

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031560.D
 Acq On : 16 Jun 2023 03:43
 Operator : SY/MD
 Sample : 03254-10MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYW5MSD

Quant Time: Jun 16 06:21:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 05:51:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	258763	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	250518	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	149506	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	62144	36.085	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.180%
7) Chloroethane-d5	1.535	69	58098	38.664	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.320%
11) 1,1-Dichloroethene-d2	2.066	65	32390	36.493	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.980%
21) 2-Butanone-d5	3.796	46	118105	84.695	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.690%
24) Chloroform-d	4.259	84	177078	41.057	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.120%
26) 1,2-Dichloroethane-d4	4.950	65	112020	41.512	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.020%
32) Benzene-d6	4.969	84	307713	43.638	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.280%
36) 1,2-Dichloropropane-d6	5.995	67	107200	42.892	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.780%
41) Toluene-d8	7.249	98	288166	44.533	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.060%
43) trans-1,3-Dichloroprop...	7.558	79	52042	42.714	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.420%
47) 2-Hexanone-d5	8.030	63	87280	88.448	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.450%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	160613	42.576	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.160%
66) 1,2-Dichlorobenzene-d4	11.567	152	119946	42.089	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	107433	39.142	ug/L	100
3) Chloromethane	1.217	50	106657	41.181	ug/L	98
5) Vinyl chloride	1.288	62	218831	85.234	ug/L	99
6) Bromomethane	1.490	94	67514	40.347	ug/L	90
8) Chloroethane	1.555	64	168129	101.391	ug/L	94
9) Trichlorofluoromethane	1.719	101	176328	41.282	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	91268	39.872	ug/L	98
12) 1,1-Dichloroethene	2.076	96	84084	43.916	ug/L	93
13) Acetone	2.124	43	77314	56.187	ug/L	98
14) Carbon disulfide	2.246	76	256979	44.371	ug/L	100
15) Methyl Acetate	2.381	43	80172	34.606	ug/L	99
16) Methylene chloride	2.455	84	101172	42.147	ug/L	92
17) trans-1,2-Dichloroethene	2.703	96	90519	45.291	ug/L	99
18) Methyl tert-butyl Ether	2.712	73	306345	45.938	ug/L	99
19) 1,1-Dichloroethane	3.121	63	196527	45.561	ug/L	100
20) cis-1,2-Dichloroethene	3.821	96	169527	78.490	ug/L	96
22) 2-Butanone	3.879	43	126936	73.844	ug/L	98
23) Bromochloromethane	4.156	128	52126	44.647	ug/L	99
25) Chloroform	4.284	83	200876	44.798	ug/L	100

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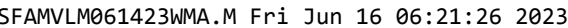
Instrument :
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 ClientSampleId :
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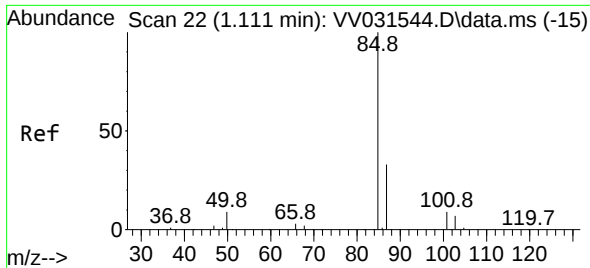
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 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 05:51:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	165950	47.952	ug/L	98
29) Cyclohexane	4.593	56	143783	44.114	ug/L	99
30) 1,1,1-Trichloroethane	4.522	97	181893	45.286	ug/L	99
31) Carbon tetrachloride	4.744	117	161600	45.408	ug/L	99
33) Benzene	5.018	78	385590	46.230	ug/L	100
34) Trichloroethene	5.841	95	101704	45.632	ug/L	98
35) Methylcyclohexane	6.059	83	134935	41.089	ug/L	97
37) 1,2-Dichloropropane	6.098	63	110358	45.059	ug/L	100
38) Bromodichloromethane	6.439	83	150291	45.399	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	166963	45.924	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	267198	92.910	ug/L	99
42) Toluene	7.320	91	412434	47.692	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	161358	45.575	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	104884	45.333	ug/L	97
46) Tetrachloroethene	7.911	164	77076	44.062	ug/L	99
48) 2-Hexanone	8.082	43	204821	89.175	ug/L	97
49) Dibromochloromethane	8.181	129	120813	46.983	ug/L	93
50) 1,2-Dibromoethane	8.288	107	112728	45.758	ug/L	98
51) Chlorobenzene	8.818	112	262954	45.911	ug/L	98
52) Ethylbenzene	8.953	91	452674	46.911	ug/L	100
53) m,p-Xylene	9.079	106	167929	47.521	ug/L	98
54) o-Xylene	9.484	106	159185	47.469	ug/L	100
55) Styrene	9.500	104	294009	49.091	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	172015	45.502	ug/L	98
59) Bromoform	9.670	173	90756	48.972	ug/L #	100
60) Isopropylbenzene	9.873	105	452291	47.453	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	130630	44.237	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	372358	47.268	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	343992	46.865	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	219005	45.831	ug/L	99
65) 1,4-Dichlorobenzene	11.213	146	226488	44.478	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	220373	45.692	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	36900	42.102	ug/L	96
69) 1,3,5-Trichlorobenzene	12.586	180	157115	43.150	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	139789	43.799	ug/L	99
71) Naphthalene	13.445	128	375662	46.469	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	148575	44.797	ug/L	98

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

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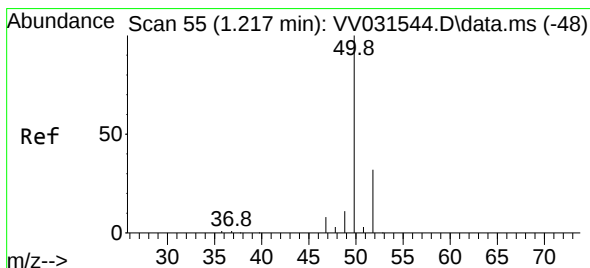
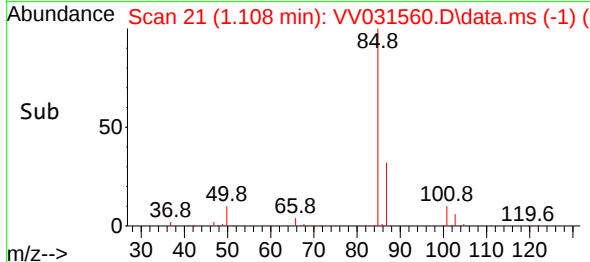
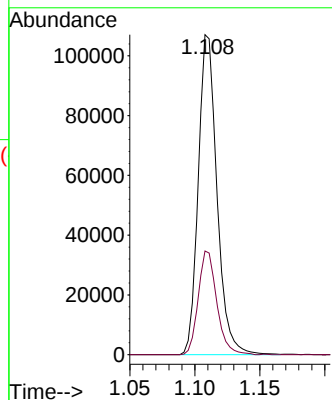
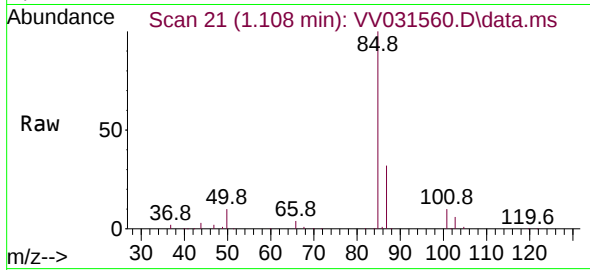




#2
 Dichlorodifluoromethane
 Concen: 39.142 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV031560.D
 Acq: 16 Jun 2023 03:43

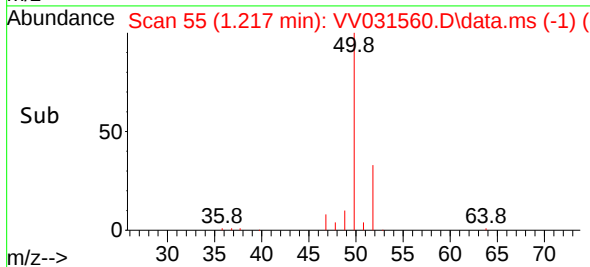
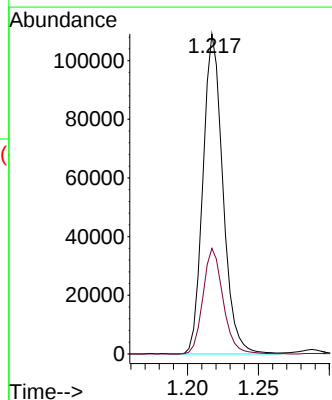
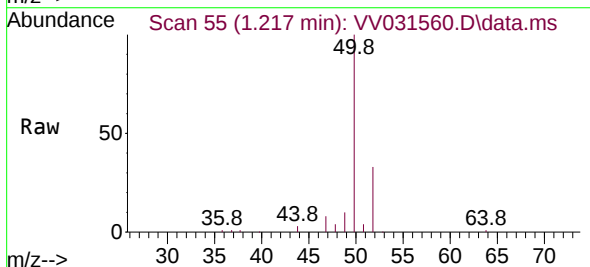
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYW5MSD

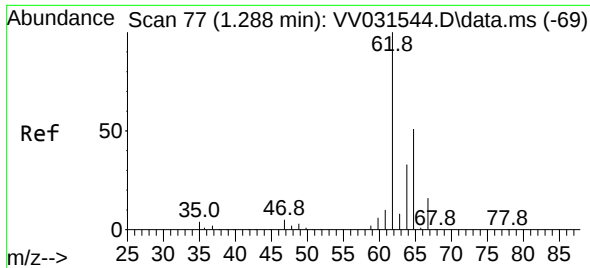
Tgt Ion: 85 Resp: 107433
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.5 38.3



#3
 Chloromethane
 Concen: 41.181 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031560.D
 Acq: 16 Jun 2023 03:43

Tgt Ion: 50 Resp: 106657
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.3 41.5

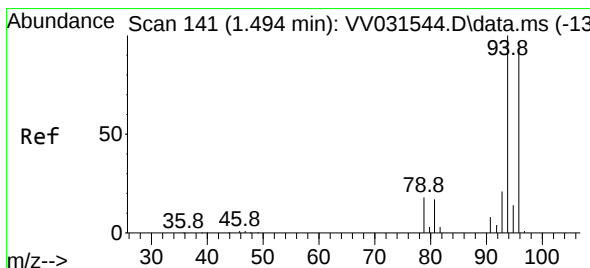
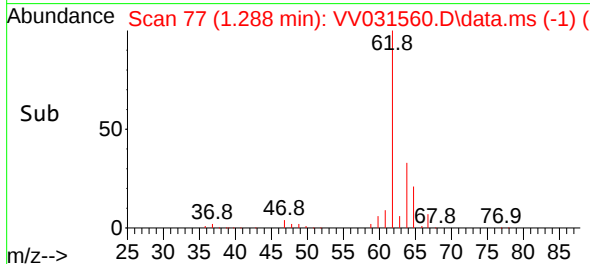
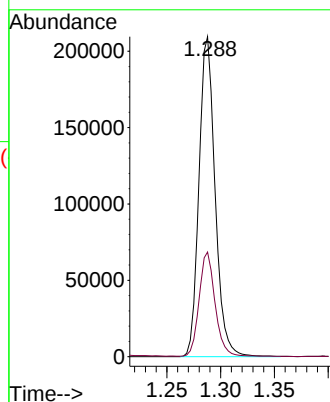
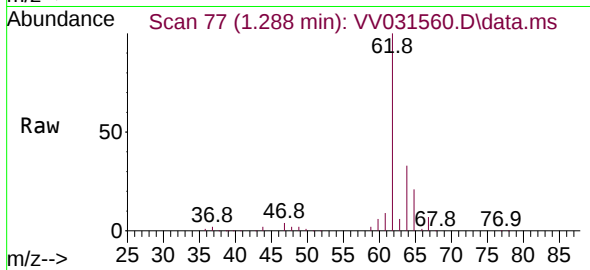




#5
 Vinyl chloride
 Concen: 85.234 ug/L
 RT: 1.288 min Scan# 77
 Delta R.T. -0.000 min
 Lab File: VV031560.D
 Acq: 16 Jun 2023 03:43

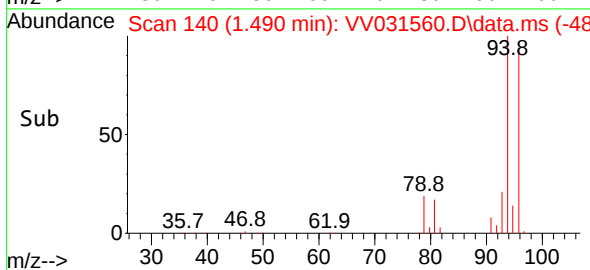
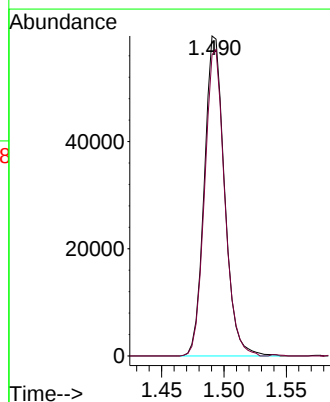
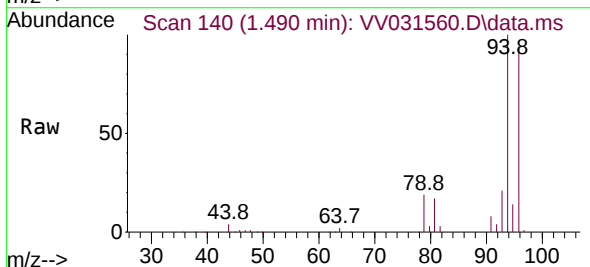
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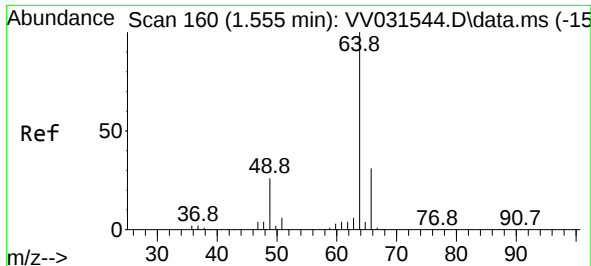
Tgt Ion: 62 Resp: 218831
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.4 43.4



#6
 Bromomethane
 Concen: 40.347 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.003 min
 Lab File: VV031560.D
 Acq: 16 Jun 2023 03:43

Tgt Ion: 94 Resp: 67514
 Ion Ratio Lower Upper
 94 100
 96 83.6 65.4 121.4

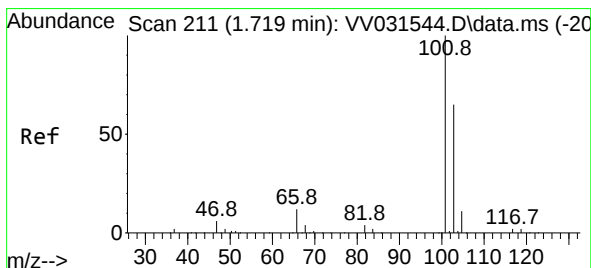
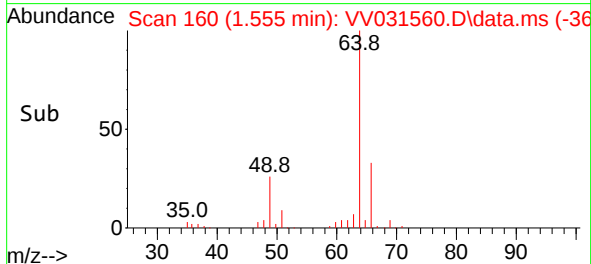
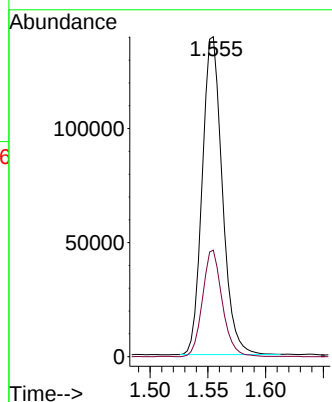
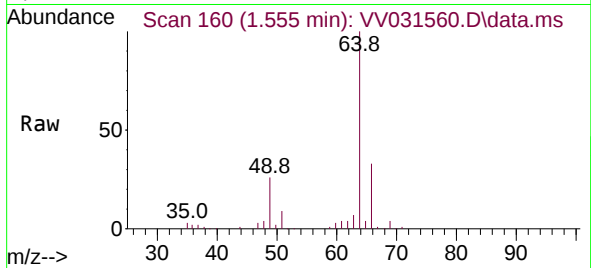




#8
Chloroethane
Concen: 101.391 ug/L
RT: 1.555 min Scan# 160
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

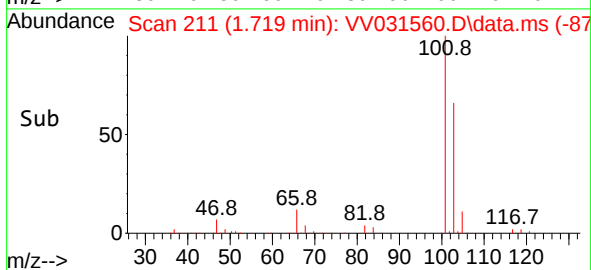
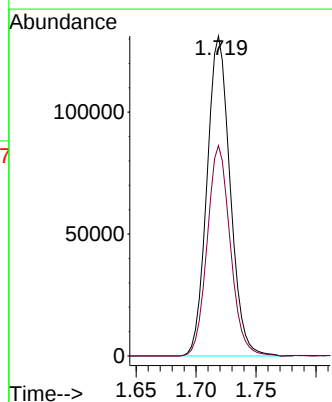
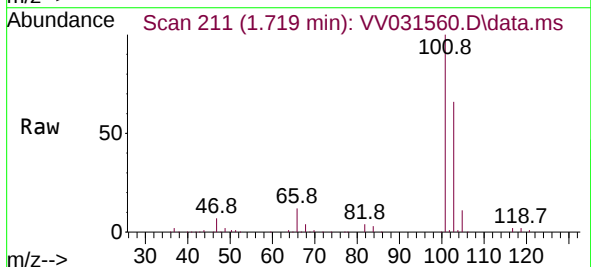
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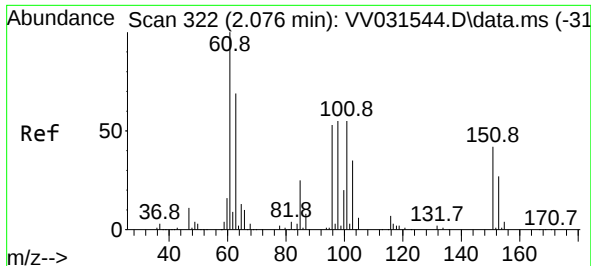
Tgt Ion: 64 Resp: 168129
Ion Ratio Lower Upper
64 100
66 33.3 21.0 39.0



#9
Trichlorofluoromethane
Concen: 41.282 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

Tgt Ion:101 Resp: 176328
Ion Ratio Lower Upper
101 100
103 65.4 50.9 76.3

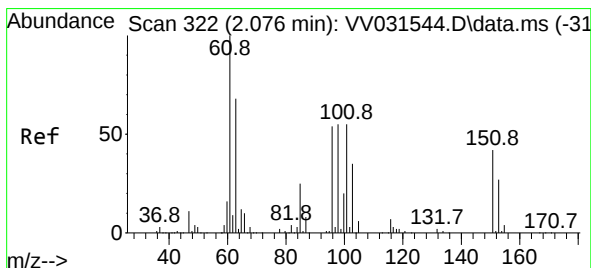
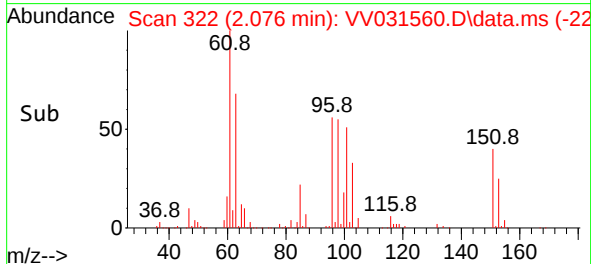
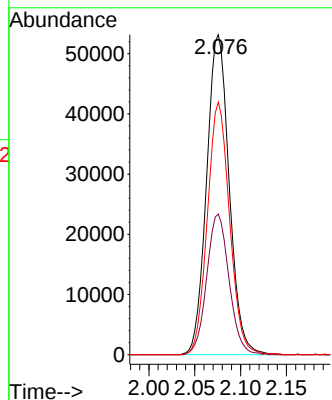
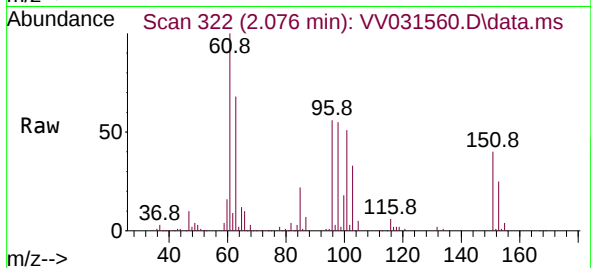




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 39.872 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV031560.D
 Acq: 16 Jun 2023 03:43

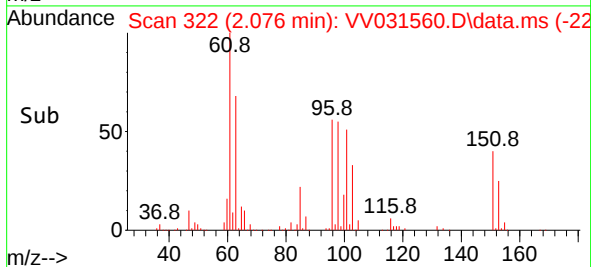
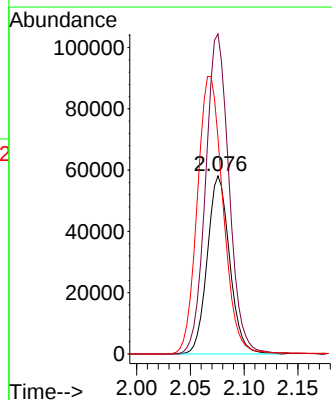
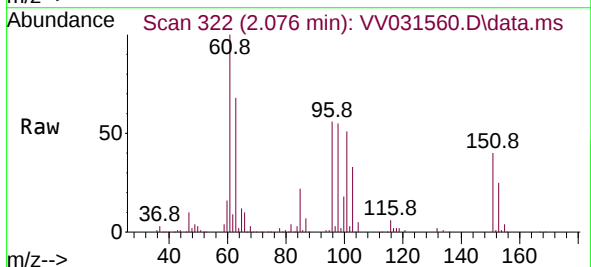
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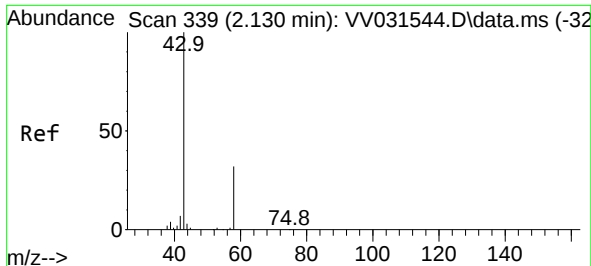
Tgt Ion:101 Resp: 91268
 Ion Ratio Lower Upper
 101 100
 85 43.4 37.4 56.0
 151 77.3 62.3 93.5



#12
 1,1-Dichloroethene
 Concen: 43.916 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.000 min
 Lab File: VV031560.D
 Acq: 16 Jun 2023 03:43

Tgt Ion: 96 Resp: 84084
 Ion Ratio Lower Upper
 96 100
 61 179.8 128.9 239.5
 63 121.7 95.3 177.1





#13

Acetone

Concen: 56.187 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.007 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA_V

ClientSampleId :

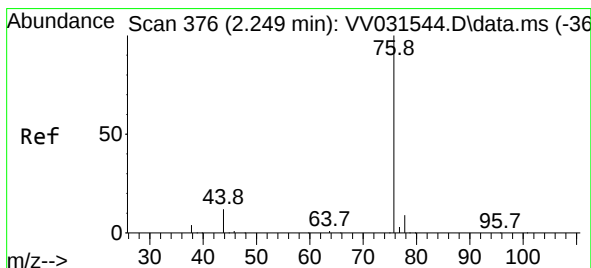
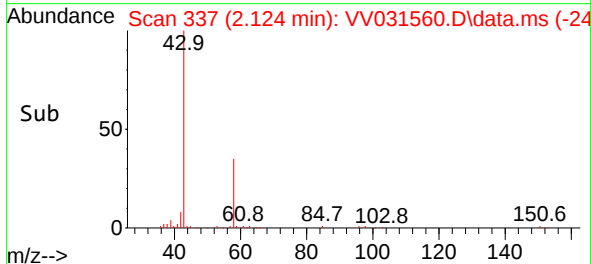
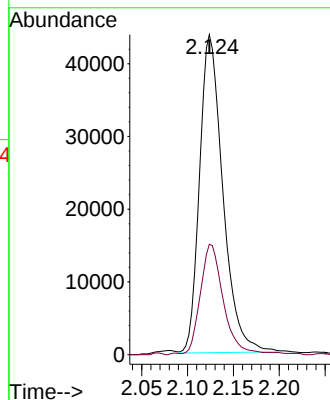
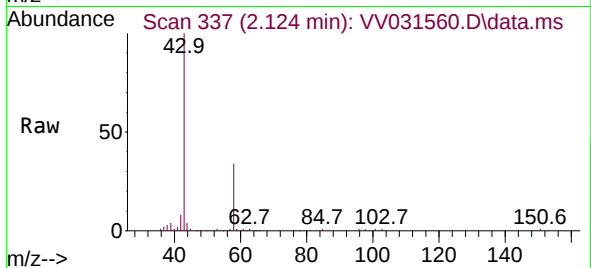
EXYW5MSD

Tgt Ion: 43 Resp: 77314

Ion Ratio Lower Upper

43 100

58 33.4 0.0 68.6



#14

Carbon disulfide

Concen: 44.371 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.003 min

Lab File: VV031560.D

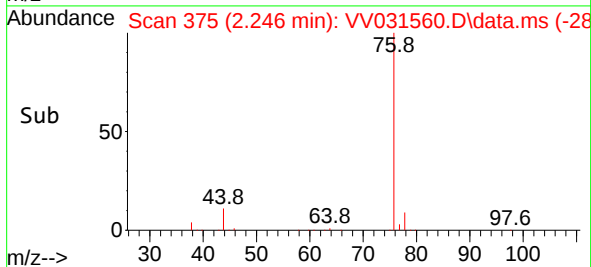
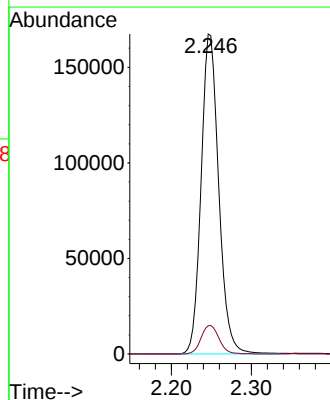
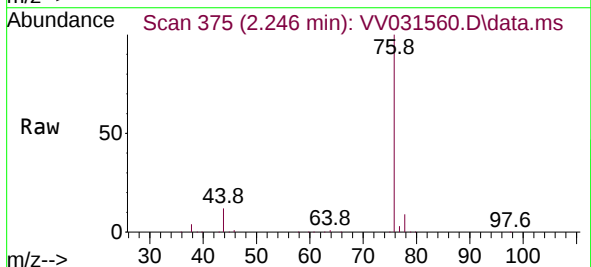
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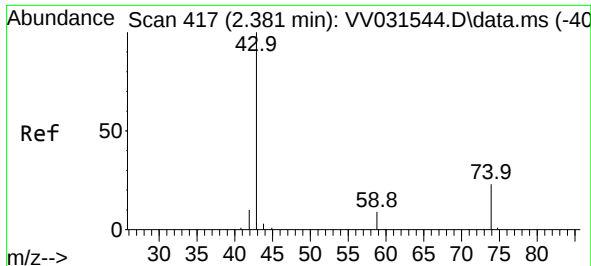
Tgt Ion: 76 Resp: 256979

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7





#15

Methyl Acetate

Concen: 34.606 ug/L

RT: 2.381 min Scan# 417

Delta R.T. -0.000 min

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Acq: 16 Jun 2023 03:43

Instrument :

MSVOA_V

ClientSampleId :

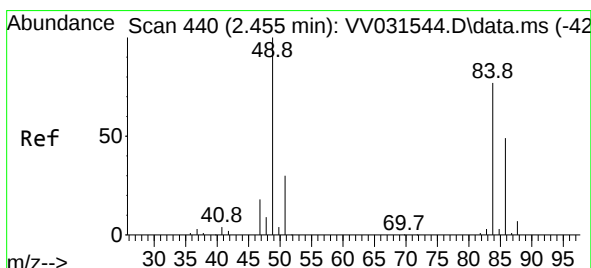
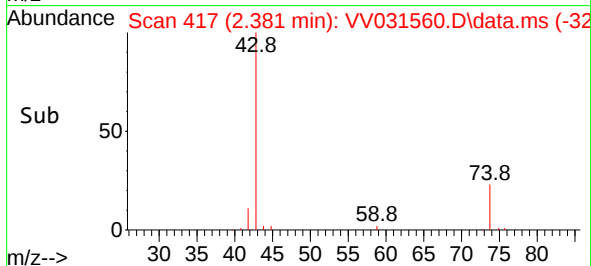
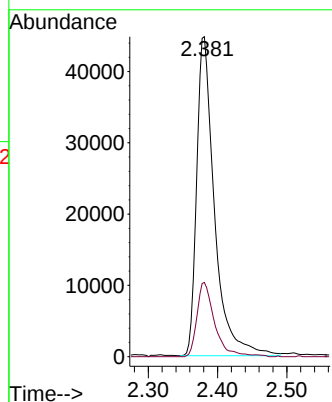
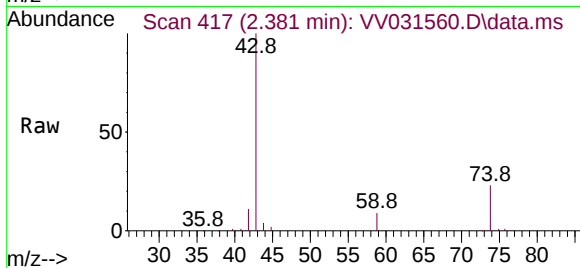
EXYW5MSD

Tgt Ion: 43 Resp: 80172

Ion Ratio Lower Upper

43 100

74 22.8 17.8 26.6



#16

Methylene chloride

Concen: 42.147 ug/L

RT: 2.455 min Scan# 440

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

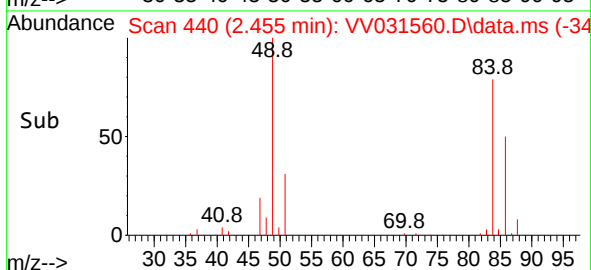
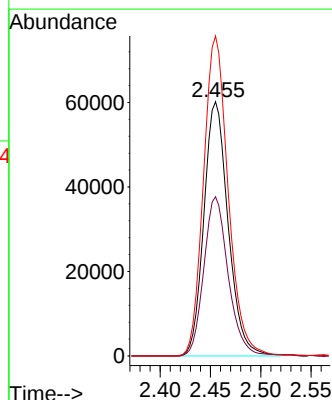
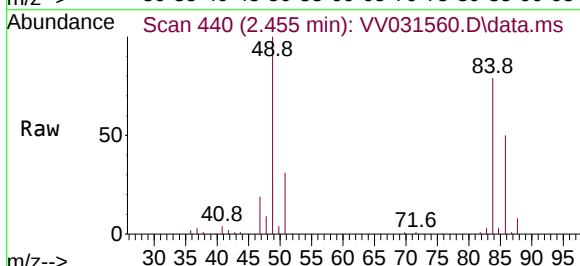
Tgt Ion: 84 Resp: 101172

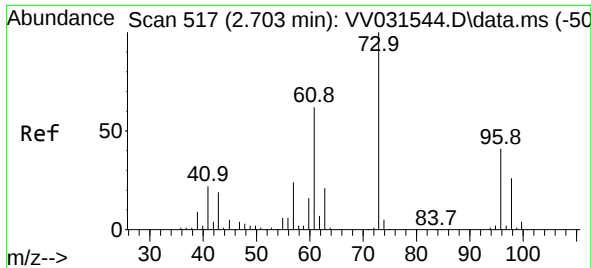
Ion Ratio Lower Upper

84 100

86 60.4 45.8 85.0

49 121.4 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 45.291 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MSD

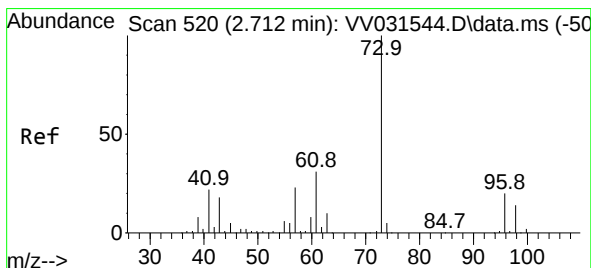
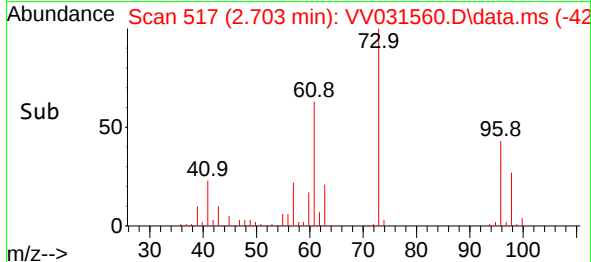
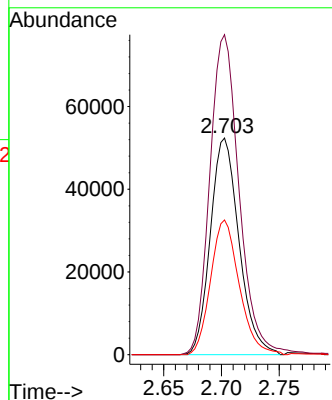
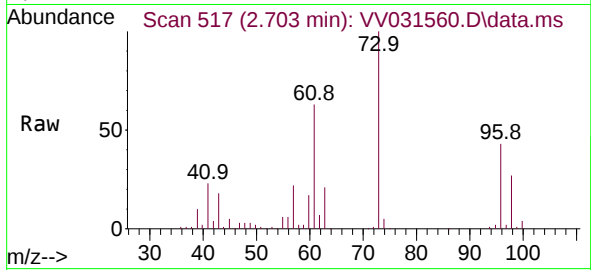
Tgt Ion: 96 Resp: 90519

Ion Ratio Lower Upper

96 100

61 147.7 102.5 190.3

98 62.2 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 45.938 ug/L

RT: 2.712 min Scan# 520

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

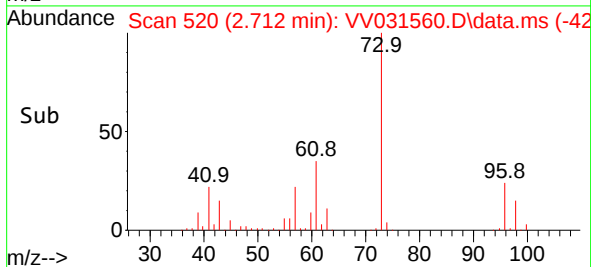
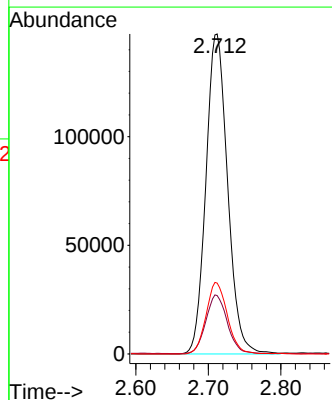
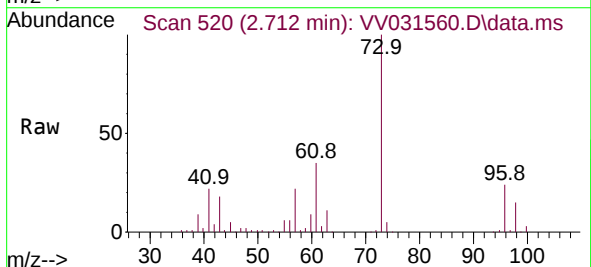
Tgt Ion: 73 Resp: 306345

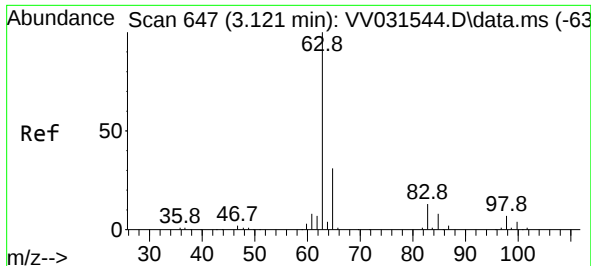
Ion Ratio Lower Upper

73 100

43 18.3 15.0 22.4

57 21.9 18.2 27.4





#19

1,1-Dichloroethane

Concen: 45.561 ug/L

RT: 3.121 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MSD

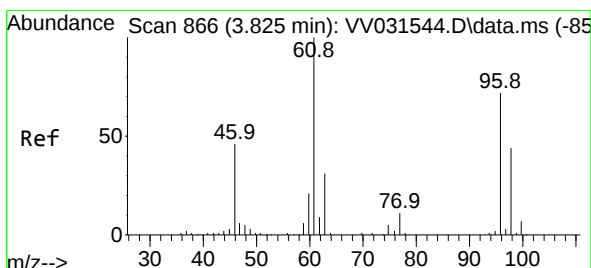
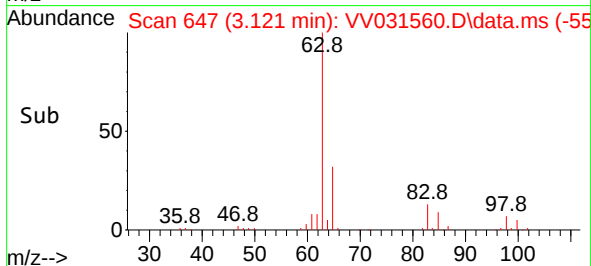
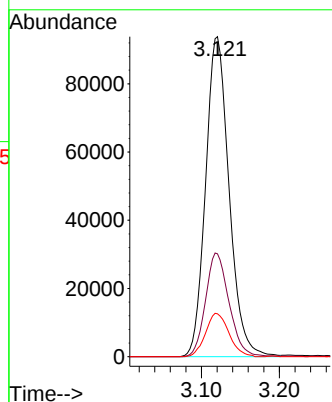
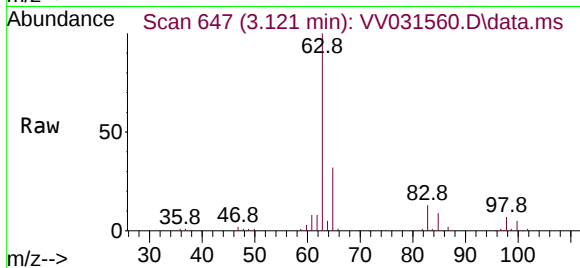
Tgt Ion: 63 Resp: 196527

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.7

83 14.1 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 78.490 ug/L

RT: 3.821 min Scan# 865

Delta R.T. -0.003 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

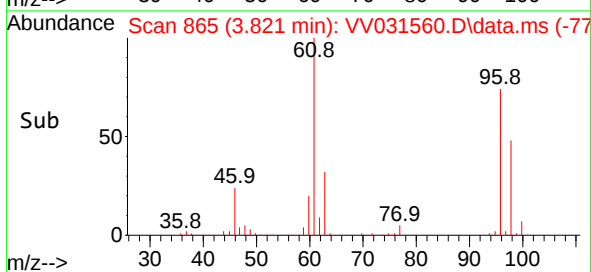
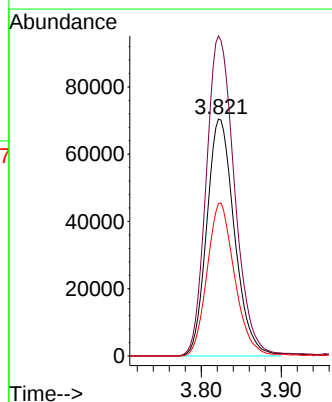
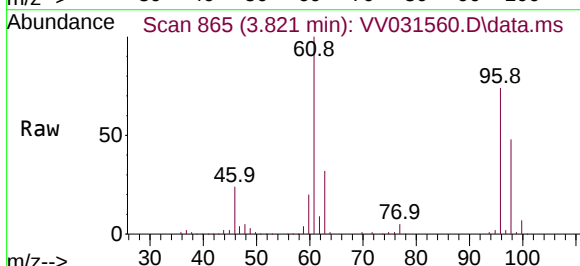
Tgt Ion: 96 Resp: 169527

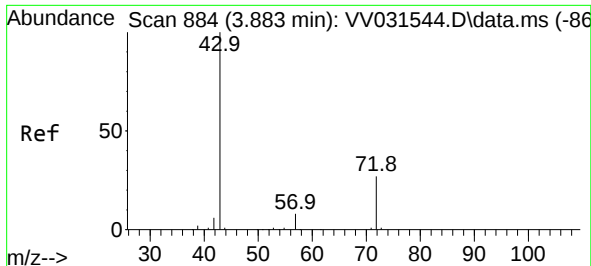
Ion Ratio Lower Upper

96 100

61 135.1 98.6 183.0

98 64.4 45.7 84.9

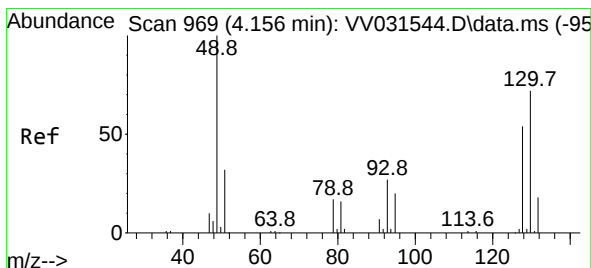
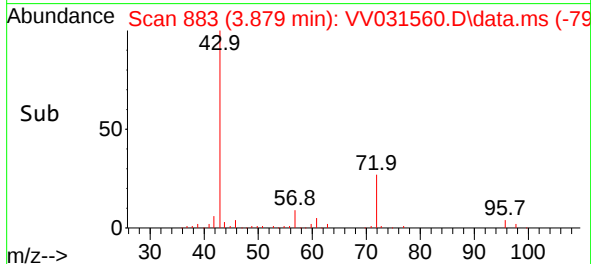
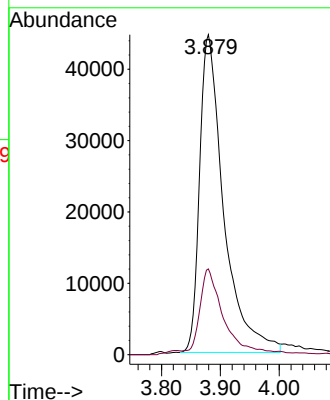
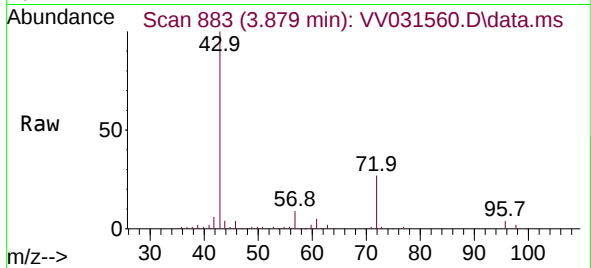




#22
2-Butanone
Concen: 73.844 ug/L
RT: 3.879 min Scan# 884
Delta R.T. -0.003 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

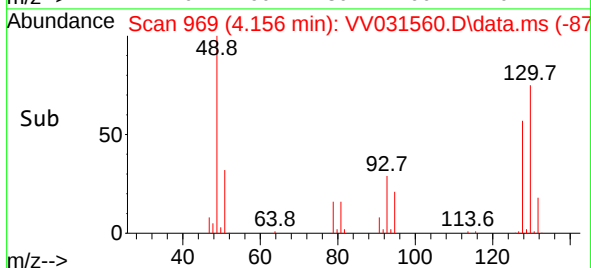
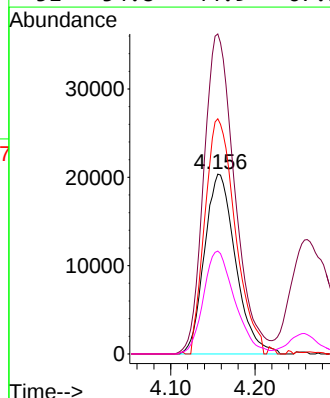
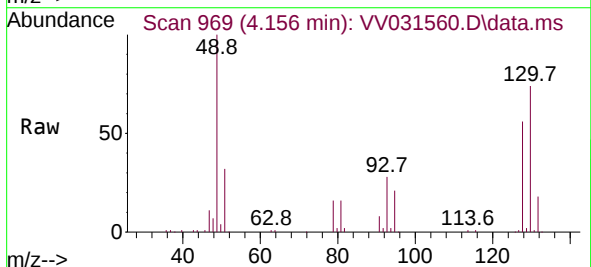
Instrument :
MSVOA_V
ClientSampleId :
EXYW5MSD

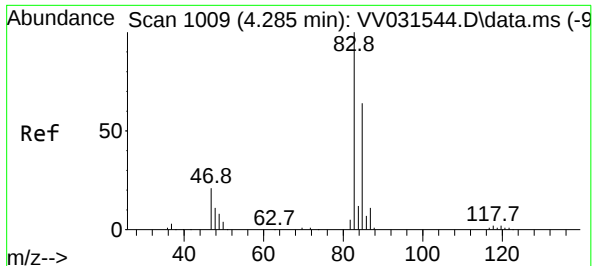
Tgt Ion: 43 Resp: 126936
Ion Ratio Lower Upper
43 100
72 23.1 12.2 36.4



#23
Bromochloromethane
Concen: 44.647 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

Tgt Ion:128 Resp: 52126
Ion Ratio Lower Upper
128 100
49 170.5 120.6 224.0
130 127.6 88.1 163.7
51 54.8 44.9 67.3





#25

Chloroform

Concen: 44.798 ug/L

RT: 4.284 min Scan# 1009

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA_V

ClientSampleId :

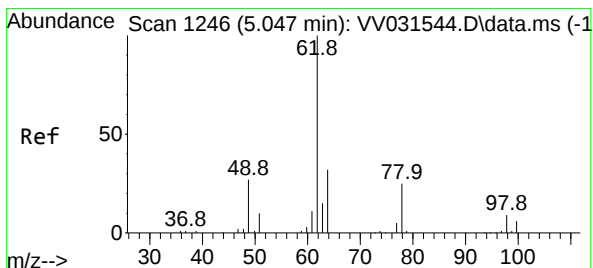
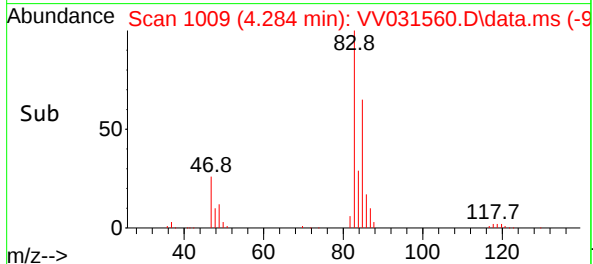
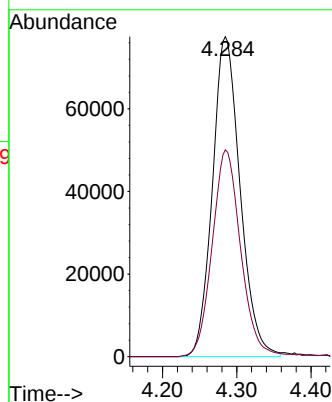
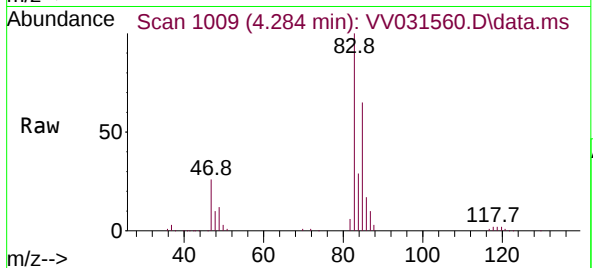
EXYW5MSD

Tgt Ion: 83 Resp: 200876

Ion Ratio Lower Upper

83 100

85 64.6 45.3 84.1



#27

1,2-Dichloroethane

Concen: 47.952 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031560.D

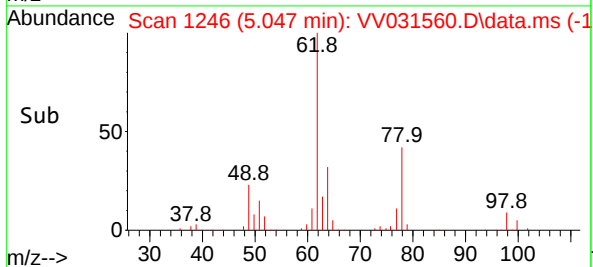
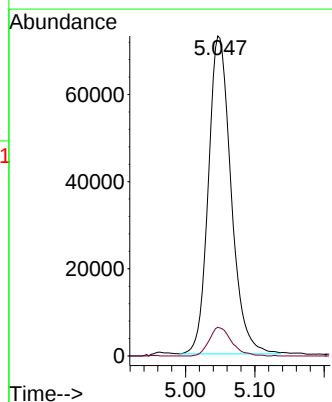
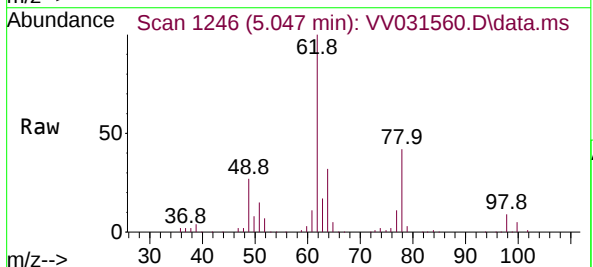
Acq: 16 Jun 2023 03:43

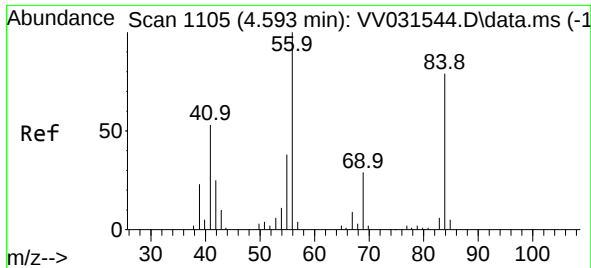
Tgt Ion: 62 Resp: 165950

Ion Ratio Lower Upper

62 100

98 8.9 6.6 9.8

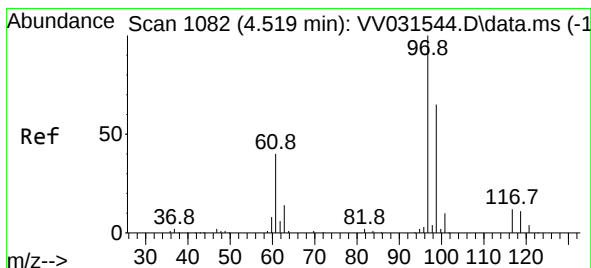
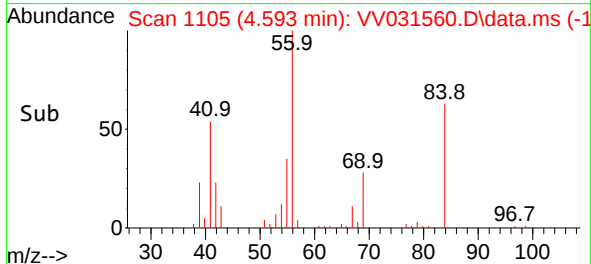
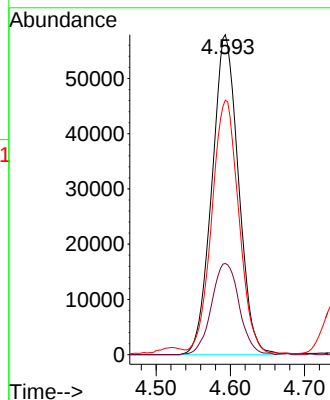
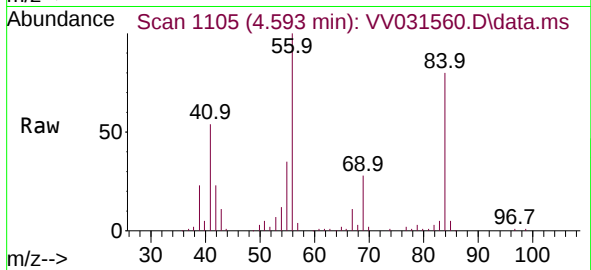




#29
Cyclohexane
Concen: 44.114 ug/L
RT: 4.593 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

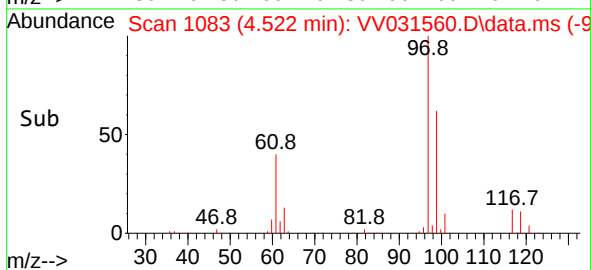
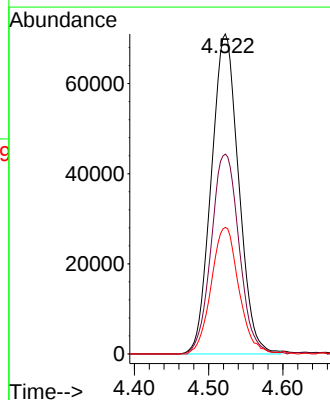
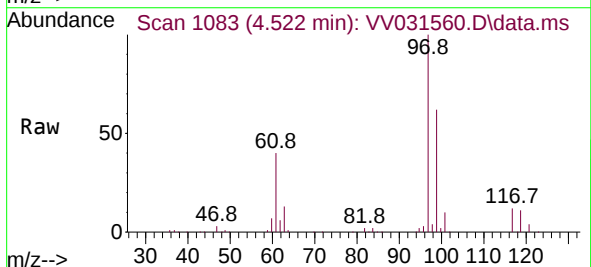
Instrument :
MSVOA_V
ClientSampleId :
EXYW5MSD

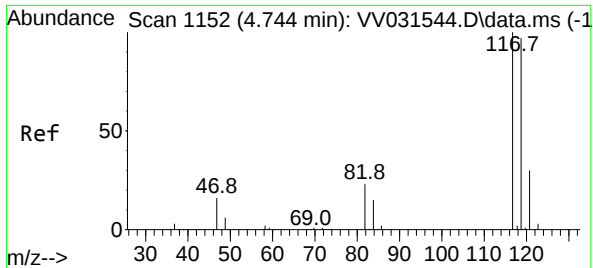
Tgt Ion: 56 Resp: 143783
Ion Ratio Lower Upper
56 100
69 29.8 24.3 36.5
84 80.3 65.0 97.6



#30
1,1,1-Trichloroethane
Concen: 45.286 ug/L
RT: 4.522 min Scan# 1083
Delta R.T. 0.003 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

Tgt Ion: 97 Resp: 181893
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.6
61 40.0 33.0 49.6

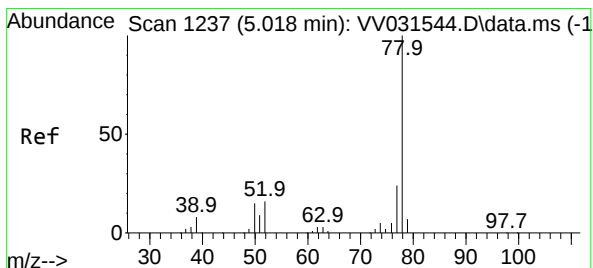
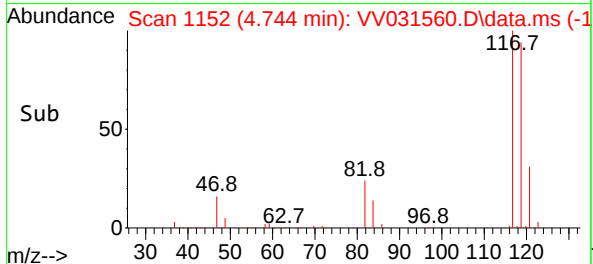
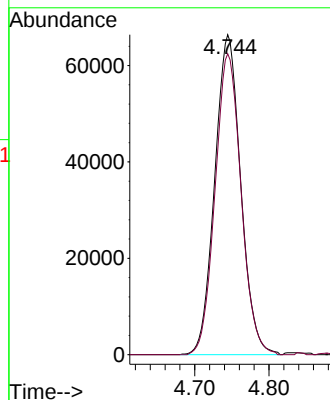
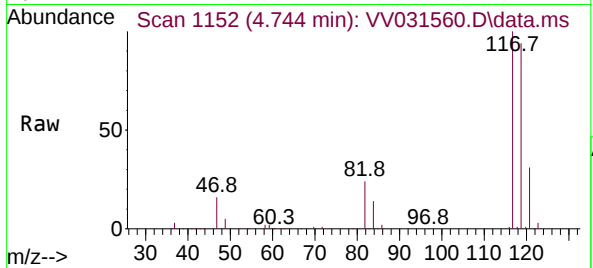




#31
Carbon tetrachloride
Concen: 45.408 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

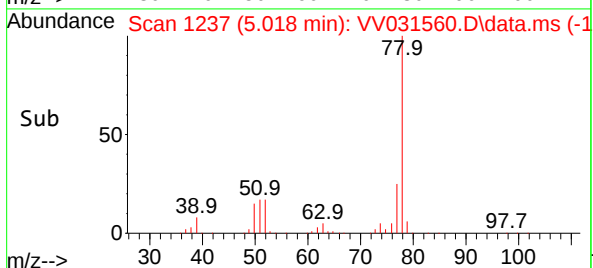
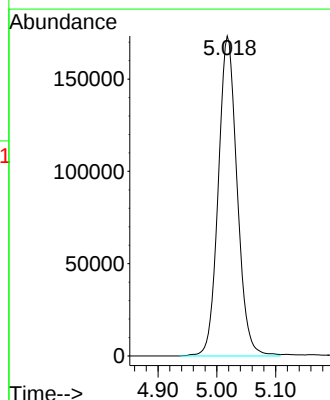
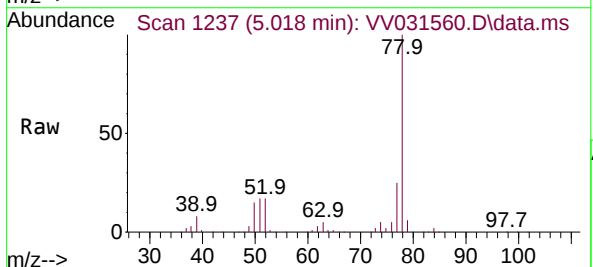
Instrument :
MSVOA_V
ClientSampleId :
EXYW5MSD

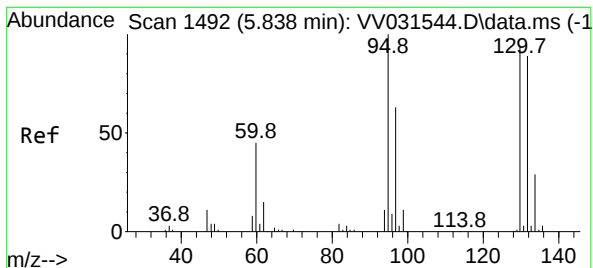
Tgt Ion:117 Resp: 161600
Ion Ratio Lower Upper
117 100
119 94.1 76.2 114.4



#33
Benzene
Concen: 46.230 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

Tgt Ion: 78 Resp: 385590





#34

Trichloroethene

Concen: 45.632 ug/L

RT: 5.841 min Scan# 1492

Delta R.T. 0.003 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MSD

Tgt Ion: 95 Resp: 101704

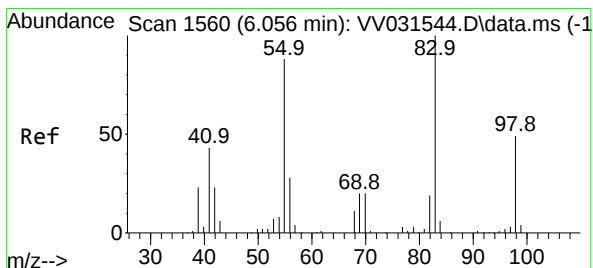
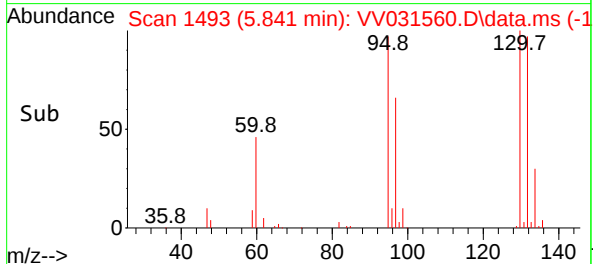
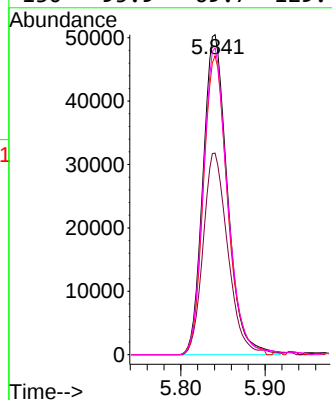
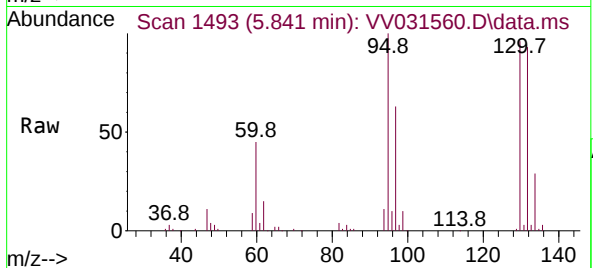
Ion Ratio Lower Upper

95 100

97 65.7 46.8 86.8

132 96.0 66.4 123.2

130 95.9 69.7 129.4



#35

Methylcyclohexane

Concen: 41.089 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. 0.003 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

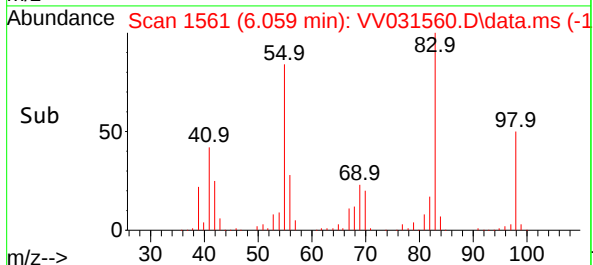
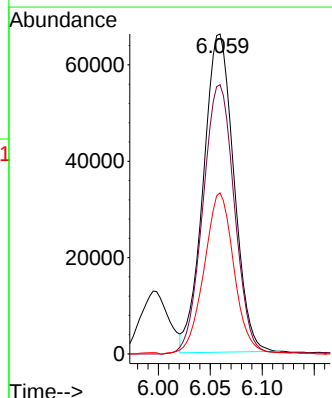
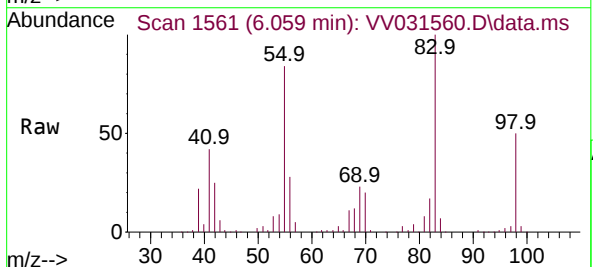
Tgt Ion: 83 Resp: 134935

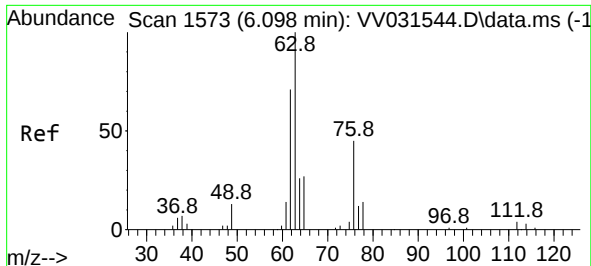
Ion Ratio Lower Upper

83 100

55 87.4 68.7 103.1

98 49.7 37.0 55.4





#37

1,2-Dichloropropane

Concen: 45.059 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA_V

ClientSampleId :

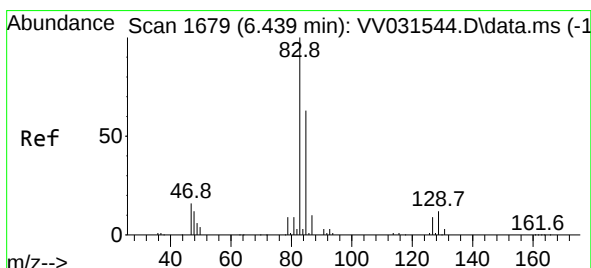
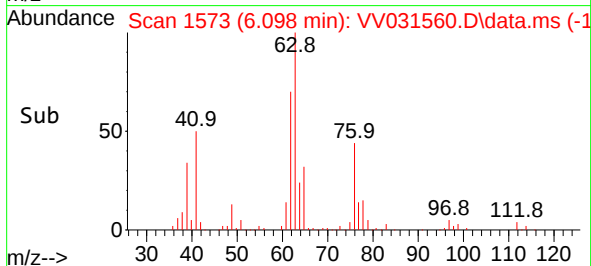
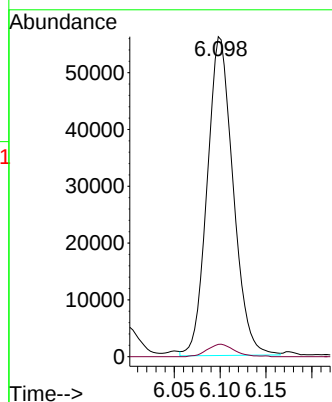
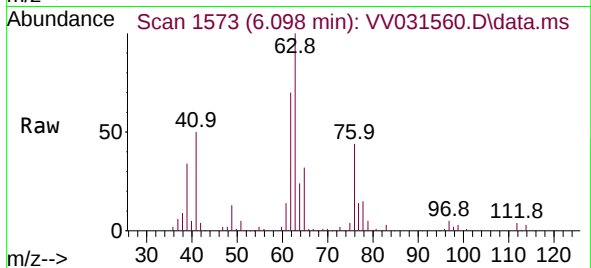
EXYW5MSD

Tgt Ion: 63 Resp: 110358

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 45.399 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

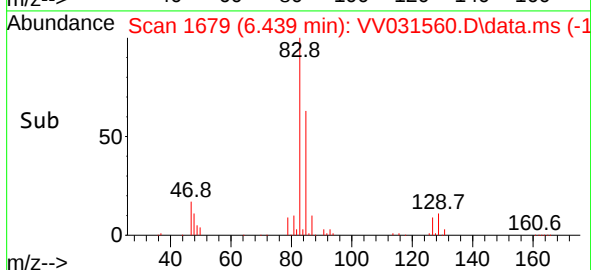
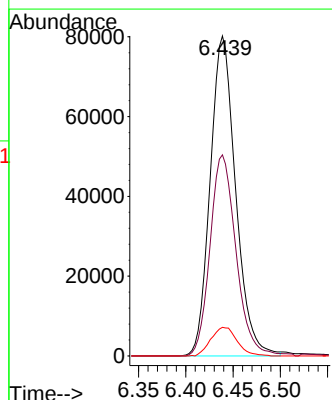
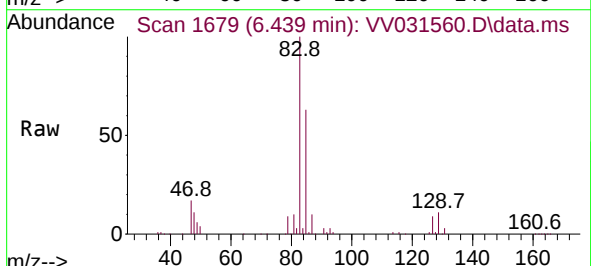
Tgt Ion: 83 Resp: 150291

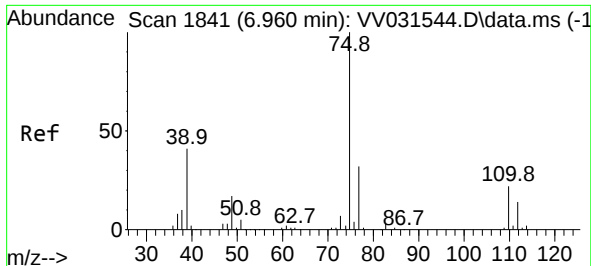
Ion Ratio Lower Upper

83 100

85 62.9 45.3 84.1

127 9.9 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 45.924 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA_V

ClientSampleId :

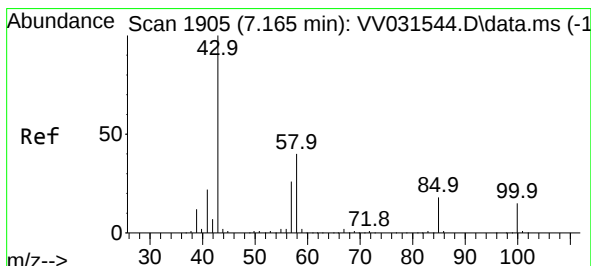
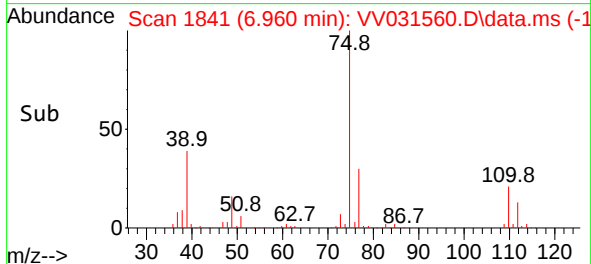
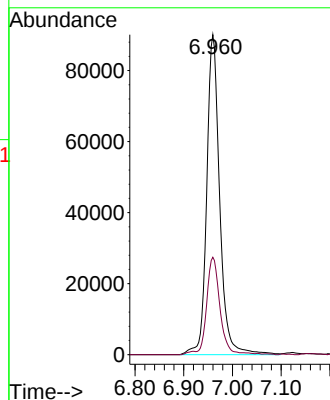
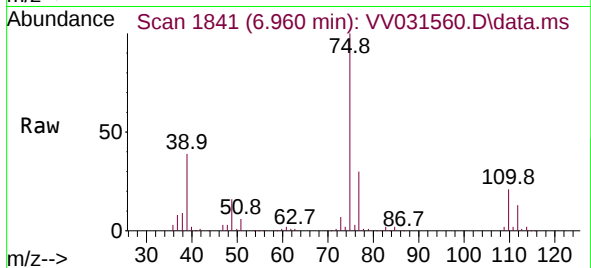
EXYW5MSD

Tgt Ion: 75 Resp: 166963

Ion Ratio Lower Upper

75 100

77 30.5 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 92.910 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

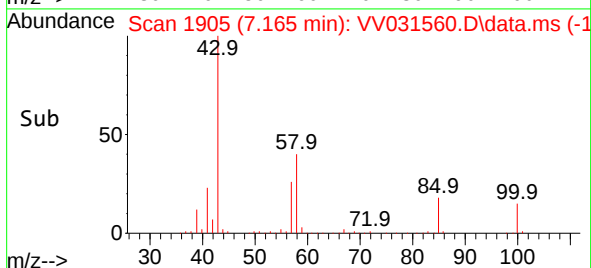
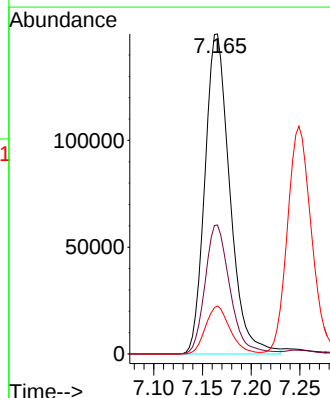
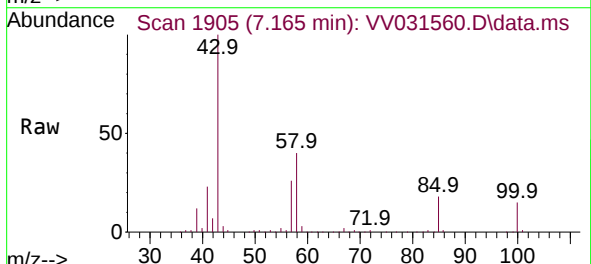
Tgt Ion: 43 Resp: 267198

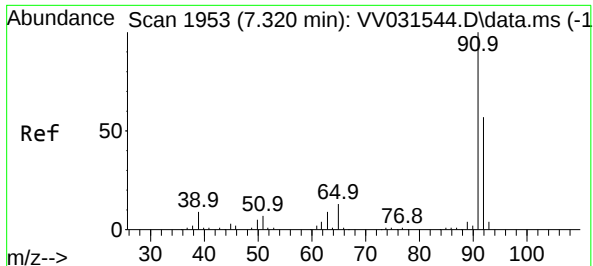
Ion Ratio Lower Upper

43 100

58 40.4 31.8 47.8

100 14.7 11.1 16.7





#42

Toluene

Concen: 47.692 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA_V

ClientSampleId :

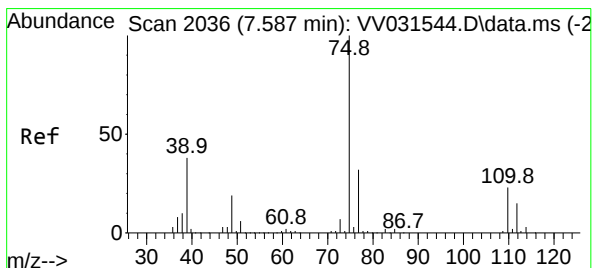
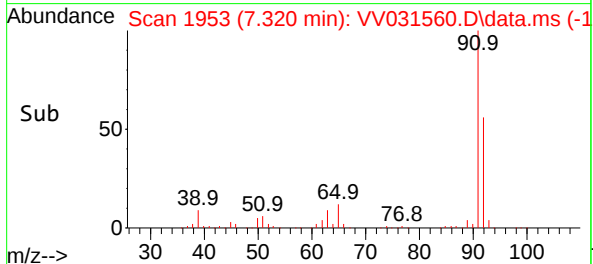
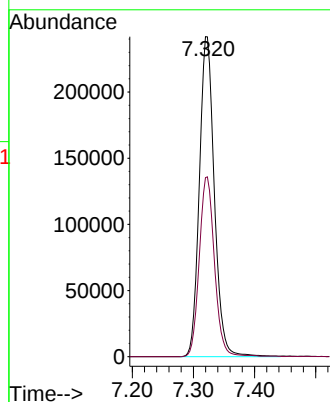
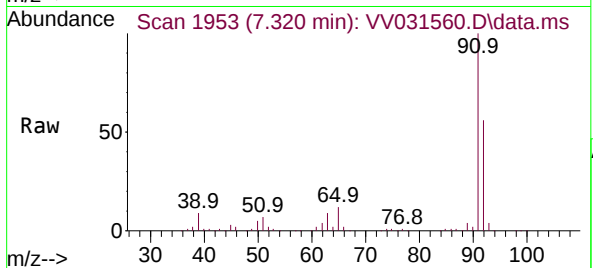
EXYW5MSD

Tgt Ion: 91 Resp: 412434

Ion Ratio Lower Upper

91 100

92 55.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 45.575 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031560.D

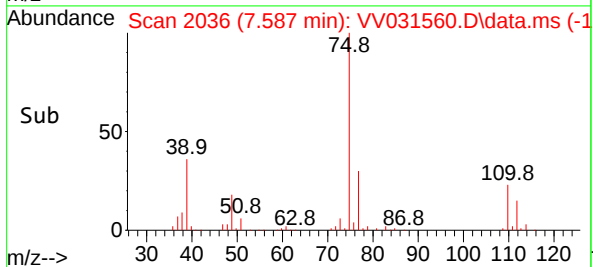
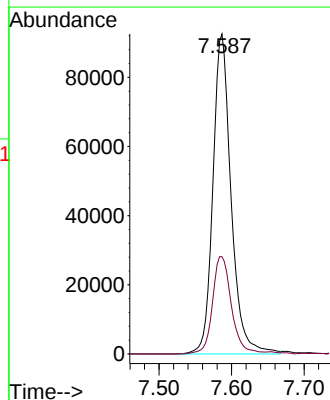
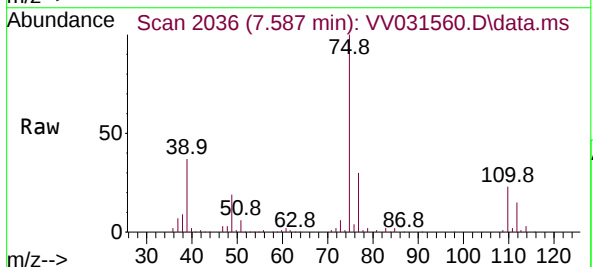
Acq: 16 Jun 2023 03:43

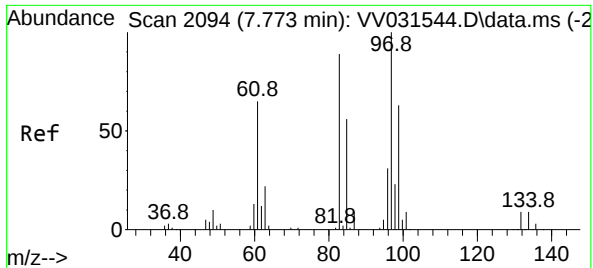
Tgt Ion: 75 Resp: 161358

Ion Ratio Lower Upper

75 100

77 30.4 22.1 41.1



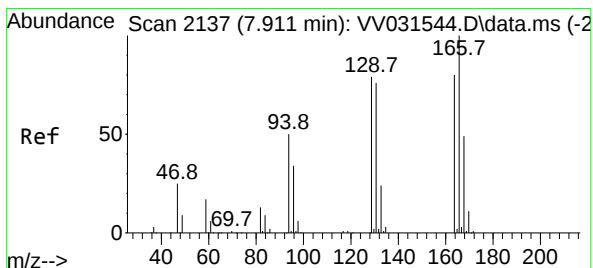
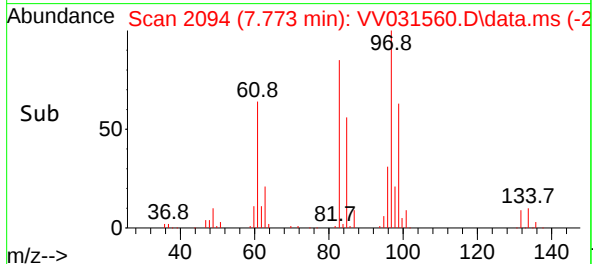
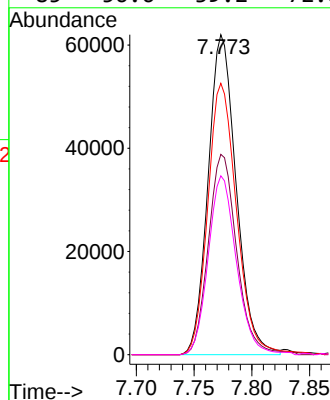
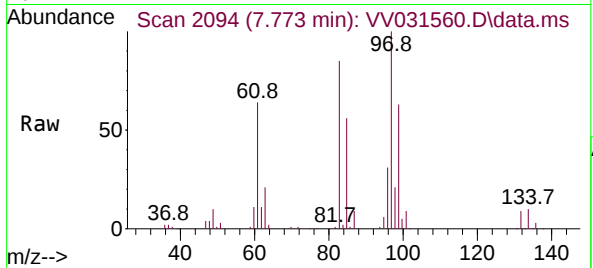


#45
1,1,2-Trichloroethane
Concen: 45.333 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

Instrument :
MSVOA_V
ClientSampleId :
EXYW5MSD

Tgt Ion: 97 Resp: 104884

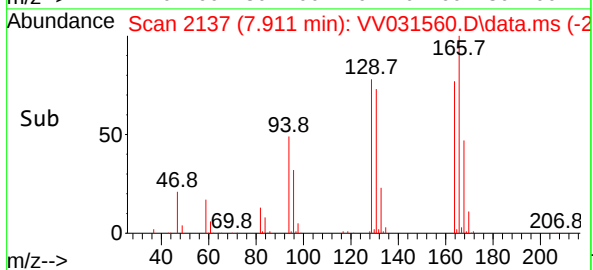
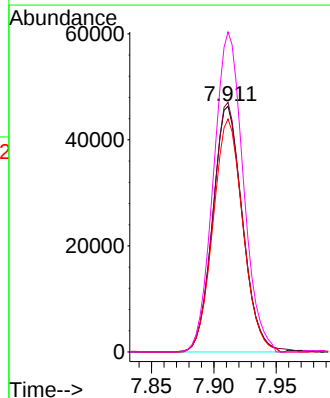
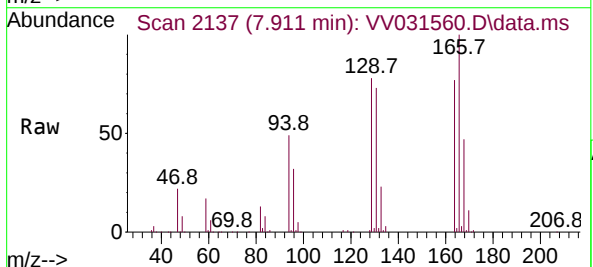
Ion	Ratio	Lower	Upper
97	100		
99	67.3	43.7	81.1
83	84.8	60.9	113.1
85	56.6	39.2	72.8

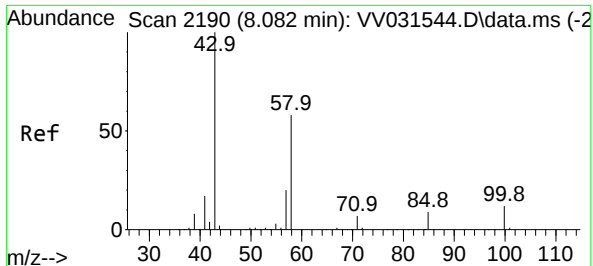


#46
Tetrachloroethene
Concen: 44.062 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

Tgt Ion: 164 Resp: 77076

Ion	Ratio	Lower	Upper
164	100		
129	98.6	68.4	127.0
131	94.4	67.6	125.6
166	129.6	91.3	169.5



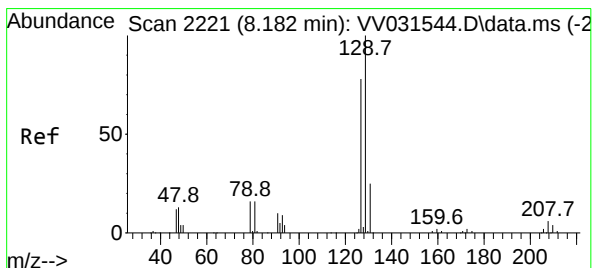
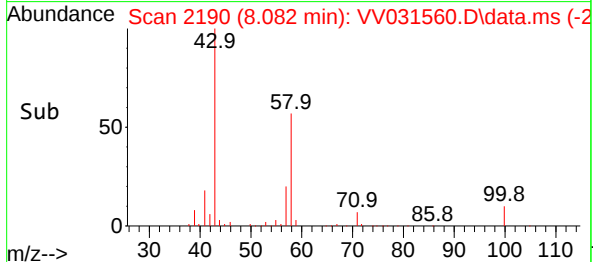
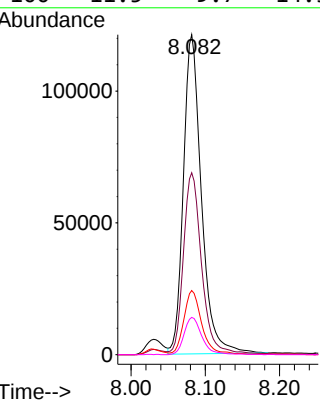
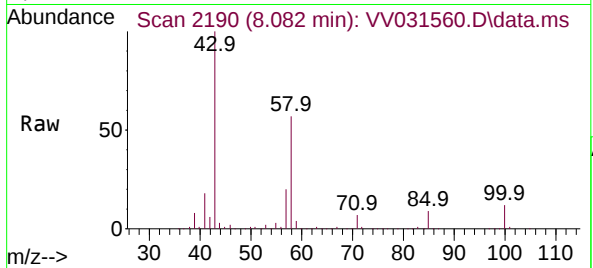


#48
2-Hexanone
Concen: 89.175 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

Instrument :
MSVOA_V
ClientSampleId :
EXYW5MSD

Tgt Ion: 43 Resp: 204821

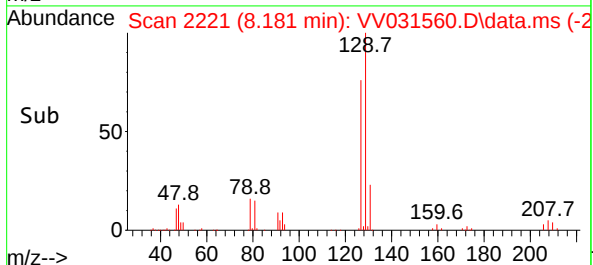
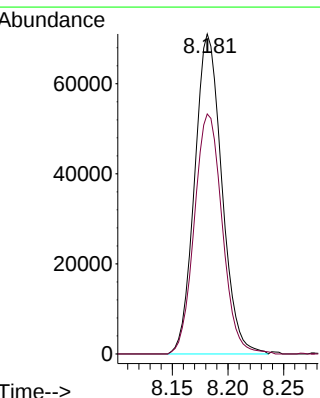
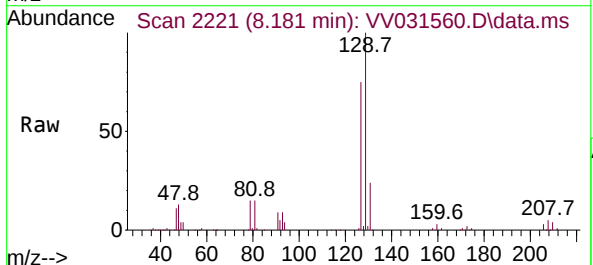
Ion	Ratio	Lower	Upper
43	100		
58	55.4	46.7	70.1
57	18.5	15.5	23.3
100	11.5	9.7	14.5

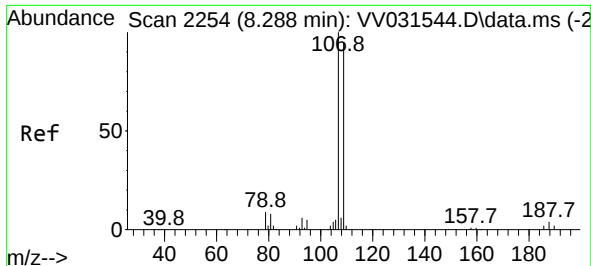


#49
Dibromochloromethane
Concen: 46.983 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

Tgt Ion: 129 Resp: 120813

Ion	Ratio	Lower	Upper
129	100		
127	73.8	55.8	103.6





#50

1,2-Dibromoethane

Concen: 45.758 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MSD

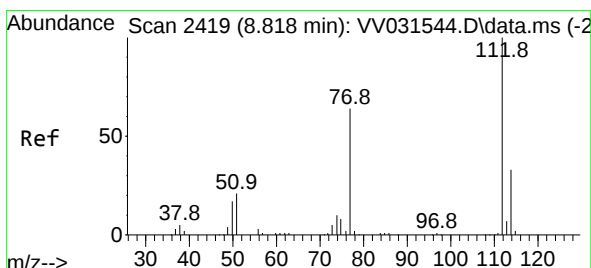
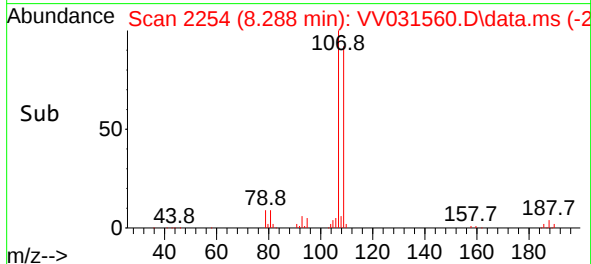
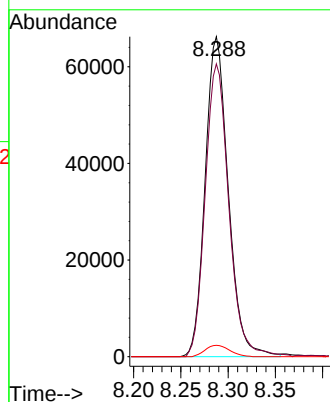
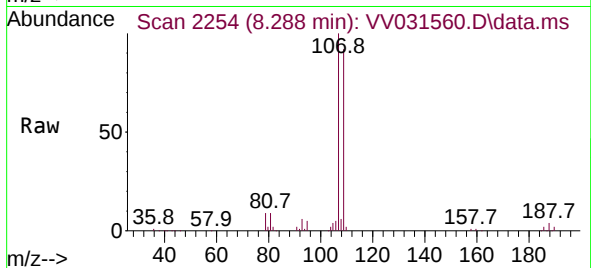
Tgt Ion:107 Resp: 112728

Ion Ratio Lower Upper

107 100

109 91.5 65.7 122.1

188 3.7 2.6 4.0



#51

Chlorobenzene

Concen: 45.911 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

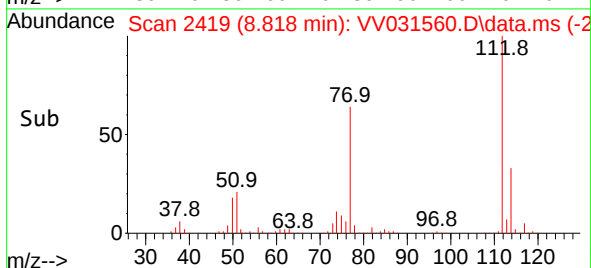
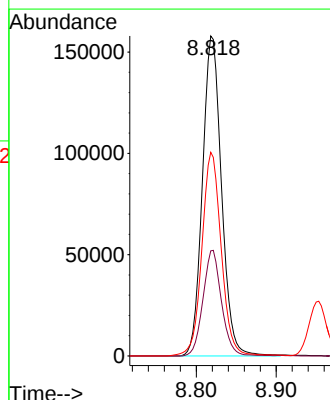
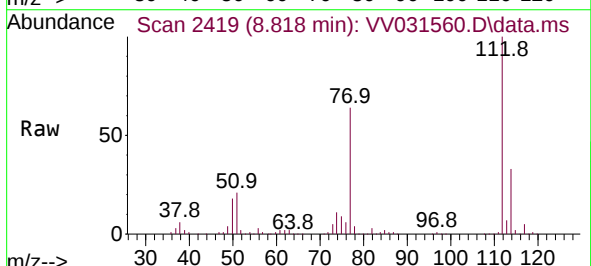
Tgt Ion:112 Resp: 262954

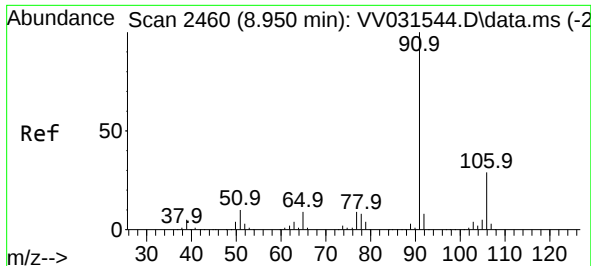
Ion Ratio Lower Upper

112 100

114 32.8 22.9 42.5

77 63.7 52.5 78.7





#52

Ethylbenzene

Concen: 46.911 ug/L

RT: 8.953 min Scan# 2460

Delta R.T. 0.003 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA_V

ClientSampleId :

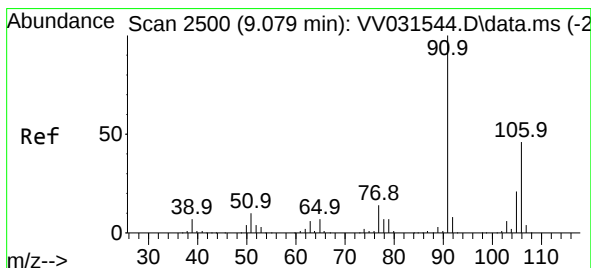
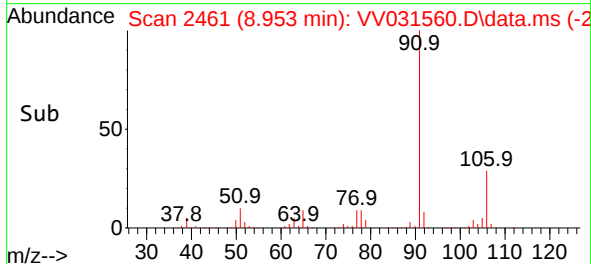
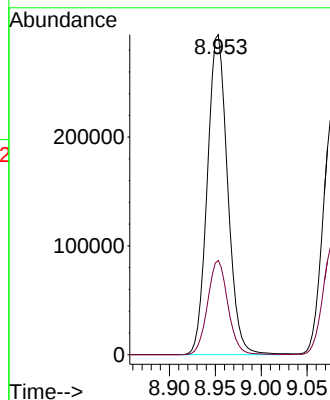
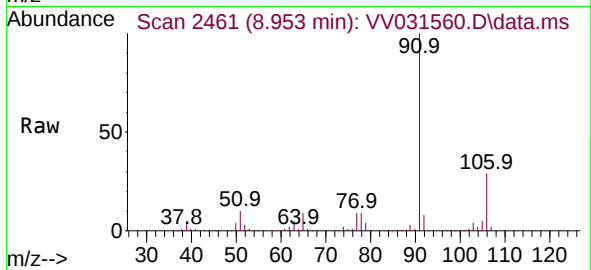
EXYW5MSD

Tgt Ion: 91 Resp: 452674

Ion Ratio Lower Upper

91 100

106 29.4 20.8 38.6



#53

m,p-Xylene

Concen: 47.521 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031560.D

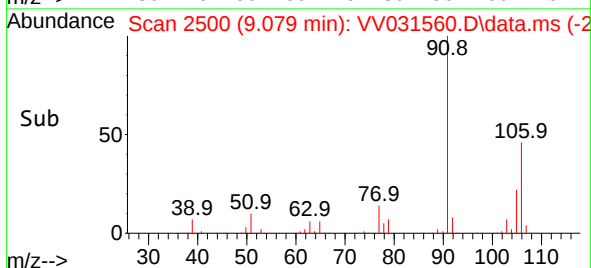
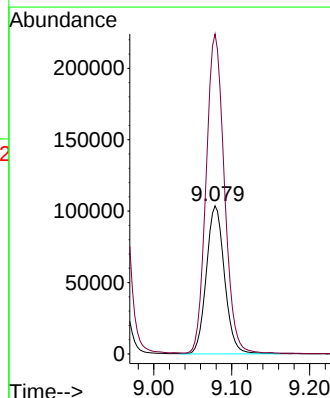
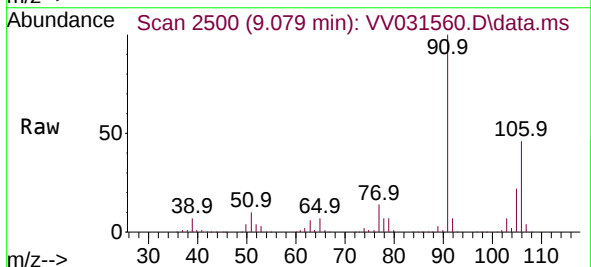
Acq: 16 Jun 2023 03:43

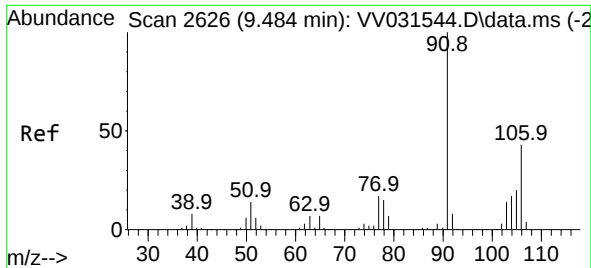
Tgt Ion:106 Resp: 167929

Ion Ratio Lower Upper

106 100

91 216.0 149.0 276.6

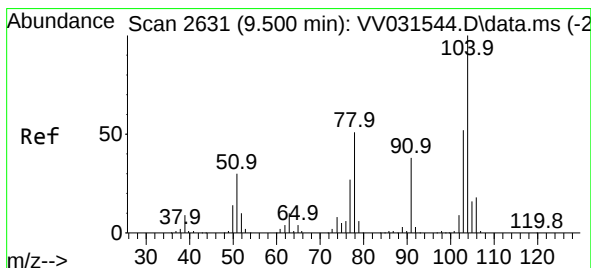
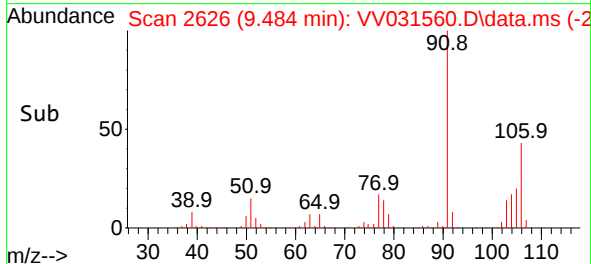
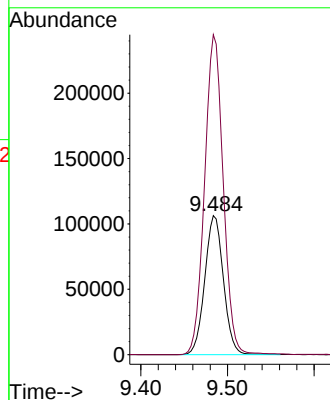
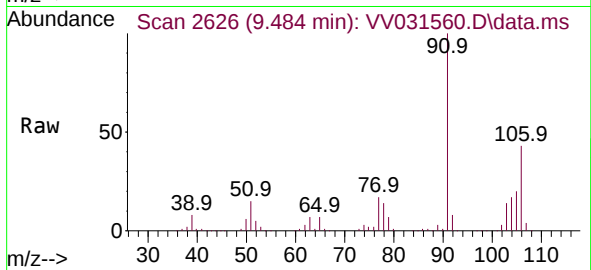




#54
o-Xylene
Concen: 47.469 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

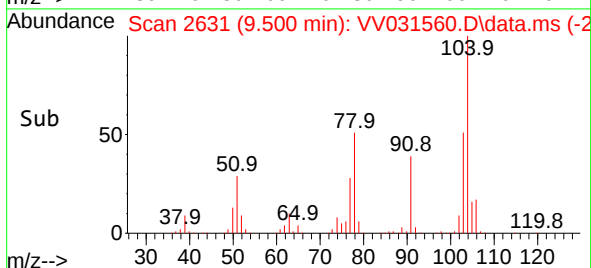
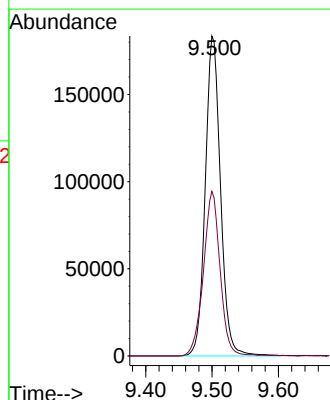
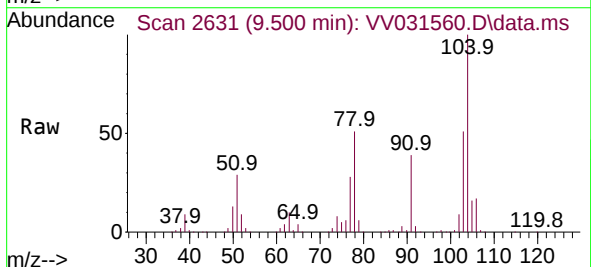
Instrument :
MSVOA_V
ClientSampleId :
EXYW5MSD

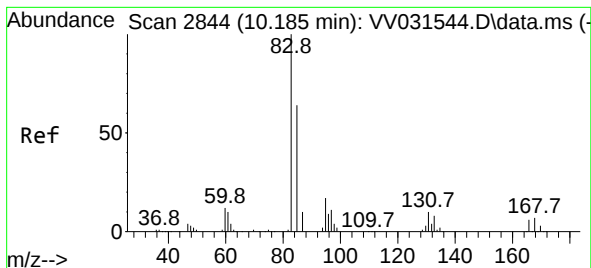
Tgt Ion:106 Resp: 159185
Ion Ratio Lower Upper
106 100
91 230.2 161.3 299.7



#55
Styrene
Concen: 49.091 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

Tgt Ion:104 Resp: 294009
Ion Ratio Lower Upper
104 100
78 51.4 35.1 65.3

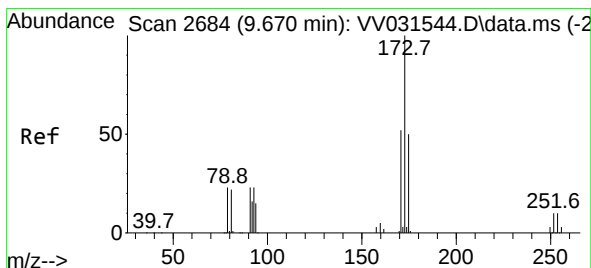
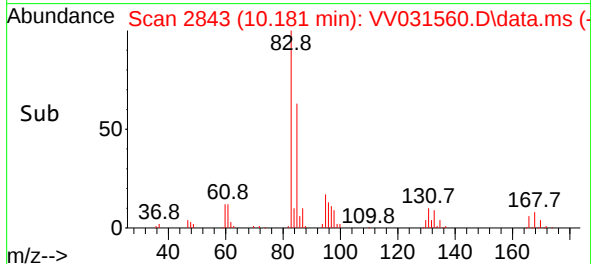
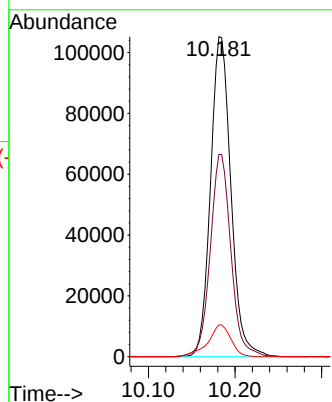
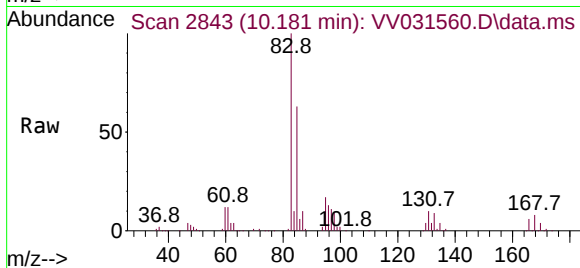




#57
1,1,2,2-Tetrachloroethane
Concen: 45.502 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

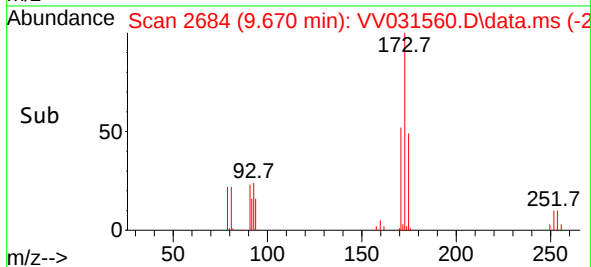
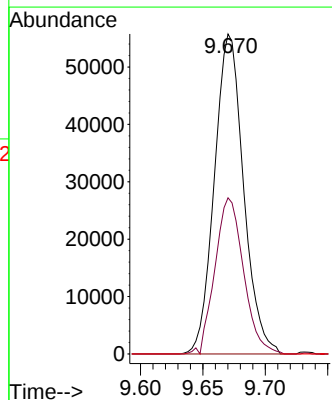
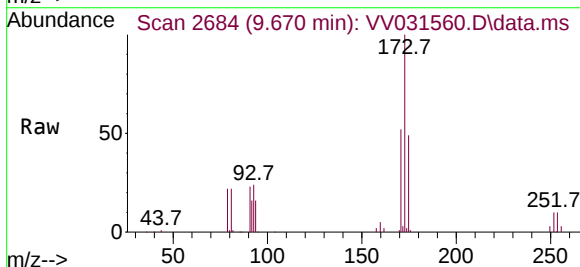
Instrument :
MSVOA_V
ClientSampleId :
EXYW5MSD

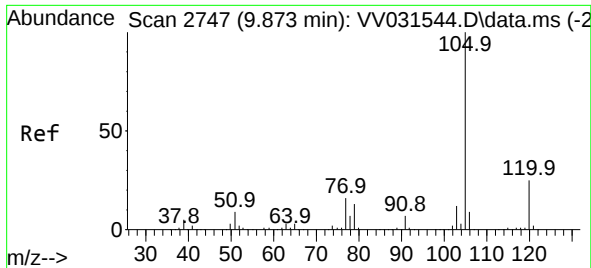
Tgt Ion: 83 Resp: 172015
Ion Ratio Lower Upper
83 100
85 63.2 43.1 80.1
131 13.8 10.6 16.0



#59
Bromoform
Concen: 48.972 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

Tgt Ion: 173 Resp: 90756
Ion Ratio Lower Upper
173 100
175 47.4 37.7 56.5
254 0.0 0.1 0.1

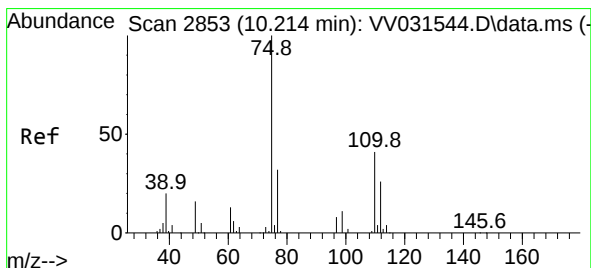
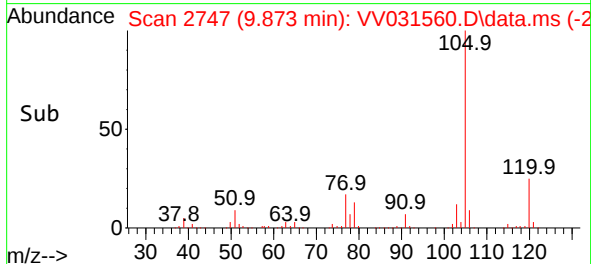
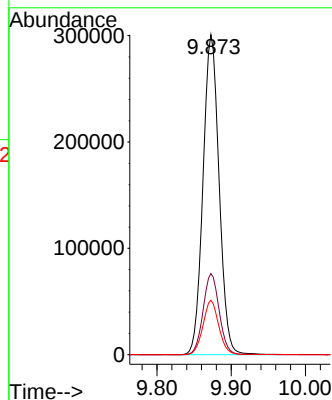
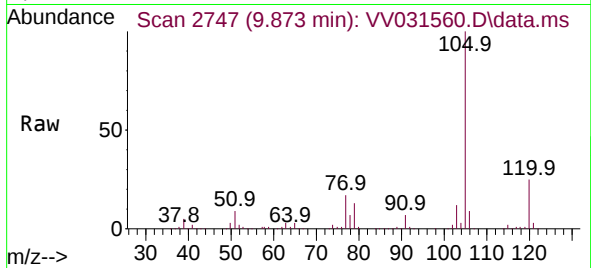




#60
Isopropylbenzene
Concen: 47.453 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

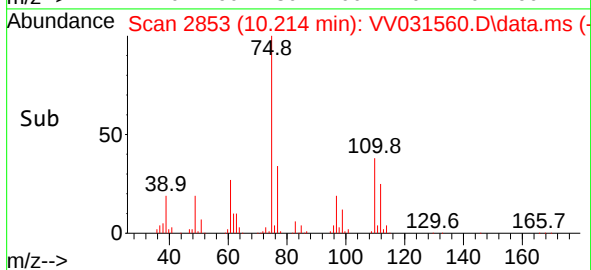
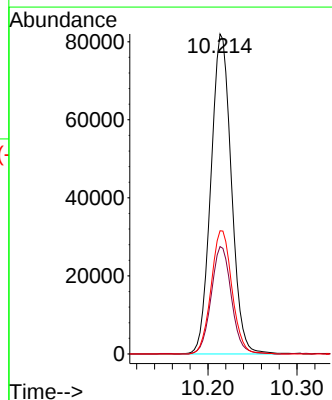
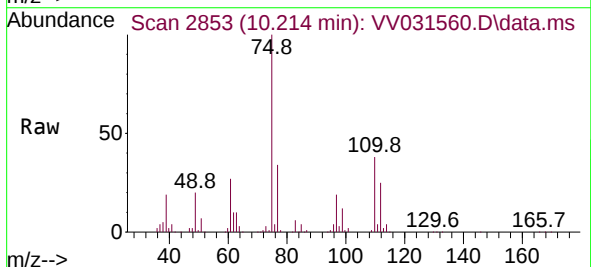
Instrument :
MSVOA_V
ClientSampleId :
EXYW5MSD

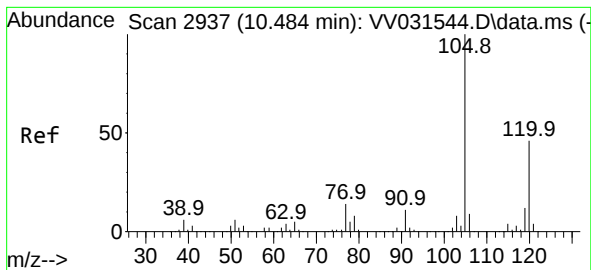
Tgt Ion:105 Resp: 452291
Ion Ratio Lower Upper
105 100
120 25.3 20.2 30.2
77 16.7 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 44.237 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

Tgt Ion: 75 Resp: 130630
Ion Ratio Lower Upper
75 100
77 33.2 25.4 38.0
110 39.3 31.3 46.9

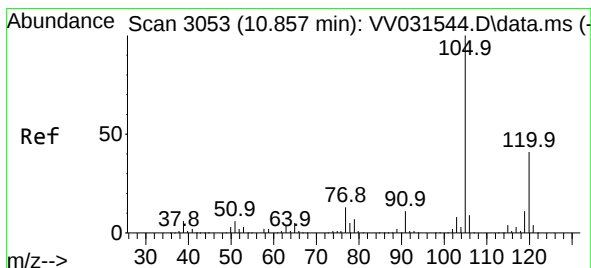
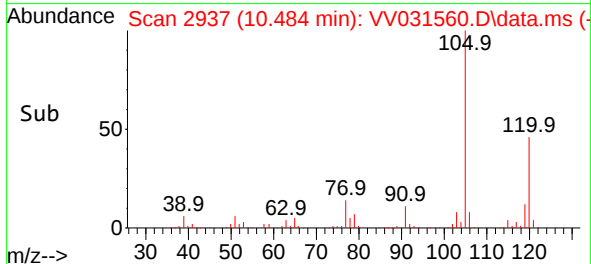
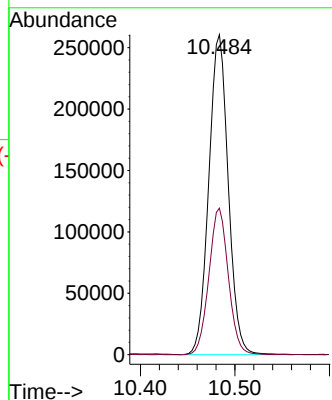
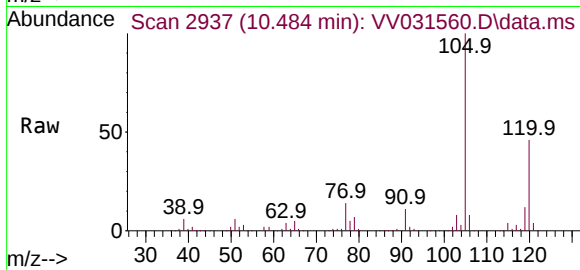




#62
1,3,5-Trimethylbenzene
Concen: 47.268 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

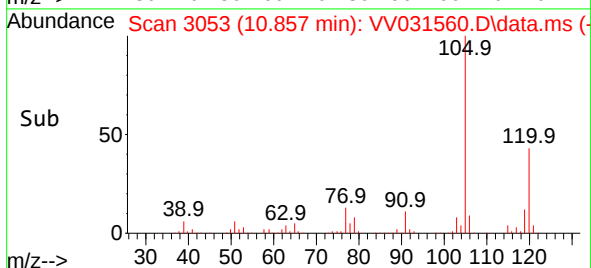
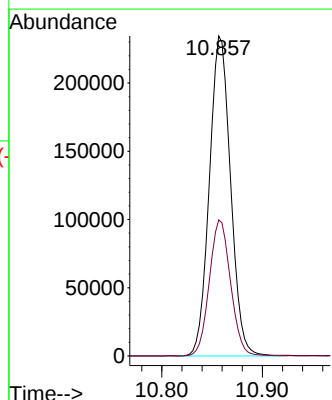
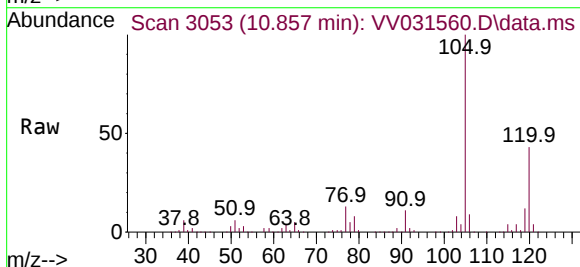
Instrument :
MSVOA_V
ClientSampleId :
EXYW5MSD

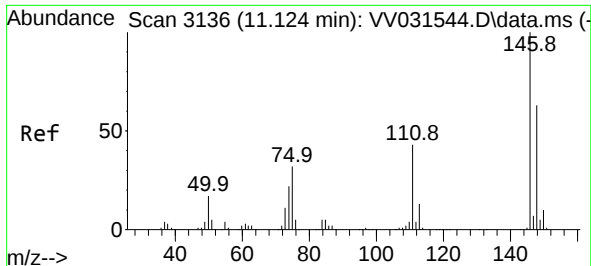
Tgt Ion:105 Resp: 372358
Ion Ratio Lower Upper
105 100
120 45.8 36.2 54.2



#63
1,2,4-Trimethylbenzene
Concen: 46.865 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

Tgt Ion:105 Resp: 343992
Ion Ratio Lower Upper
105 100
120 42.6 33.4 50.2

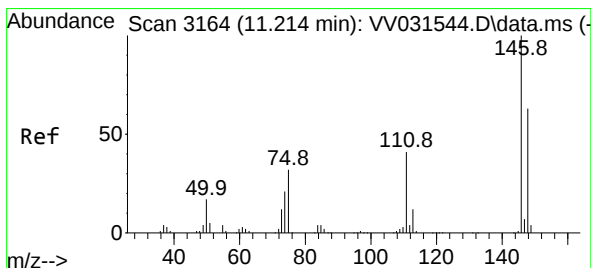
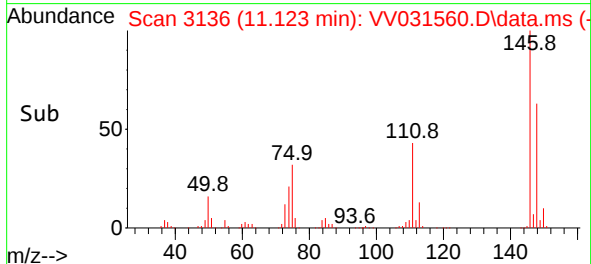
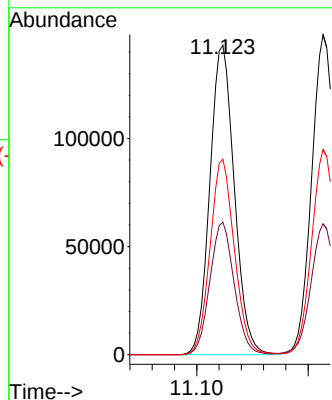
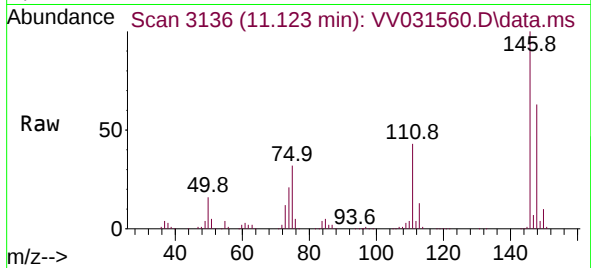




#64
1,3-Dichlorobenzene
Concen: 45.831 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

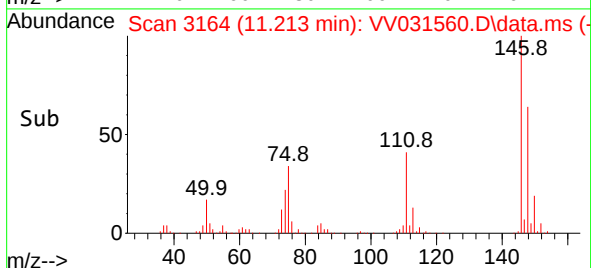
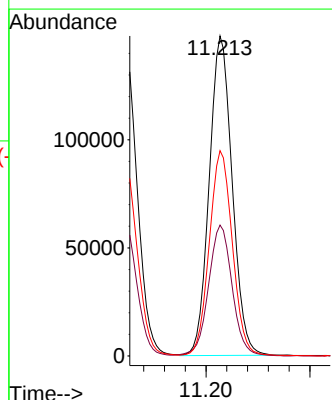
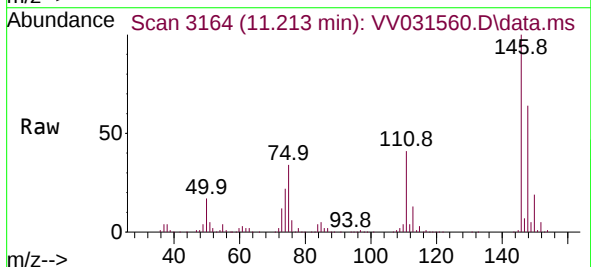
Instrument :
MSVOA_V
ClientSampleId :
EXYW5MSD

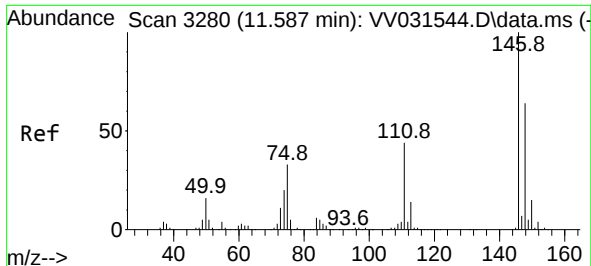
Tgt Ion:146 Resp: 219005
Ion Ratio Lower Upper
146 100
111 42.8 30.4 56.5
148 63.1 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 44.478 ug/L
RT: 11.213 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV031560.D
Acq: 16 Jun 2023 03:43

Tgt Ion:146 Resp: 226488
Ion Ratio Lower Upper
146 100
111 40.9 27.9 51.7
148 64.1 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 45.692 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MSD

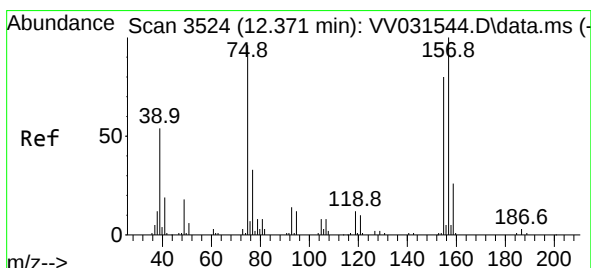
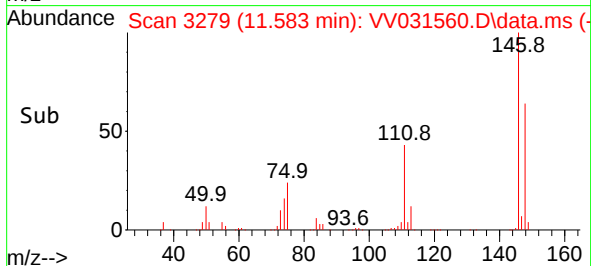
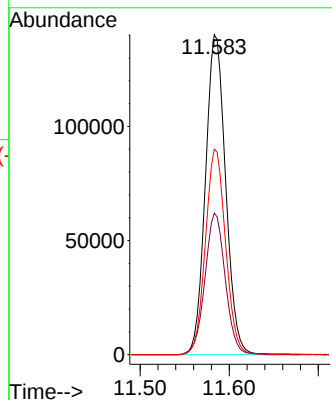
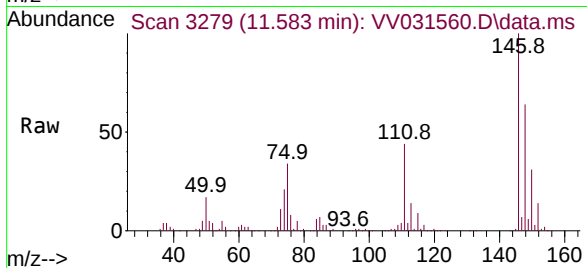
Tgt Ion:146 Resp: 220373

Ion Ratio Lower Upper

146 100

111 44.2 35.9 53.9

148 64.2 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 42.102 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

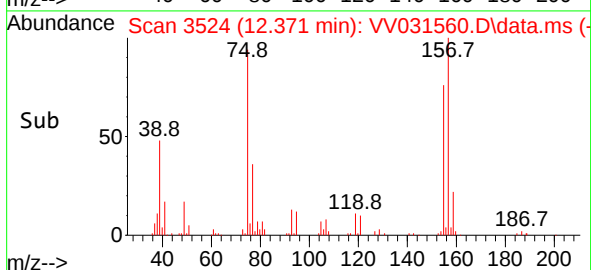
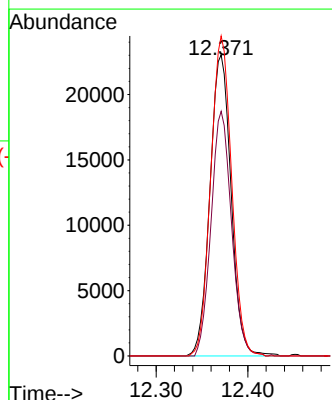
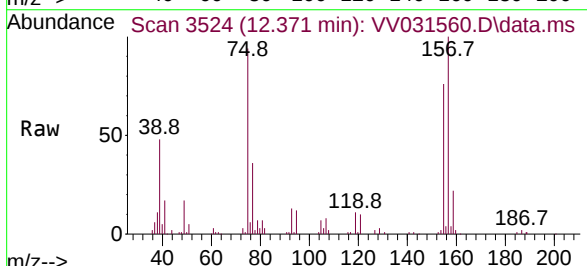
Tgt Ion: 75 Resp: 36900

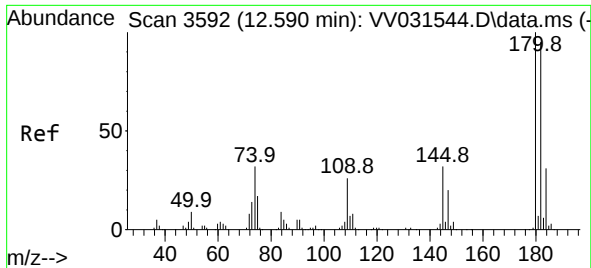
Ion Ratio Lower Upper

75 100

155 85.9 63.2 94.8

157 106.3 85.3 127.9





#69

1,3,5-Trichlorobenzene

Concen: 43.150 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.003 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MSD

Tgt Ion:180 Resp: 157115

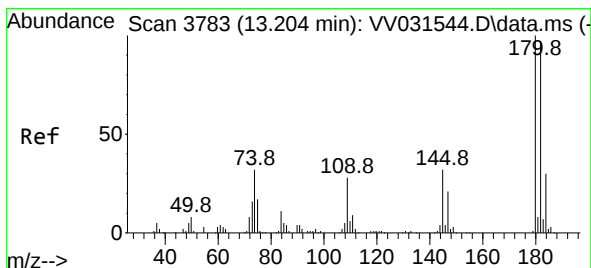
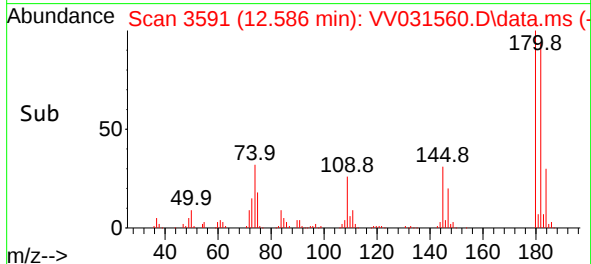
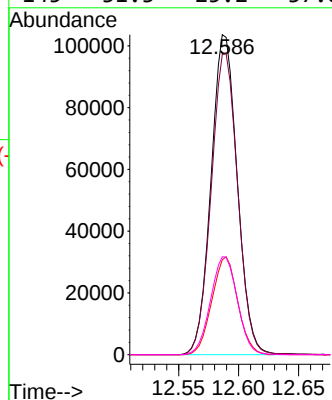
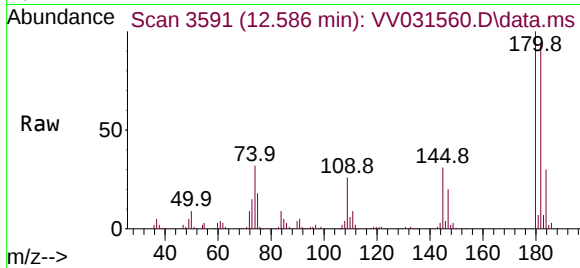
Ion Ratio Lower Upper

180 100

182 95.2 76.6 115.0

184 30.1 24.7 37.1

145 31.3 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 43.799 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

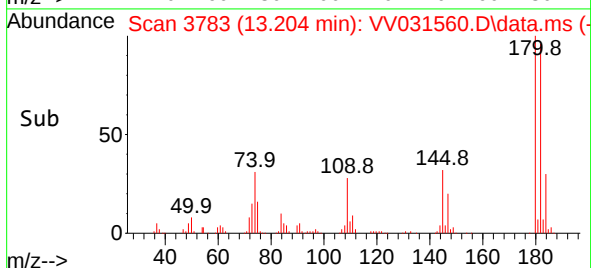
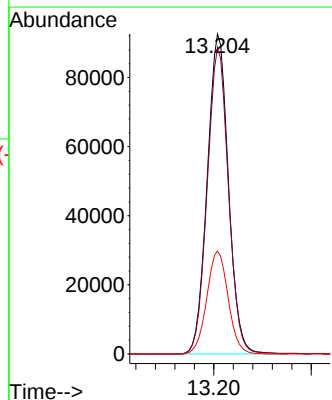
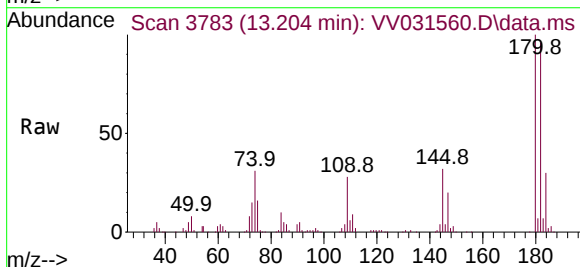
Tgt Ion:180 Resp: 139789

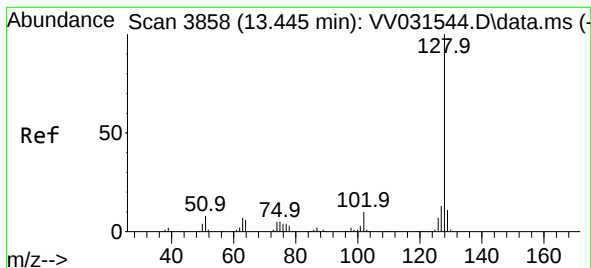
Ion Ratio Lower Upper

180 100

182 95.7 77.7 116.5

145 32.4 26.1 39.1





#71

Naphthalene

Concen: 46.469 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MSD

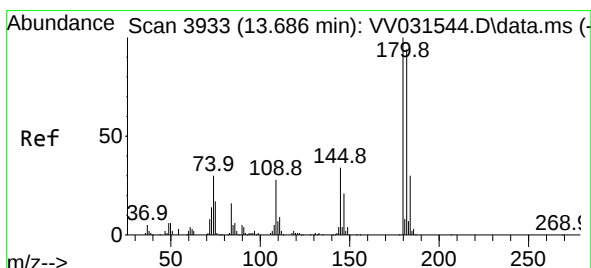
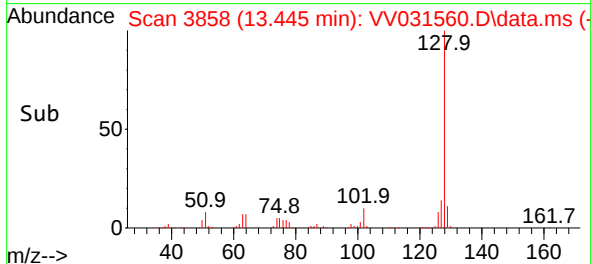
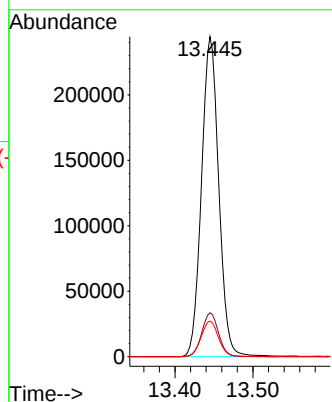
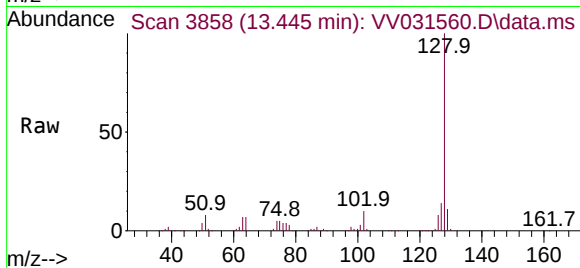
Tgt Ion:128 Resp: 375662

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 11.1 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 44.797 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031560.D

Acq: 16 Jun 2023 03:43

Tgt Ion:180 Resp: 148575

Ion Ratio Lower Upper

180 100

182 94.8 74.0 111.0

145 34.2 26.2 39.2

