

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060723\
 Data File : VW031389.D
 Acq On : 07 Jun 2023 10:51
 Operator : SY/MD
 Sample : VSTD01028
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010228

Quant Time: Jun 08 03:59:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 08 03:57:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	257794	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	262173	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	140917	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	24709	10.894	ug/L	0.00
7) Chloroethane-d5	1.532	69	19462	10.598	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	11323	10.533	ug/L	0.00
21) 2-Butanone-d5	3.818	46	27357	16.836	ug/L	0.02
24) Chloroform-d	4.255	84	45166	10.469	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	30181	10.428	ug/L	0.00
32) Benzene-d6	4.969	84	76397	9.870	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	26983	10.029	ug/L	0.00
41) Toluene-d8	7.252	98	68543	9.640	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	12695	9.367	ug/L	0.00
47) 2-Hexanone-d5	8.037	63	15004	14.850	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	33535	9.877	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	27228	10.416	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.104	85	10903	10.546	ug/L	98
3) Chloromethane	1.217	50	8687	10.355	ug/L	96
5) Vinyl chloride	1.281	62	10491	10.481	ug/L	94
6) Bromomethane	1.490	94	6304	10.479	ug/L	93
8) Chloroethane	1.551	64	8808	10.922	ug/L	98
9) Trichlorofluoromethane	1.715	101	25351	10.493	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	16164	10.346	ug/L	97
12) 1,1-Dichloroethene	2.072	96	10622	10.328	ug/L	89
13) Acetone	2.130	43	31179	21.262	ug/L	99
14) Carbon disulfide	2.243	76	9059	10.298	ug/L #	92
15) Methyl Acetate	2.384	43	24080	10.875	ug/L	95
16) Methylene chloride	2.452	84	16494	10.625	ug/L	91
17) trans-1,2-Dichloroethene	2.703	96	9748	9.997	ug/L	95
18) Methyl tert-butyl Ether	2.709	73	58802	9.811	ug/L	98
19) 1,1-Dichloroethane	3.117	63	35301	10.466	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	15606	9.844	ug/L	94
22) 2-Butanone	3.899	43	28541	15.967	ug/L	86
23) Bromochloromethane	4.156	128	8165	9.794	ug/L #	81
25) Chloroform	4.288	83	39107	10.398	ug/L	96
27) 1,2-Dichloroethane	5.053	62	28001	10.196	ug/L #	95
29) Cyclohexane	4.593	56	12796	9.113	ug/L	96
30) 1,1,1-Trichloroethane	4.519	97	31741	10.257	ug/L	99
31) Carbon tetrachloride	4.744	117	26140	10.168	ug/L	96
33) Benzene	5.021	78	57129	9.876	ug/L	100
34) Trichloroethene	5.841	95	19628	10.770	ug/L	98
35) Methylcyclohexane	6.056	83	13352	8.566	ug/L	96
37) 1,2-Dichloropropane	6.101	63	20567	9.878	ug/L	99
38) Bromodichloromethane	6.442	83	30555	10.026	ug/L #	96
39) cis-1,3-Dichloropropene	6.966	75	28314	9.102	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	62529	18.486	ug/L	95
42) Toluene	7.323	91	62756	9.692	ug/L	95
44) trans-1,3-Dichloropropene	7.590	75	28866	9.148	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060723\
 Data File : VW031389.D
 Acq On : 07 Jun 2023 10:51
 Operator : SY/MD
 Sample : VSTD01028
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

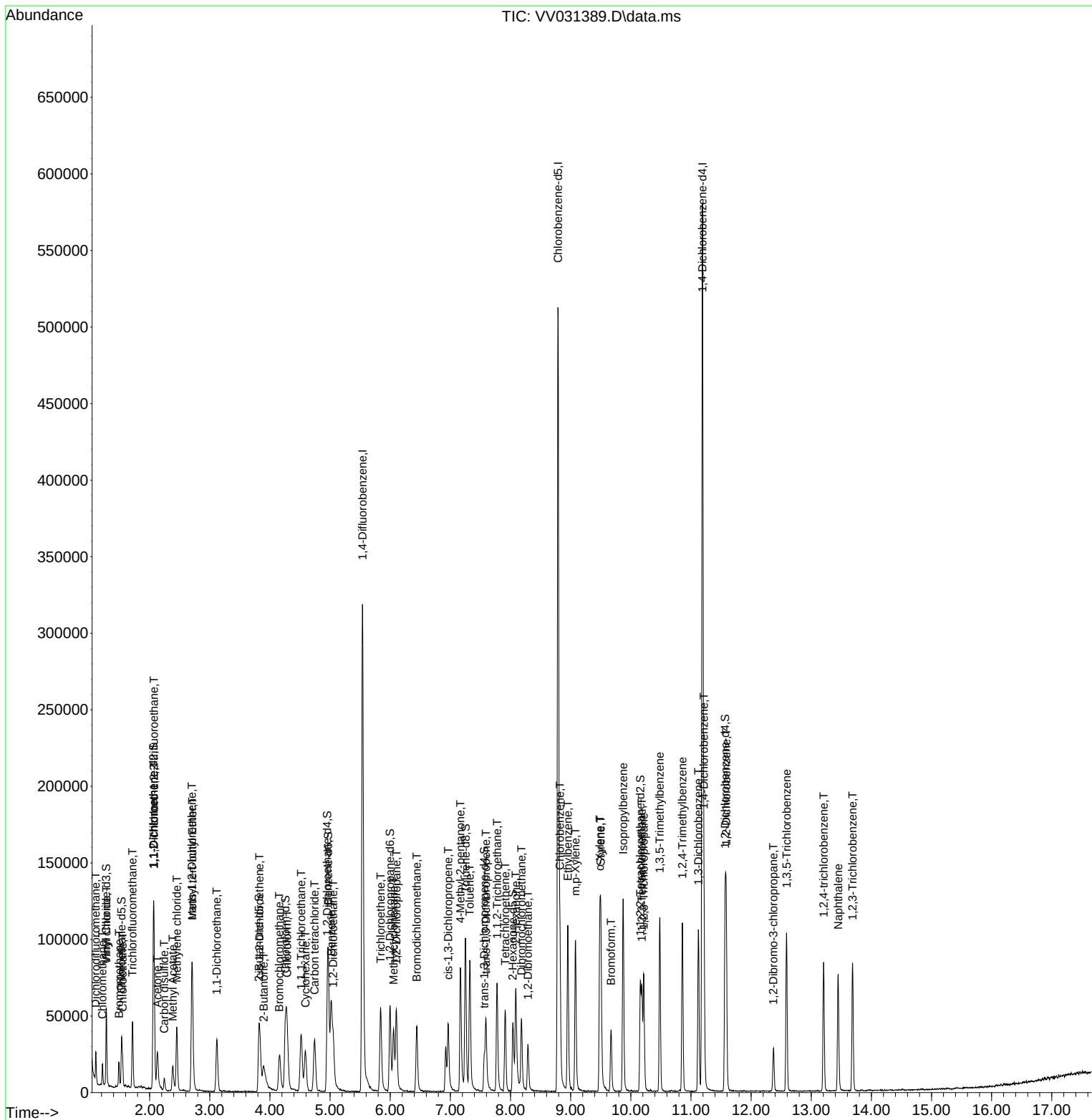
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010228

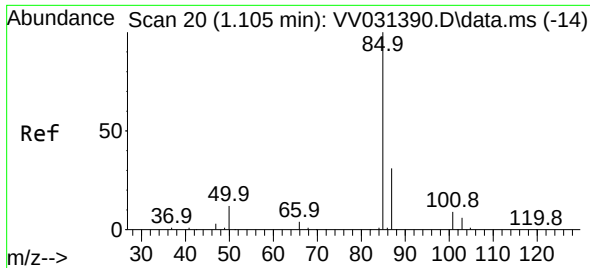
Quant Time: Jun 08 03:59:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 08 03:57:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.776	97	20977	9.747	ug/L	98
46) Tetrachloroethene	7.911	164	12104	10.230	ug/L	98
48) 2-Hexanone	8.088	43	47640	17.994	ug/L	96
49) Dibromochloromethane	8.185	129	22745	9.688	ug/L	98
50) 1,2-Dibromoethane	8.291	107	21043	10.156	ug/L	93
51) Chlorobenzene	8.821	112	49667	10.088	ug/L	98
52) Ethylbenzene	8.953	91	73072	9.068	ug/L	99
53) m,p-Xylene	9.082	106	26084	8.982	ug/L	86
54) o-Xylene	9.484	106	25686	8.768	ug/L	95
55) Styrene	9.503	104	45489	8.517	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.185	83	32060	9.718	ug/L	99
59) Bromoform	9.670	173	18443	10.214	ug/L	94
60) Isopropylbenzene	9.873	105	75886	9.424	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	30215	10.592	ug/L	98
62) 1,3,5-Trimethylbenzene	10.480	105	60255	9.061	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	57968	8.708	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	41242	10.006	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	43868	10.063	ug/L	100
67) 1,2-Dichlorobenzene	11.586	146	42142	9.974	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	7509	9.931	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	30341	9.562	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	23921	8.836	ug/L	97
71) Naphthalene	13.448	128	58144	7.836	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	24501	9.029	ug/L	97

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

Quant Time: Jun 08 03:59:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 08 03:57:59 2023
Response via : Initial Calibration

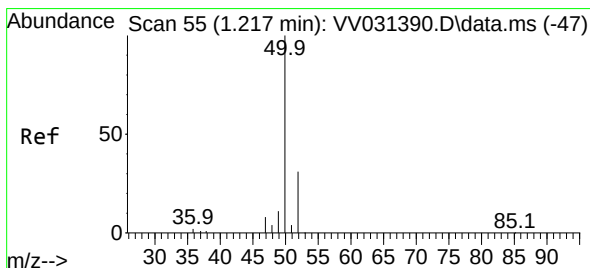
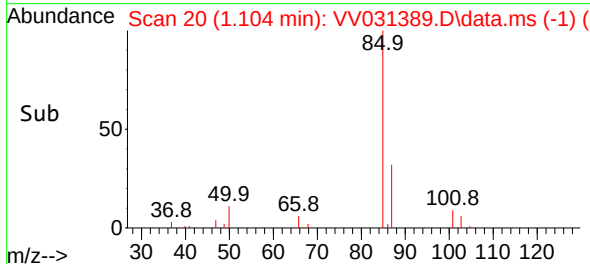
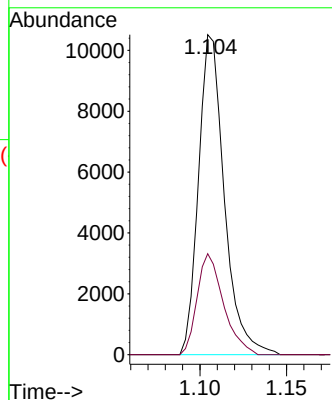
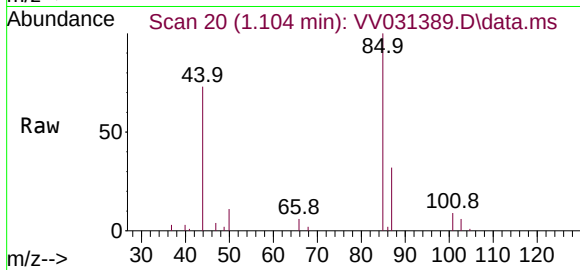




#2
 Dichlorodifluoromethane
 Concen: 10.546 ug/L
 RT: 1.104 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV031389.D
 Acq: 07 Jun 2023 10:51

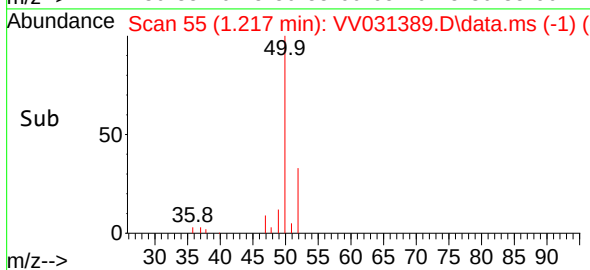
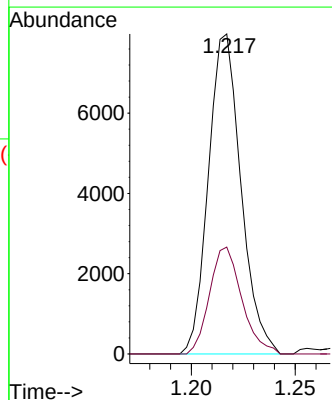
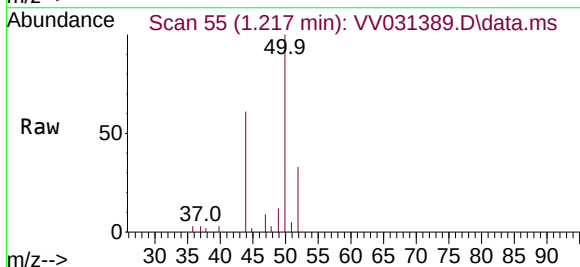
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010228

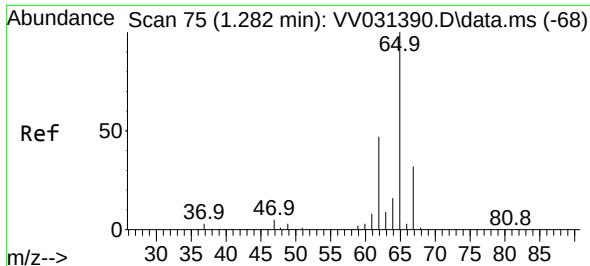
Tgt Ion: 85 Resp: 10903
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.0 37.6



#3
 Chloromethane
 Concen: 10.355 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031389.D
 Acq: 07 Jun 2023 10:51

Tgt Ion: 50 Resp: 8687
 Ion Ratio Lower Upper
 50 100
 52 33.4 21.9 40.7

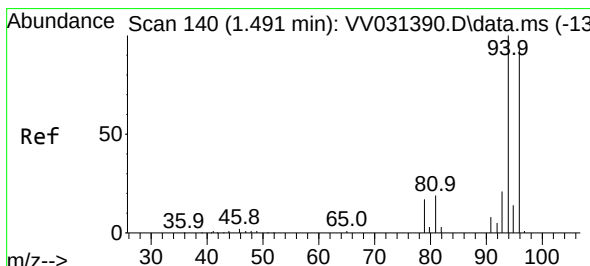
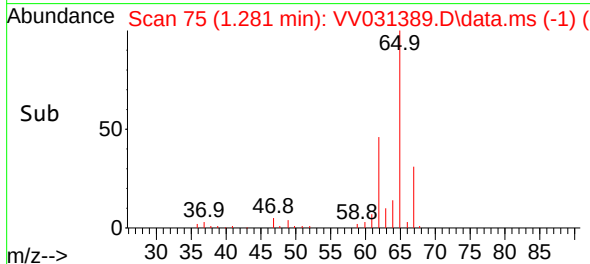
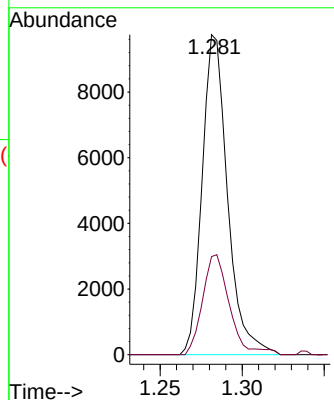
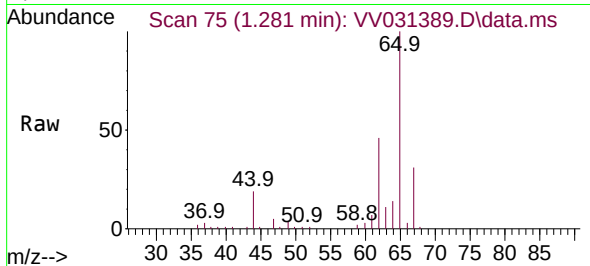




#5
 Vinyl chloride
 Concen: 10.481 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV031389.D
 Acq: 07 Jun 2023 10:51

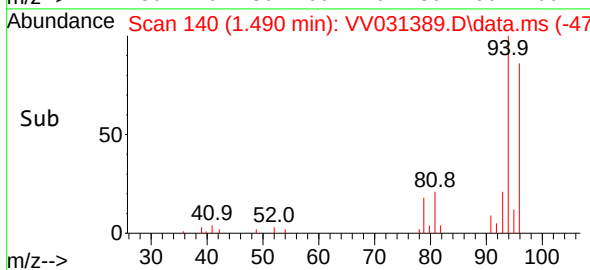
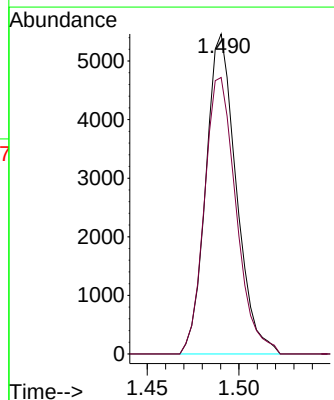
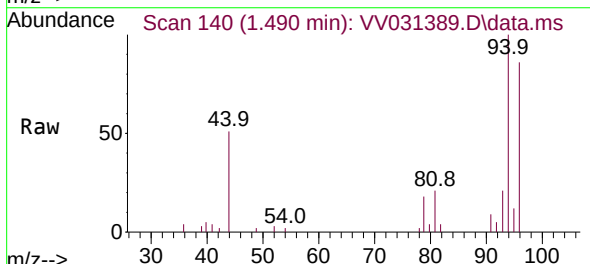
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010228

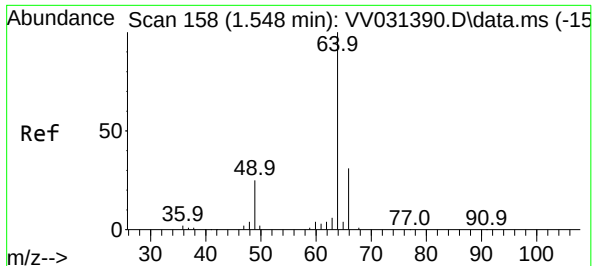
Tgt Ion: 62 Resp: 10491
 Ion Ratio Lower Upper
 62 100
 64 30.7 23.7 43.9



#6
 Bromomethane
 Concen: 10.479 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV031389.D
 Acq: 07 Jun 2023 10:51

Tgt Ion: 94 Resp: 6304
 Ion Ratio Lower Upper
 94 100
 96 86.4 65.4 121.4

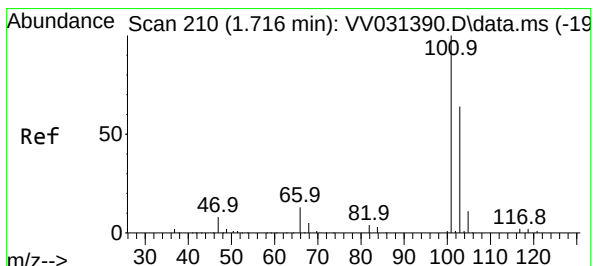
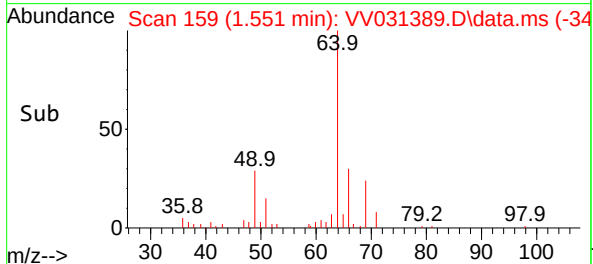
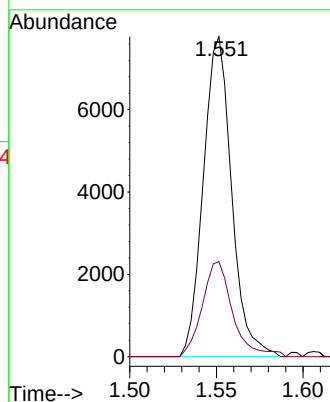
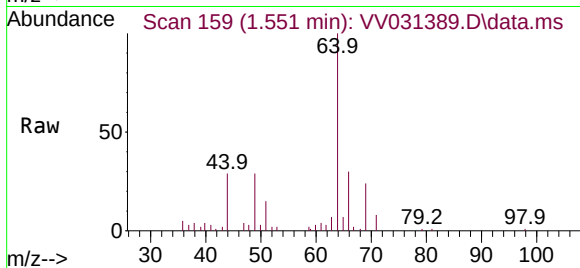




#8
Chloroethane
Concen: 10.922 ug/L
RT: 1.551 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

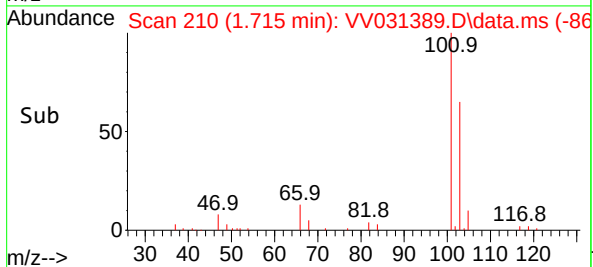
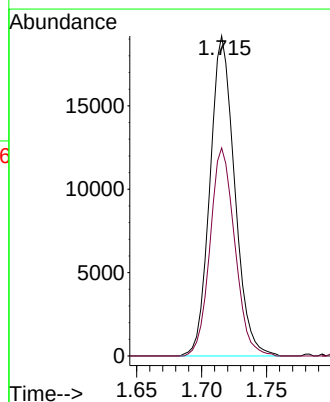
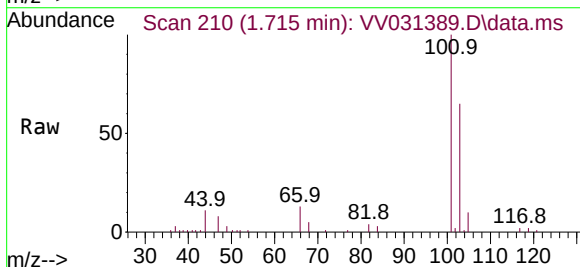
Instrument :
MSVOA_V
ClientSampleId :
VSTD010228

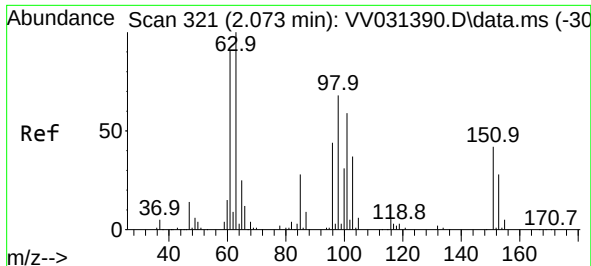
Tgt Ion: 64 Resp: 8808
Ion Ratio Lower Upper
64 100
66 29.7 21.4 39.8



#9
Trichlorofluoromethane
Concen: 10.493 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

Tgt Ion: 101 Resp: 25351
Ion Ratio Lower Upper
101 100
103 65.1 51.8 77.6





#10

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

Concen: 10.346 ug/L

RT: 2.072 min Scan# 321

Delta R.T. -0.000 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD010228

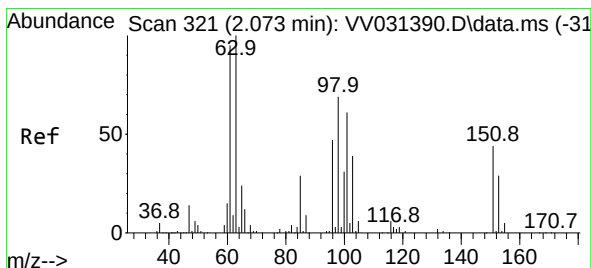
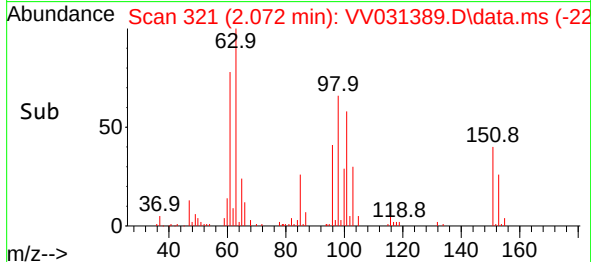
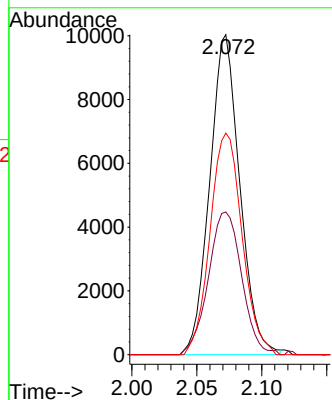
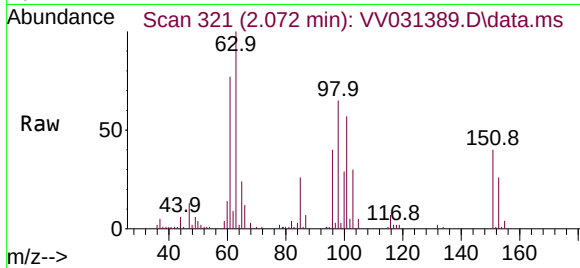
Tgt Ion:101 Resp: 16164

Ion Ratio Lower Upper

101 100

85 49.1 37.3 55.9

151 73.6 57.8 86.6



#12

1,1-Dichloroethene

Concen: 10.328 ug/L

RT: 2.072 min Scan# 321

Delta R.T. -0.000 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

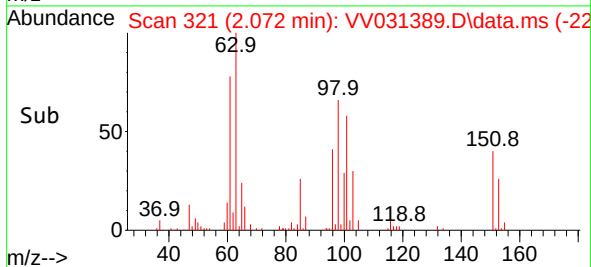
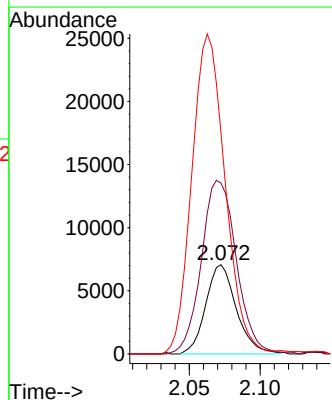
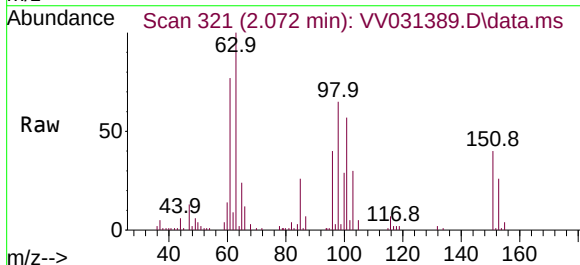
Tgt Ion: 96 Resp: 10622

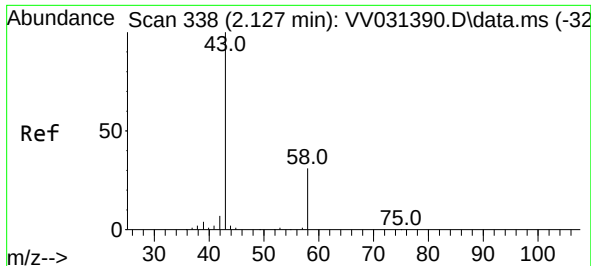
Ion Ratio Lower Upper

96 100

61 191.4 143.9 267.3

63 247.5 158.3 293.9





#13

Acetone

Concen: 21.262 ug/L

RT: 2.130 min Scan# 311

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

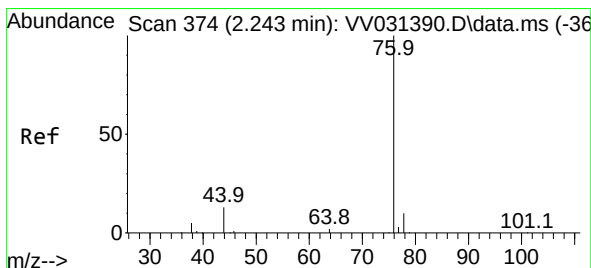
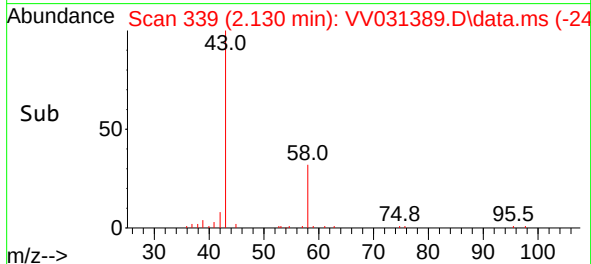
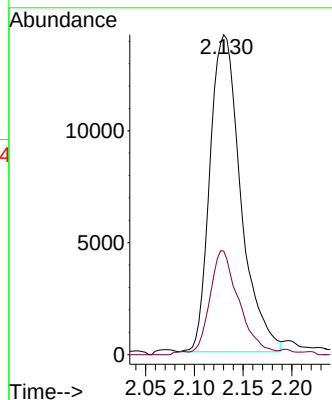
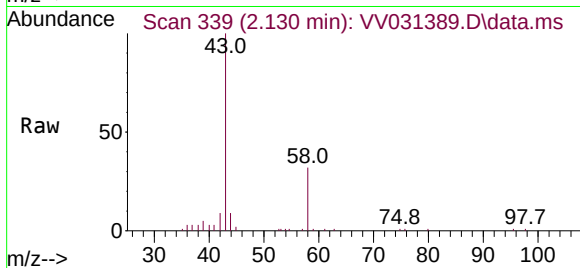
VSTD010228

Tgt Ion: 43 Resp: 31179

Ion Ratio Lower Upper

43 100

58 30.1 0.0 61.0



#14

Carbon disulfide

Concen: 10.298 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV031389.D

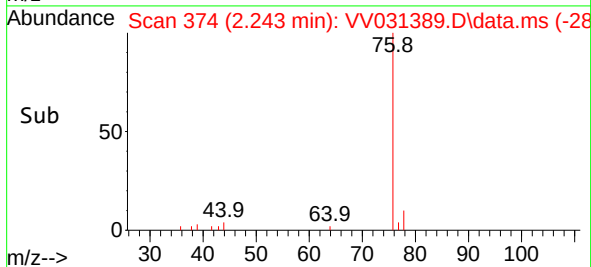
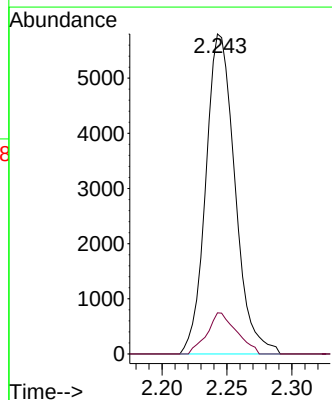
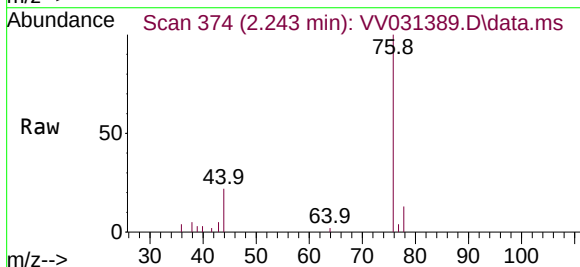
Acq: 07 Jun 2023 10:51

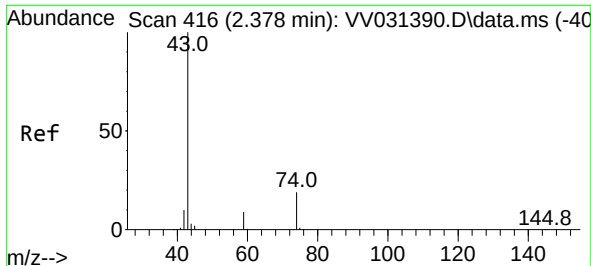
Tgt Ion: 76 Resp: 9059

Ion Ratio Lower Upper

76 100

78 12.9 7.9 11.9#

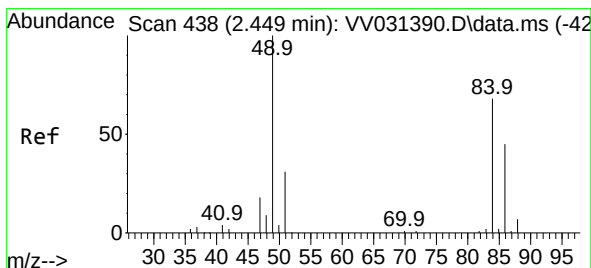
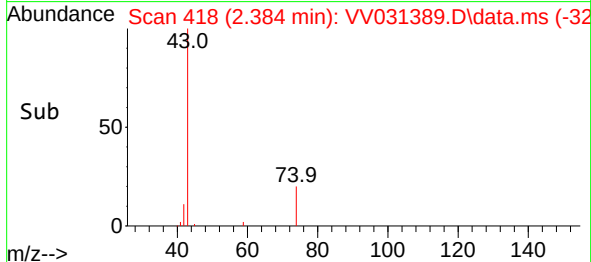
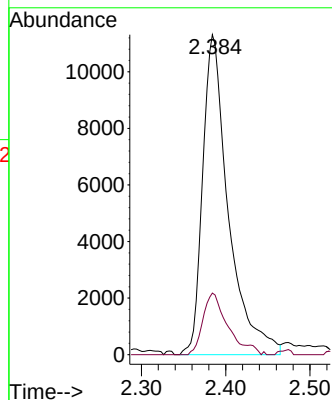
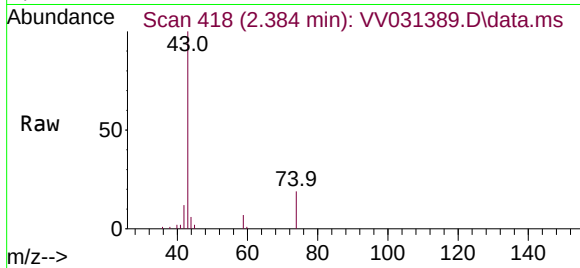




#15
Methyl Acetate
Concen: 10.875 ug/L
RT: 2.384 min Scan# 416
Delta R.T. 0.006 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

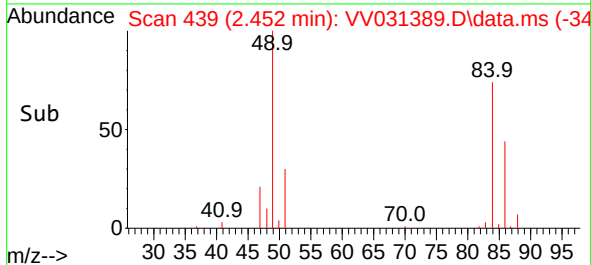
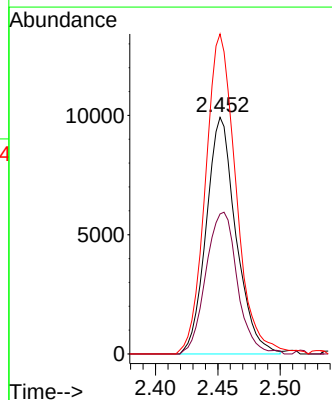
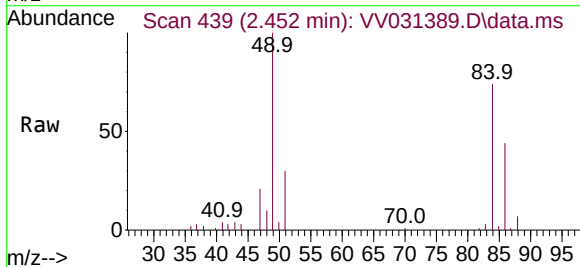
Instrument :
MSVOA_V
ClientSampleId :
VSTD010228

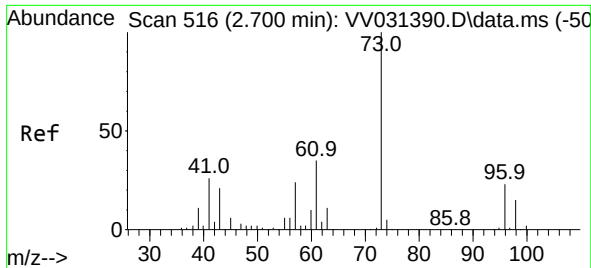
Tgt Ion: 43 Resp: 24080
Ion Ratio Lower Upper
43 100
74 17.7 16.0 24.0



#16
Methylene chloride
Concen: 10.625 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.003 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

Tgt Ion: 84 Resp: 16494
Ion Ratio Lower Upper
84 100
86 59.2 46.1 85.5
49 135.2 102.7 190.7





#17

trans-1,2-Dichloroethene

Concen: 9.997 ug/L

RT: 2.703 min Scan# 516

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD010228

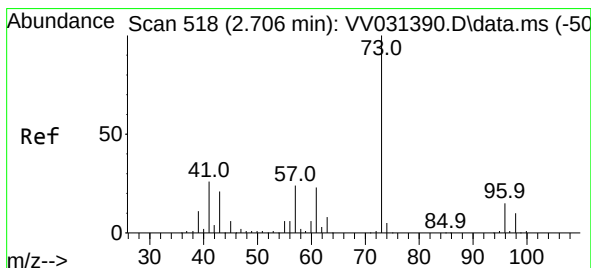
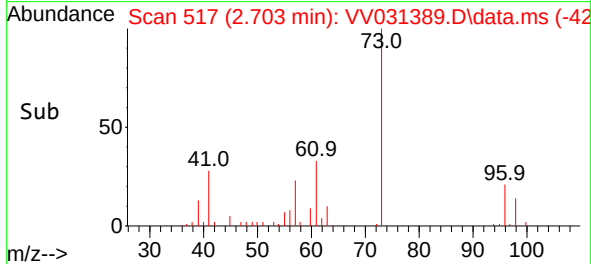
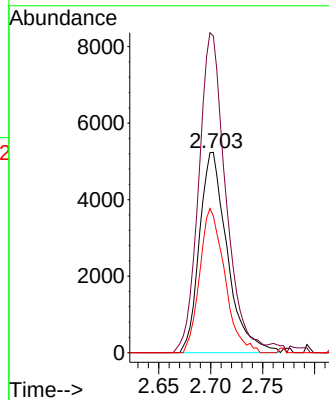
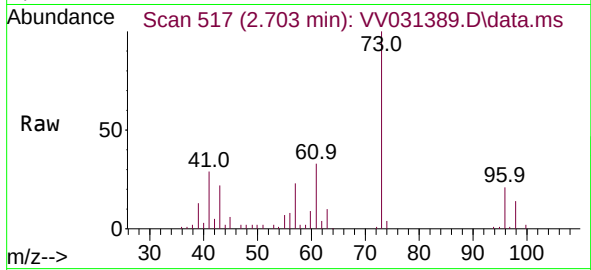
Tgt Ion: 96 Resp: 9748

Ion Ratio Lower Upper

96 100

61 158.1 106.9 198.5

98 68.2 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 9.811 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

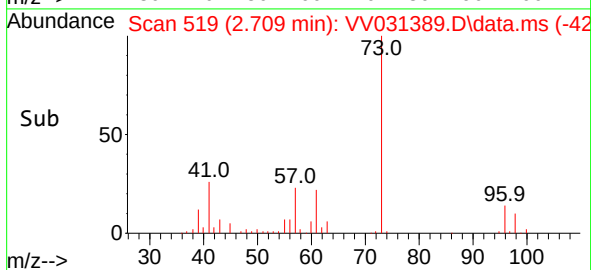
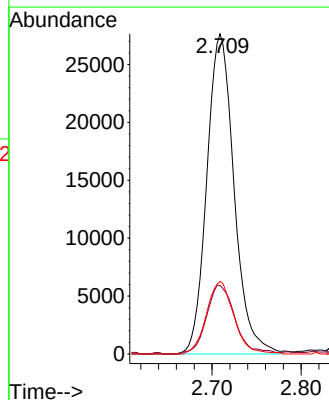
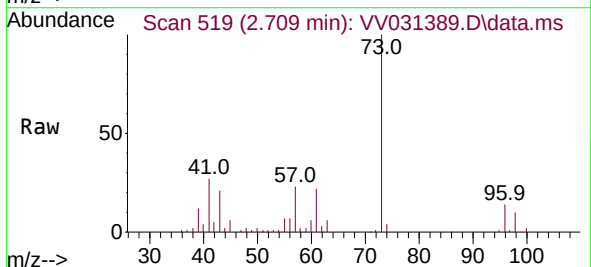
Tgt Ion: 73 Resp: 58802

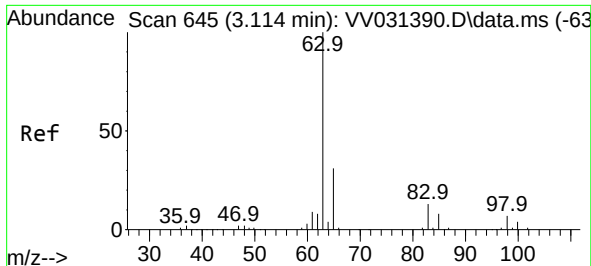
Ion Ratio Lower Upper

73 100

43 22.2 16.6 25.0

57 22.7 18.6 28.0





#19

1,1-Dichloroethane

Concen: 10.466 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD010228

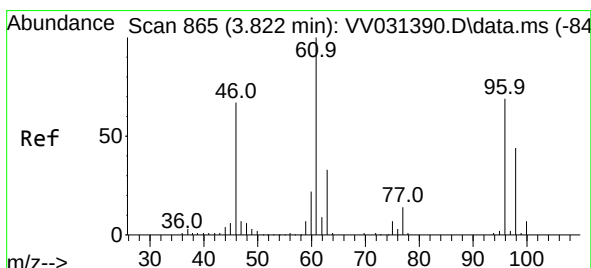
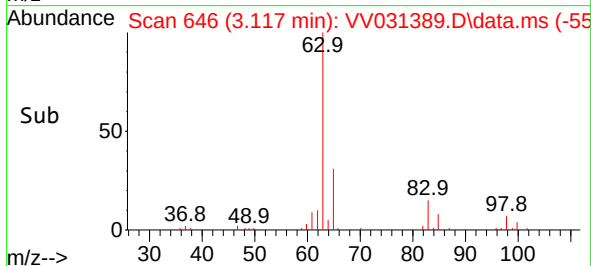
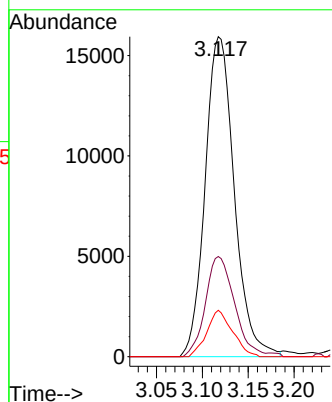
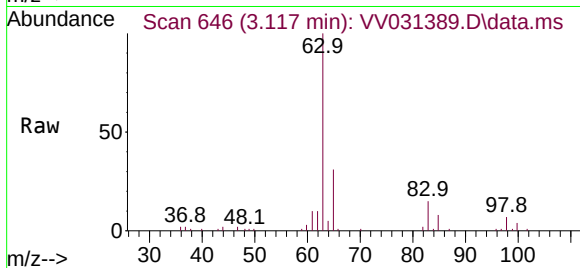
Tgt Ion: 63 Resp: 35301

Ion Ratio Lower Upper

63 100

65 31.3 21.4 39.8

83 14.5 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 9.844 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

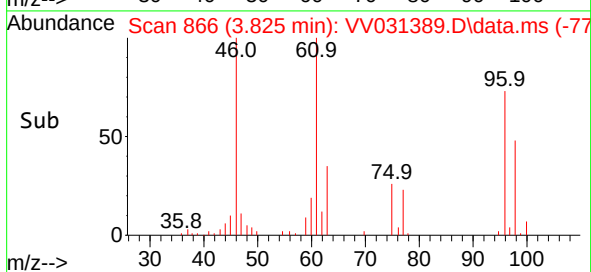
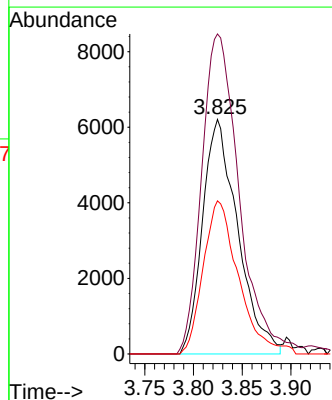
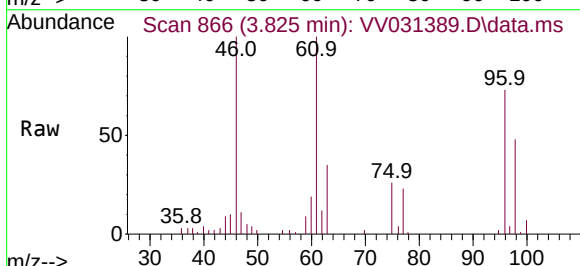
Tgt Ion: 96 Resp: 15606

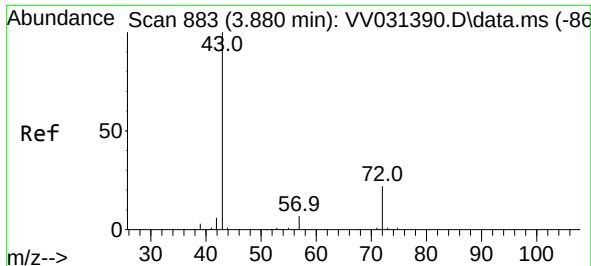
Ion Ratio Lower Upper

96 100

61 136.4 101.6 188.6

98 65.3 44.4 82.4

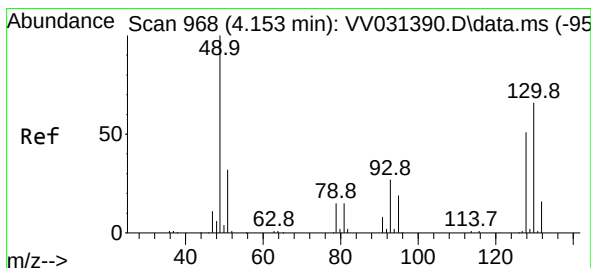
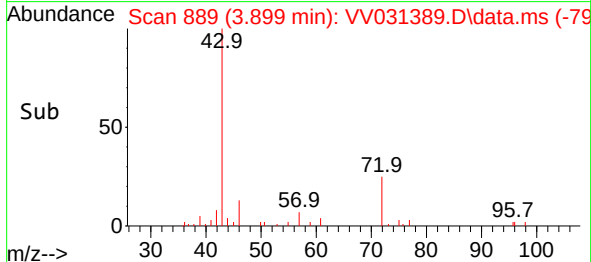
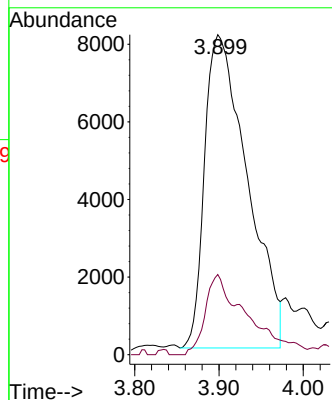
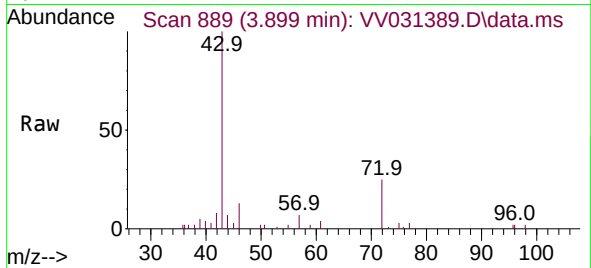




#22
2-Butanone
Concen: 15.967 ug/L
RT: 3.899 min Scan# 889
Delta R.T. 0.019 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

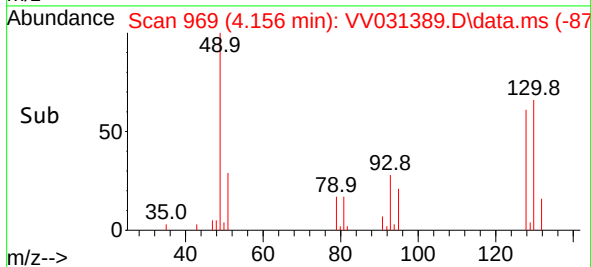
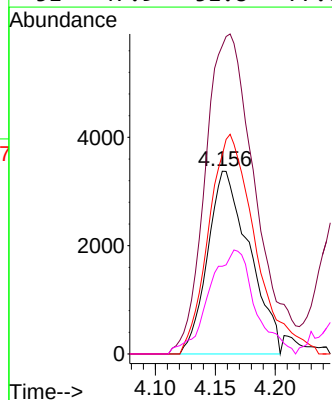
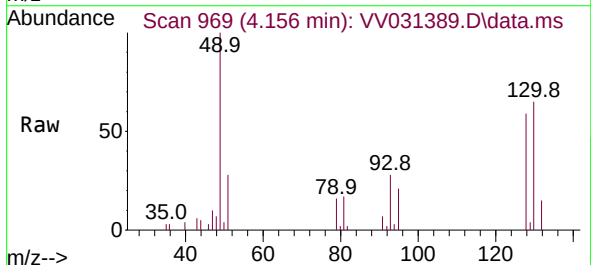
Instrument :
MSVOA_V
ClientSampleId :
VSTD010228

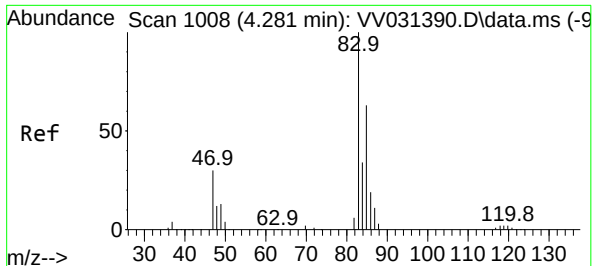
Tgt Ion: 43 Resp: 28541
Ion Ratio Lower Upper
43 100
72 14.1 10.4 31.4



#23
Bromochloromethane
Concen: 9.794 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

Tgt Ion: 128 Resp: 8165
Ion Ratio Lower Upper
128 100
49 168.6 138.2 256.6
130 108.9 91.4 169.8
51 47.9 51.8 77.6#





#25

Chloroform

Concen: 10.398 ug/L

RT: 4.288 min Scan# 1008

Delta R.T. 0.006 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

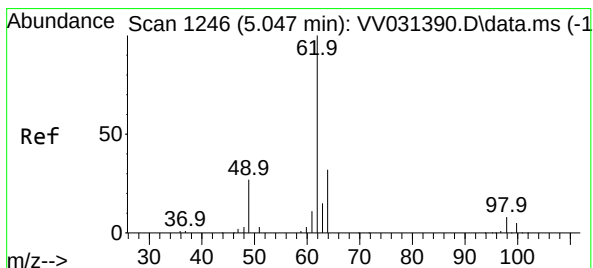
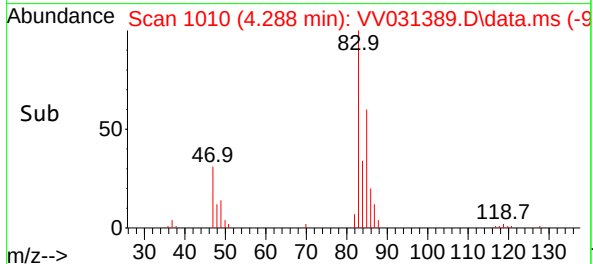
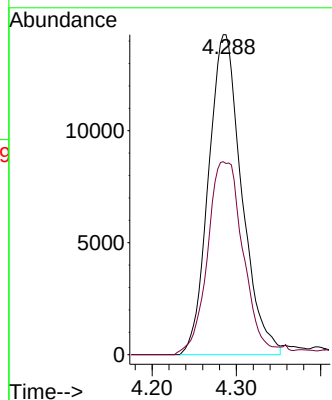
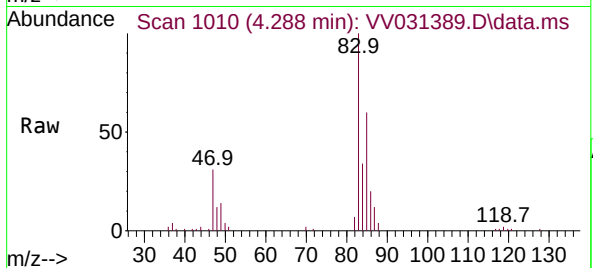
VSTD010228

Tgt Ion: 83 Resp: 39107

Ion Ratio Lower Upper

83 100

85 59.8 43.9 81.5



#27

1,2-Dichloroethane

Concen: 10.196 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.006 min

Lab File: VV031389.D

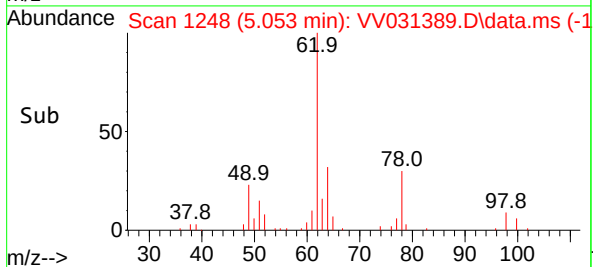
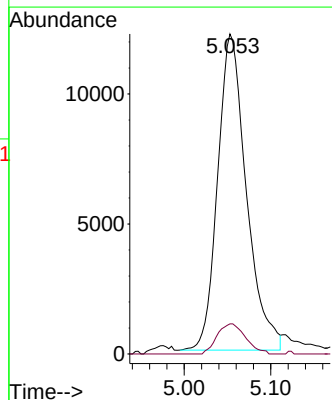
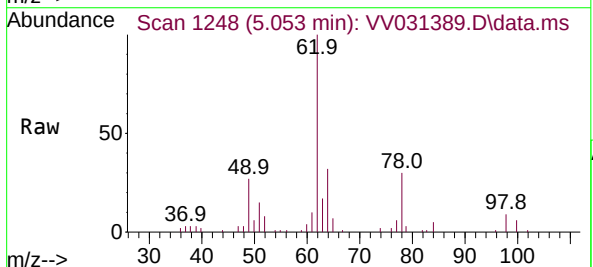
Acq: 07 Jun 2023 10:51

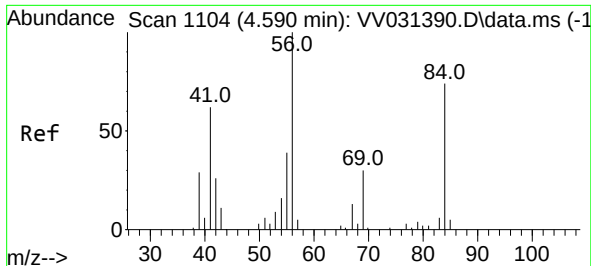
Tgt Ion: 62 Resp: 28001

Ion Ratio Lower Upper

62 100

98 9.4 6.2 9.4#





#29

Cyclohexane

Concen: 9.113 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD010228

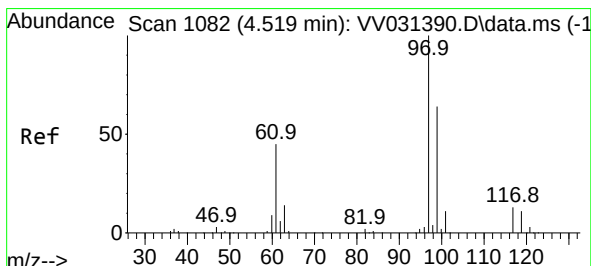
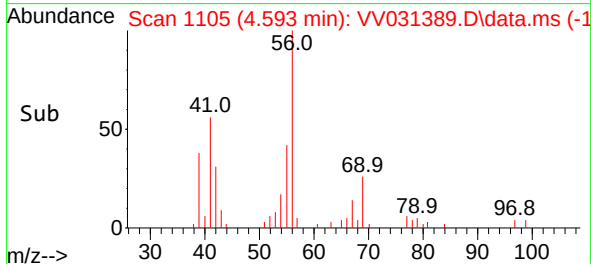
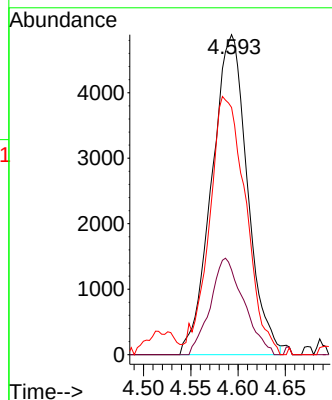
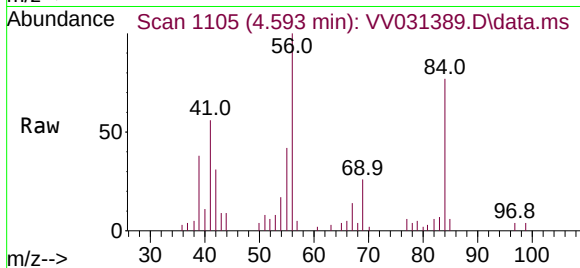
Tgt Ion: 56 Resp: 12796

Ion Ratio Lower Upper

56 100

69 28.3 23.5 35.3

84 80.5 61.3 91.9



#30

1,1,1-Trichloroethane

Concen: 10.257 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

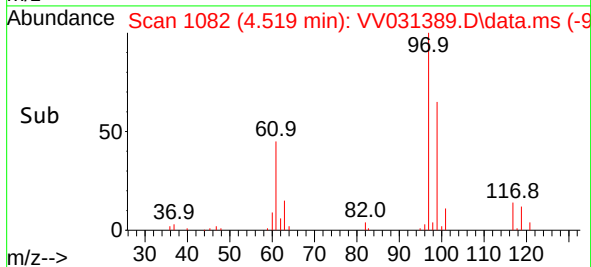
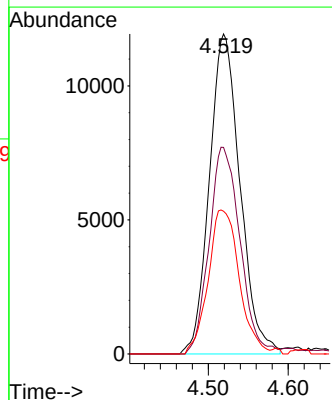
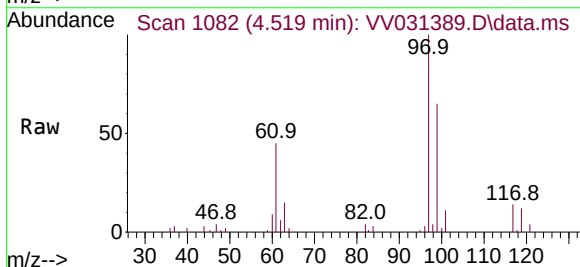
Tgt Ion: 97 Resp: 31741

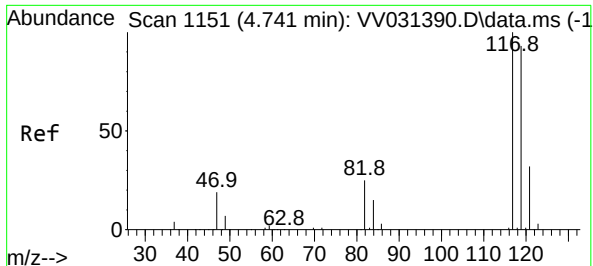
Ion Ratio Lower Upper

97 100

99 64.5 51.9 77.9

61 45.5 36.1 54.1

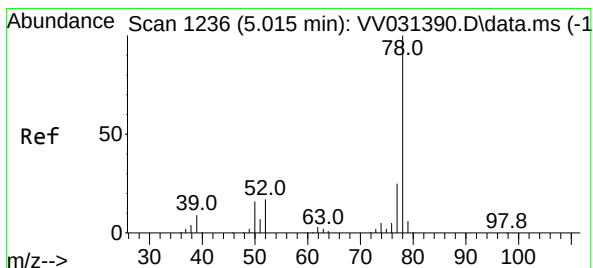
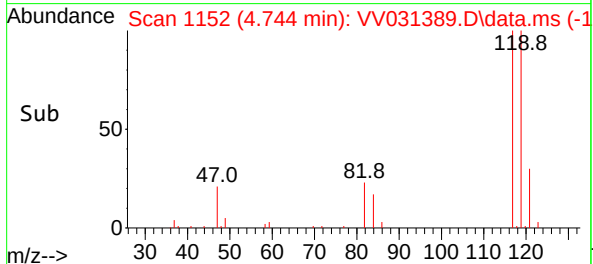
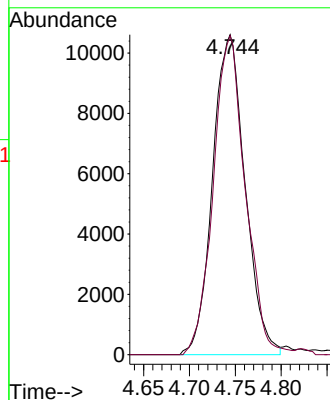
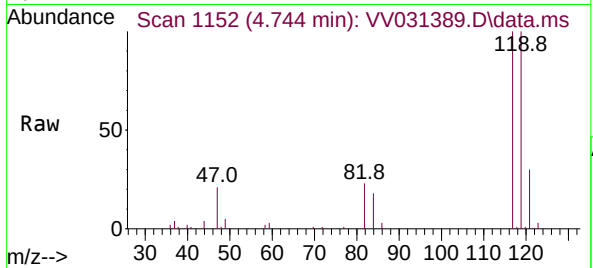




#31
Carbon tetrachloride
Concen: 10.168 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

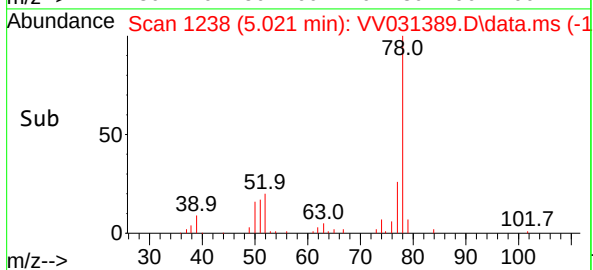
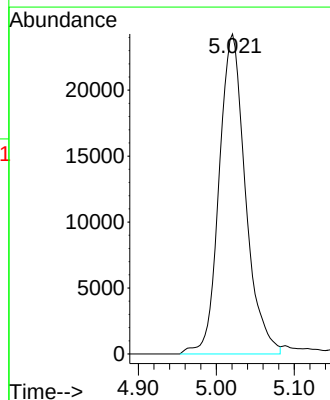
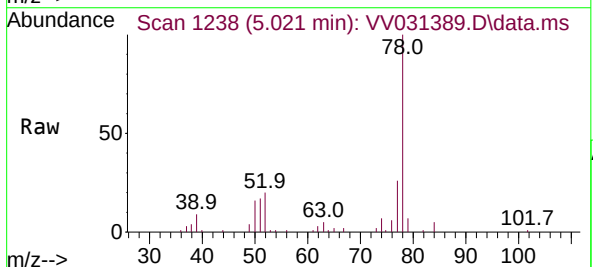
Instrument :
MSVOA_V
ClientSampleId :
VSTD010228

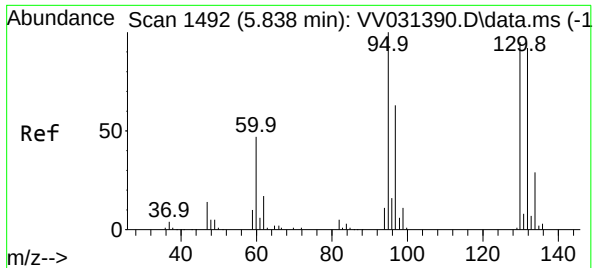
Tgt Ion:117 Resp: 26140
Ion Ratio Lower Upper
117 100
119 98.3 75.8 113.6



#33
Benzene
Concen: 9.876 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.006 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

Tgt Ion: 78 Resp: 57129



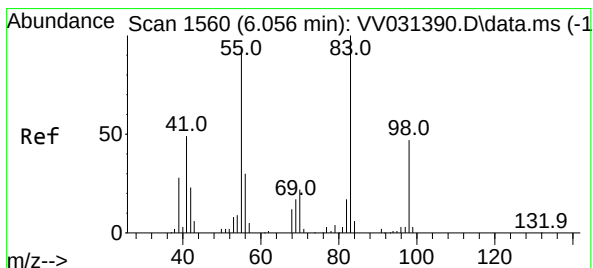
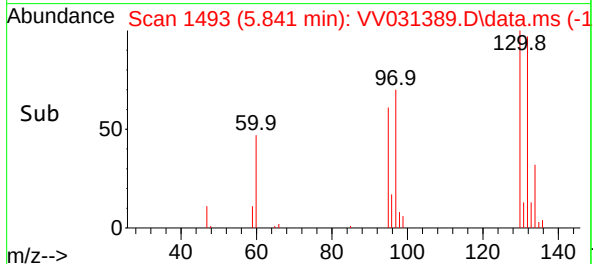
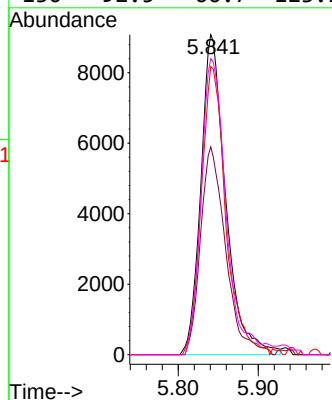
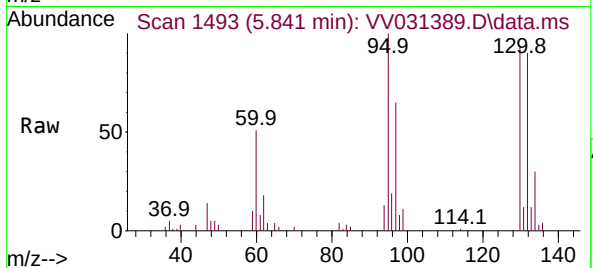


#34
Trichloroethene
Concen: 10.770 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD010228

Tgt Ion: 95 Resp: 19628

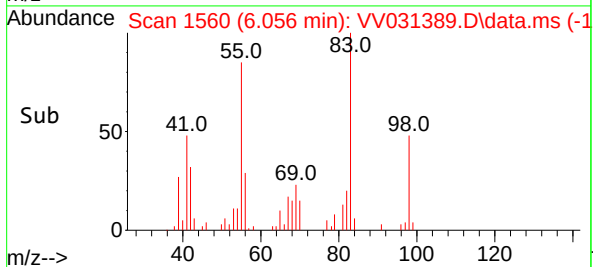
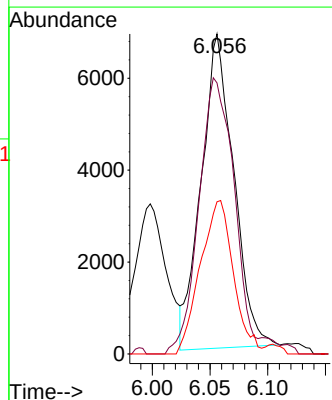
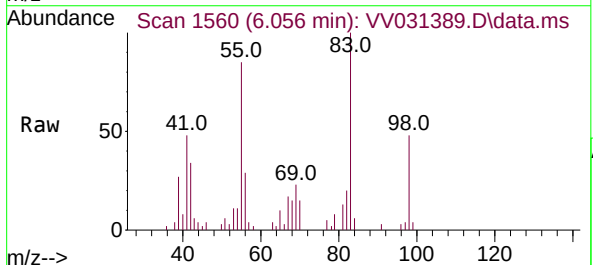
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.2	82.0
132	90.1	64.2	119.2
130	92.5	66.7	123.9

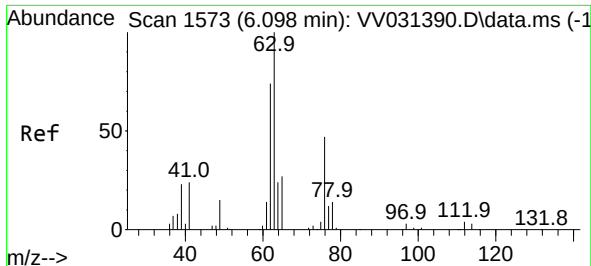


#35
Methylcyclohexane
Concen: 8.566 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.000 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

Tgt Ion: 83 Resp: 13352

Ion	Ratio	Lower	Upper
83	100		
55	94.9	73.9	110.9
98	49.8	37.0	55.4





#37

1,2-Dichloropropane

Concen: 9.878 ug/L

RT: 6.101 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

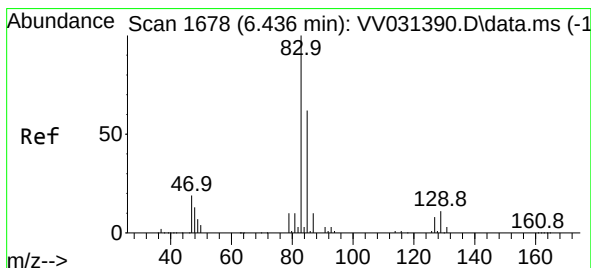
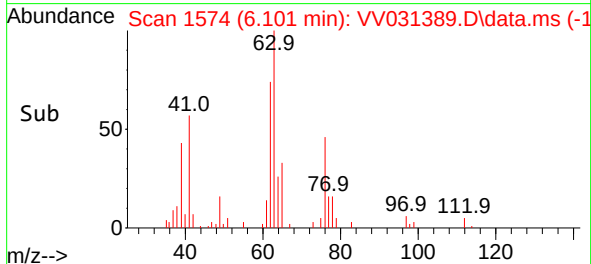
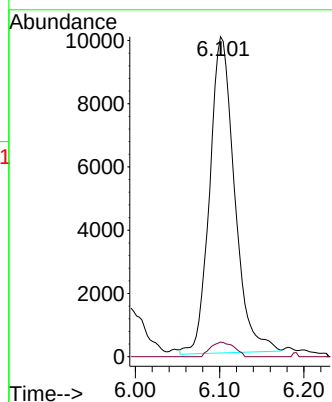
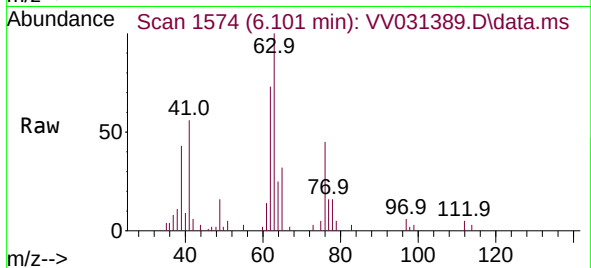
VSTD010228

Tgt Ion: 63 Resp: 20567

Ion Ratio Lower Upper

63 100

112 4.3 3.3 4.9



#38

Bromodichloromethane

Concen: 10.026 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.006 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

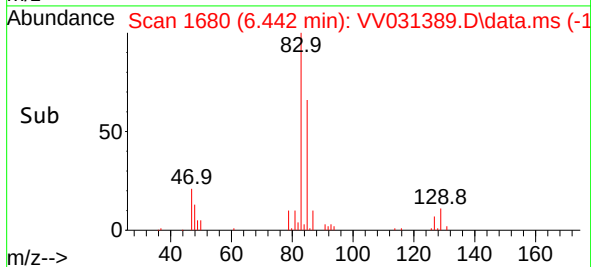
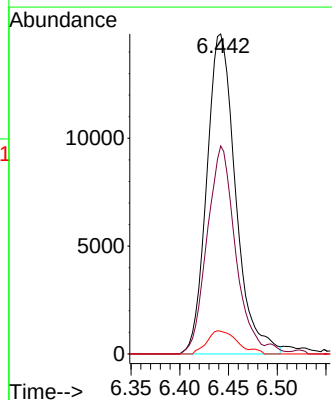
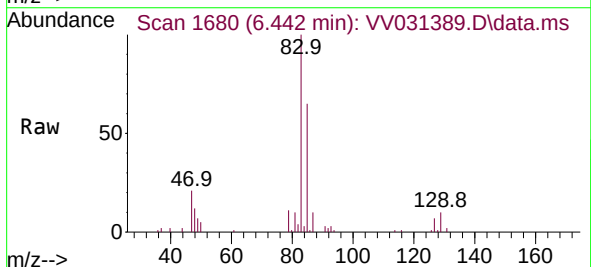
Tgt Ion: 83 Resp: 30555

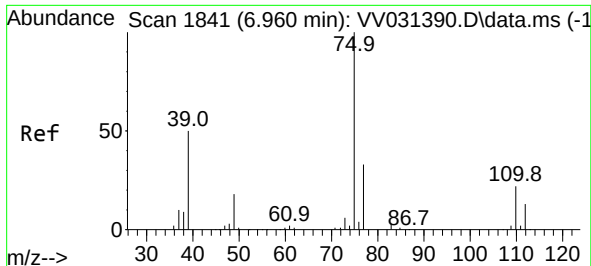
Ion Ratio Lower Upper

83 100

85 65.0 43.2 80.2

127 7.1 7.2 10.8#





#39

cis-1,3-Dichloropropene

Concen: 9.102 ug/L

RT: 6.966 min Scan# 1841

Delta R.T. 0.006 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

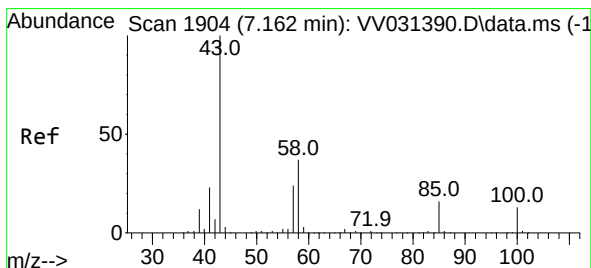
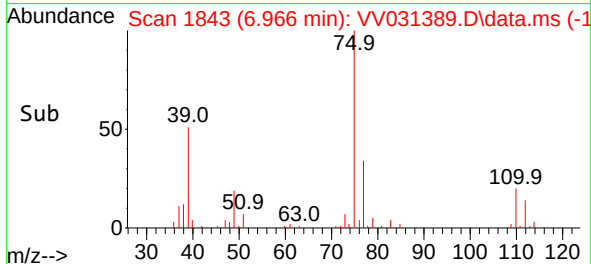
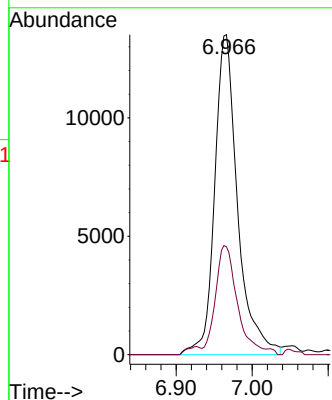
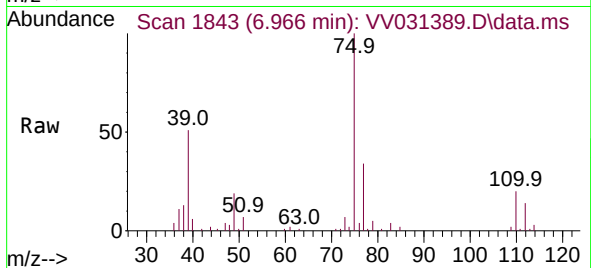
VSTD010228

Tgt Ion: 75 Resp: 28314

Ion Ratio Lower Upper

75 100

77 33.7 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 18.486 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

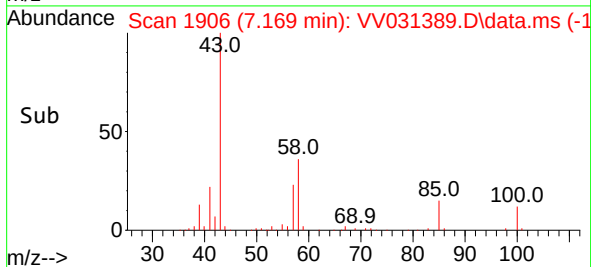
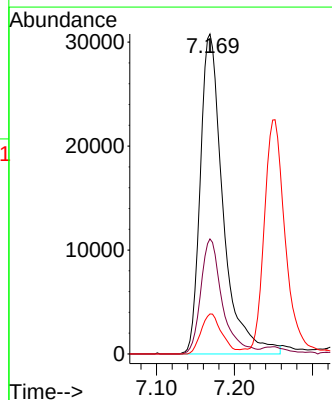
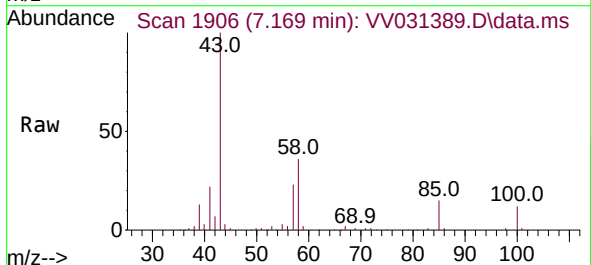
Tgt Ion: 43 Resp: 62529

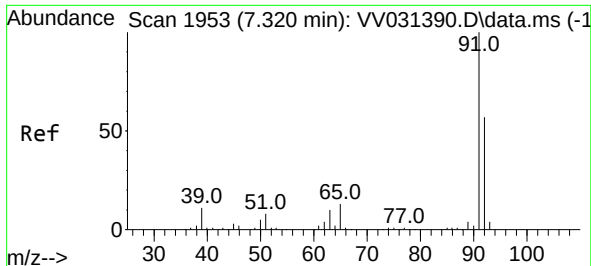
Ion Ratio Lower Upper

43 100

58 34.1 29.9 44.9

100 11.5 10.3 15.5





#42

Toluene

Concen: 9.692 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

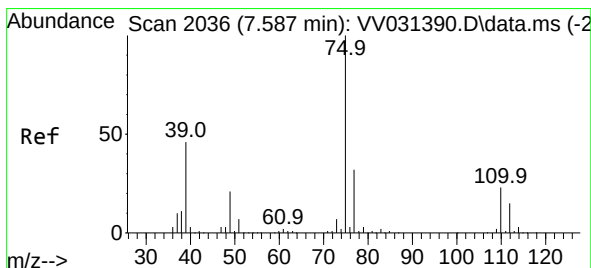
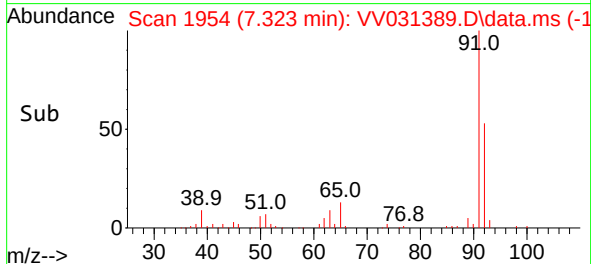
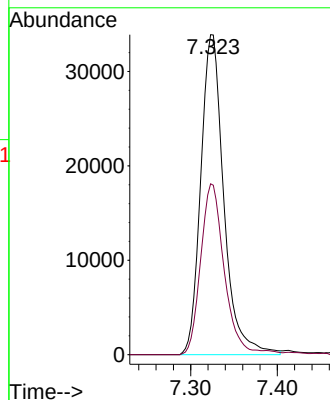
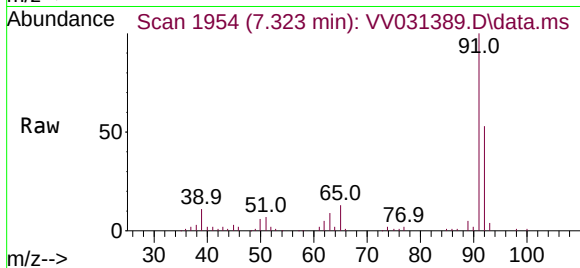
VSTD010228

Tgt Ion: 91 Resp: 62756

Ion Ratio Lower Upper

91 100

92 53.4 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 9.148 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV031389.D

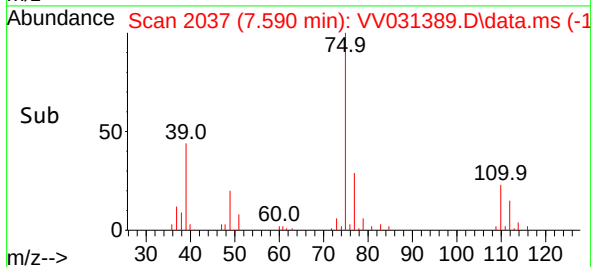
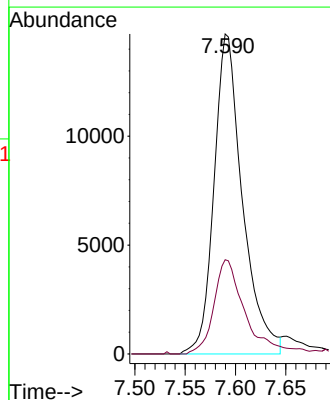
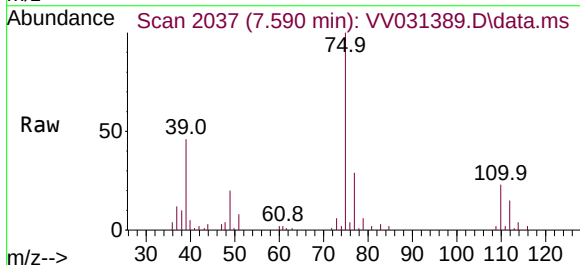
Acq: 07 Jun 2023 10:51

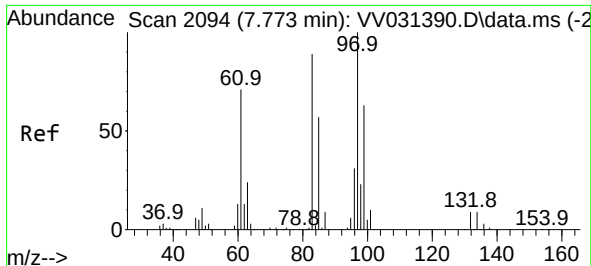
Tgt Ion: 75 Resp: 28866

Ion Ratio Lower Upper

75 100

77 29.4 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 9.747 ug/L

RT: 7.776 min Scan# 2097

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD010228

Tgt Ion: 97 Resp: 20977

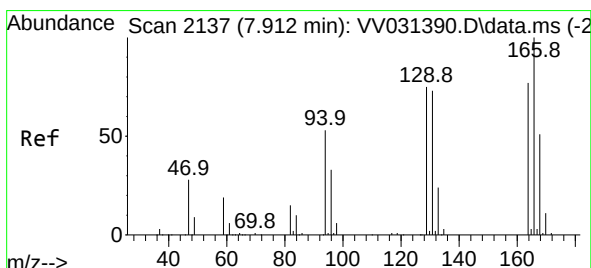
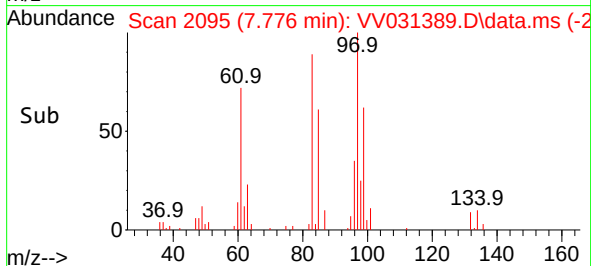
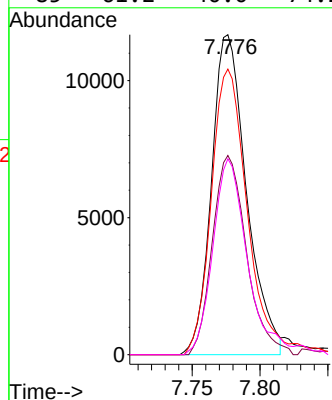
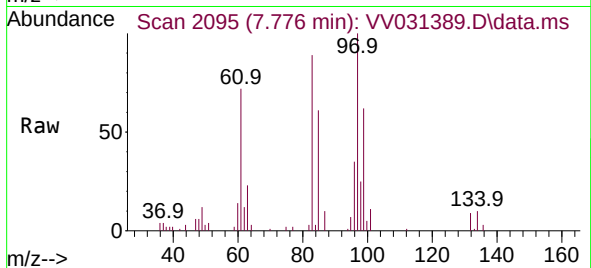
Ion Ratio Lower Upper

97 100

99 62.3 43.8 81.4

83 89.3 61.9 115.1

85 61.2 40.0 74.2



#46

Tetrachloroethene

Concen: 10.230 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Tgt Ion:164 Resp: 12104

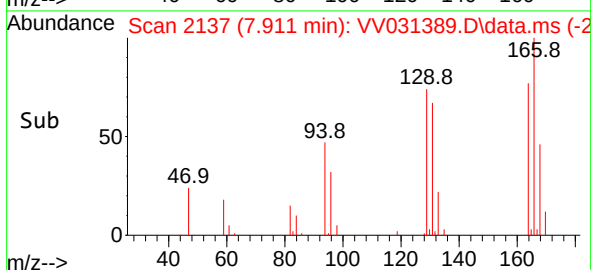
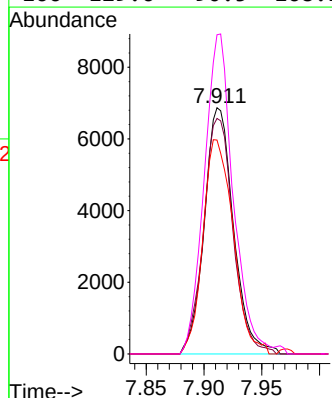
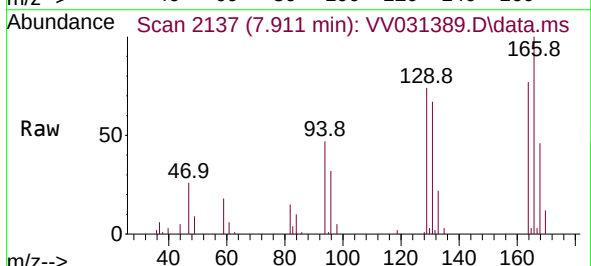
Ion Ratio Lower Upper

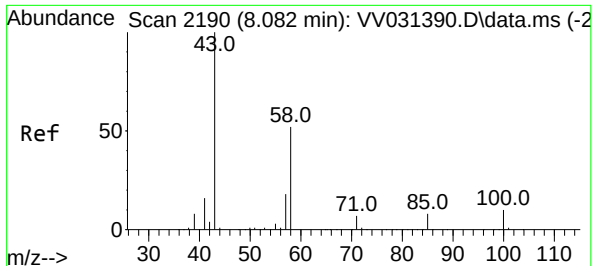
164 100

129 95.6 68.0 126.4

131 90.0 65.5 121.7

166 129.6 90.5 168.1

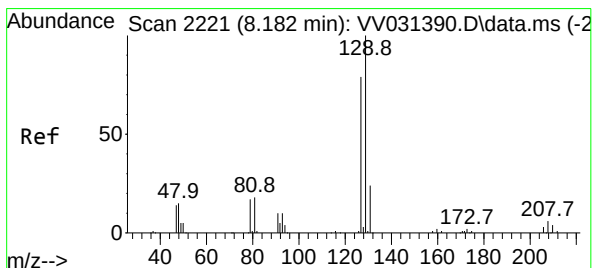
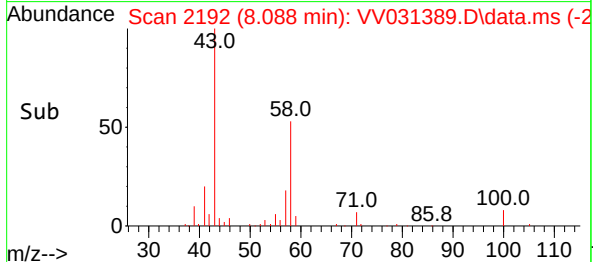
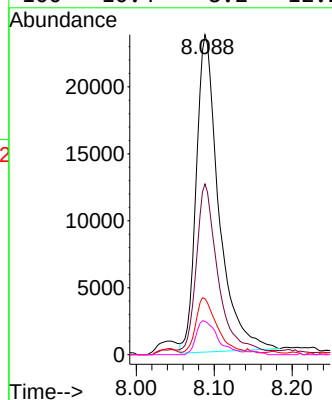
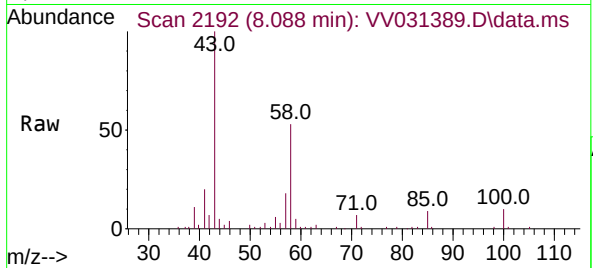




#48
2-Hexanone
Concen: 17.994 ug/L
RT: 8.088 min Scan# 2190
Delta R.T. 0.006 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

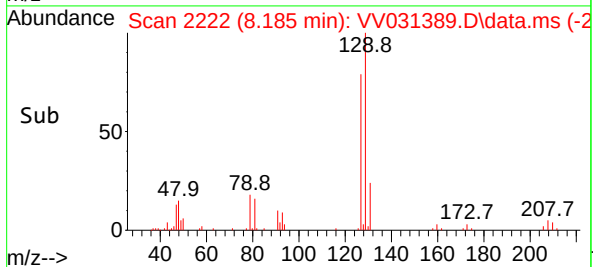
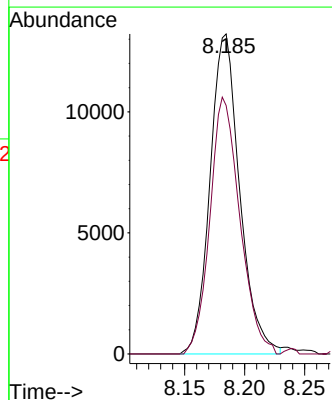
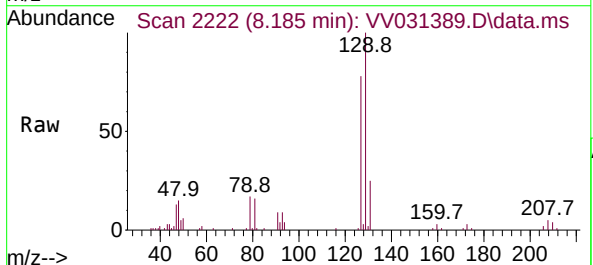
Instrument :
MSVOA_V
ClientSampleId :
VSTD010228

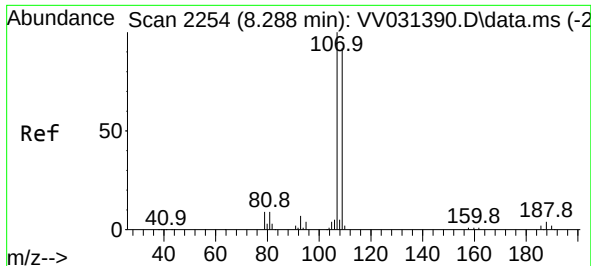
Tgt Ion: 43	Resp: 47640
Ion Ratio	Lower Upper
43 100	
58 50.3	42.9 64.3
57 17.5	14.6 22.0
100 10.4	8.2 12.2



#49
Dibromochloromethane
Concen: 9.688 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

Tgt Ion:129	Resp:	22745	
Ion	Ratio	Lower	Upper
129	100		
127	77.7	55.5	103.1





#50

1,2-Dibromoethane

Concen: 10.156 ug/L

RT: 8.291 min Scan# 21043

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD010228

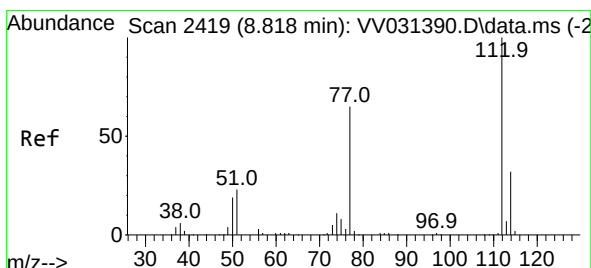
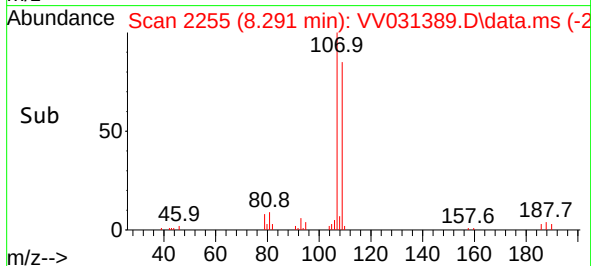
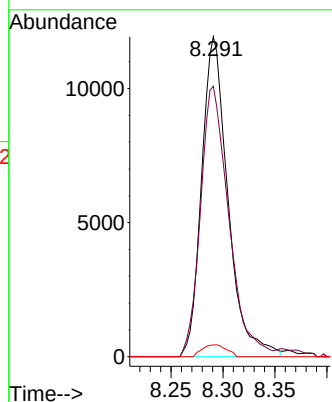
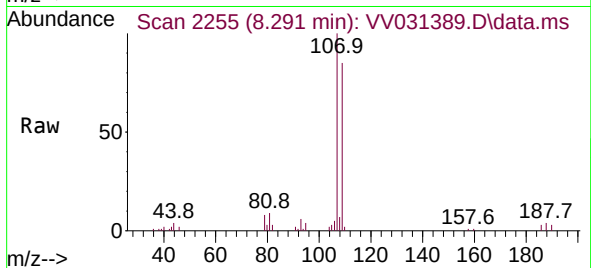
Tgt Ion:107 Resp: 21043

Ion Ratio Lower Upper

107 100

109 84.5 64.1 119.1

188 3.6 3.3 4.9



#51

Chlorobenzene

Concen: 10.088 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

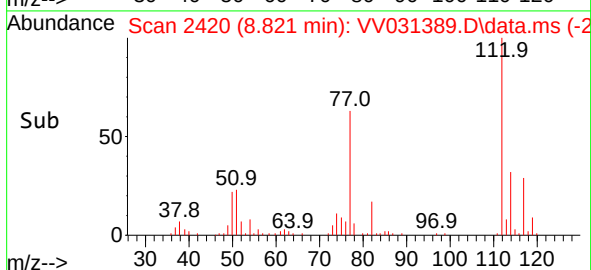
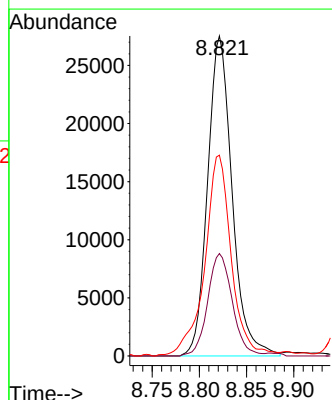
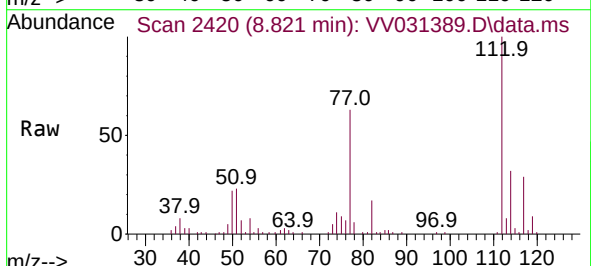
Tgt Ion:112 Resp: 49667

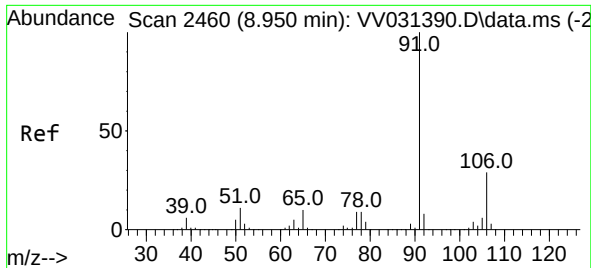
Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

77 62.8 52.4 78.6

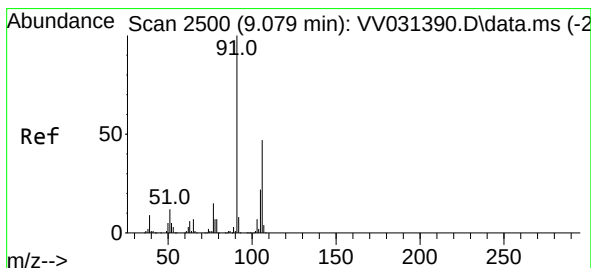
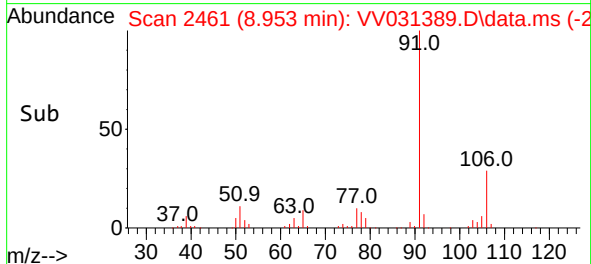
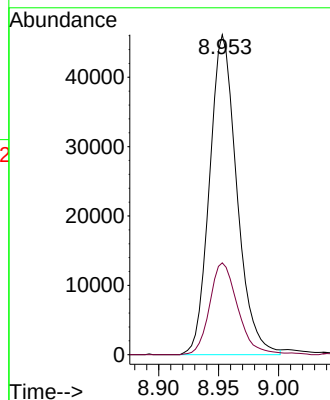
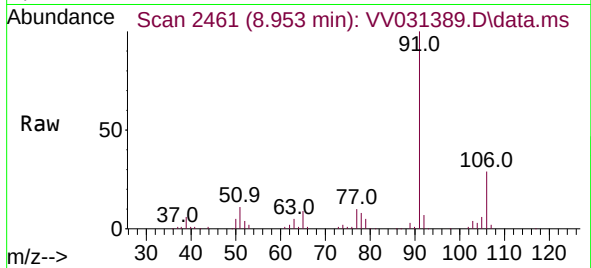




#52
Ethylbenzene
Concen: 9.068 ug/L
RT: 8.953 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

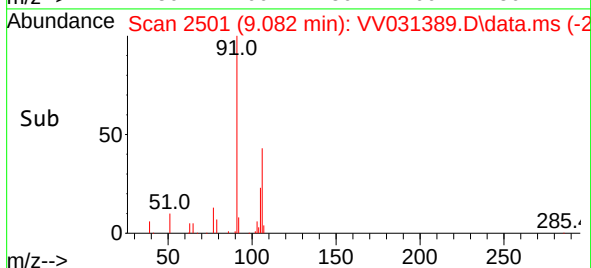
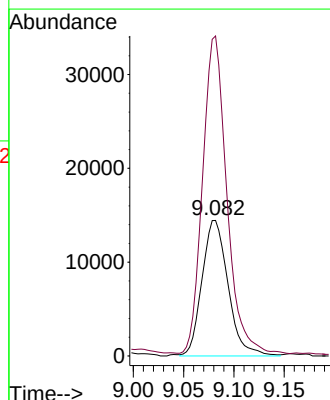
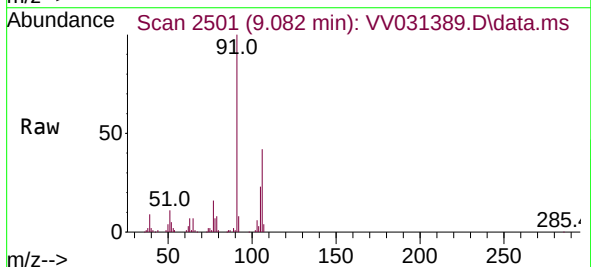
Instrument :
MSVOA_V
ClientSampleId :
VSTD010228

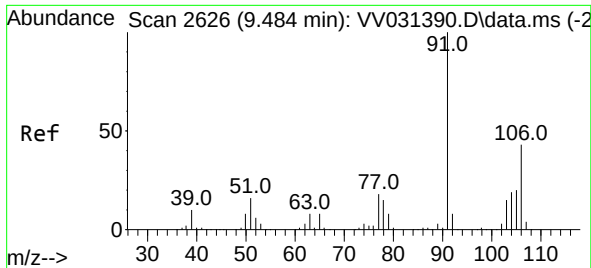
Tgt Ion: 91 Resp: 73072
Ion Ratio Lower Upper
91 100
106 28.7 20.4 38.0



#53
m,p-Xylene
Concen: 8.982 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

Tgt Ion: 106 Resp: 26084
Ion Ratio Lower Upper
106 100
91 236.0 149.4 277.5

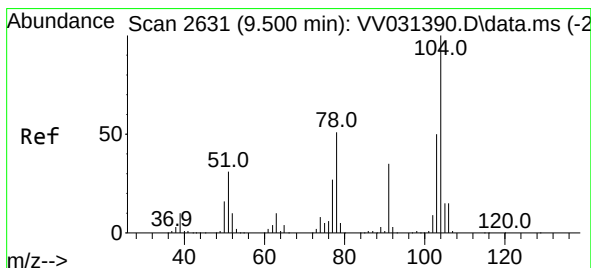
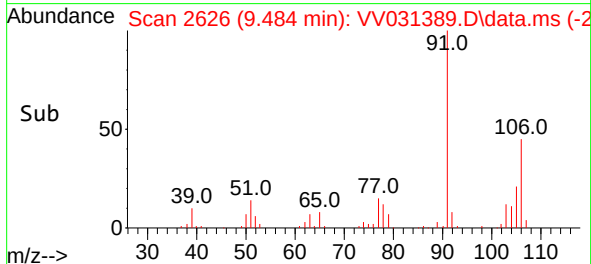
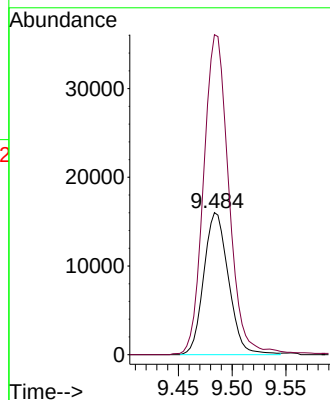
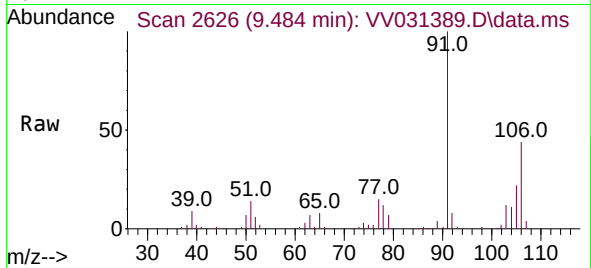




#54
o-Xylene
Concen: 8.768 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

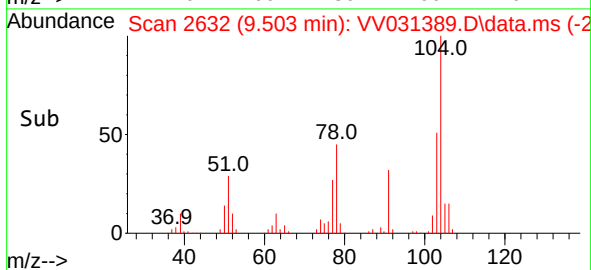
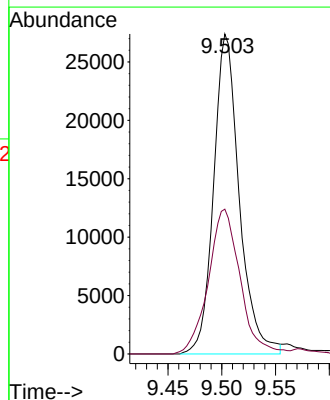
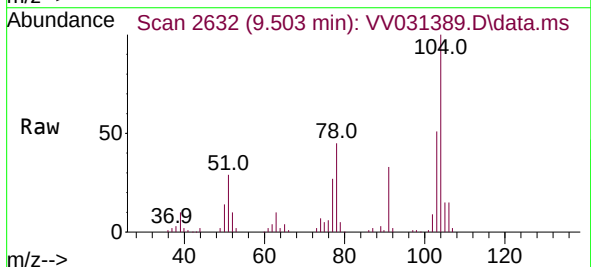
Instrument :
MSVOA_V
ClientSampleId :
VSTD010228

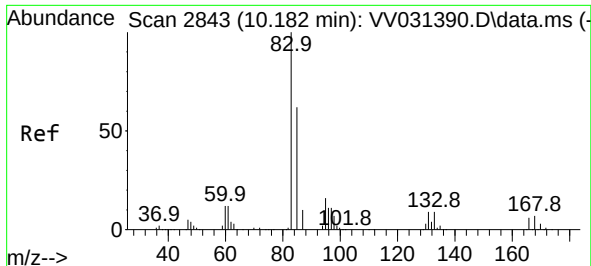
Tgt Ion:106 Resp: 25686
Ion Ratio Lower Upper
106 100
91 225.2 163.8 304.2



#55
Styrene
Concen: 8.517 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.003 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

Tgt Ion:104 Resp: 45489
Ion Ratio Lower Upper
104 100
78 45.2 35.9 66.7





#57

1,1,2,2-Tetrachloroethane

Concen: 9.718 ug/L

RT: 10.185 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD010228

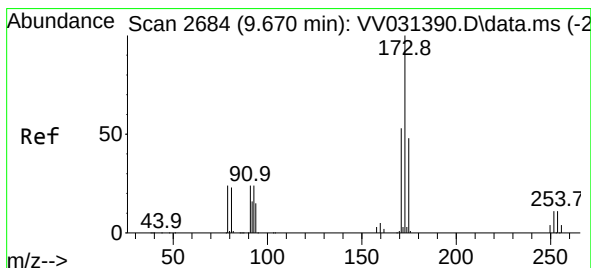
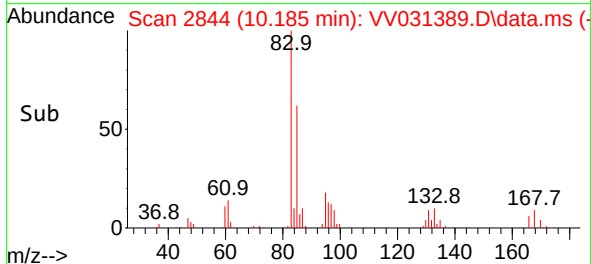
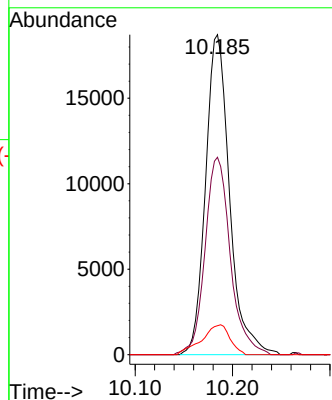
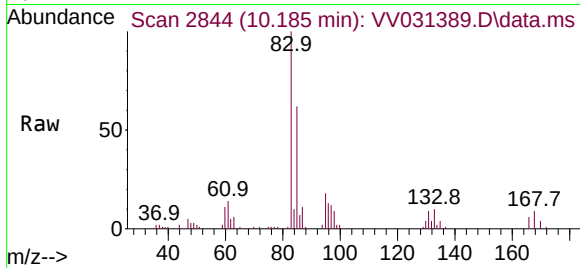
Tgt Ion: 83 Resp: 32060

Ion Ratio Lower Upper

83 100

85 61.7 43.7 81.1

131 9.0 7.3 10.9



#59

Bromoform

Concen: 10.214 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

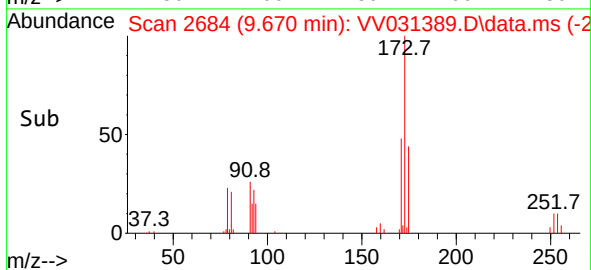
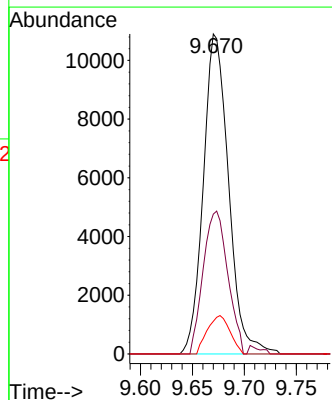
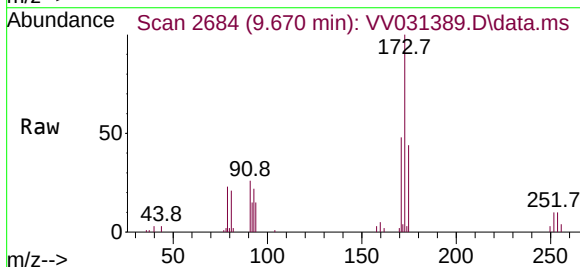
Tgt Ion: 173 Resp: 18443

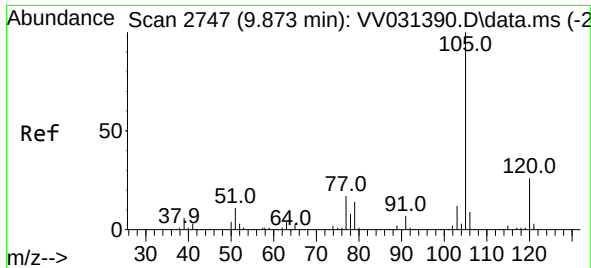
Ion Ratio Lower Upper

173 100

175 43.4 38.8 58.2

254 10.7 8.7 13.1

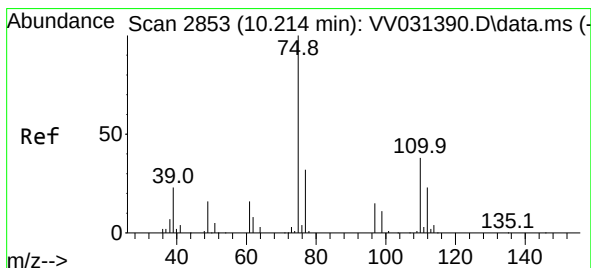
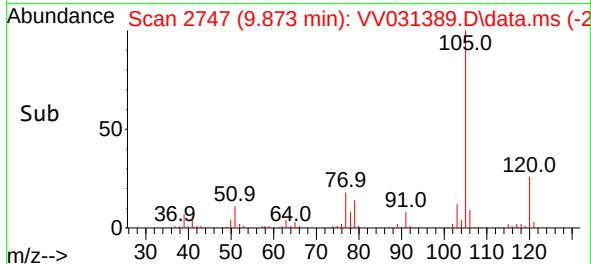
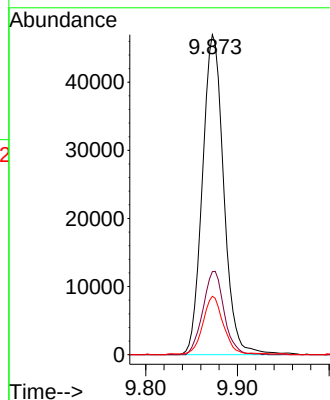
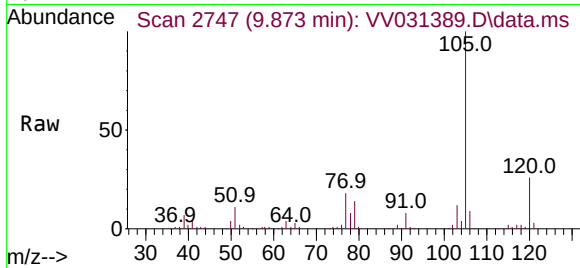




#60
Isopropylbenzene
Concen: 9.424 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

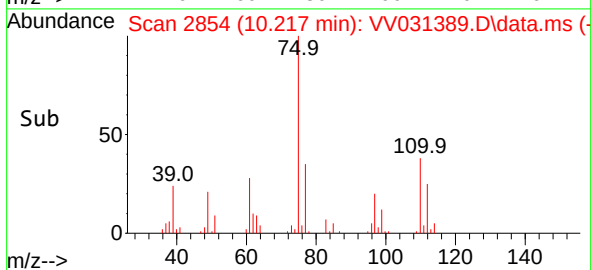
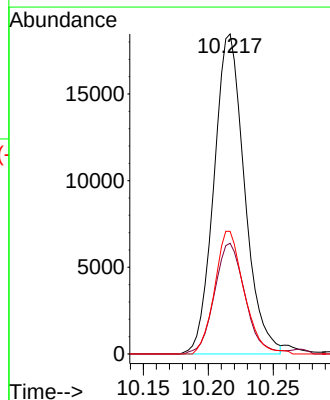
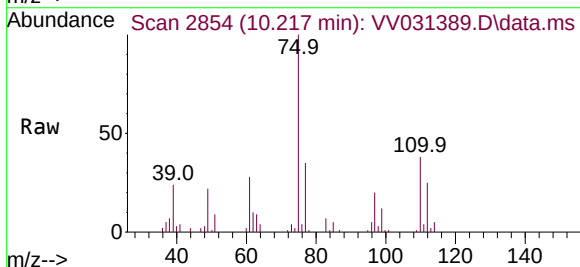
Instrument :
MSVOA_V
ClientSampleId :
VSTD010228

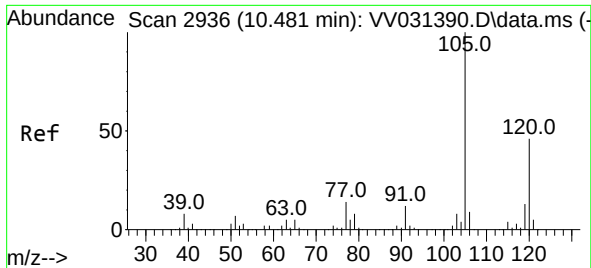
Tgt Ion:105 Resp: 75886
Ion Ratio Lower Upper
105 100
120 25.9 20.6 30.8
77 17.0 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 10.592 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.003 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

Tgt Ion: 75 Resp: 30215
Ion Ratio Lower Upper
75 100
77 34.3 25.6 38.4
110 36.4 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 9.061 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

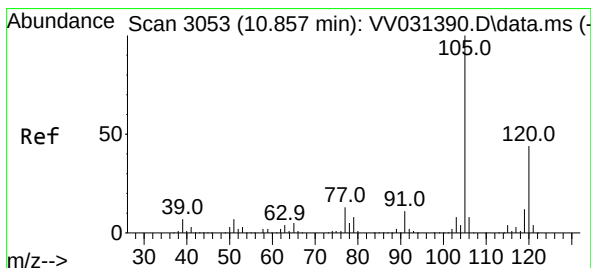
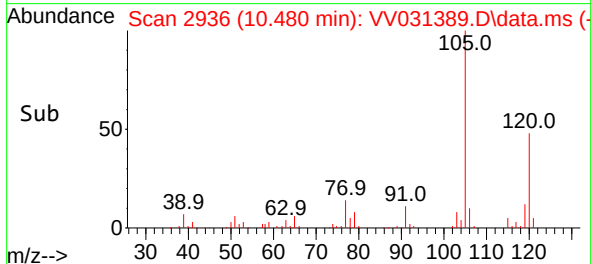
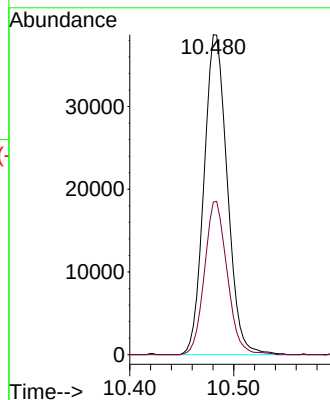
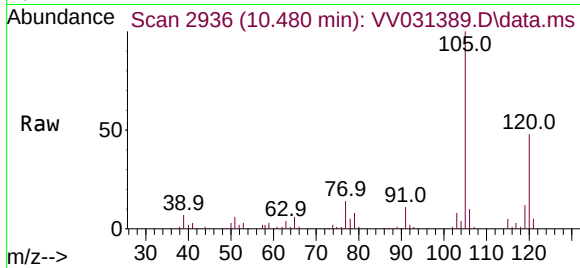
VSTD010228

Tgt Ion:105 Resp: 60255

Ion Ratio Lower Upper

105 100

120 46.7 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 8.708 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VV031389.D

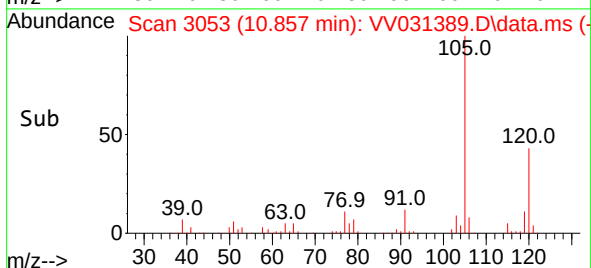
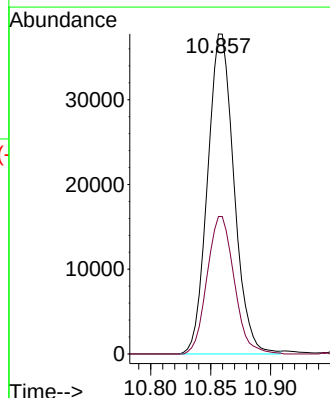
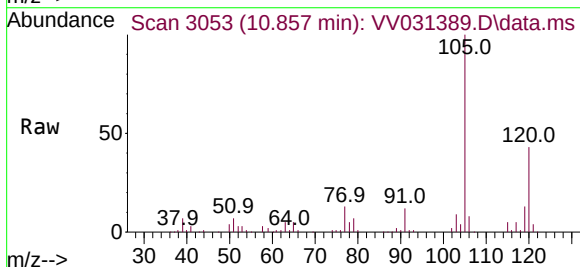
Acq: 07 Jun 2023 10:51

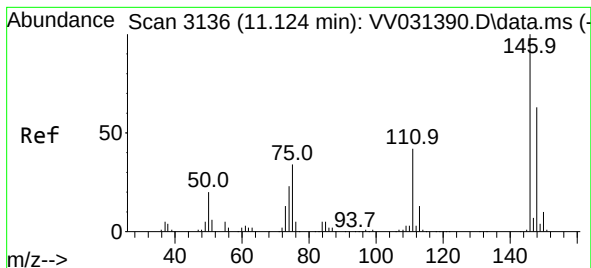
Tgt Ion:105 Resp: 57968

Ion Ratio Lower Upper

105 100

120 44.0 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 10.006 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD010228

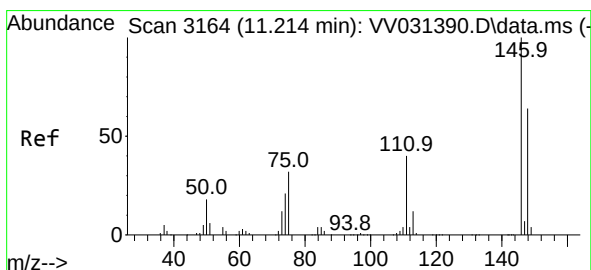
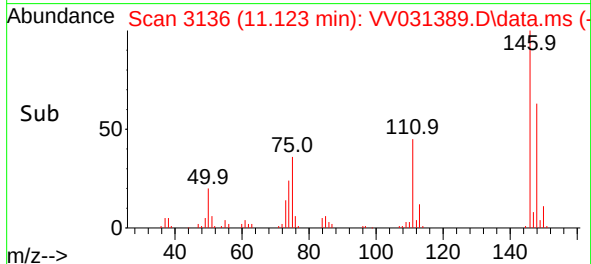
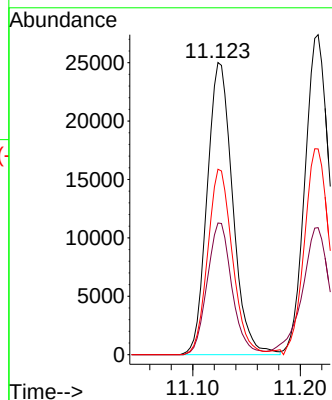
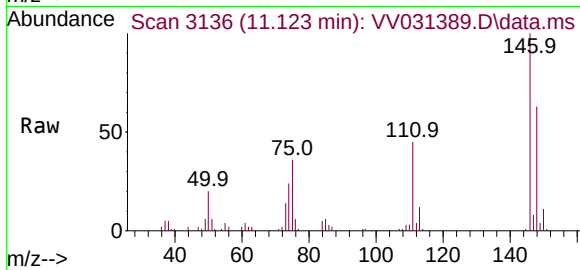
Tgt Ion:146 Resp: 41242

Ion Ratio Lower Upper

146 100

111 45.1 29.3 54.5

148 63.5 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 10.063 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

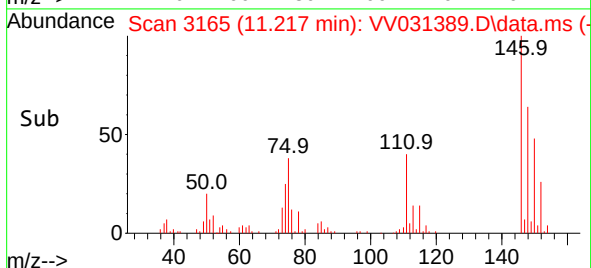
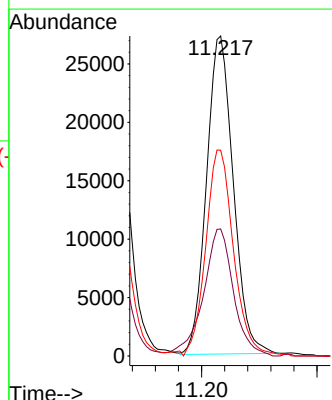
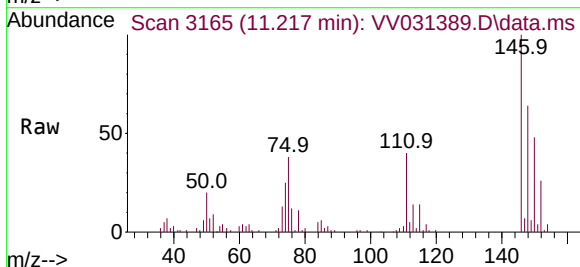
Tgt Ion:146 Resp: 43868

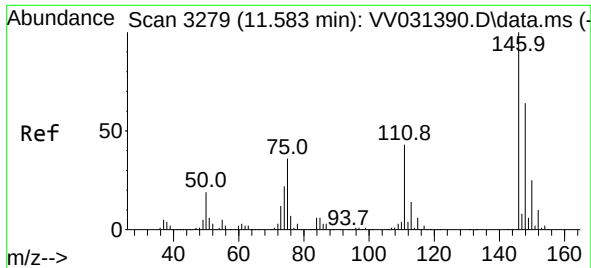
Ion Ratio Lower Upper

146 100

111 39.7 28.1 52.3

148 64.3 45.1 83.7

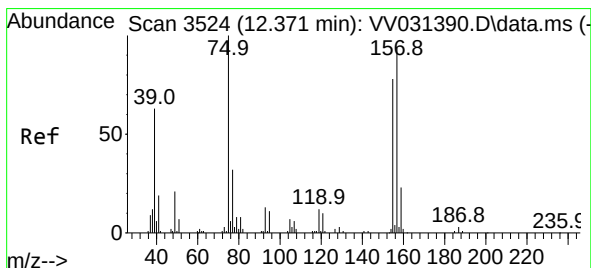
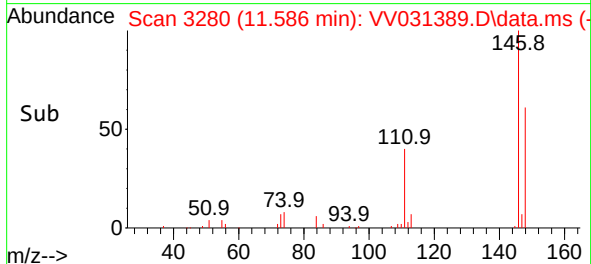
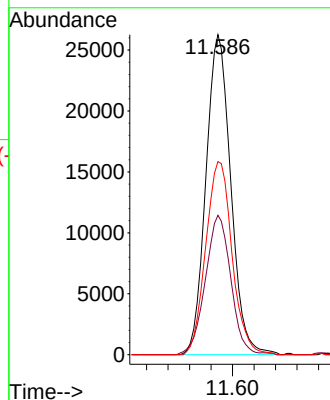
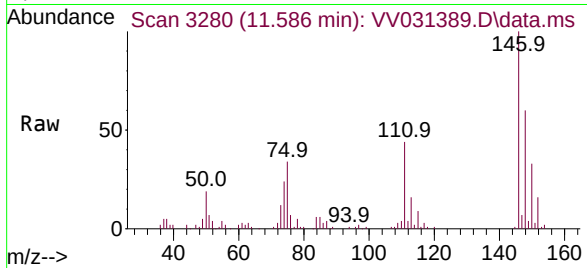




#67
1,2-Dichlorobenzene
Concen: 9.974 ug/L
RT: 11.586 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

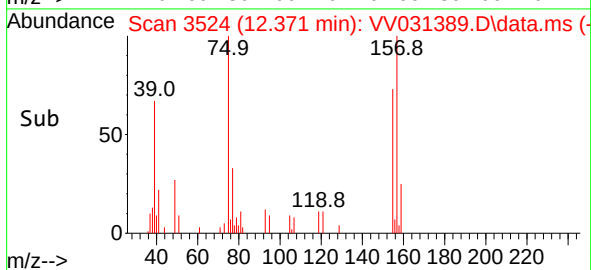
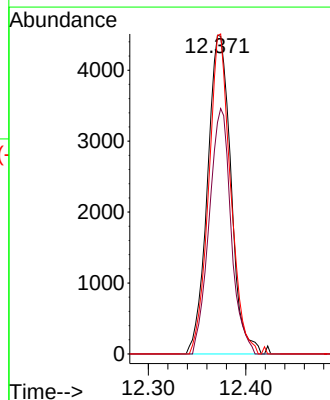
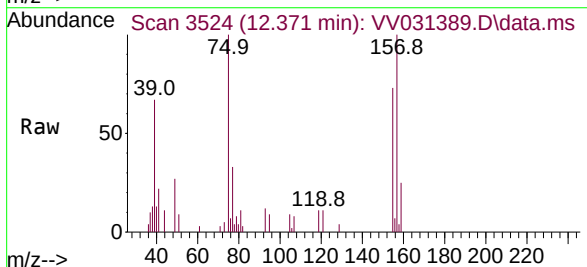
Instrument :
MSVOA_V
ClientSampleId :
VSTD010228

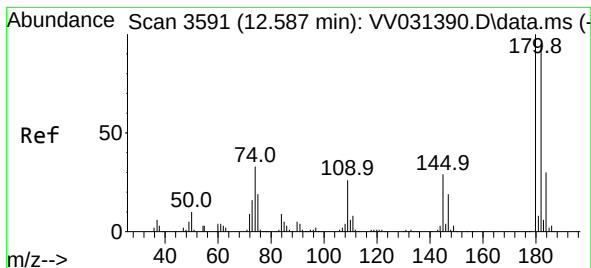
Tgt Ion:146 Resp: 42142
Ion Ratio Lower Upper
146 100
111 43.6 34.5 51.7
148 60.4 51.5 77.3



#68
1,2-Dibromo-3-chloropropane
Concen: 9.931 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.000 min
Lab File: VV031389.D
Acq: 07 Jun 2023 10:51

Tgt Ion: 75 Resp: 7509
Ion Ratio Lower Upper
75 100
155 72.6 62.1 93.1
157 99.9 74.9 112.3





#69

1,3,5-Trichlorobenzene

Concen: 9.562 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD010228

Tgt Ion:180 Resp: 30341

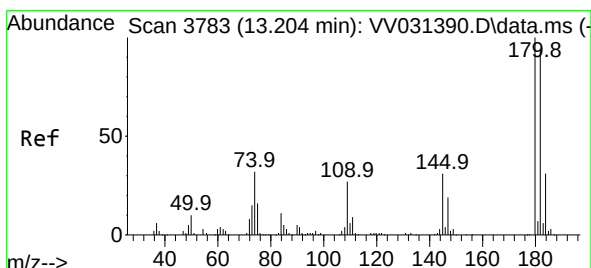
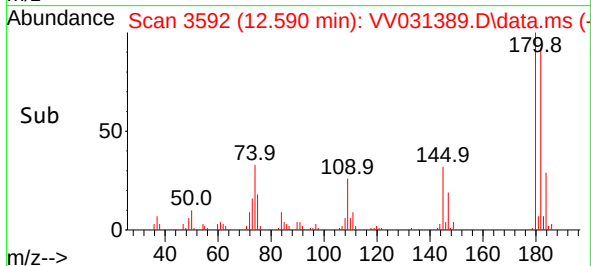
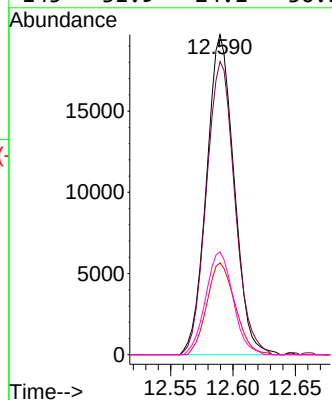
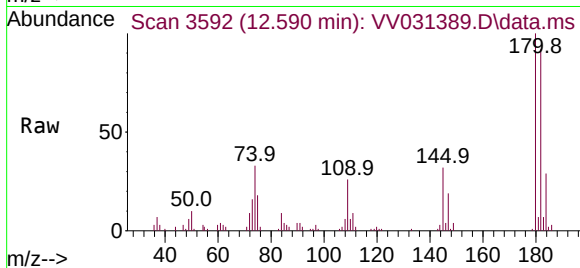
Ion Ratio Lower Upper

180 100

182 94.2 75.7 113.5

184 29.3 23.9 35.9

145 31.9 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 8.836 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

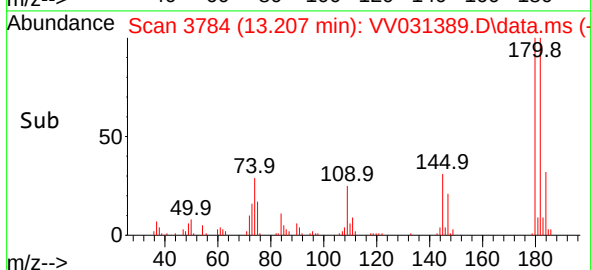
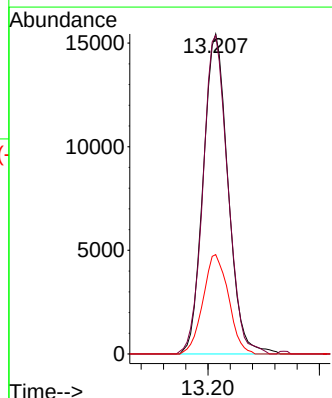
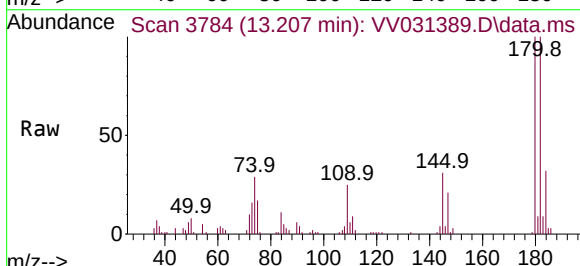
Tgt Ion:180 Resp: 23921

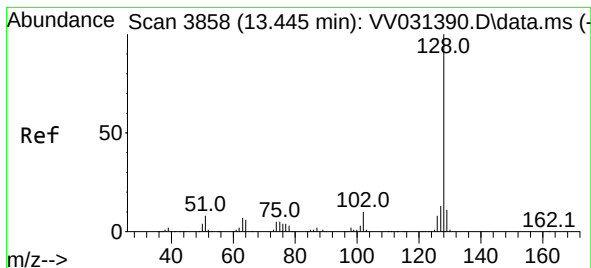
Ion Ratio Lower Upper

180 100

182 99.4 77.0 115.6

145 31.9 24.2 36.2





#71

Naphthalene

Concen: 7.836 ug/L

RT: 13.448 min Scan# 3858

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD010228

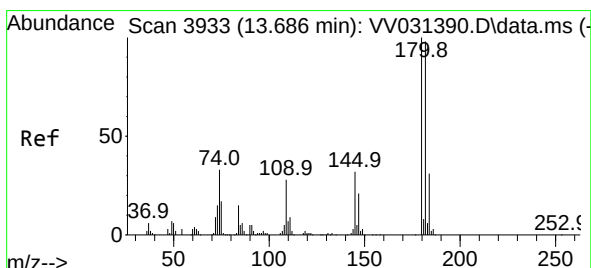
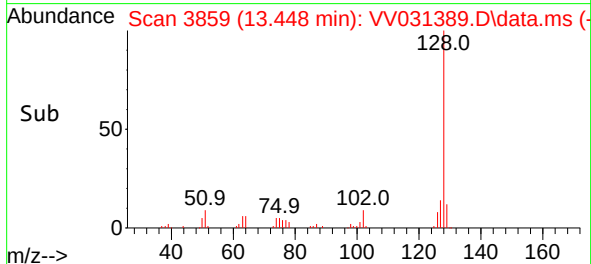
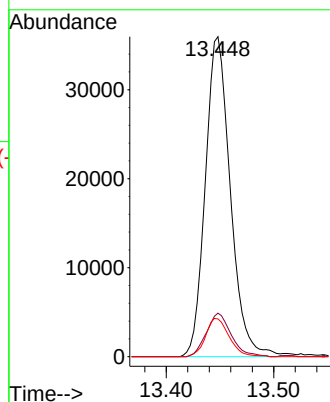
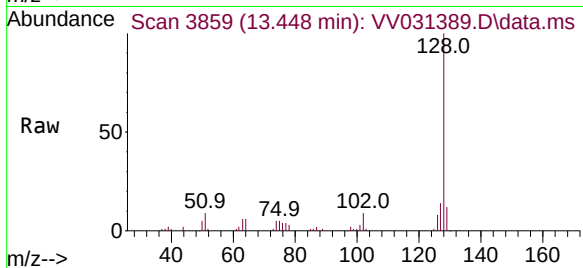
Tgt Ion:128 Resp: 58144

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

129 11.3 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 9.029 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031389.D

Acq: 07 Jun 2023 10:51

Tgt Ion:180 Resp: 24501

Ion Ratio Lower Upper

180 100

182 99.8 77.4 116.2

145 31.1 25.6 38.4

