

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090923\
 Data File : VV031989.D
 Acq On : 09 Sep 2023 09:55
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 09 21:44:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 25 00:56:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	134711	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	131800	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	70586	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	23071	5.071	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 101.400%		
7) Chloroethane-d5	1.532	69	28108	5.393	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 107.800%		
11) 1,1-Dichloroethene-d2	2.059	65	13375	4.995	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 99.800%		
20) 2-Butanone-d5	3.799	46	112590	51.120	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	= 102.240%		
24) Chloroform-d	4.252	84	67076	4.356	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 87.200%		
26) 1,2-Dichloroethane-d4	4.947	65	34477	4.345	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 87.000%		
32) Benzene-d6	4.963	84	131469	4.384	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 87.600%		
36) 1,2-Dichloropropane-d6	5.992	67	44586	4.216	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 84.400%		
41) Toluene-d8	7.246	98	118694	4.265	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 85.200%		
43) trans-1,3-Dichloroprop...	7.561	79	14484	3.756	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 75.200%		
46) 2-Hexanone-d5	8.027	63	90978	44.247	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 88.500%		
56) 1,1,2,2-Tetrachloroeth...	10.156	84	33696	4.441	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 88.800%		
66) 1,2-Dichlorobenzene-d4	11.564	152	43072	3.768	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 75.400%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	29082	3.780	ug/L	99
3) Chloromethane	1.217	50	34438	4.178	ug/L	96
5) Vinyl chloride	1.281	62	35111	4.156	ug/L	96
6) Bromomethane	1.487	94	19988	3.785	ug/L	99
8) Chloroethane	1.548	64	24090	4.465	ug/L	97
9) Trichlorofluoromethane	1.712	101	47141	4.326	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	29827	4.589	ug/L	95
12) 1,1-Dichloroethene	2.069	96	26022	4.291	ug/L	96
13) Acetone	2.127	43	74663	57.533	ug/L	73
14) Carbon disulfide	2.240	76	66420	3.894	ug/L	98
15) Methyl Acetate	2.381	43	16319	6.170	ug/L	98
16) Methylene chloride	2.449	84	35128	3.562	ug/L	93
17) Methyl tert-butyl Ether	2.706	73	92084	4.894	ug/L	97
18) trans-1,2-Dichloroethene	2.696	96	29898	4.349	ug/L	99
19) 1,1-Dichloroethane	3.114	63	68699	4.852	ug/L	99
21) 2-Butanone	3.879	43	110928	60.347	ug/L	88
22) cis-1,2-Dichloroethene	3.815	96	37412	4.725	ug/L	100
23) Bromochloromethane	4.153	128	15405	4.903	ug/L	97
25) Chloroform	4.278	83	67191	4.656	ug/L	96

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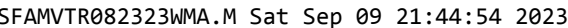
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 MSVOA_V
 ClientSampleId :

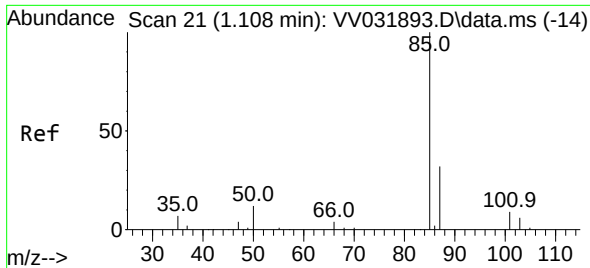
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 25 00:56:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	40437	4.686	ug/L	98
29) 1,1,1-Trichloroethane	4.513	97	54900	4.312	ug/L	98
30) Cyclohexane	4.583	56	54139	4.138	ug/L	99
31) Carbon tetrachloride	4.738	117	44614	4.333	ug/L	99
33) Benzene	5.011	78	138166	4.551	ug/L	100
34) Trichloroethene	5.837	95	36660	4.131	ug/L	96
35) Methylcyclohexane	6.053	83	53516	4.143	ug/L	98
37) 1,2-Dichloropropane	6.098	63	37634	4.499	ug/L	99
38) Bromodichloromethane	6.436	83	49092	4.534	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	56790	4.463	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	282400	53.866	ug/L	97
42) Toluene	7.320	91	145218	4.305	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	48284	4.545	ug/L	97
45) 1,1,2-Trichloroethane	7.773	97	27176	4.539	ug/L	98
47) Tetrachloroethene	7.908	164	24993	4.409	ug/L	98
48) 2-Hexanone	8.079	43	202544	51.710	ug/L	99
49) Dibromochloromethane	8.181	129	28934	4.637	ug/L	99
50) 1,2-Dibromoethane	8.288	107	24123	4.455	ug/L	99
51) Chlorobenzene	8.818	112	93644	4.385	ug/L	100
52) Ethylbenzene	8.950	91	168046	4.334	ug/L	100
53) m,p-Xylene	9.075	106	62942	4.310	ug/L	99
54) o-Xylene	9.480	106	61010	4.323	ug/L	100
55) Styrene	9.500	104	105674	4.340	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	32140	5.302	ug/L	100
59) Bromoform	9.670	173	14908	4.470	ug/L	99
60) Isopropylbenzene	9.869	105	168562	4.296	ug/L	100
61) 1,2,3-Trichloropropane	10.213	75	25160	4.839	ug/L	94
62) 1,3,5-Trimethylbenzene	10.480	105	141817	4.217	ug/L	98
63) 1,2,4-Trimethylbenzene	10.857	105	139967	4.235	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	75998	4.374	ug/L	99
65) 1,4-Dichlorobenzene	11.213	146	77405	4.336	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	71010	4.465	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	5211	4.425	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.586	180	55360	4.286	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	50263	4.268	ug/L	97
71) Naphthalene	13.445	128	96688	4.359	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	42996	4.336	ug/L	100

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

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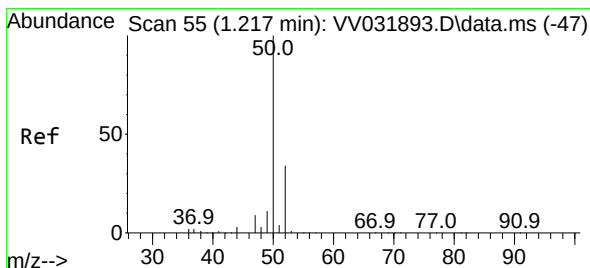
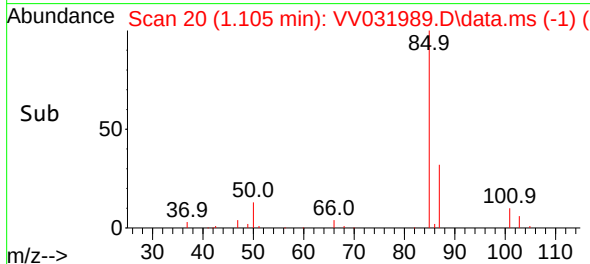
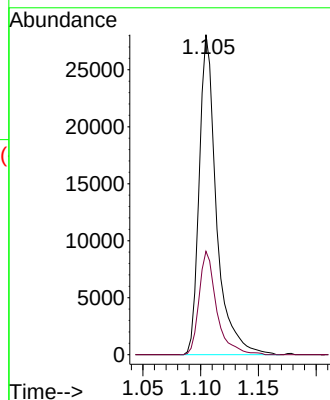
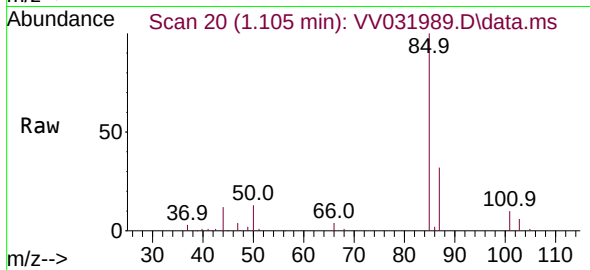




#2
 Dichlorodifluoromethane
 Concen: 3.780 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV031989.D
 Acq: 09 Sep 2023 09:55

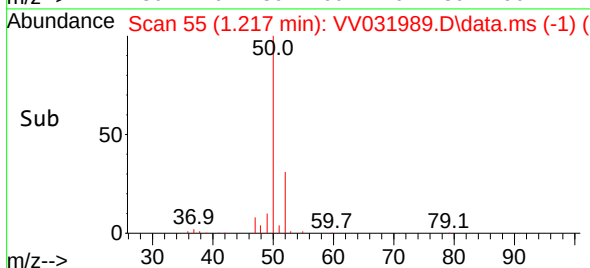
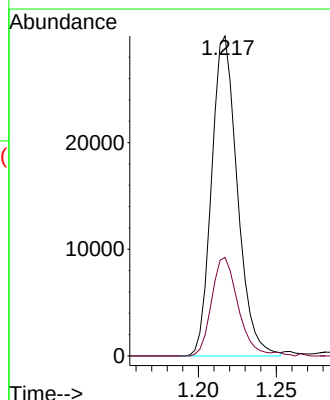
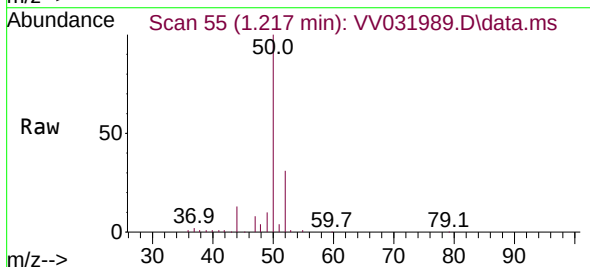
Instrument :
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 ClientSampleId :

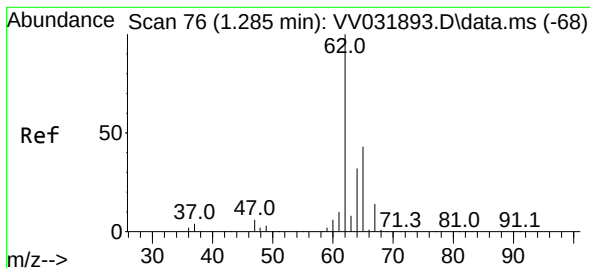
Tgt Ion: 85 Resp: 29082
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.7 38.5



#3
 Chloromethane
 Concen: 4.178 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031989.D
 Acq: 09 Sep 2023 09:55

Tgt Ion: 50 Resp: 34438
 Ion Ratio Lower Upper
 50 100
 52 30.8 23.3 43.3





#5

Vinyl chloride

Concen: 4.156 ug/L

RT: 1.281 min Scan# 76

Delta R.T. -0.003 min

Lab File: VV031893.D

Acq: 09 Sep 2023 09:55

Instrument :

MSVOA_V

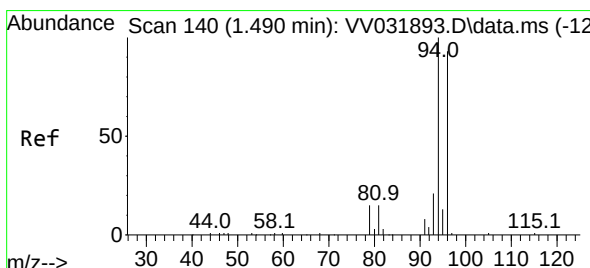
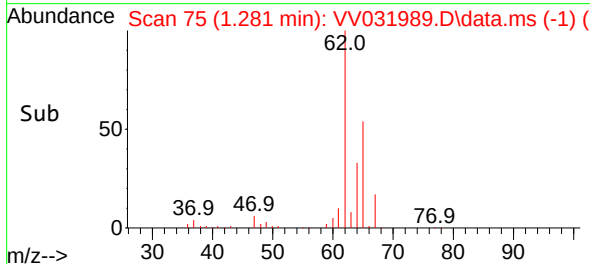
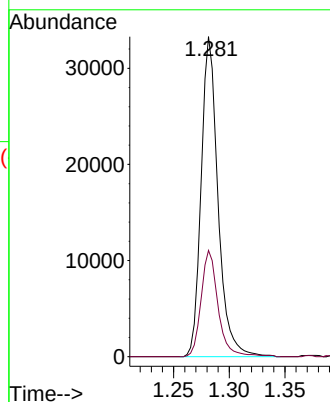
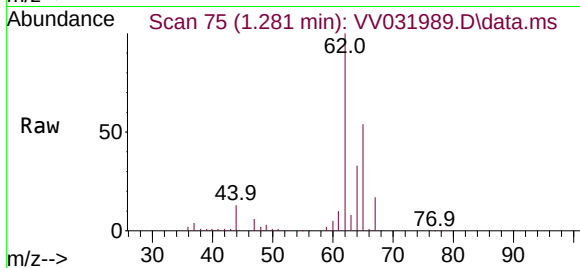
ClientSampleId :

Tgt Ion: 62 Resp: 35111

Ion Ratio Lower Upper

62 100

64 33.2 21.7 40.3



#6

Bromomethane

Concen: 3.785 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.003 min

Lab File: VV031893.D

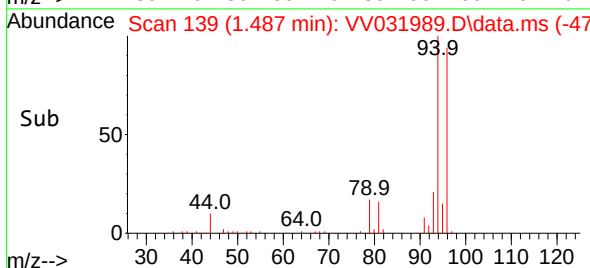
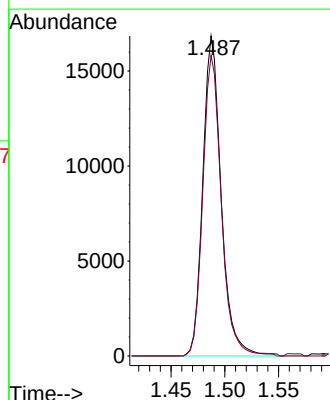
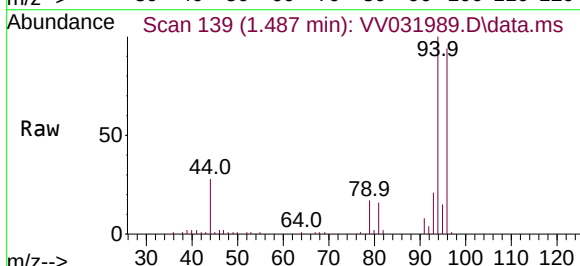
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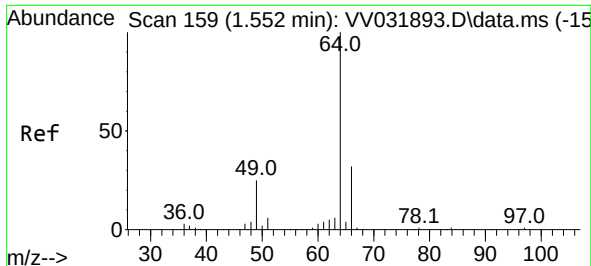
Tgt Ion: 94 Resp: 19988

Ion Ratio Lower Upper

94 100

96 93.9 65.0 120.8

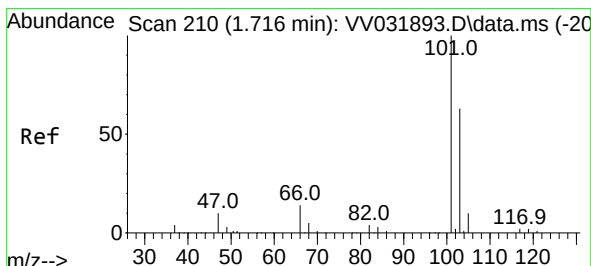
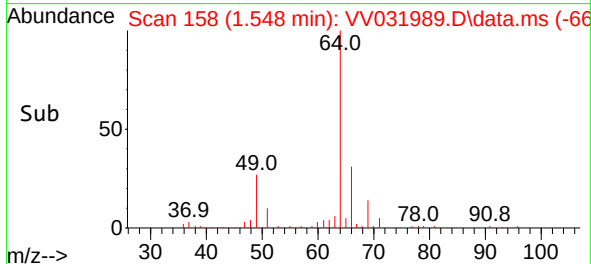
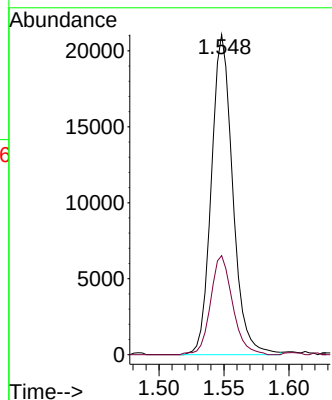
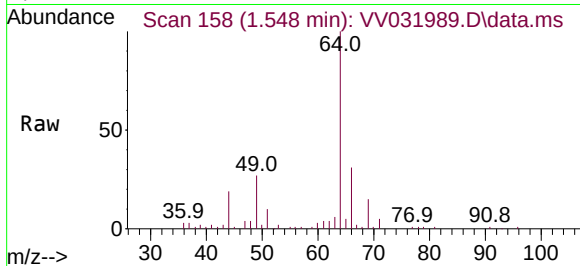




#8
Chloroethane
Concen: 4.465 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

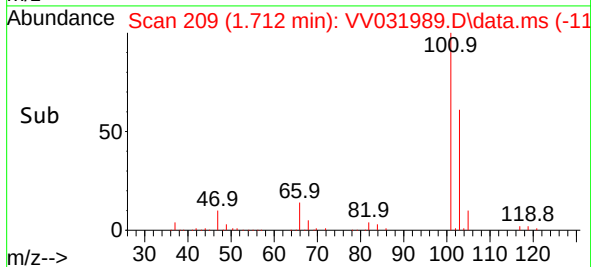
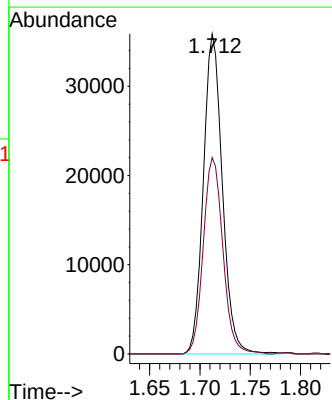
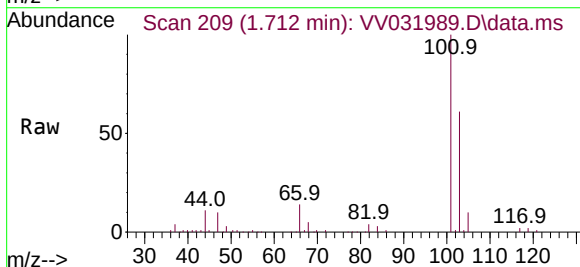
Instrument :
MSVOA_V
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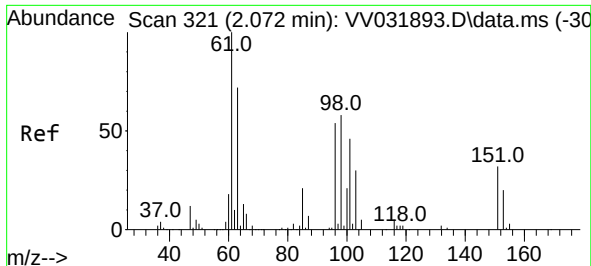
Tgt Ion: 64 Resp: 24090
Ion Ratio Lower Upper
64 100
66 30.9 22.8 42.4



#9
Trichlorofluoromethane
Concen: 4.326 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

Tgt Ion:101 Resp: 47141
Ion Ratio Lower Upper
101 100
103 63.3 50.5 75.7

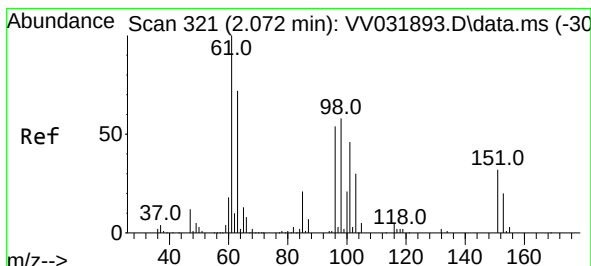
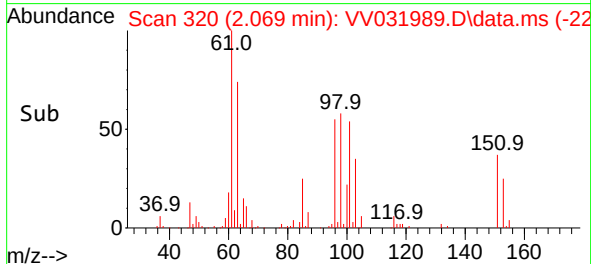
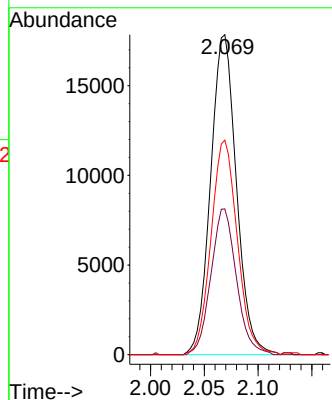
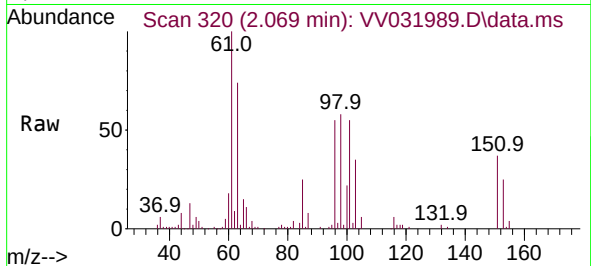




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.589 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV031989.D
 Acq: 09 Sep 2023 09:55

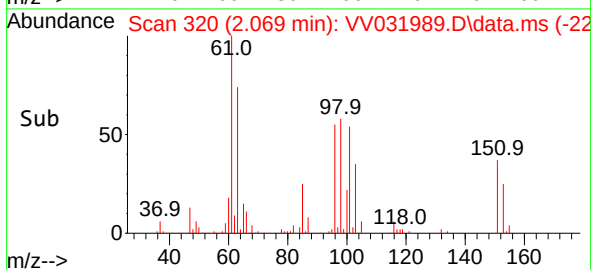
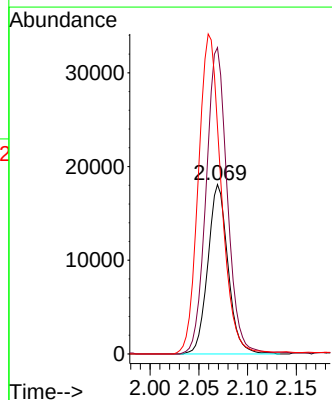
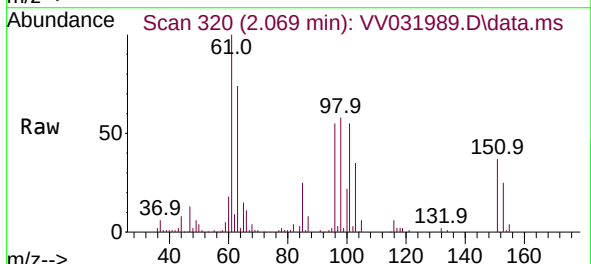
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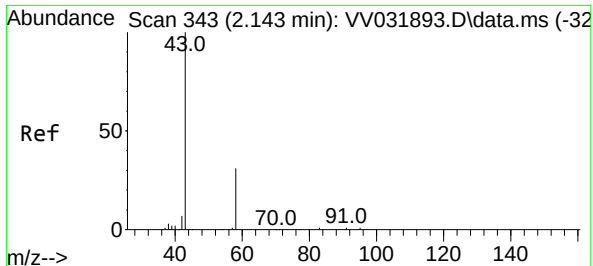
Tgt Ion:101 Resp: 29827
 Ion Ratio Lower Upper
 101 100
 85 45.0 38.3 57.5
 151 68.3 58.5 87.7



#12
 1,1-Dichloroethene
 Concen: 4.291 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.003 min
 Lab File: VV031989.D
 Acq: 09 Sep 2023 09:55

Tgt Ion: 96 Resp: 26022
 Ion Ratio Lower Upper
 96 100
 61 180.8 129.0 239.6
 63 134.2 99.0 183.8





#13

Acetone

Concen: 57.533 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.020 min

Lab File: VV031989.D

Acq: 09 Sep 2023 09:55

Instrument :

MSVOA_V

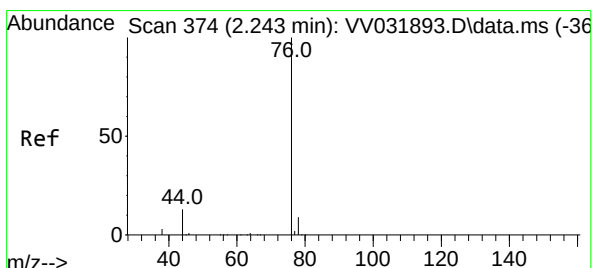
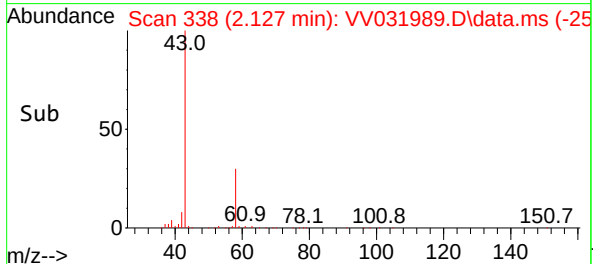
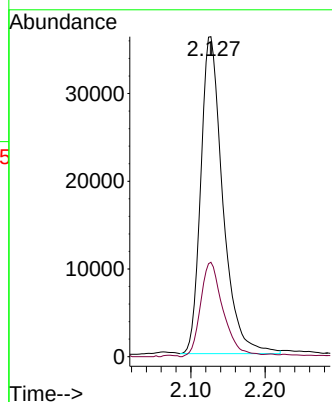
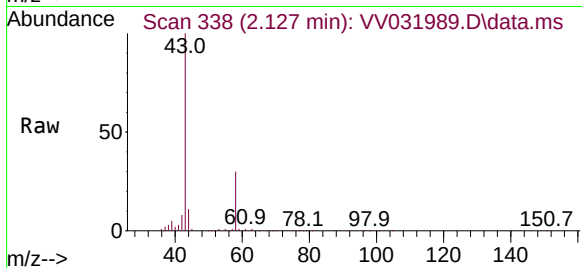
ClientSampleId :

Tgt Ion: 43 Resp: 74663

Ion Ratio Lower Upper

43 100

58 30.7 0.0 37.0



#14

Carbon disulfide

Concen: 3.894 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV031989.D

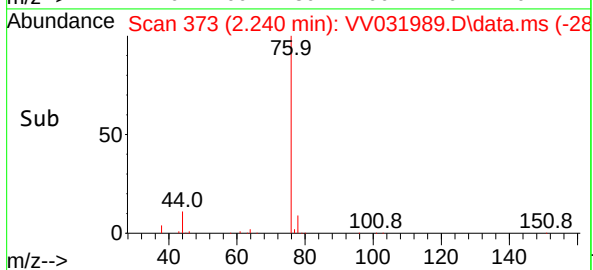
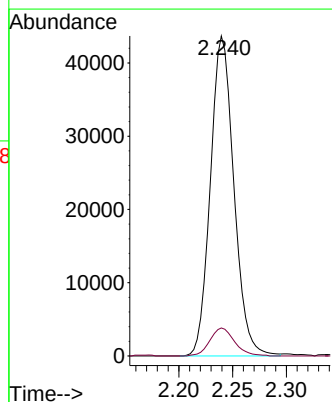
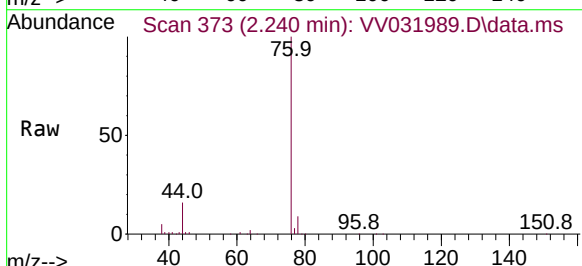
Acq: 09 Sep 2023 09:55

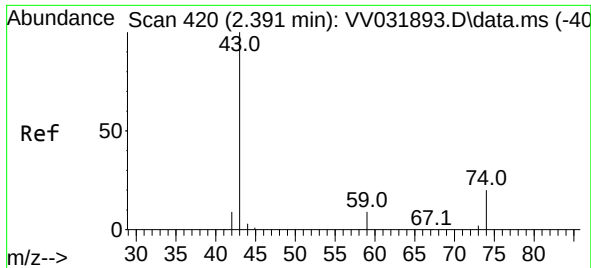
Tgt Ion: 76 Resp: 66420

Ion Ratio Lower Upper

76 100

78 8.8 7.7 11.5

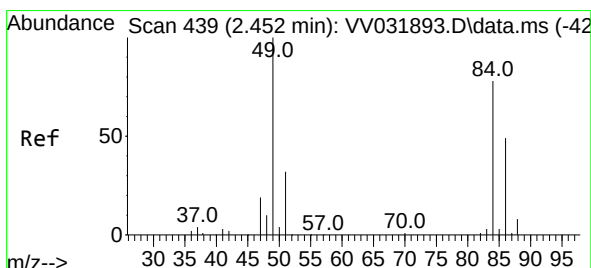
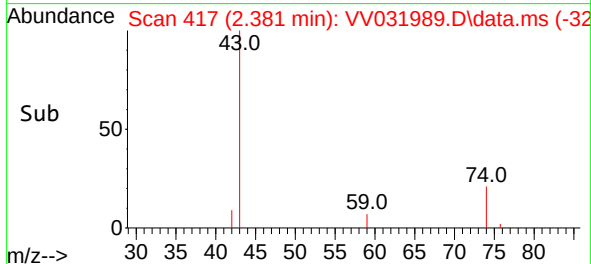
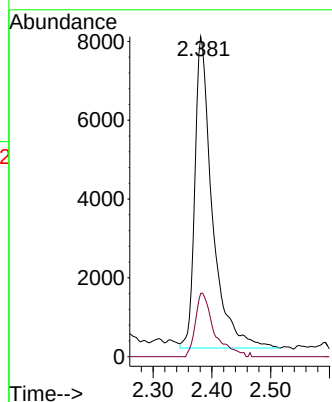
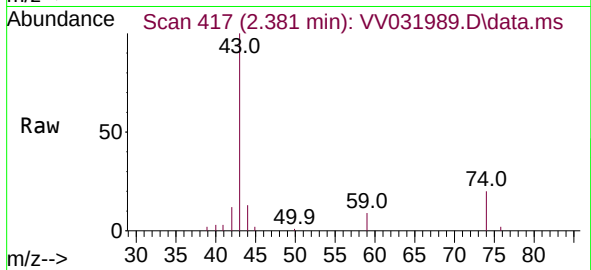




#15
Methyl Acetate
Concen: 6.170 ug/L
RT: 2.381 min Scan# 417
Delta R.T. -0.010 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

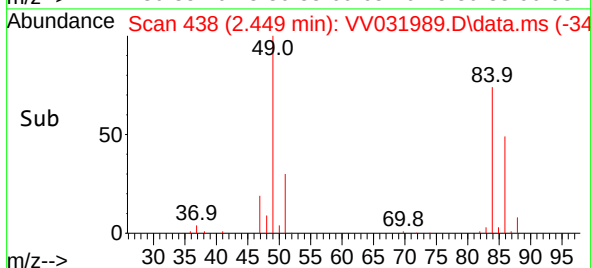
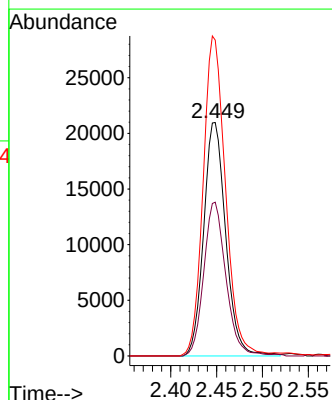
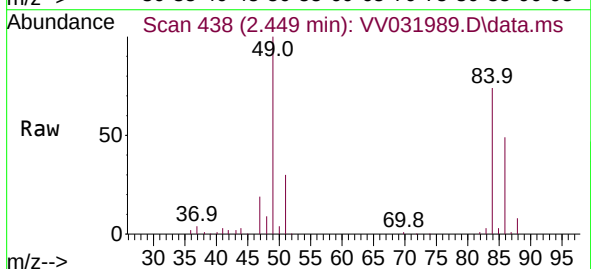
Instrument :
MSVOA_V
ClientSampleId :

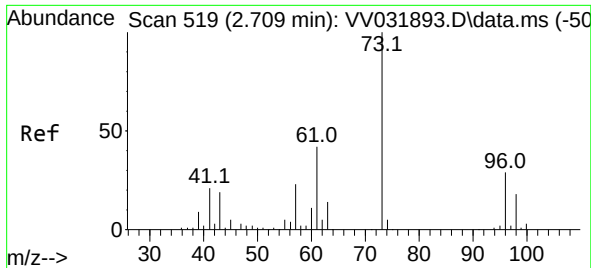
Tgt Ion: 43 Resp: 16319
Ion Ratio Lower Upper
43 100
74 21.7 18.3 27.5



#16
Methylene chloride
Concen: 3.562 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

Tgt Ion: 84 Resp: 35128
Ion Ratio Lower Upper
84 100
86 65.8 42.6 79.2
49 135.3 88.5 164.4

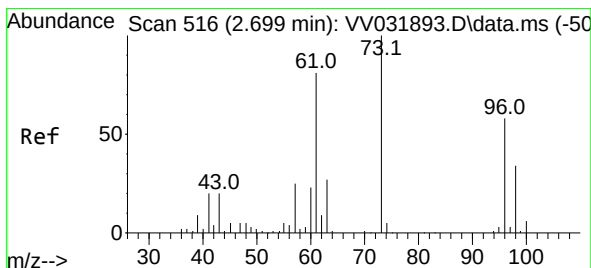
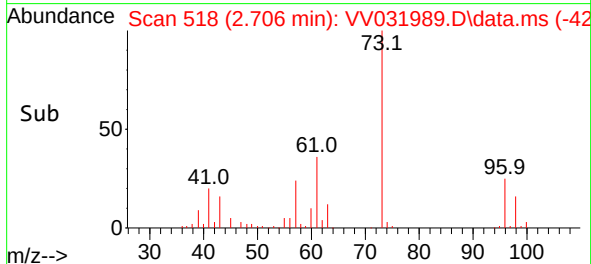
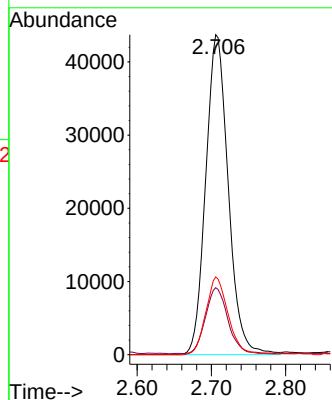
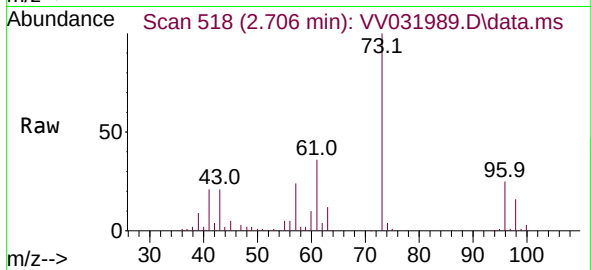




#17
Methyl tert-butyl Ether
Concen: 4.894 ug/L
RT: 2.706 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

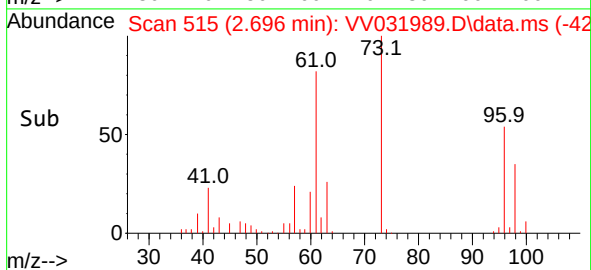
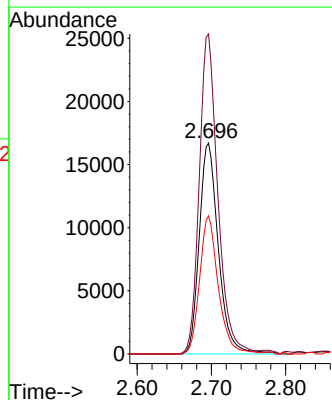
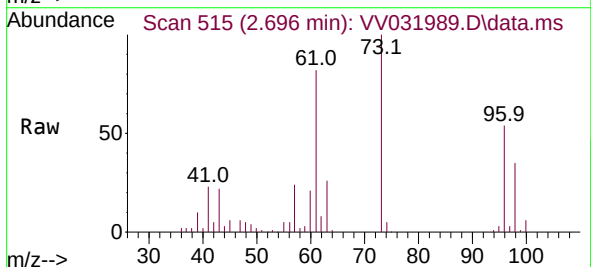
Instrument :
MSVOA_V
ClientSampleId :

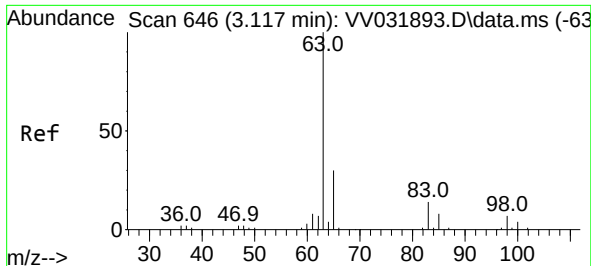
Tgt Ion: 73	Resp: 92084
Ion Ratio	Lower Upper
73 100	
43 20.3	15.6 23.4
57 24.0	17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.349 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

Tgt Ion: 96	Resp: 29898
Ion Ratio	Lower Upper
96 100	
61 151.8	106.8 198.4
98 65.5	44.9 83.3





#19

1,1-Dichloroethane

Concen: 4.852 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031899.D

Acq: 09 Sep 2023 09:55

Instrument :

MSVOA_V

ClientSampleId :

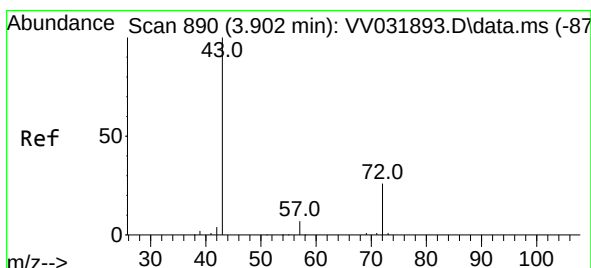
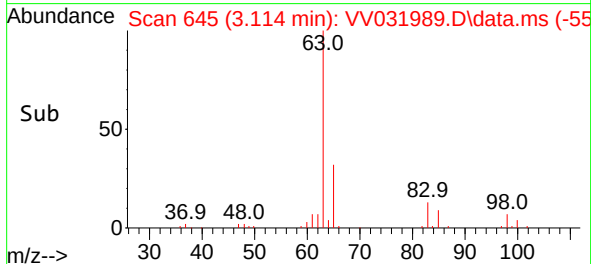
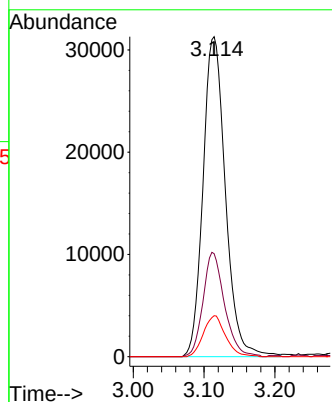
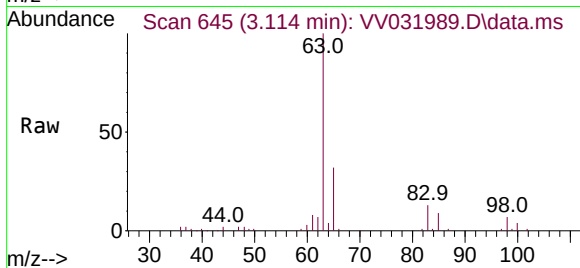
Tgt Ion: 63 Resp: 68699

Ion Ratio Lower Upper

63 100

65 32.2 21.9 40.7

83 12.8 9.2 17.2



#21

2-Butanone

Concen: 60.347 ug/L

RT: 3.879 min Scan# 883

Delta R.T. -0.019 min

Lab File: VV031899.D

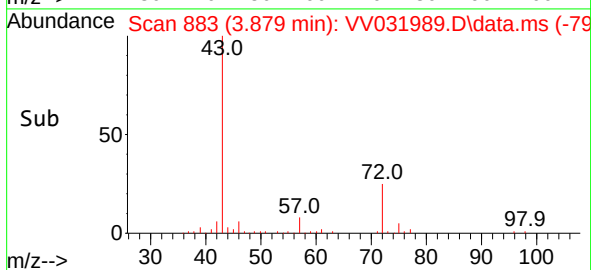
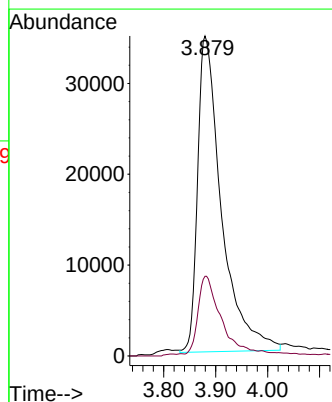
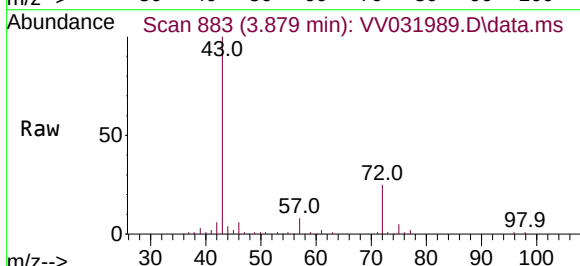
Acq: 09 Sep 2023 09:55

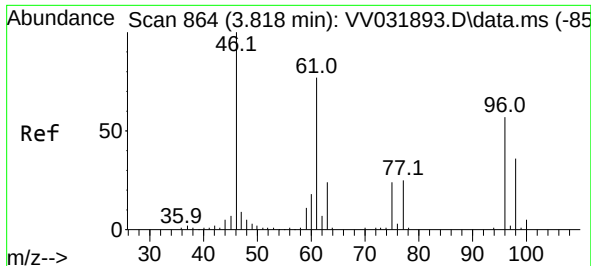
Tgt Ion: 43 Resp: 110928

Ion Ratio Lower Upper

43 100

72 23.2 9.0 27.0

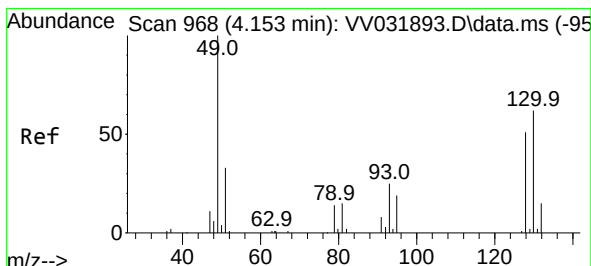
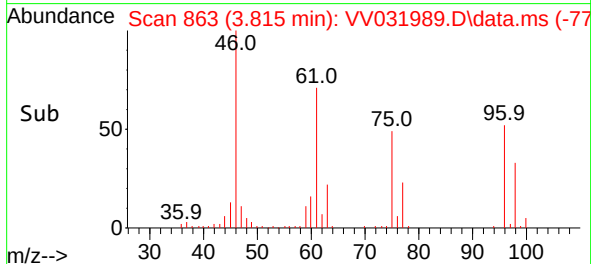
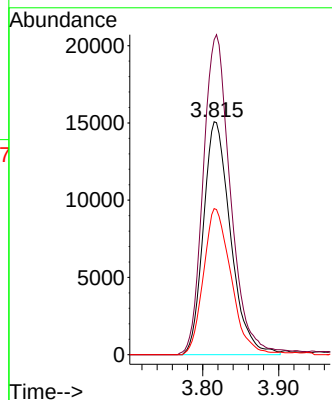
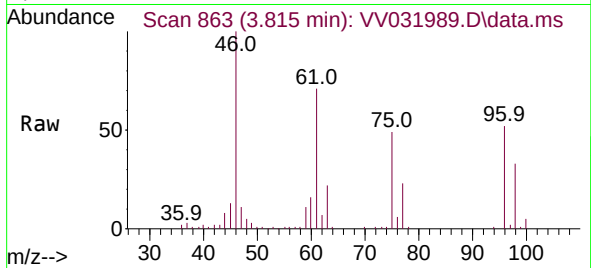




#22
 cis-1,2-Dichloroethene
 Concen: 4.725 ug/L
 RT: 3.815 min Scan# 864
 Delta R.T. -0.007 min
 Lab File: VV031989.D
 Acq: 09 Sep 2023 09:55

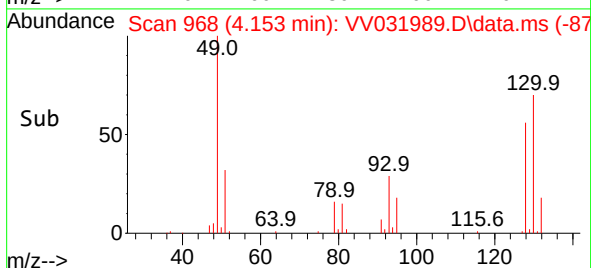
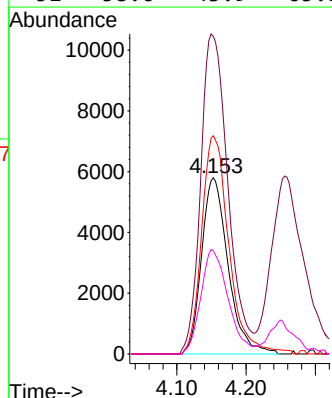
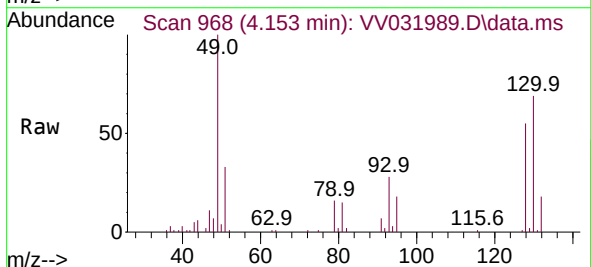
Instrument :
 MSVOA_V
 ClientSampleId :

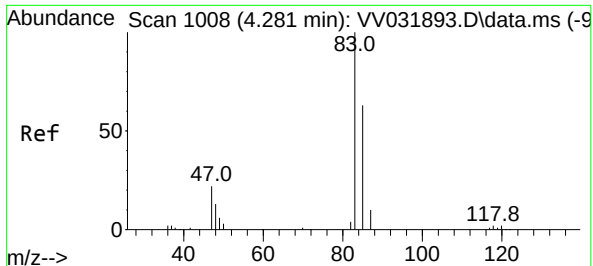
Tgt Ion: 96 Resp: 37412
 Ion Ratio Lower Upper
 96 100
 61 135.1 94.1 174.8
 98 62.7 43.8 81.4



#23
 Bromochloromethane
 Concen: 4.903 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.000 min
 Lab File: VV031989.D
 Acq: 09 Sep 2023 09:55

Tgt Ion: 128 Resp: 15405
 Ion Ratio Lower Upper
 128 100
 49 180.2 123.7 229.7
 130 123.9 84.3 156.5
 51 58.6 43.9 65.9





#25

Chloroform

Concen: 4.656 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. -0.003 min

Lab File: VV031989.D

Acq: 09 Sep 2023 09:55

Instrument :

MSVOA_V

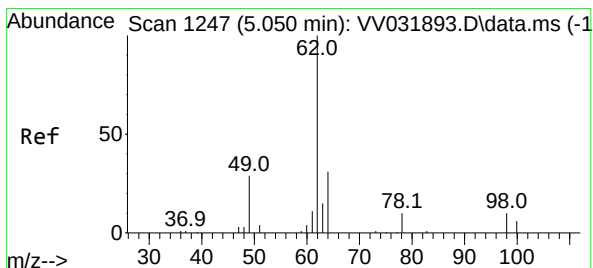
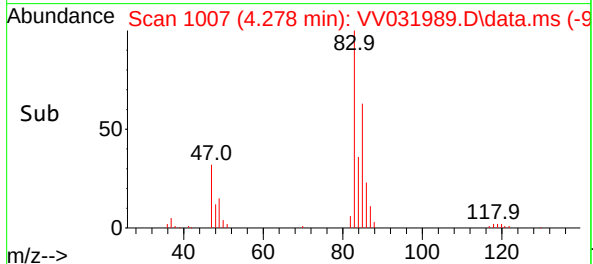
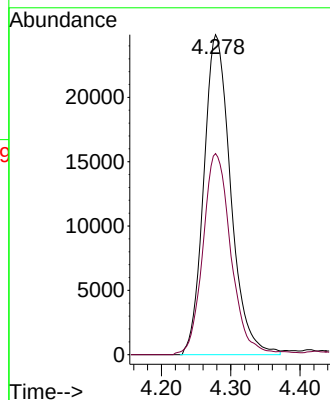
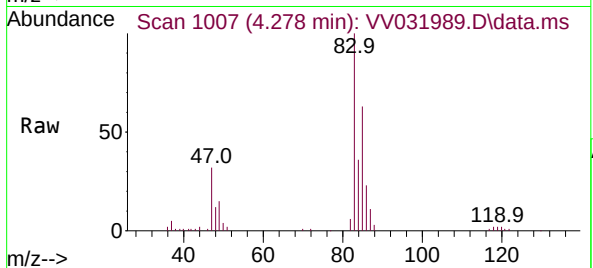
ClientSampleId :

Tgt Ion: 83 Resp: 67191

Ion Ratio Lower Upper

83 100

85 62.9 46.4 86.2



#27

1,2-Dichloroethane

Concen: 4.686 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031989.D

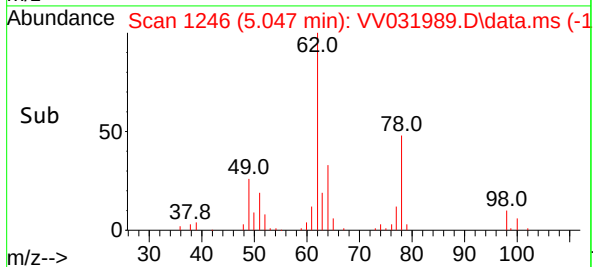
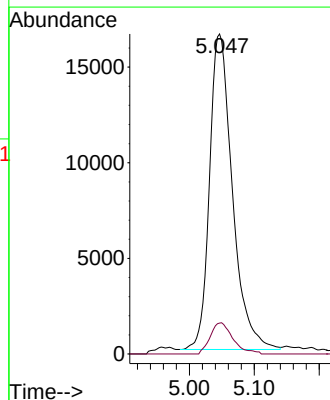
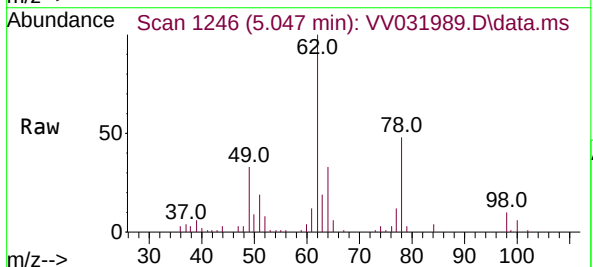
Acq: 09 Sep 2023 09:55

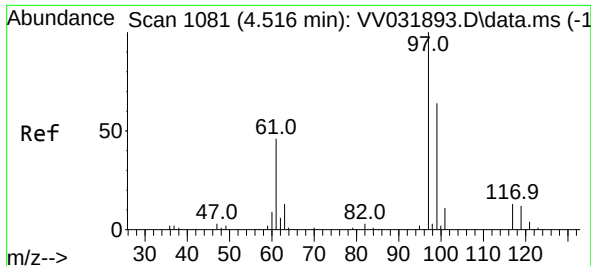
Tgt Ion: 62 Resp: 40437

Ion Ratio Lower Upper

62 100

98 9.7 7.2 10.8





#29

1,1,1-Trichloroethane

Concen: 4.312 ug/L

RT: 4.513 min Scan# 1100

Delta R.T. -0.003 min

Lab File: VV031989.D

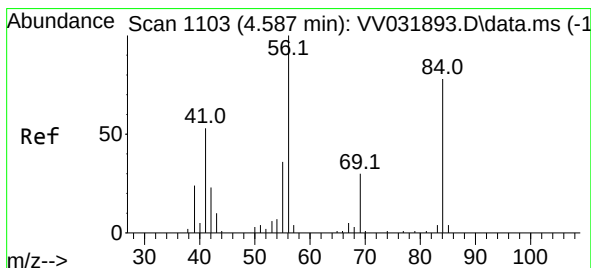
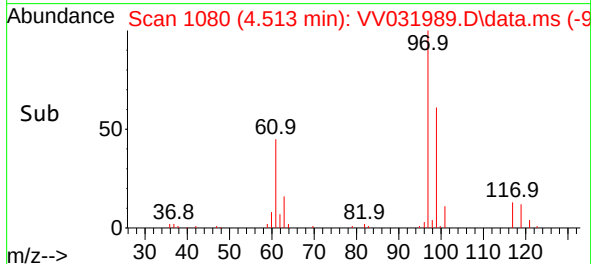
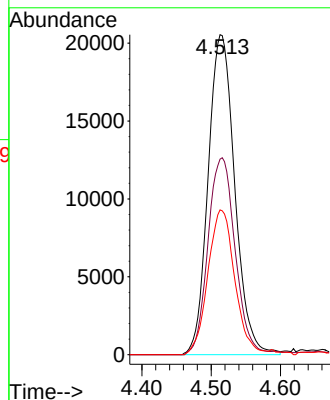
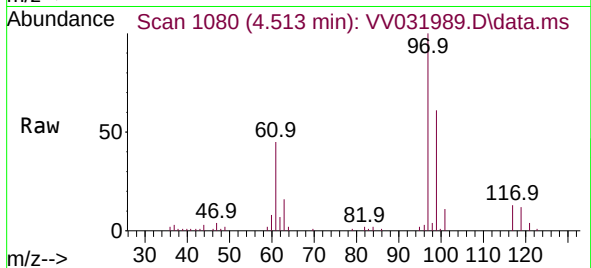
Acq: 09 Sep 2023 09:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97	Resp: 54900
Ion Ratio	Lower Upper
97 100	
99 62.7	51.1 76.7
61 45.5	35.5 53.3



#30

Cyclohexane

Concen: 4.138 ug/L

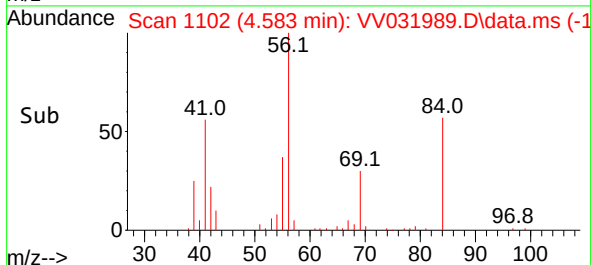
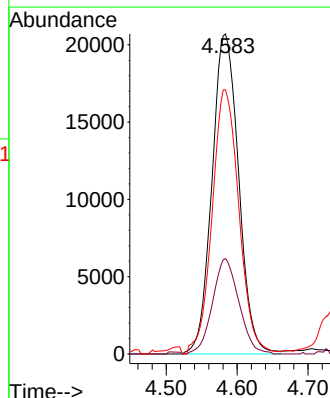
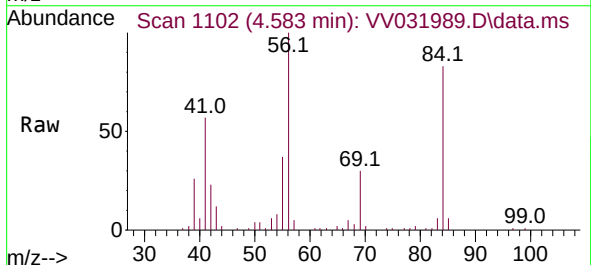
RT: 4.583 min Scan# 1102

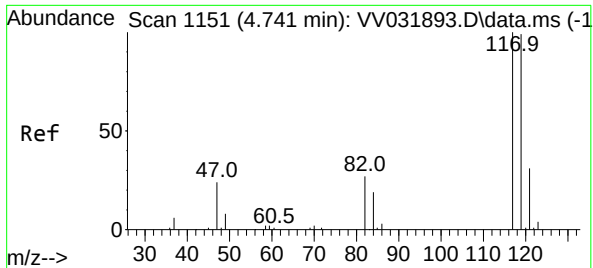
Delta R.T. -0.000 min

Lab File: VV031989.D

Acq: 09 Sep 2023 09:55

Tgt Ion: 56	Resp: 54139
Ion Ratio	Lower Upper
56 100	
69 29.5	25.4 38.0
84 83.0	66.8 100.2

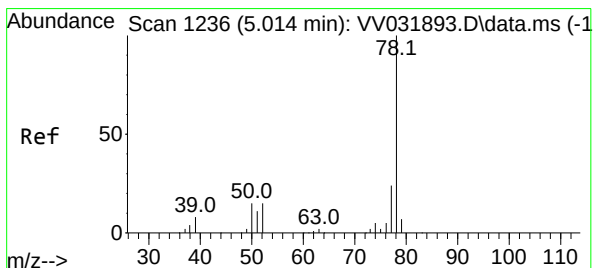
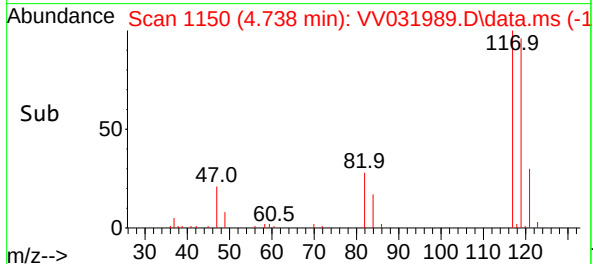
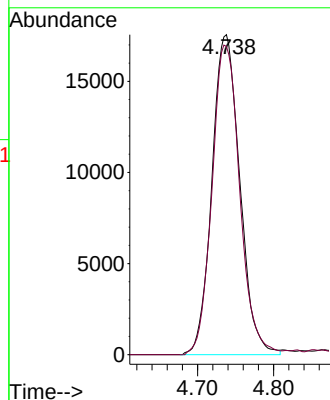
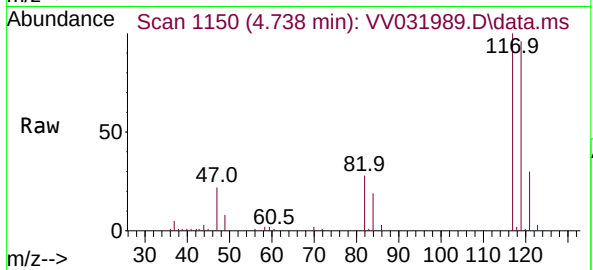




#31
Carbon tetrachloride
Concen: 4.333 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

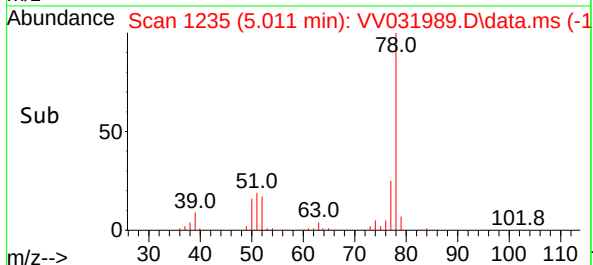
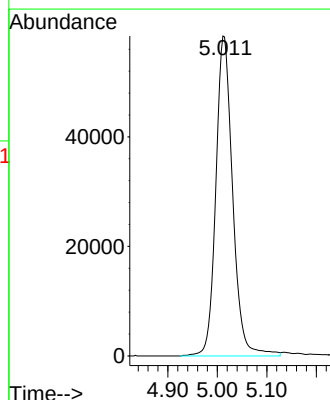
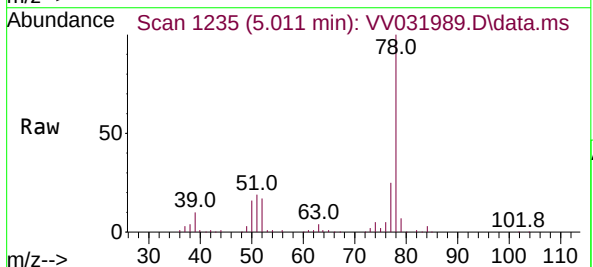
Instrument :
MSVOA_V
ClientSampleId :

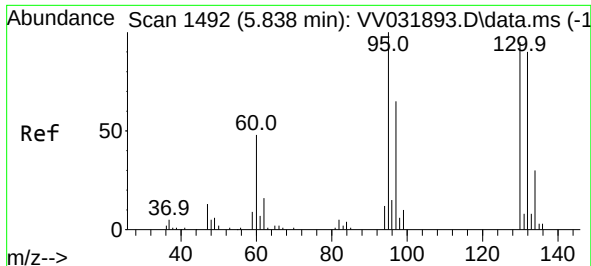
Tgt Ion:117 Resp: 44614
Ion Ratio Lower Upper
117 100
119 96.5 78.4 117.6



#33
Benzene
Concen: 4.551 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.003 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

Tgt Ion: 78 Resp: 138166

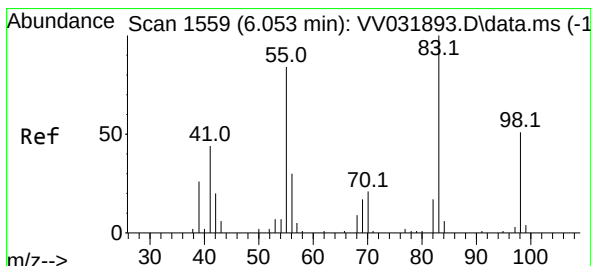
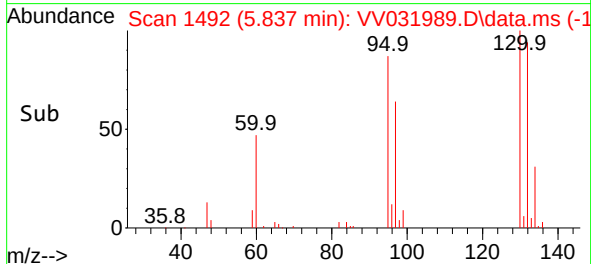
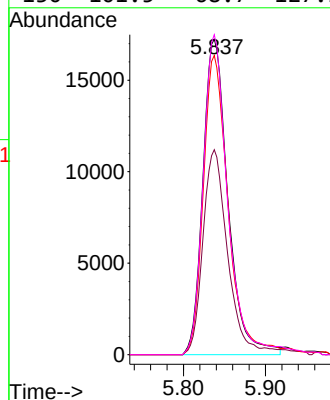
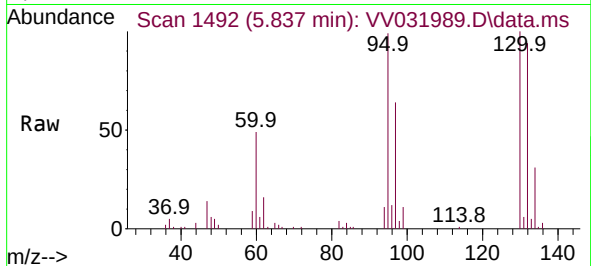




#34
Trichloroethene
Concen: 4.131 ug/L
RT: 5.837 min Scan# 1492
Delta R.T. -0.000 min
Lab File: VV031899.D
Acq: 09 Sep 2023 09:55

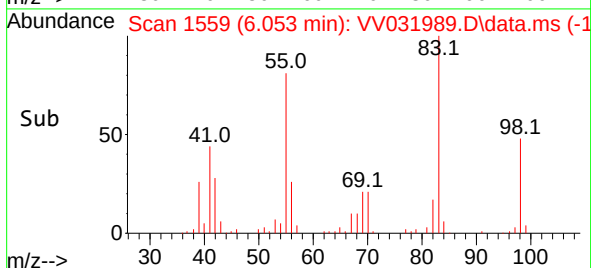
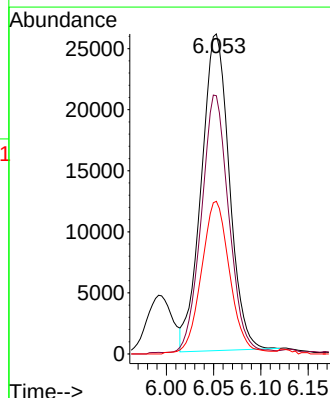
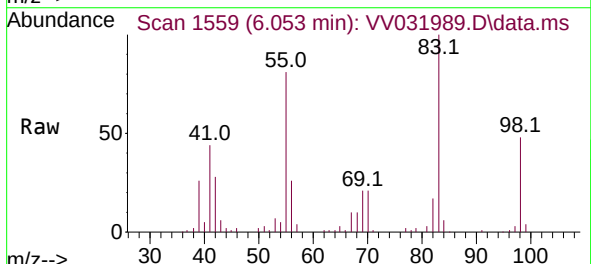
Instrument :
MSVOA_V
ClientSampleId :

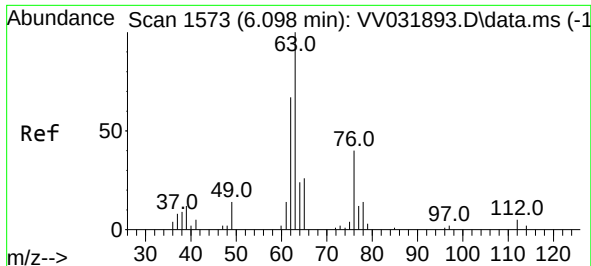
Tgt Ion: 95 Resp: 36660
Ion Ratio Lower Upper
95 100
97 65.0 47.7 88.7
132 94.9 63.8 118.4
130 101.5 68.7 127.5



#35
Methylcyclohexane
Concen: 4.143 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VV031899.D
Acq: 09 Sep 2023 09:55

Tgt Ion: 83 Resp: 53516
Ion Ratio Lower Upper
83 100
55 79.6 62.6 94.0
98 48.9 37.8 56.8





#37

1,2-Dichloropropane

Concen: 4.499 ug/L

RT: 6.098 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031989.D

Acq: 09 Sep 2023 09:55

Instrument :

MSVOA_V

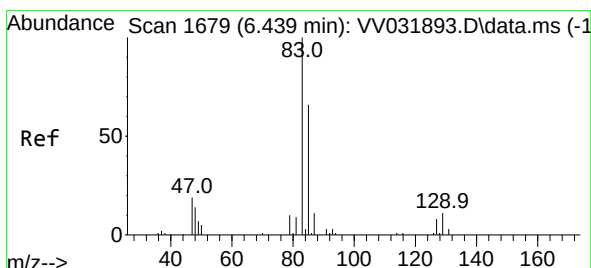
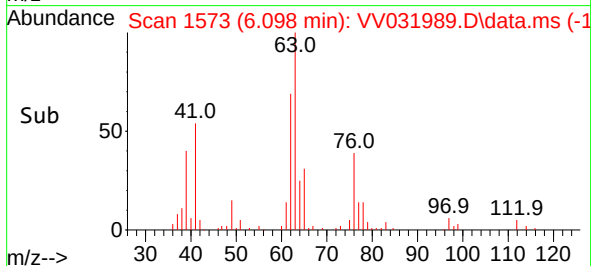
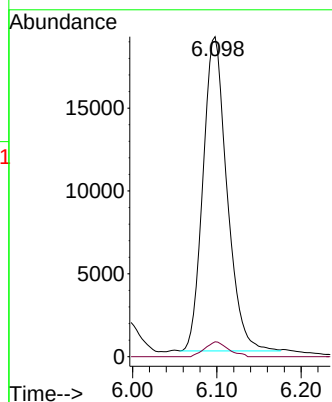
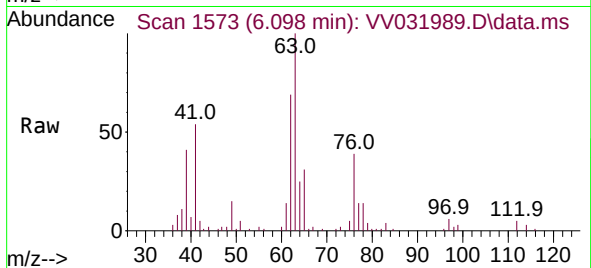
ClientSampleId :

Tgt Ion: 63 Resp: 37634

Ion Ratio Lower Upper

63 100

112 4.6 3.4 5.2



#38

Bromodichloromethane

Concen: 4.534 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV031989.D

Acq: 09 Sep 2023 09:55

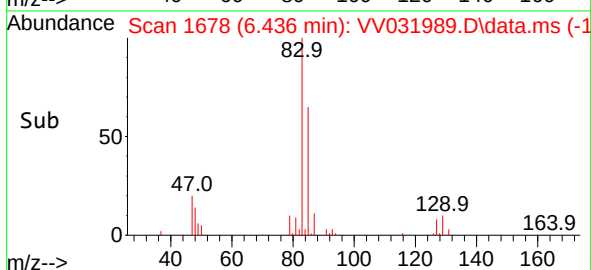
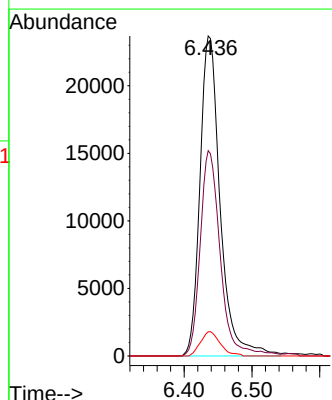
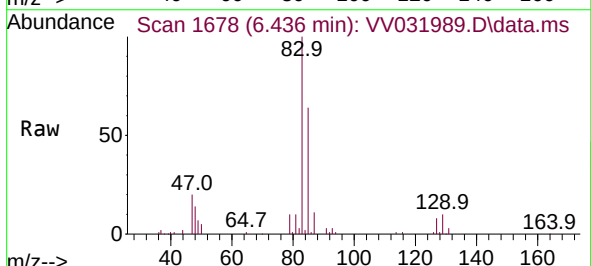
Tgt Ion: 83 Resp: 49092

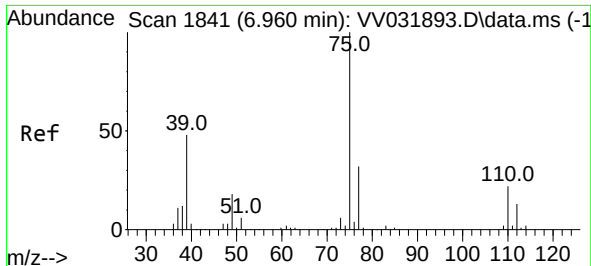
Ion Ratio Lower Upper

83 100

85 64.2 44.4 82.4

127 7.6 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 4.463 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031989.D

Acq: 09 Sep 2023 09:55

Instrument :

MSVOA_V

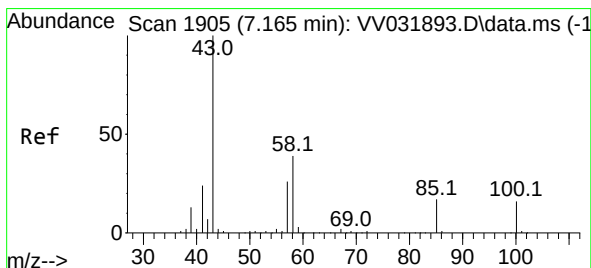
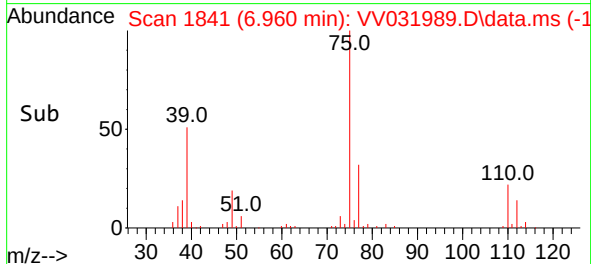
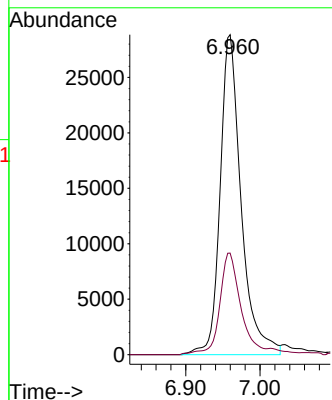
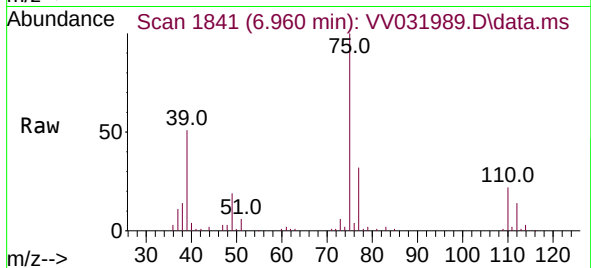
ClientSampleId :

Tgt Ion: 75 Resp: 56790

Ion Ratio Lower Upper

75 100

77 31.8 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 53.866 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VV031989.D

Acq: 09 Sep 2023 09:55

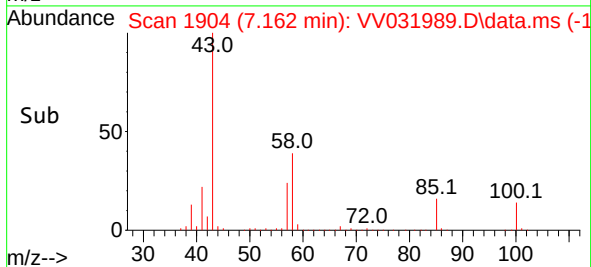
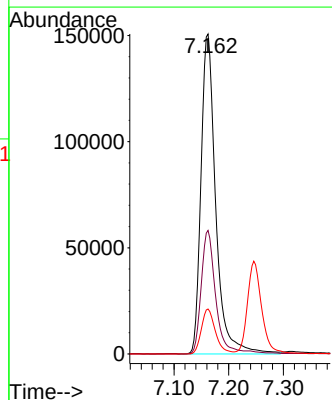
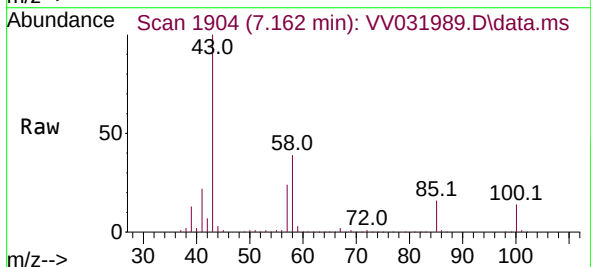
Tgt Ion: 43 Resp: 282400

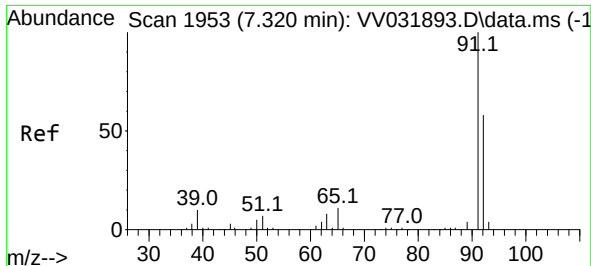
Ion Ratio Lower Upper

43 100

58 38.4 29.0 43.6

100 13.3 10.7 16.1





#42

Toluene

Concen: 4.305 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031899.D

Acq: 09 Sep 2023 09:55

Instrument :

MSVOA_V

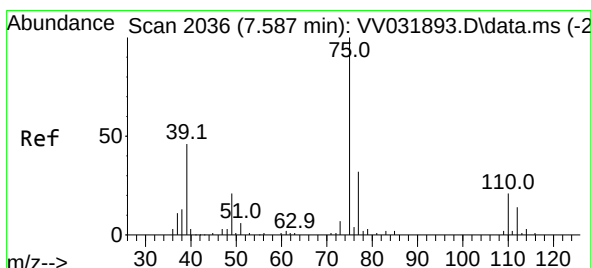
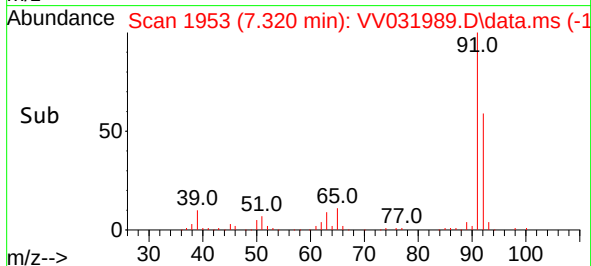
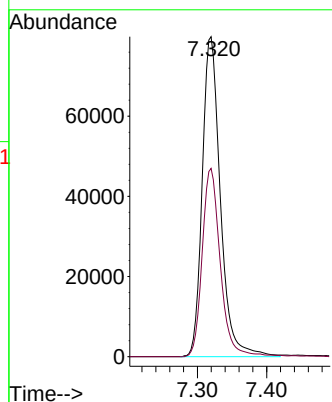
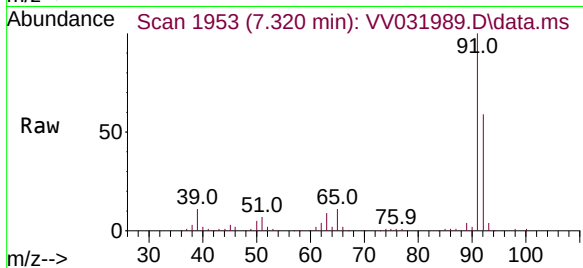
ClientSampleId :

Tgt Ion: 91 Resp: 145218

Ion Ratio Lower Upper

91 100

92 58.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.545 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031899.D

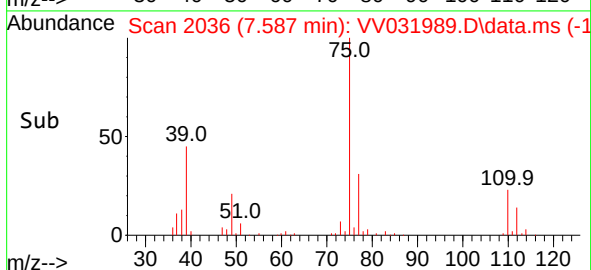
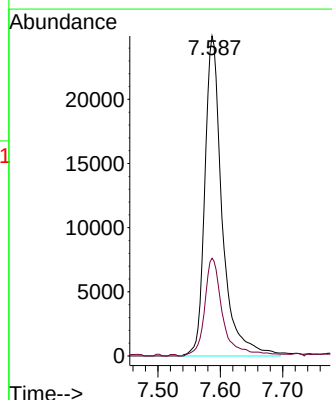
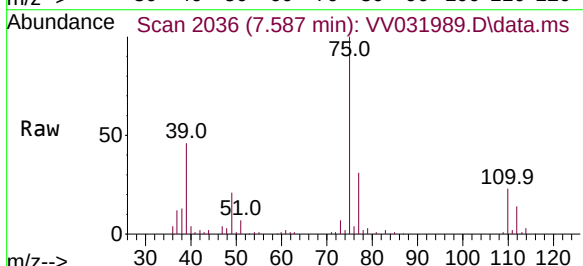
Acq: 09 Sep 2023 09:55

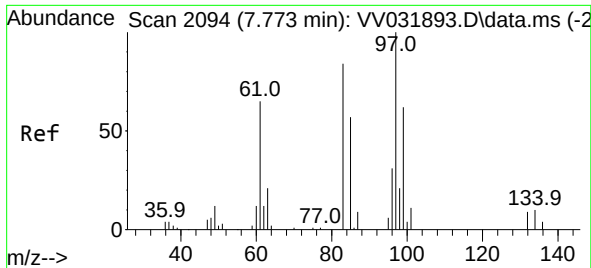
Tgt Ion: 75 Resp: 48284

Ion Ratio Lower Upper

75 100

77 30.6 22.4 41.6

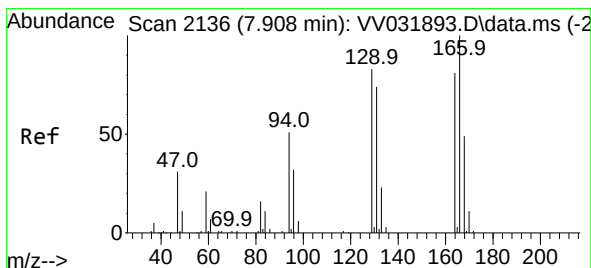
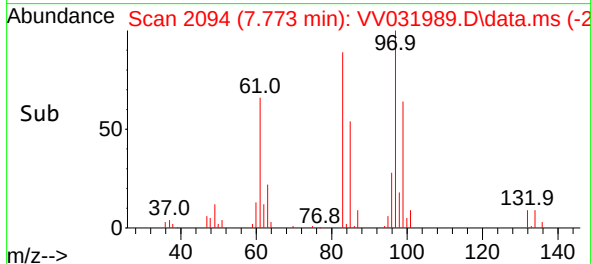
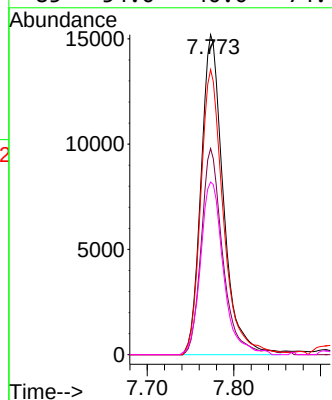
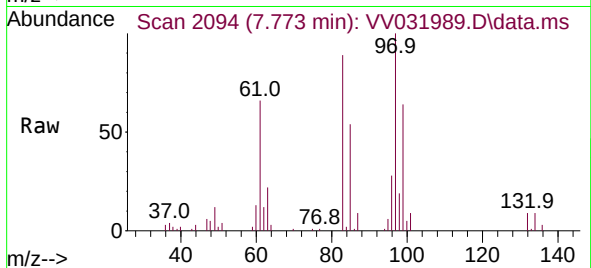




#45
1,1,2-Trichloroethane
Concen: 4.539 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

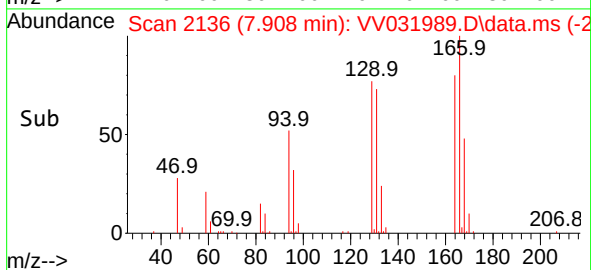
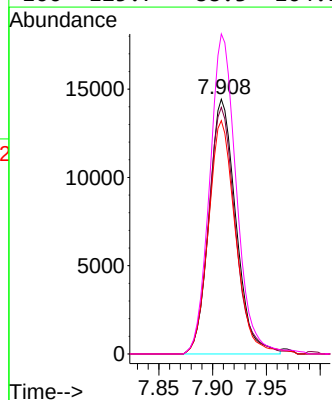
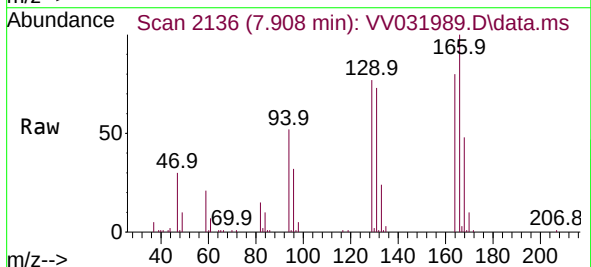
Instrument :
MSVOA_V
ClientSampleId :

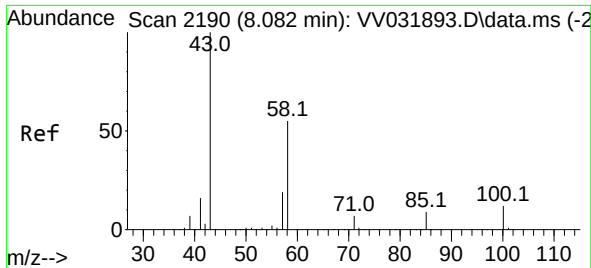
Tgt Ion: 97	Resp: 27176
Ion Ratio	Lower Upper
97 100	
99 64.5	44.3 82.3
83 89.1	62.7 116.5
85 54.0	40.0 74.4



#47
Tetrachloroethene
Concen: 4.409 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

Tgt	Ion:164	Resp:	24993
Ion	Ratio	Lower	Upper
164	100		
129	96.8	70.6	131.2
131	91.6	64.6	120.0
166	125.7	88.3	164.1

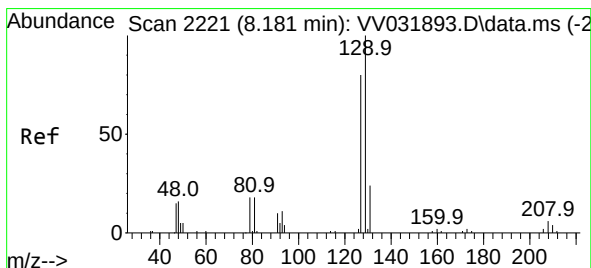
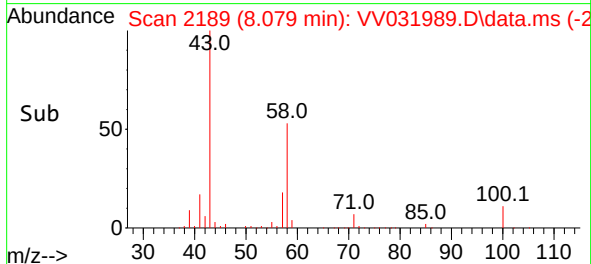
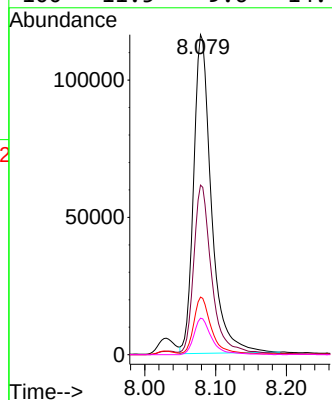
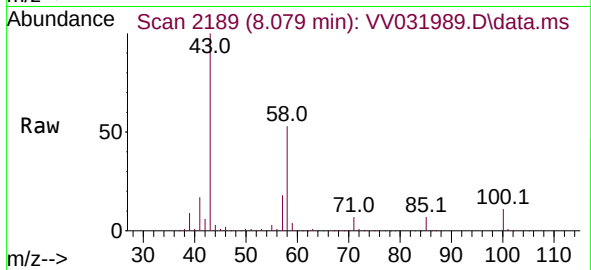




#48
2-Hexanone
Concen: 51.710 ug/L
RT: 8.079 min Scan# 2190
Delta R.T. -0.003 min
Lab File: VV031893.D
Acq: 09 Sep 2023 09:55

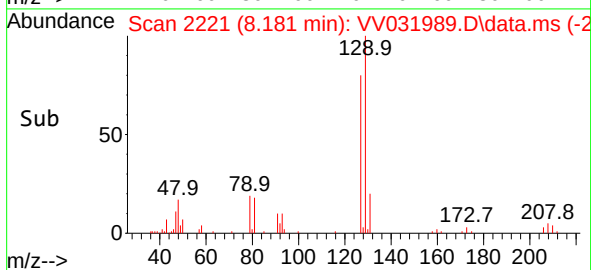
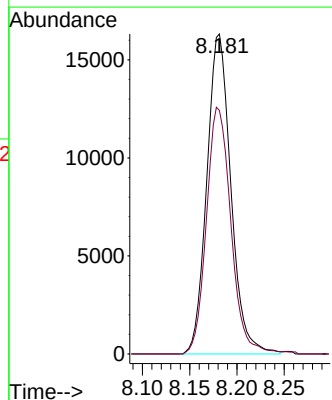
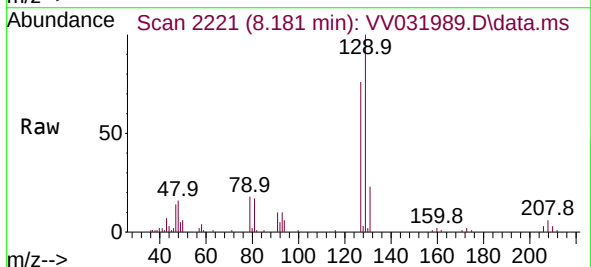
Instrument :
MSVOA_V
ClientSampleId :

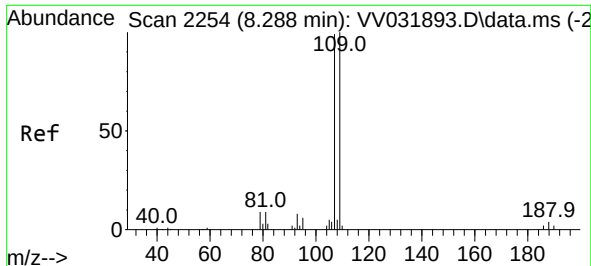
Tgt Ion: 43 Resp: 202544
Ion Ratio Lower Upper
43 100
58 54.2 44.3 66.5
57 17.6 14.3 21.5
100 11.5 9.6 14.4



#49
Dibromochloromethane
Concen: 4.637 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031899.D
Acq: 09 Sep 2023 09:55

Tgt Ion: 129 Resp: 28934
Ion Ratio Lower Upper
129 100
127 76.1 53.7 99.7





#50

1,2-Dibromoethane

Concen: 4.455 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031989.D

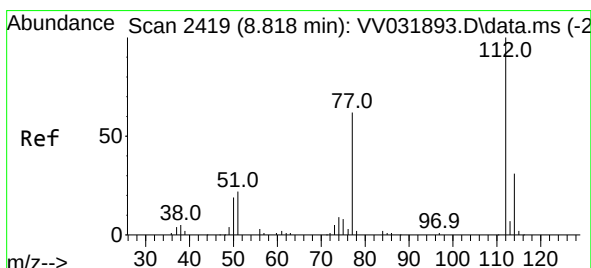
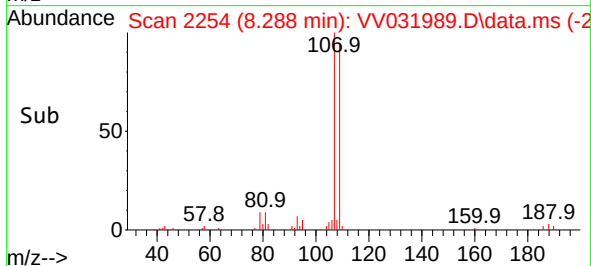
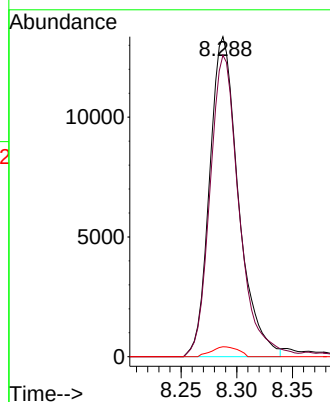
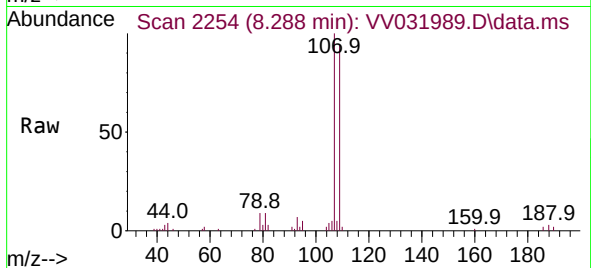
Acq: 09 Sep 2023 09:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	24123
Ion Ratio	Lower	Upper
107	100	
109	94.2	66.3 123.1
188	3.1	2.6 3.8



#51

Chlorobenzene

Concen: 4.385 ug/L

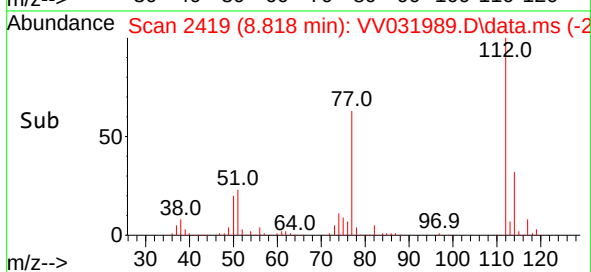
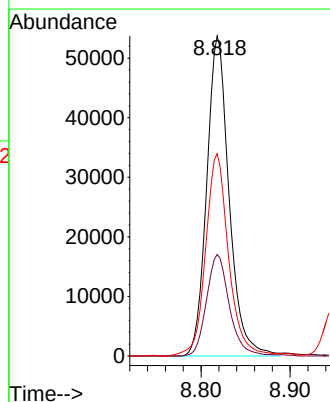
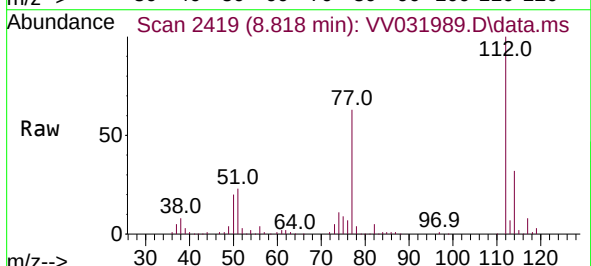
RT: 8.818 min Scan# 2419

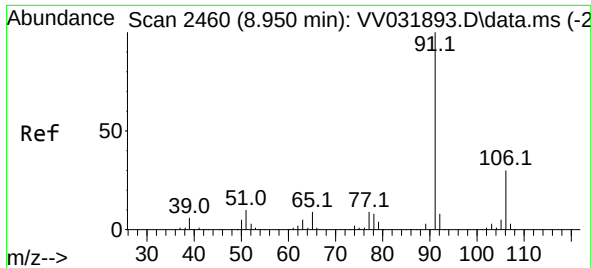
Delta R.T. -0.000 min

Lab File: VV031989.D

Acq: 09 Sep 2023 09:55

Tgt Ion:112	Resp:	93644
Ion Ratio	Lower	Upper
112	100	
114	31.7	22.3 41.3
77	63.2	50.6 75.8

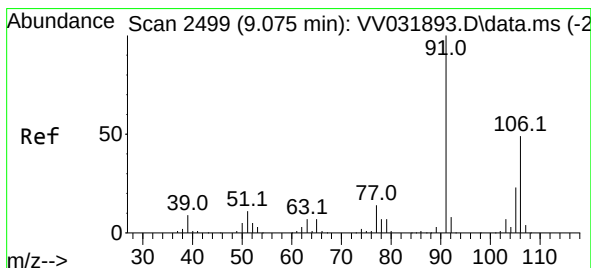
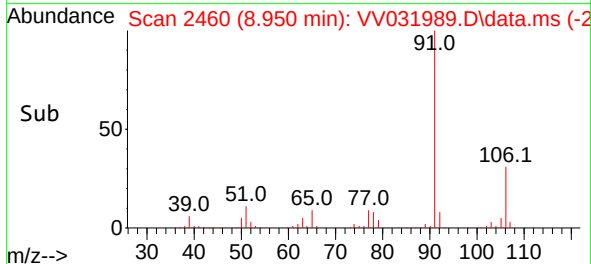
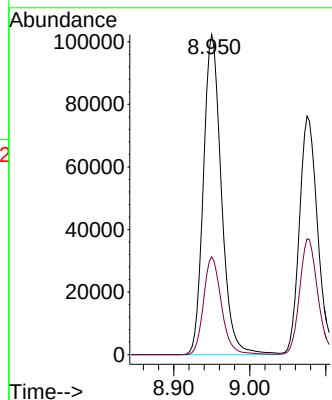
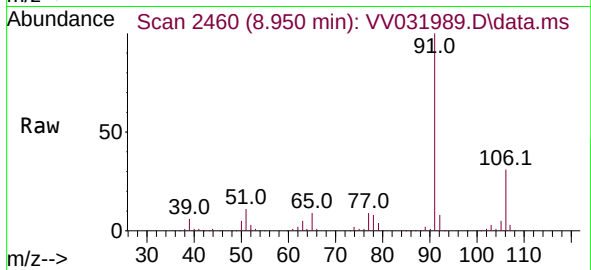




#52
Ethylbenzene
Concen: 4.334 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

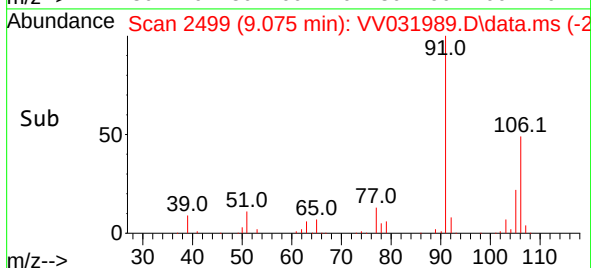
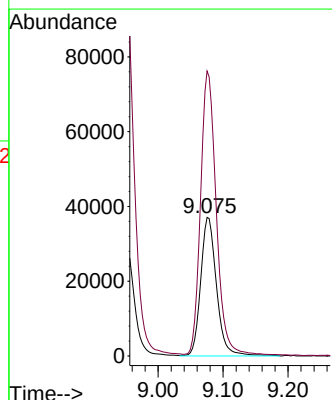
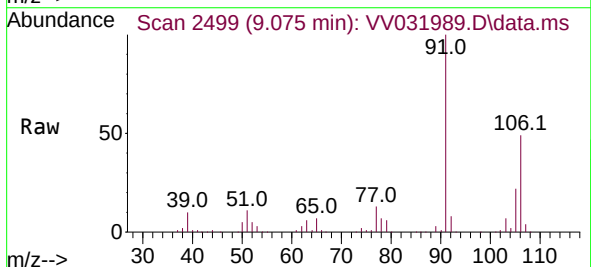
Instrument :
MSVOA_V
ClientSampleId :

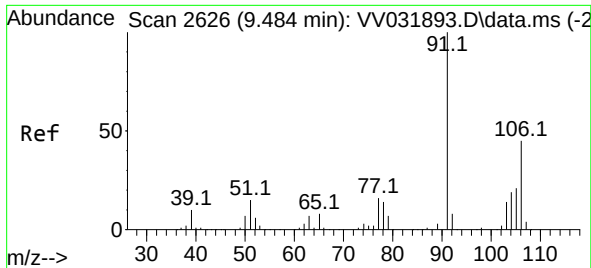
Tgt Ion: 91 Resp: 168046
Ion Ratio Lower Upper
91 100
106 30.6 21.3 39.5



#53
m,p-Xylene
Concen: 4.310 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

Tgt Ion:106 Resp: 62942
Ion Ratio Lower Upper
106 100
91 205.7 142.7 265.1

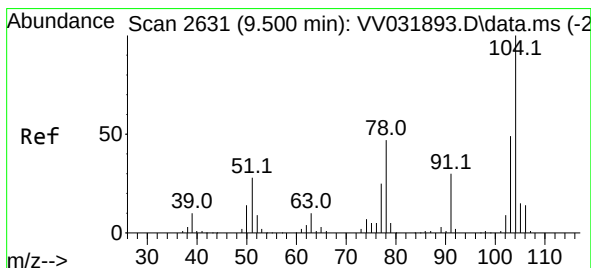
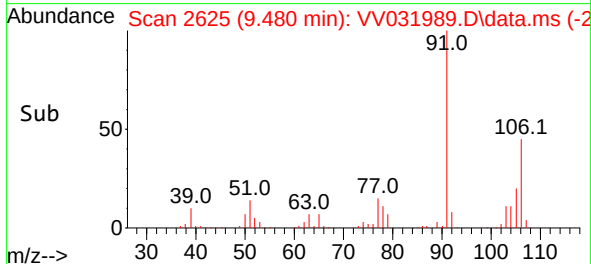
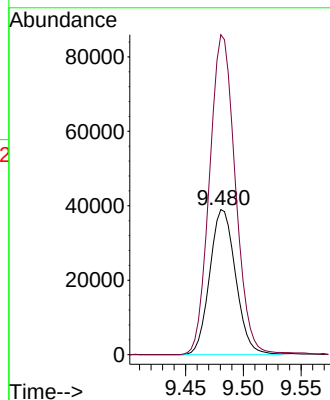
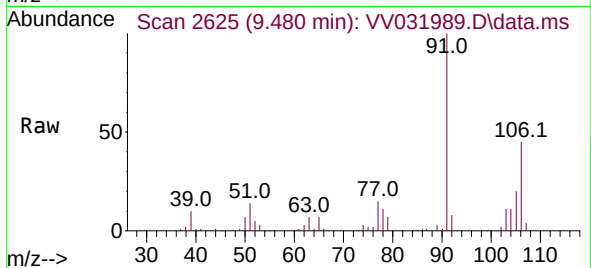




#54
o-Xylene
Concen: 4.323 ug/L
RT: 9.480 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

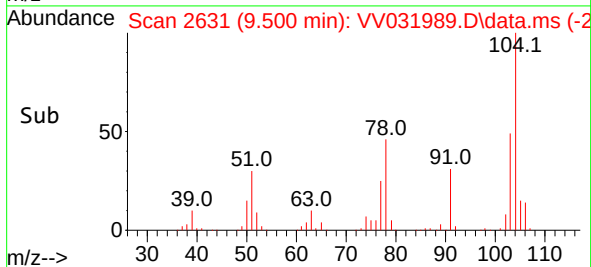
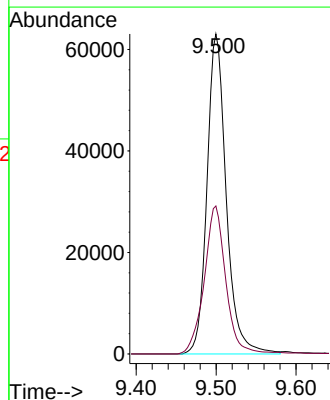
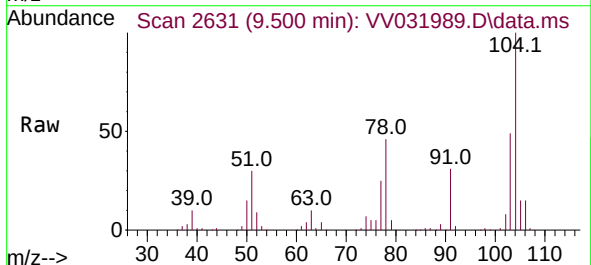
Instrument :
MSVOA_V
ClientSampleId :

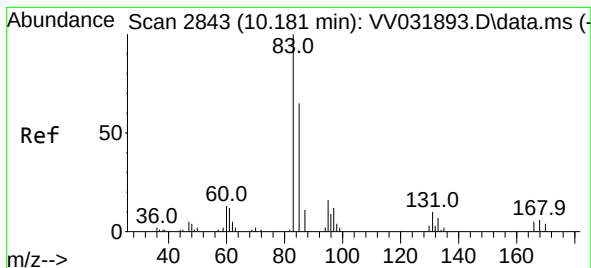
Tgt Ion:106 Resp: 61010
Ion Ratio Lower Upper
106 100
91 220.6 154.7 287.3



#55
Styrene
Concen: 4.340 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

Tgt Ion:104 Resp: 105674
Ion Ratio Lower Upper
104 100
78 46.2 32.1 59.7

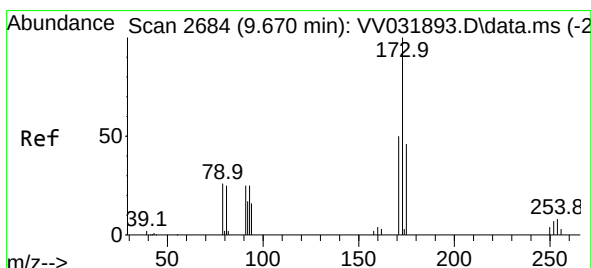
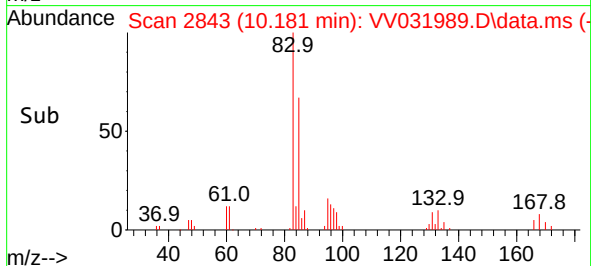
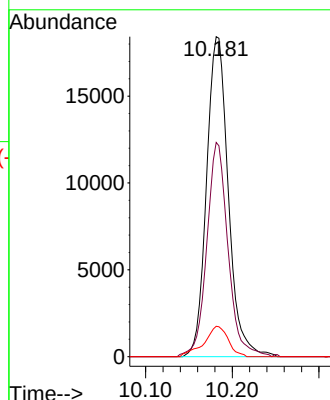
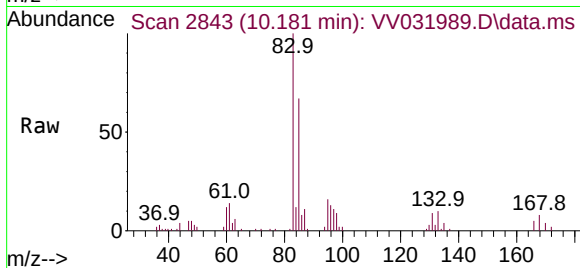




#57
1,1,2,2-Tetrachloroethane
Concen: 5.302 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

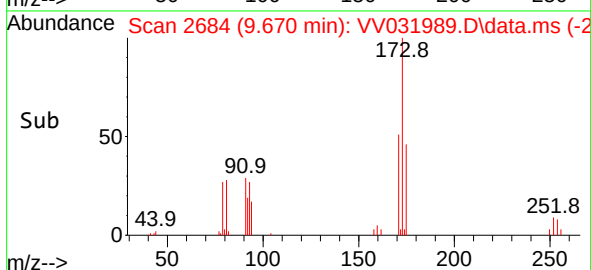
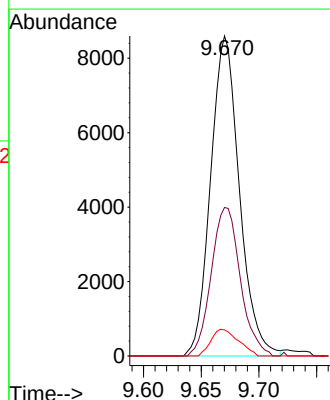
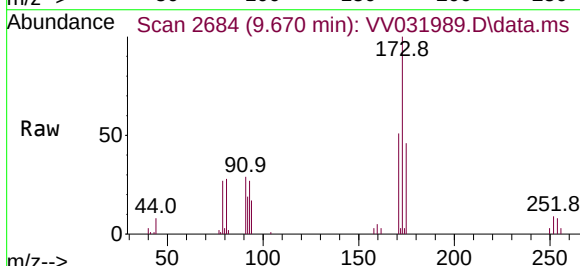
Instrument :
MSVOA_V
ClientSampleId :

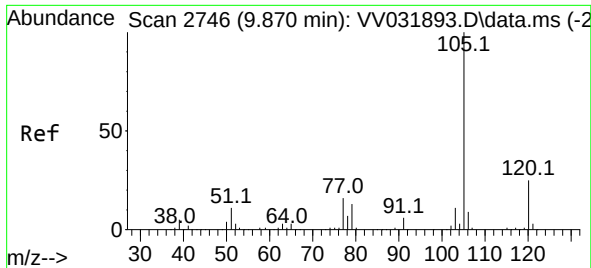
Tgt Ion:	83	Resp:	32140
Ion	Ratio	Lower	Upper
83	100		
85	67.0	46.6	86.6
131	9.5	7.4	11.2



#59
Bromoform
Concen: 4.470 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

Tgt Ion:	173	Resp:	14908
Ion	Ratio	Lower	Upper
173	100		
175	46.9	38.0	57.0
254	7.9	6.8	10.2

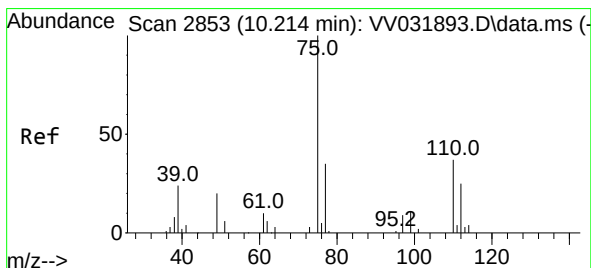
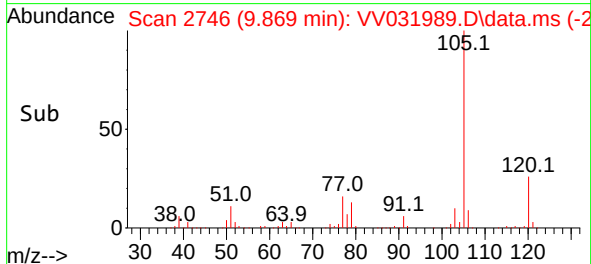
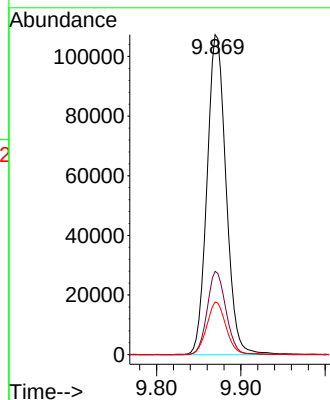
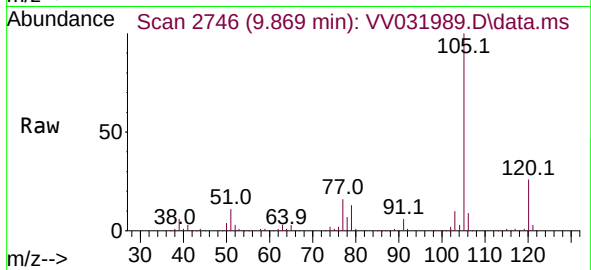




#60
Isopropylbenzene
Concen: 4.296 ug/L
RT: 9.869 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

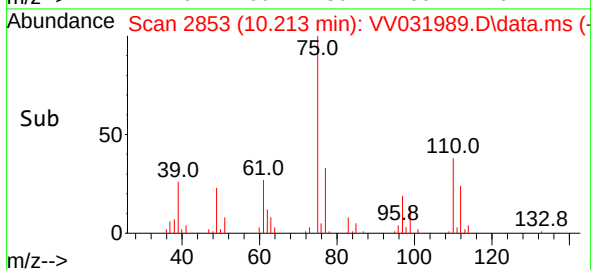
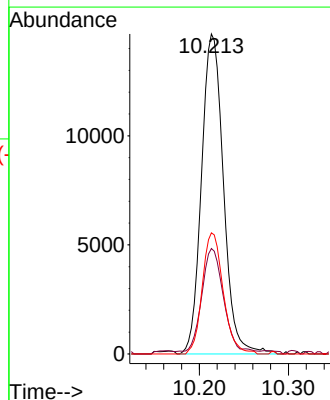
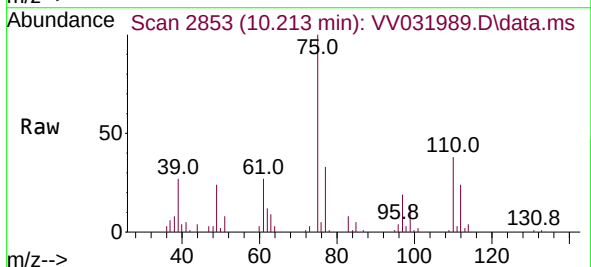
Instrument :
MSVOA_V
ClientSampleId :

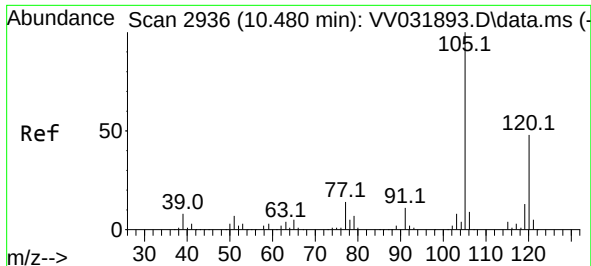
Tgt Ion:105 Resp: 168562
Ion Ratio Lower Upper
105 100
120 25.8 20.7 31.1
77 16.9 13.7 20.5



#61
1,2,3-Trichloropropane
Concen: 4.839 ug/L
RT: 10.213 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

Tgt Ion: 75 Resp: 25160
Ion Ratio Lower Upper
75 100
77 30.9 28.8 43.2
110 36.0 30.2 45.2





#62

1,3,5-Trimethylbenzene

Concen: 4.217 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV031989.D

Acq: 09 Sep 2023 09:55

Instrument :

MSVOA_V

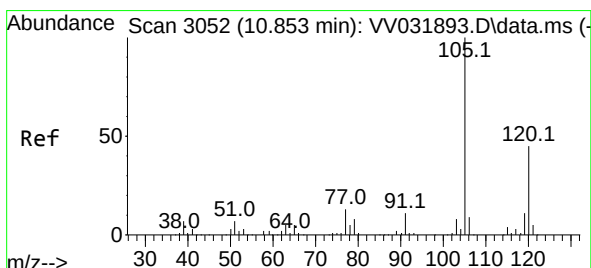
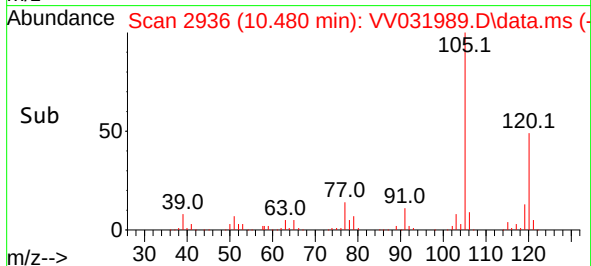
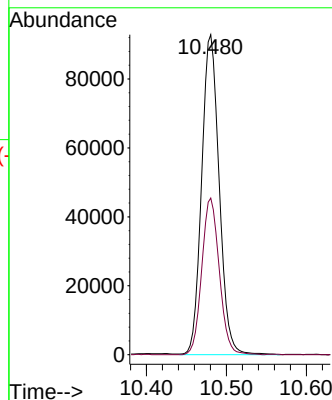
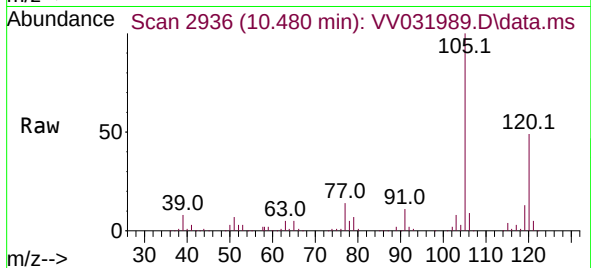
ClientSampleId :

Tgt Ion:105 Resp: 141817

Ion Ratio Lower Upper

105 100

120 48.8 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 4.235 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VV031989.D

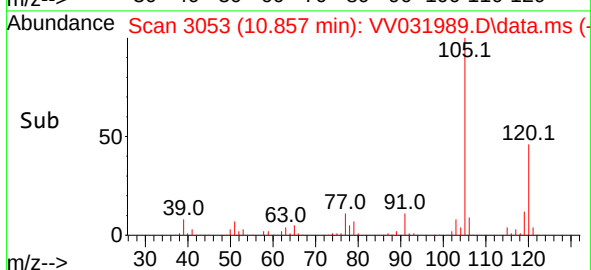
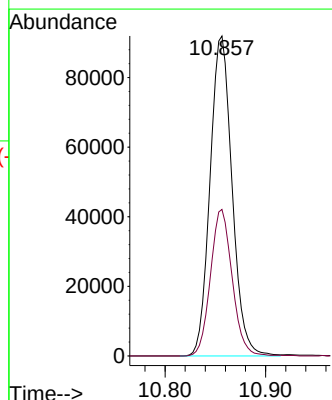
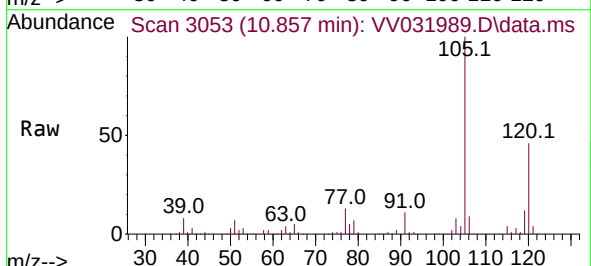
Acq: 09 Sep 2023 09:55

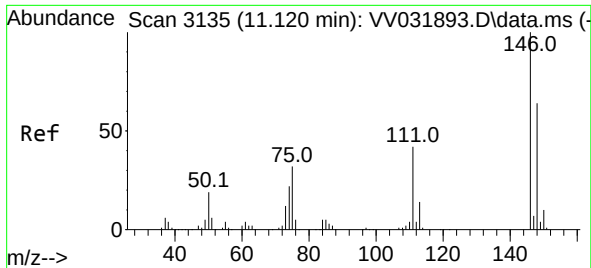
Tgt Ion:105 Resp: 139967

Ion Ratio Lower Upper

105 100

120 45.2 35.8 53.8

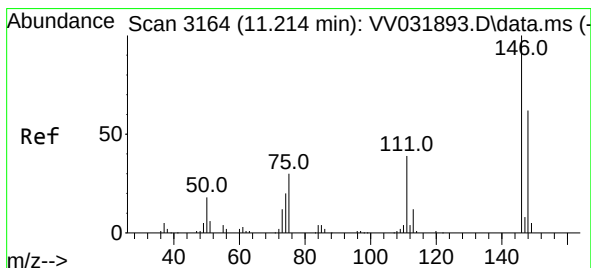
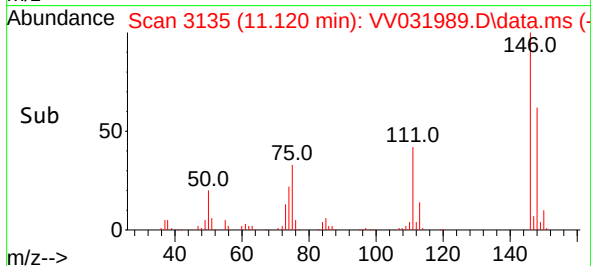
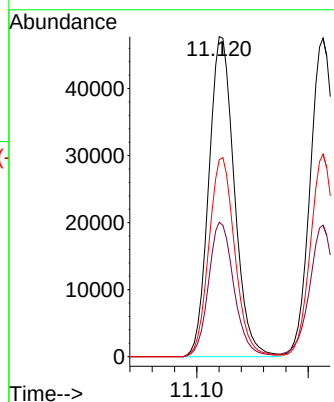
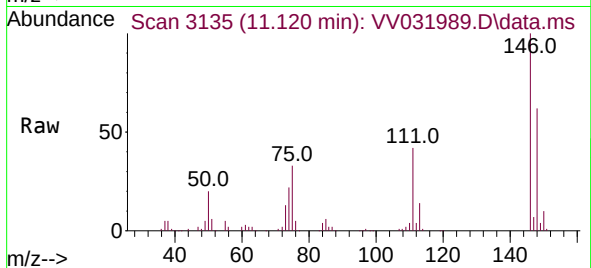




#64
1,3-Dichlorobenzene
Concen: 4.374 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

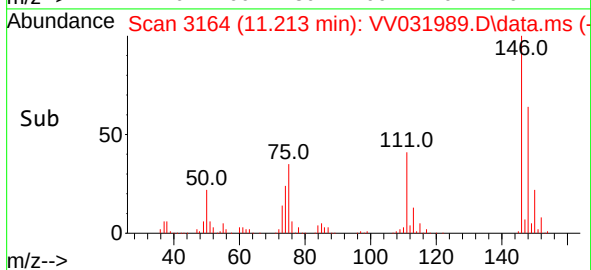
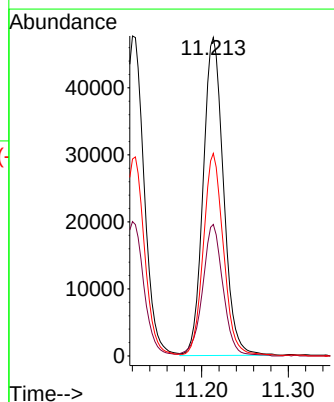
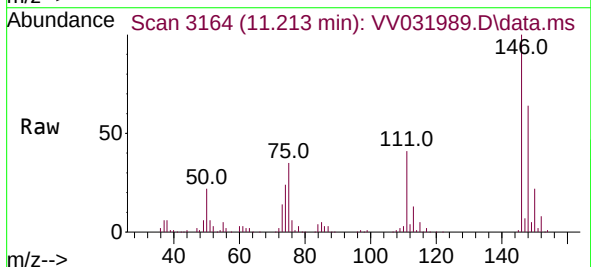
Instrument :
MSVOA_V
ClientSampleId :

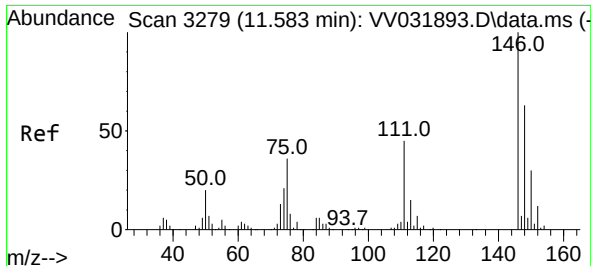
Tgt Ion:146 Resp: 75998
Ion Ratio Lower Upper
146 100
111 42.0 29.5 54.7
148 61.6 43.9 81.5



#65
1,4-Dichlorobenzene
Concen: 4.336 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

Tgt Ion:146 Resp: 77405
Ion Ratio Lower Upper
146 100
111 41.3 29.2 54.2
148 63.6 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 4.465 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031989.D

Acq: 09 Sep 2023 09:55

Instrument :

MSVOA_V

ClientSampleId :

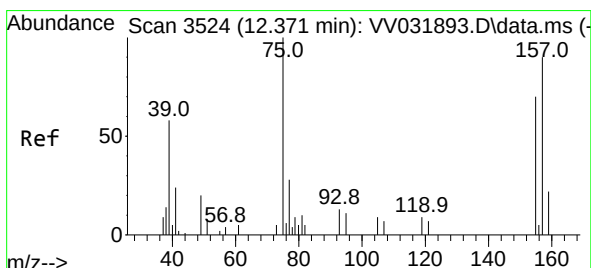
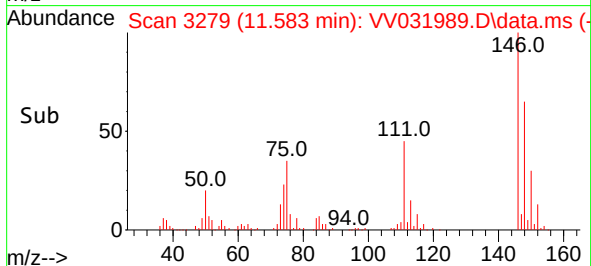
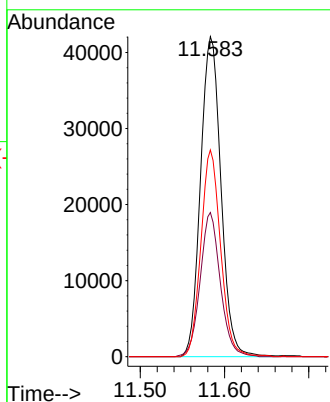
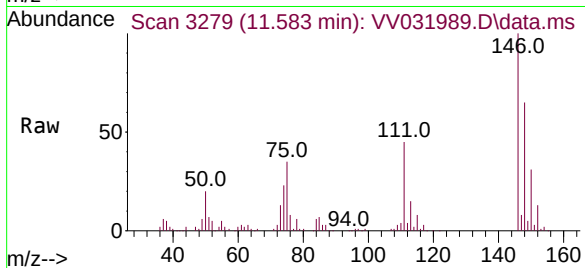
Tgt Ion:146 Resp: 71010

Ion Ratio Lower Upper

146 100

111 45.0 34.8 52.2

148 64.6 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.425 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031989.D

Acq: 09 Sep 2023 09:55

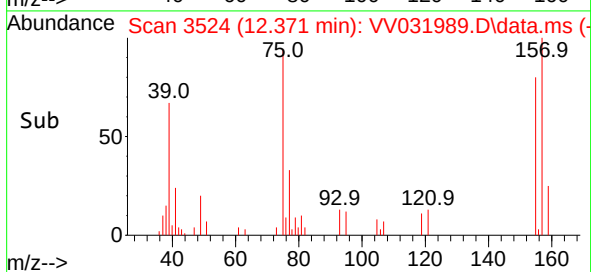
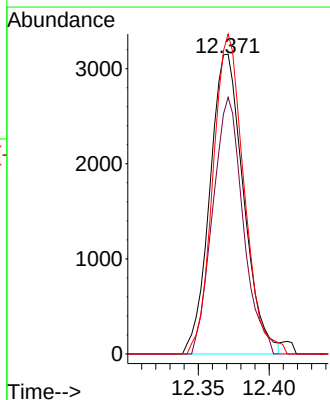
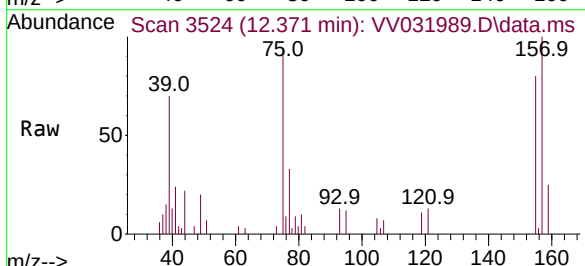
Tgt Ion: 75 Resp: 5211

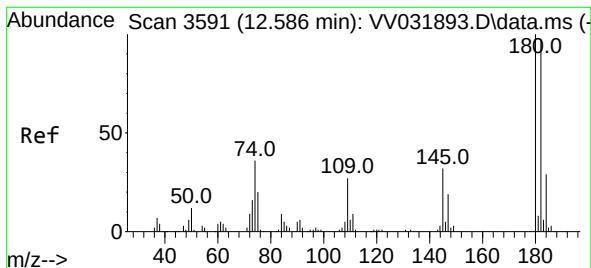
Ion Ratio Lower Upper

75 100

155 85.6 56.1 84.1#

157 106.7 71.1 106.7#





#69

1,3,5-Trichlorobenzene

Concen: 4.286 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.000 min

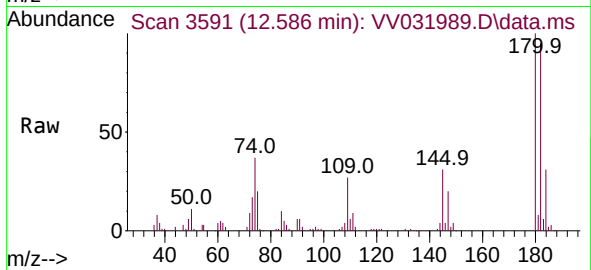
Lab File: VV031989.D

Acq: 09 Sep 2023 09:55

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 55360

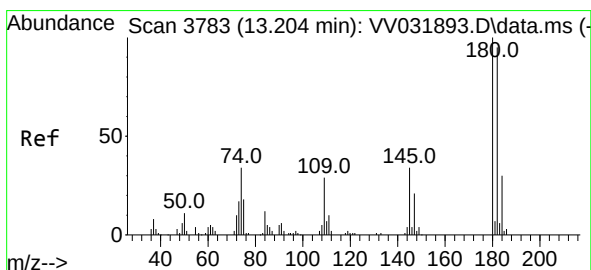
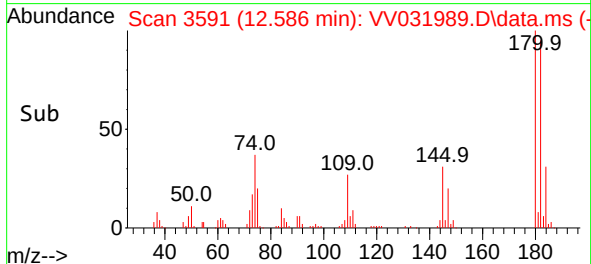
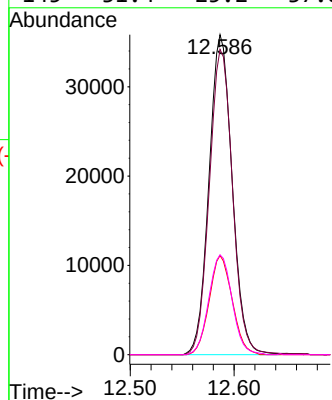
Ion Ratio Lower Upper

180 100

182 95.7 76.0 114.0

184 30.8 23.9 35.9

145 31.4 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.268 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031989.D

Acq: 09 Sep 2023 09:55

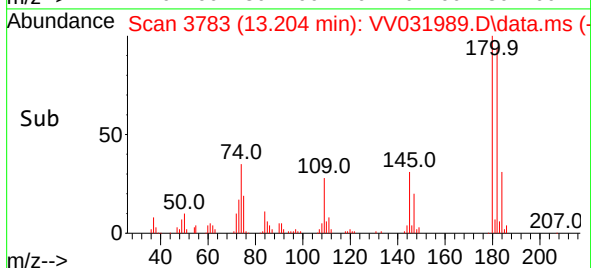
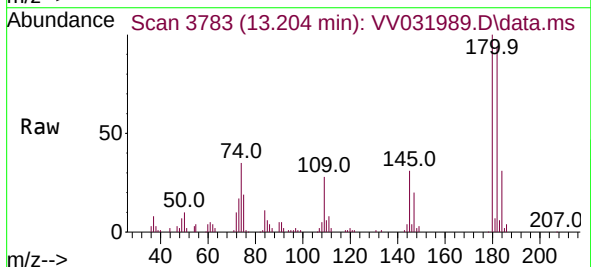
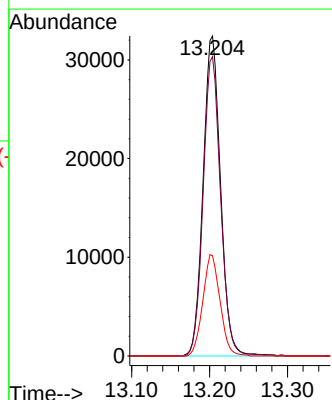
Tgt Ion:180 Resp: 50263

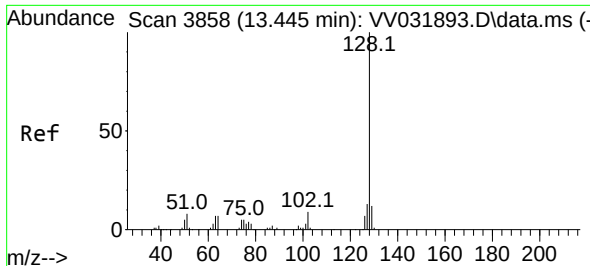
Ion Ratio Lower Upper

180 100

182 93.7 76.9 115.3

145 31.3 26.6 39.8

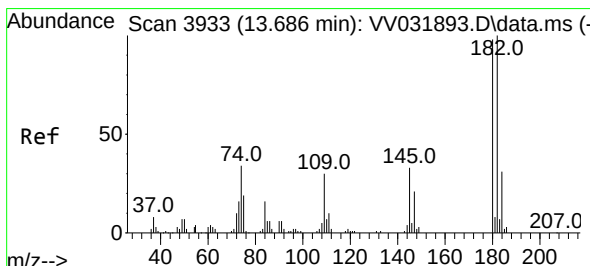
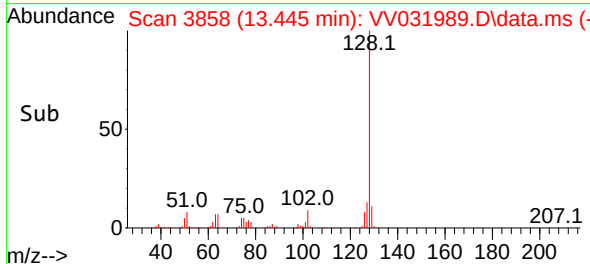
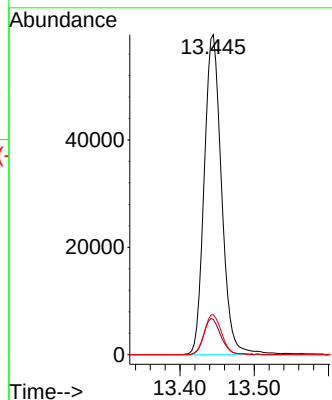
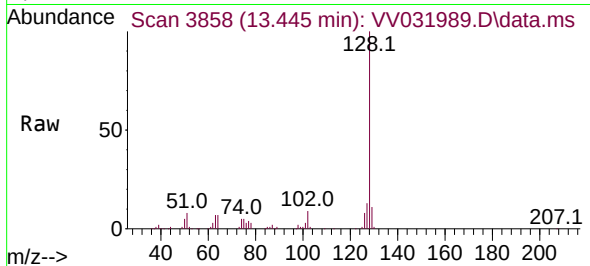




#71
Naphthalene
Concen: 4.359 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. -0.000 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:	128	Resp:	96688
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.9	13.3
127	12.5	10.8	16.2



#72
1,2,3-Trichlorobenzene
Concen: 4.336 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. -0.003 min
Lab File: VV031989.D
Acq: 09 Sep 2023 09:55

Tgt Ion:	180	Resp:	42996
Ion Ratio	Lower	Upper	
180	100		
182	95.3	75.9	113.9
145	33.7	27.3	40.9

