen: 4.379 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.003 min
 Lab File: VV031360.D
 Acq: 05 Jun 2023 20:30

Tgt Ion:180 Resp: 71215
 Ion Ratio Lower Upper
 180 100
 182 97.5 76.7 115.1
 145 31.1 26.3 39.5





#71

Naphthalene

Concen: 4.107 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005364

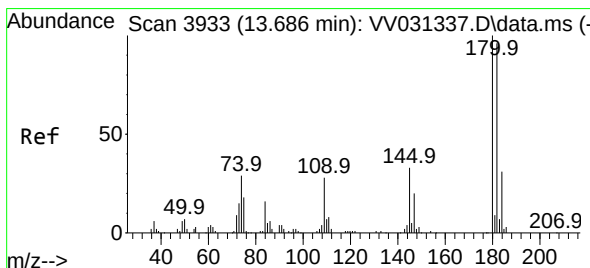
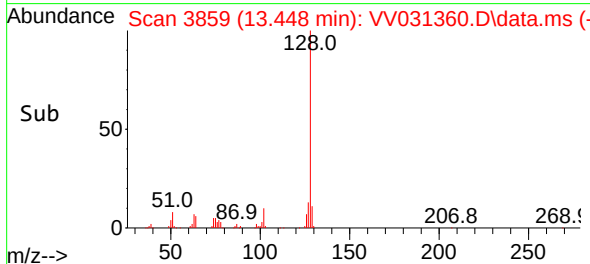
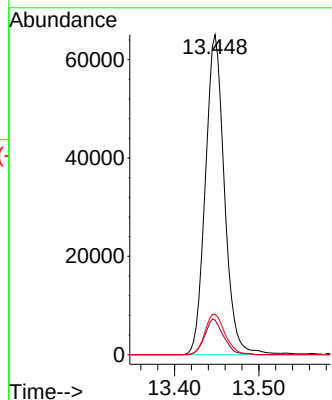
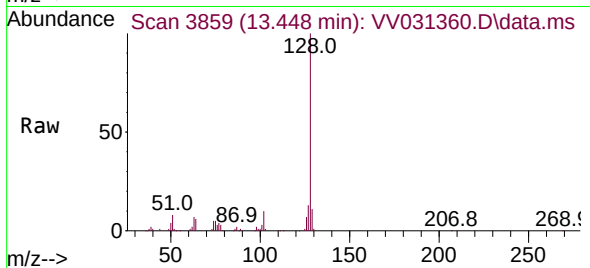
Tgt Ion:128 Resp: 102474

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

127 13.3 11.4 17.2



#72

1,2,3-Trichlorobenzene

Concen: 4.538 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031360.D

Acq: 05 Jun 2023 20:30

Tgt Ion:180 Resp: 66194

Ion Ratio Lower Upper

180 100

182 95.2 75.4 113.0

145 32.6 27.8 41.6

