

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081123\
 Data File : VV031791.D
 Acq On : 11 Aug 2023 09:08
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005374

Quant Time: Aug 12 05:15:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 18 06:24:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	184072	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	203555	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	114172	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	64606	3.963	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.200%
7) Chloroethane-d5	1.532	69	66396	4.493	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.060	65	40458	4.836	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.800%
20) 2-Butanone-d5	3.825	46	193766	46.527	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.060%
24) Chloroform-d	4.252	84	178955	5.153	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	4.947	65	85752	4.835	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
32) Benzene-d6	4.963	84	298787	5.141	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
36) 1,2-Dichloropropane-d6	5.992	67	106548	4.947	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.246	98	296619	5.558	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.200%
43) trans-1,3-Dichloroprop...	7.558	79	34234	5.033	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.600%
46) 2-Hexanone-d5	8.034	63	146172	46.268	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.540%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	78420	4.962	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	11.564	152	104889	5.275	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	100305	5.017	ug/L	99
3) Chloromethane	1.217	50	93183	4.499	ug/L	99
5) Vinyl chloride	1.282	62	95811	4.841	ug/L	93
6) Bromomethane	1.491	94	61071	5.048	ug/L	99
8) Chloroethane	1.552	64	59014	5.139	ug/L	96
9) Trichlorofluoromethane	1.716	101	151811	5.316	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	90325	5.751	ug/L	98
12) 1,1-Dichloroethene	2.069	96	76569	5.332	ug/L	94
13) Acetone	2.153	43	134403	50.726	ug/L	99
14) Carbon disulfide	2.240	76	207966	4.665	ug/L	100
15) Methyl Acetate	2.391	43	23963	4.228	ug/L	98
16) Methylene chloride	2.449	84	76914	4.030	ug/L	97
17) Methyl tert-butyl Ether	2.709	73	135331	5.128	ug/L	98
18) trans-1,2-Dichloroethene	2.696	96	62184	5.008	ug/L	99
19) 1,1-Dichloroethane	3.114	63	141743	5.220	ug/L	96
21) 2-Butanone	3.905	43	162429	47.098	ug/L	91
22) cis-1,2-Dichloroethene	3.822	96	60839	4.956	ug/L	92
23) Bromochloromethane	4.156	128	35398	5.726	ug/L	88
25) Chloroform	4.278	83	151519	5.674	ug/L	97

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 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
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Quant Time: Aug 12 05:15:27 2023
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 Response via : Initial Calibration

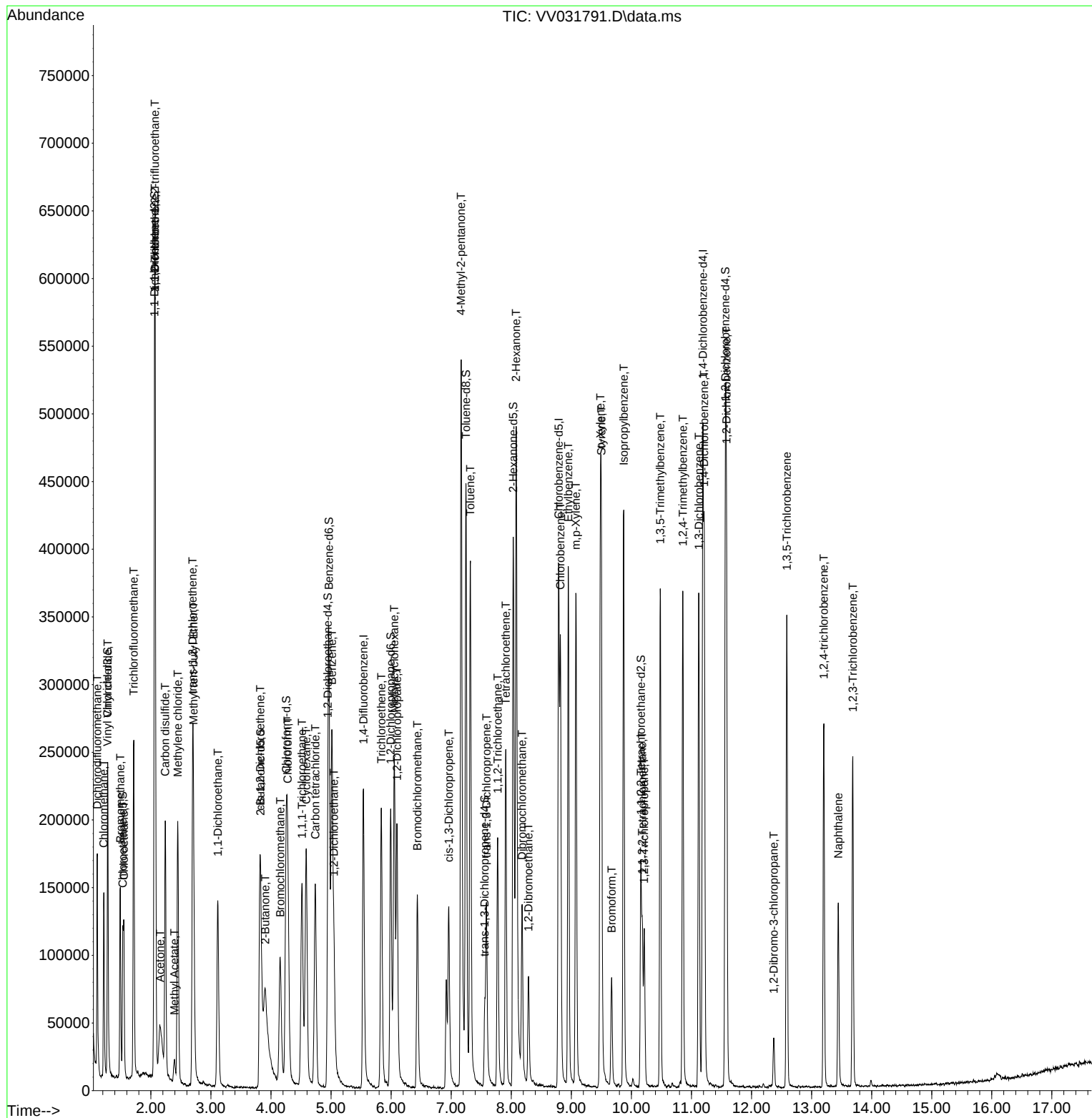
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	87106	5.186	ug/L #	94
29) 1,1,1-Trichloroethane	4.516	97	127322	5.179	ug/L	98
30) Cyclohexane	4.587	56	82115	4.593	ug/L	97
31) Carbon tetrachloride	4.738	117	116890	5.389	ug/L	97
33) Benzene	5.015	78	268297	5.189	ug/L	100
34) Trichloroethene	5.838	95	75318	5.134	ug/L	94
35) Methylcyclohexane	6.053	83	83877	4.607	ug/L	96
37) 1,2-Dichloropropane	6.098	63	75190	5.066	ug/L #	98
38) Bromodichloromethane	6.436	83	101466	5.149	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	90270	4.886	ug/L	97
40) 4-Methyl-2-pentanone	7.166	43	405134	51.067	ug/L	99
42) Toluene	7.320	91	286441	5.736	ug/L	97
44) trans-1,3-Dichloropropene	7.587	75	81869	5.080	ug/L	96
45) 1,1,2-Trichloroethane	7.773	97	57781	5.240	ug/L	93
47) Tetrachloroethene	7.908	164	56152	5.544	ug/L	98
48) 2-Hexanone	8.082	43	324144	55.760	ug/L	96
49) Dibromochloromethane	8.182	129	68342	5.770	ug/L	98
50) 1,2-Dibromoethane	8.288	107	53918	5.229	ug/L	96
51) Chlorobenzene	8.818	112	173766	5.276	ug/L	93
52) Ethylbenzene	8.950	91	255718	5.165	ug/L	99
53) m,p-Xylene	9.079	106	96840	5.292	ug/L	98
54) o-Xylene	9.484	106	88658	5.223	ug/L	95
55) Styrene	9.500	104	168682	5.267	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.182	83	55343	4.742	ug/L	95
59) Bromoform	9.670	173	37523	4.923	ug/L #	96
60) Isopropylbenzene	9.873	105	248736	4.918	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	48662	4.795	ug/L	96
62) 1,3,5-Trimethylbenzene	10.481	105	191368	4.690	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	188857	4.637	ug/L	96
64) 1,3-Dichlorobenzene	11.124	146	143467	5.264	ug/L	96
65) 1,4-Dichlorobenzene	11.214	146	150931	5.232	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	139345	5.334	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.371	75	9135	4.381	ug/L	95
69) 1,3,5-Trichlorobenzene	12.587	180	102314	5.132	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	78185	4.950	ug/L	98
71) Naphthalene	13.445	128	104046	4.083	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	70606	4.841	ug/L	95

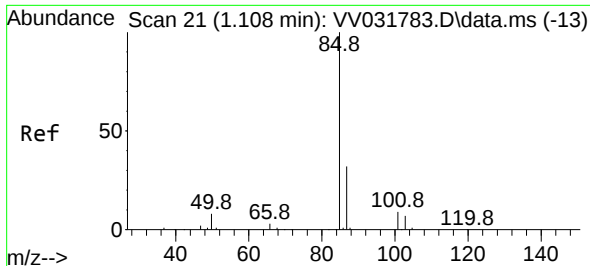
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Instrument :
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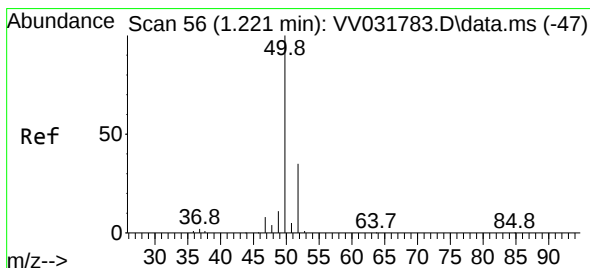
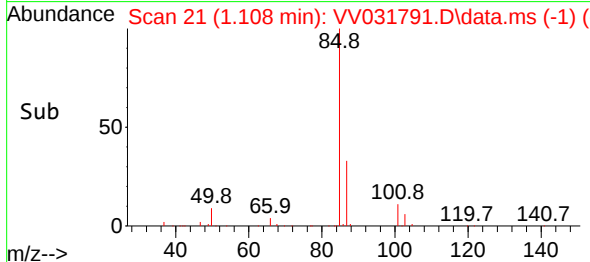
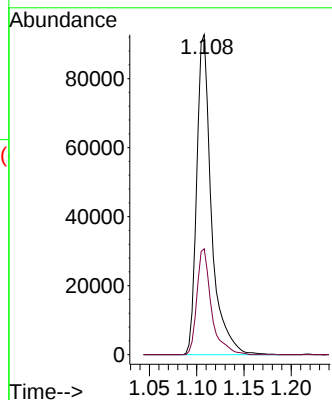
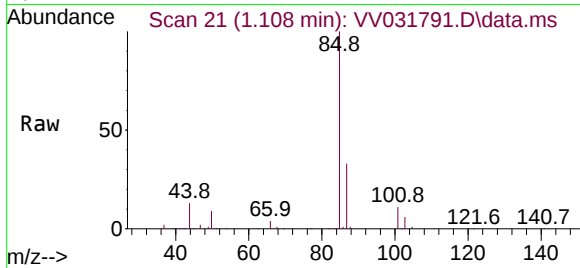




#2
 Dichlorodifluoromethane
 Concen: 5.017 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV031791.D
 Acq: 11 Aug 2023 09:08

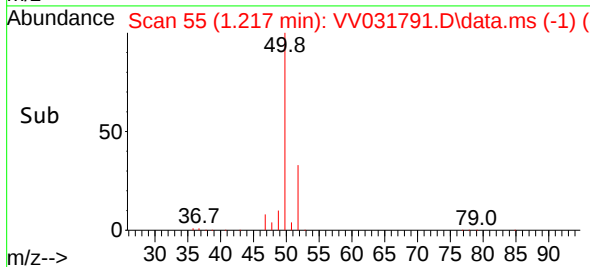
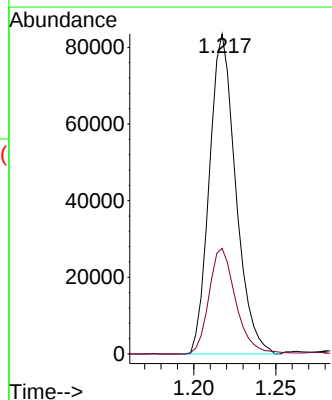
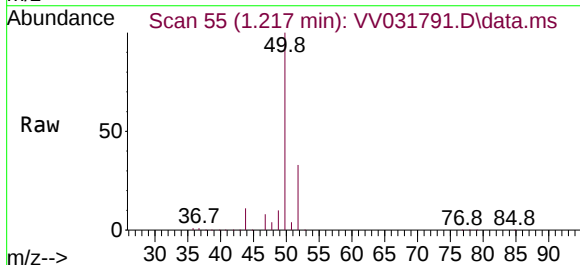
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005374

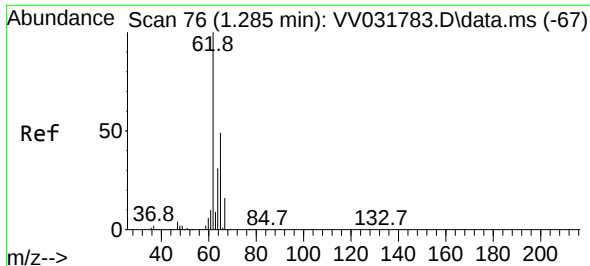
Tgt Ion: 85 Resp: 100305
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.5 38.3



#3
 Chloromethane
 Concen: 4.499 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031791.D
 Acq: 11 Aug 2023 09:08

Tgt Ion: 50 Resp: 93183
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.5 43.7

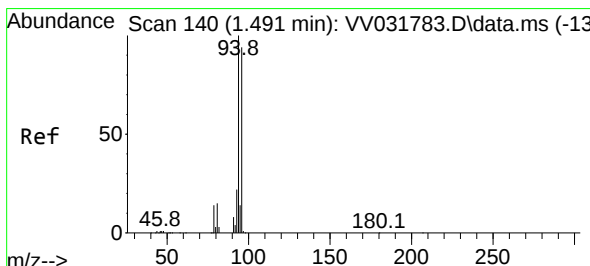
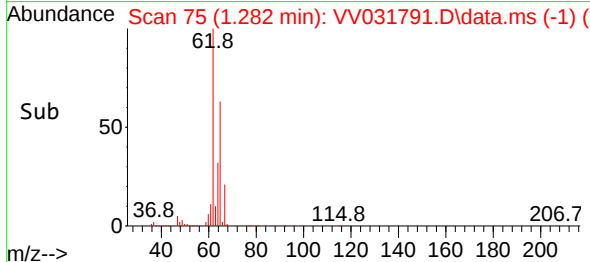
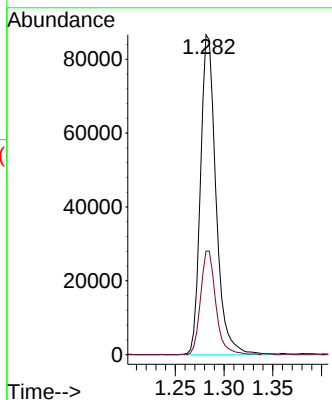
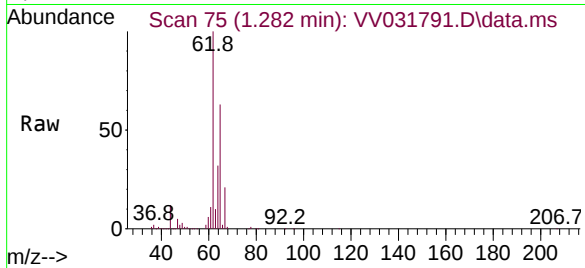




#5
 Vinyl chloride
 Concen: 4.841 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV031791.D
 Acq: 11 Aug 2023 09:08

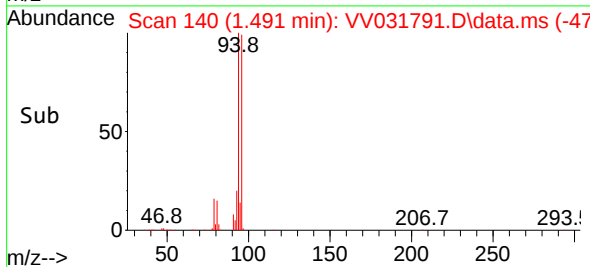
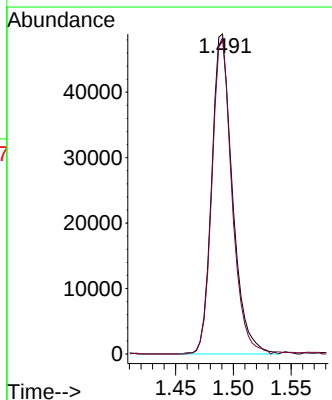
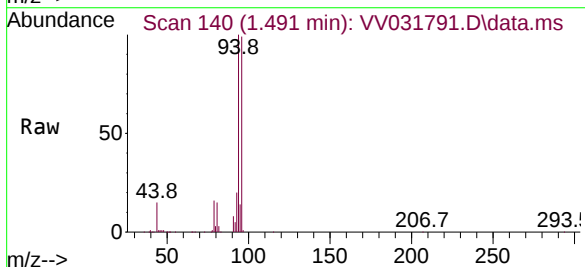
Instrument :
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 ClientSampleId :
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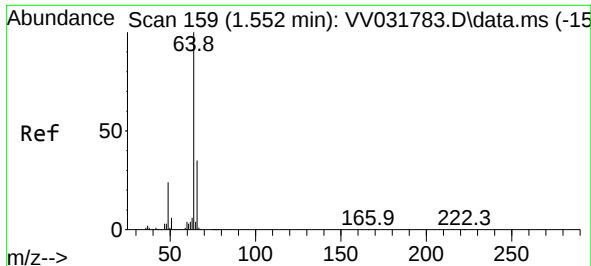
Tgt Ion: 62 Resp: 95811
 Ion Ratio Lower Upper
 62 100
 64 95.4 71.7 133.1



#6
 Bromomethane
 Concen: 5.048 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV031791.D
 Acq: 11 Aug 2023 09:08

Tgt Ion: 94 Resp: 61071
 Ion Ratio Lower Upper
 94 100
 96 99.9 69.4 128.8

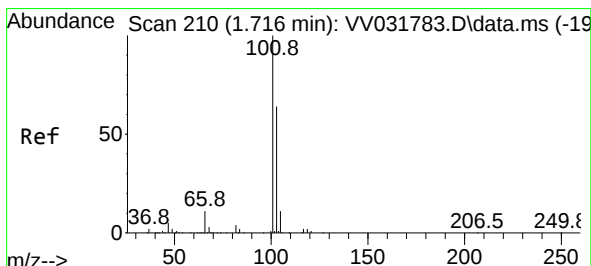
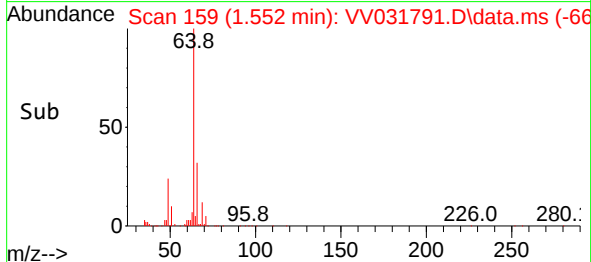
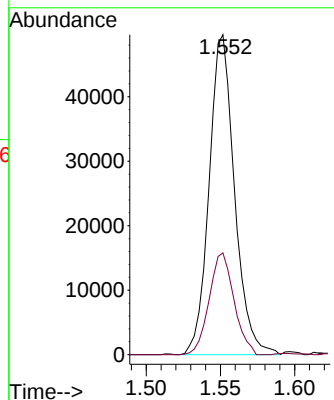
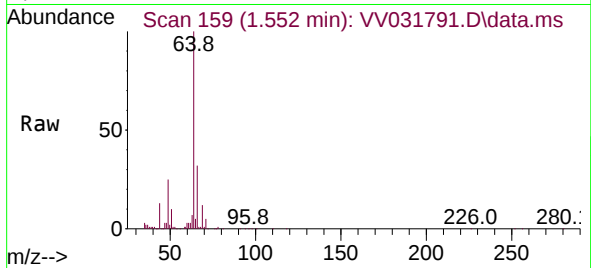




#8
Chloroethane
Concen: 5.139 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

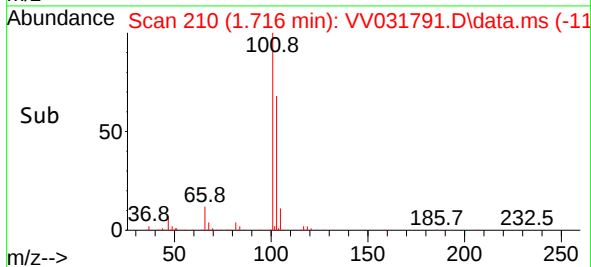
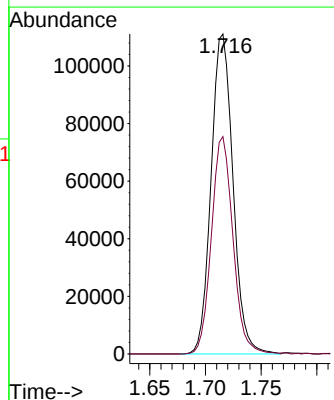
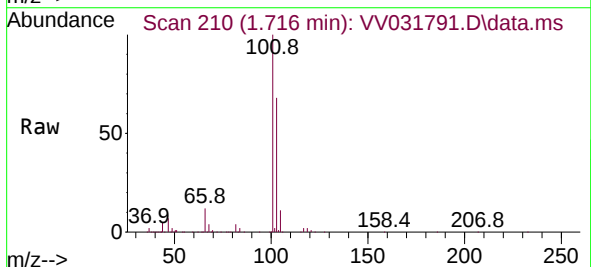
Instrument :
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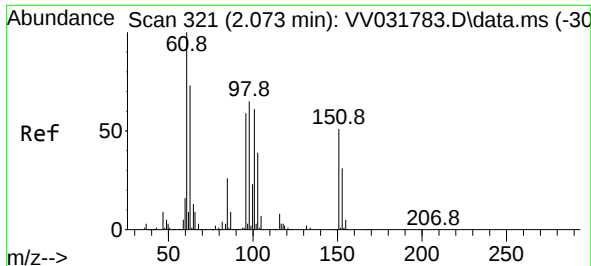
Tgt Ion: 64 Resp: 59014
Ion Ratio Lower Upper
64 100
66 30.3 23.0 42.6



#9
Trichlorofluoromethane
Concen: 5.316 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Tgt Ion: 101 Resp: 151811
Ion Ratio Lower Upper
101 100
103 66.9 51.0 76.6





#10

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

Concen: 5.751 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005374

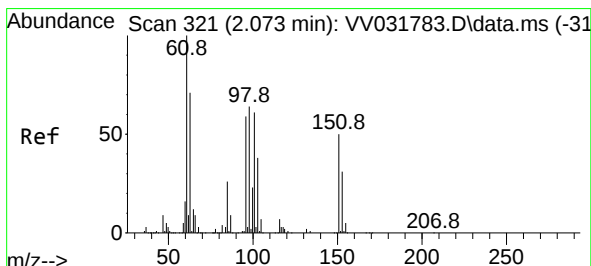
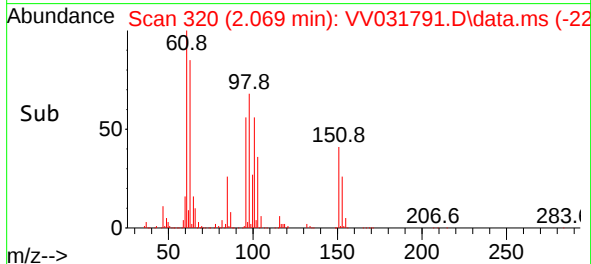
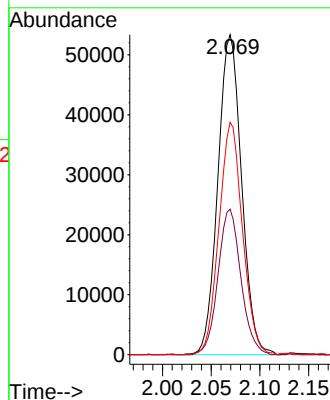
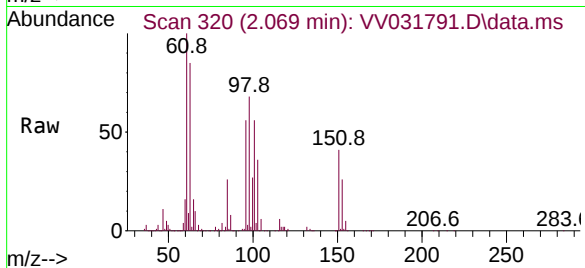
Tgt Ion:101 Resp: 90325

Ion Ratio Lower Upper

101 100

85 44.0 36.2 54.2

151 72.0 56.6 84.8



#12

1,1-Dichloroethene

Concen: 5.332 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

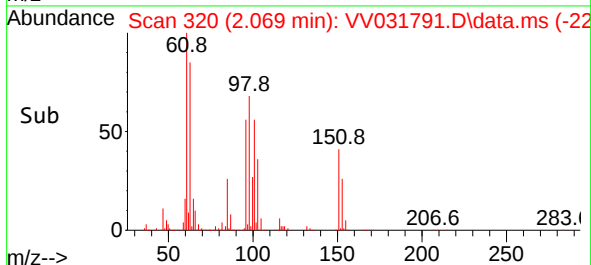
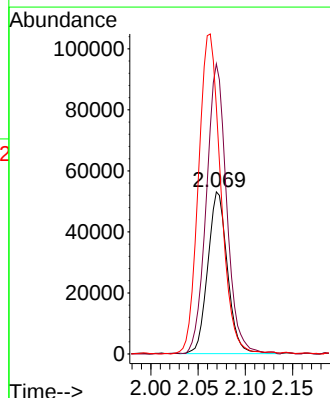
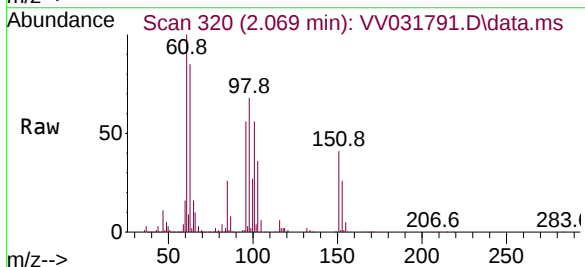
Tgt Ion: 96 Resp: 76569

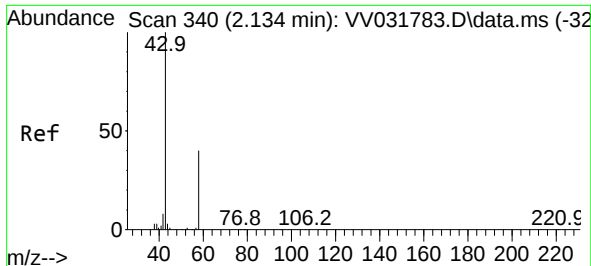
Ion Ratio Lower Upper

96 100

61 179.0 131.3 243.9

63 152.6 112.6 209.2





#13

Acetone

Concen: 50.726 ug/L

RT: 2.153 min Scan# 34

Delta R.T. 0.010 min

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ClientSampleId :

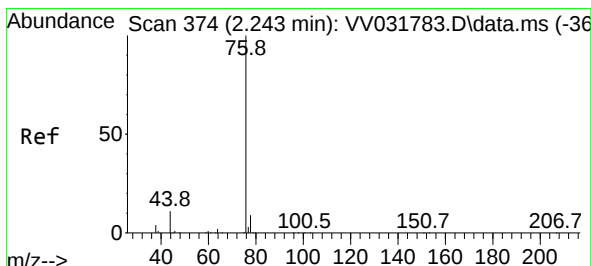
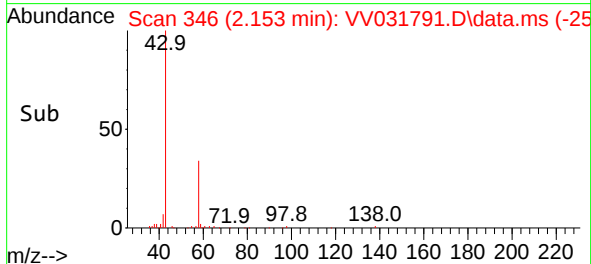
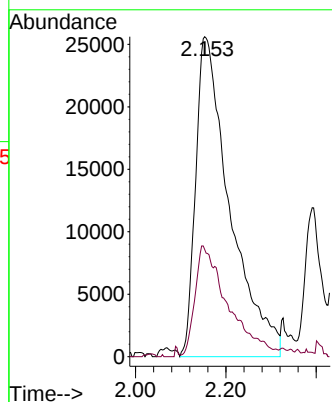
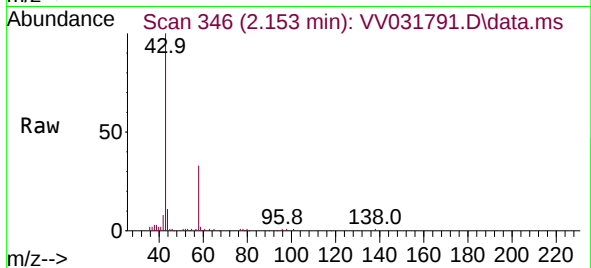
VSTD005374

Tgt Ion: 43 Resp: 134403

Ion Ratio Lower Upper

43 100

58 32.8 0.0 64.6



#14

Carbon disulfide

Concen: 4.665 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV031791.D

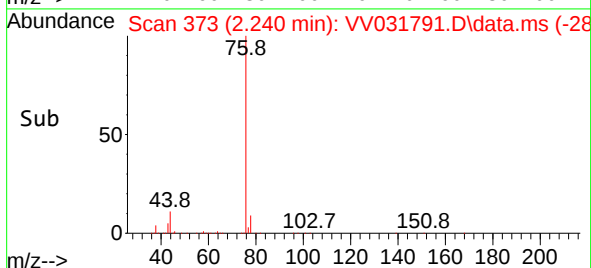
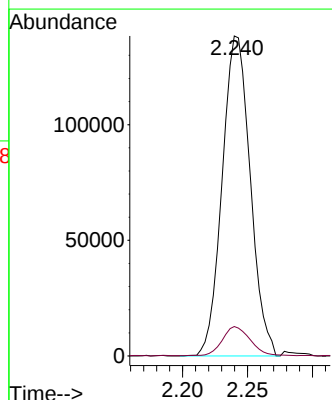
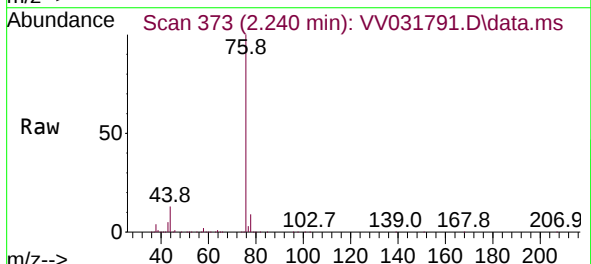
Acq: 11 Aug 2023 09:08

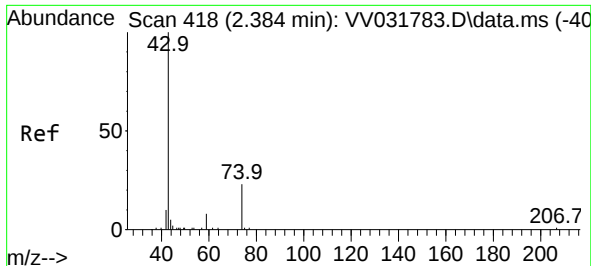
Tgt Ion: 76 Resp: 207966

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

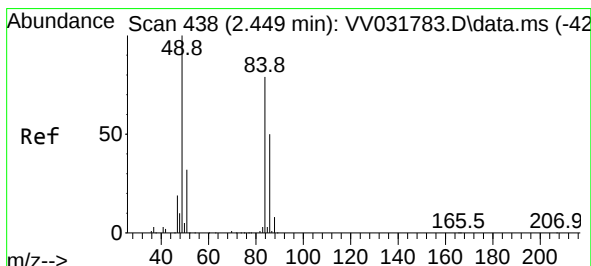
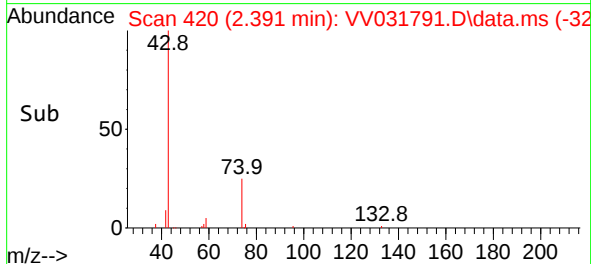
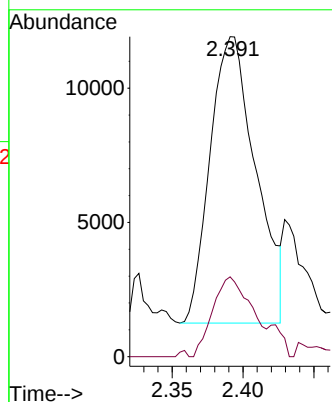
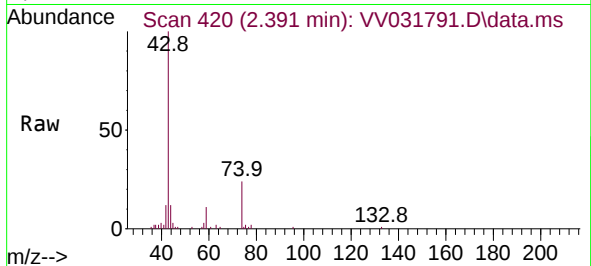




#15
Methyl Acetate
Concen: 4.228 ug/L
RT: 2.391 min Scan# 418
Delta R.T. 0.003 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

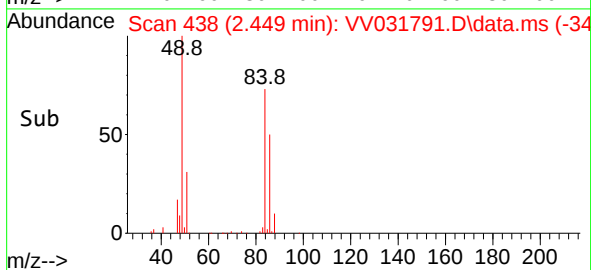
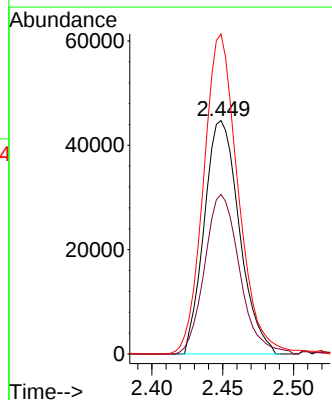
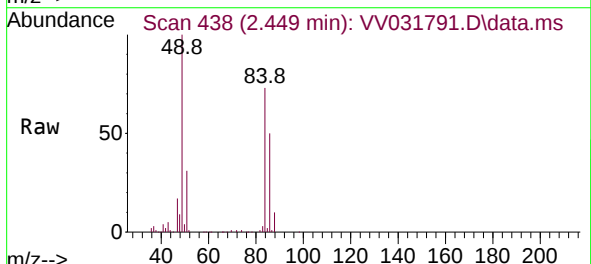
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

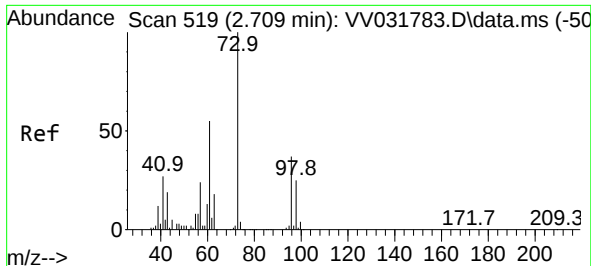
Tgt Ion: 43 Resp: 23963
Ion Ratio Lower Upper
43 100
74 23.7 18.0 27.0



#16
Methylene chloride
Concen: 4.030 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Tgt Ion: 84 Resp: 76914
Ion Ratio Lower Upper
84 100
86 70.0 46.3 86.1
49 142.2 101.8 189.0

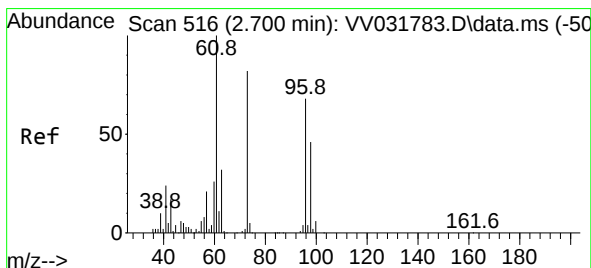
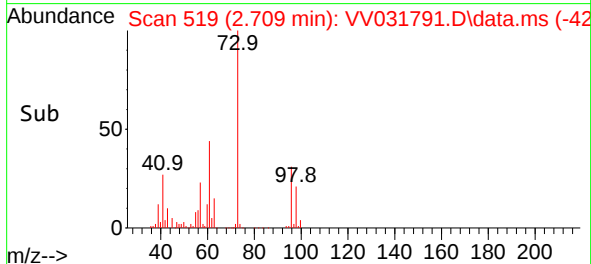
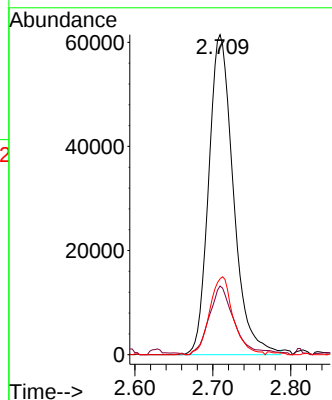
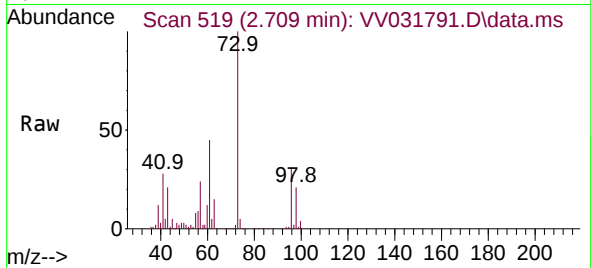




#17
Methyl tert-butyl Ether
Concen: 5.128 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

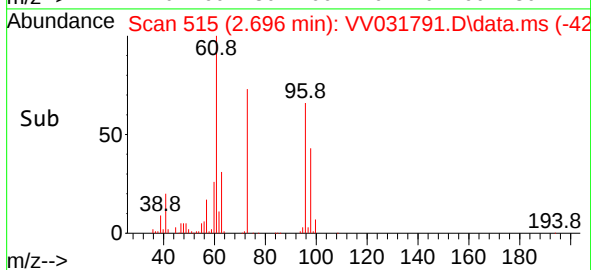
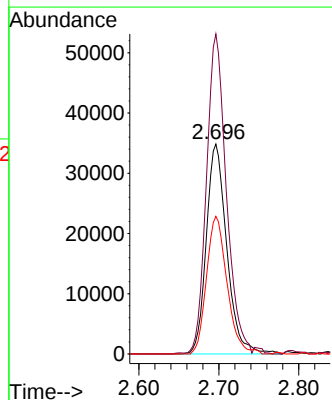
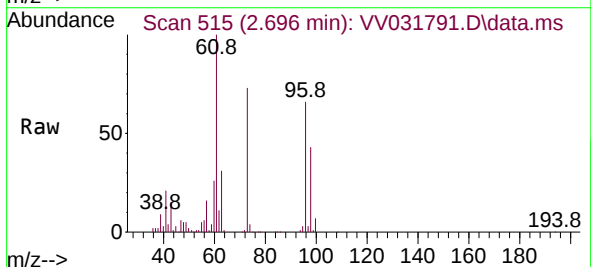
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

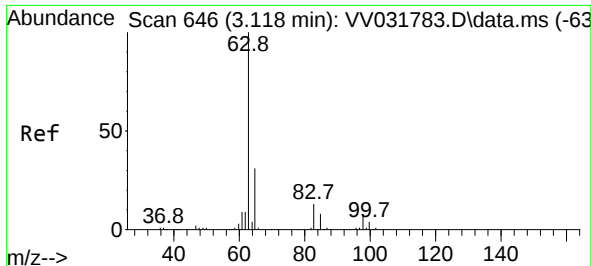
Tgt Ion: 73 Resp: 135331
Ion Ratio Lower Upper
73 100
43 22.2 18.1 27.1
57 23.3 19.6 29.4



#18
trans-1,2-Dichloroethene
Concen: 5.008 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Tgt Ion: 96 Resp: 62184
Ion Ratio Lower Upper
96 100
61 152.5 105.5 195.9
98 65.5 45.4 84.2





#19

1,1-Dichloroethane

Concen: 5.220 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005374

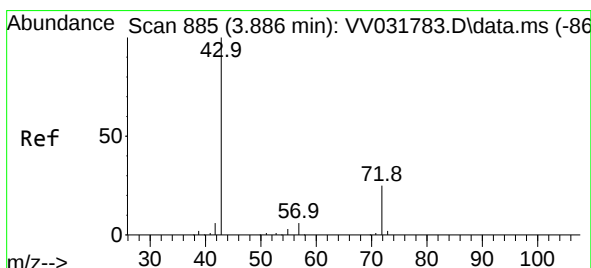
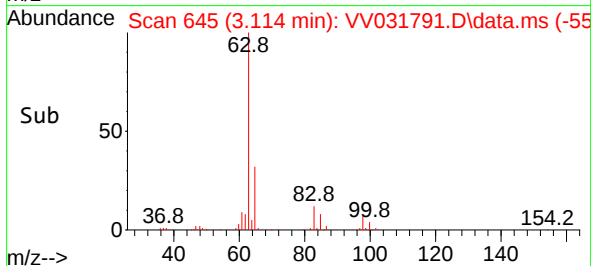
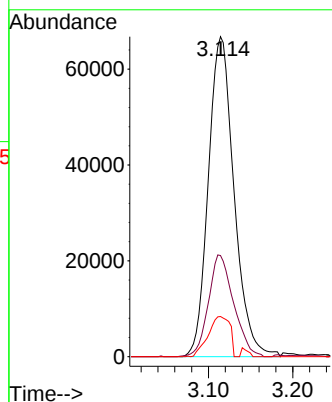
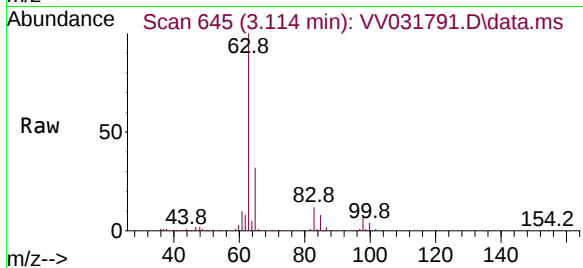
Tgt Ion: 63 Resp: 141743

Ion Ratio Lower Upper

63 100

65 30.9 23.4 43.6

83 11.9 9.4 17.4



#21

2-Butanone

Concen: 47.098 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.010 min

Lab File: VV031791.D

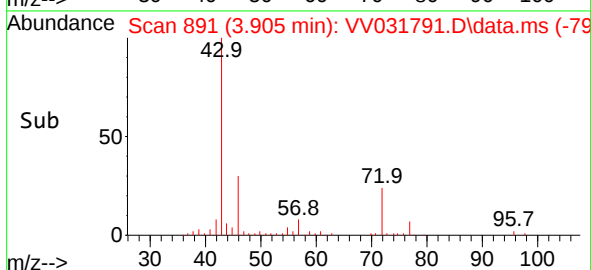
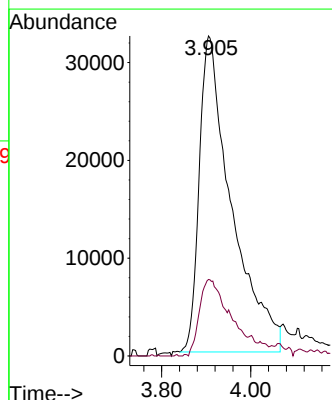
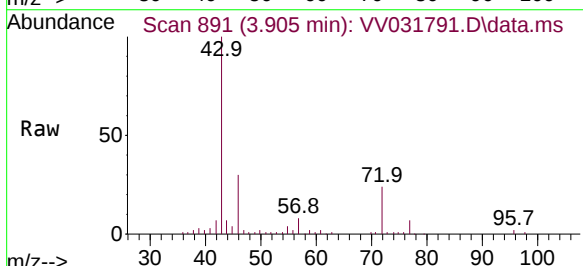
Acq: 11 Aug 2023 09:08

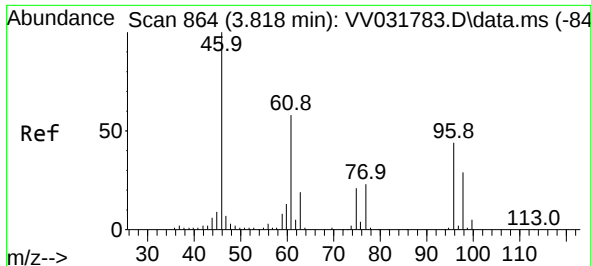
Tgt Ion: 43 Resp: 162429

Ion Ratio Lower Upper

43 100

72 22.1 9.2 27.4

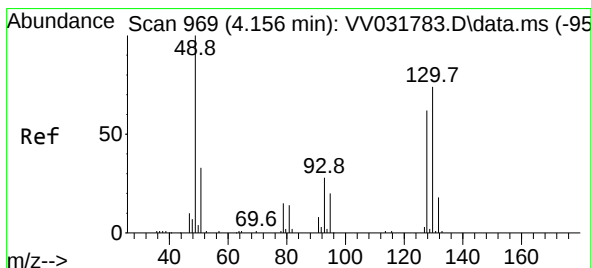
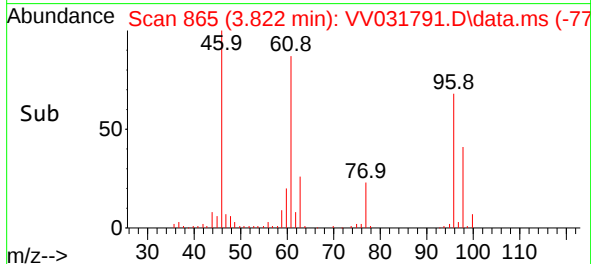
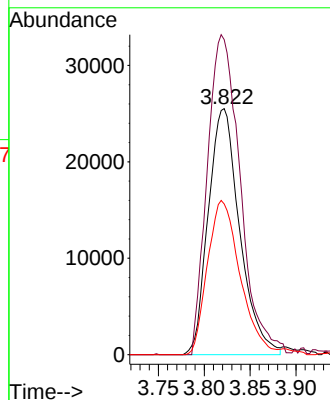
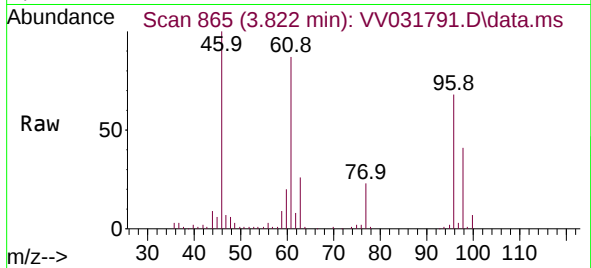




#22
 cis-1,2-Dichloroethene
 Concen: 4.956 ug/L
 RT: 3.822 min Scan# 865
 Delta R.T. 0.003 min
 Lab File: VV031791.D
 Acq: 11 Aug 2023 09:08

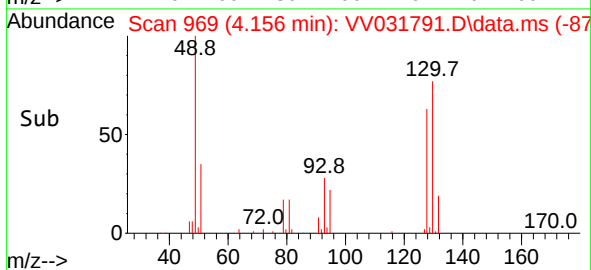
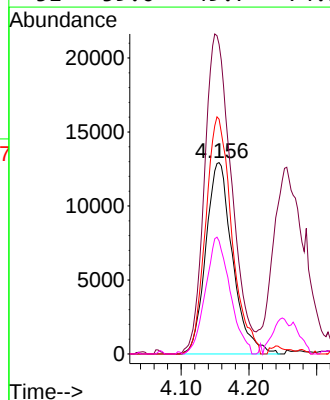
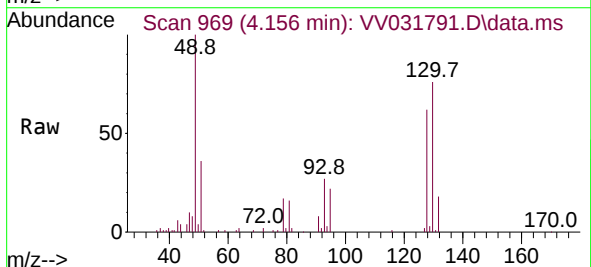
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005374

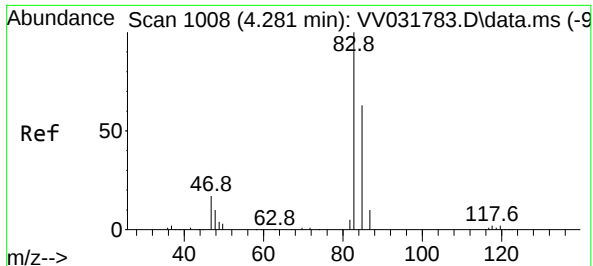
Tgt Ion: 96 Resp: 60839
 Ion Ratio Lower Upper
 96 100
 61 128.0 99.4 184.6
 98 63.2 45.1 83.7



#23
 Bromochloromethane
 Concen: 5.726 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. -0.000 min
 Lab File: VV031791.D
 Acq: 11 Aug 2023 09:08

Tgt Ion:128 Resp: 35398
 Ion Ratio Lower Upper
 128 100
 49 168.5 136.1 252.7
 130 122.7 91.3 169.5
 51 59.0 49.7 74.5





#25

Chloroform

Concen: 5.674 ug/L

RT: 4.278 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

Instrument :

MSVOA_V

ClientSampleId :

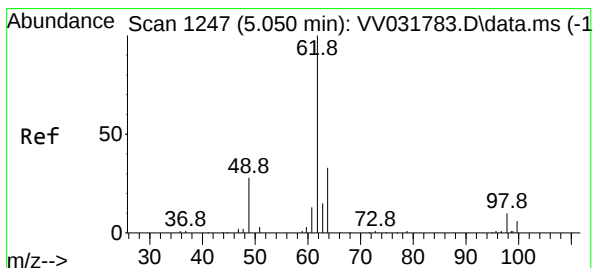
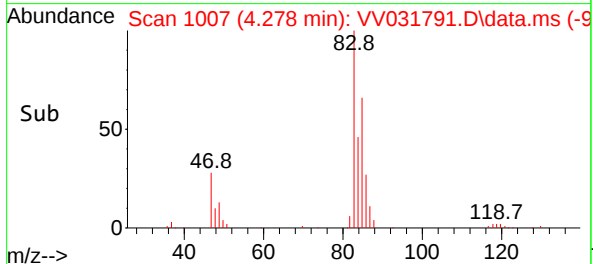
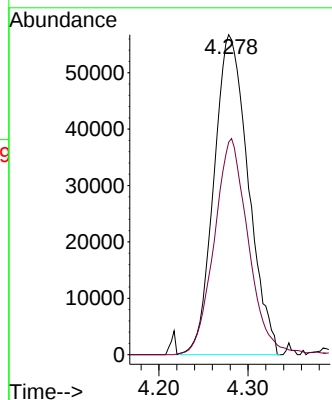
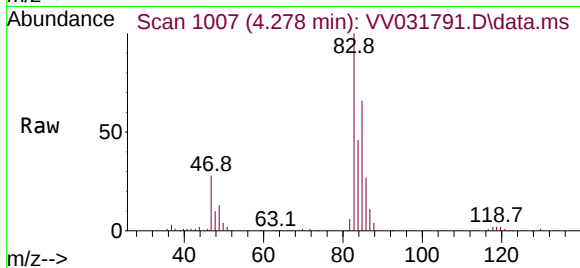
VSTD005374

Tgt Ion: 83 Resp: 151519

Ion Ratio Lower Upper

83 100

85 66.4 44.9 83.5



#27

1,2-Dichloroethane

Concen: 5.186 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031791.D

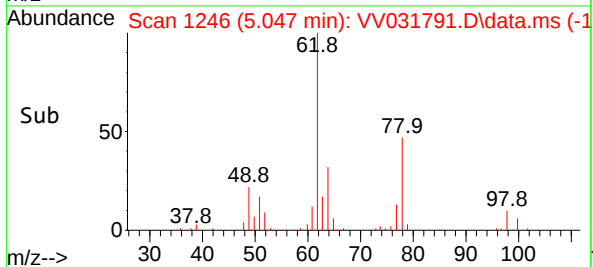
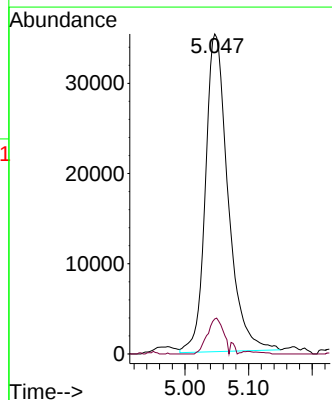
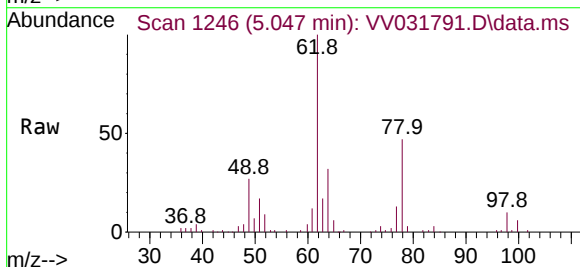
Acq: 11 Aug 2023 09:08

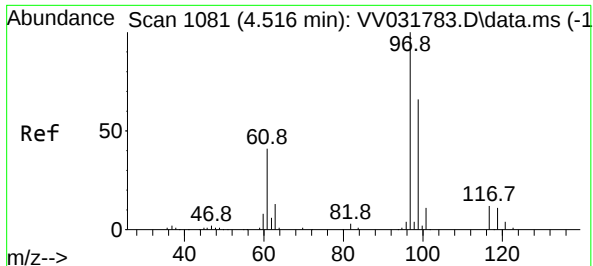
Tgt Ion: 62 Resp: 87106

Ion Ratio Lower Upper

62 100

98 11.0 7.0 10.4#





#29

1,1,1-Trichloroethane

Concen: 5.179 ug/L

RT: 4.516 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005374

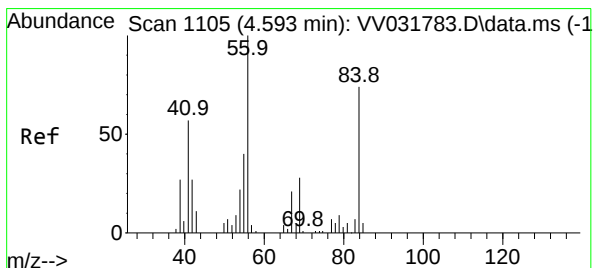
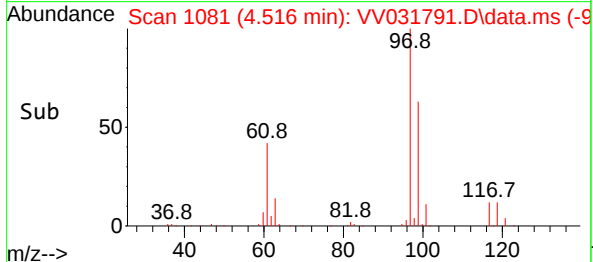
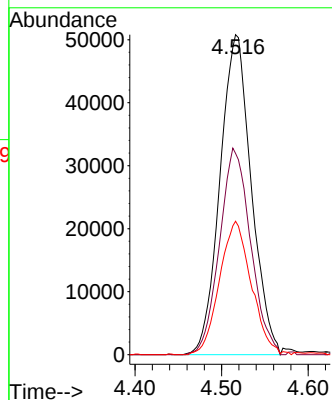
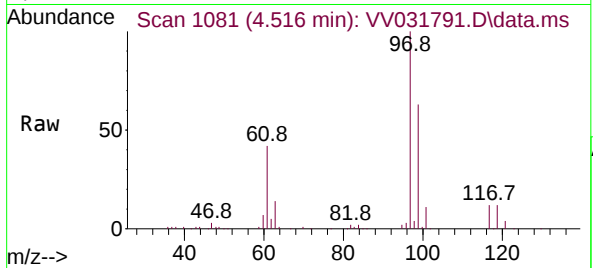
Tgt Ion: 97 Resp: 127322

Ion Ratio Lower Upper

97 100

99 64.3 50.4 75.6

61 42.5 35.6 53.4



#30

Cyclohexane

Concen: 4.593 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

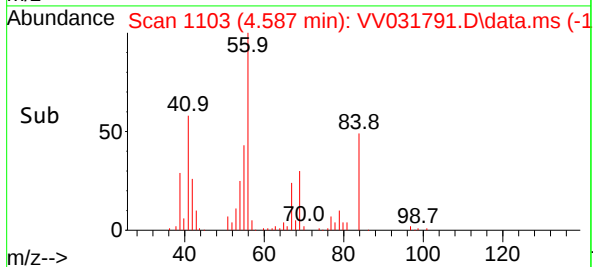
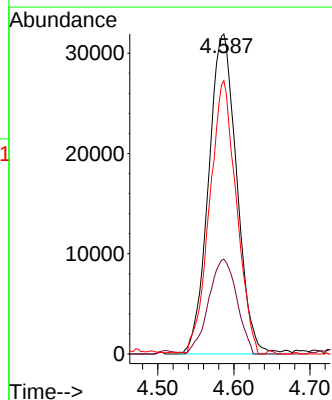
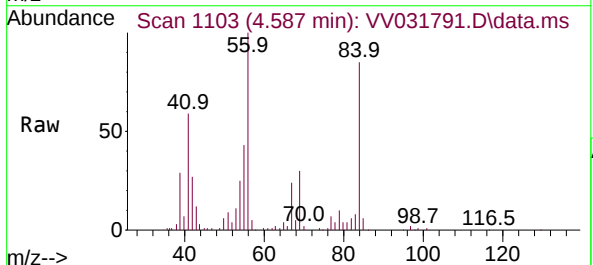
Tgt Ion: 56 Resp: 82115

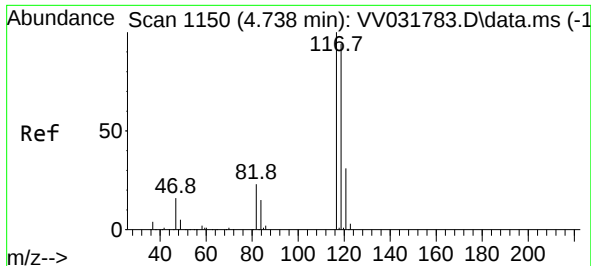
Ion Ratio Lower Upper

56 100

69 29.6 22.9 34.3

84 81.2 62.7 94.1

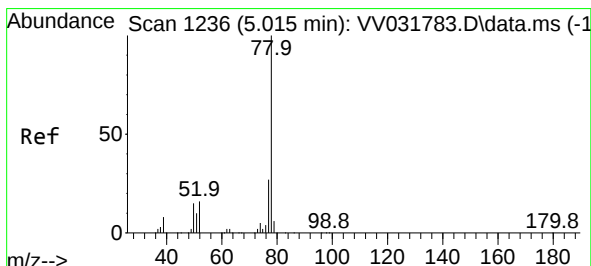
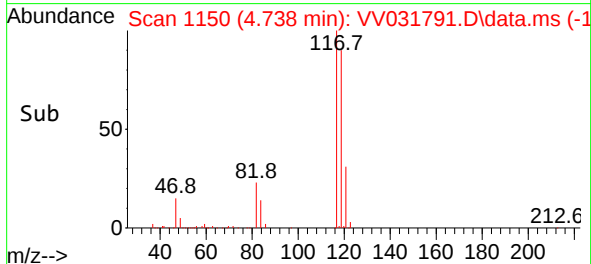
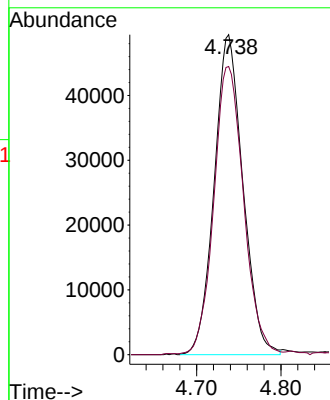
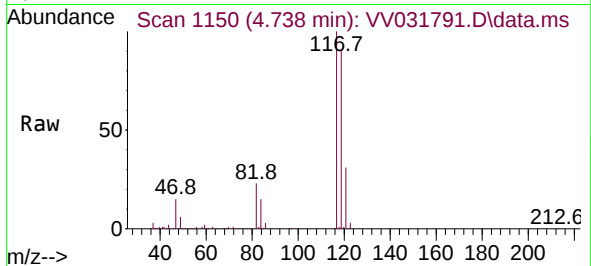




#31
Carbon tetrachloride
Concen: 5.389 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

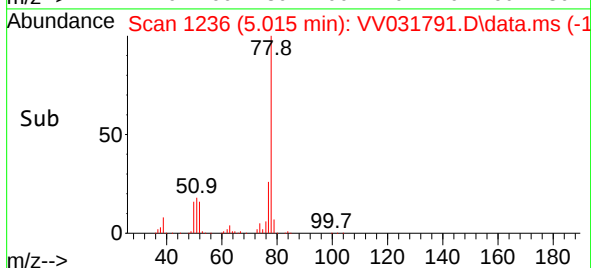
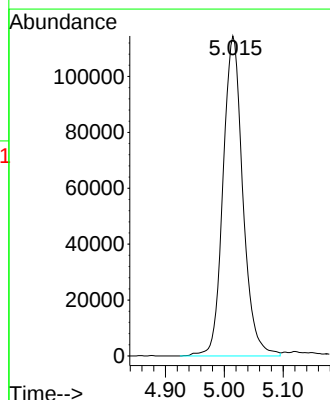
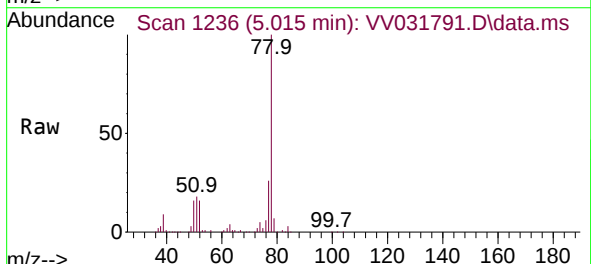
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

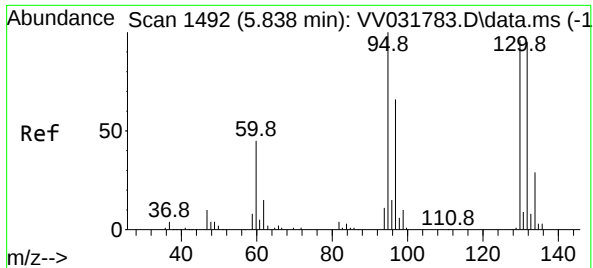
Tgt Ion:117 Resp: 116890
Ion Ratio Lower Upper
117 100
119 92.6 76.1 114.1



#33
Benzene
Concen: 5.189 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Tgt Ion: 78 Resp: 268297



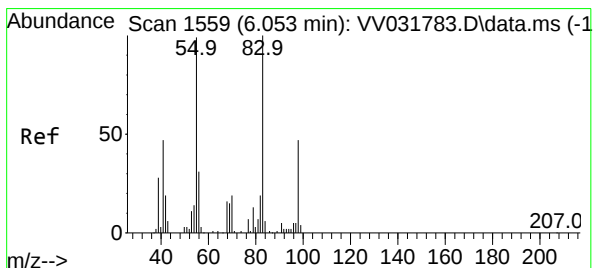
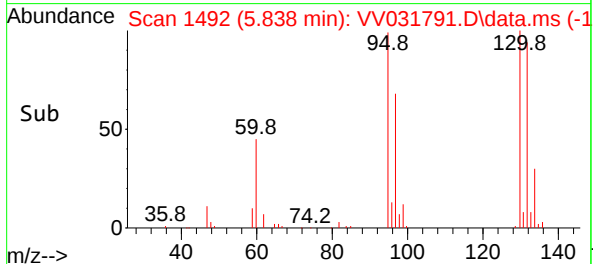
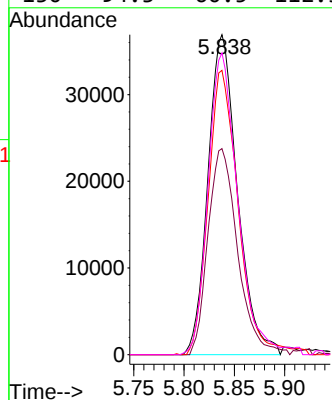
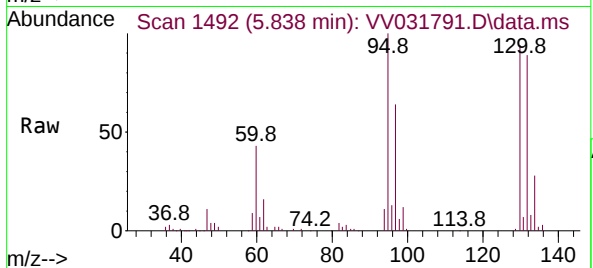


#34
Trichloroethene
Concen: 5.134 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

Tgt Ion: 95 Resp: 75318

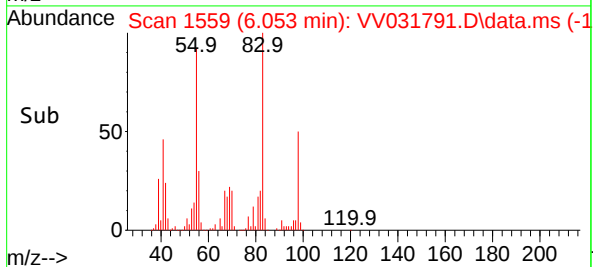
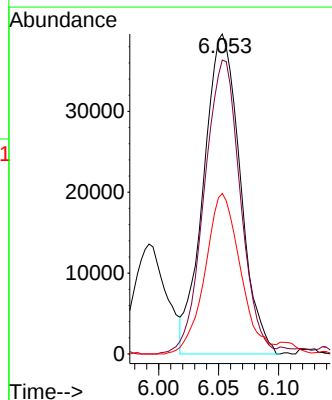
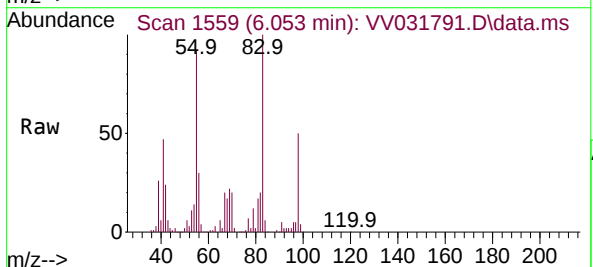
Ion	Ratio	Lower	Upper
95	100		
97	64.4	43.3	80.5
132	88.9	58.3	108.3
130	94.3	60.5	112.5

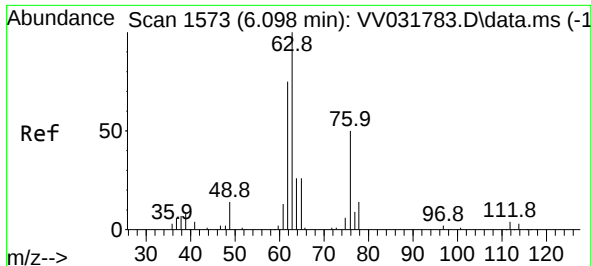


#35
Methylcyclohexane
Concen: 4.607 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Tgt Ion: 83 Resp: 83877

Ion	Ratio	Lower	Upper
83	100		
55	90.5	73.8	110.6
98	48.7	35.1	52.7





#37

1,2-Dichloropropane

Concen: 5.066 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

Instrument :

MSVOA_V

ClientSampleId :

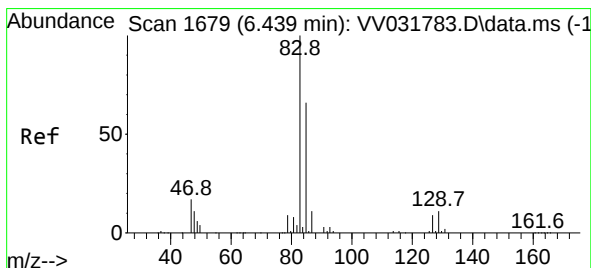
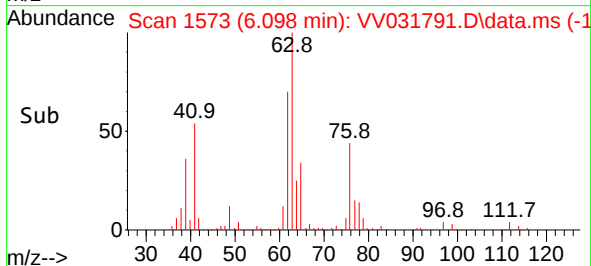
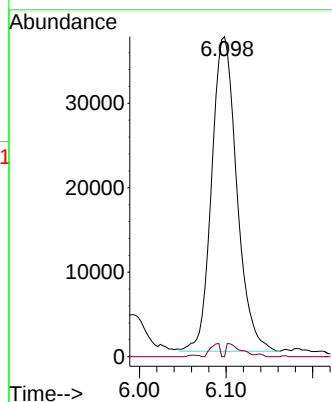
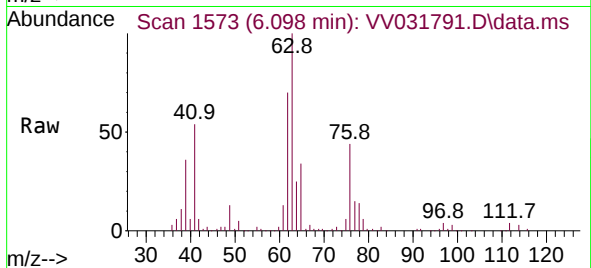
VSTD005374

Tgt Ion: 63 Resp: 75190

Ion Ratio Lower Upper

63 100

112 2.4 1.4 2.2#



#38

Bromodichloromethane

Concen: 5.149 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.003 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

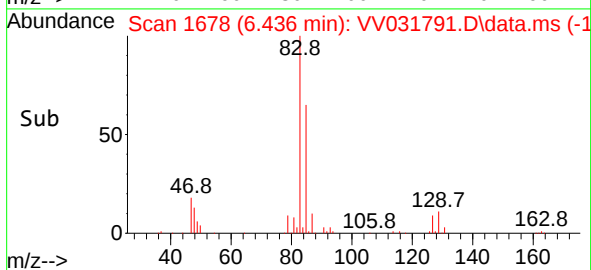
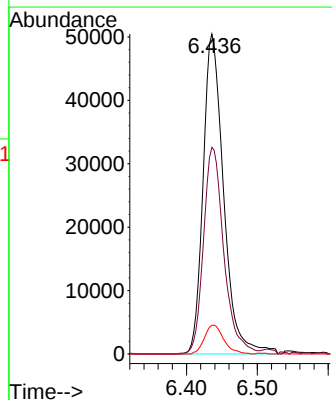
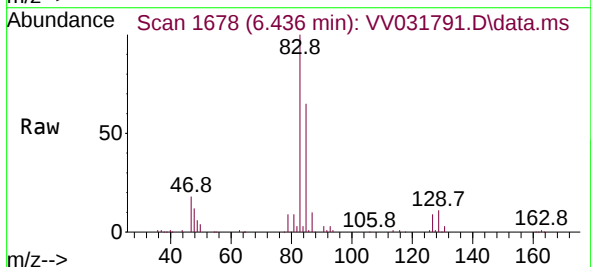
Tgt Ion: 83 Resp: 101466

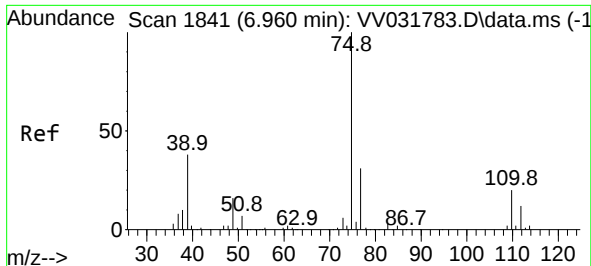
Ion Ratio Lower Upper

83 100

85 65.7 45.5 84.5

127 10.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.886 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

Instrument :

MSVOA_V

ClientSampleId :

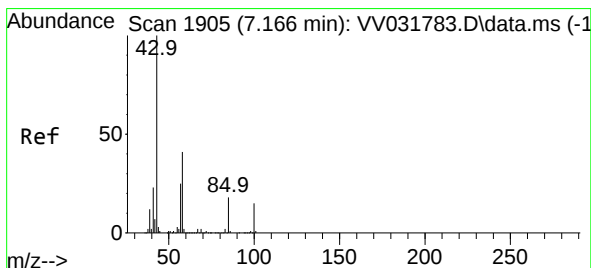
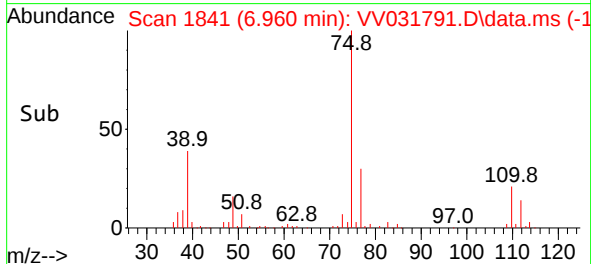
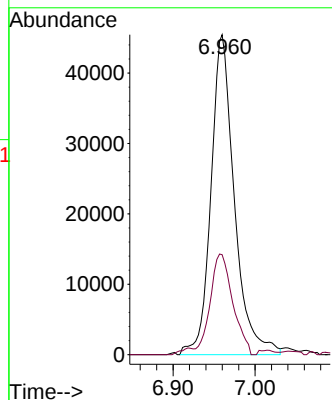
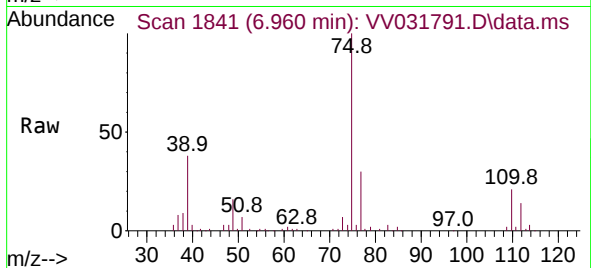
VSTD005374

Tgt Ion: 75 Resp: 90270

Ion Ratio Lower Upper

75 100

77 31.2 23.0 42.6



#40

4-Methyl-2-pentanone

Concen: 51.067 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

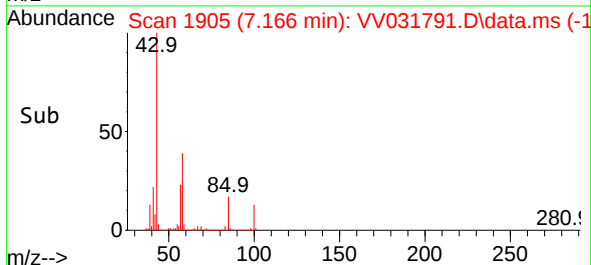
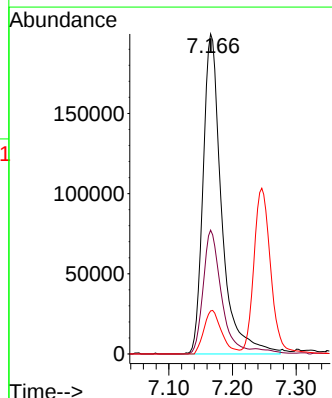
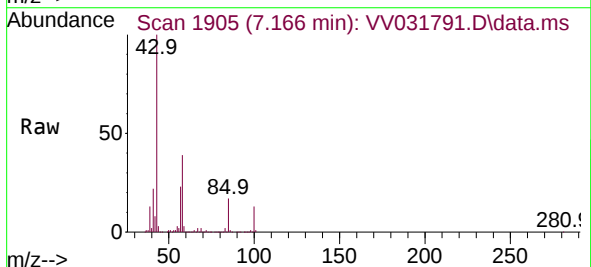
Tgt Ion: 43 Resp: 405134

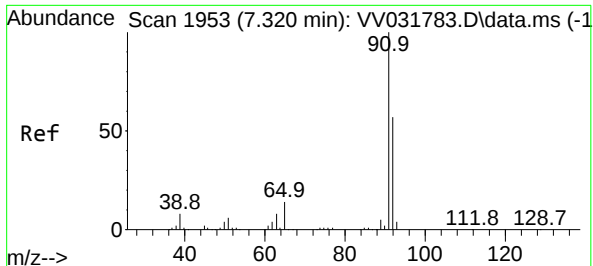
Ion Ratio Lower Upper

43 100

58 37.6 30.3 45.5

100 13.0 9.7 14.5





#42

Toluene

Concen: 5.736 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

Instrument :

MSVOA_V

ClientSampleId :

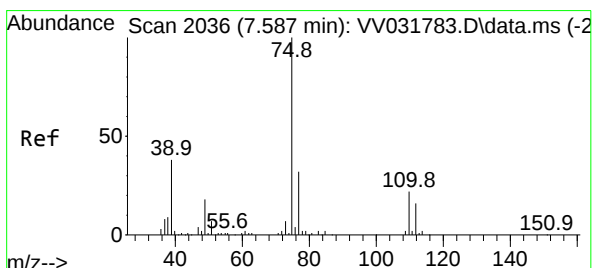
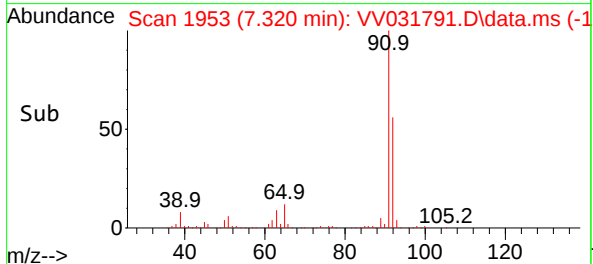
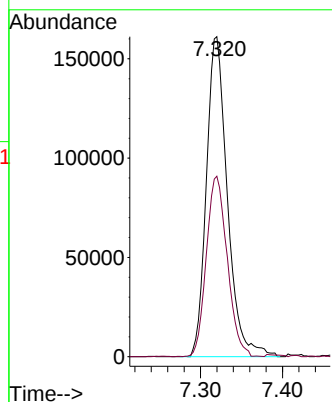
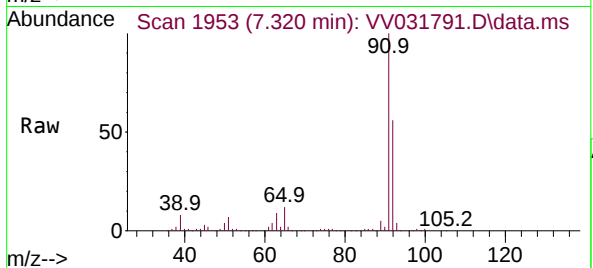
VSTD005374

Tgt Ion: 91 Resp: 286441

Ion Ratio Lower Upper

91 100

92 56.4 38.1 70.7



#44

trans-1,3-Dichloropropene

Concen: 5.080 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031791.D

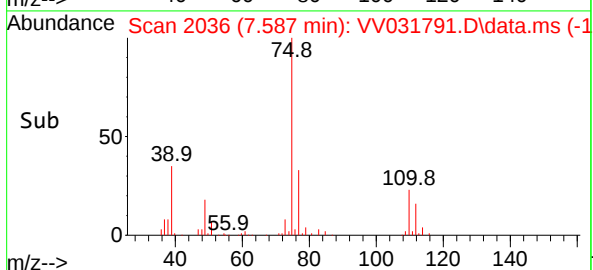
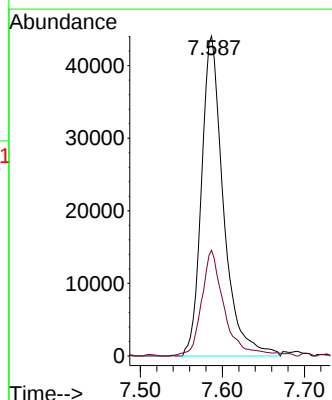
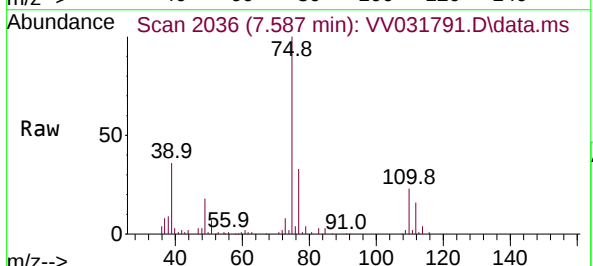
Acq: 11 Aug 2023 09:08

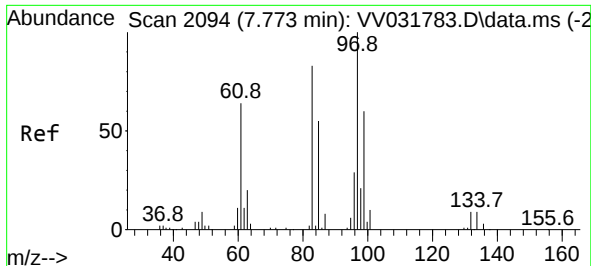
Tgt Ion: 75 Resp: 81869

Ion Ratio Lower Upper

75 100

77 33.0 21.7 40.3



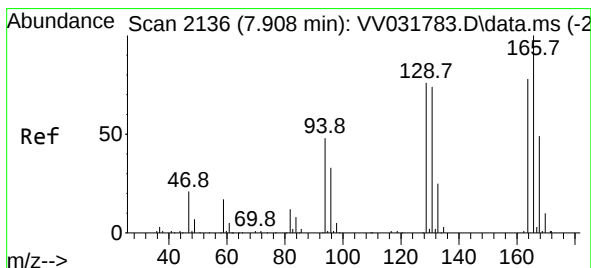
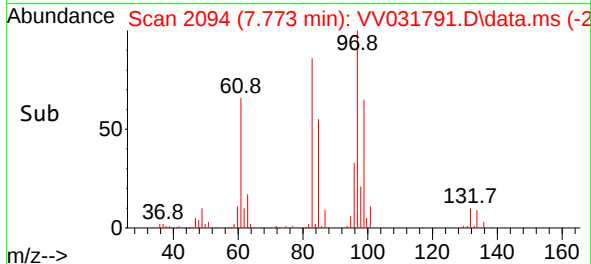
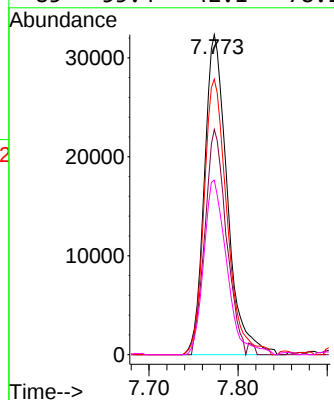
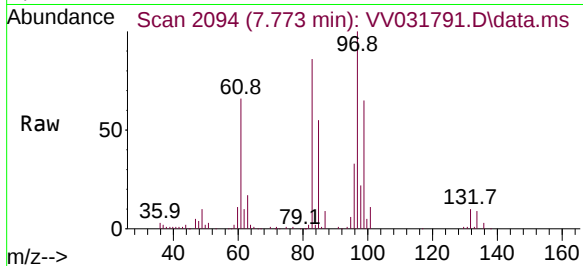


#45
1,1,2-Trichloroethane
Concen: 5.240 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

Tgt Ion: 97 Resp: 57781

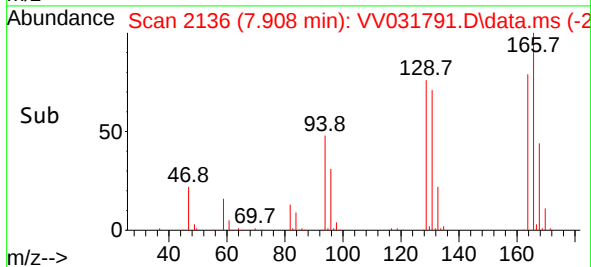
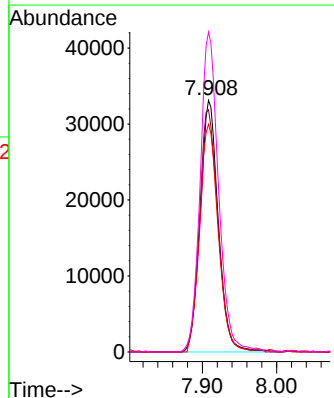
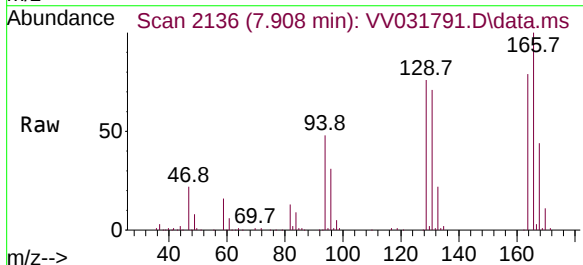
Ion	Ratio	Lower	Upper
97	100		
99	70.4	40.9	76.0
83	86.1	59.7	110.9
85	55.4	42.1	78.1

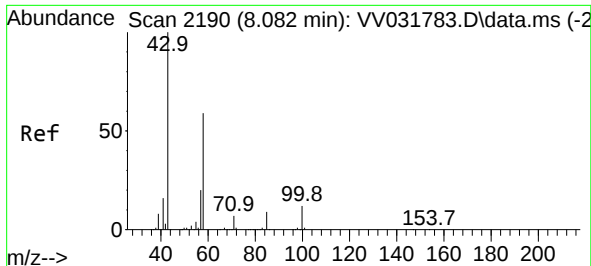


#47
Tetrachloroethene
Concen: 5.544 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Tgt Ion: 164 Resp: 56152

Ion	Ratio	Lower	Upper
164	100		
129	96.2	70.5	130.9
131	90.5	64.0	118.8
166	127.1	89.9	166.9

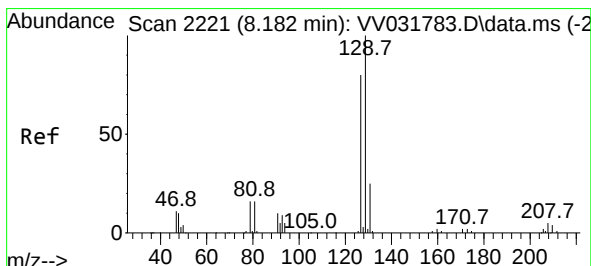
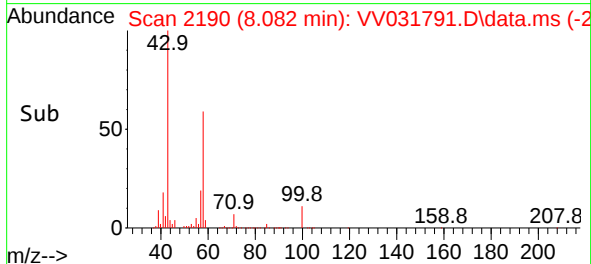
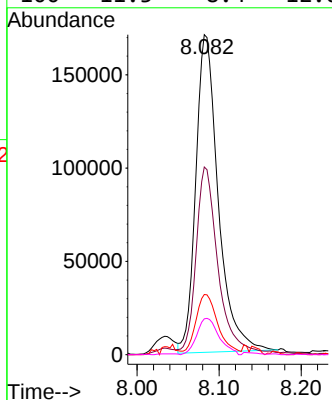
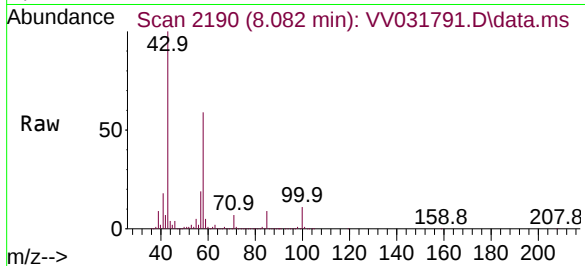




#48
2-Hexanone
Concen: 55.760 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

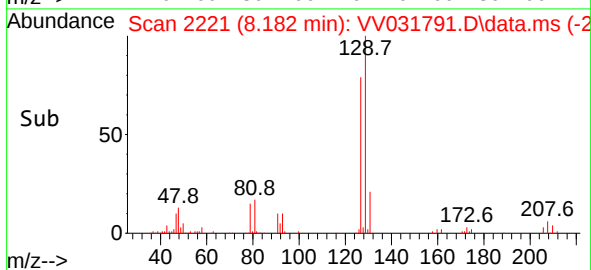
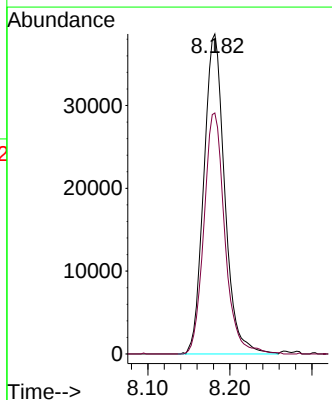
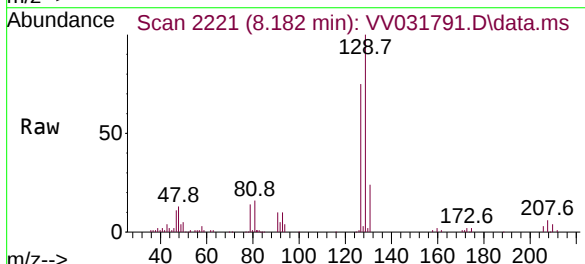
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

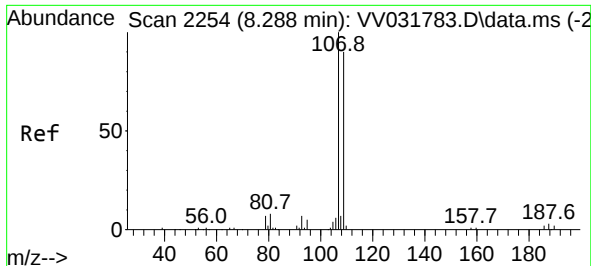
Tgt Ion:	43	Resp:	324144
Ion	Ratio	Lower	Upper
43	100		
58	57.1	42.6	64.0
57	18.8	14.6	21.8
100	11.3	8.4	12.6



#49
Dibromochloromethane
Concen: 5.770 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Tgt Ion:	129	Resp:	68342
Ion	Ratio	Lower	Upper
129	100		
127	75.3	51.7	96.1





#50

1,2-Dibromoethane

Concen: 5.229 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005374

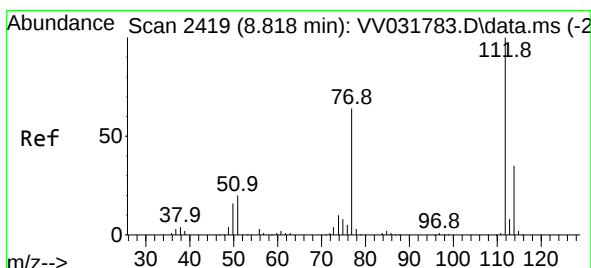
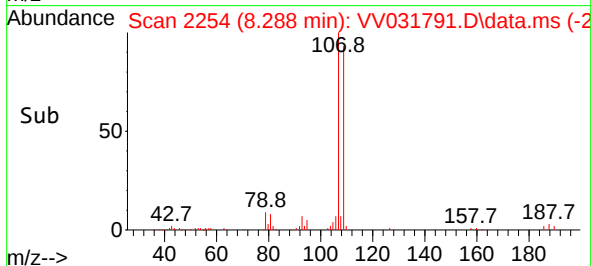
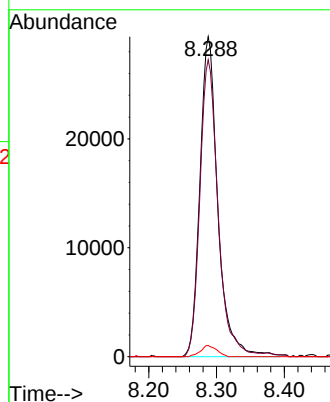
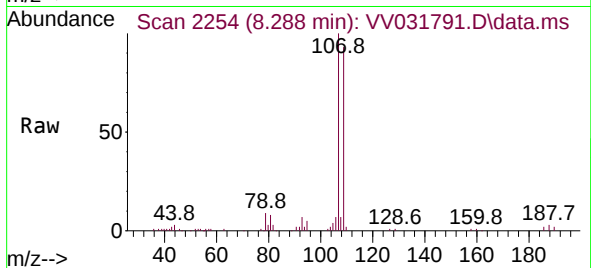
Tgt Ion:107 Resp: 53918

Ion Ratio Lower Upper

107 100

109 92.8 67.6 125.6

188 3.5 3.0 4.6



#51

Chlorobenzene

Concen: 5.276 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

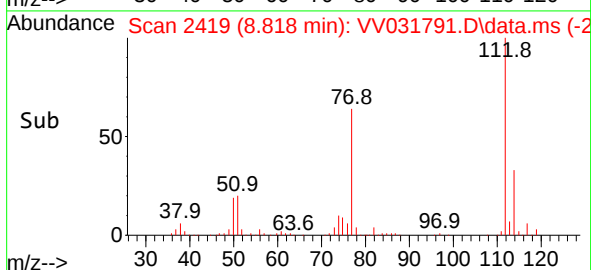
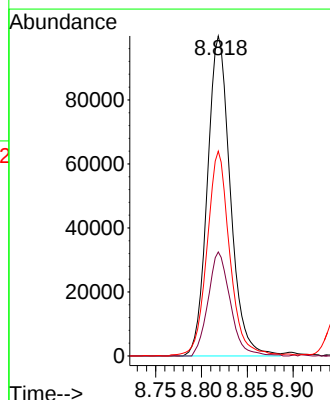
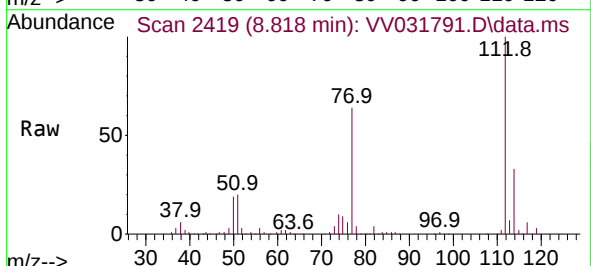
Tgt Ion:112 Resp: 173766

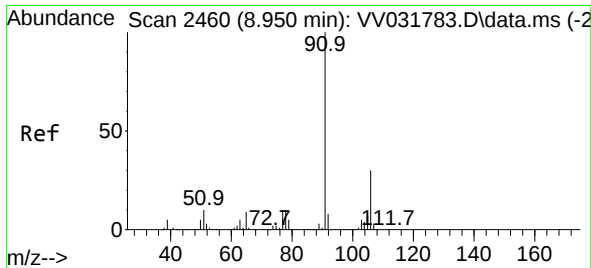
Ion Ratio Lower Upper

112 100

114 30.4 21.6 40.2

77 59.8 54.2 81.4

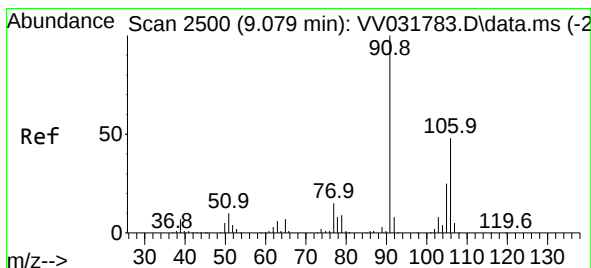
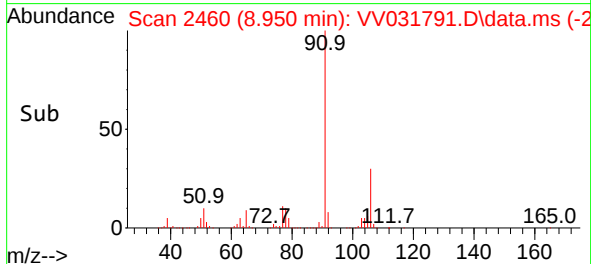
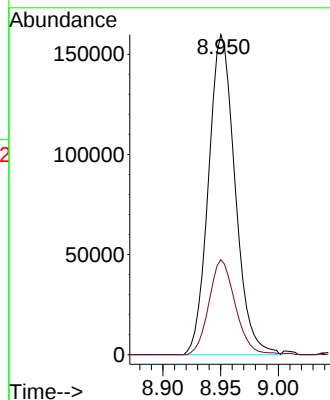
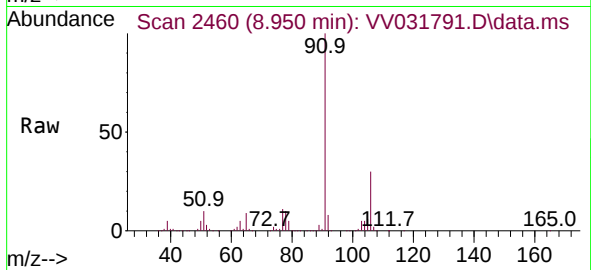




#52
Ethylbenzene
Concen: 5.165 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

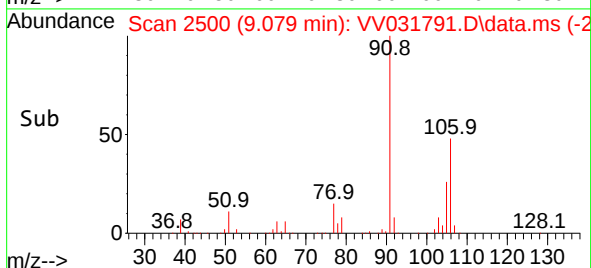
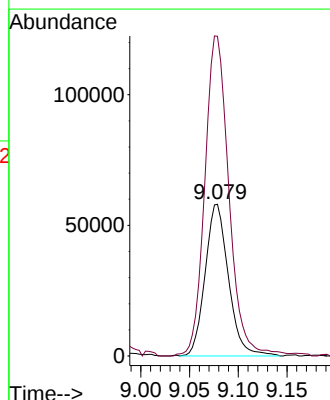
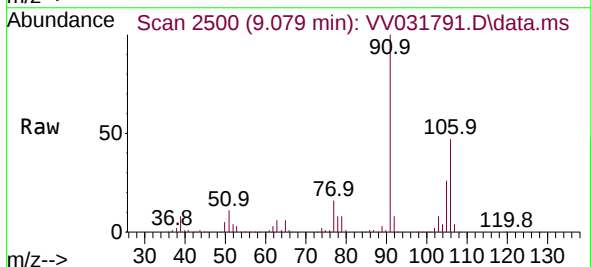
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

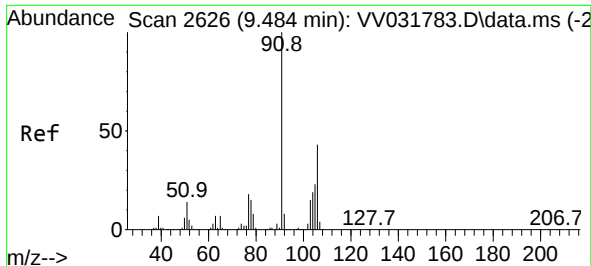
Tgt Ion: 91 Resp: 255718
Ion Ratio Lower Upper
91 100
106 29.7 21.2 39.4



#53
m,p-Xylene
Concen: 5.292 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Tgt Ion: 106 Resp: 96840
Ion Ratio Lower Upper
106 100
91 210.7 149.9 278.3

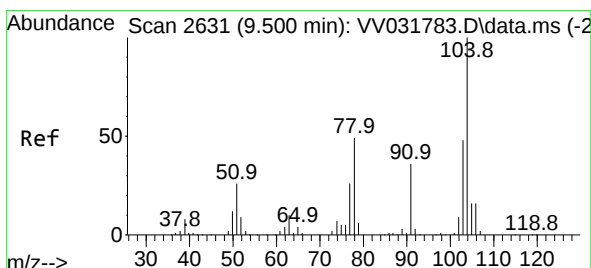
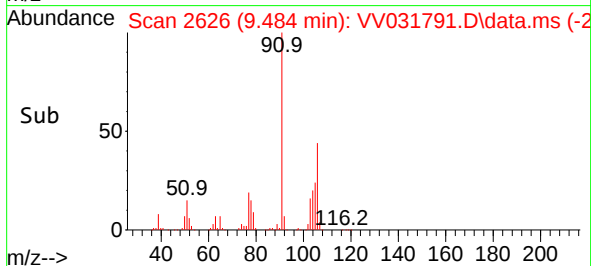
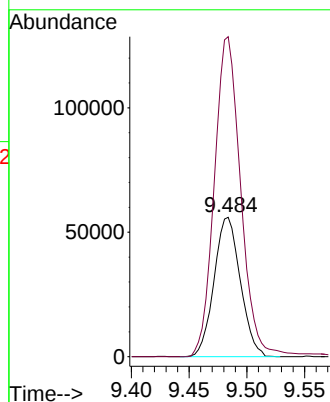
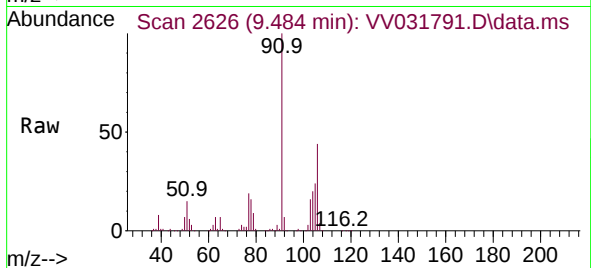




#54
o-Xylene
Concen: 5.223 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

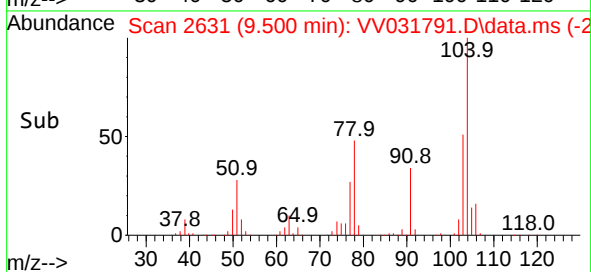
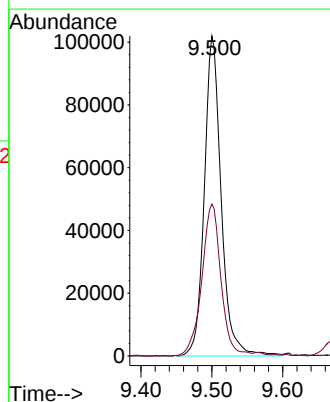
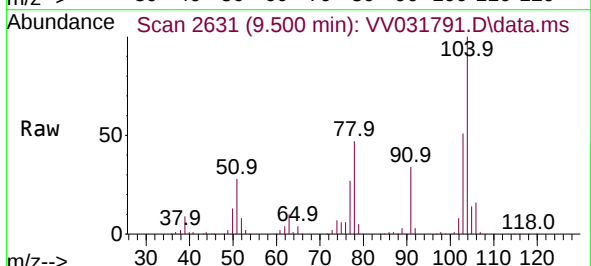
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

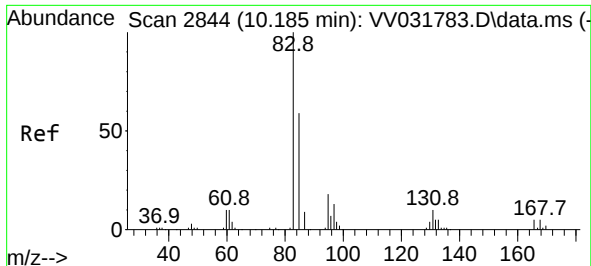
Tgt Ion:106 Resp: 88658
Ion Ratio Lower Upper
106 100
91 229.6 166.7 309.5



#55
Styrene
Concen: 5.267 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.003 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Tgt Ion:104 Resp: 168682
Ion Ratio Lower Upper
104 100
78 47.4 35.3 65.5





#57

1,1,2,2-Tetrachloroethane

Concen: 4.742 ug/L

RT: 10.182 min Scan# 2843

Delta R.T. -0.003 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005374

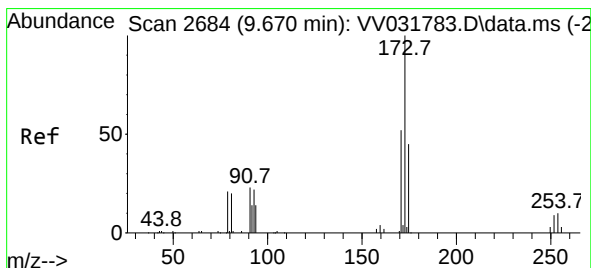
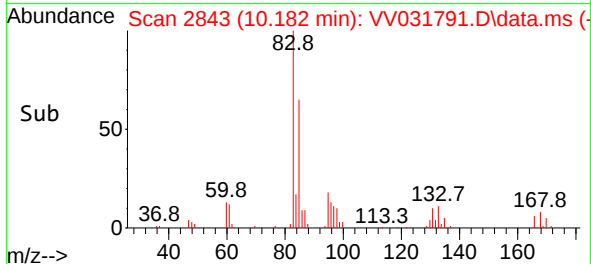
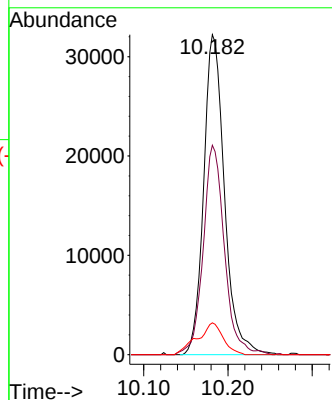
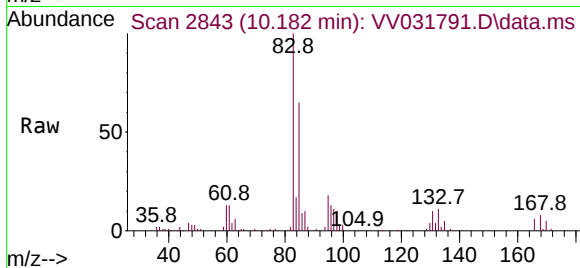
Tgt Ion: 83 Resp: 55343

Ion Ratio Lower Upper

83 100

85 65.5 48.6 90.2

131 10.0 7.0 10.6



#59

Bromoform

Concen: 4.923 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

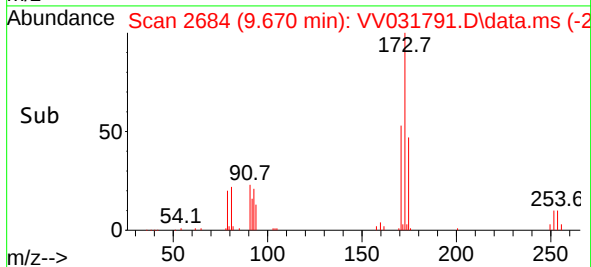
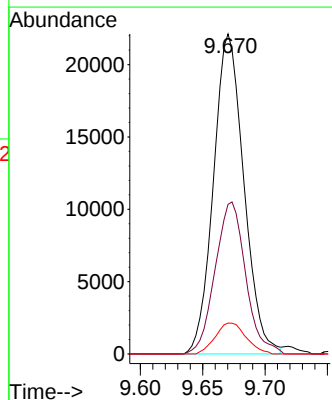
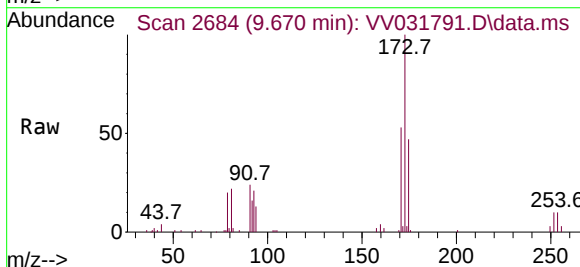
Tgt Ion: 173 Resp: 37523

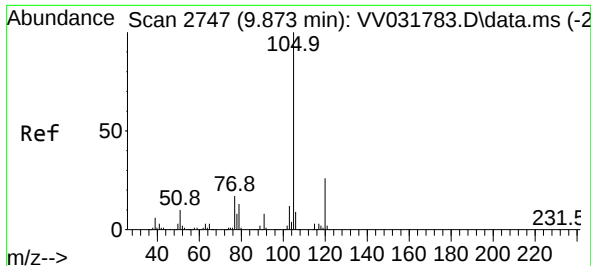
Ion Ratio Lower Upper

173 100

175 47.7 40.2 60.4

254 9.8 6.4 9.6#

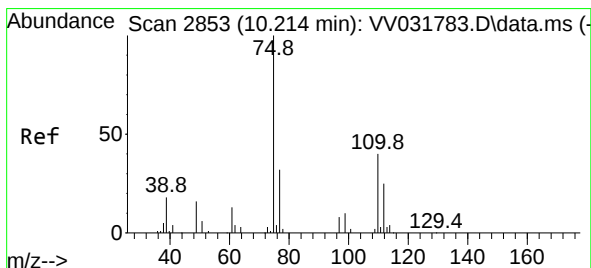
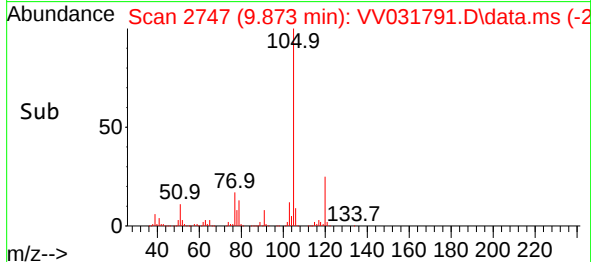
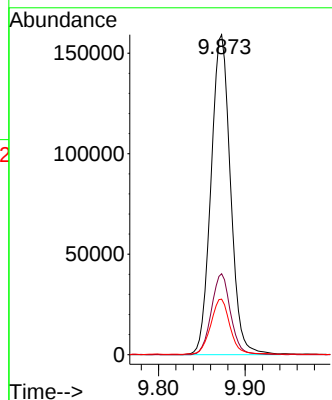
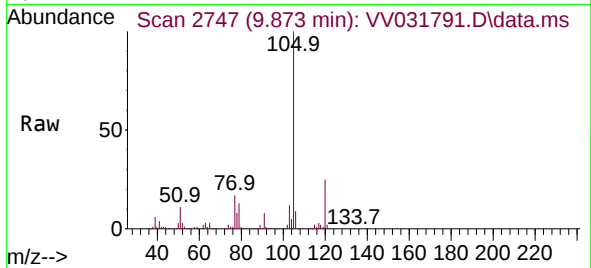




#60
Isopropylbenzene
Concen: 4.918 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

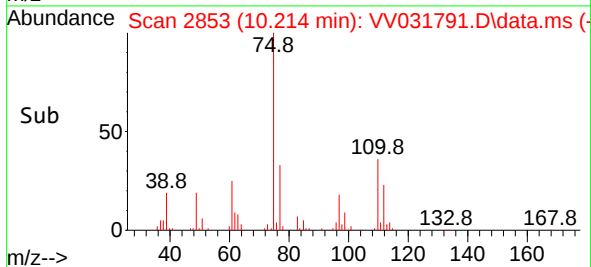
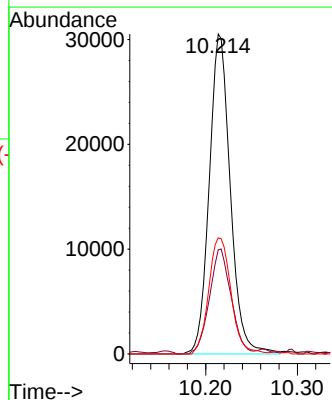
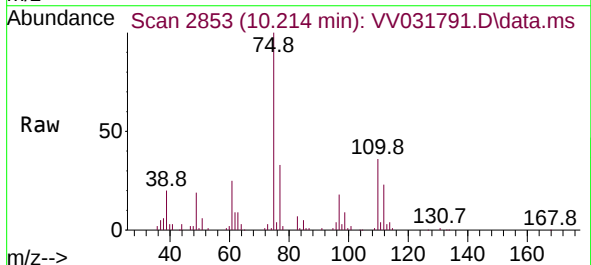
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

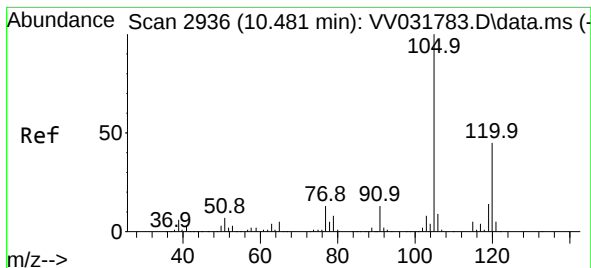
Tgt Ion:105 Resp: 248736
Ion Ratio Lower Upper
105 100
120 24.9 20.0 30.0
77 17.1 14.2 21.4



#61
1,2,3-Trichloropropane
Concen: 4.795 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Tgt Ion: 75 Resp: 48662
Ion Ratio Lower Upper
75 100
77 33.8 25.9 38.9
110 38.5 28.6 42.8





#62

1,3,5-Trimethylbenzene

Concen: 4.690 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

Instrument :

MSVOA_V

ClientSampleId :

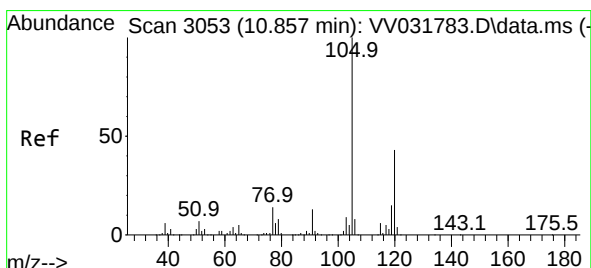
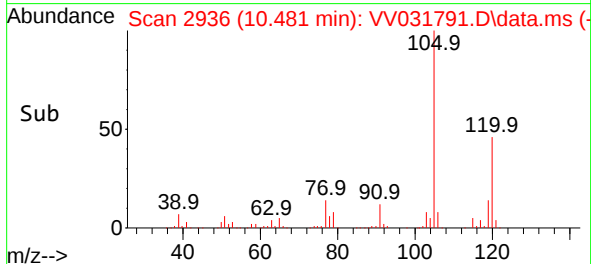
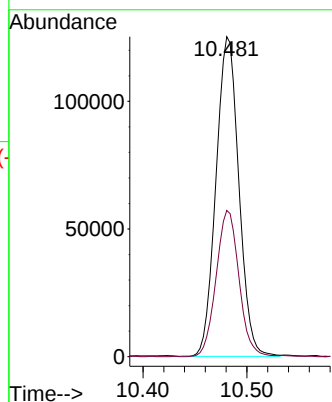
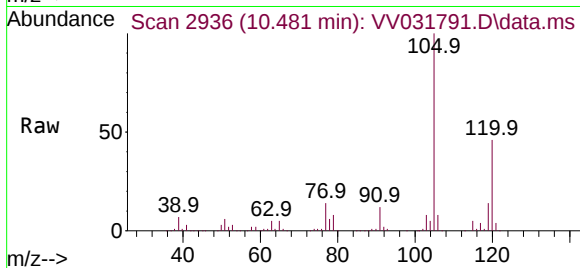
VSTD005374

Tgt Ion:105 Resp: 191368

Ion Ratio Lower Upper

105 100

120 46.1 36.2 54.4



#63

1,2,4-Trimethylbenzene

Concen: 4.637 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VV031791.D

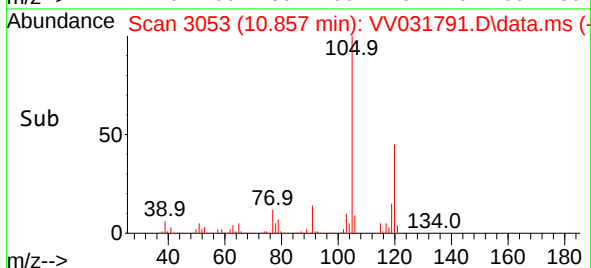
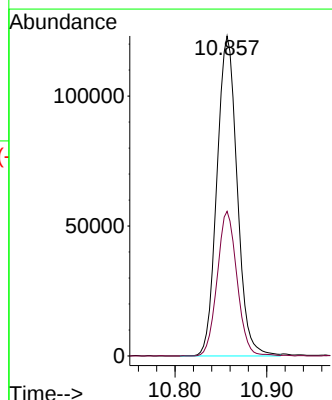
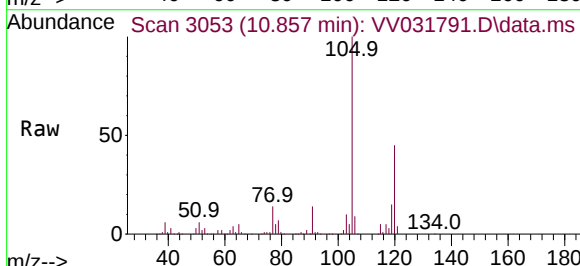
Acq: 11 Aug 2023 09:08

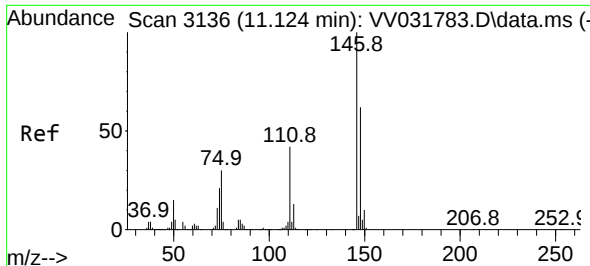
Tgt Ion:105 Resp: 188857

Ion Ratio Lower Upper

105 100

120 44.2 33.4 50.0

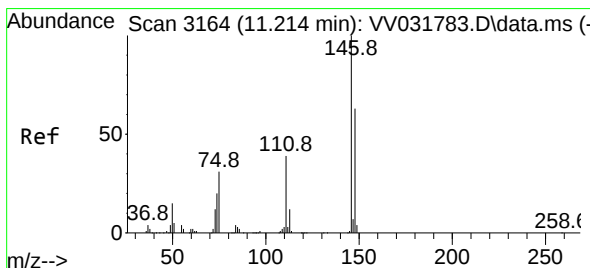
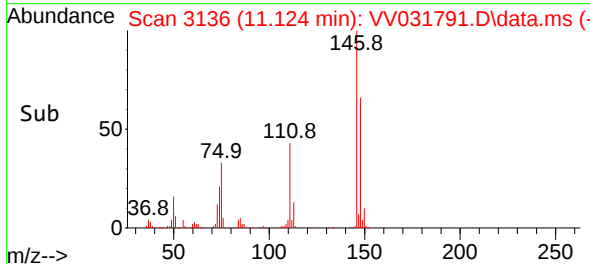
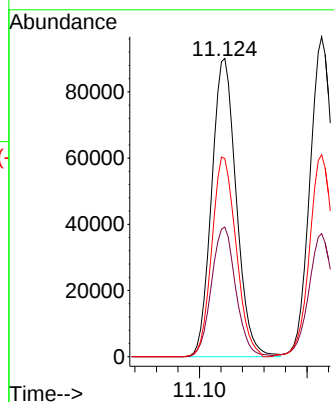
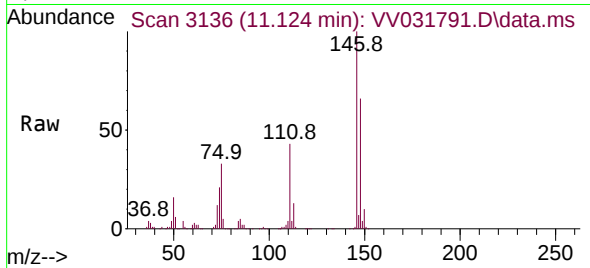




#64
1,3-Dichlorobenzene
Concen: 5.264 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

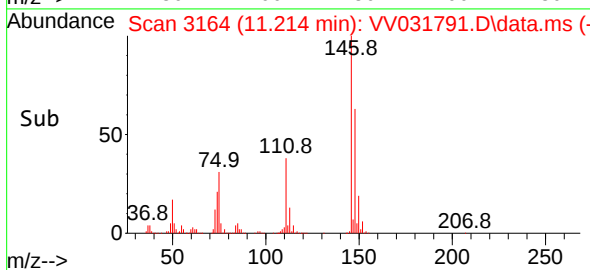
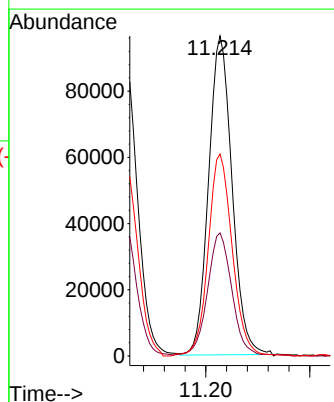
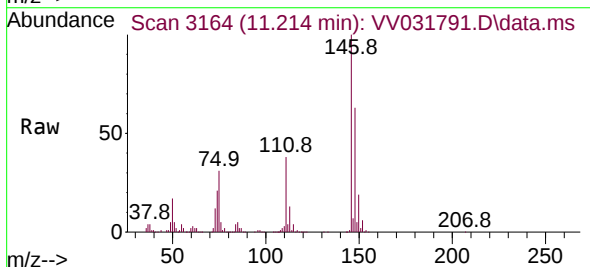
Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

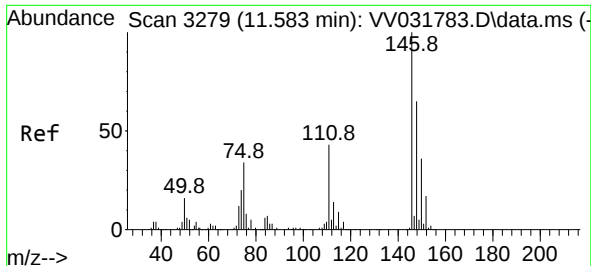
Tgt Ion:146 Resp: 143467
Ion Ratio Lower Upper
146 100
111 43.5 28.8 53.4
148 66.4 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 5.232 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Tgt Ion:146 Resp: 150931
Ion Ratio Lower Upper
146 100
111 38.4 28.2 52.4
148 63.1 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 5.334 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005374

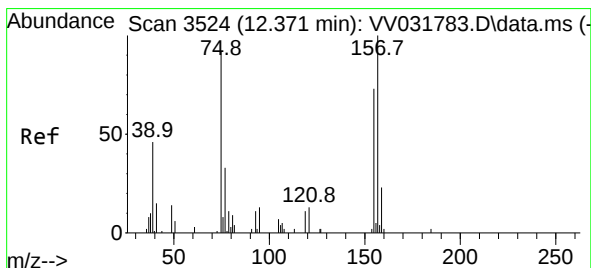
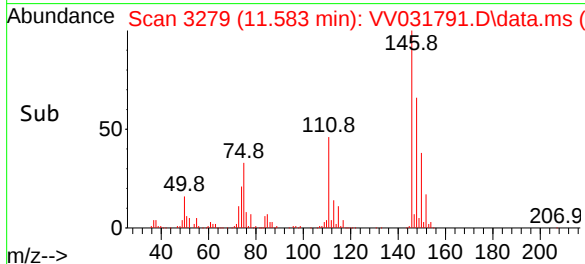
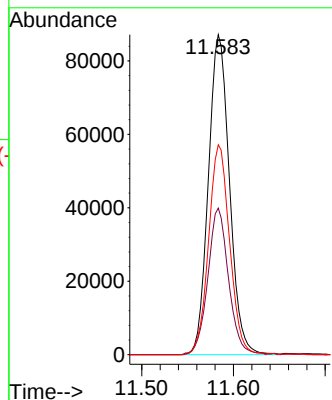
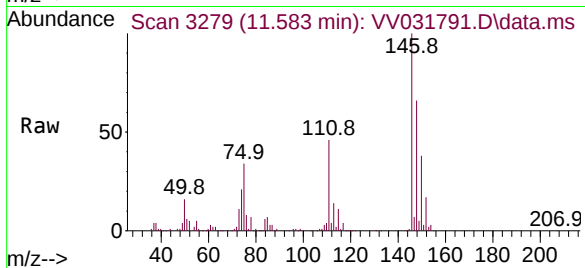
Tgt Ion:146 Resp: 139345

Ion Ratio Lower Upper

146 100

111 45.8 34.2 51.4

148 65.6 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: VV031791.D

Acq: 11 Aug 2023 09:08

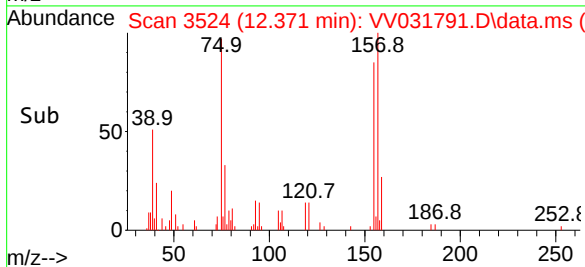
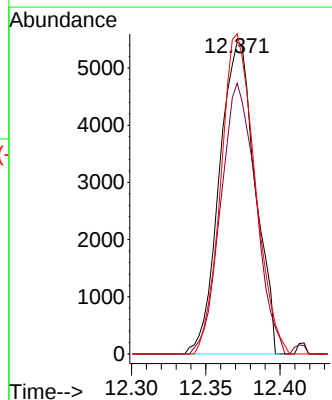
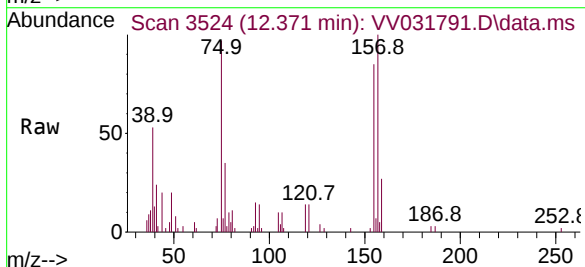
Tgt Ion: 75 Resp: 9135

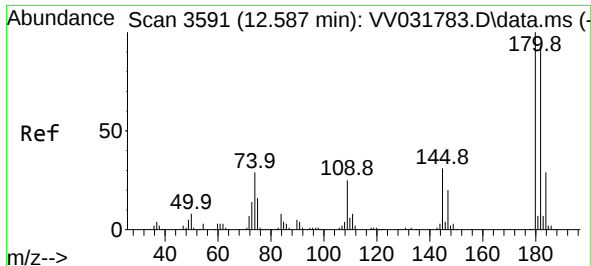
Ion Ratio Lower Upper

75 100

155 86.8 61.4 92.0

157 102.6 82.8 124.2





#69

1,3,5-Trichlorobenzene

Concen: 5.132 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. -0.000 min

Lab File: VV031791.D

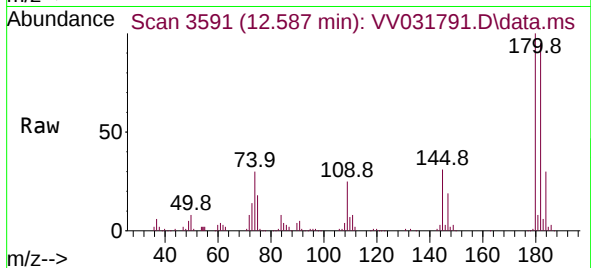
Acq: 11 Aug 2023 09:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD005374



Tgt Ion:180 Resp: 102314

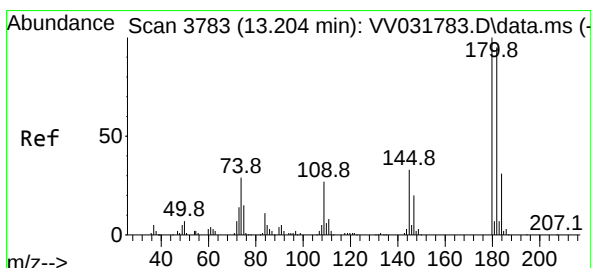
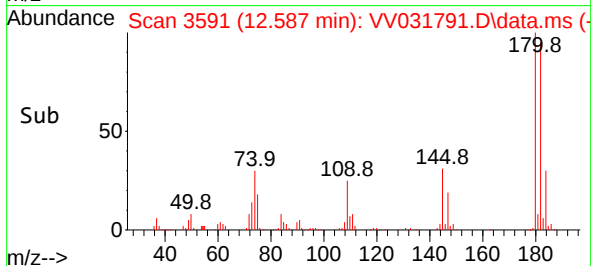
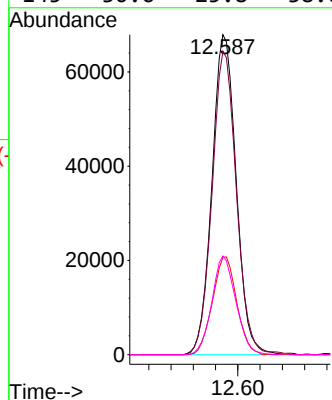
Ion Ratio Lower Upper

180 100

182 95.4 78.3 117.5

184 30.7 24.5 36.7

145 30.6 25.8 38.6



#70

1,2,4-trichlorobenzene

Concen: 4.950 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031791.D

Acq: 11 Aug 2023 09:08

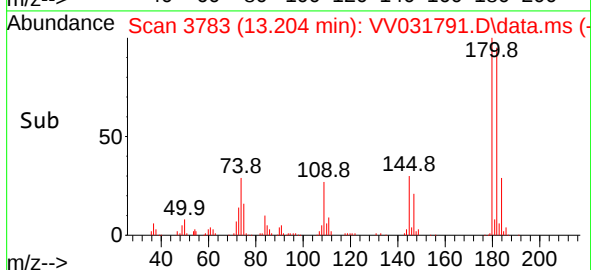
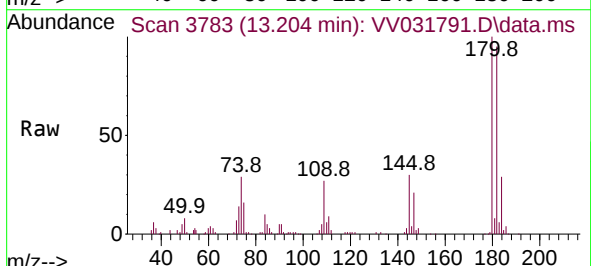
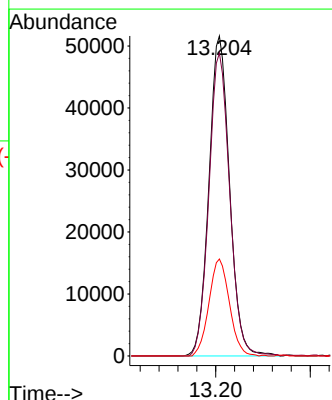
Tgt Ion:180 Resp: 78185

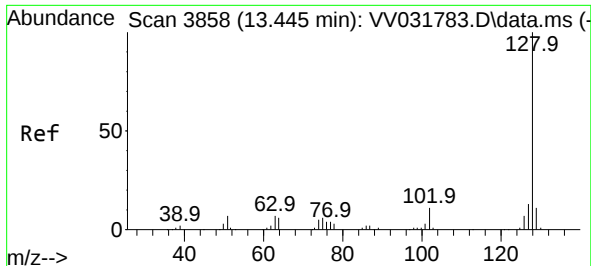
Ion Ratio Lower Upper

180 100

182 95.3 76.0 114.0

145 30.0 26.2 39.4

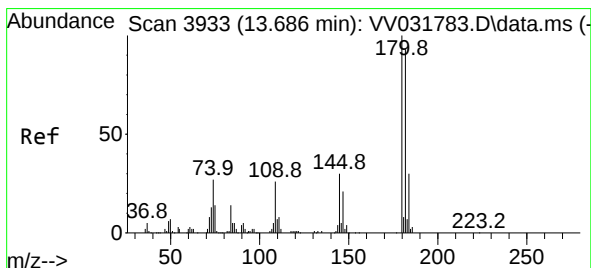
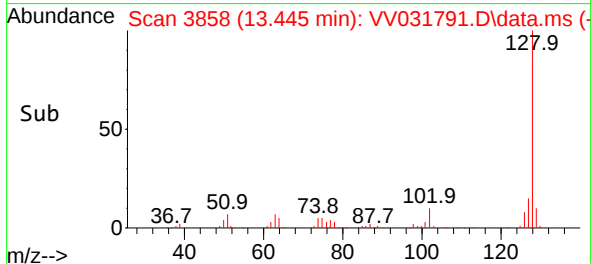
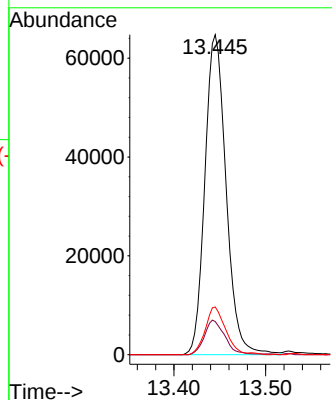
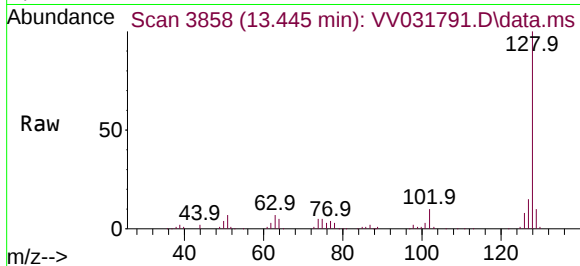




#71
Naphthalene
Concen: 4.083 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD005374

Tgt Ion:128 Resp: 104046
Ion Ratio Lower Upper
128 100
129 10.4 9.1 13.7
127 14.2 11.6 17.4



#72
1,2,3-Trichlorobenzene
Concen: 4.841 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.000 min
Lab File: VV031791.D
Acq: 11 Aug 2023 09:08

Tgt Ion:180 Resp: 70606
Ion Ratio Lower Upper
180 100
182 98.7 74.6 111.8
145 35.1 27.4 41.0

