

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092822\
 Data File : VV028172.D
 Acq On : 28 Sep 2022 20:28
 Operator : SY/MD
 Sample : N4730-06MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXFR8MSD

Quant Time: Sep 29 01:32:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 29 01:25:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	171397	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	172621	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	95052	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	50992	2.870	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.400%
7) Chloroethane-d5	1.564	69	49371	3.495	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.800%
11) 1,1-Dichloroethene-d2	2.105	63	94085	3.053	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.000%
20) 2-Butanone-d5	3.886	46	164807	54.938	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.880%
24) Chloroform-d	4.346	84	127908	4.511	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
26) 1,2-Dichloroethane-d4	5.030	65	60460	4.481	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	5.047	84	224868	3.973	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.400%
36) 1,2-Dichloropropane-d6	6.069	67	73160	4.146	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.313	98	197945	3.864	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.200%
43) trans-1,3-Dichloroprop...	7.622	79	25102	3.938	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.800%
46) 2-Hexanone-d5	8.088	63	142455	53.549	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.100%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	62774	5.205	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	84154	4.514	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	55603	4.344	ug/L	91
3) Chloromethane	1.236	50	49553	2.923	ug/L	99
5) Vinyl chloride	1.307	62	58332	4.389	ug/L	99
6) Bromomethane	1.516	94	23509	2.716	ug/L	99
8) Chloroethane	1.580	64	54912	6.161	ug/L	88
9) Trichlorofluoromethane	1.748	101	98896	4.686	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	55909	4.597	ug/L	97
12) 1,1-Dichloroethene	2.114	96	50266	4.244	ug/L	75
13) Acetone	2.179	43	85414	36.965	ug/L	97
14) Carbon disulfide	2.288	76	103573	4.557	ug/L	100
15) Methyl Acetate	2.436	43	18341	4.089	ug/L #	88
16) Methylene chloride	2.503	84	61499	4.651	ug/L	88
17) Methyl tert-butyl Ether	2.767	73	129172	5.069	ug/L	96
18) trans-1,2-Dichloroethene	2.757	96	52232	5.037	ug/L	95
19) 1,1-Dichloroethane	3.185	63	110353	4.879	ug/L	98
21) 2-Butanone	3.973	43	126052	44.063	ug/L	92
22) cis-1,2-Dichloroethene	3.908	96	63498	4.667	ug/L	93
23) Bromochloromethane	4.246	128	28689	5.266	ug/L	85
25) Chloroform	4.371	83	121491	5.005	ug/L	99

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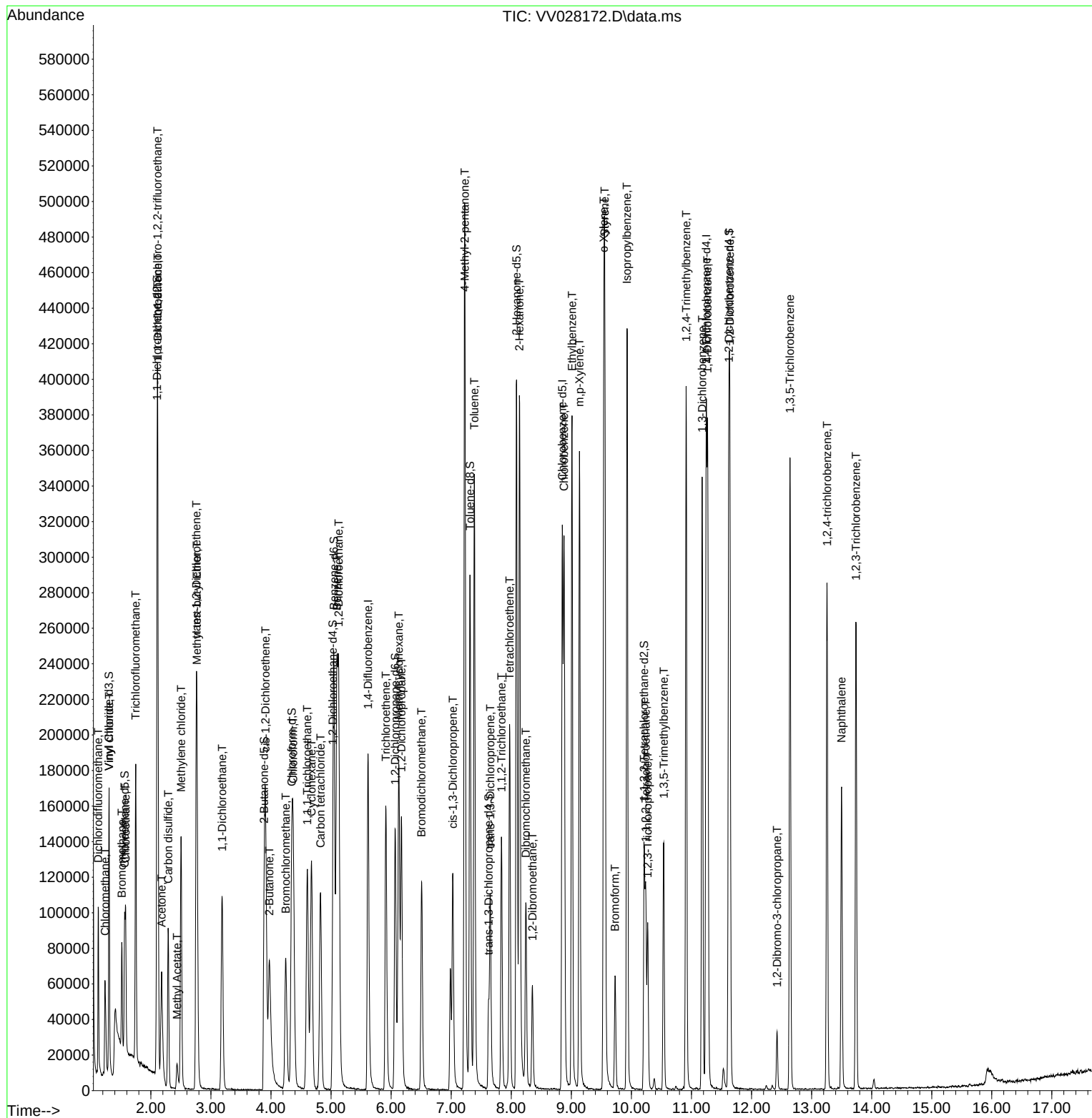
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	189526	14.644	ug/L #	93
29) 1,1,1-Trichloroethane	4.606	97	103048	4.858	ug/L	98
30) Cyclohexane	4.674	56	66318	4.323	ug/L	93
31) Carbon tetrachloride	4.825	117	85698	4.910	ug/L	98
33) Benzene	5.098	78	236736	4.939	ug/L	100
34) Trichloroethene	5.911	95	57438	4.814	ug/L	90
35) Methylcyclohexane	6.127	83	74374	4.545	ug/L	96
37) 1,2-Dichloropropane	6.172	63	60930	4.534	ug/L	100
38) Bromodichloromethane	6.506	83	83446	5.030	ug/L	95
39) cis-1,3-Dichloropropene	7.027	75	79149	4.742	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	321918	49.331	ug/L	97
42) Toluene	7.384	91	256019	5.120	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	67765	4.720	ug/L	94
45) 1,1,2-Trichloroethane	7.837	97	45518	5.053	ug/L	98
47) Tetrachloroethene	7.972	164	48687	5.112	ug/L	98
48) 2-Hexanone	8.136	43	236542	47.748	ug/L	97
49) Dibromochloromethane	8.243	129	53913	4.978	ug/L	98
50) 1,2-Dibromoethane	8.352	107	40474	5.170	ug/L	93
51) Chlorobenzene	8.879	112	173386	5.170	ug/L	100
52) Ethylbenzene	9.011	91	263102	4.974	ug/L	98
53) m,p-Xylene	9.136	106	103153	5.088	ug/L	99
54) o-Xylene	9.542	106	104317	5.211	ug/L	95
55) Styrene	9.558	104	183701	5.296	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	54066	5.151	ug/L	97
59) Bromoform	9.728	173	30646	5.078	ug/L	96
60) Isopropylbenzene	9.927	105	278144	4.985	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	38452	4.823	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	73707	4.690	ug/L	98
63) 1,2,4-Trimethylbenzene	10.911	105	213063	4.850	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	146348	5.271	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	146146	5.261	ug/L	96
67) 1,2-Dichlorobenzene	11.638	146	137919	5.259	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	8319	4.761	ug/L	95
69) 1,3,5-Trichlorobenzene	12.641	180	114788	5.224	ug/L	99
70) 1,2,4-trichlorobenzene	13.258	180	92067	5.239	ug/L	100
71) Naphthalene	13.500	128	140262	4.874	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	85604	5.385	ug/L	97

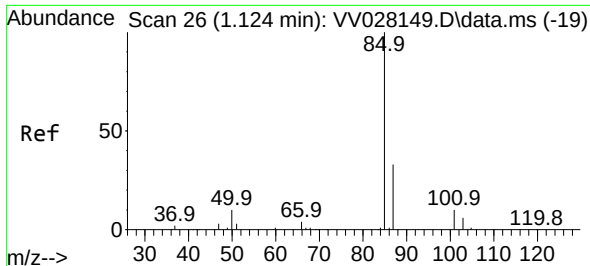
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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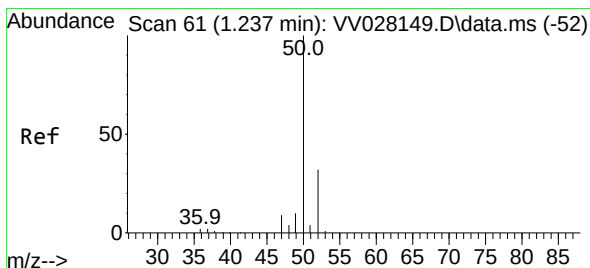
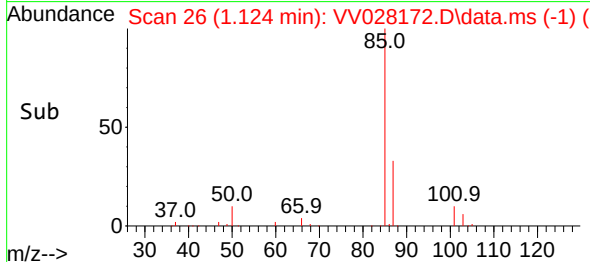
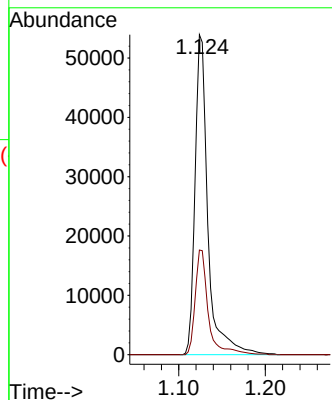
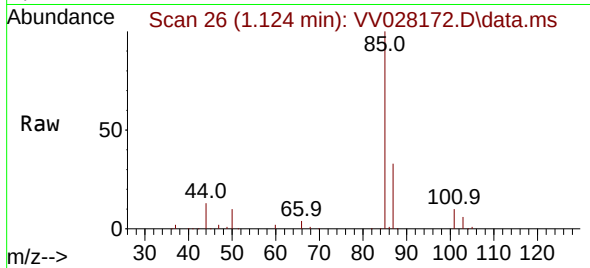




#2
 Dichlorodifluoromethane
 Concen: 4.344 ug/L
 RT: 1.124 min Scan# 26
 Delta R.T. -0.000 min
 Lab File: VV028172.D
 Acq: 28 Sep 2022 20:28

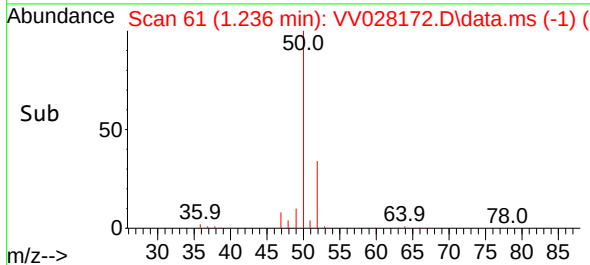
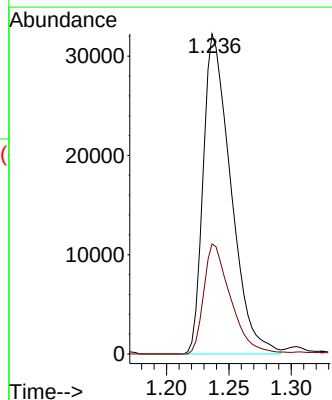
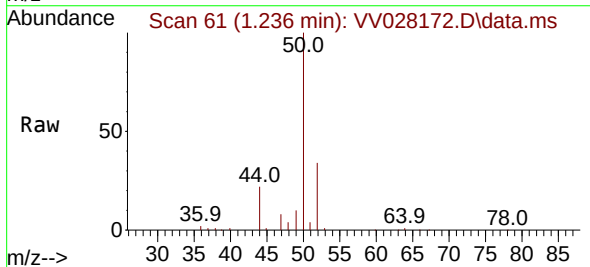
Instrument :
 MSVOA_V
 ClientSampleId :
 EXFR8MSD

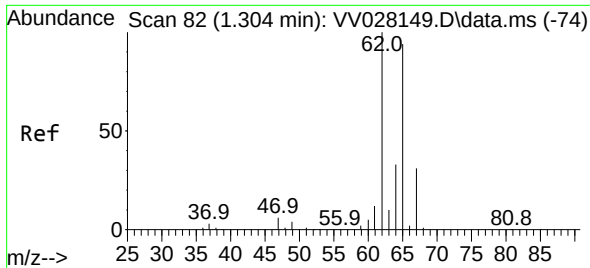
Tgt Ion: 85 Resp: 55603
 Ion Ratio Lower Upper
 85 100
 87 33.3 22.8 34.2



#3
 Chloromethane
 Concen: 2.923 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VV028172.D
 Acq: 28 Sep 2022 20:28

Tgt Ion: 50 Resp: 49553
 Ion Ratio Lower Upper
 50 100
 52 34.4 24.4 45.2

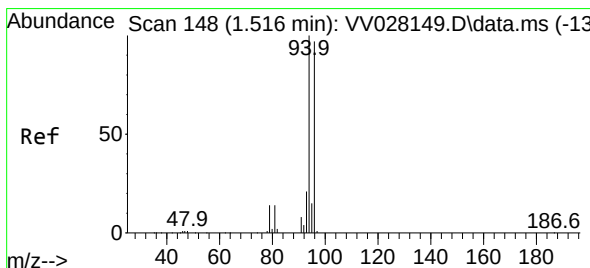
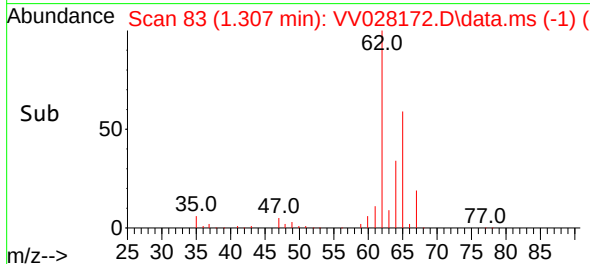
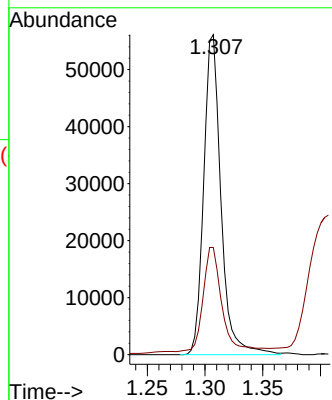
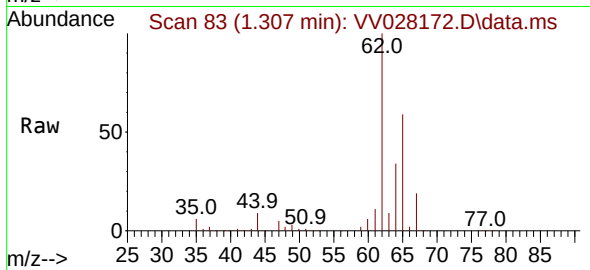




#5
 Vinyl chloride
 Concen: 4.389 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VV028172.D
 Acq: 28 Sep 2022 20:28

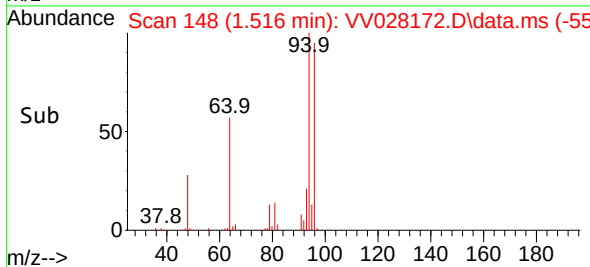
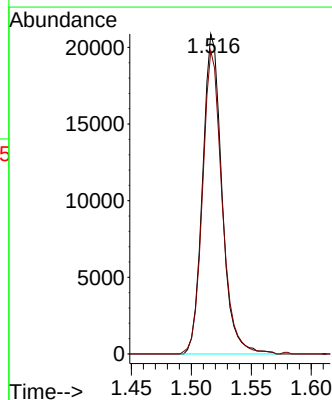
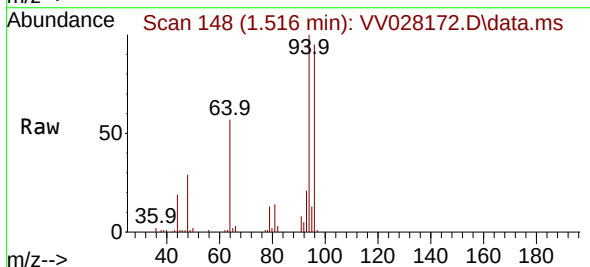
Instrument :
 MSVOA_V
 ClientSampleId :
 EXFR8MSD

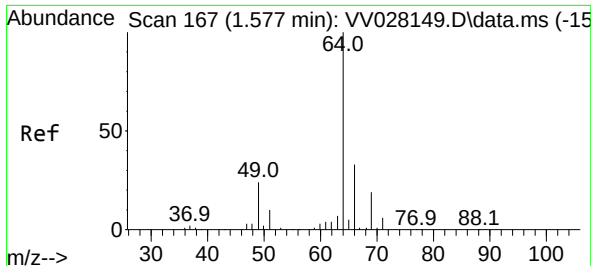
Tgt Ion: 62 Resp: 58332
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.0 42.8



#6
 Bromomethane
 Concen: 2.716 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VV028172.D
 Acq: 28 Sep 2022 20:28

Tgt Ion: 94 Resp: 23509
 Ion Ratio Lower Upper
 94 100
 96 94.8 66.7 123.9

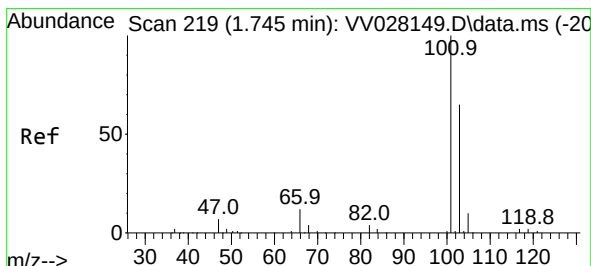
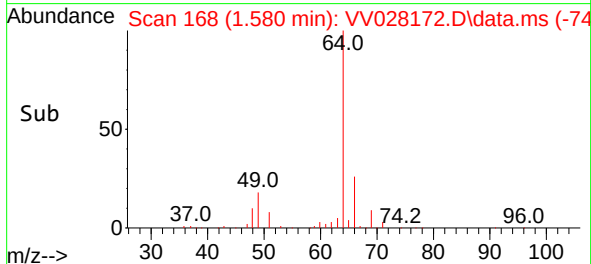
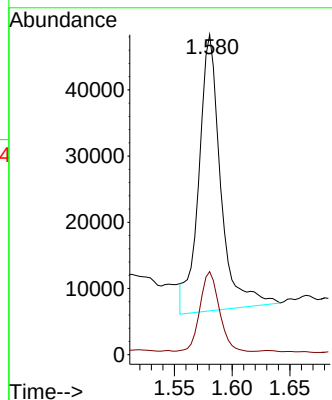
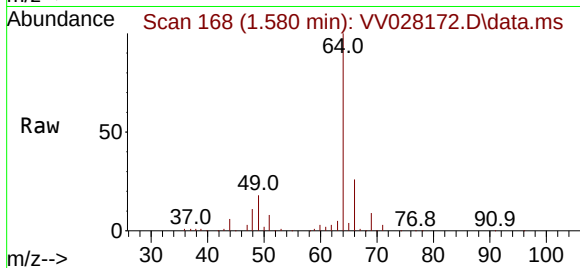




#8
Chloroethane
Concen: 6.161 ug/L
RT: 1.580 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

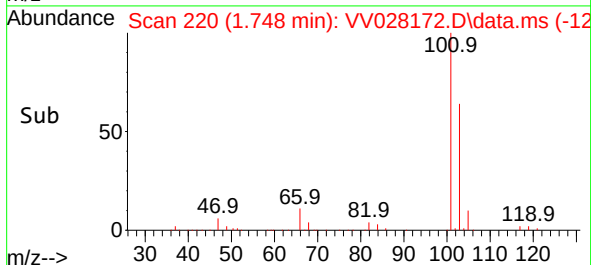
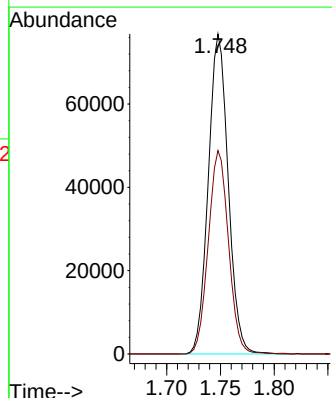
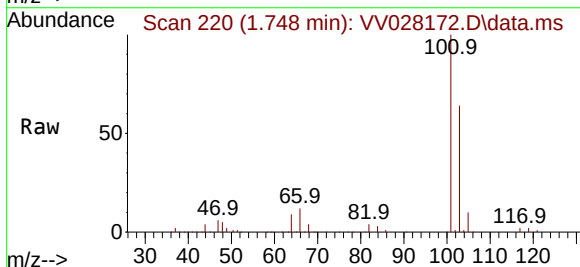
Instrument :
MSVOA_V
ClientSampleId :
EXFR8MSD

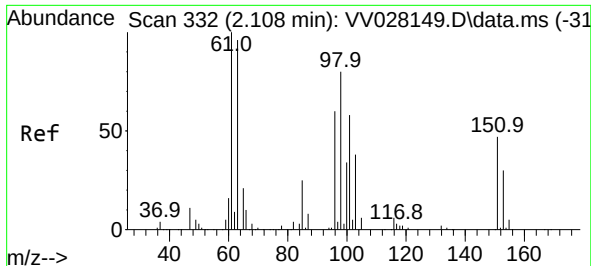
Tgt Ion: 64 Resp: 54912
Ion Ratio Lower Upper
64 100
66 26.0 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.686 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.003 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

Tgt Ion: 101 Resp: 98896
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.0





#10

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

Concen: 4.597 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.003 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

EXFR8MSD

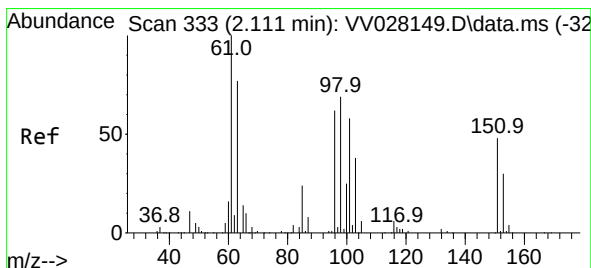
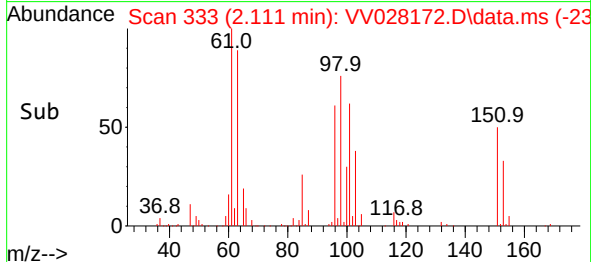
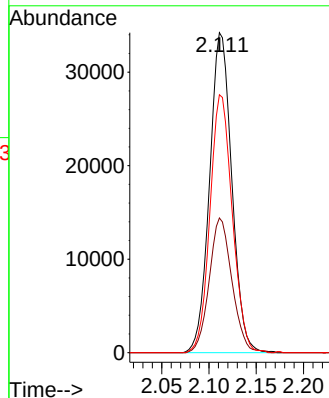
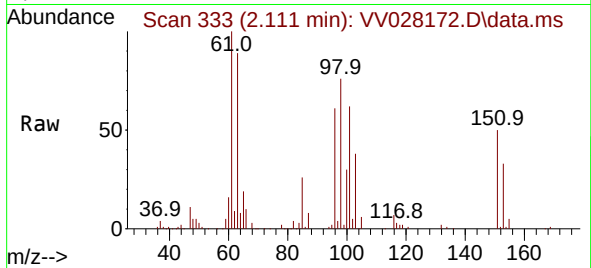
Tgt Ion:101 Resp: 55909

Ion Ratio Lower Upper

101 100

85 43.1 34.4 51.6

151 81.0 61.1 91.7



#12

1,1-Dichloroethene

Concen: 4.244 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.003 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

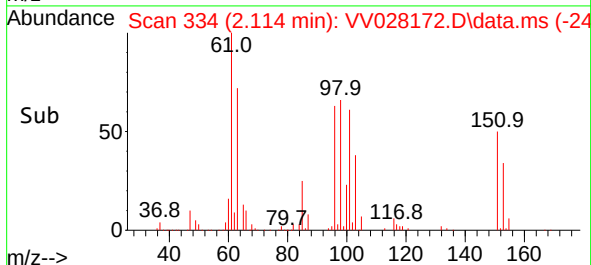
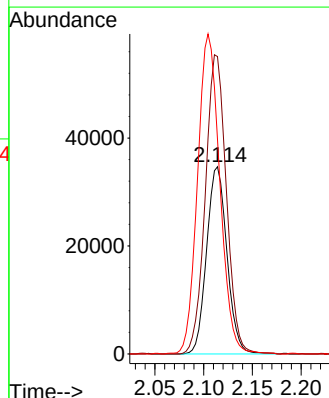
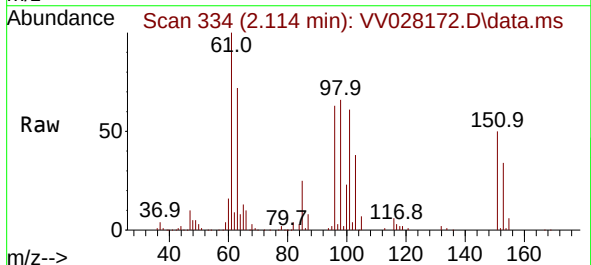
Tgt Ion: 96 Resp: 50266

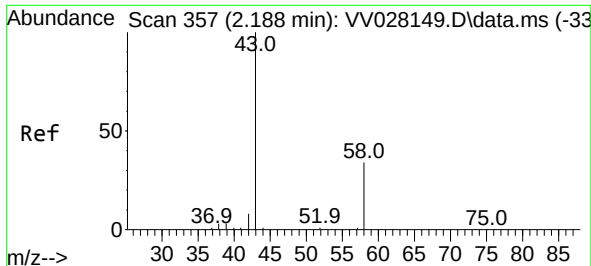
Ion Ratio Lower Upper

96 100

61 158.9 128.3 238.3

63 114.8 112.7 209.3





#13

Acetone

Concen: 36.965 ug/L

RT: 2.179 min Scan# 3

Delta R.T. -0.010 min

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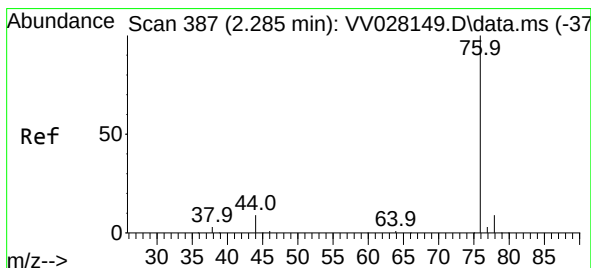
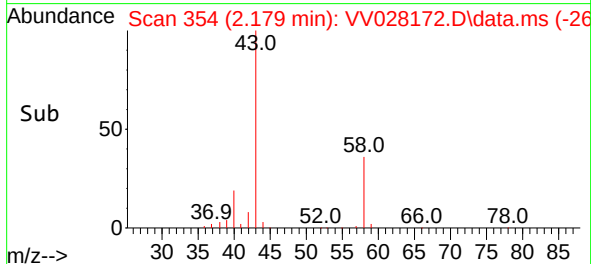
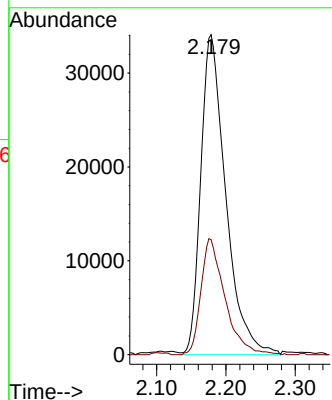
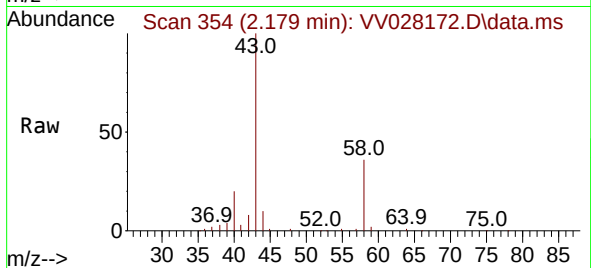
EXFR8MSD

Tgt Ion: 43 Resp: 85414

Ion Ratio Lower Upper

43 100

58 34.7 0.0 65.6



#14

Carbon disulfide

Concen: 4.557 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.003 min

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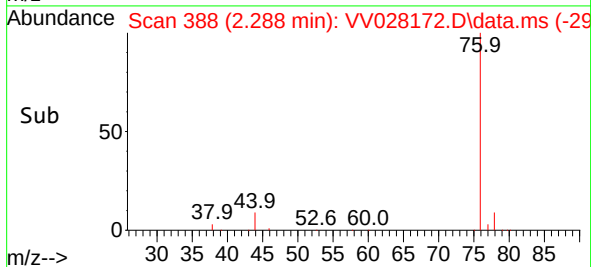
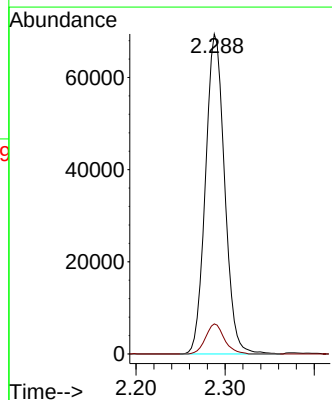
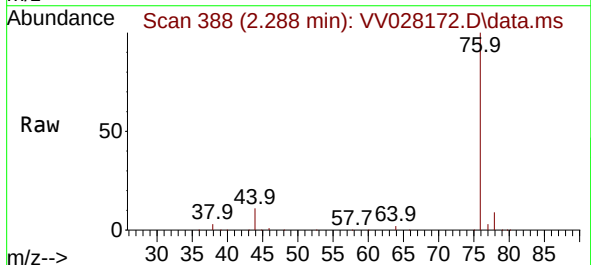
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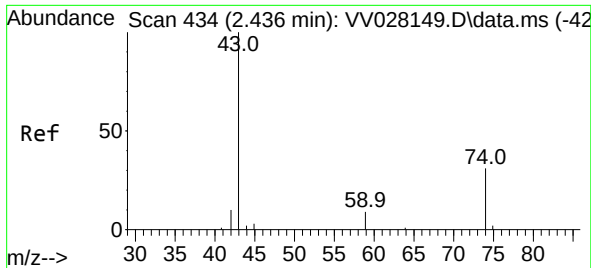
Tgt Ion: 76 Resp: 103573

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4

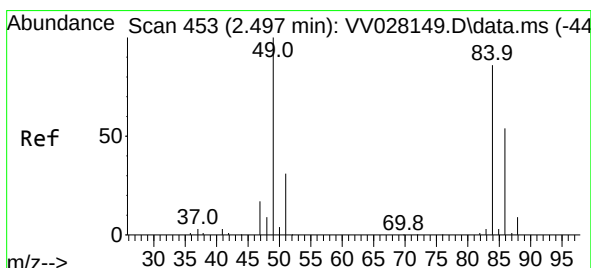
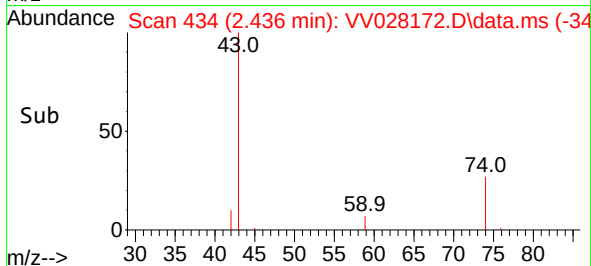
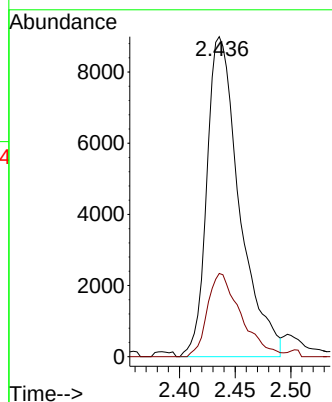
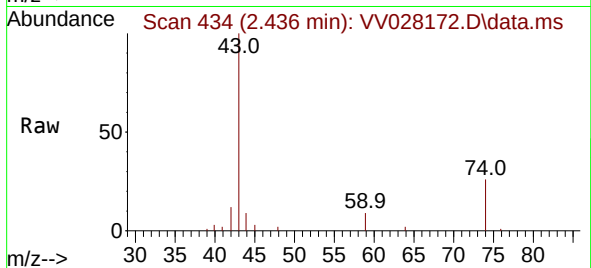




#15
Methyl Acetate
Concen: 4.089 ug/L
RT: 2.436 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

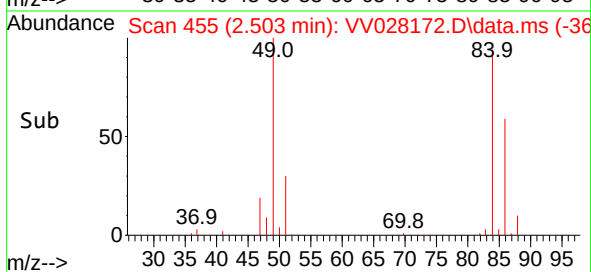
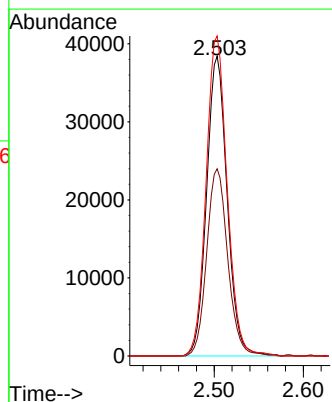
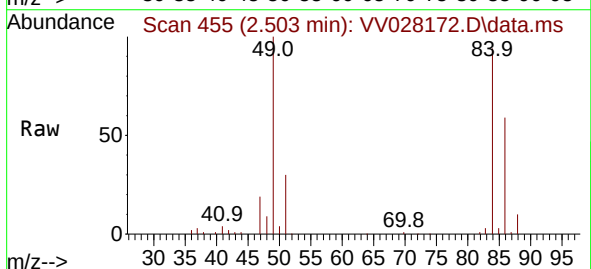
Instrument :
MSVOA_V
ClientSampleId :
EXFR8MSD

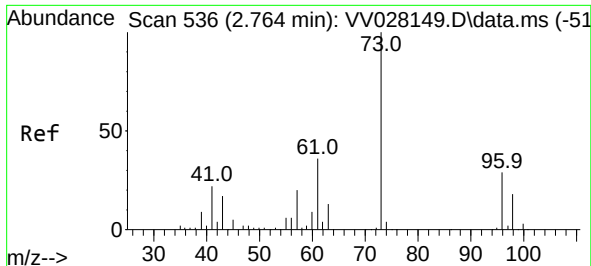
Tgt Ion: 43 Resp: 18341
Ion Ratio Lower Upper
43 100
74 26.7 16.9 25.3#



#16
Methylene chloride
Concen: 4.651 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.006 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

Tgt Ion: 84 Resp: 61499
Ion Ratio Lower Upper
84 100
86 62.4 46.8 86.8
49 106.7 87.5 162.5

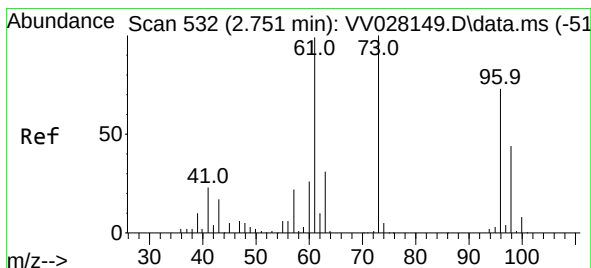
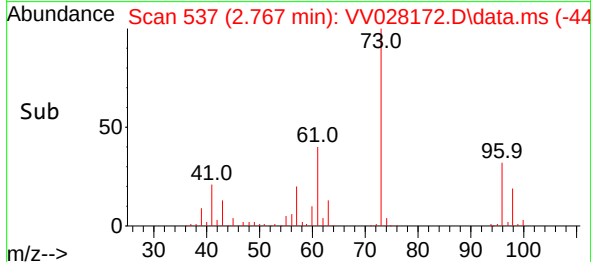
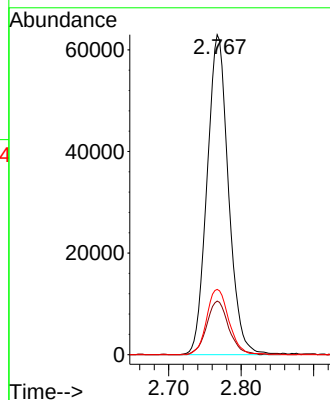
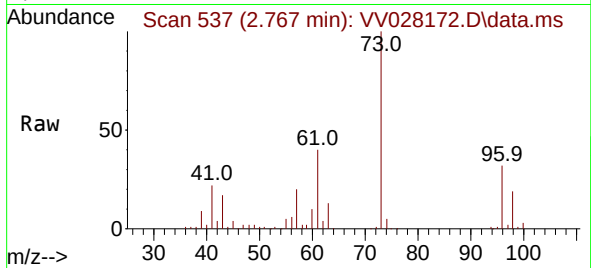




#17
Methyl tert-butyl Ether
Concen: 5.069 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

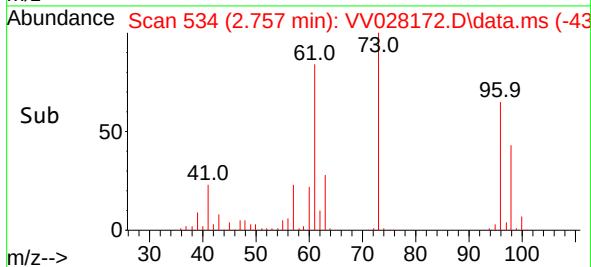
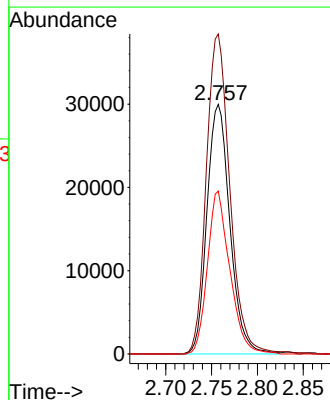
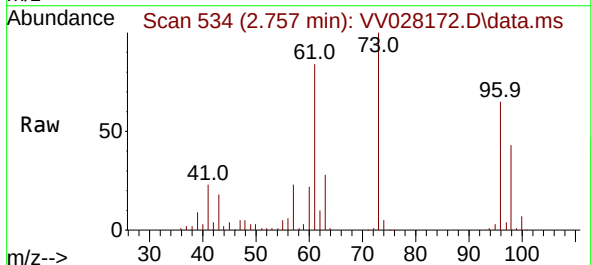
Instrument :
MSVOA_V
ClientSampleId :
EXFR8MSD

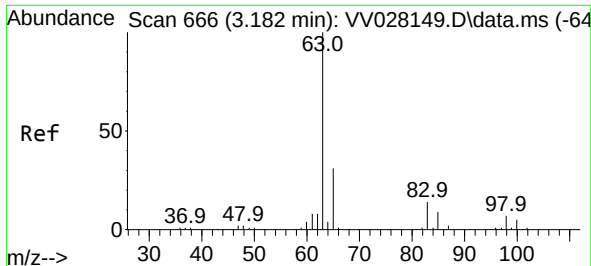
Tgt Ion: 73 Resp: 129172
Ion Ratio Lower Upper
73 100
43 17.3 15.7 23.5
57 21.2 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.037 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.006 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

Tgt Ion: 96 Resp: 52232
Ion Ratio Lower Upper
96 100
61 128.2 96.2 178.6
98 65.3 45.7 84.9





#19

1,1-Dichloroethane

Concen: 4.879 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

EXFR8MSD

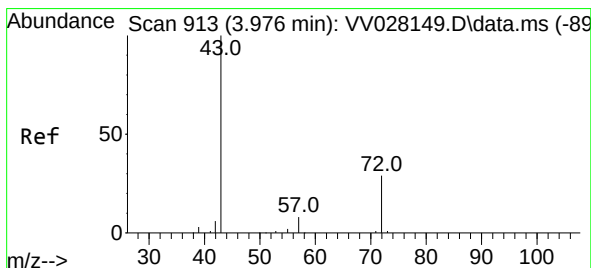
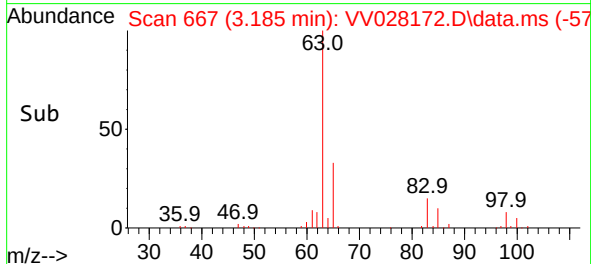
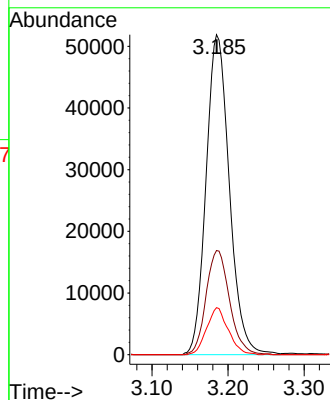
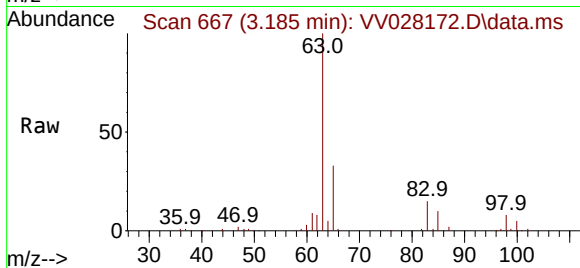
Tgt Ion: 63 Resp: 110353

Ion Ratio Lower Upper

63 100

65 32.6 23.0 42.8

83 14.7 9.2 17.2



#21

2-Butanone

Concen: 44.063 ug/L

RT: 3.973 min Scan# 912

Delta R.T. -0.003 min

Lab File: VV028172.D

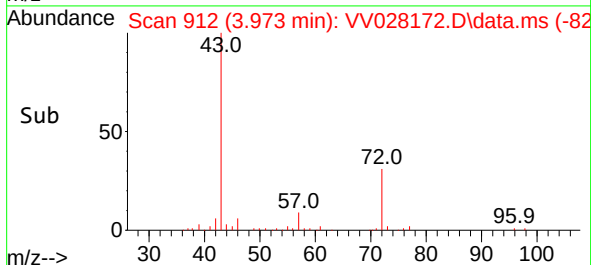
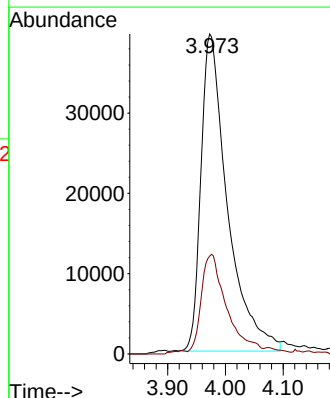
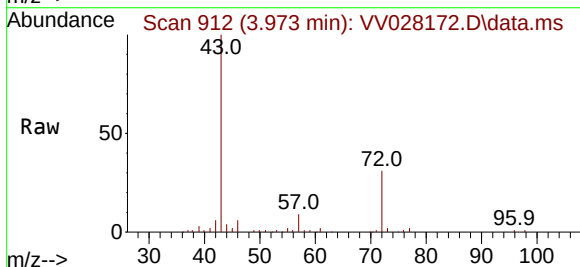
Acq: 28 Sep 2022 20:28

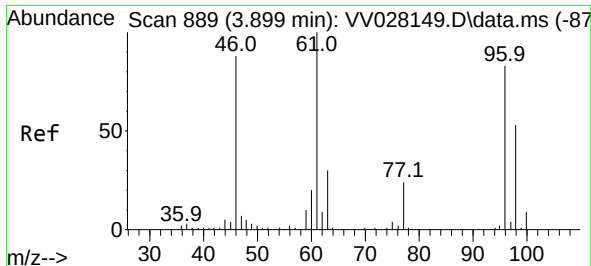
Tgt Ion: 43 Resp: 126052

Ion Ratio Lower Upper

43 100

72 29.7 12.7 38.1

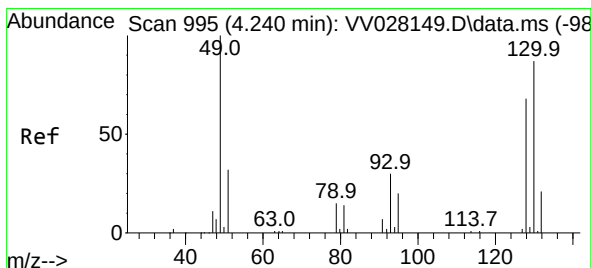
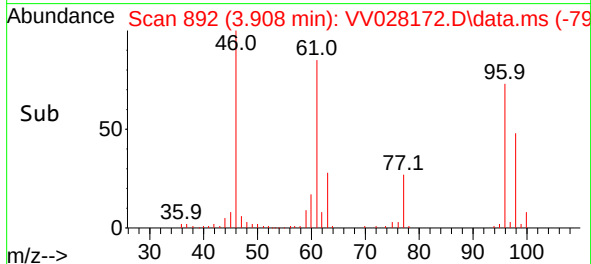
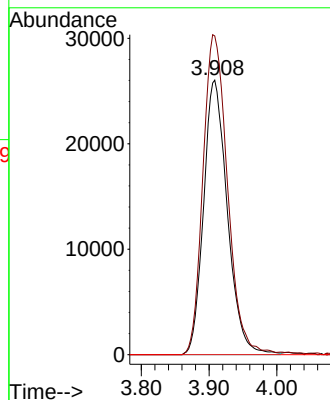
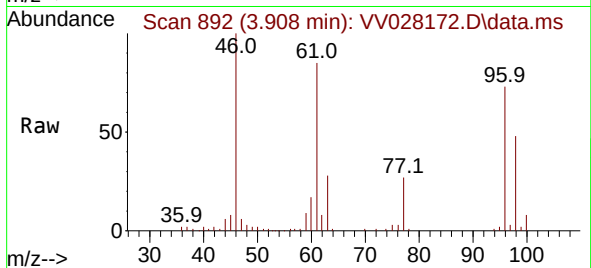




#22
 cis-1,2-Dichloroethene
 Concen: 4.667 ug/L
 RT: 3.908 min Scan# 892
 Delta R.T. 0.010 min
 Lab File: VV028172.D
 Acq: 28 Sep 2022 20:28

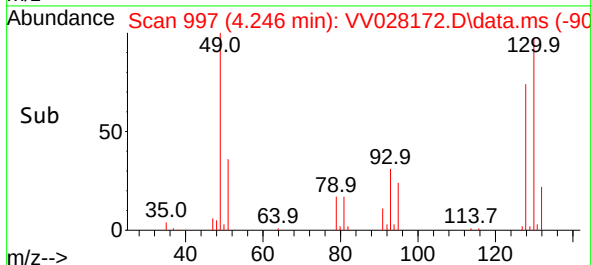
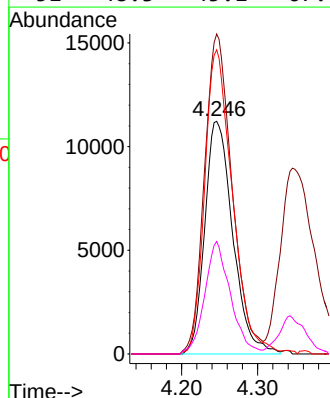
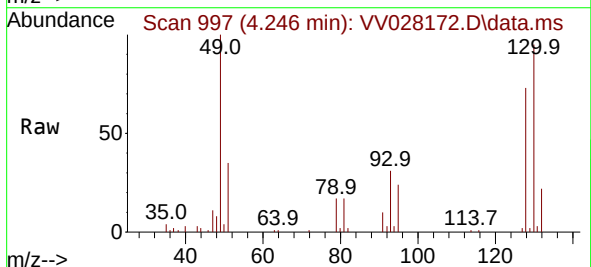
Instrument :
 MSVOA_V
 ClientSampleId :
 EXFR8MSD

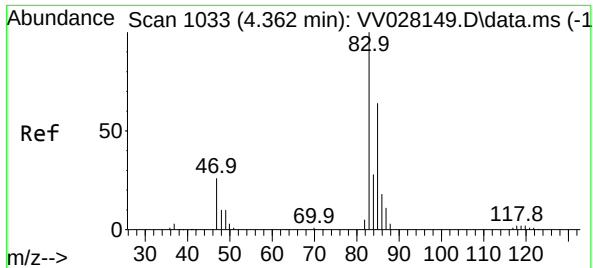
Tgt Ion: 96 Resp: 63498
 Ion Ratio Lower Upper
 96 100
 61 116.1 87.2 161.9
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.266 ug/L
 RT: 4.246 min Scan# 997
 Delta R.T. 0.006 min
 Lab File: VV028172.D
 Acq: 28 Sep 2022 20:28

Tgt Ion: 128 Resp: 28689
 Ion Ratio Lower Upper
 128 100
 49 137.5 119.9 222.7
 130 130.7 94.6 175.8
 51 48.3 45.1 67.7

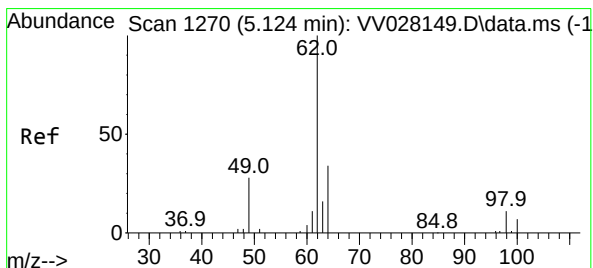
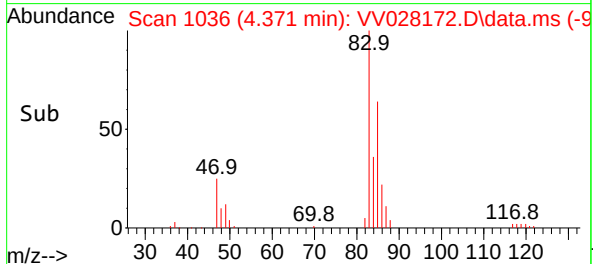
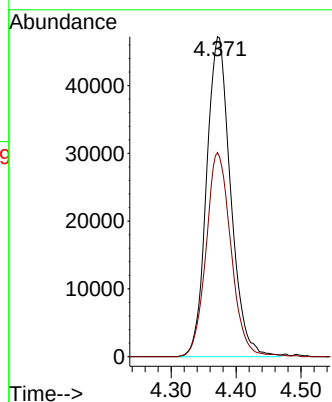
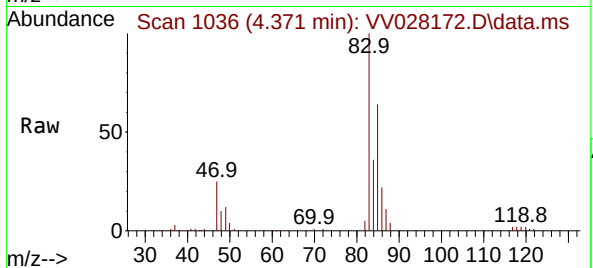




#25
Chloroform
Concen: 5.005 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. 0.010 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

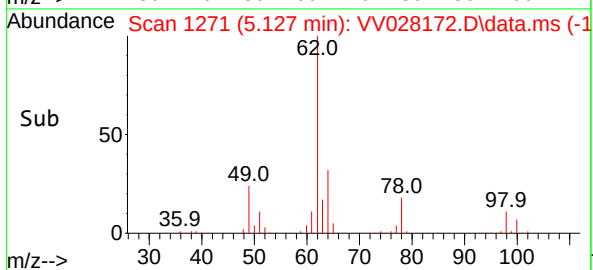
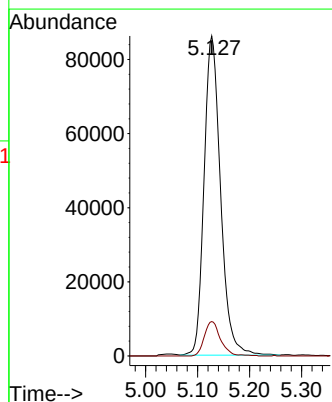
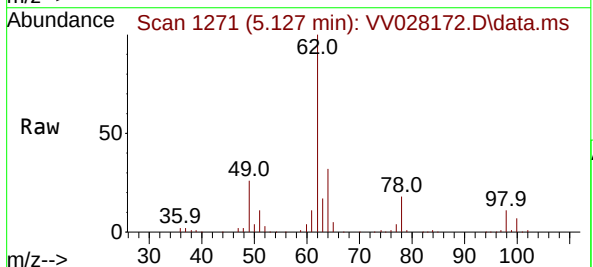
Instrument :
MSVOA_V
ClientSampleId :
EXFR8MSD

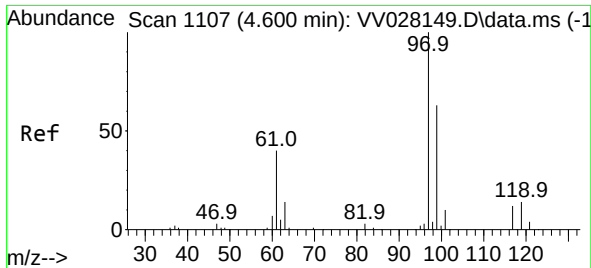
Tgt Ion: 83 Resp: 121491
Ion Ratio Lower Upper
83 100
85 63.8 45.1 83.7



#27
1,2-Dichloroethane
Concen: 14.644 ug/L
RT: 5.127 min Scan# 1271
Delta R.T. 0.003 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

Tgt Ion: 62 Resp: 189526
Ion Ratio Lower Upper
62 100
98 10.7 6.7 10.1#





#29

1,1,1-Trichloroethane

Concen: 4.858 ug/L

RT: 4.606 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

EXFR8MSD

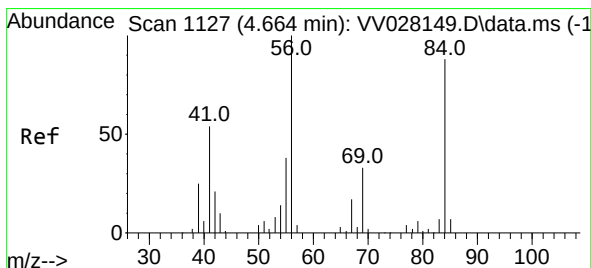
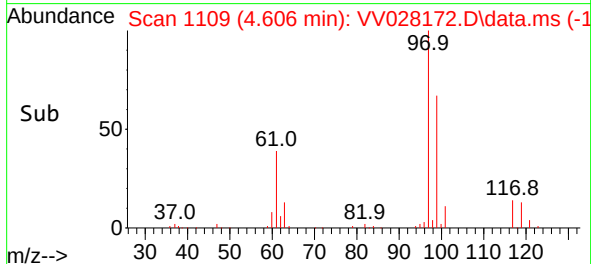
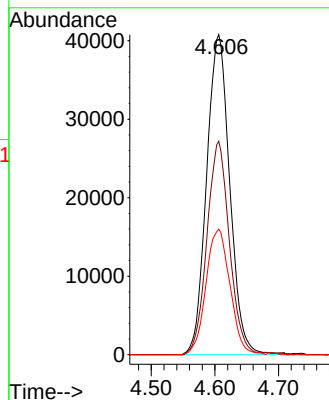
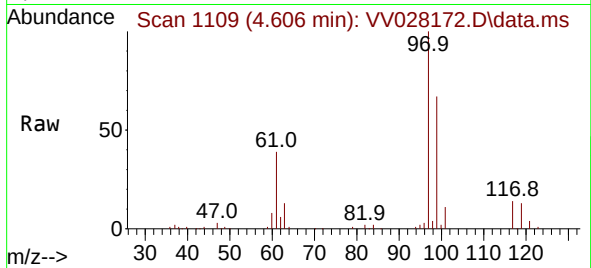
Tgt Ion: 97 Resp: 103048

Ion Ratio Lower Upper

97 100

99 65.2 51.9 77.9

61 40.7 34.8 52.2



#30

Cyclohexane

Concen: 4.323 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.010 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

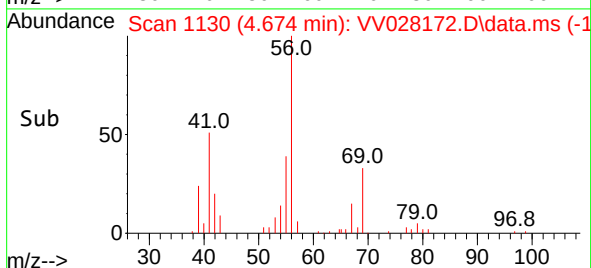
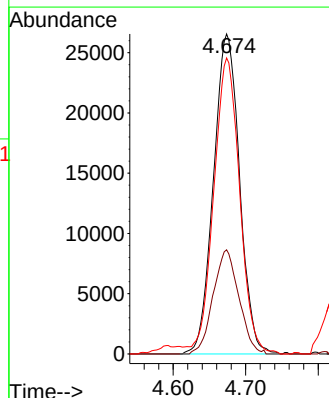
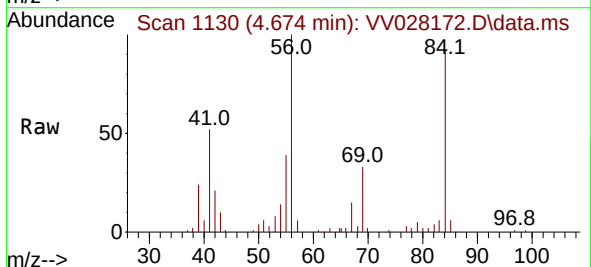
Tgt Ion: 56 Resp: 66318

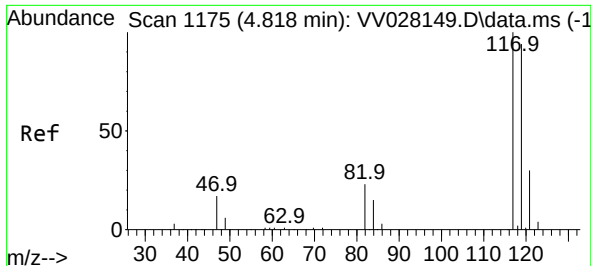
Ion Ratio Lower Upper

56 100

69 32.1 23.7 35.5

84 91.8 67.3 100.9

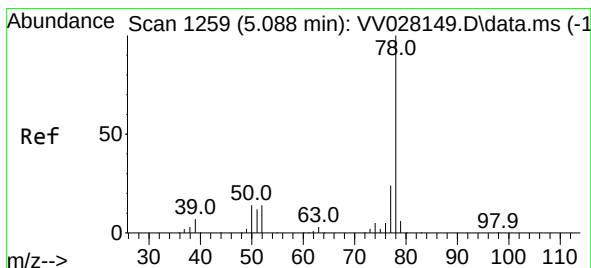
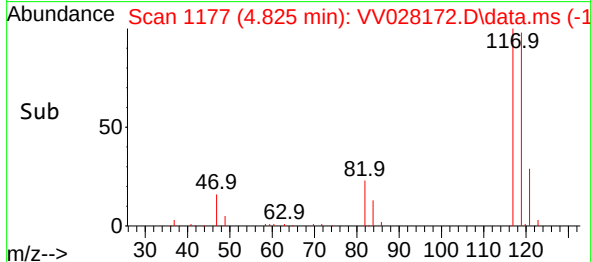
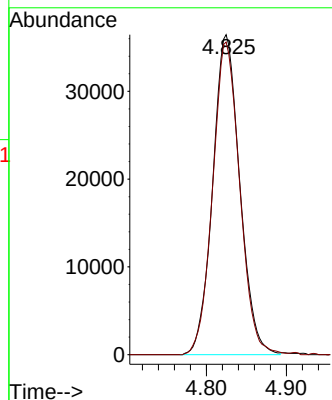
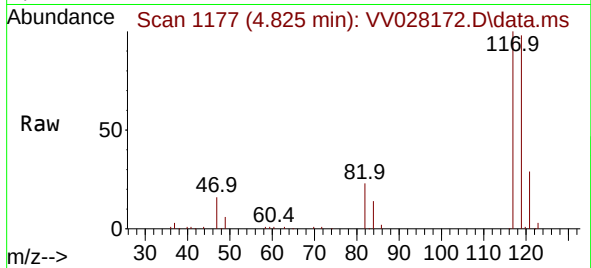




#31
Carbon tetrachloride
Concen: 4.910 ug/L
RT: 4.825 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

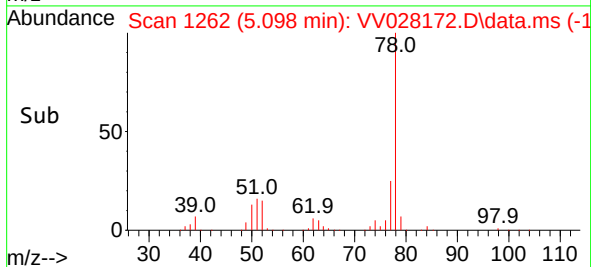
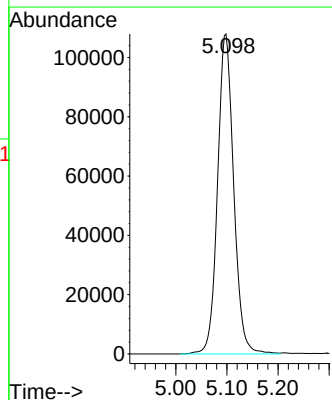
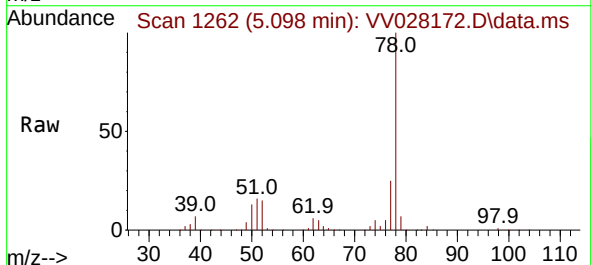
Instrument :
MSVOA_V
ClientSampleId :
EXFR8MSD

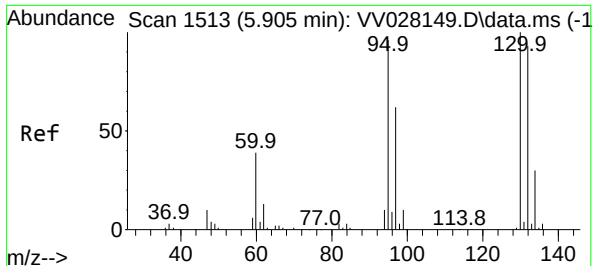
Tgt Ion:117 Resp: 85698
Ion Ratio Lower Upper
117 100
119 97.6 76.9 115.3



#33
Benzene
Concen: 4.939 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.010 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

Tgt Ion: 78 Resp: 236736



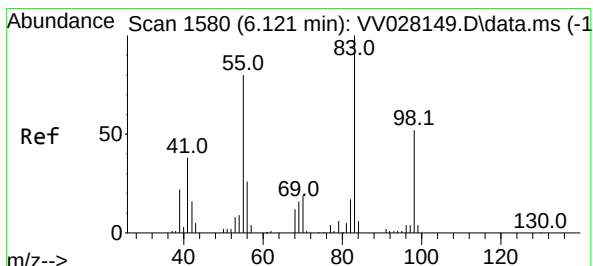
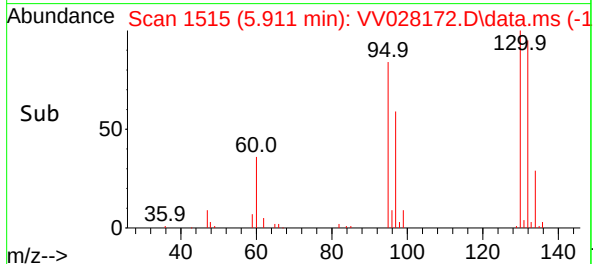
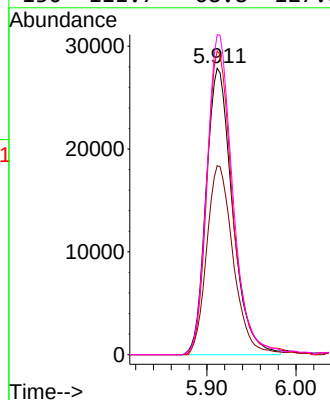
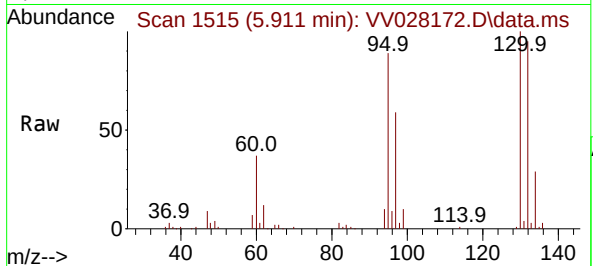


#34
 Trichloroethene
 Concen: 4.814 ug/L
 RT: 5.911 min Scan# 1515
 Delta R.T. 0.006 min
 Lab File: VV028172.D
 Acq: 28 Sep 2022 20:28

Instrument :
 MSVOA_V
 ClientSampleId :
 EXFR8MSD

Tgt Ion: 95 Resp: 57438

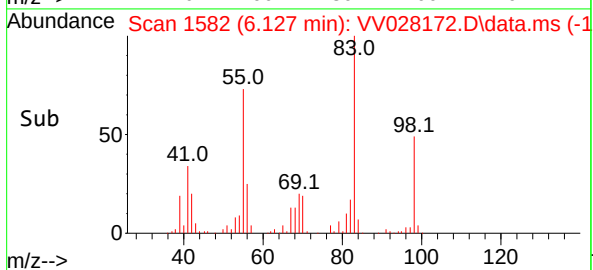
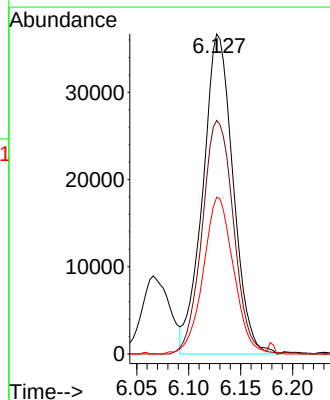
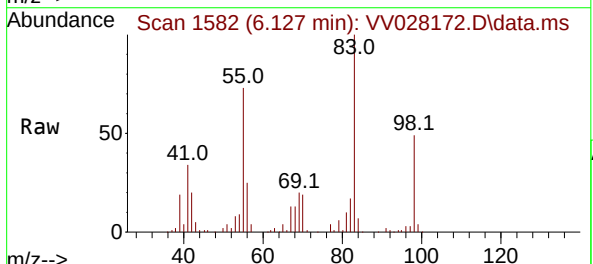
Ion	Ratio	Lower	Upper
95	100		
97	66.0	44.2	82.0
132	106.1	67.8	126.0
130	111.7	68.8	127.8

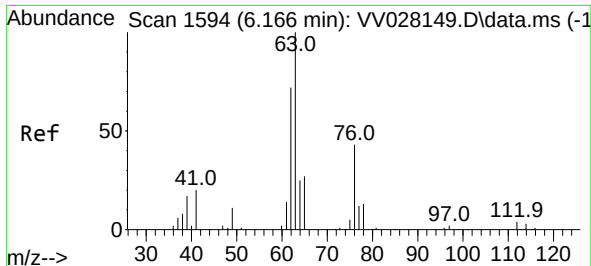


#35
 Methylcyclohexane
 Concen: 4.545 ug/L
 RT: 6.127 min Scan# 1582
 Delta R.T. 0.006 min
 Lab File: VV028172.D
 Acq: 28 Sep 2022 20:28

Tgt Ion: 83 Resp: 74374

Ion	Ratio	Lower	Upper
83	100		
55	75.8	64.7	97.1
98	49.0	39.5	59.3





#37

1,2-Dichloropropane

Concen: 4.534 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

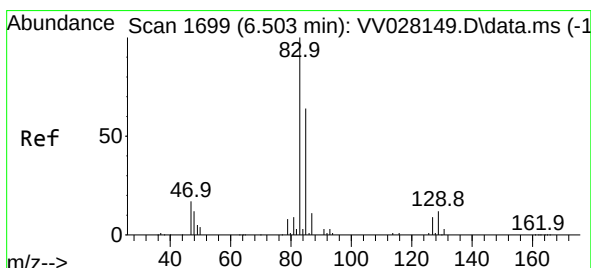
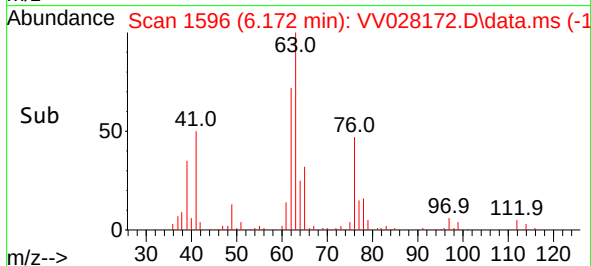
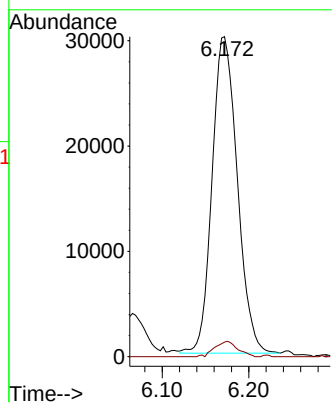
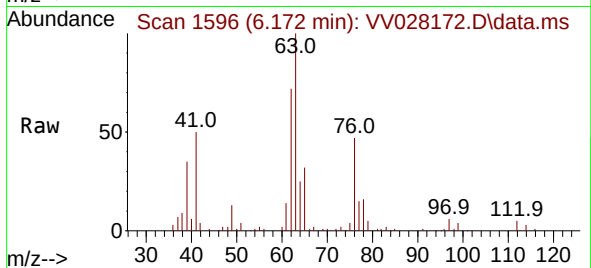
EXFR8MSD

Tgt Ion: 63 Resp: 60930

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 5.030 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.003 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

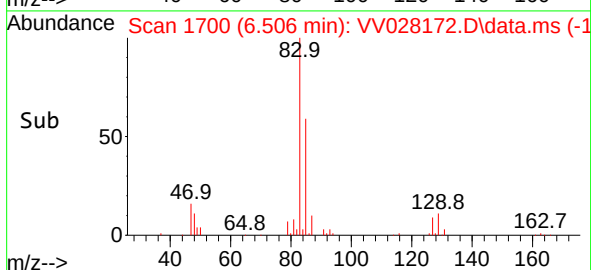
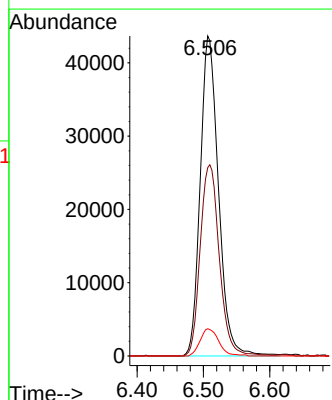
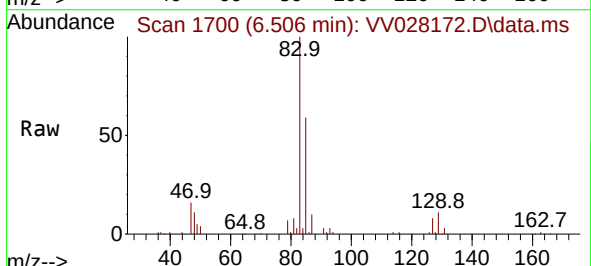
Tgt Ion: 83 Resp: 83446

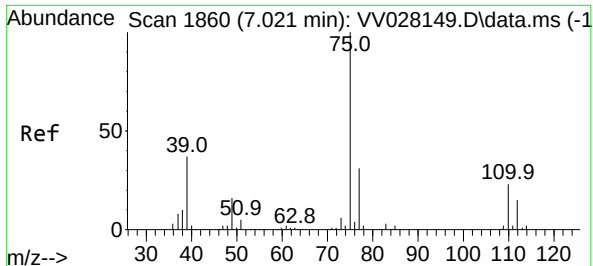
Ion Ratio Lower Upper

83 100

85 58.8 43.8 81.4

127 8.5 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.742 ug/L

RT: 7.027 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

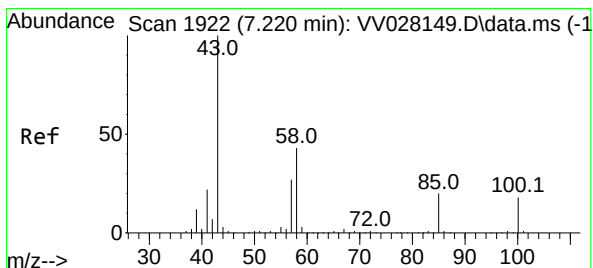
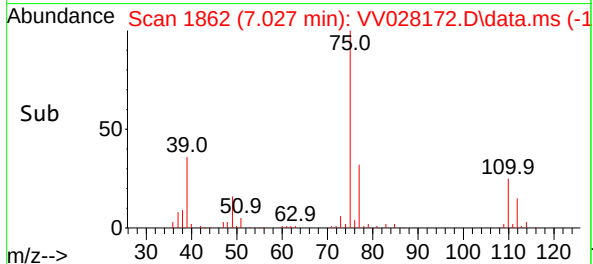
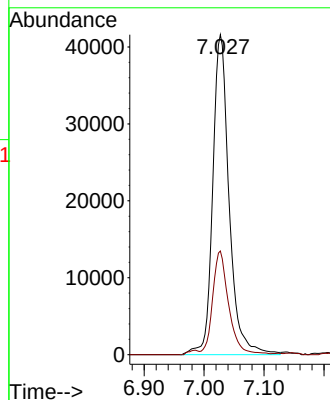
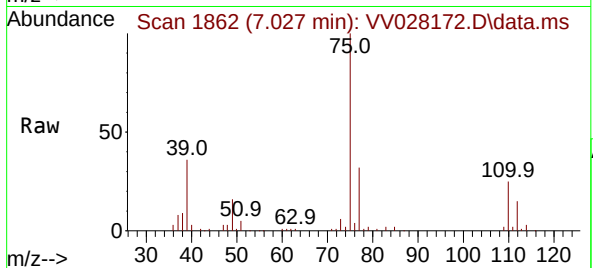
EXFR8MSD

Tgt Ion: 75 Resp: 79149

Ion Ratio Lower Upper

75 100

77 32.4 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 49.331 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.006 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

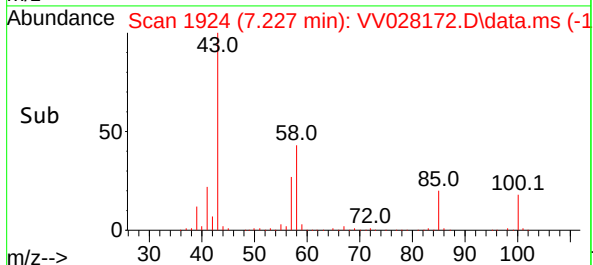
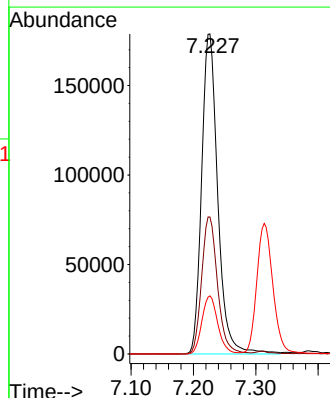
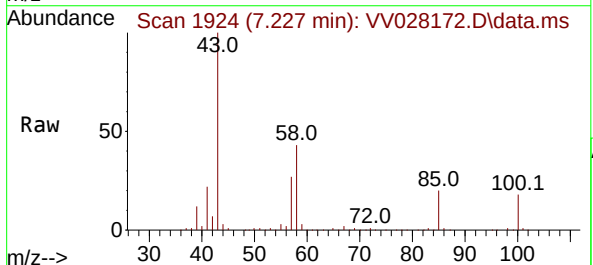
Tgt Ion: 43 Resp: 321918

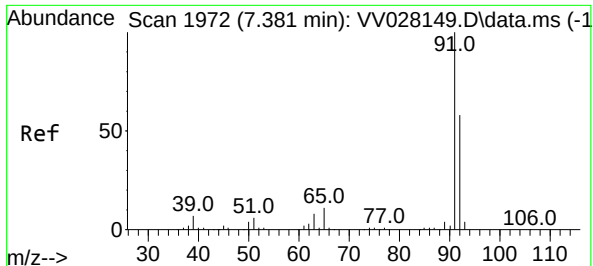
Ion Ratio Lower Upper

43 100

58 42.2 32.2 48.4

100 17.8 12.7 19.1

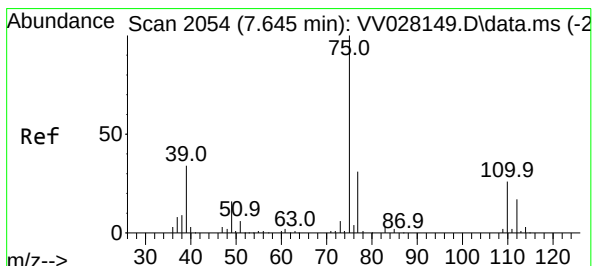
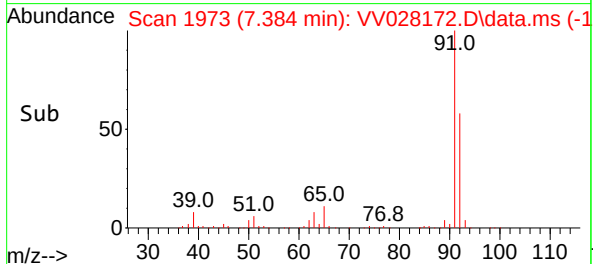
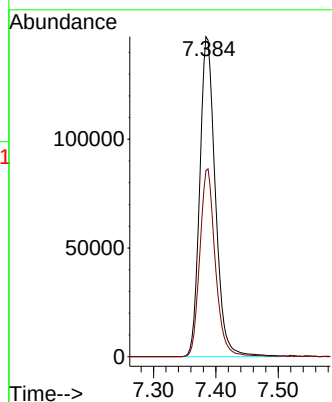
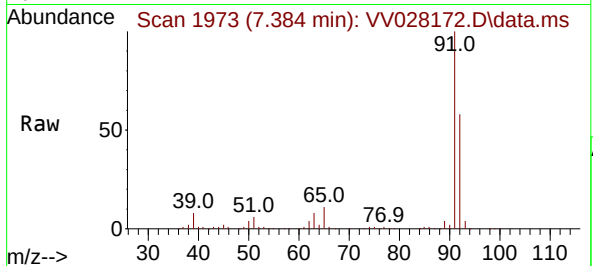




#42
Toluene
Concen: 5.120 ug/L
RT: 7.384 min Scan# 1972
Delta R.T. 0.003 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

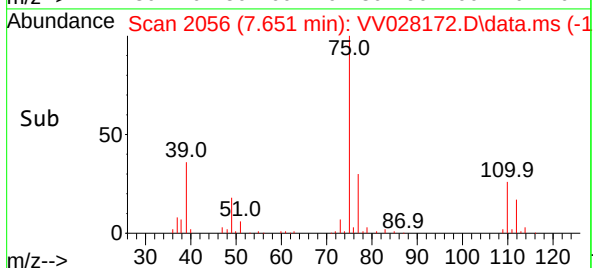
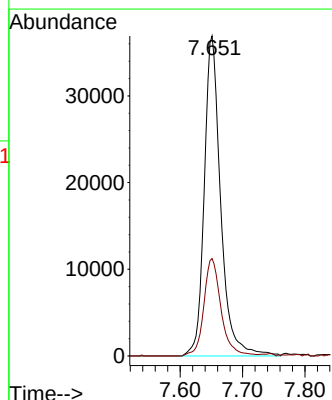
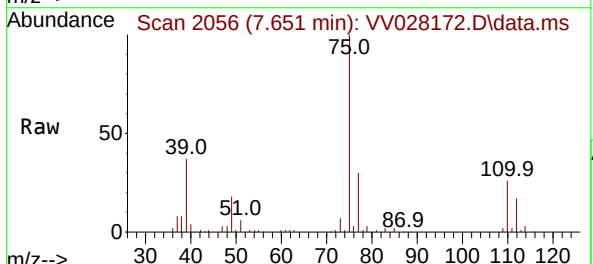
Instrument :
MSVOA_V
ClientSampleId :
EXFR8MSD

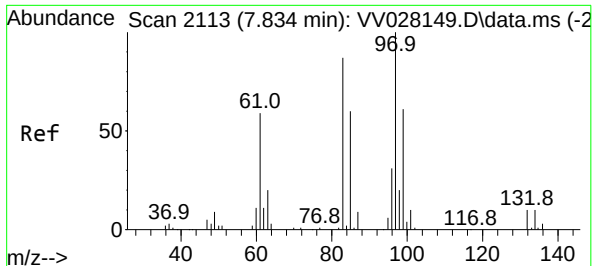
Tgt Ion: 91 Resp: 256019
Ion Ratio Lower Upper
91 100
92 58.2 40.2 74.6



#44
trans-1,3-Dichloropropene
Concen: 4.720 ug/L
RT: 7.651 min Scan# 2056
Delta R.T. 0.006 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

Tgt Ion: 75 Resp: 67765
Ion Ratio Lower Upper
75 100
77 30.4 23.9 44.3





#45

1,1,2-Trichloroethane

Concen: 5.053 ug/L

RT: 7.837 min Scan# 2113

Delta R.T. 0.003 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

EXFR8MSD

Tgt Ion: 97 Resp: 45518

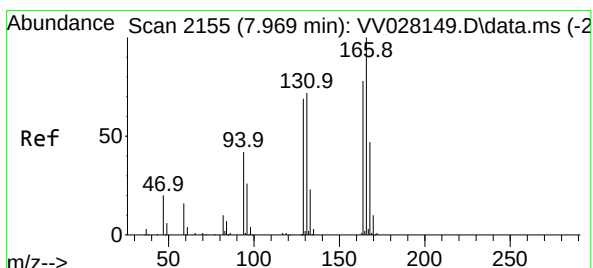
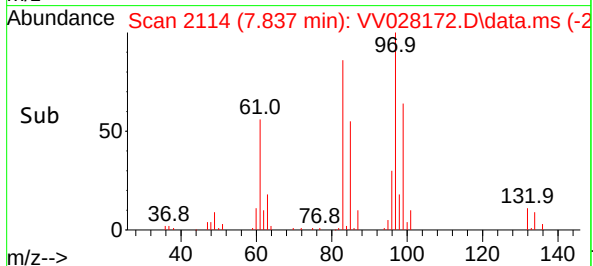
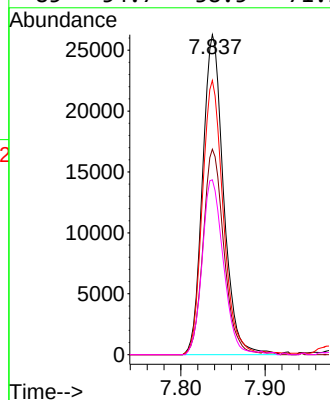
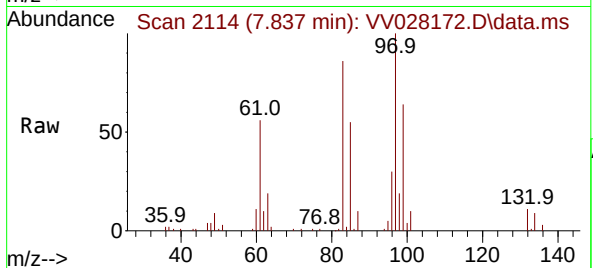
Ion Ratio Lower Upper

97 100

99 64.2 43.2 80.2

83 85.7 59.1 109.9

85 54.7 38.5 71.5



#47

Tetrachloroethene

Concen: 5.112 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

Tgt Ion:164 Resp: 48687

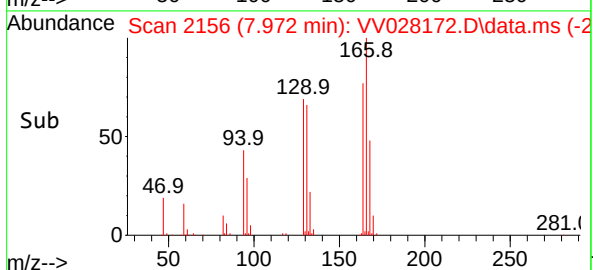
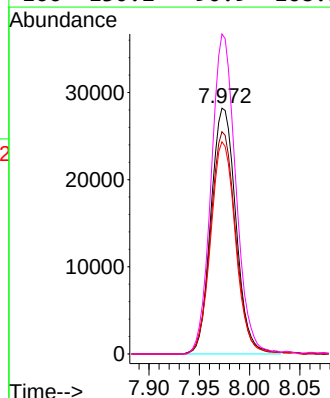
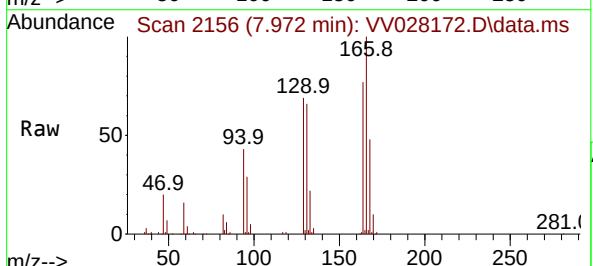
Ion Ratio Lower Upper

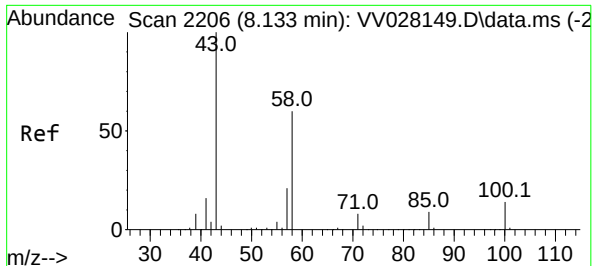
164 100

129 90.4 66.7 123.9

131 86.3 61.7 114.5

166 130.2 90.9 168.9

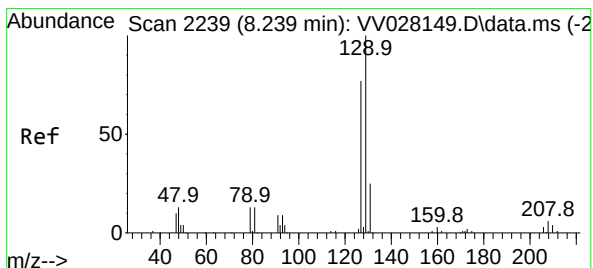
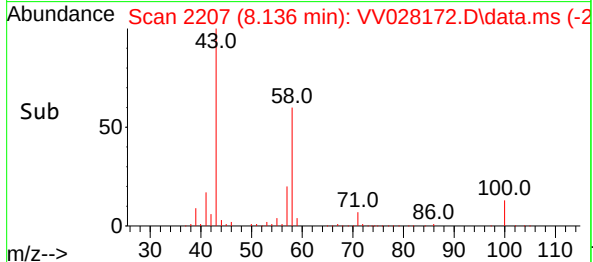
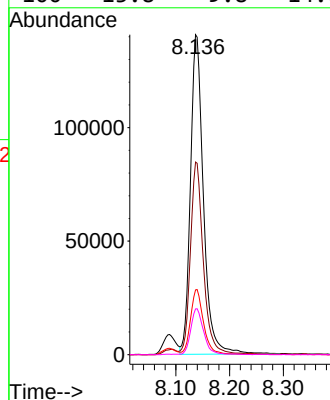
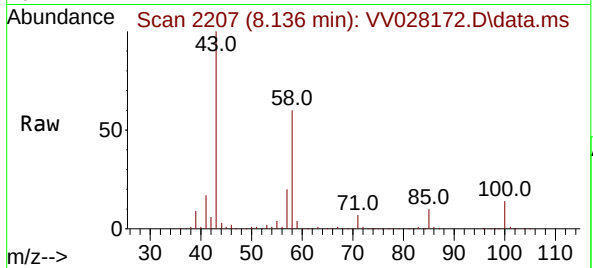




#48
2-Hexanone
Concen: 47.748 ug/L
RT: 8.136 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

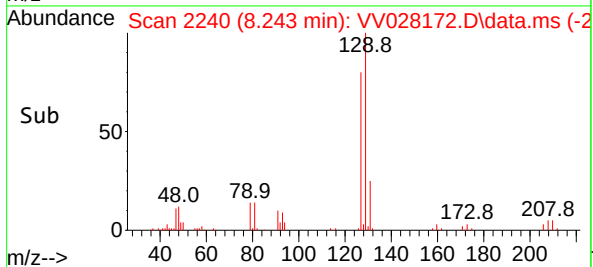
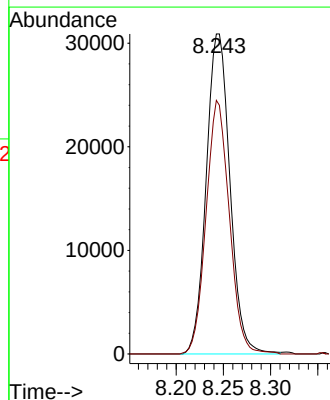
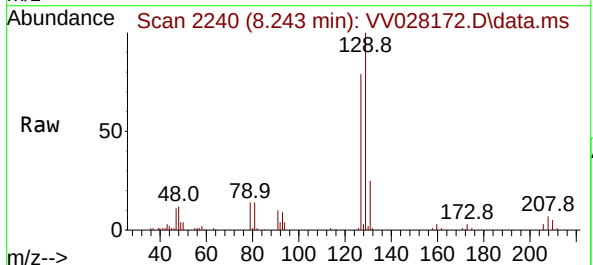
Instrument :
MSVOA_V
ClientSampleId :
EXFR8MSD

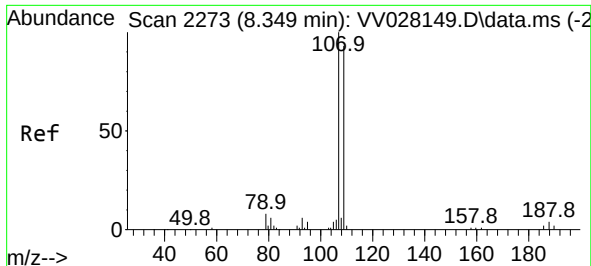
Tgt Ion: 43 Resp: 236542
Ion Ratio Lower Upper
43 100
58 59.0 45.7 68.5
57 20.2 15.5 23.3
100 13.8 9.8 14.6



#49
Dibromochloromethane
Concen: 4.978 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.003 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

Tgt Ion: 129 Resp: 53913
Ion Ratio Lower Upper
129 100
127 79.3 54.3 100.9





#50

1,2-Dibromoethane

Concen: 5.170 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

EXFR8MSD

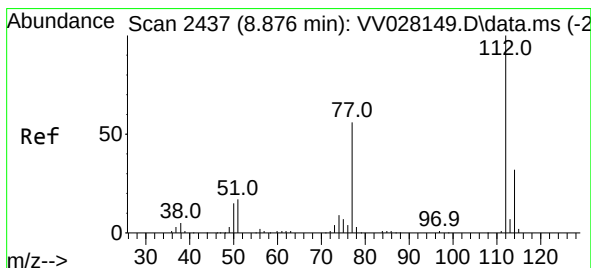
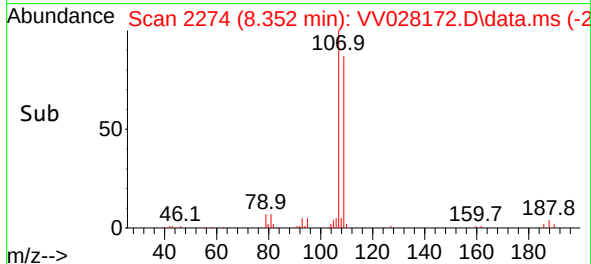
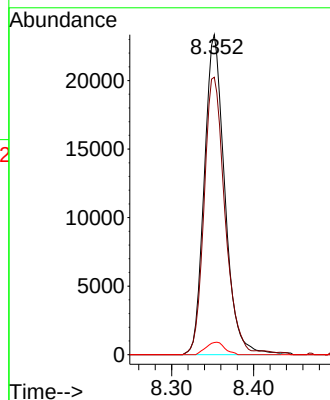
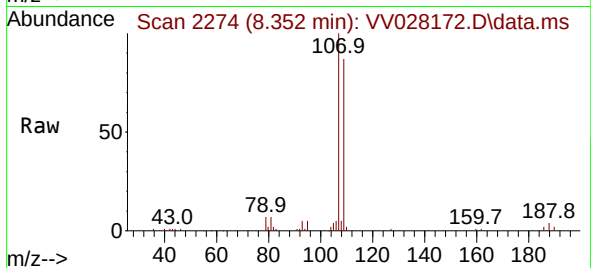
Tgt Ion:107 Resp: 40474

Ion Ratio Lower Upper

107 100

109 86.7 65.9 122.5

188 3.8 3.4 5.0



#51

Chlorobenzene

Concen: 5.170 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.003 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

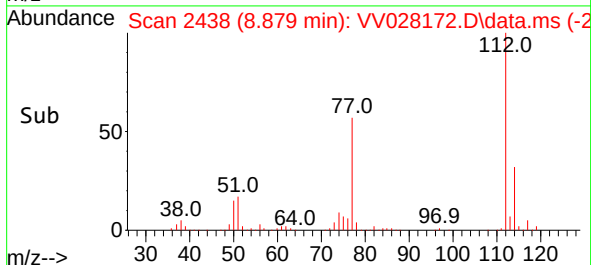
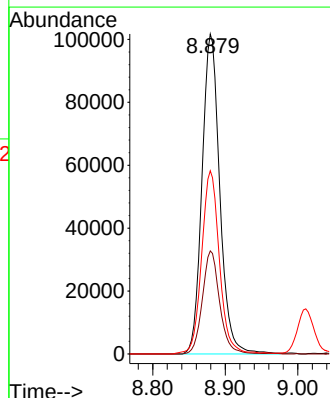
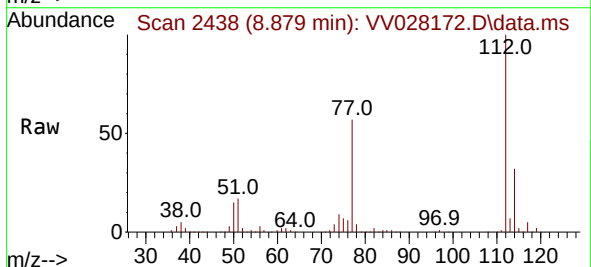
Tgt Ion:112 Resp: 173386

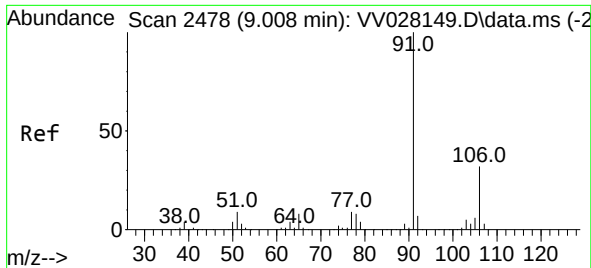
Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.7

77 57.2 46.1 69.1

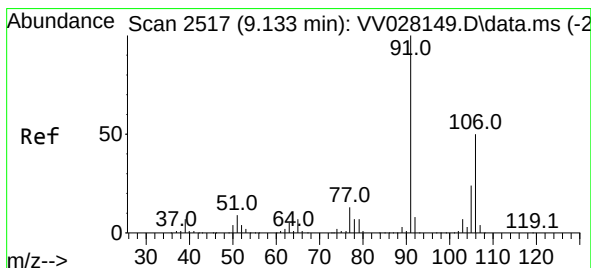
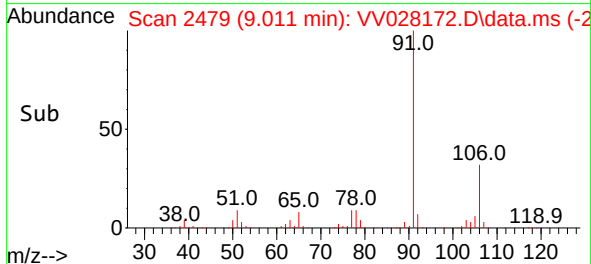
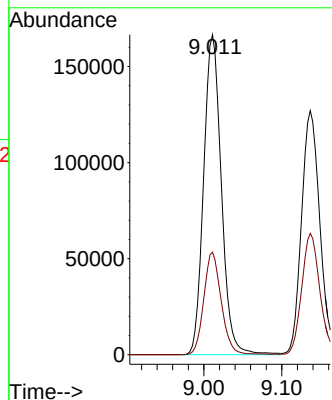
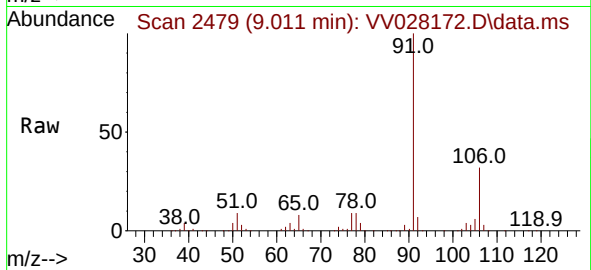




#52
Ethylbenzene
Concen: 4.974 ug/L
RT: 9.011 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

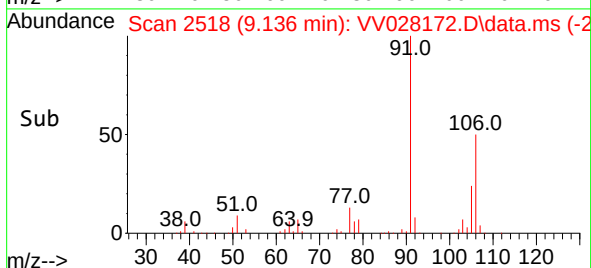
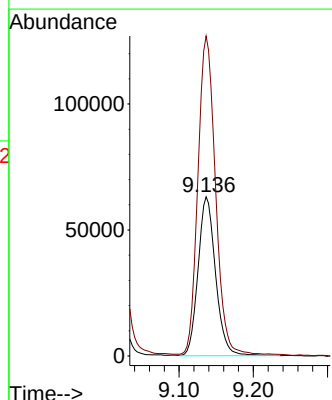
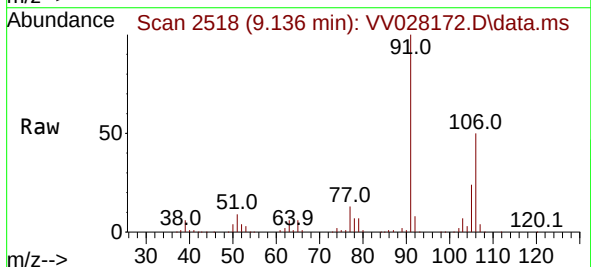
Instrument :
MSVOA_V
ClientSampleId :
EXFR8MSD

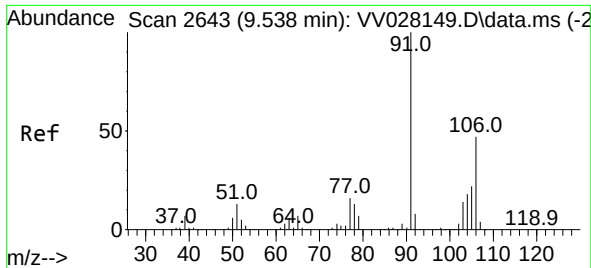
Tgt Ion: 91 Resp: 263102
Ion Ratio Lower Upper
91 100
106 32.0 21.5 39.9



#53
m,p-Xylene
Concen: 5.088 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

Tgt Ion: 106 Resp: 103153
Ion Ratio Lower Upper
106 100
91 201.0 141.9 263.5

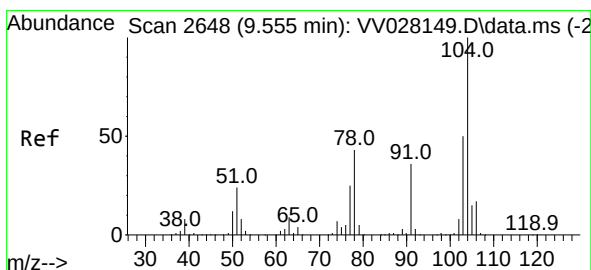
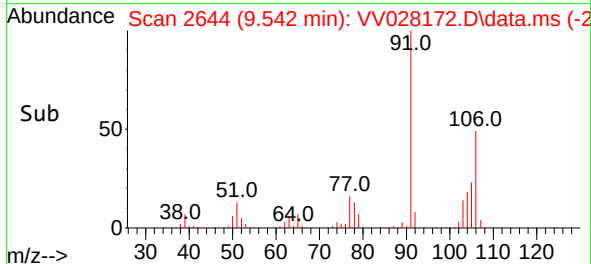
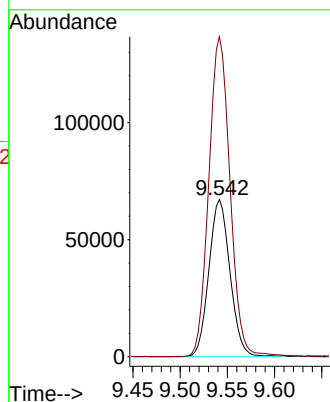
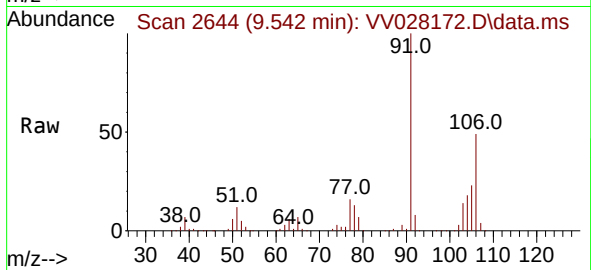




#54
o-Xylene
Concen: 5.211 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.003 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

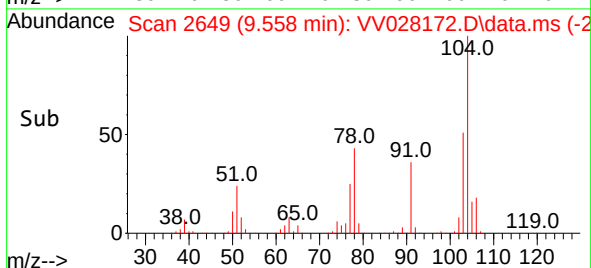
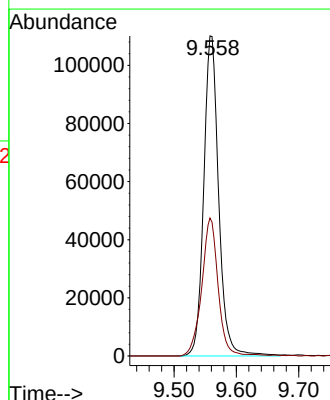
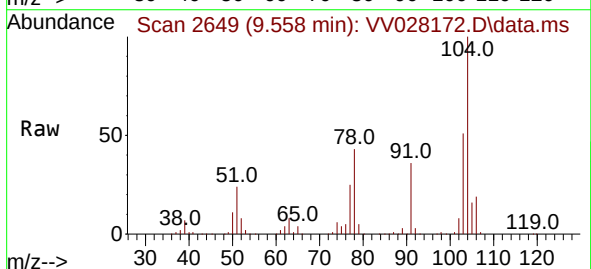
Instrument :
MSVOA_V
ClientSampleId :
EXFR8MSD

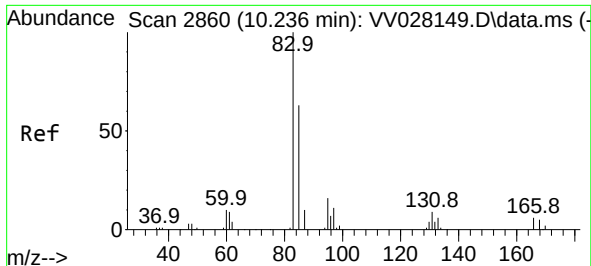
Tgt Ion:106 Resp: 104317
Ion Ratio Lower Upper
106 100
91 203.7 148.1 275.0



#55
Styrene
Concen: 5.296 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.003 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

Tgt Ion:104 Resp: 183701
Ion Ratio Lower Upper
104 100
78 43.1 31.0 57.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.151 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.003 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

EXFR8MSD

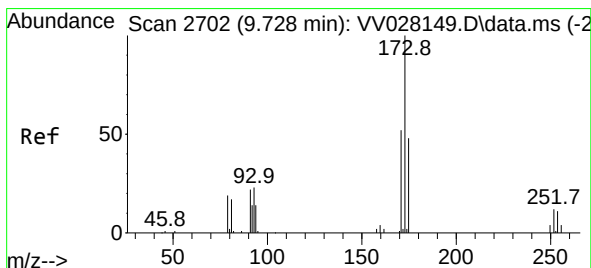
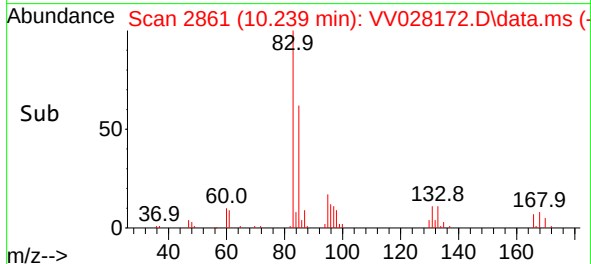
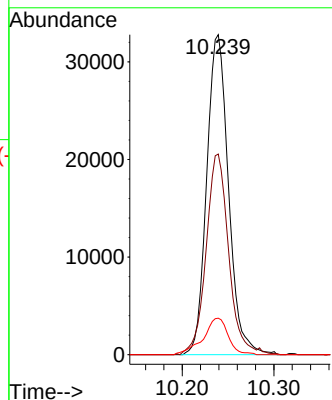
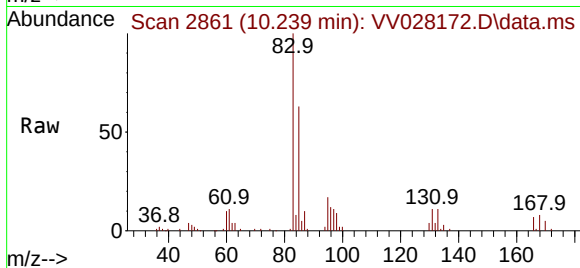
Tgt Ion: 83 Resp: 54066

Ion Ratio Lower Upper

83 100

85 62.7 45.2 84.0

131 11.4 7.8 11.8



#59

Bromoform

Concen: 5.078 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. -0.000 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

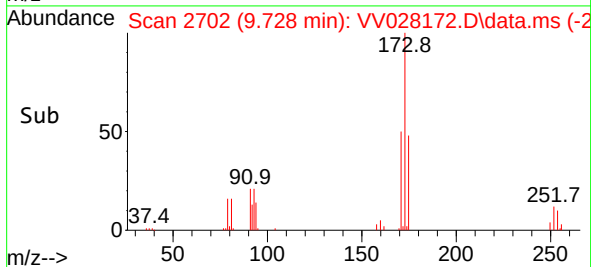
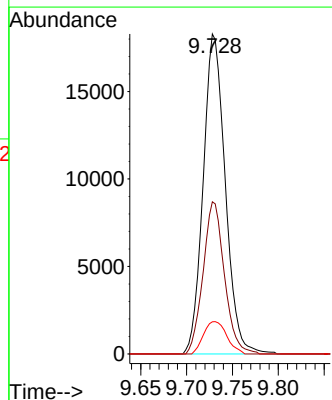
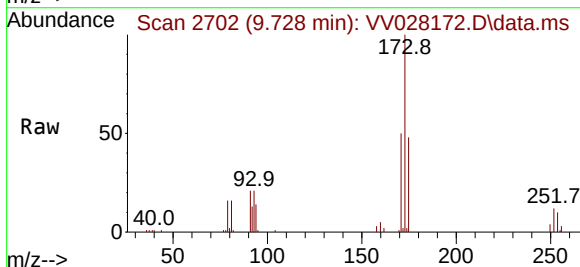
Tgt Ion: 173 Resp: 30646

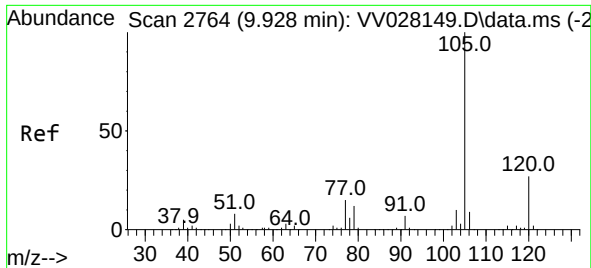
Ion Ratio Lower Upper

173 100

175 45.9 39.0 58.4

254 10.6 8.7 13.1

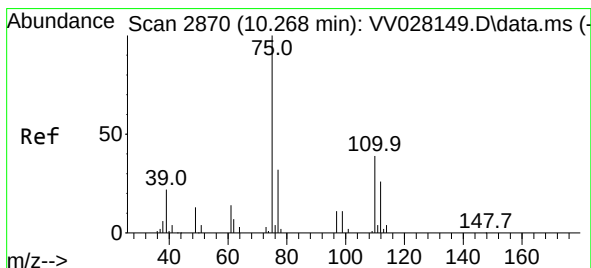
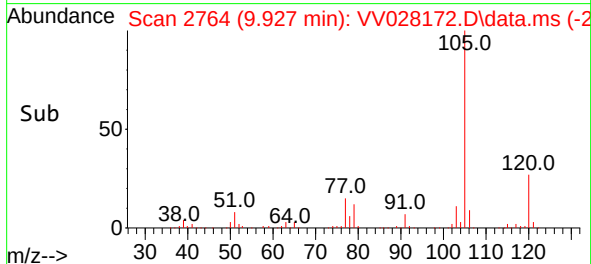
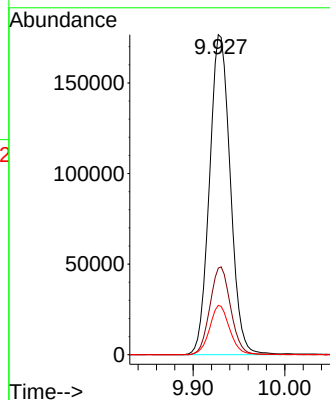
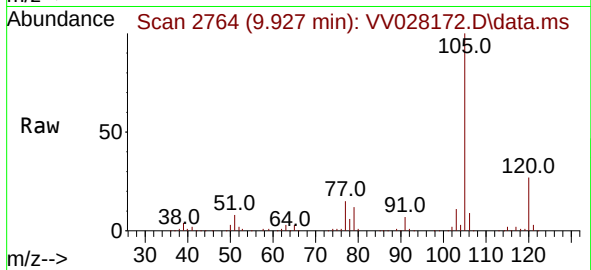




#60
Isopropylbenzene
Concen: 4.985 ug/L
RT: 9.927 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

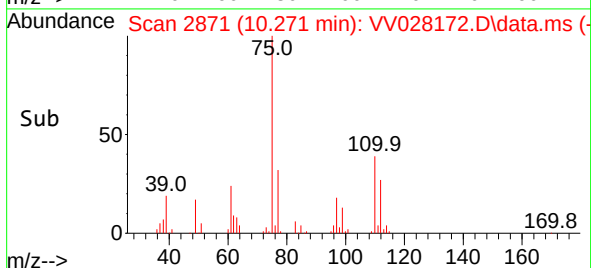
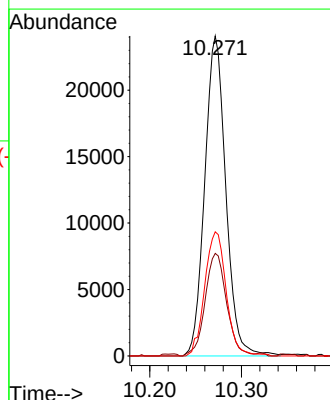
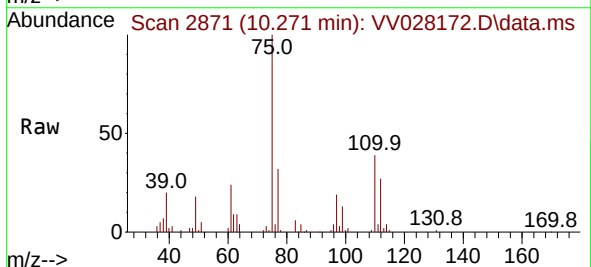
Instrument :
MSVOA_V
ClientSampleId :
EXFR8MSD

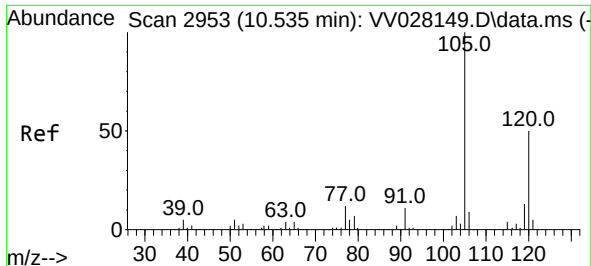
Tgt Ion:105 Resp: 278144
Ion Ratio Lower Upper
105 100
120 27.3 21.4 32.0
77 14.8 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 4.823 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. 0.003 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

Tgt Ion: 75 Resp: 38452
Ion Ratio Lower Upper
75 100
77 32.6 26.7 40.1
110 39.6 30.1 45.1





#62

1,3,5-Trimethylbenzene

Concen: 4.690 ug/L

RT: 10.538 min Scan# 2953

Delta R.T. 0.003 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

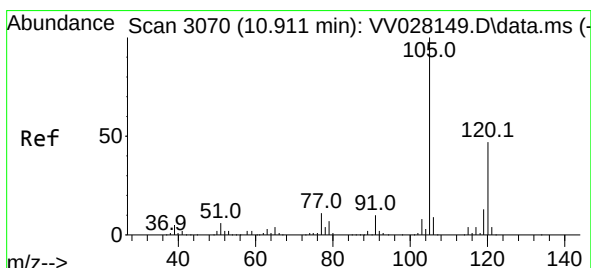
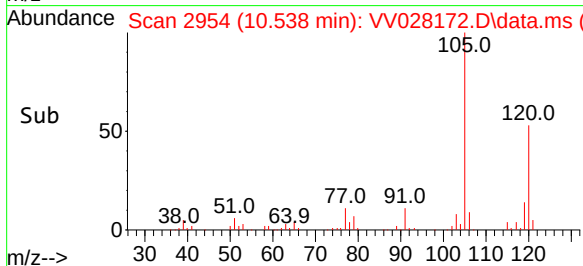
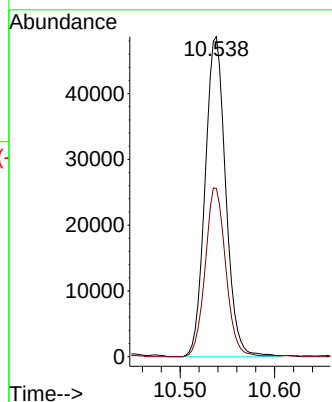
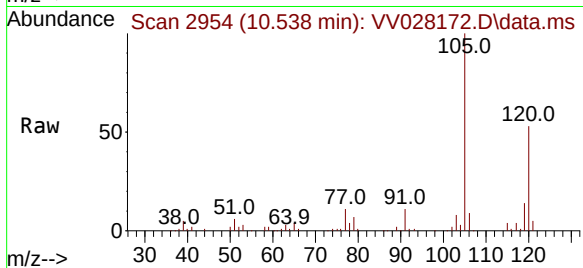
EXFR8MSD

Tgt Ion:105 Resp: 73707

Ion Ratio Lower Upper

105 100

120 52.5 40.6 61.0



#63

1,2,4-Trimethylbenzene

Concen: 4.850 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.000 min

Lab File: VV028172.D

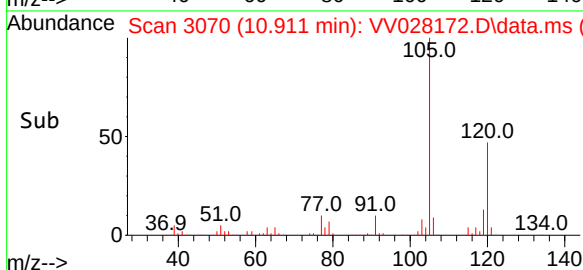
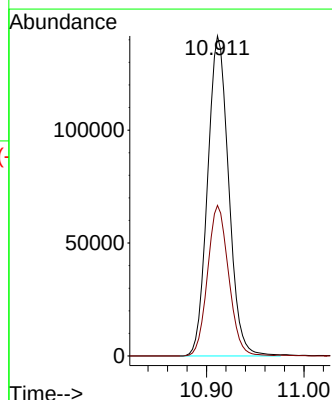
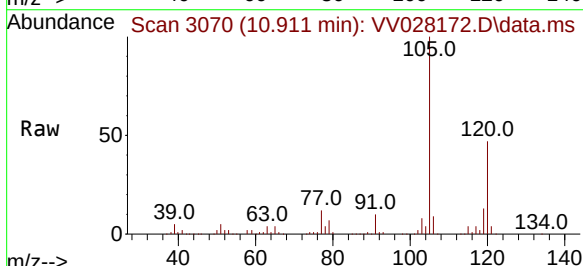
Acq: 28 Sep 2022 20:28

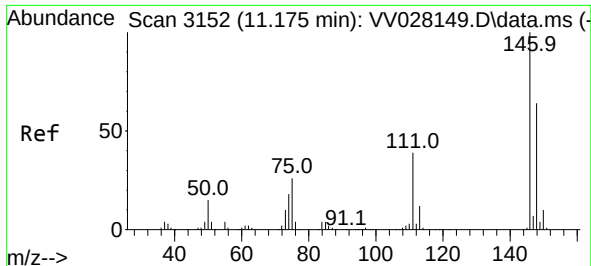
Tgt Ion:105 Resp: 213063

Ion Ratio Lower Upper

105 100

120 47.0 37.8 56.8





#64

1,3-Dichlorobenzene

Concen: 5.271 ug/L

RT: 11.178 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

EXFR8MSD

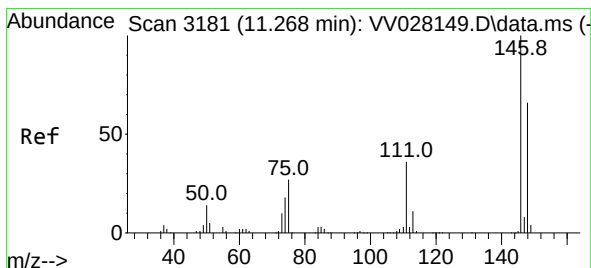
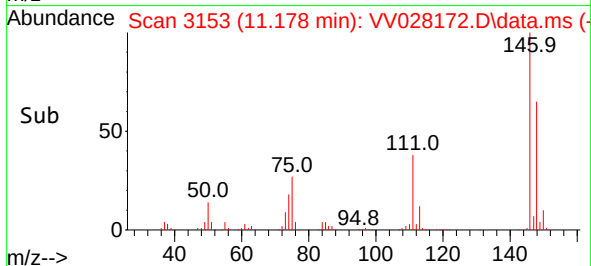
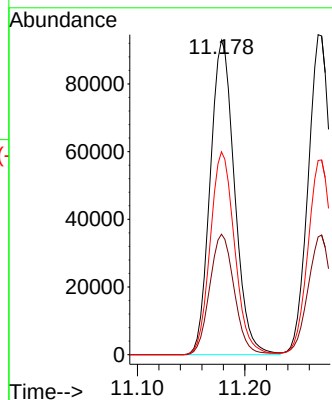
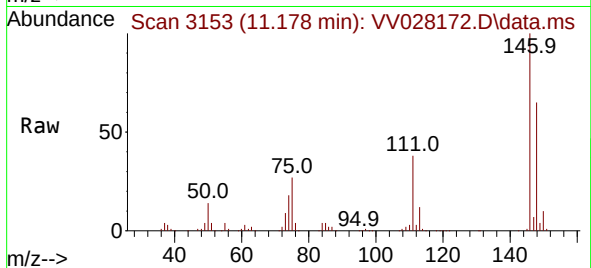
Tgt Ion:146 Resp: 146348

Ion Ratio Lower Upper

146 100

111 38.3 27.1 50.3

148 64.5 45.7 84.9



#65

1,4-Dichlorobenzene

Concen: 5.261 ug/L

RT: 11.268 min Scan# 3181

Delta R.T. -0.000 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

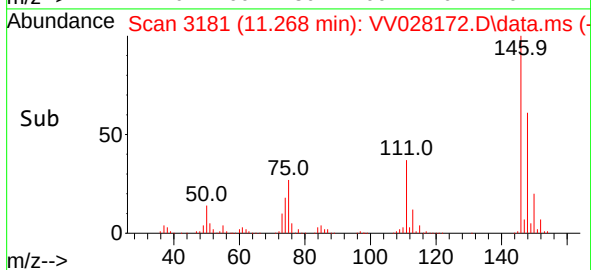
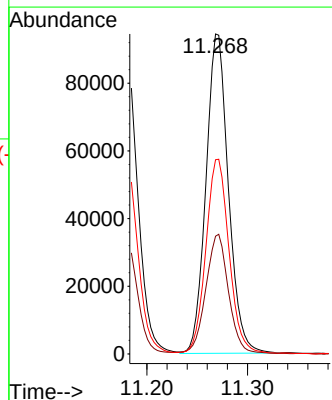
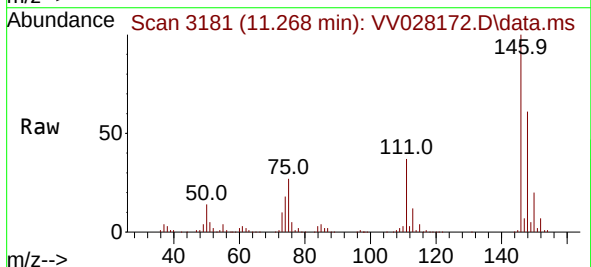
Tgt Ion:146 Resp: 146146

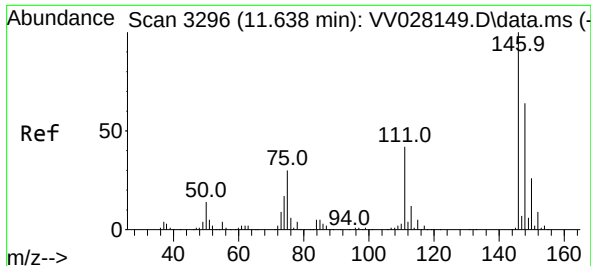
Ion Ratio Lower Upper

146 100

111 36.8 26.2 48.8

148 60.7 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 5.259 ug/L

RT: 11.638 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

Instrument :

MSVOA_V

ClientSampleId :

EXFR8MSD

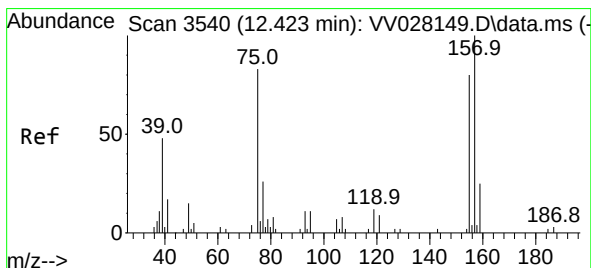
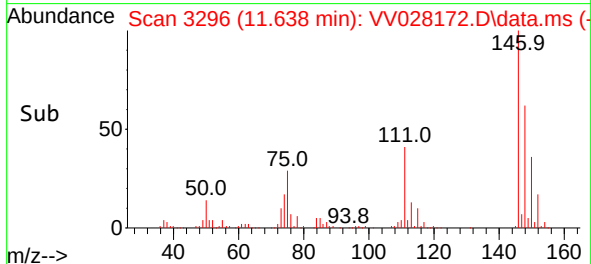
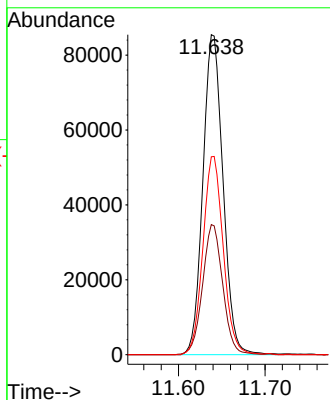
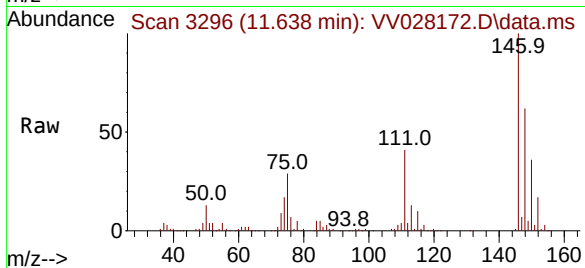
Tgt Ion:146 Resp: 137919

Ion Ratio Lower Upper

146 100

111 40.7 32.6 49.0

148 61.9 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 4.761 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.003 min

Lab File: VV028172.D

Acq: 28 Sep 2022 20:28

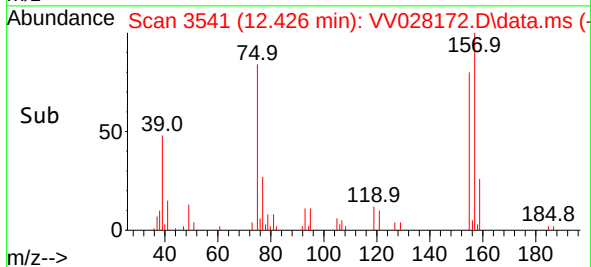
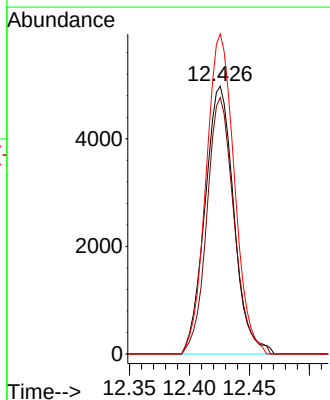
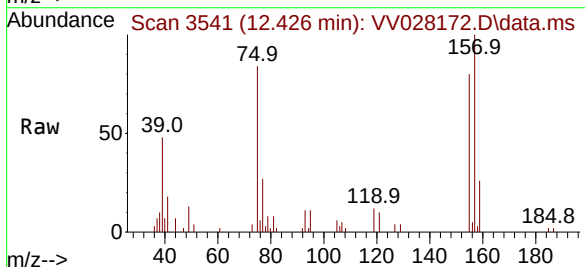
Tgt Ion: 75 Resp: 8319

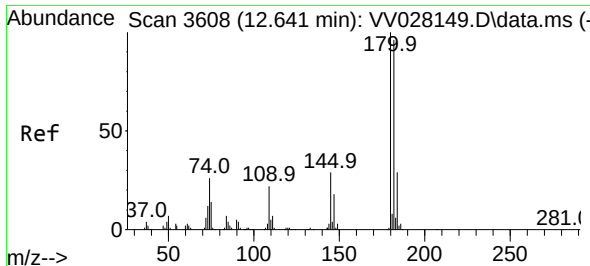
Ion Ratio Lower Upper

75 100

155 95.8 73.6 110.4

157 119.6 90.7 136.1



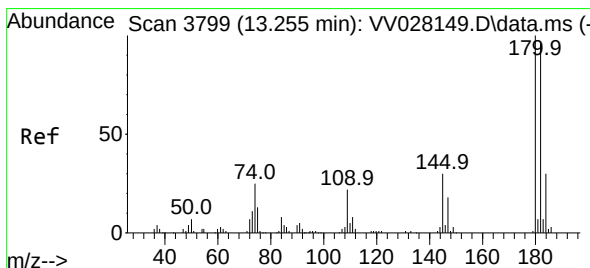
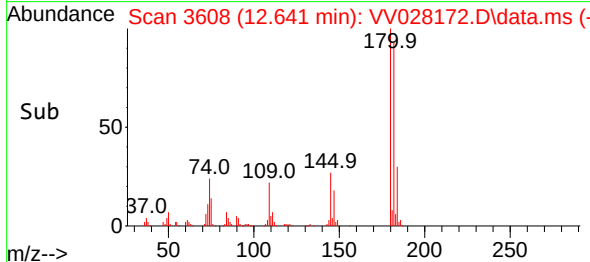
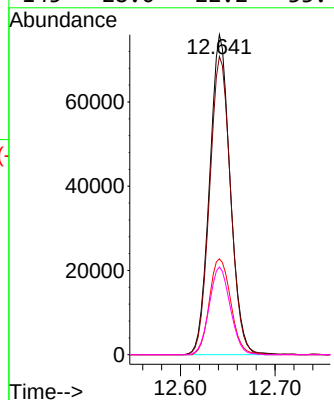
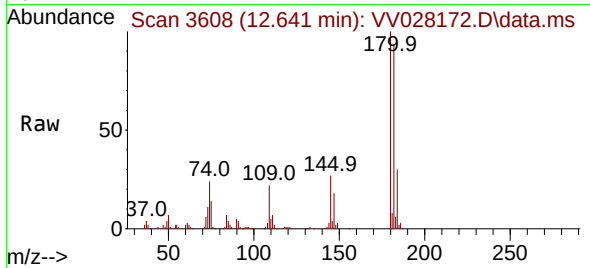


#69
 1,3,5-Trichlorobenzene
 Concen: 5.224 ug/L
 RT: 12.641 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VV028172.D
 Acq: 28 Sep 2022 20:28

Instrument :
 MSVOA_V
 ClientSampleId :
 EXFR8MSD

Tgt Ion:180 Resp: 114788

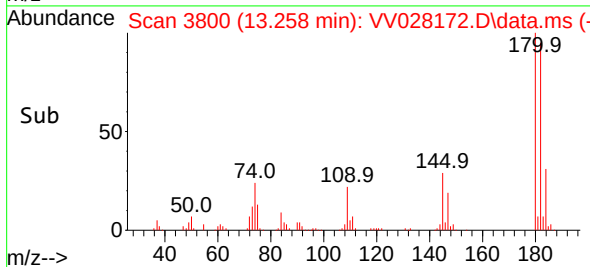
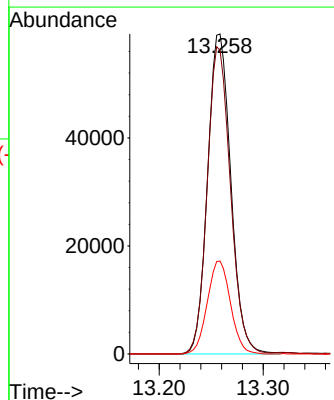
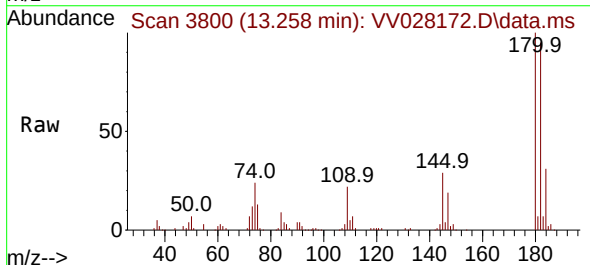
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.5	113.3
184	31.1	23.7	35.5
145	28.0	22.2	33.4

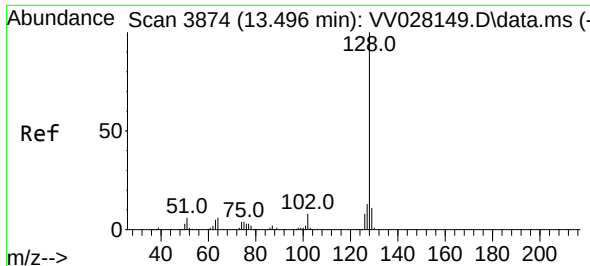


#70
 1,2,4-trichlorobenzene
 Concen: 5.239 ug/L
 RT: 13.258 min Scan# 3800
 Delta R.T. 0.003 min
 Lab File: VV028172.D
 Acq: 28 Sep 2022 20:28

Tgt Ion:180 Resp: 92067

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.3	114.5
145	28.9	22.9	34.3

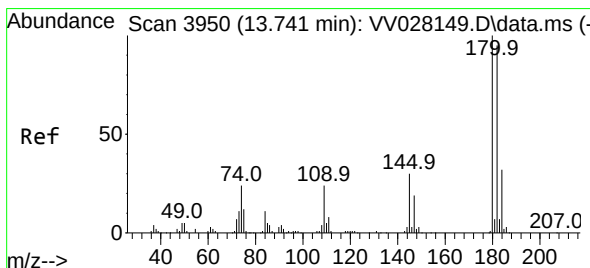
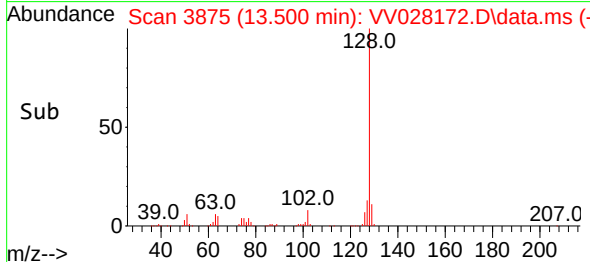
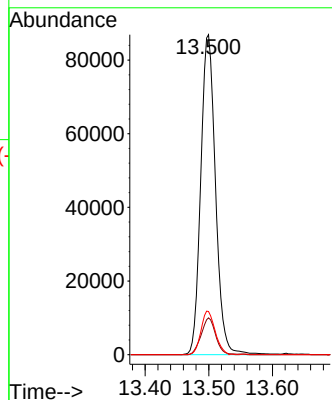
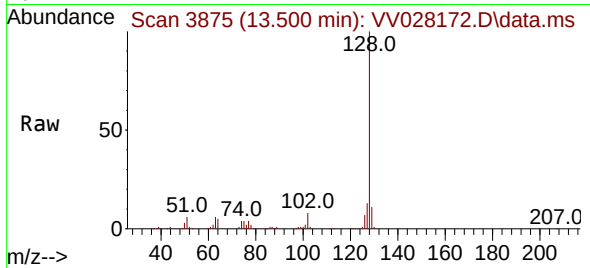




#71
Naphthalene
Concen: 4.874 ug/L
RT: 13.500 min Scan# 3874
Delta R.T. 0.003 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

Instrument :
MSVOA_V
ClientSampleId :
EXFR8MSD

Tgt Ion:128 Resp: 140262
Ion Ratio Lower Upper
128 100
129 11.3 8.2 12.2
127 13.1 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 5.385 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. -0.000 min
Lab File: VV028172.D
Acq: 28 Sep 2022 20:28

Tgt Ion:180 Resp: 85604
Ion Ratio Lower Upper
180 100
182 93.2 77.4 116.0
145 29.6 24.6 36.8

