

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081123\
 Data File : VV031796.D
 Acq On : 11 Aug 2023 14:41
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005375

Quant Time: Aug 12 05:20:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 12 05:18:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	220578	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	231101	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	134154	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	66408	3.399	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.000%
7) Chloroethane-d5	1.536	69	69346	3.916	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.400%
11) 1,1-Dichloroethene-d2	2.063	65	38708	3.861	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.200%
20) 2-Butanone-d5	3.812	46	212053	42.491	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.980%
24) Chloroform-d	4.256	84	180391	4.335	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	4.950	65	90753	4.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
32) Benzene-d6	4.966	84	307230	4.657	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
36) 1,2-Dichloropropane-d6	5.995	67	105466	4.313	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.200%
41) Toluene-d8	7.249	98	305999	5.050	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
43) trans-1,3-Dichloroprop...	7.561	79	34251	4.435	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.600%
46) 2-Hexanone-d5	8.034	63	155304	43.299	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.600%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	77027	4.293	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.800%
66) 1,2-Dichlorobenzene-d4	11.567	152	104305	4.464	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	102005	4.258	ug/L	99
3) Chloromethane	1.221	50	100137	4.034	ug/L	98
5) Vinyl chloride	1.285	62	100693	4.246	ug/L	81
6) Bromomethane	1.491	94	59715	4.119	ug/L	81
8) Chloroethane	1.552	64	62348	4.531	ug/L	96
9) Trichlorofluoromethane	1.716	101	165777	4.845	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	93372	4.961	ug/L	98
12) 1,1-Dichloroethene	2.073	96	77564	4.507	ug/L	87
13) Acetone	2.140	43	152844	48.139	ug/L	98
14) Carbon disulfide	2.243	76	205745	3.851	ug/L	100
15) Methyl Acetate	2.391	43	32932	4.848	ug/L	97
16) Methylene chloride	2.452	84	90873	3.974	ug/L	87
17) Methyl tert-butyl Ether	2.712	73	140588	4.445	ug/L	97
18) trans-1,2-Dichloroethene	2.696	96	66423	4.464	ug/L	91
19) 1,1-Dichloroethane	3.118	63	148699	4.570	ug/L	97
21) 2-Butanone	3.899	43	176612	42.735	ug/L	81
22) cis-1,2-Dichloroethene	3.822	96	69929	4.753	ug/L	89
23) Bromochloromethane	4.156	128	37972	5.126	ug/L	90
25) Chloroform	4.281	83	158786	4.962	ug/L	99

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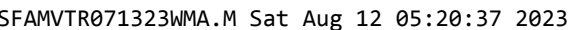
Instrument :
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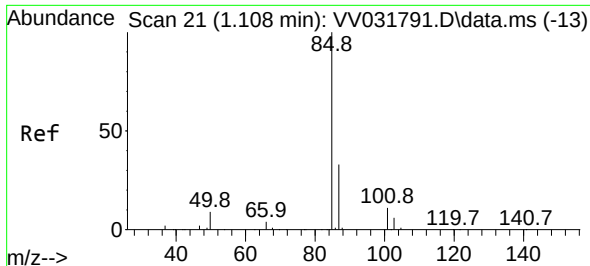
Quant Time: Aug 12 05:20:28 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	92603	4.601	ug/L	98
29) 1,1,1-Trichloroethane	4.519	97	136098	4.876	ug/L	97
30) Cyclohexane	4.590	56	89317	4.401	ug/L	98
31) Carbon tetrachloride	4.741	117	121551	4.936	ug/L	100
33) Benzene	5.015	78	290142	4.943	ug/L	100
34) Trichloroethene	5.838	95	79709	4.786	ug/L	92
35) Methylcyclohexane	6.056	83	91374	4.420	ug/L	96
37) 1,2-Dichloropropane	6.101	63	79050	4.691	ug/L #	91
38) Bromodichloromethane	6.439	83	107890	4.822	ug/L	95
39) cis-1,3-Dichloropropene	6.963	75	92137	4.392	ug/L	99
40) 4-Methyl-2-pentanone	7.166	43	442949	49.179	ug/L	99
42) Toluene	7.320	91	308643	5.444	ug/L	97
44) trans-1,3-Dichloropropene	7.587	75	88197	4.820	ug/L	94
45) 1,1,2-Trichloroethane	7.773	97	59181	4.727	ug/L	95
47) Tetrachloroethene	7.912	164	59487	5.173	ug/L	96
48) 2-Hexanone	8.082	43	362287	54.893	ug/L	98
49) Dibromochloromethane	8.182	129	72568	5.396	ug/L	99
50) 1,2-Dibromoethane	8.288	107	57843	4.941	ug/L	93
51) Chlorobenzene	8.818	112	183393	4.905	ug/L	91
52) Ethylbenzene	8.953	91	273900	4.873	ug/L	99
53) m,p-Xylene	9.079	106	108288	5.212	ug/L	95
54) o-Xylene	9.484	106	96367	5.001	ug/L	93
55) Styrene	9.503	104	184438	5.072	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.185	83	60238	4.546	ug/L	91
59) Bromoform	9.670	173	38251	4.271	ug/L	98
60) Isopropylbenzene	9.873	105	271206	4.564	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	53933	4.523	ug/L	97
62) 1,3,5-Trimethylbenzene	10.481	105	206967	4.317	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	204383	4.271	ug/L	97
64) 1,3-Dichlorobenzene	11.124	146	154983	4.839	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	159756	4.713	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	148760	4.847	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.371	75	10735	4.381	ug/L	96
69) 1,3,5-Trichlorobenzene	12.587	180	108131	4.616	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	83521	4.500	ug/L	99
71) Naphthalene	13.445	128	117062	3.910	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	77882	4.544	ug/L	95

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

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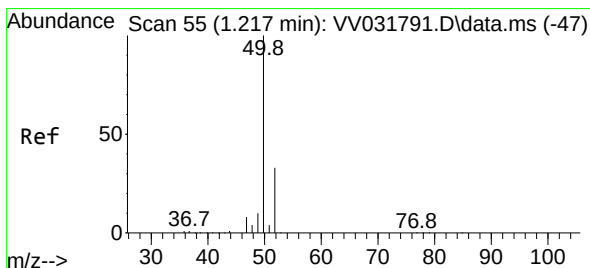
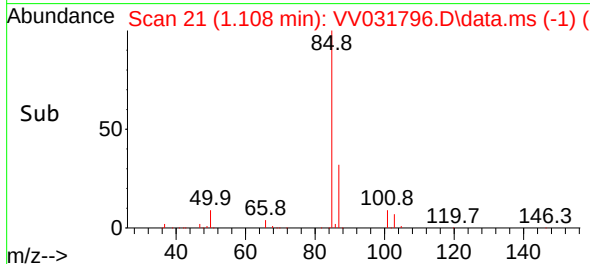
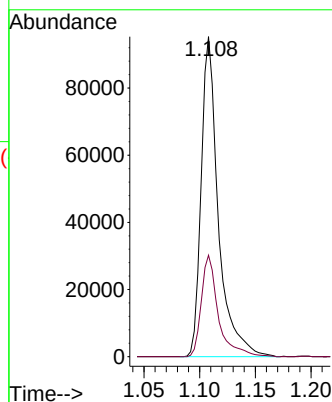
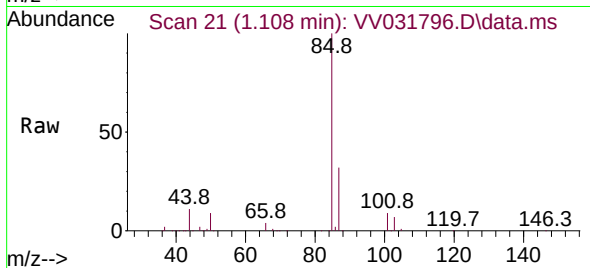




#2
 Dichlorodifluoromethane
 Concen: 4.258 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031796.D
 Acq: 11 Aug 2023 14:41

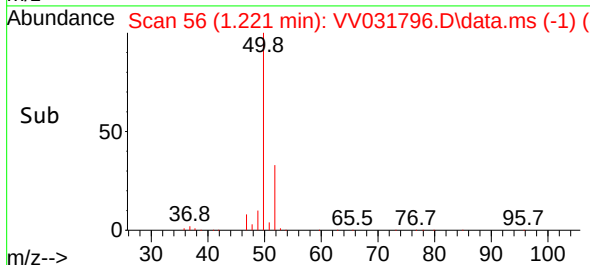
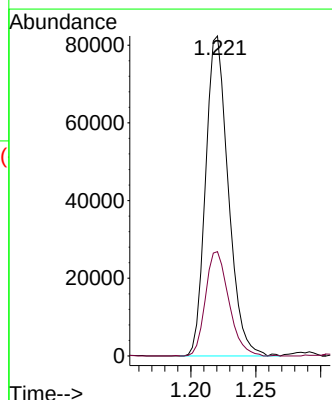
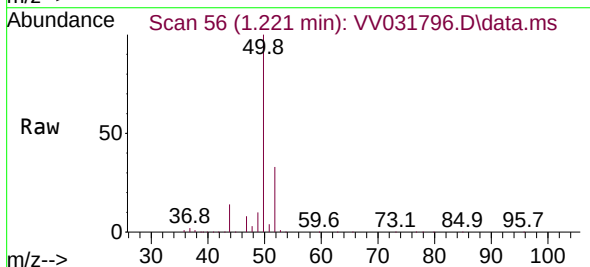
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005375

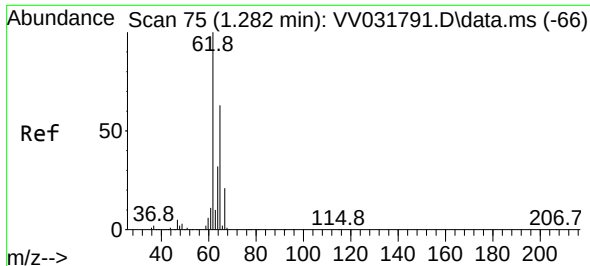
Tgt Ion: 85 Resp: 102005
 Ion Ratio Lower Upper
 85 100
 87 31.4 25.5 38.3



#3
 Chloromethane
 Concen: 4.034 ug/L
 RT: 1.221 min Scan# 56
 Delta R.T. 0.003 min
 Lab File: VV031796.D
 Acq: 11 Aug 2023 14:41

Tgt Ion: 50 Resp: 100137
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.5 43.7

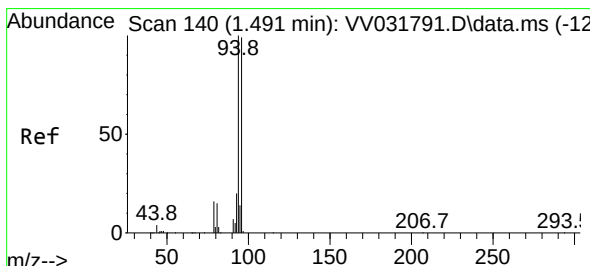
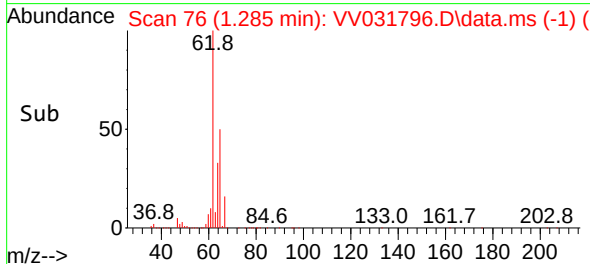
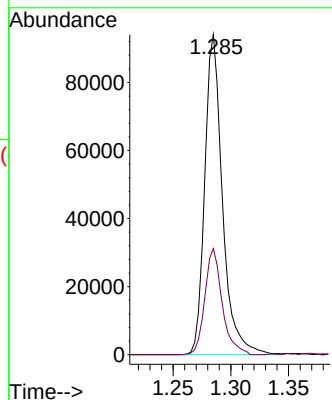
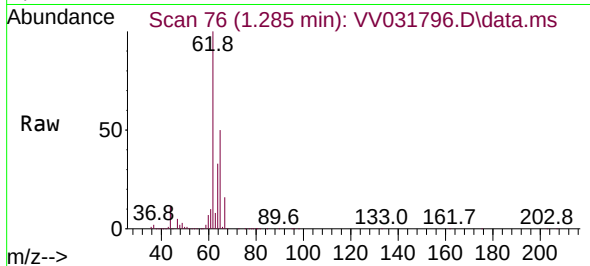




#5
 Vinyl chloride
 Concen: 4.246 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.003 min
 Lab File: VV031796.D
 Acq: 11 Aug 2023 14:41

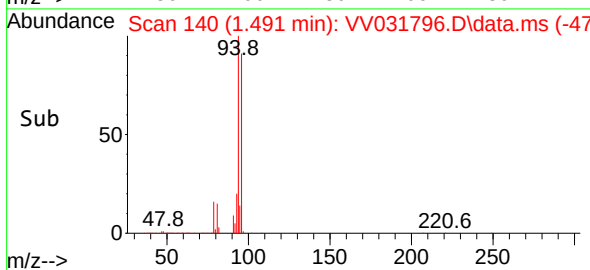
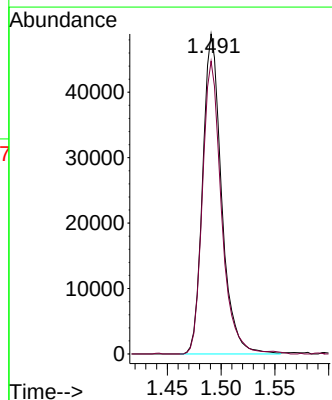
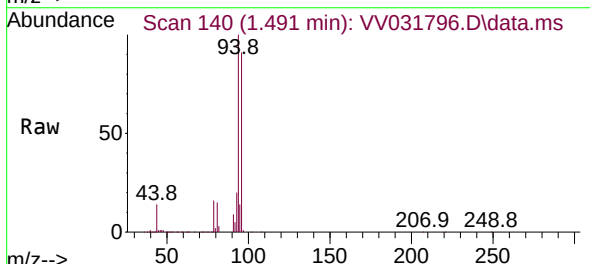
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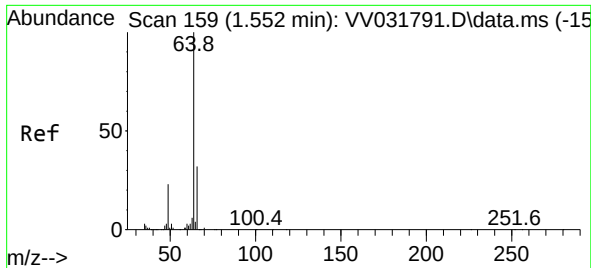
Tgt Ion: 62 Resp: 100693
 Ion Ratio Lower Upper
 62 100
 64 83.1 71.7 133.1



#6
 Bromomethane
 Concen: 4.119 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV031796.D
 Acq: 11 Aug 2023 14:41

Tgt Ion: 94 Resp: 59715
 Ion Ratio Lower Upper
 94 100
 96 80.6 69.4 128.8

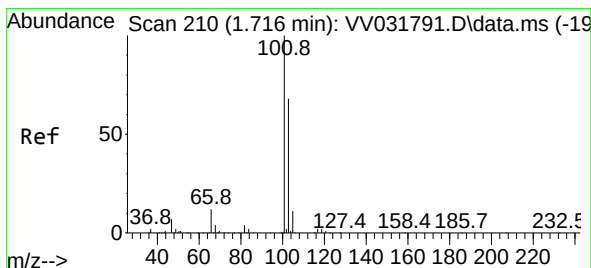
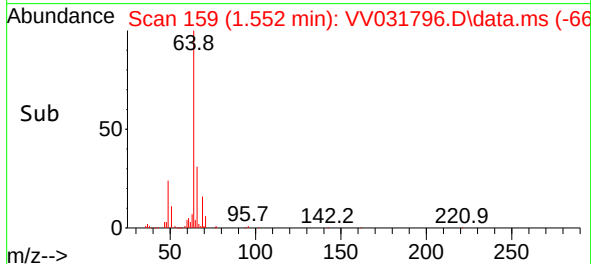
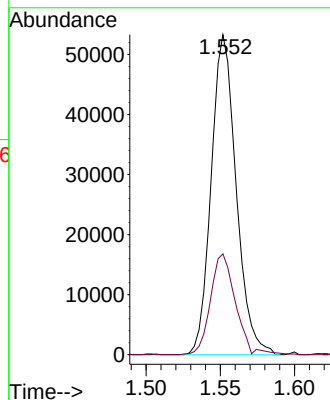
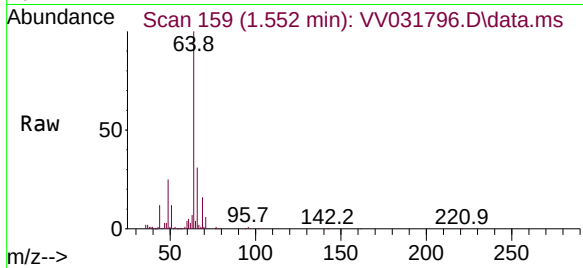




#8
Chloroethane
Concen: 4.531 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

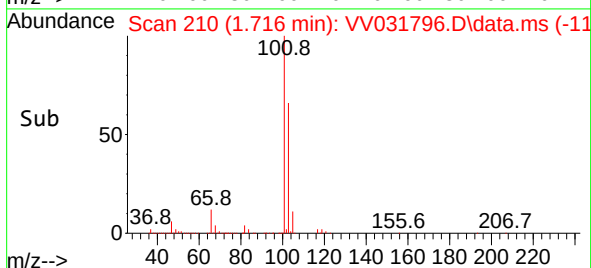
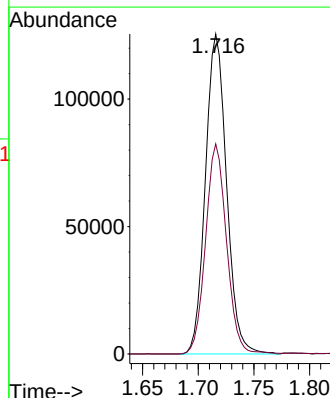
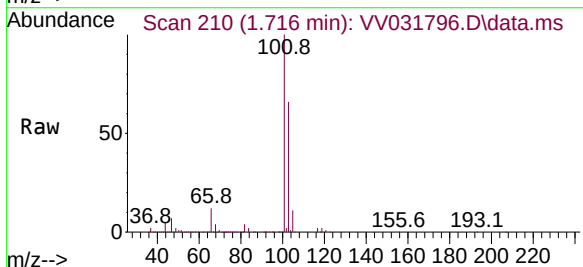
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ClientSampleId :
VSTD005375

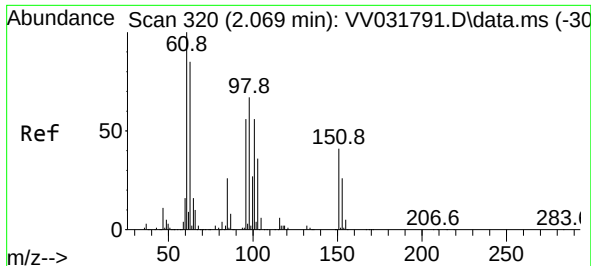
Tgt Ion: 64 Resp: 62348
Ion Ratio Lower Upper
64 100
66 30.3 23.0 42.6



#9
Trichlorofluoromethane
Concen: 4.845 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

Tgt Ion: 101 Resp: 165777
Ion Ratio Lower Upper
101 100
103 65.1 51.0 76.6





#10

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

Concen: 4.961 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

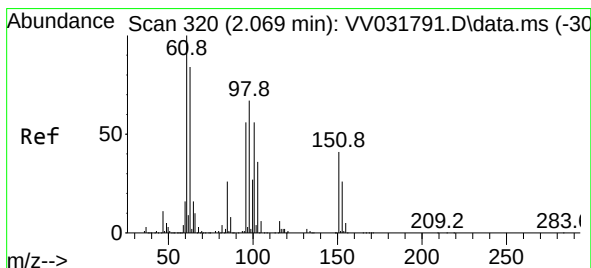
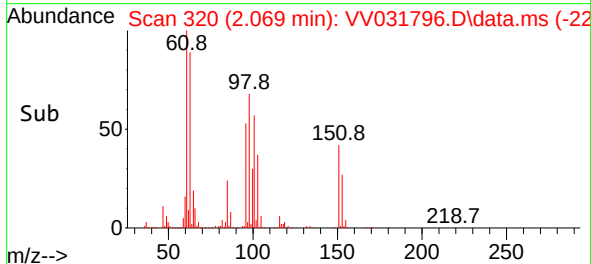
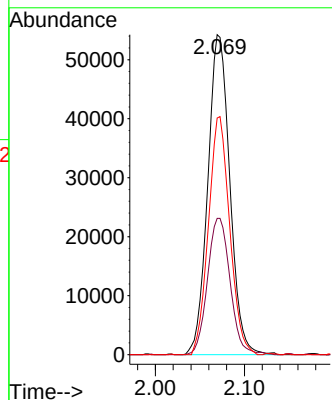
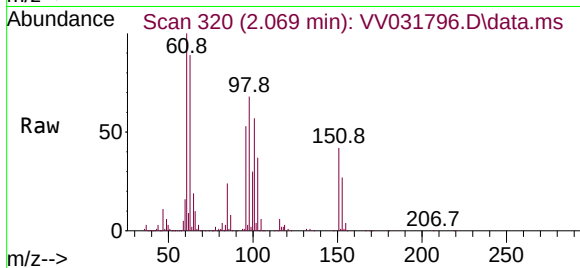
Tgt Ion:101 Resp: 93372

Ion Ratio Lower Upper

101 100

85 43.6 36.2 54.2

151 71.7 56.6 84.8



#12

1,1-Dichloroethene

Concen: 4.507 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

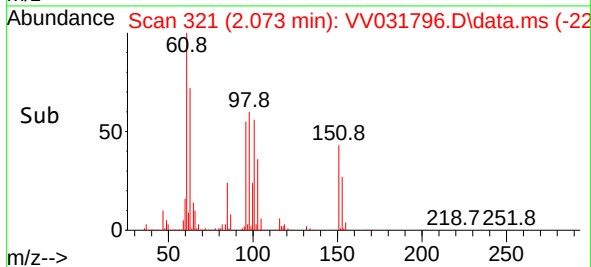
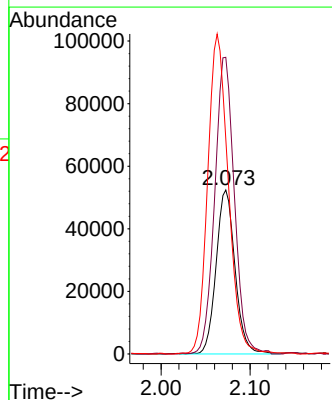
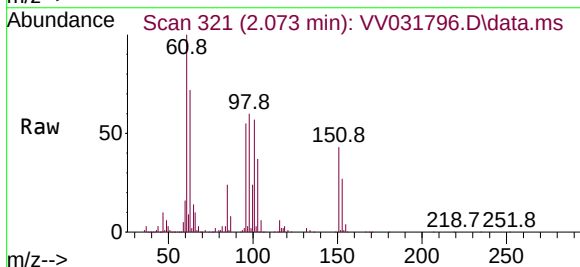
Tgt Ion: 96 Resp: 77564

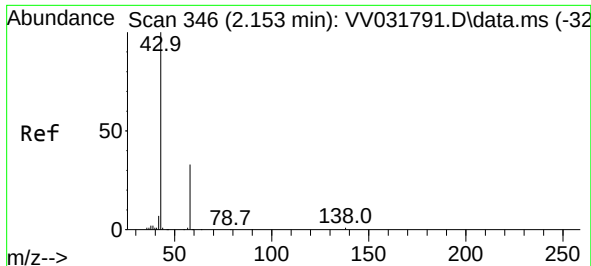
Ion Ratio Lower Upper

96 100

61 180.9 131.3 243.9

63 131.1 112.6 209.2





#13

Acetone

Concen: 48.139 ug/L

RT: 2.140 min Scan# 34

Delta R.T. -0.013 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Instrument :

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ClientSampleId :

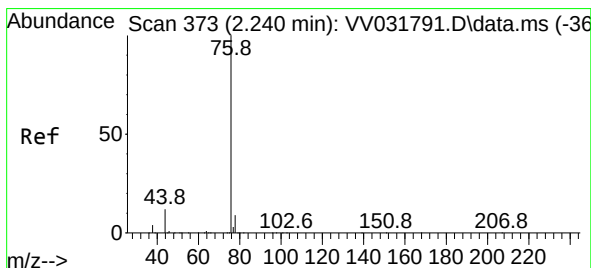
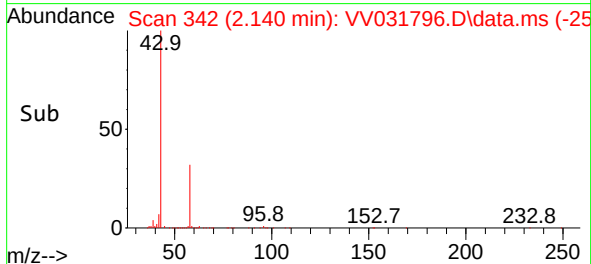
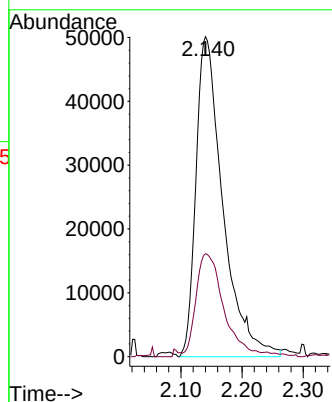
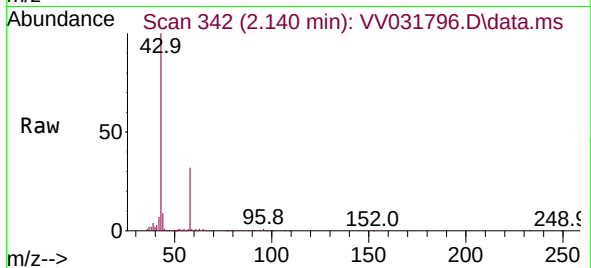
VSTD005375

Tgt Ion: 43 Resp: 152844

Ion Ratio Lower Upper

43 100

58 31.4 0.0 64.6



#14

Carbon disulfide

Concen: 3.851 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.003 min

Lab File: VV031796.D

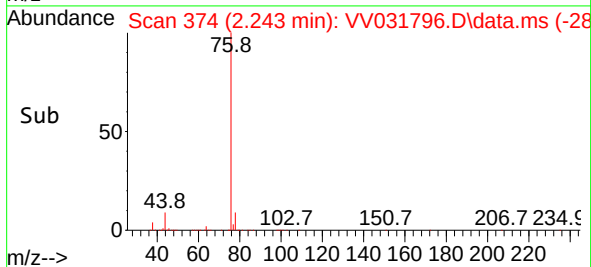
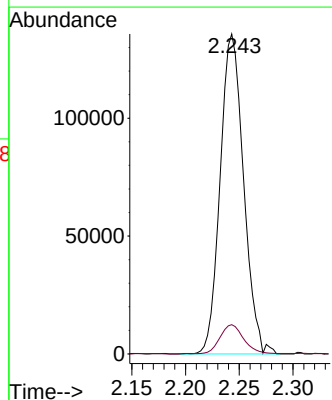
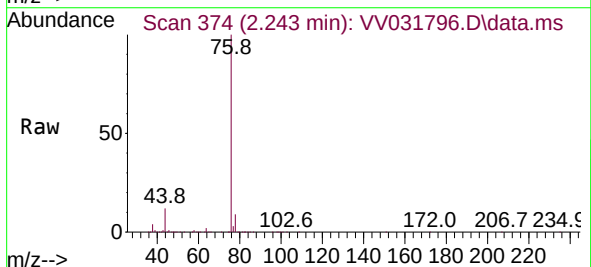
Acq: 11 Aug 2023 14:41

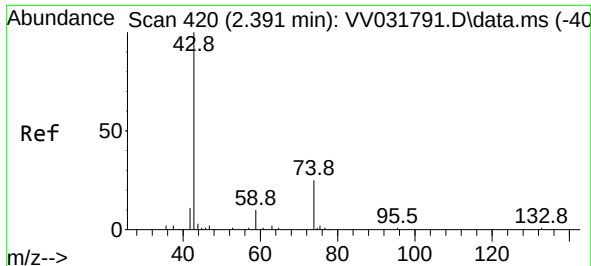
Tgt Ion: 76 Resp: 205745

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

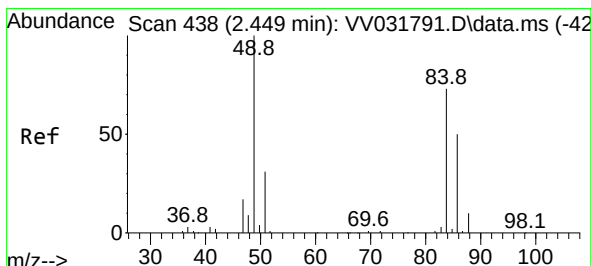
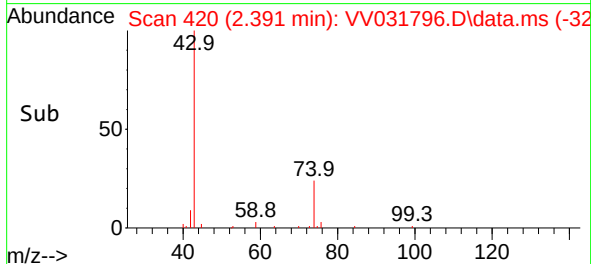
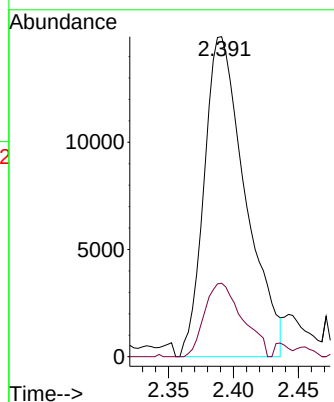
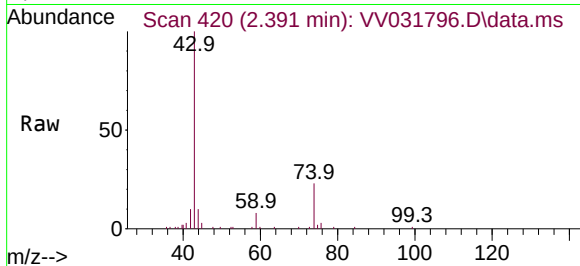




#15
Methyl Acetate
Concen: 4.848 ug/L
RT: 2.391 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

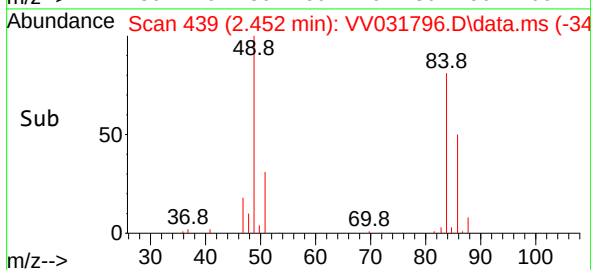
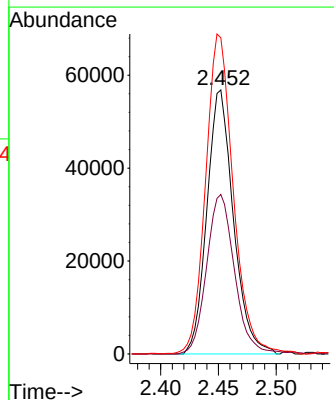
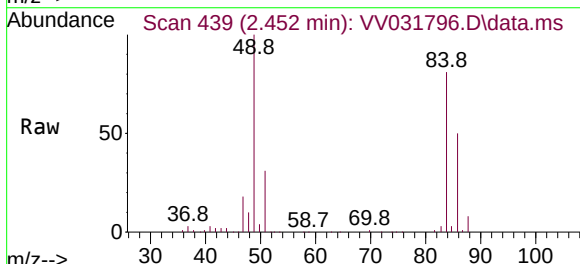
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

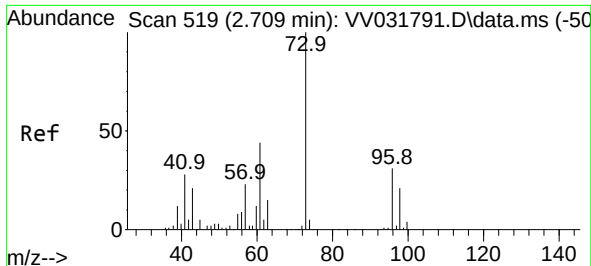
Tgt Ion: 43 Resp: 32932
Ion Ratio Lower Upper
43 100
74 21.1 18.0 27.0



#16
Methylene chloride
Concen: 3.974 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.003 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

Tgt Ion: 84 Resp: 90873
Ion Ratio Lower Upper
84 100
86 61.5 46.3 86.1
49 125.0 101.8 189.0

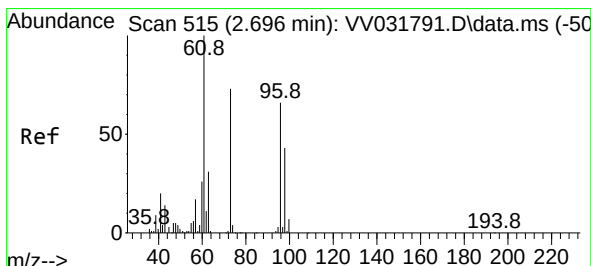
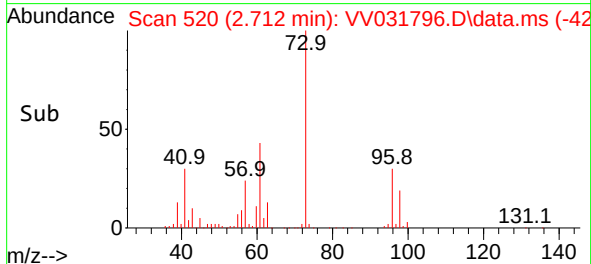
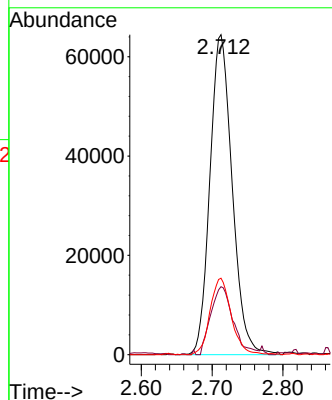
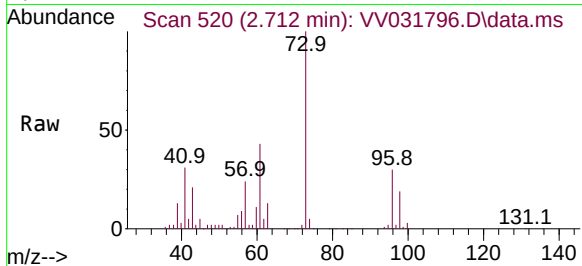




#17
Methyl tert-butyl Ether
Concen: 4.445 ug/L
RT: 2.712 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

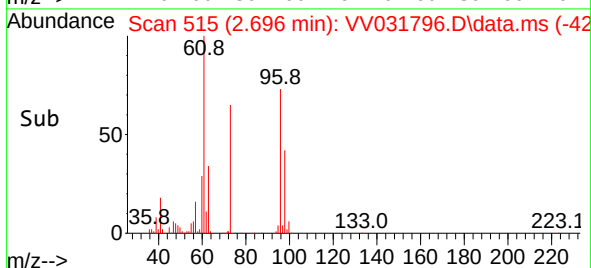
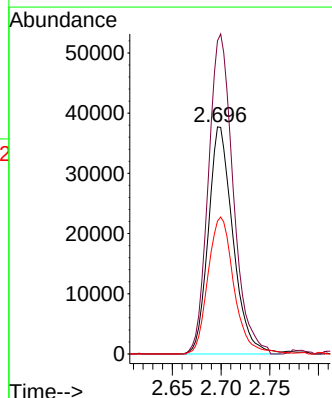
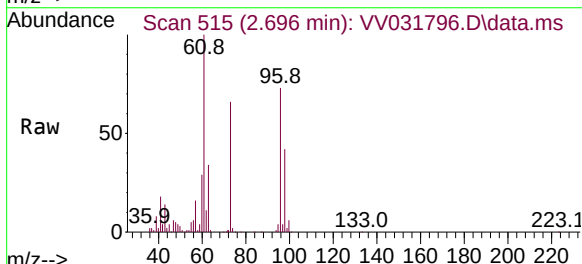
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

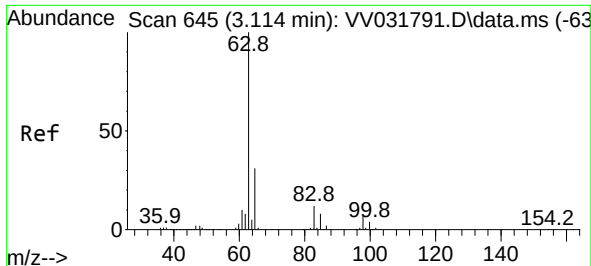
Tgt Ion: 73 Resp: 140588
Ion Ratio Lower Upper
73 100
43 21.3 18.1 27.1
57 22.7 19.6 29.4



#18
trans-1,2-Dichloroethene
Concen: 4.464 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

Tgt Ion: 96 Resp: 66423
Ion Ratio Lower Upper
96 100
61 137.9 105.5 195.9
98 58.5 45.4 84.2





#19

1,1-Dichloroethane

Concen: 4.570 ug/L

RT: 3.118 min Scan# 645

Delta R.T. 0.003 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

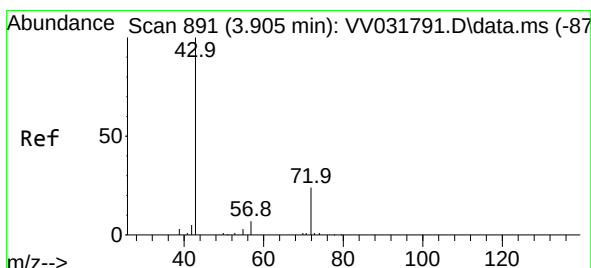
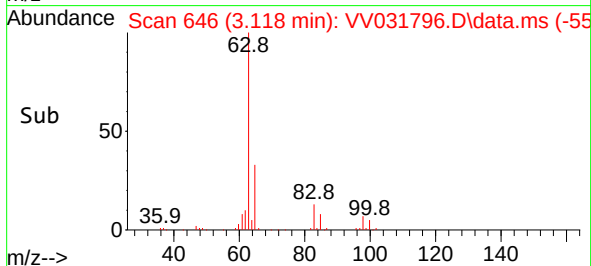
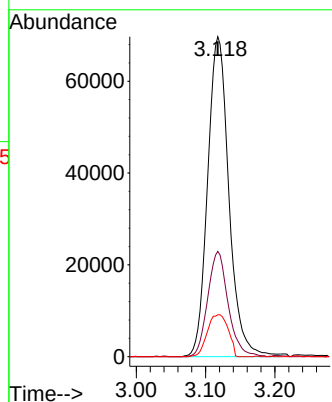
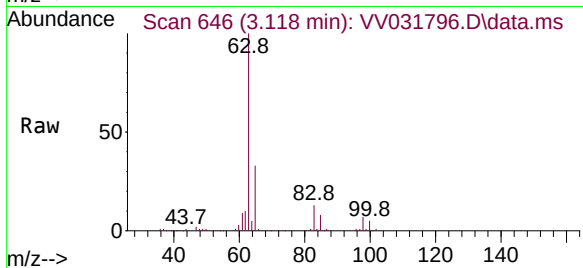
Tgt Ion: 63 Resp: 148699

Ion Ratio Lower Upper

63 100

65 31.3 23.4 43.6

83 12.5 9.4 17.4



#21

2-Butanone

Concen: 42.735 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.006 min

Lab File: VV031796.D

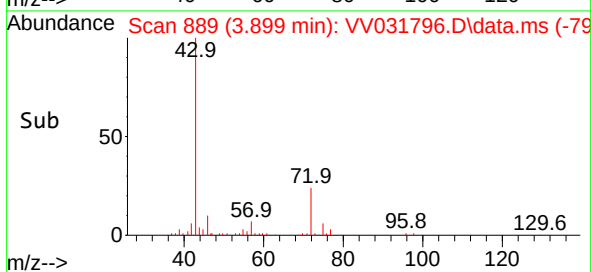
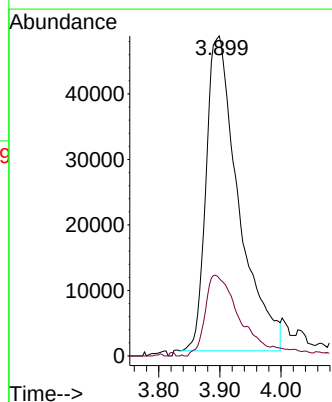
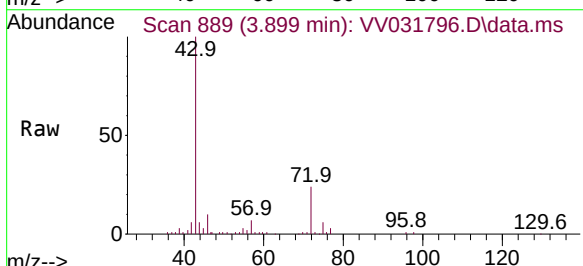
Acq: 11 Aug 2023 14:41

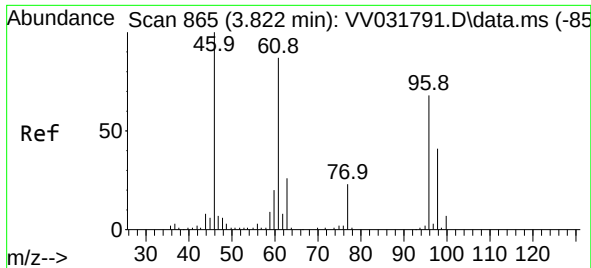
Tgt Ion: 43 Resp: 176612

Ion Ratio Lower Upper

43 100

72 26.5 9.2 27.4

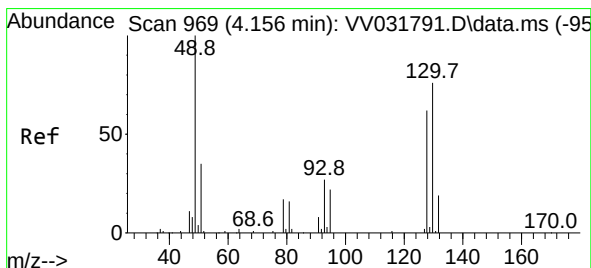
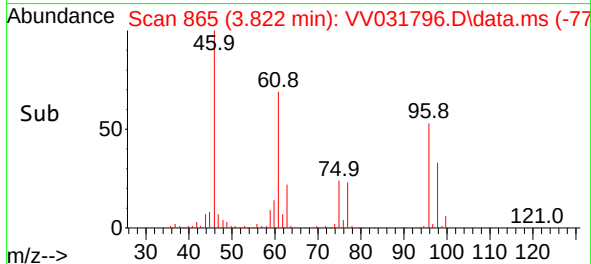
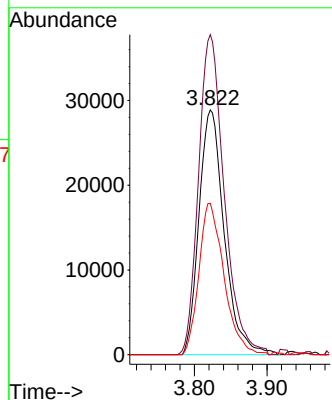
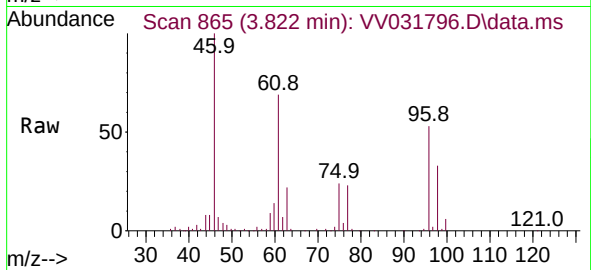




#22
 cis-1,2-Dichloroethene
 Concen: 4.753 ug/L
 RT: 3.822 min Scan# 865
 Delta R.T. 0.000 min
 Lab File: VV031796.D
 Acq: 11 Aug 2023 14:41

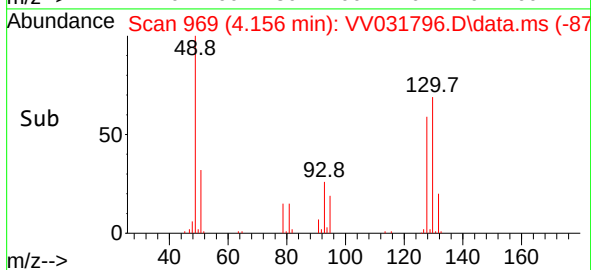
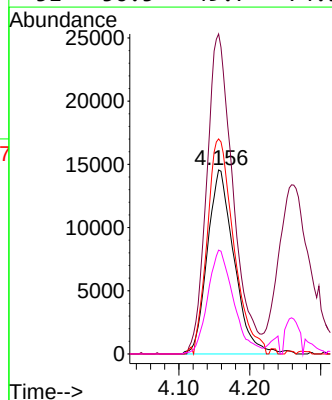
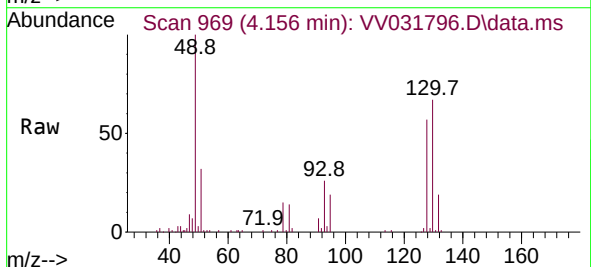
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005375

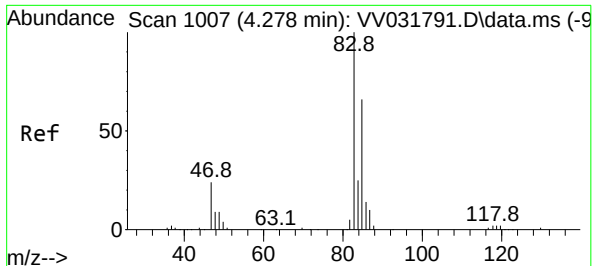
Tgt Ion: 96 Resp: 69929
 Ion Ratio Lower Upper
 96 100
 61 126.4 99.4 184.6
 98 59.8 45.1 83.7



#23
 Bromochloromethane
 Concen: 5.126 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. 0.000 min
 Lab File: VV031796.D
 Acq: 11 Aug 2023 14:41

Tgt Ion: 128 Resp: 37972
 Ion Ratio Lower Upper
 128 100
 49 179.6 136.1 252.7
 130 116.9 91.3 169.5
 51 56.5 49.7 74.5





#25

Chloroform

Concen: 4.962 ug/L

RT: 4.281 min Scan# 1007

Delta R.T. 0.003 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Instrument :

MSVOA_V

ClientSampleId :

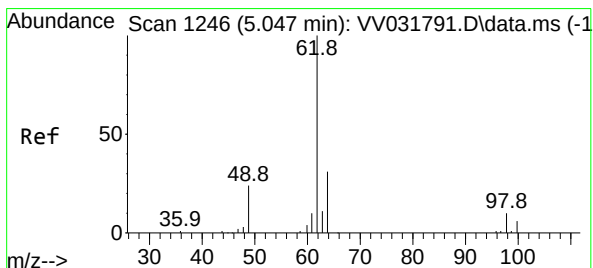
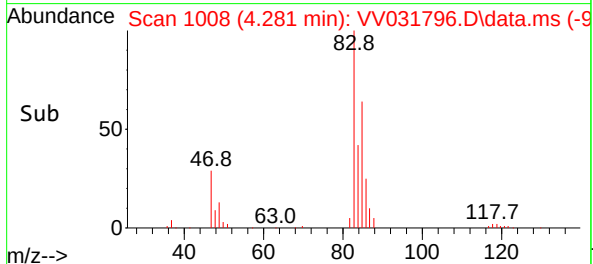
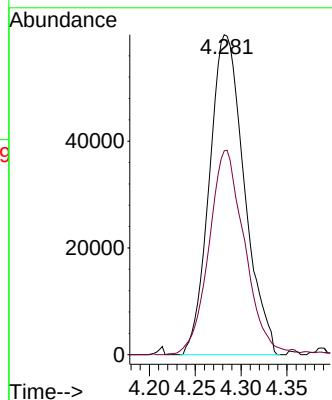
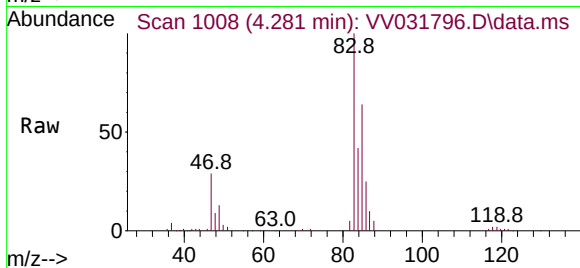
VSTD005375

Tgt Ion: 83 Resp: 158786

Ion Ratio Lower Upper

83 100

85 63.7 44.9 83.5



#27

1,2-Dichloroethane

Concen: 4.601 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.003 min

Lab File: VV031796.D

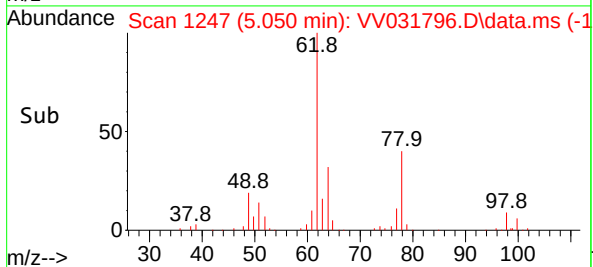
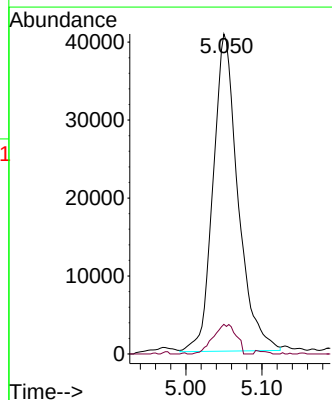
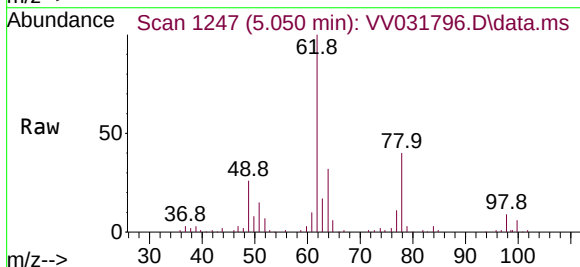
Acq: 11 Aug 2023 14:41

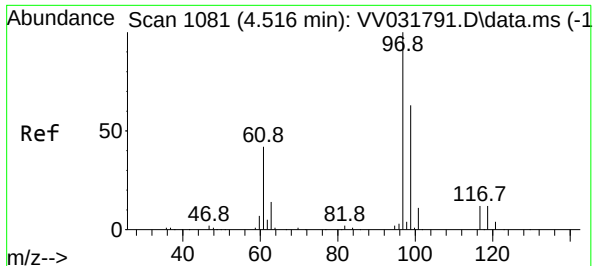
Tgt Ion: 62 Resp: 92603

Ion Ratio Lower Upper

62 100

98 9.3 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 4.876 ug/L

RT: 4.519 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

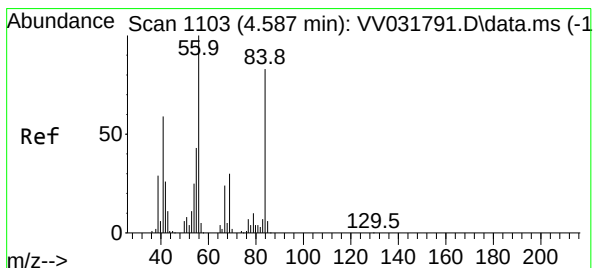
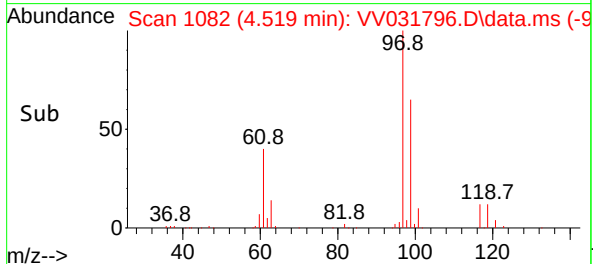
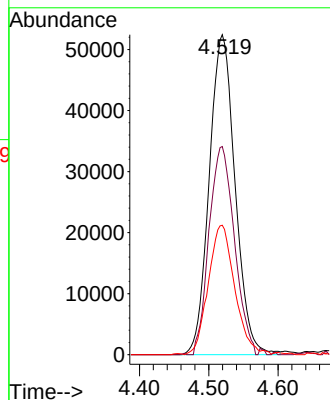
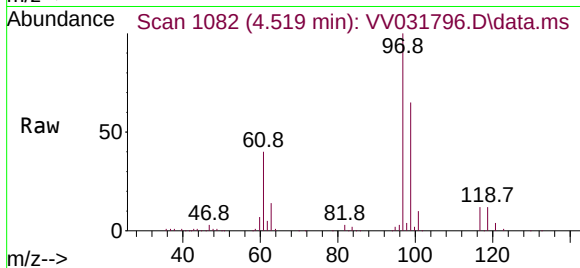
Tgt Ion: 97 Resp: 136098

Ion Ratio Lower Upper

97 100

99 63.7 50.4 75.6

61 41.3 35.6 53.4



#30

Cyclohexane

Concen: 4.401 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

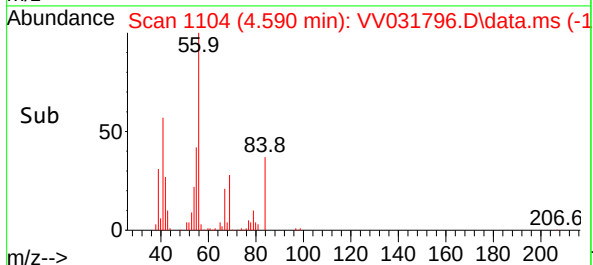
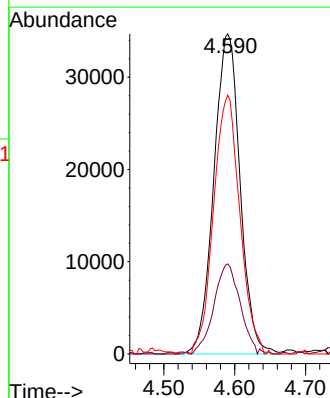
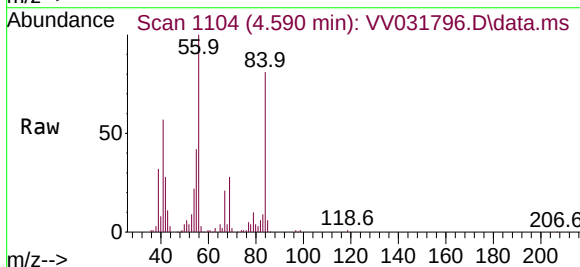
Tgt Ion: 56 Resp: 89317

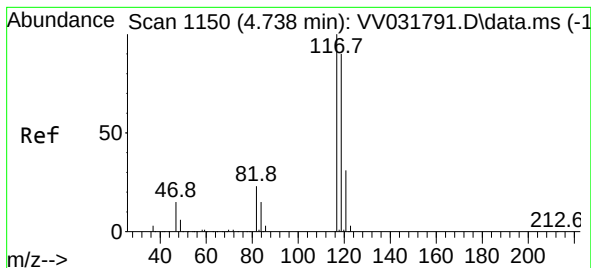
Ion Ratio Lower Upper

56 100

69 28.3 22.9 34.3

84 80.9 62.7 94.1





#31

Carbon tetrachloride

Concen: 4.936 ug/L

RT: 4.741 min Scan# 1150

Delta R.T. 0.003 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Instrument :

MSVOA_V

ClientSampleId :

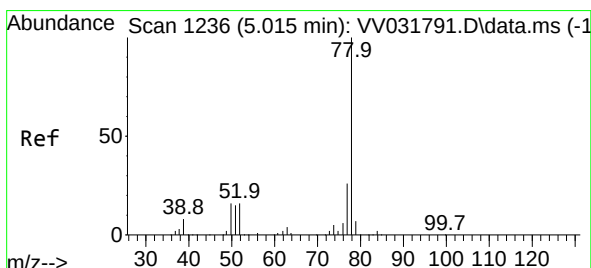
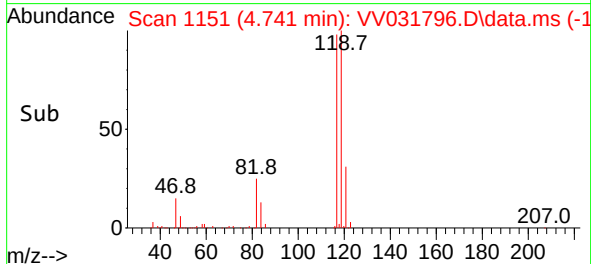
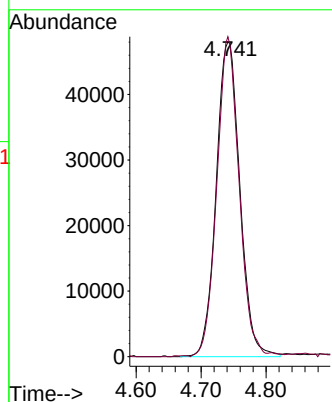
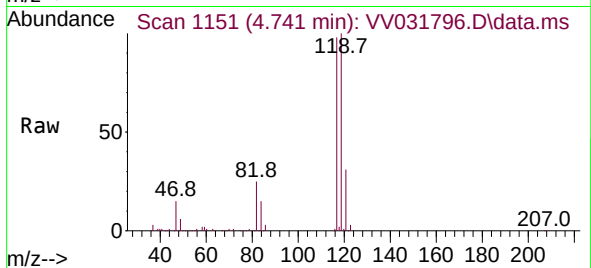
VSTD005375

Tgt Ion:117 Resp: 121551

Ion Ratio Lower Upper

117 100

119 95.3 76.1 114.1



#33

Benzene

Concen: 4.943 ug/L

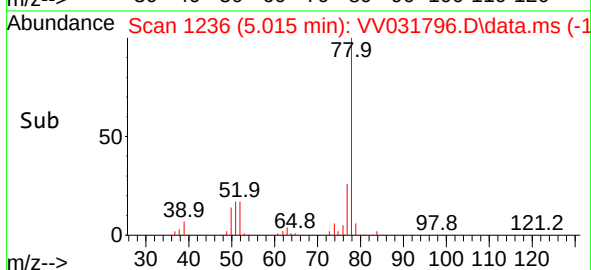
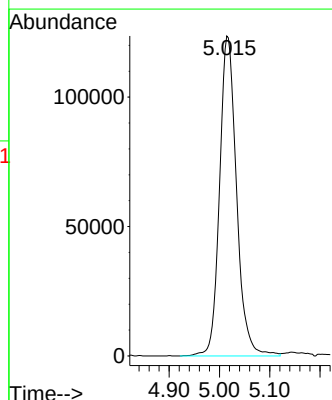
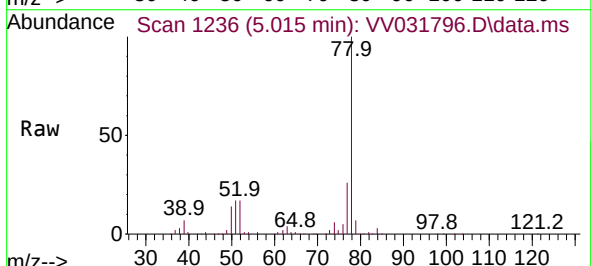
RT: 5.015 min Scan# 1236

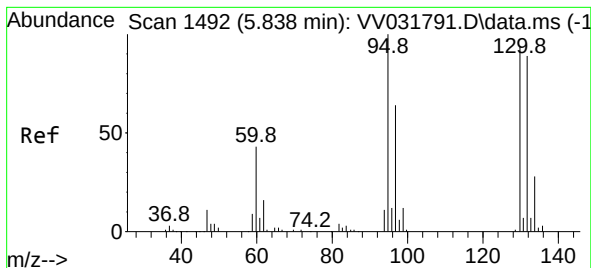
Delta R.T. 0.000 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Tgt Ion: 78 Resp: 290142





#34

Trichloroethene

Concen: 4.786 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. 0.000 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

Tgt Ion: 95 Resp: 79709

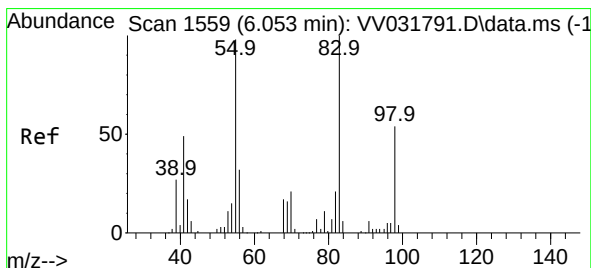
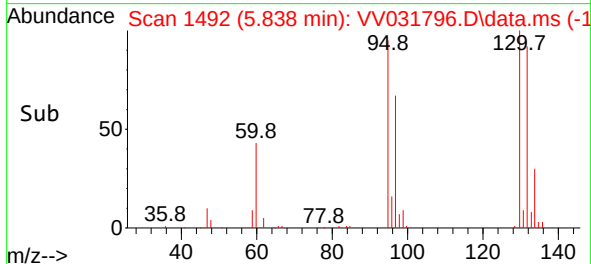
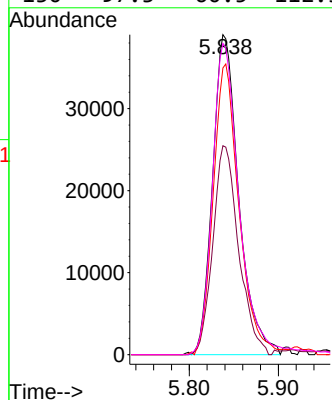
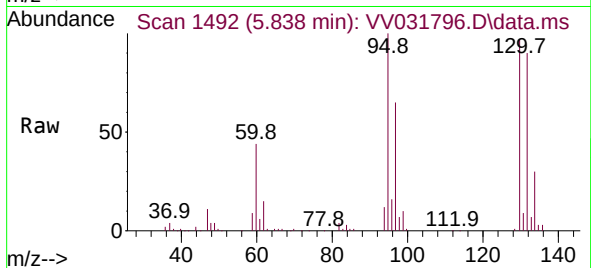
Ion Ratio Lower Upper

95 100

97 65.3 43.3 80.5

132 89.6 58.3 108.3

130 97.3 60.5 112.5



#35

Methylcyclohexane

Concen: 4.420 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. 0.003 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

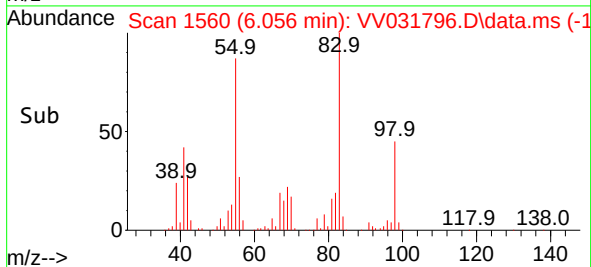
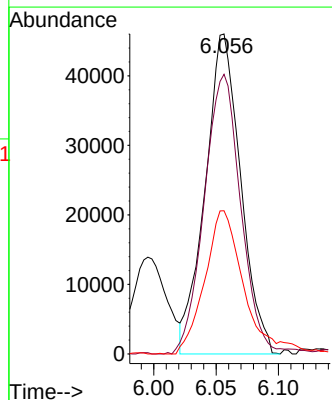
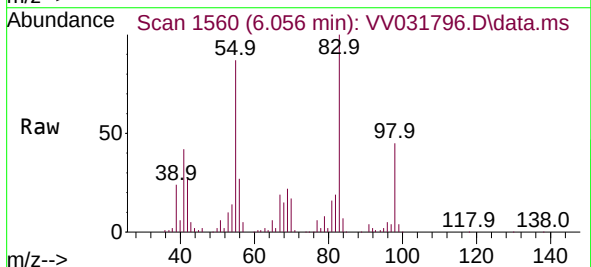
Tgt Ion: 83 Resp: 91374

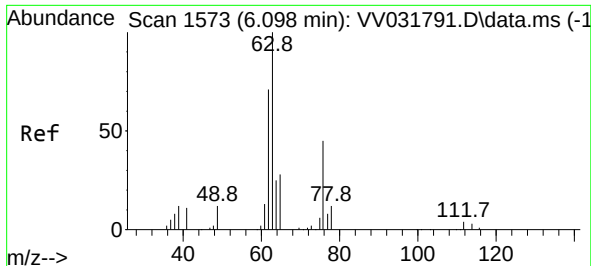
Ion Ratio Lower Upper

83 100

55 90.3 73.8 110.6

98 49.8 35.1 52.7





#37

1,2-Dichloropropane

Concen: 4.691 ug/L

RT: 6.101 min Scan# 1574

Delta R.T. 0.003 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Instrument :

MSVOA_V

ClientSampleId :

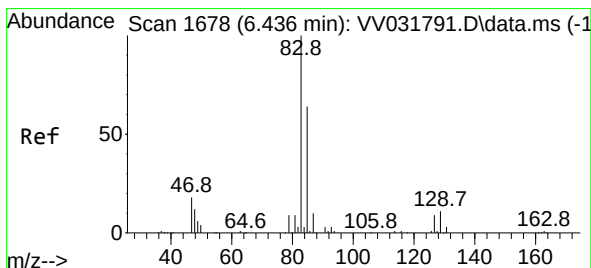
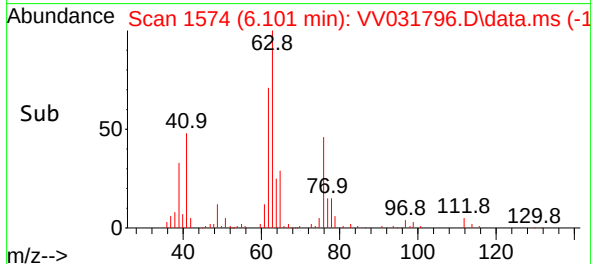
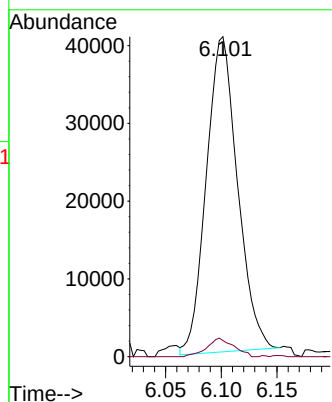
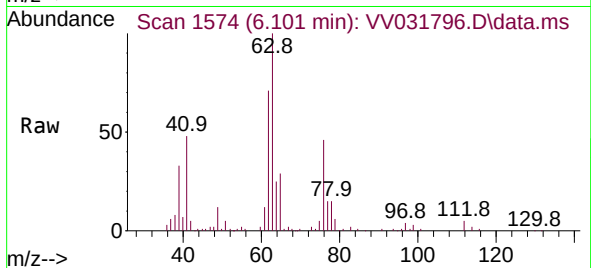
VSTD005375

Tgt Ion: 63 Resp: 79050

Ion Ratio Lower Upper

63 100

112 5.0 1.4 2.2#



#38

Bromodichloromethane

Concen: 4.822 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

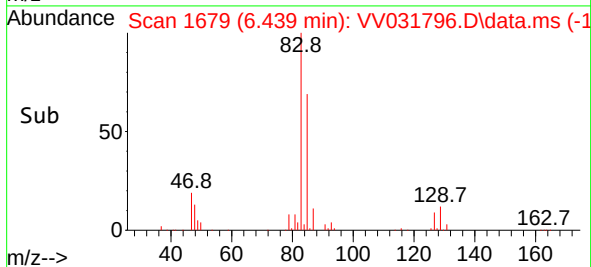
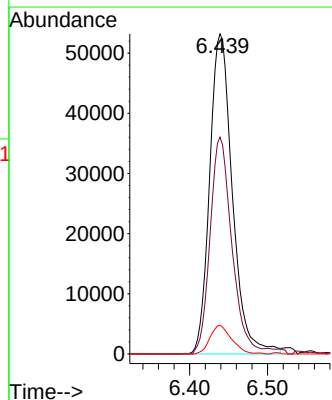
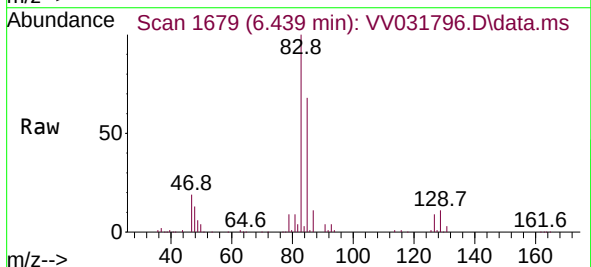
Tgt Ion: 83 Resp: 107890

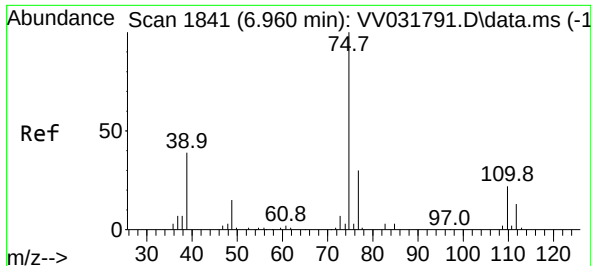
Ion Ratio Lower Upper

83 100

85 69.1 45.5 84.5

127 9.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.392 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Instrument :

MSVOA_V

ClientSampleId :

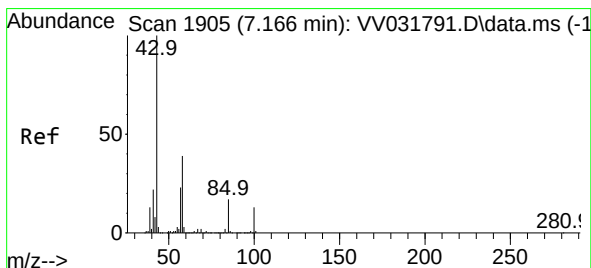
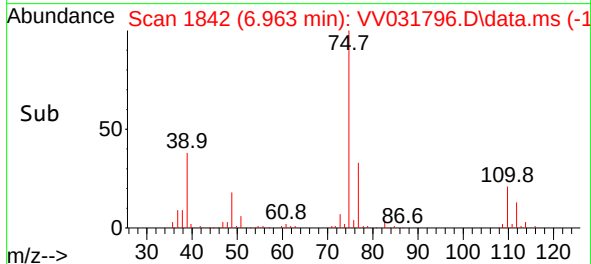
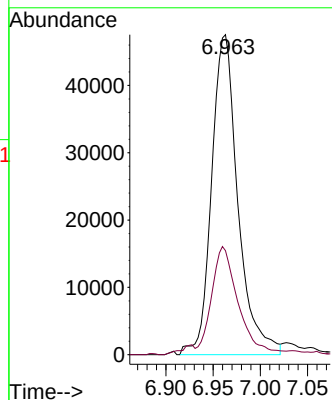
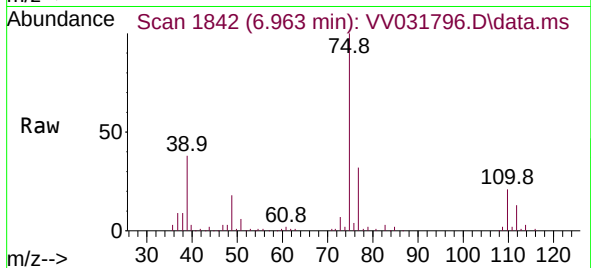
VSTD005375

Tgt Ion: 75 Resp: 92137

Ion Ratio Lower Upper

75 100

77 32.5 23.0 42.6



#40

4-Methyl-2-pentanone

Concen: 49.179 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

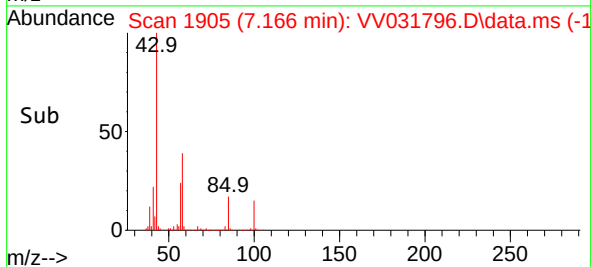
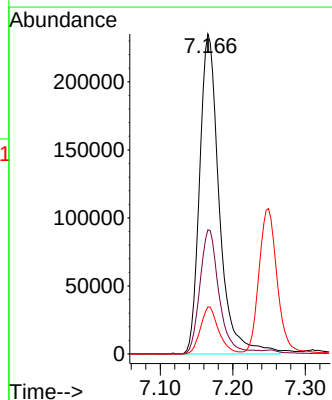
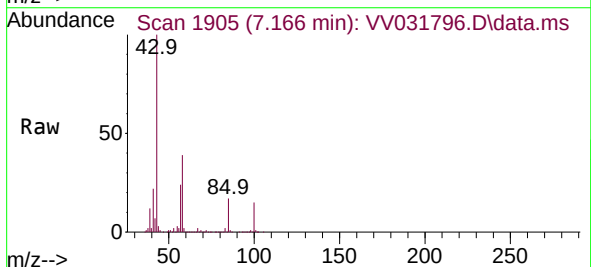
Tgt Ion: 43 Resp: 442949

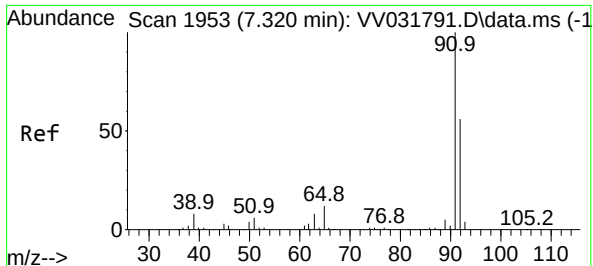
Ion Ratio Lower Upper

43 100

58 38.3 30.3 45.5

100 13.6 9.7 14.5





#42

Toluene

Concen: 5.444 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Instrument :

MSVOA_V

ClientSampleId :

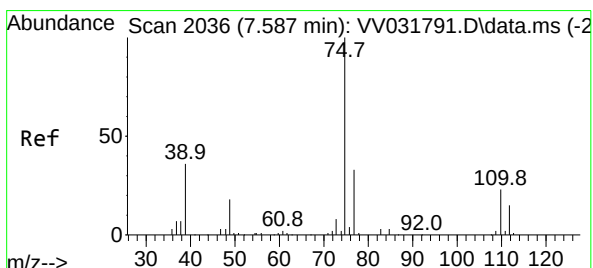
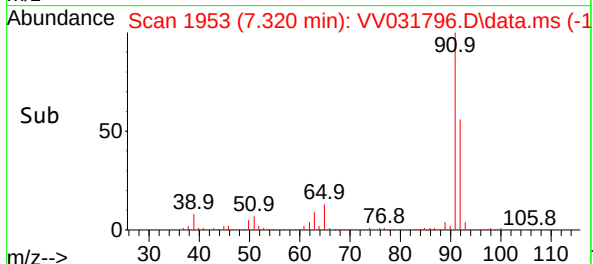
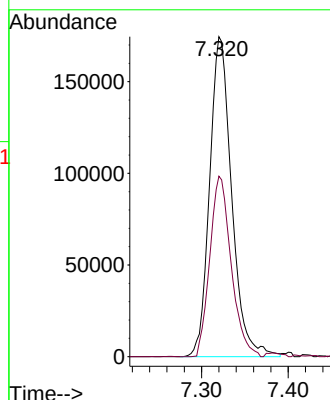
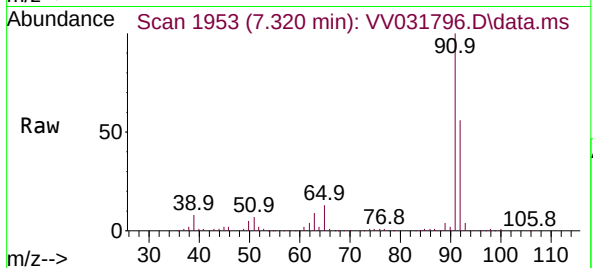
VSTD005375

Tgt Ion: 91 Resp: 308643

Ion Ratio Lower Upper

91 100

92 56.4 38.1 70.7



#44

trans-1,3-Dichloropropene

Concen: 4.820 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031796.D

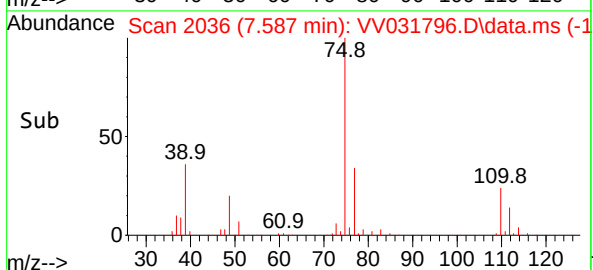
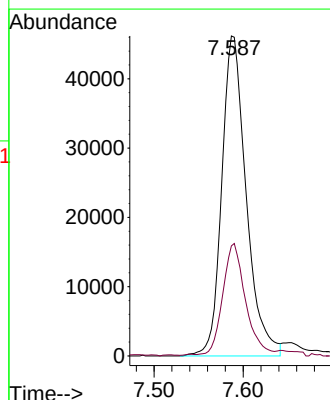
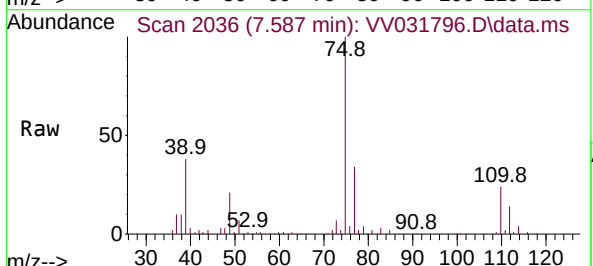
Acq: 11 Aug 2023 14:41

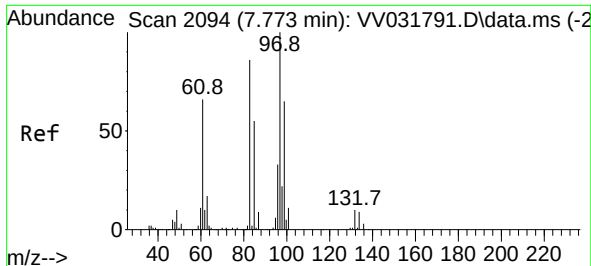
Tgt Ion: 75 Resp: 88197

Ion Ratio Lower Upper

75 100

77 34.4 21.7 40.3

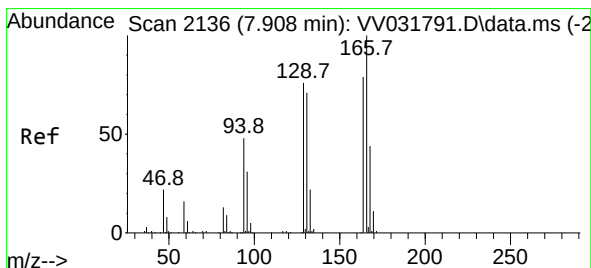
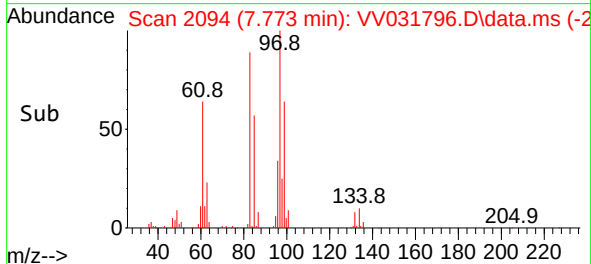
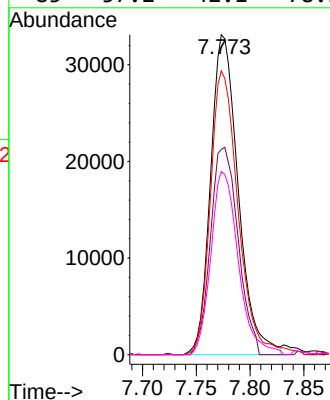
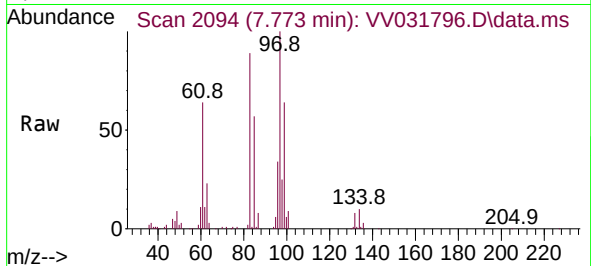




#45
1,1,2-Trichloroethane
Concen: 4.727 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

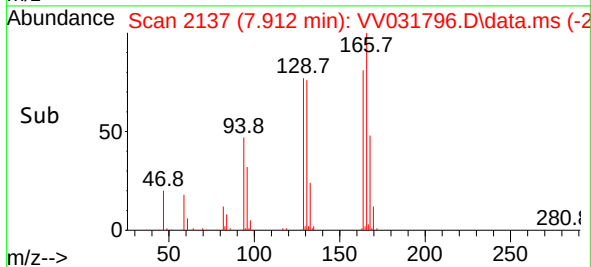
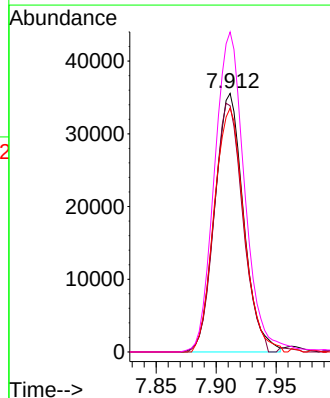
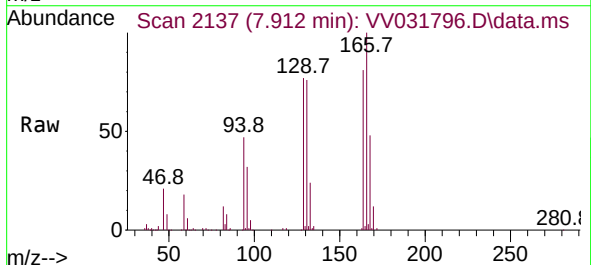
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

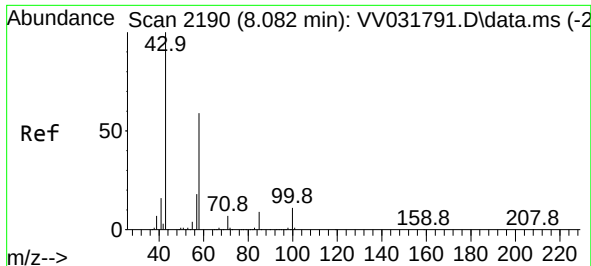
Tgt Ion: 97	Resp: 59181
Ion Ratio	Lower Upper
97 100	
99 64.1	40.9 76.0
83 88.7	59.7 110.9
85 57.2	42.1 78.1



#47
Tetrachloroethene
Concen: 5.173 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

Tgt Ion:164	Resp: 59487
Ion Ratio	Lower Upper
164 100	
129 95.2	70.5 130.9
131 94.3	64.0 118.8
166 123.7	89.9 166.9

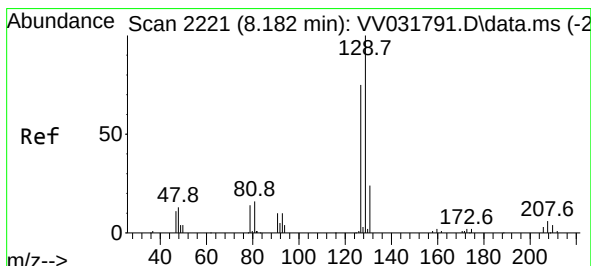
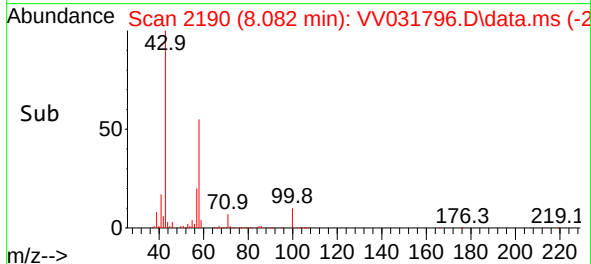
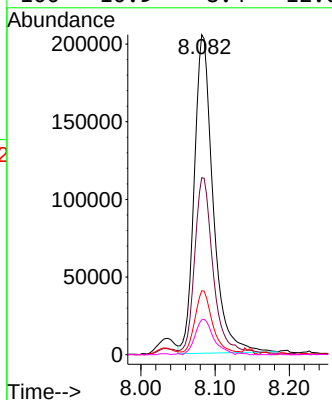
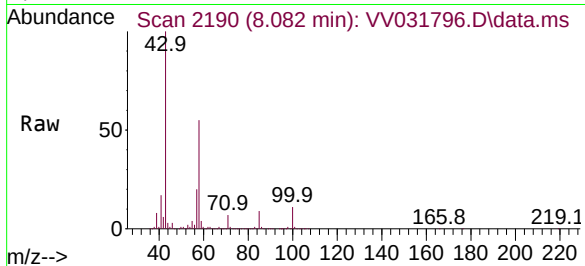




#48
2-Hexanone
Concen: 54.893 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

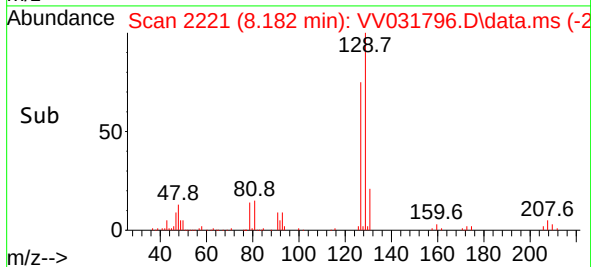
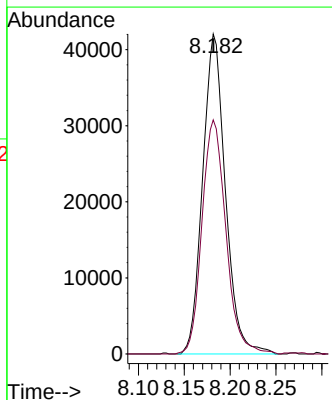
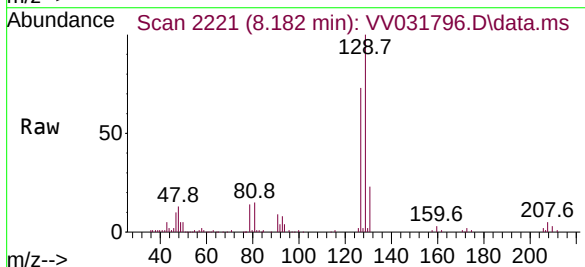
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

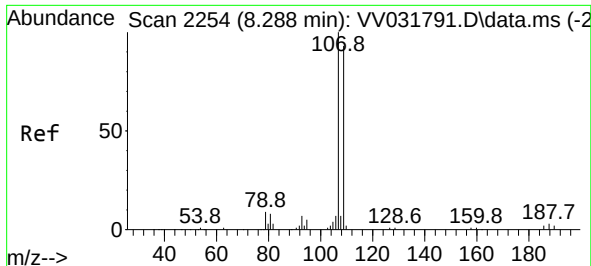
Tgt Ion: 43 Resp: 362287
Ion Ratio Lower Upper
43 100
58 54.7 42.6 64.0
57 19.5 14.6 21.8
100 10.9 8.4 12.6



#49
Dibromochloromethane
Concen: 5.396 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

Tgt Ion: 129 Resp: 72568
Ion Ratio Lower Upper
129 100
127 73.2 51.7 96.1

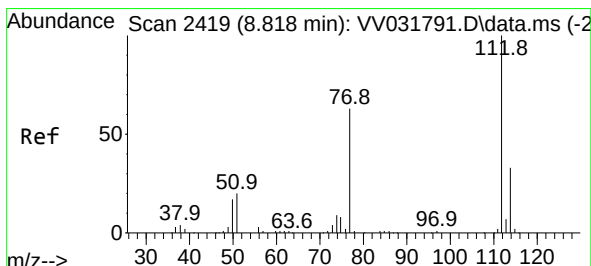
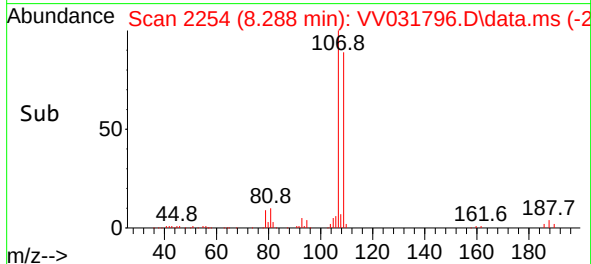
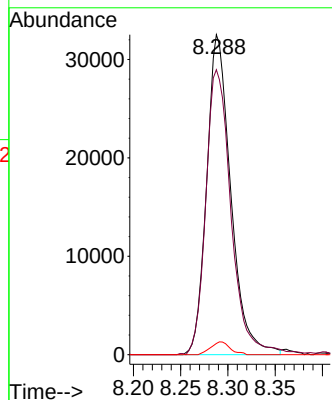
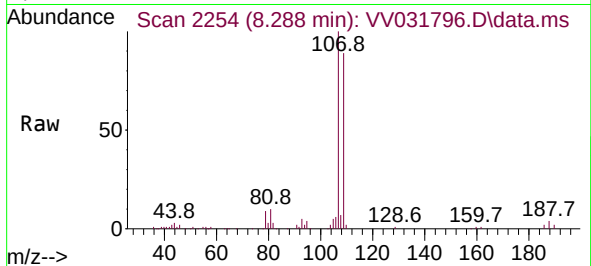




#50
1,2-Dibromoethane
Concen: 4.941 ug/L
RT: 8.288 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

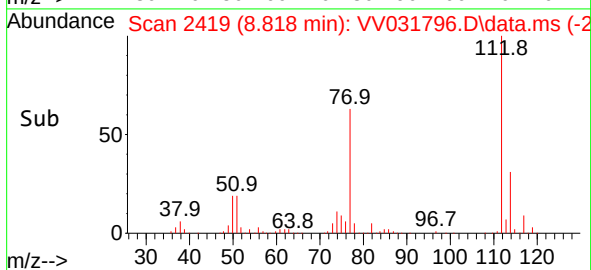
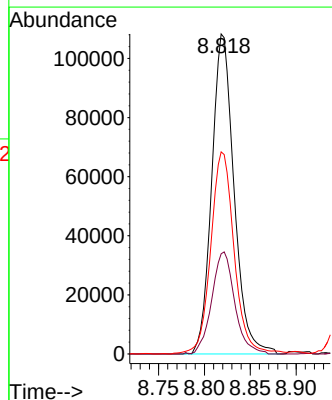
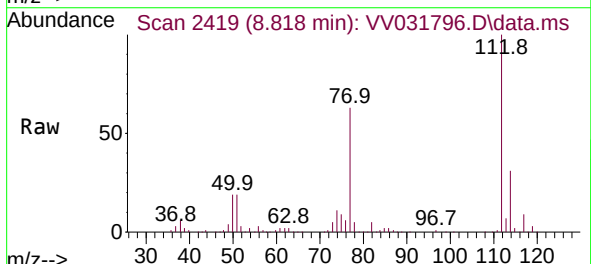
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

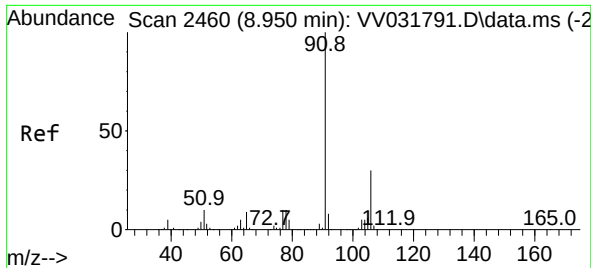
Tgt Ion:107 Resp: 57843
Ion Ratio Lower Upper
107 100
109 89.0 67.6 125.6
188 3.5 3.0 4.6



#51
Chlorobenzene
Concen: 4.905 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

Tgt Ion:112 Resp: 183393
Ion Ratio Lower Upper
112 100
114 29.1 21.6 40.2
77 58.8 54.2 81.4

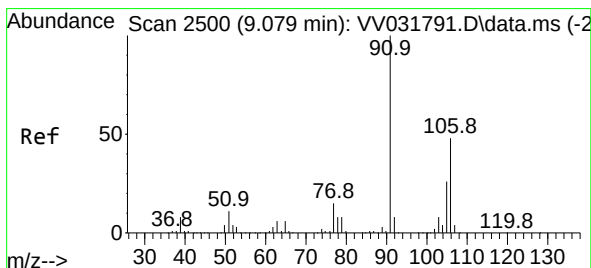
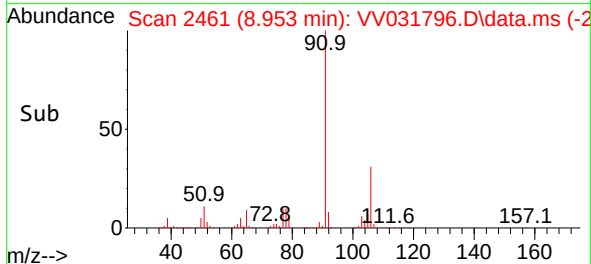
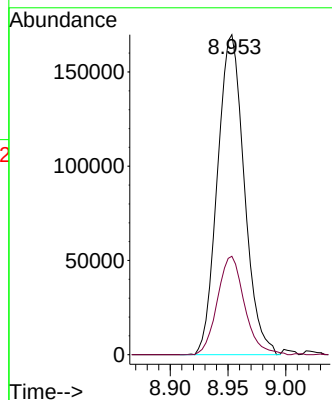
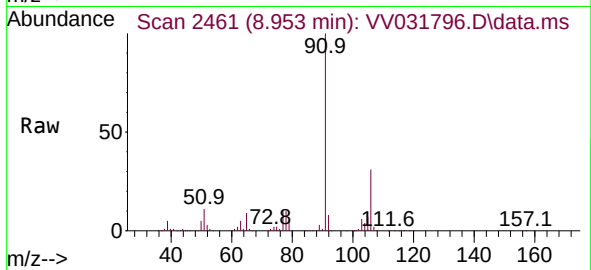




#52
Ethylbenzene
Concen: 4.873 ug/L
RT: 8.953 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

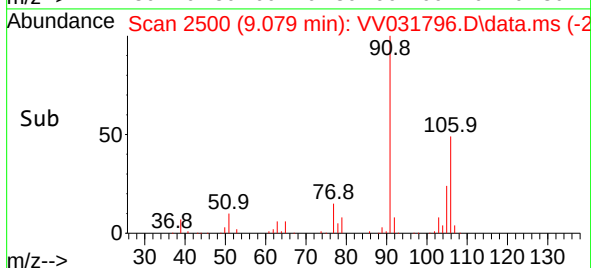
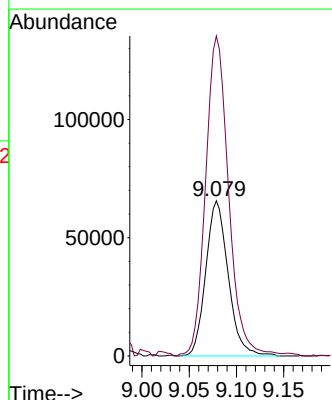
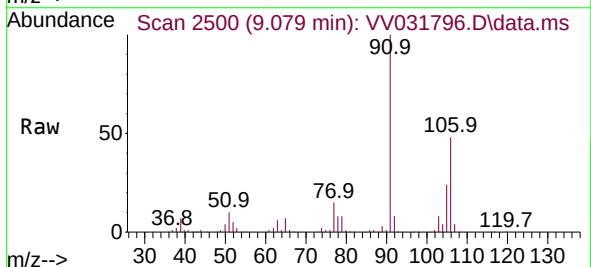
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

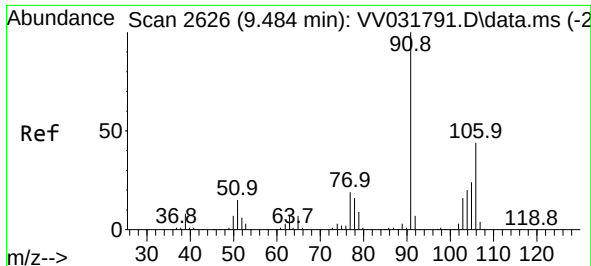
Tgt Ion: 91 Resp: 273900
Ion Ratio Lower Upper
91 100
106 30.8 21.2 39.4



#53
m,p-Xylene
Concen: 5.212 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

Tgt Ion: 106 Resp: 108288
Ion Ratio Lower Upper
106 100
91 206.3 149.9 278.3

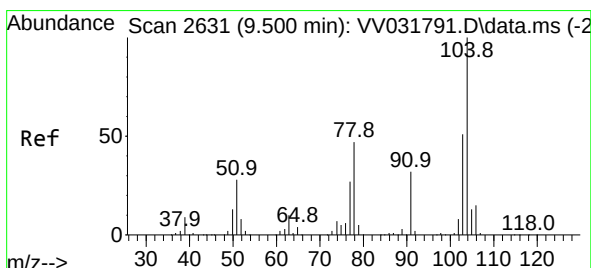
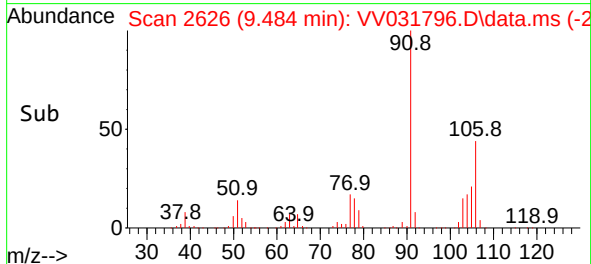
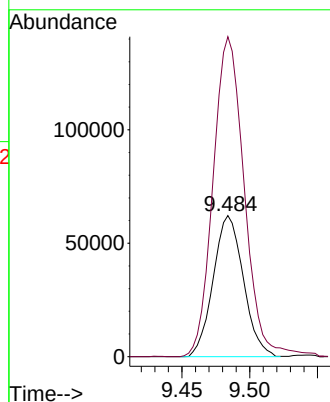
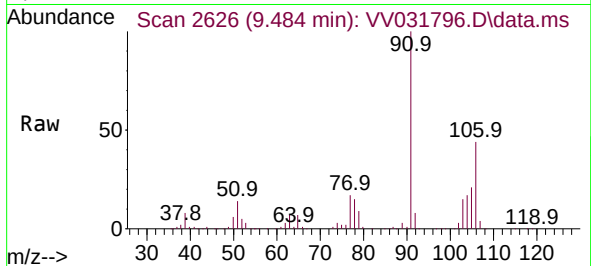




#54
o-Xylene
Concen: 5.001 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

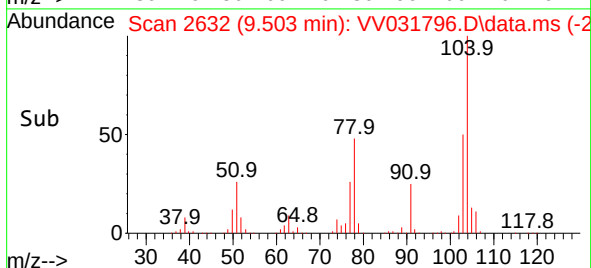
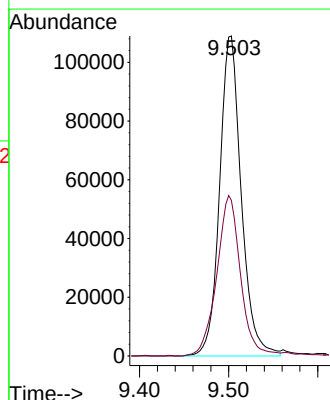
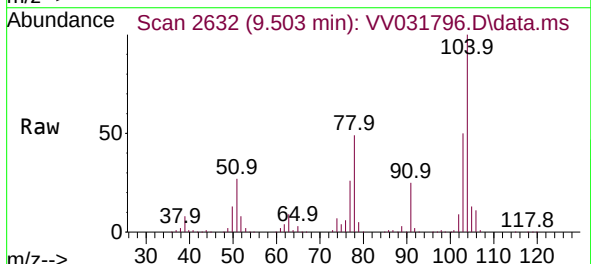
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

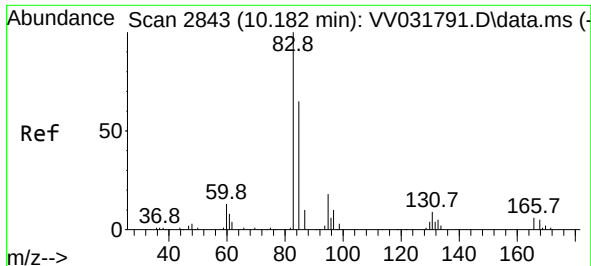
Tgt Ion:106 Resp: 96367
Ion Ratio Lower Upper
106 100
91 226.8 166.7 309.5



#55
Styrene
Concen: 5.072 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

Tgt Ion:104 Resp: 184438
Ion Ratio Lower Upper
104 100
78 48.6 35.3 65.5





#57

1,1,2,2-Tetrachloroethane

Concen: 4.546 ug/L

RT: 10.185 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

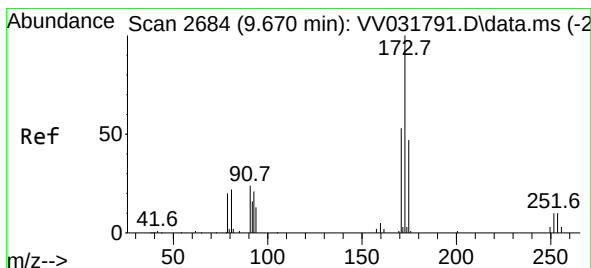
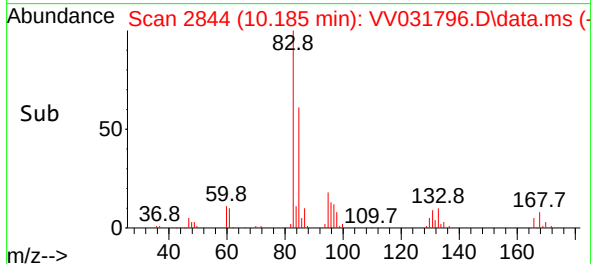
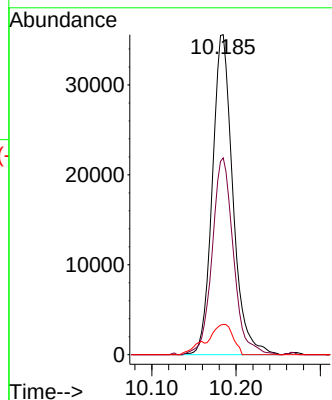
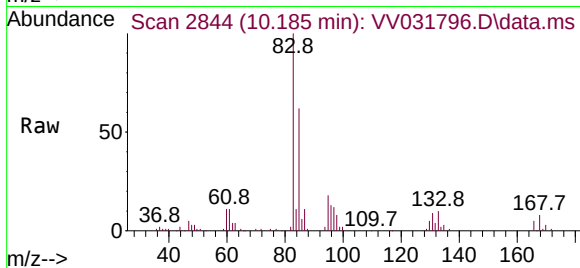
Tgt Ion: 83 Resp: 60238

Ion Ratio Lower Upper

83 100

85 61.5 48.6 90.2

131 9.5 7.0 10.6



#59

Bromoform

Concen: 4.271 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

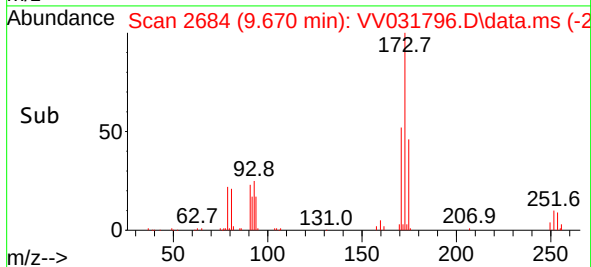
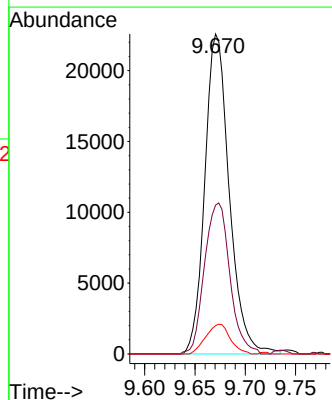
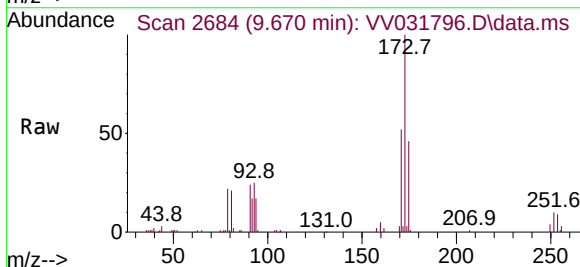
Tgt Ion: 173 Resp: 38251

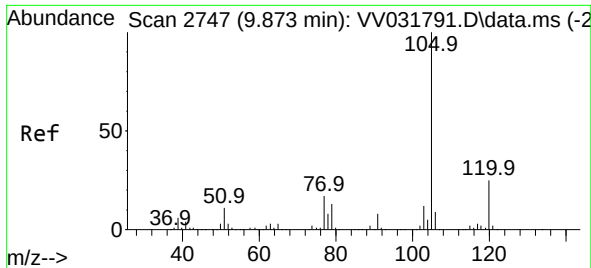
Ion Ratio Lower Upper

173 100

175 48.9 40.2 60.4

254 9.2 6.4 9.6

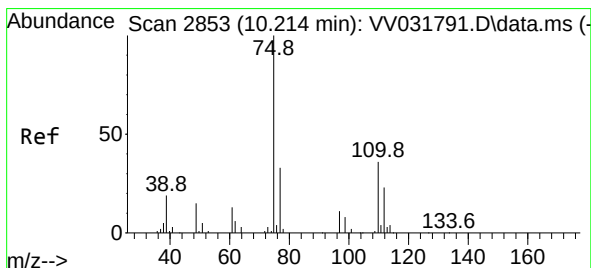
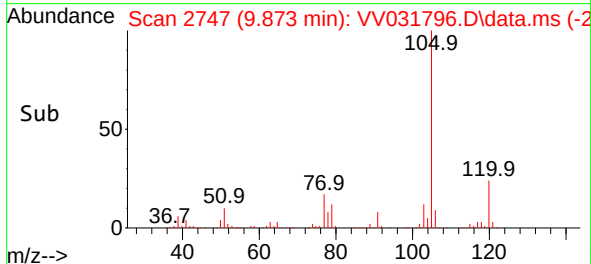
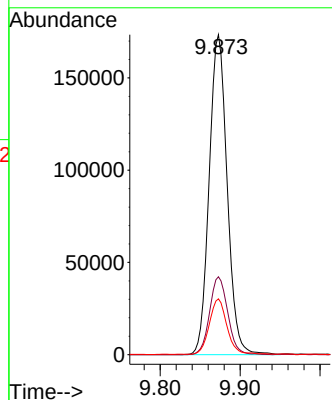
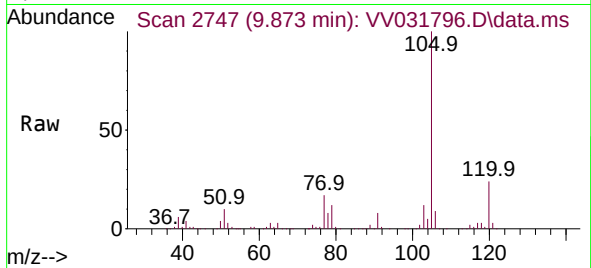




#60
Isopropylbenzene
Concen: 4.564 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

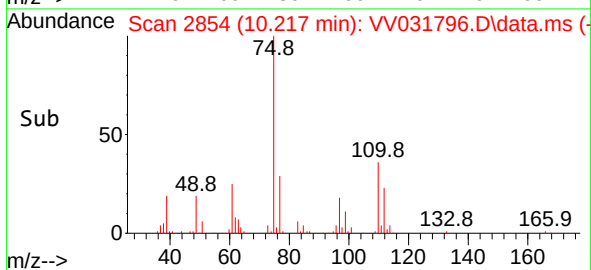
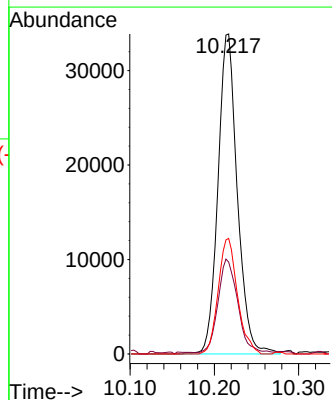
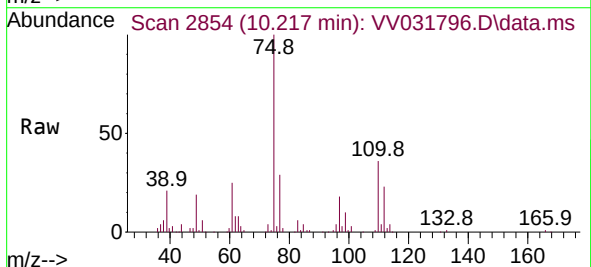
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

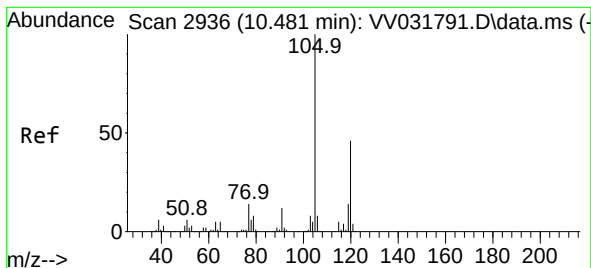
Tgt Ion:105 Resp: 271206
Ion Ratio Lower Upper
105 100
120 24.5 20.0 30.0
77 17.0 14.2 21.4



#61
1,2,3-Trichloropropane
Concen: 4.523 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

Tgt Ion: 75 Resp: 53933
Ion Ratio Lower Upper
75 100
77 29.5 25.9 38.9
110 35.9 28.6 42.8

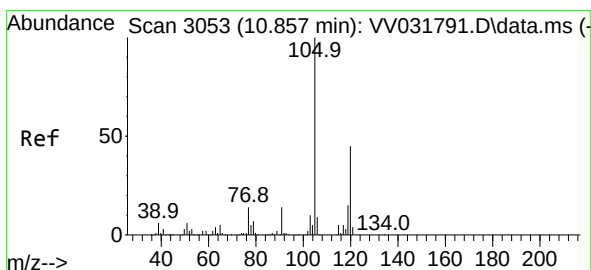
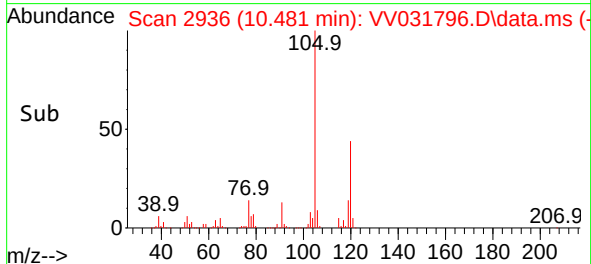
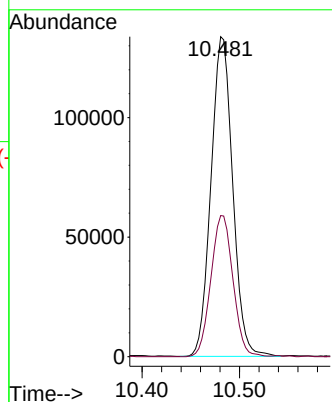
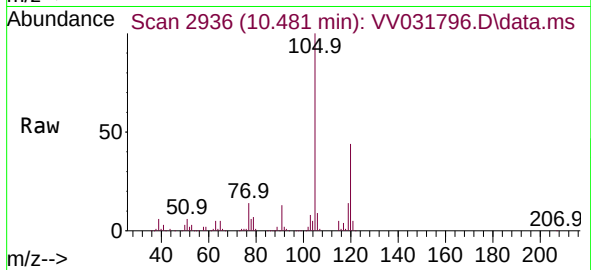




#62
1,3,5-Trimethylbenzene
Concen: 4.317 ug/L
RT: 10.481 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

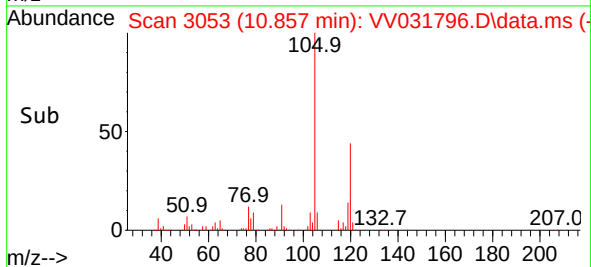
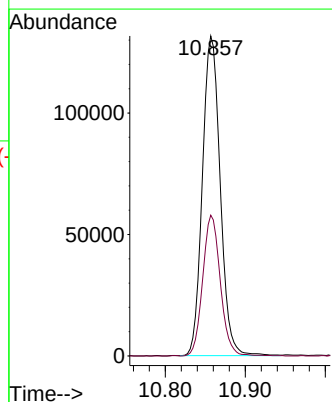
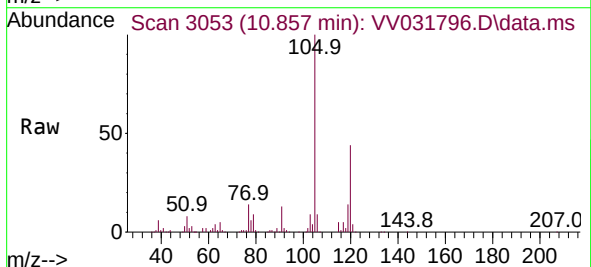
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

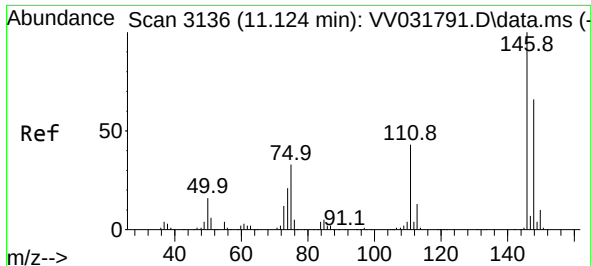
Tgt Ion:105 Resp: 206967
Ion Ratio Lower Upper
105 100
120 44.8 36.2 54.4



#63
1,2,4-Trimethylbenzene
Concen: 4.271 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

Tgt Ion:105 Resp: 204383
Ion Ratio Lower Upper
105 100
120 43.6 33.4 50.0

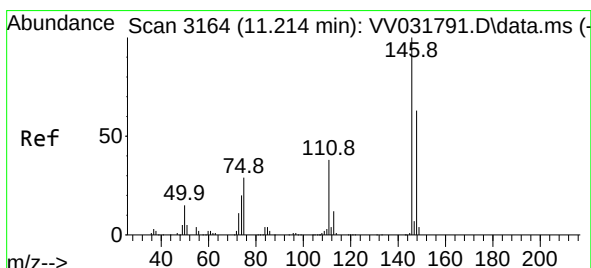
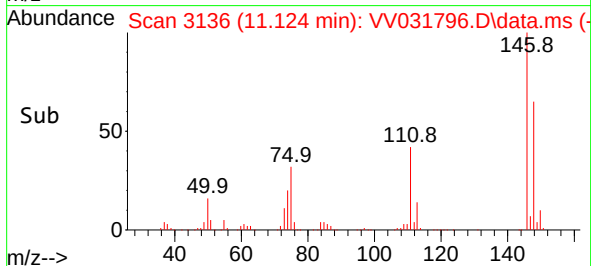
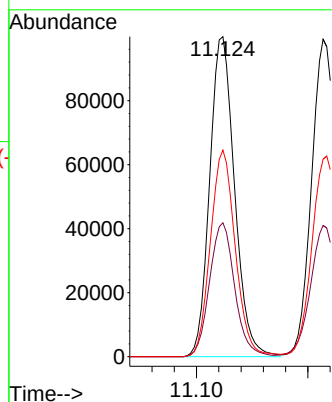
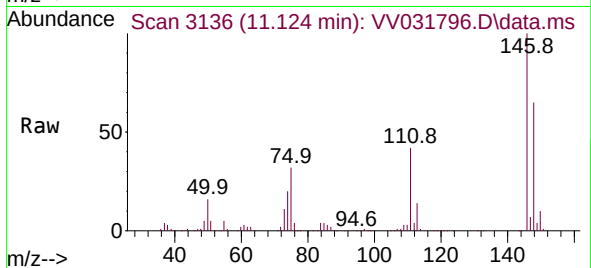




#64
1,3-Dichlorobenzene
Concen: 4.839 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

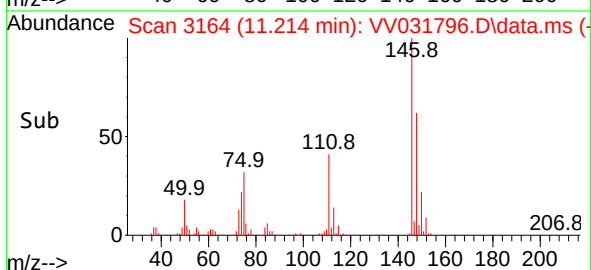
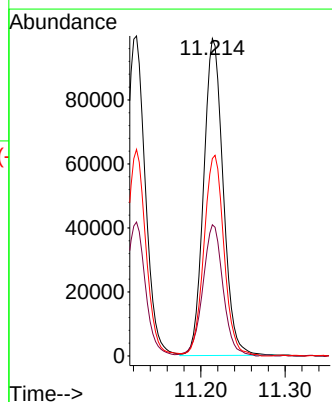
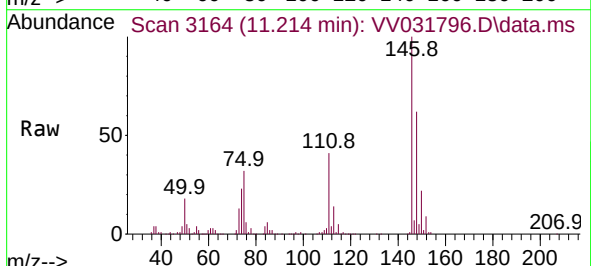
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

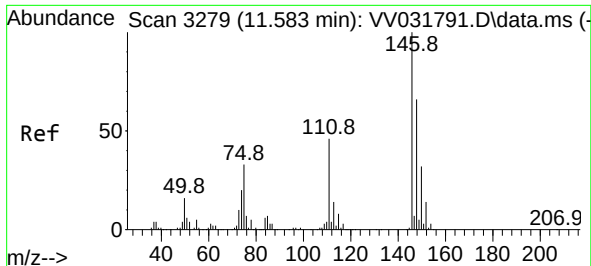
Tgt Ion:146 Resp: 154983
Ion Ratio Lower Upper
146 100
111 41.9 28.8 53.4
148 64.6 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 4.713 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

Tgt Ion:146 Resp: 159756
Ion Ratio Lower Upper
146 100
111 41.3 28.2 52.4
148 62.2 43.6 81.0

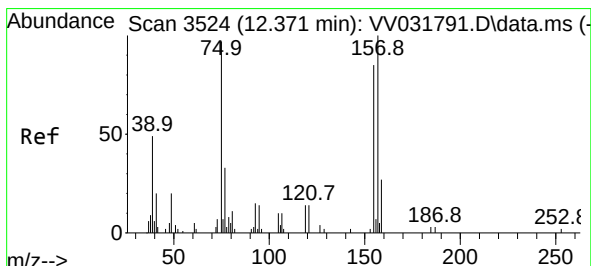
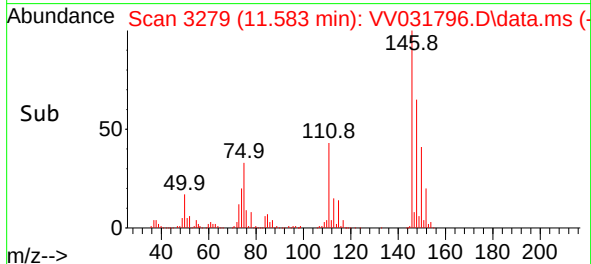
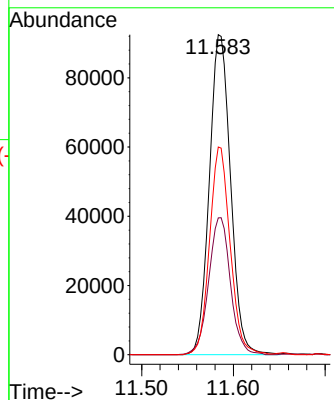
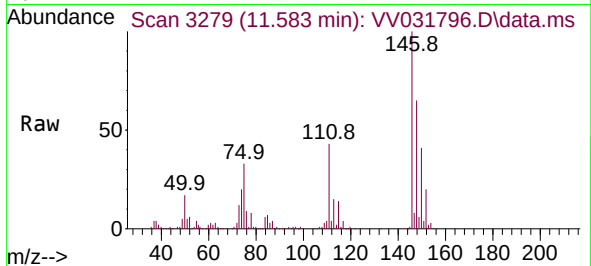




#67
1,2-Dichlorobenzene
Concen: 4.847 ug/L
RT: 11.583 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

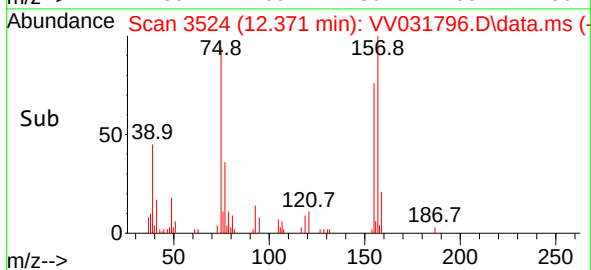
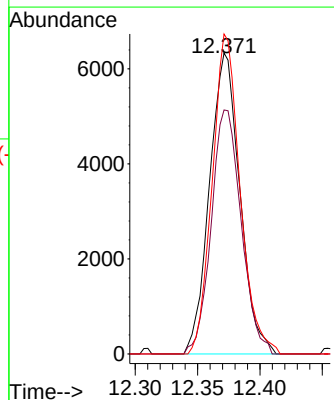
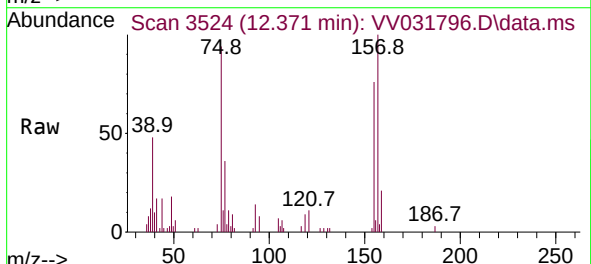
Instrument :
MSVOA_V
ClientSampleId :
VSTD005375

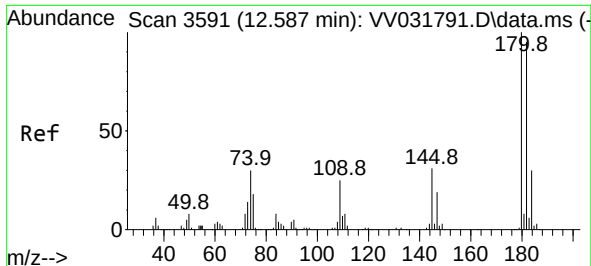
Tgt Ion:146 Resp: 148760
Ion Ratio Lower Upper
146 100
111 42.8 34.2 51.4
148 64.9 48.1 72.1



#68
1,2-Dibromo-3-chloropropane
Concen: 4.381 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV031796.D
Acq: 11 Aug 2023 14:41

Tgt Ion: 75 Resp: 10735
Ion Ratio Lower Upper
75 100
155 81.1 61.4 92.0
157 106.3 82.8 124.2





#69

1,3,5-Trichlorobenzene

Concen: 4.616 ug/L

RT: 12.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

Tgt Ion:180 Resp: 108131

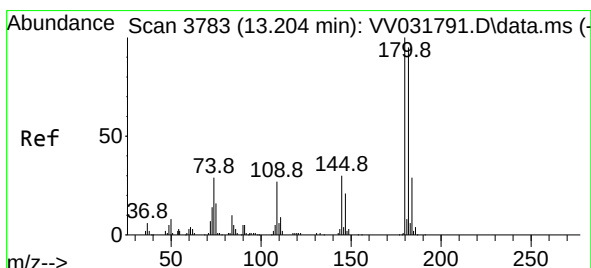
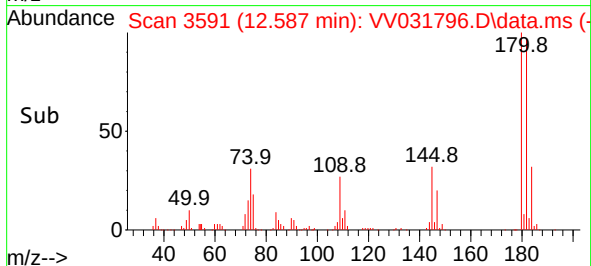
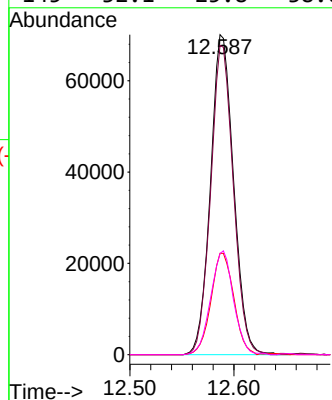
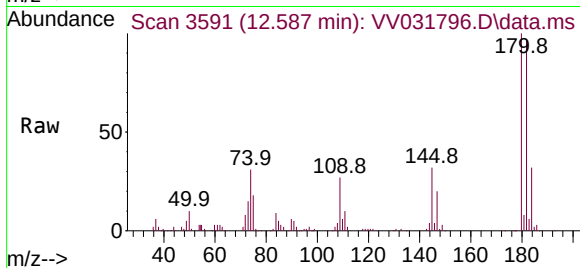
Ion Ratio Lower Upper

180 100

182 94.8 78.3 117.5

184 31.4 24.5 36.7

145 32.1 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 4.500 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

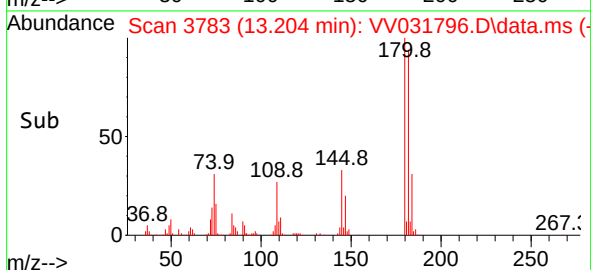
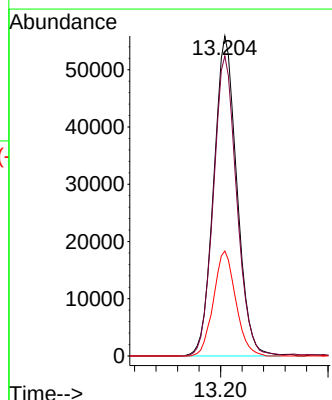
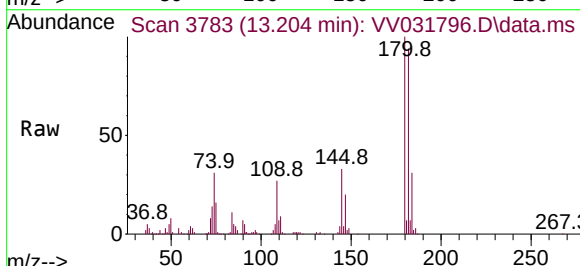
Tgt Ion:180 Resp: 83521

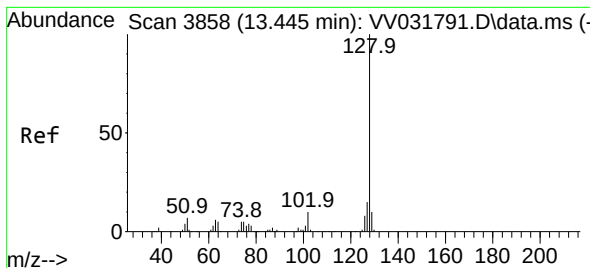
Ion Ratio Lower Upper

180 100

182 94.3 76.0 114.0

145 31.5 26.2 39.4





#71

Naphthalene

Concen: 3.910 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005375

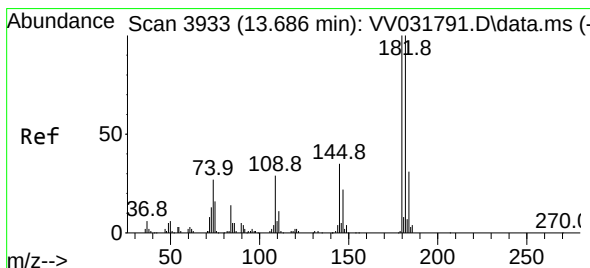
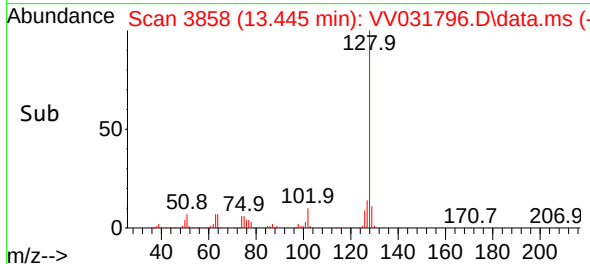
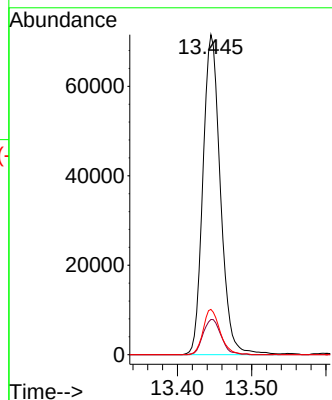
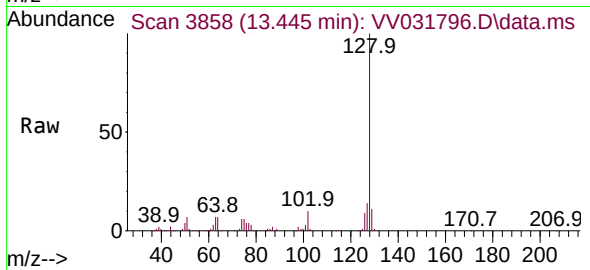
Tgt Ion:128 Resp: 117062

Ion Ratio Lower Upper

128 100

129 11.4 9.1 13.7

127 13.7 11.6 17.4



#72

1,2,3-Trichlorobenzene

Concen: 4.544 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031796.D

Acq: 11 Aug 2023 14:41

Tgt Ion:180 Resp: 77882

Ion Ratio Lower Upper

180 100

182 100.1 74.6 111.8

145 34.3 27.4 41.0

