

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061623\
 Data File : VU054581.D
 Acq On : 16 Jun 2023 18:36
 Operator : MD/SY
 Sample : 03284-11MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DCGZ6MSD

Quant Time: Jun 17 06:17:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 17 06:10:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	252463	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	244075	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	131760	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	62159	3.869	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.400%
7) Chloroethane-d5	1.911	69	79838	5.307	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.200%
11) 1,1-Dichloroethene-d2	2.563	65	29229	4.073	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.400%
20) 2-Butanone-d5	4.627	46	266543	59.004	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.000%
24) Chloroform-d	5.062	84	194484	5.791	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.800%
26) 1,2-Dichloroethane-d4	5.698	65	93885	5.735	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.600%
32) Benzene-d6	5.724	84	351916	5.187	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
36) 1,2-Dichloropropane-d6	6.685	67	121707	5.371	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.400%
41) Toluene-d8	7.894	98	306415	5.089	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.800%
43) trans-1,3-Dichloroprop...	8.177	79	38663	4.907	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.200%
46) 2-Hexanone-d5	8.627	63	188877	57.136	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.280%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	95566	5.656	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	119129	5.360	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	114248	4.843	ug/L	97
3) Chloromethane	1.518	50	133590	4.930	ug/L	100
5) Vinyl chloride	1.602	62	144085	5.180	ug/L	99
6) Bromomethane	1.859	94	80219	5.246	ug/L	99
8) Chloroethane	1.933	64	88386	5.301	ug/L	98
9) Trichlorofluoromethane	2.139	101	185084	5.413	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	106361	5.317	ug/L	96
12) 1,1-Dichloroethene	2.579	96	97813	5.342	ug/L	98
13) Acetone	2.637	43	163882	38.476	ug/L	96
14) Carbon disulfide	2.792	76	267099	4.919	ug/L	99
15) Methyl Acetate	2.956	43	37117	4.703	ug/L	98
16) Methylene chloride	3.046	84	111005	4.311	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	248694	5.502	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	103790	5.490	ug/L	98
19) 1,1-Dichloroethane	3.865	63	301664	7.710	ug/L	99
21) 2-Butanone	4.705	43	264871	47.916	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	141739	6.583	ug/L	96
23) Bromochloromethane	4.972	128	50173	5.600	ug/L	90
25) Chloroform	5.084	83	215243	5.580	ug/L	100

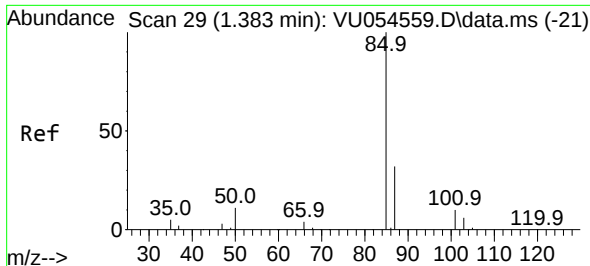
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	127205	5.626	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	208984	6.314	ug/L	99
30) Cyclohexane	5.386	56	169788	4.710	ug/L	98
31) Carbon tetrachloride	5.521	117	152674	5.353	ug/L	98
33) Benzene	5.769	78	468178	5.337	ug/L	100
34) Trichloroethene	6.537	95	157117	6.773	ug/L	97
35) Methylcyclohexane	6.759	83	166564	4.751	ug/L	99
37) 1,2-Dichloropropane	6.785	63	125201	5.279	ug/L	100
38) Bromodichloromethane	7.100	83	148309	5.524	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	169995	5.250	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	649637	51.326	ug/L	99
42) Toluene	7.965	91	492922	5.457	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	141922	5.401	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	85899	5.693	ug/L	96
47) Tetrachloroethene	8.550	164	94520	5.323	ug/L	97
48) 2-Hexanone	8.679	43	477256	50.606	ug/L	99
49) Dibromochloromethane	8.807	129	91677	5.787	ug/L	99
50) 1,2-Dibromoethane	8.920	107	76255	5.505	ug/L	100
51) Chlorobenzene	9.444	112	306732	5.447	ug/L	99
52) Ethylbenzene	9.566	91	529789	5.370	ug/L	99
53) m,p-Xylene	9.692	106	202684	5.592	ug/L	98
54) o-Xylene	10.097	106	194189	5.541	ug/L	97
55) Styrene	10.110	104	329895	5.608	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	102061	5.325	ug/L	97
59) Bromoform	10.286	173	54037	5.713	ug/L	99
60) Isopropylbenzene	10.479	105	534289	5.543	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	70443	5.290	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	423655	5.387	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	430268	5.387	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	257208	5.709	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	254937	5.638	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	235217	5.676	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	15849	5.416	ug/L	99
69) 1,3,5-Trichlorobenzene	13.216	180	195170	5.741	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	160706	5.717	ug/L	99
71) Naphthalene	14.080	128	244738	5.354	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	141818	5.873	ug/L	98

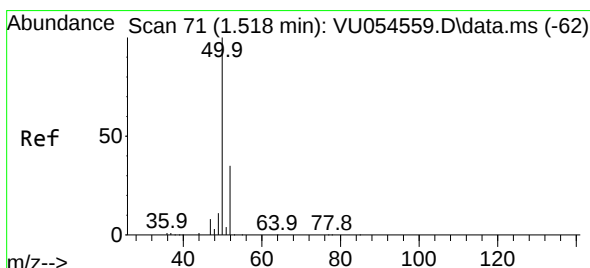
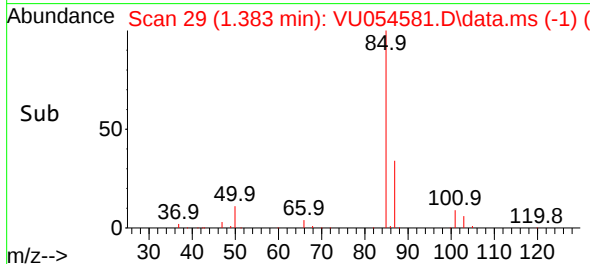
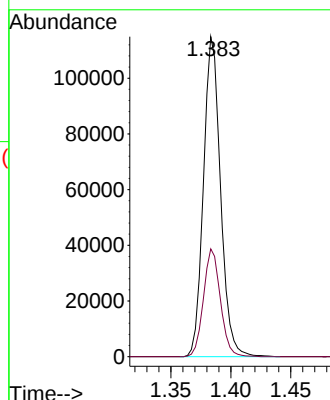
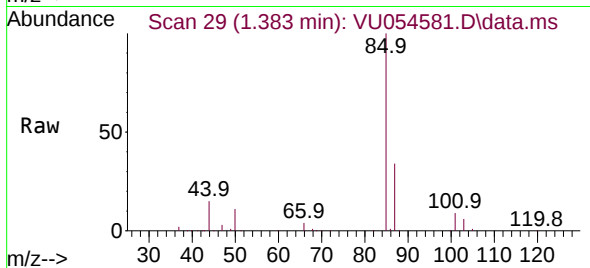
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#2
 Dichlorodifluoromethane
 Concen: 4.843 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU054581.D
 Acq: 16 Jun 2023 18:36

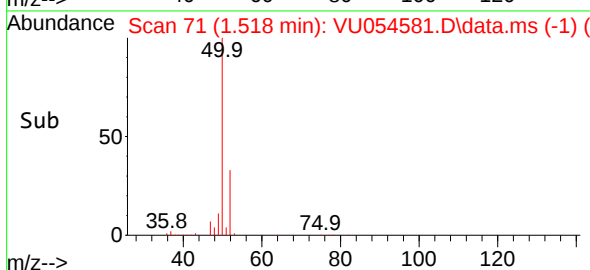
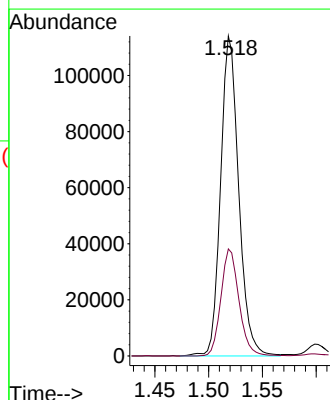
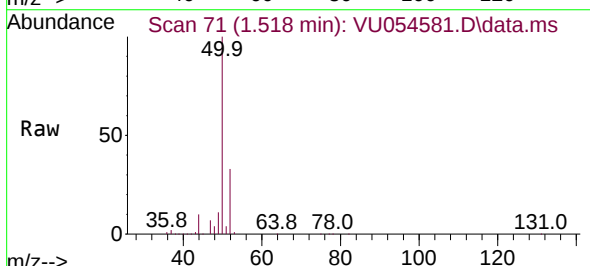
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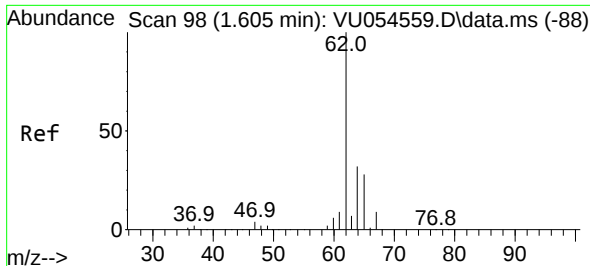
Tgt Ion: 85 Resp: 114248
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.4 38.2



#3
 Chloromethane
 Concen: 4.930 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU054581.D
 Acq: 16 Jun 2023 18:36

Tgt Ion: 50 Resp: 133590
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.4 43.4

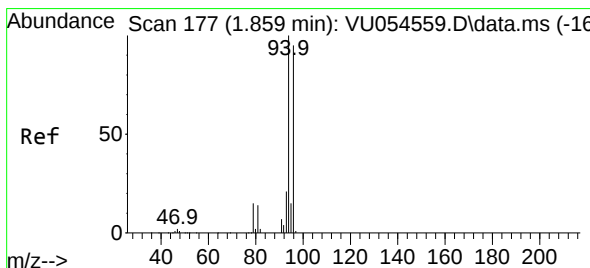
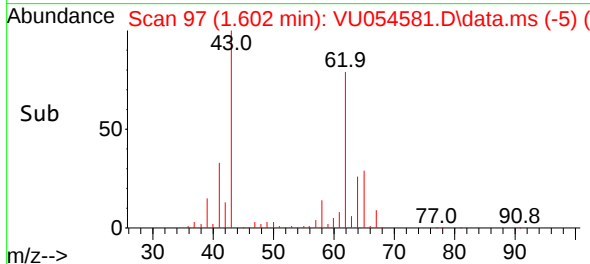
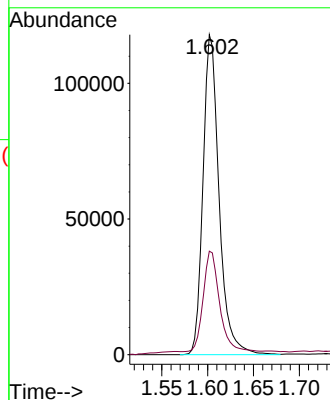
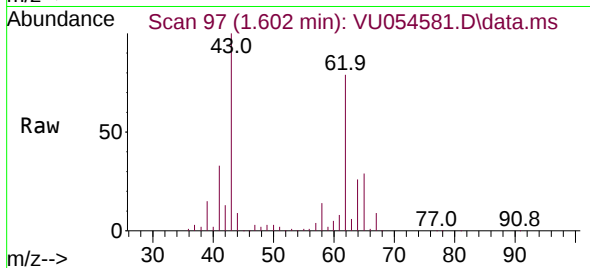




#5
 Vinyl chloride
 Concen: 5.180 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU054581.D
 Acq: 16 Jun 2023 18:36

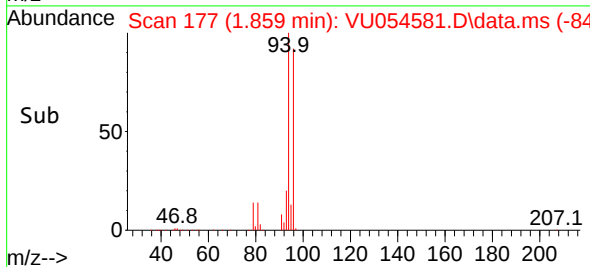
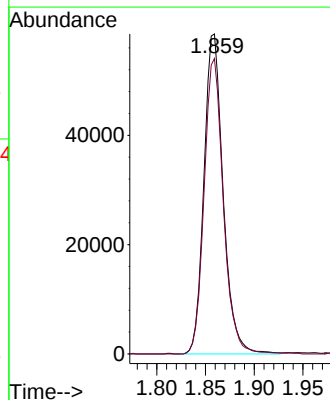
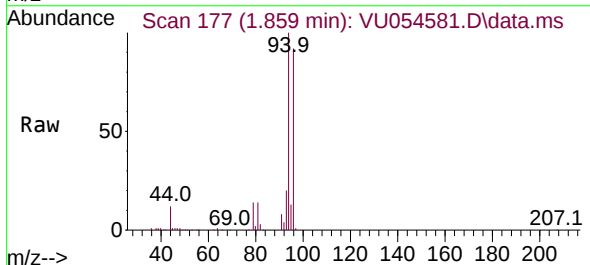
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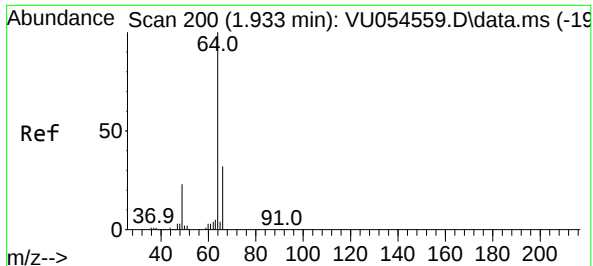
Tgt Ion: 62 Resp: 144085
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.0 42.6



#6
 Bromomethane
 Concen: 5.246 ug/L
 RT: 1.859 min Scan# 177
 Delta R.T. -0.000 min
 Lab File: VU054581.D
 Acq: 16 Jun 2023 18:36

Tgt Ion: 94 Resp: 80219
 Ion Ratio Lower Upper
 94 100
 96 92.3 63.6 118.2

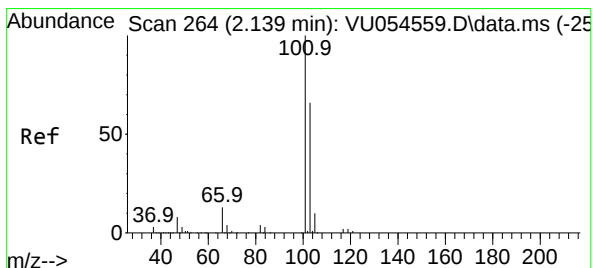
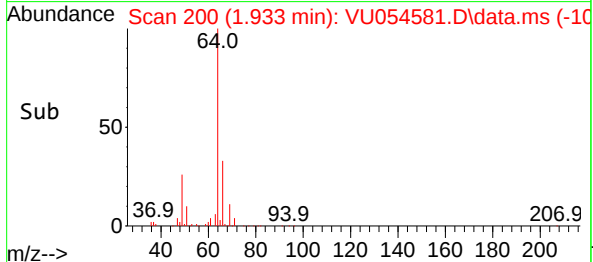
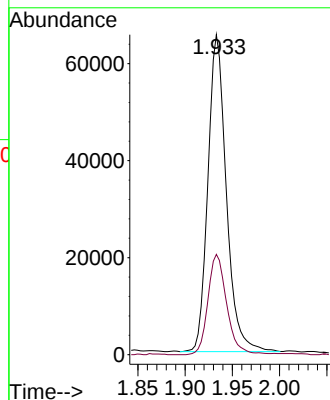
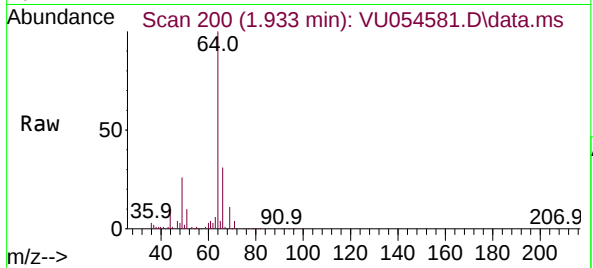




#8
Chloroethane
Concen: 5.301 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

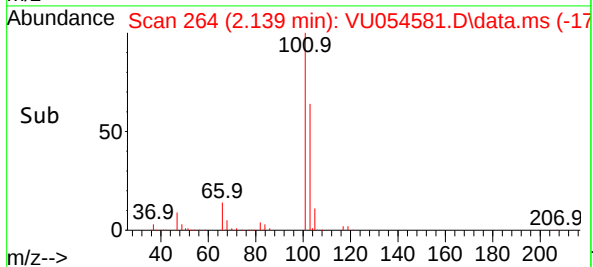
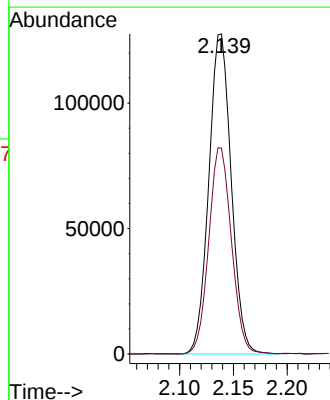
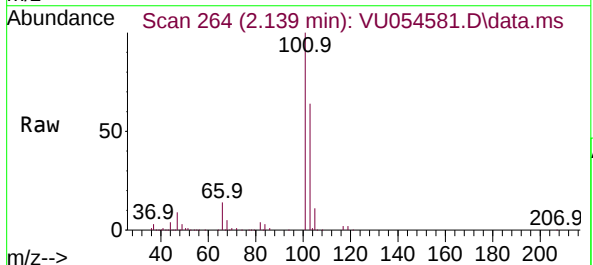
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ClientSampleId :
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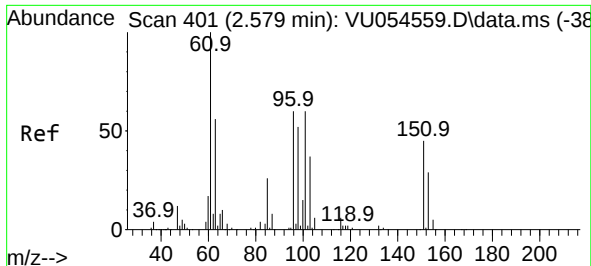
Tgt Ion: 64 Resp: 88386
Ion Ratio Lower Upper
64 100
66 31.4 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.413 ug/L
RT: 2.139 min Scan# 264
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

Tgt Ion:101 Resp: 185084
Ion Ratio Lower Upper
101 100
103 65.2 50.6 75.8

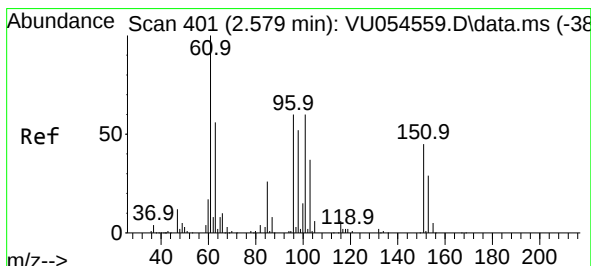
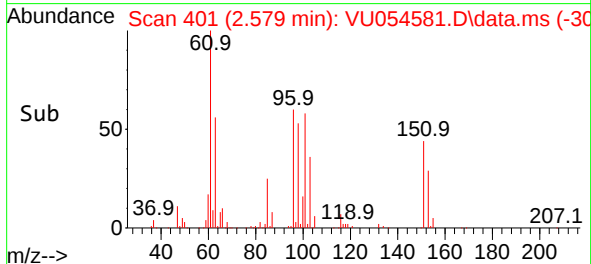
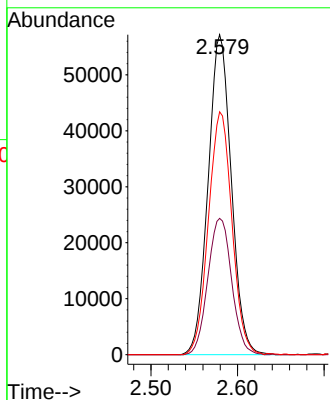
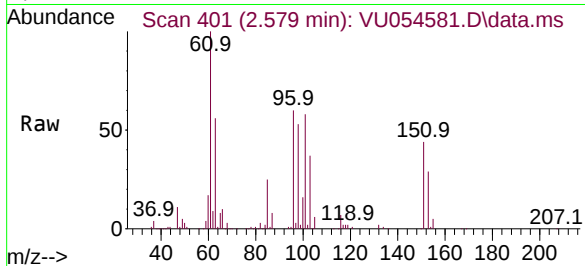




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.317 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU054581.D
 Acq: 16 Jun 2023 18:36

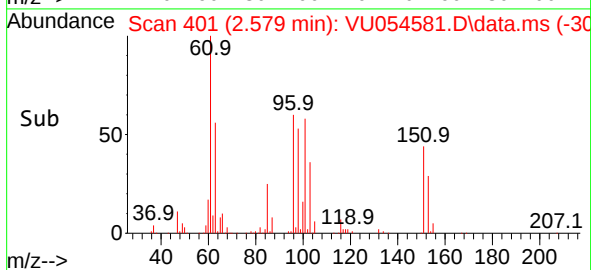
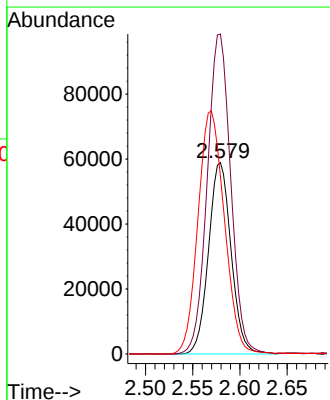
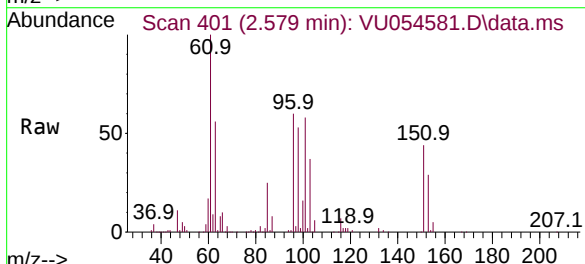
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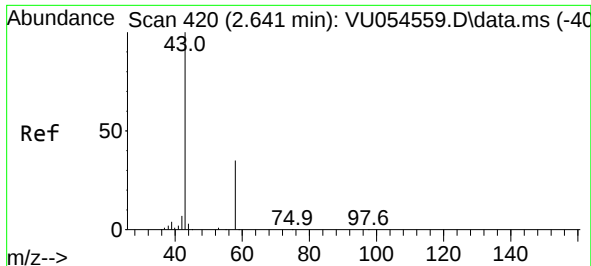
Tgt Ion:101 Resp: 106361
 Ion Ratio Lower Upper
 101 100
 85 43.8 34.6 51.8
 151 77.0 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 5.342 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU054581.D
 Acq: 16 Jun 2023 18:36

Tgt Ion: 96 Resp: 97813
 Ion Ratio Lower Upper
 96 100
 61 167.2 119.9 222.7
 63 92.8 64.3 119.3





#13

Acetone

Concen: 38.476 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.003 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

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MSVOA_U

ClientSampleId :

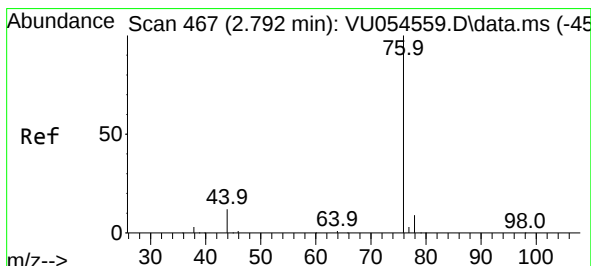
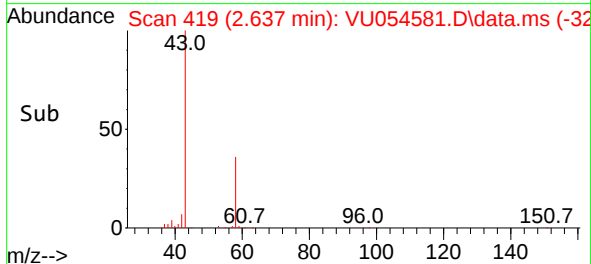
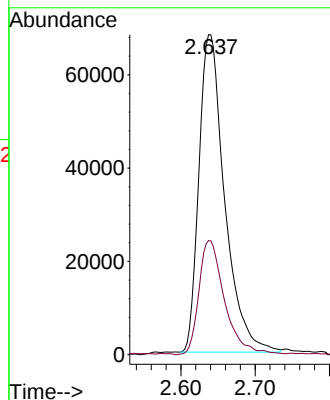
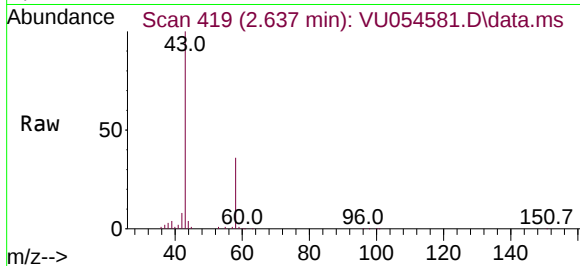
DCGZ6MSD

Tgt Ion: 43 Resp: 163882

Ion Ratio Lower Upper

43 100

58 36.0 0.0 67.2



#14

Carbon disulfide

Concen: 4.919 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU054581.D

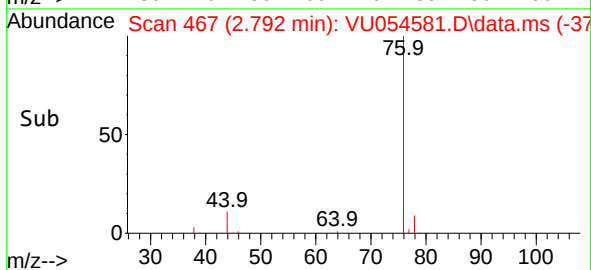
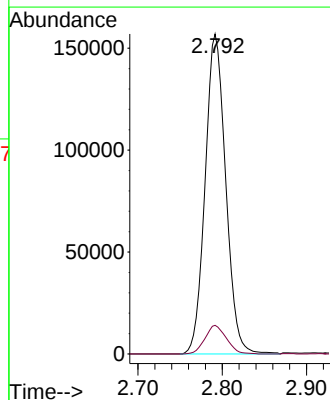
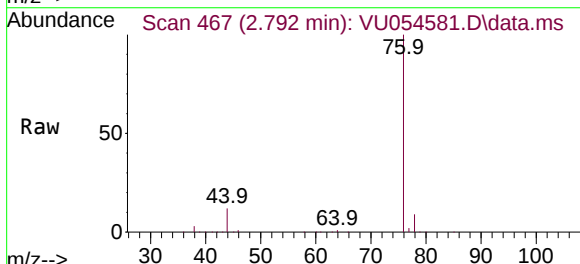
Acq: 16 Jun 2023 18:36

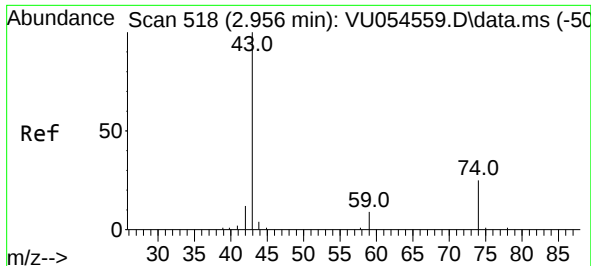
Tgt Ion: 76 Resp: 267099

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

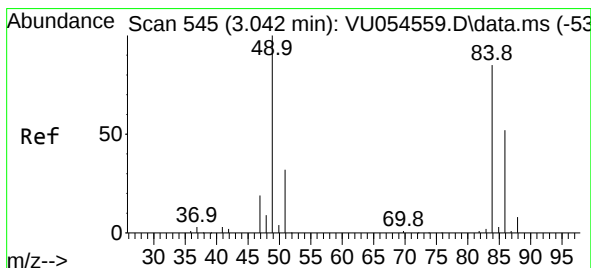
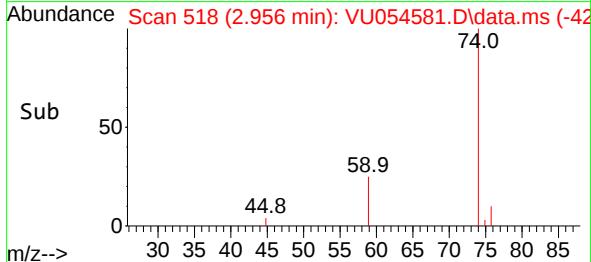
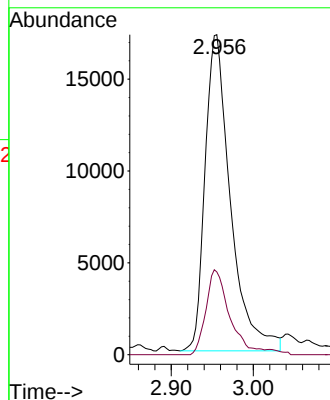
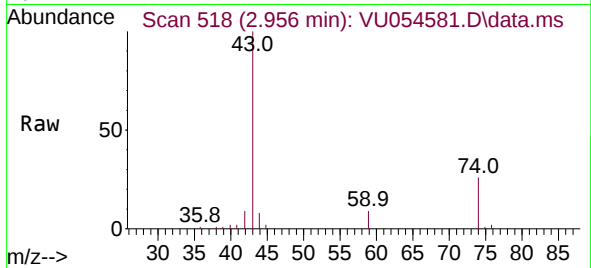




#15
Methyl Acetate
Concen: 4.703 ug/L
RT: 2.956 min Scan# 518
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

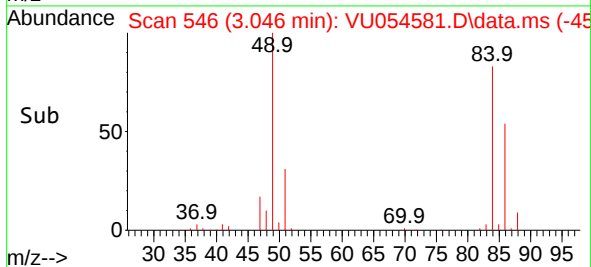
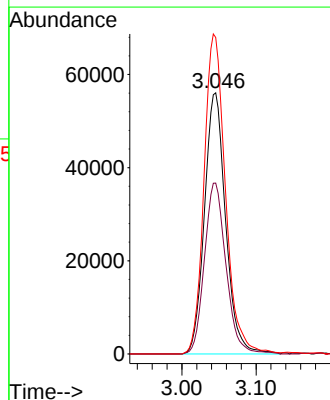
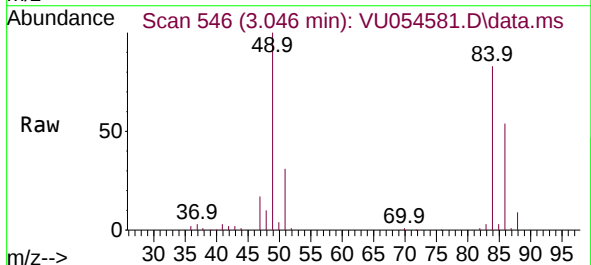
Instrument :
MSVOA_U
ClientSampleId :
DCGZ6MSD

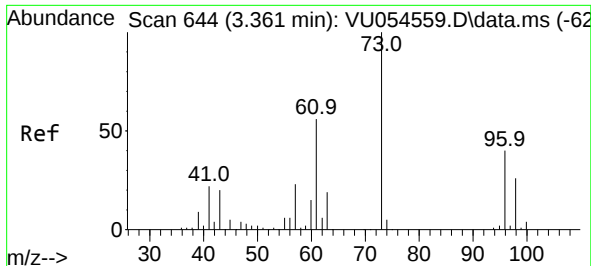
Tgt Ion: 43 Resp: 37117
Ion Ratio Lower Upper
43 100
74 24.9 19.0 28.6



#16
Methylene chloride
Concen: 4.311 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.003 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

Tgt Ion: 84 Resp: 111005
Ion Ratio Lower Upper
84 100
86 65.4 43.9 81.5
49 121.2 86.1 159.9

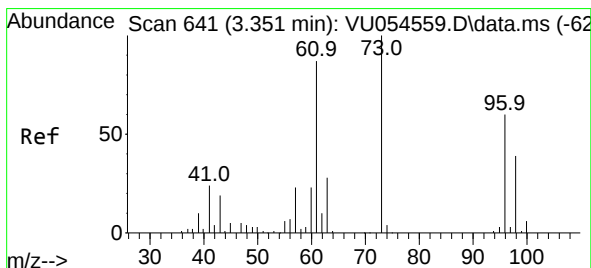
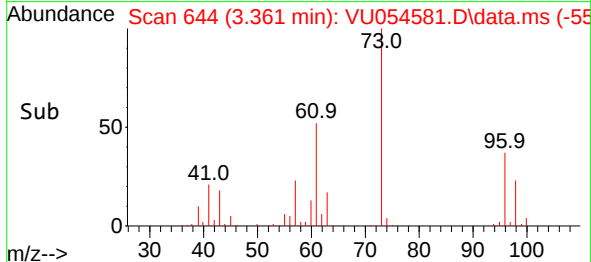
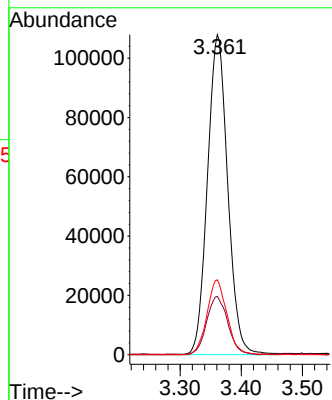
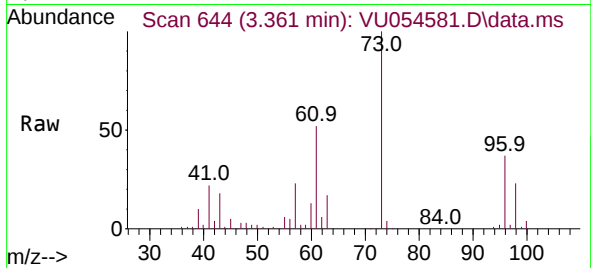




#17
Methyl tert-butyl Ether
Concen: 5.502 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

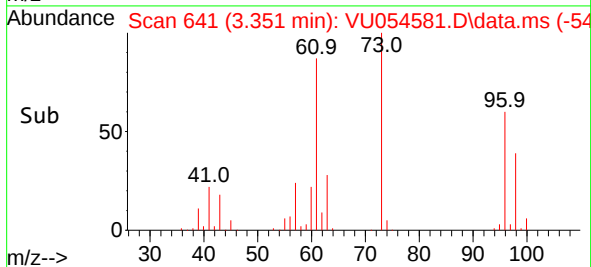
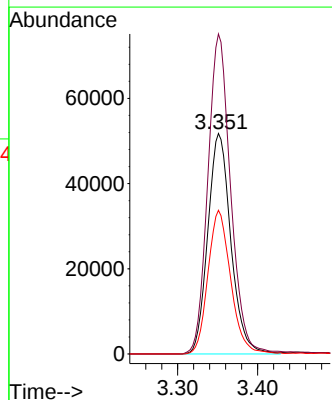
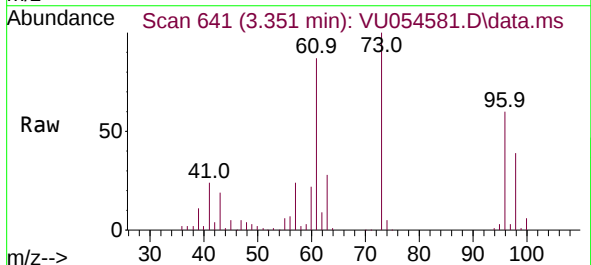
Instrument :
MSVOA_U
ClientSampleId :
DCGZ6MSD

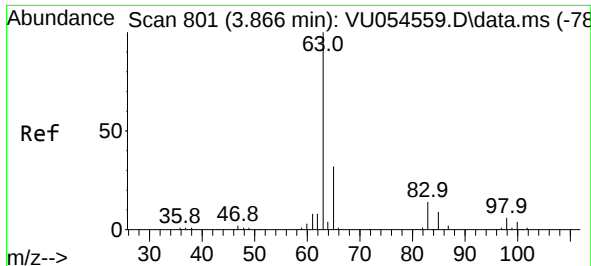
Tgt Ion: 73 Resp: 248694
Ion Ratio Lower Upper
73 100
43 19.0 15.7 23.5
57 23.1 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 5.490 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

Tgt Ion: 96 Resp: 103790
Ion Ratio Lower Upper
96 100
61 145.1 104.6 194.2
98 65.1 45.4 84.4





#19

1,1-Dichloroethane

Concen: 7.710 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

Instrument :

MSVOA_U

ClientSampleId :

DCGZ6MSD

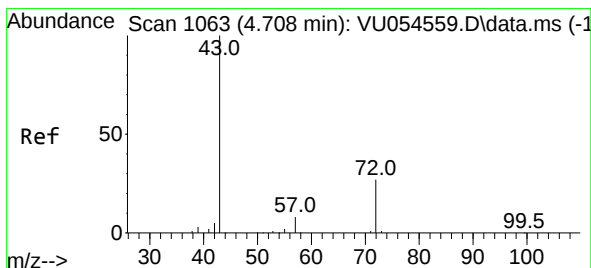
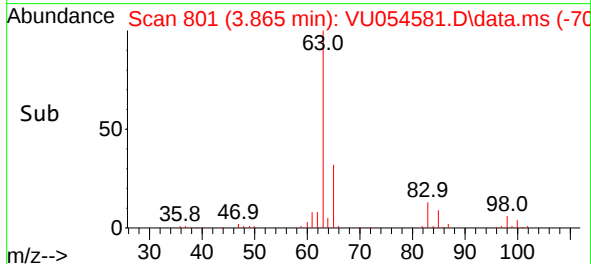
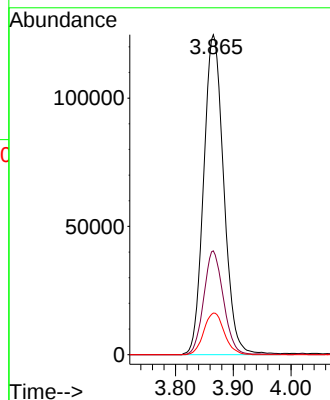
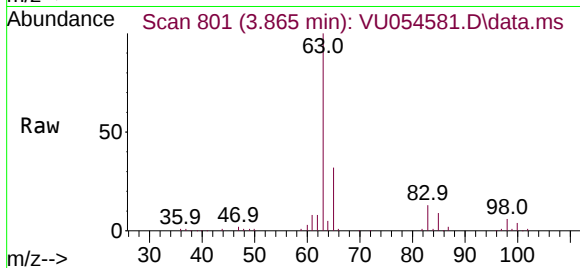
Tgt Ion: 63 Resp: 301664

Ion Ratio Lower Upper

63 100

65 32.4 22.2 41.2

83 13.0 9.0 16.6



#21

2-Butanone

Concen: 47.916 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.003 min

Lab File: VU054581.D

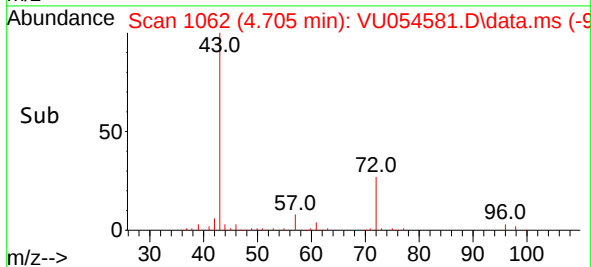
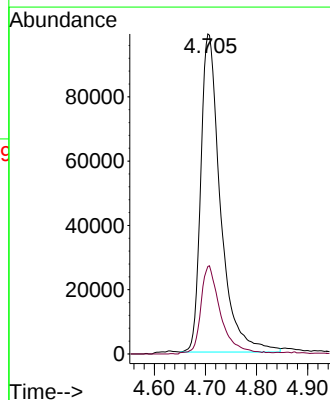
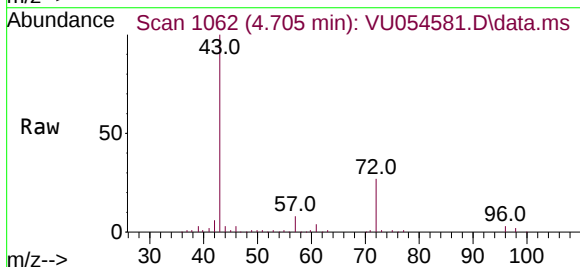
Acq: 16 Jun 2023 18:36

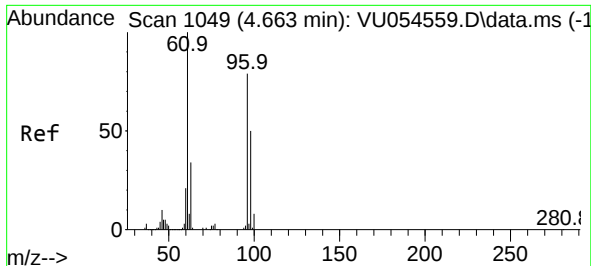
Tgt Ion: 43 Resp: 264871

Ion Ratio Lower Upper

43 100

72 27.8 13.4 40.1

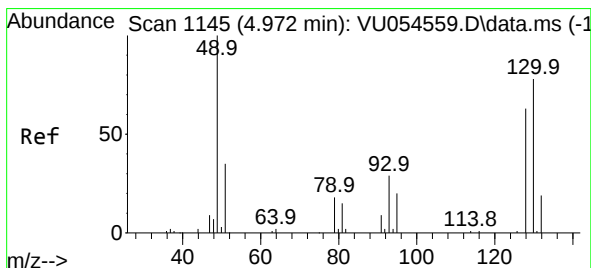
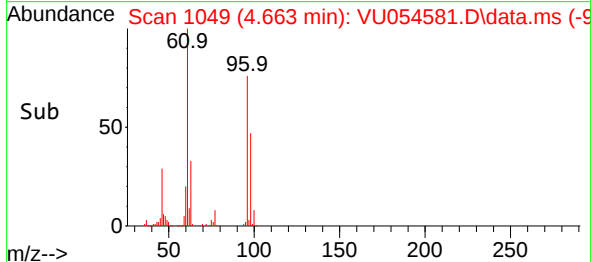
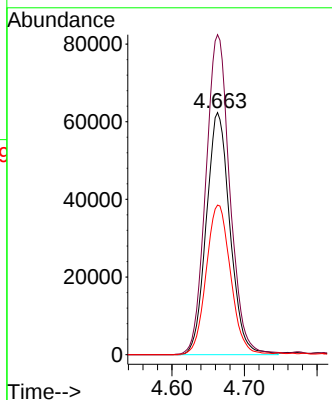
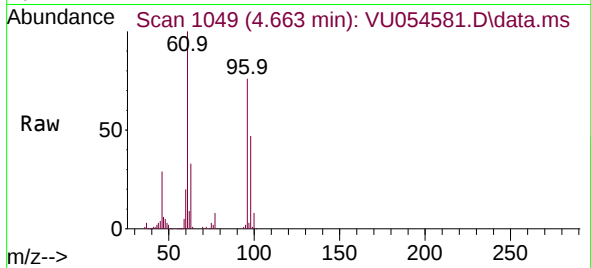




#22
 cis-1,2-Dichloroethene
 Concen: 6.583 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054581.D
 Acq: 16 Jun 2023 18:36

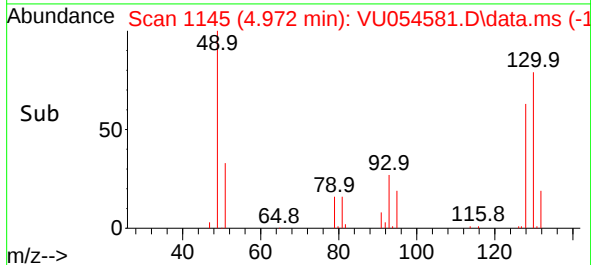
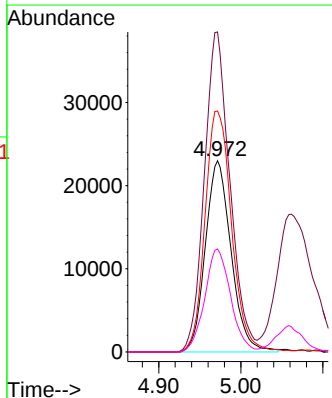
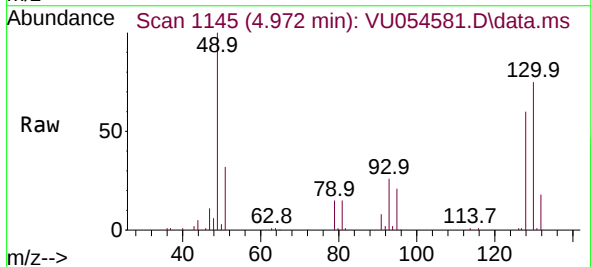
Instrument :
 MSVOA_U
 ClientSampleId :
 DCGZ6MSD

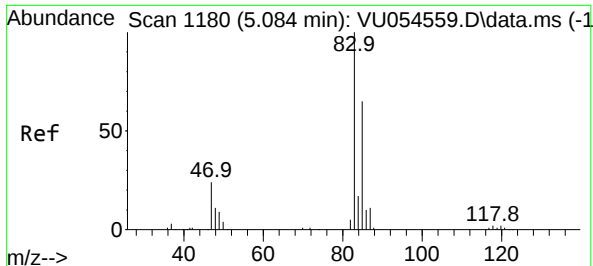
Tgt Ion: 96 Resp: 141739
 Ion Ratio Lower Upper
 96 100
 61 132.2 96.5 179.1
 98 61.8 44.9 83.3



#23
 Bromochloromethane
 Concen: 5.600 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. -0.000 min
 Lab File: VU054581.D
 Acq: 16 Jun 2023 18:36

Tgt Ion: 128 Resp: 50173
 Ion Ratio Lower Upper
 128 100
 49 167.3 132.1 245.3
 130 126.0 91.5 169.9
 51 53.9 46.2 69.4





#25

Chloroform

Concen: 5.580 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

Instrument :

MSVOA_U

ClientSampleId :

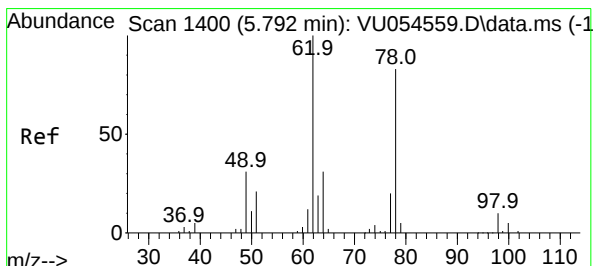
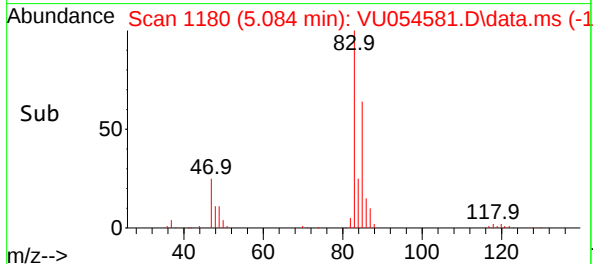
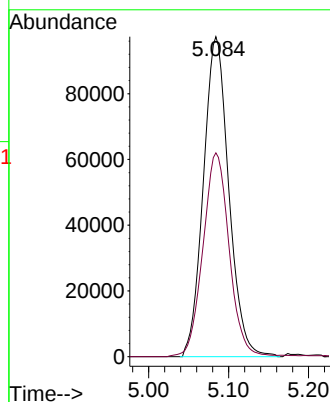
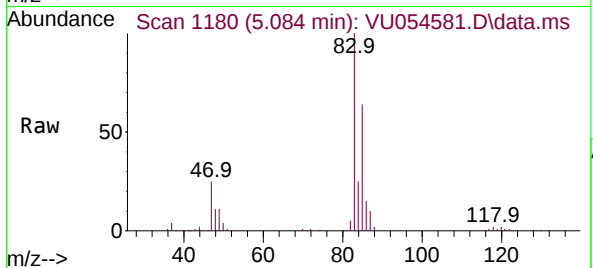
DCGZ6MSD

Tgt Ion: 83 Resp: 215243

Ion Ratio Lower Upper

83 100

85 63.7 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.626 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU054581.D

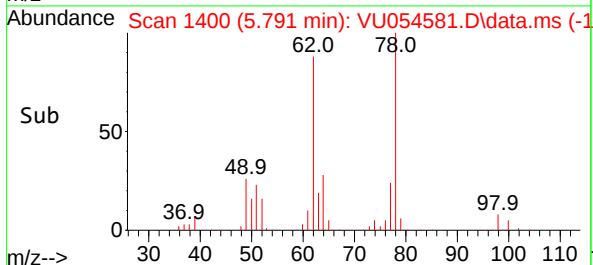
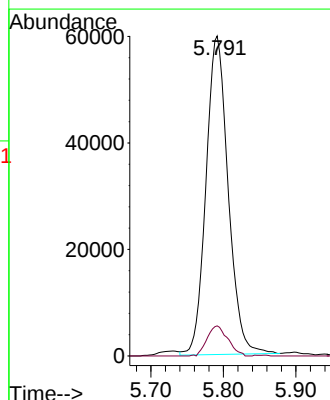
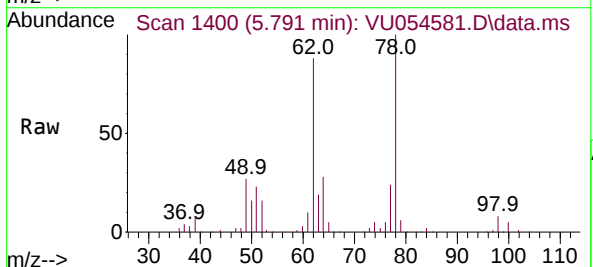
Acq: 16 Jun 2023 18:36

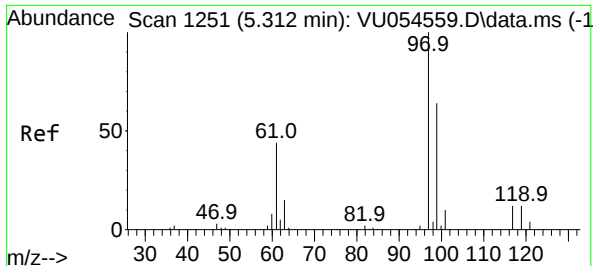
Tgt Ion: 62 Resp: 127205

Ion Ratio Lower Upper

62 100

98 9.4 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 6.314 ug/L

RT: 5.312 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

Instrument :

MSVOA_U

ClientSampleId :

DCGZ6MSD

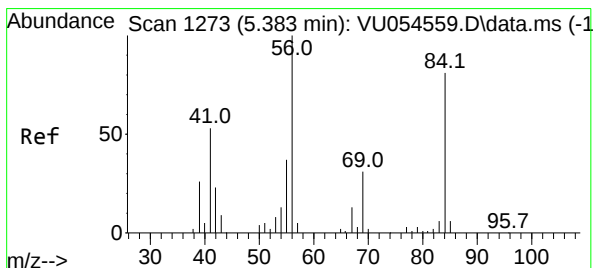
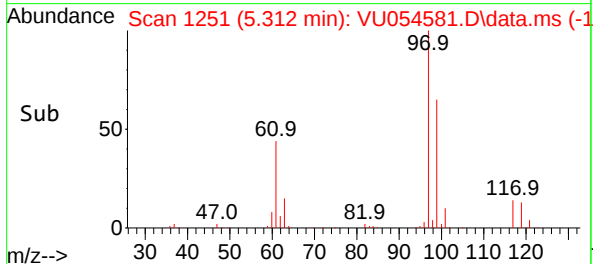
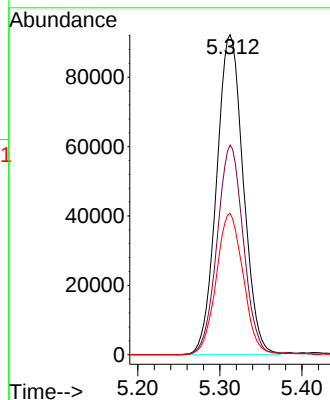
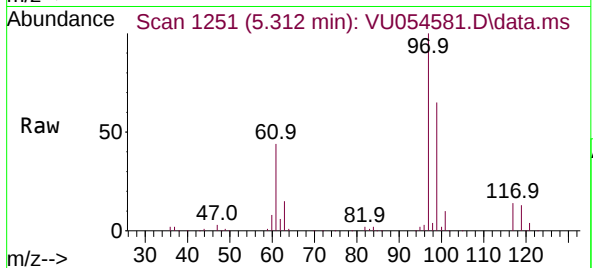
Tgt Ion: 97 Resp: 208984

Ion Ratio Lower Upper

97 100

99 64.5 50.8 76.2

61 44.6 36.1 54.1



#30

Cyclohexane

Concen: 4.710 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.003 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

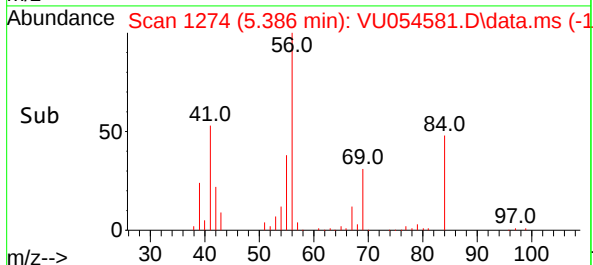
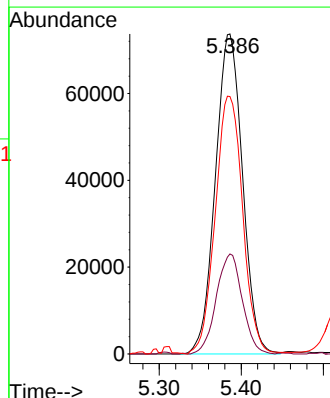
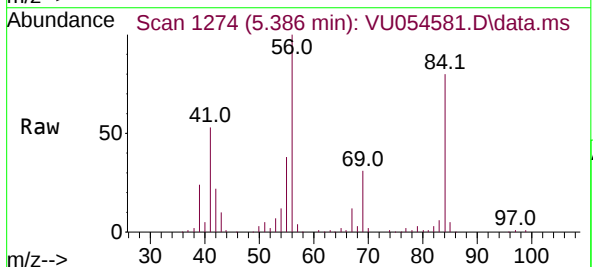
Tgt Ion: 56 Resp: 169788

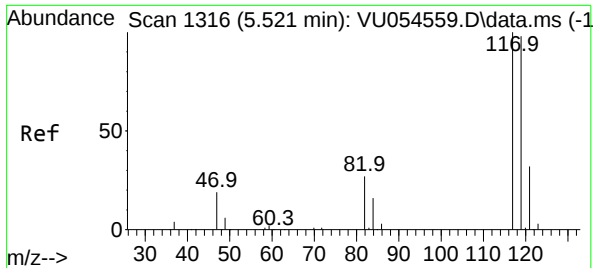
Ion Ratio Lower Upper

56 100

69 29.9 23.9 35.9

84 81.5 63.0 94.6

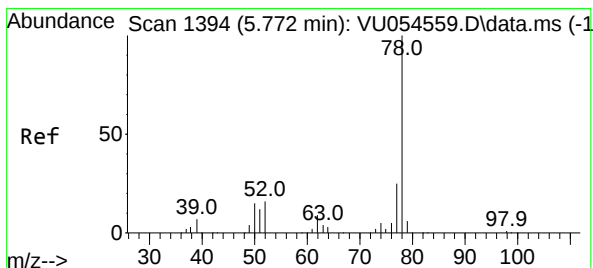
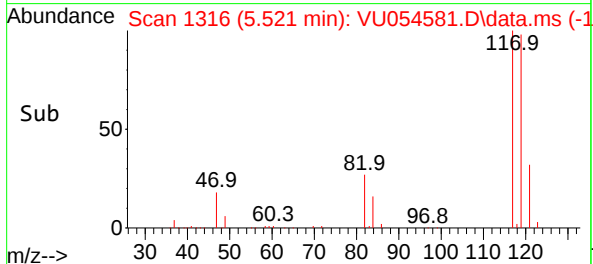
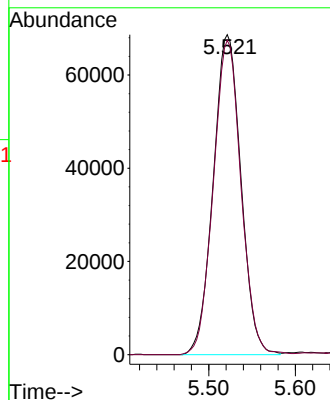
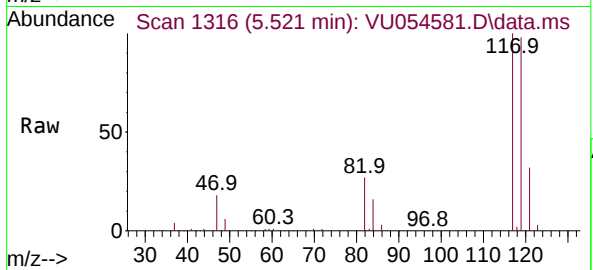




#31
Carbon tetrachloride
Concen: 5.353 ug/L
RT: 5.521 min Scan# 111
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

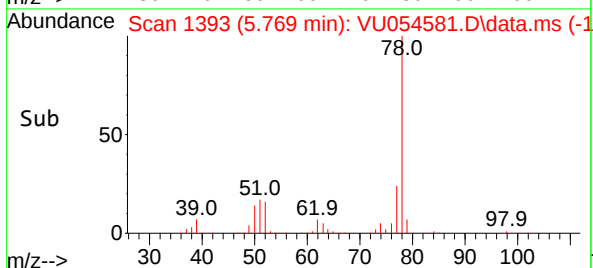
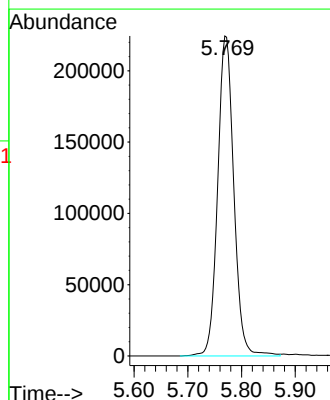
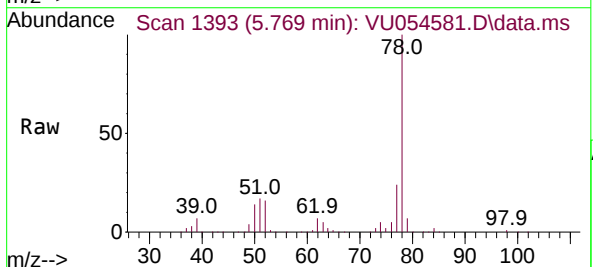
Instrument :
MSVOA_U
ClientSampleId :
DCGZ6MSD

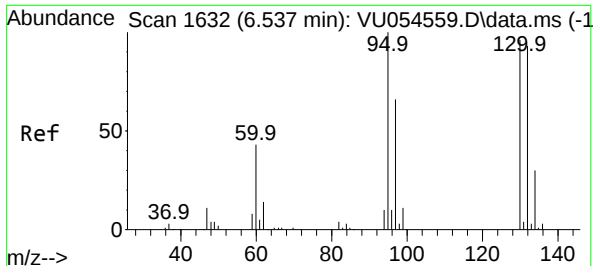
Tgt Ion:117 Resp: 152674
Ion Ratio Lower Upper
117 100
119 97.9 76.8 115.2



#33
Benzene
Concen: 5.337 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

Tgt Ion: 78 Resp: 468178

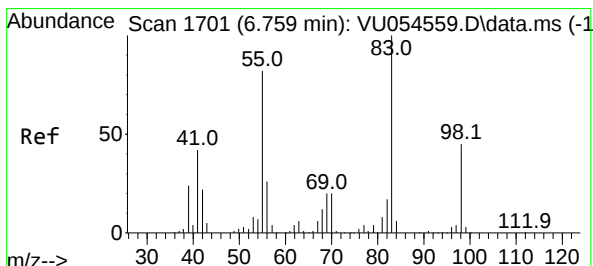
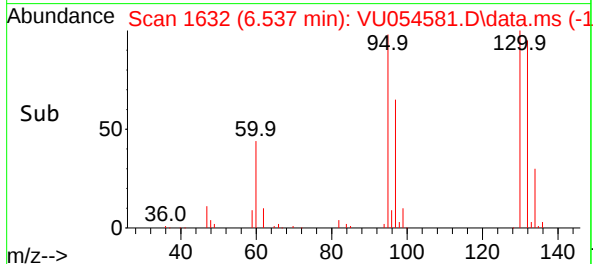
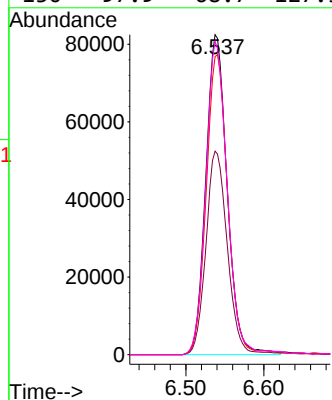
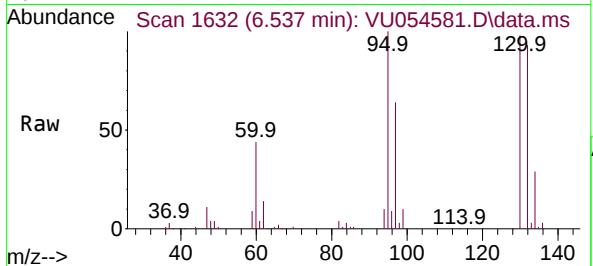




#34
Trichloroethene
Concen: 6.773 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

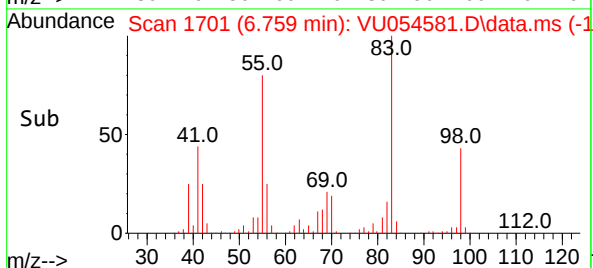
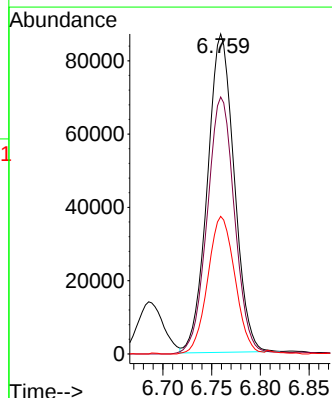
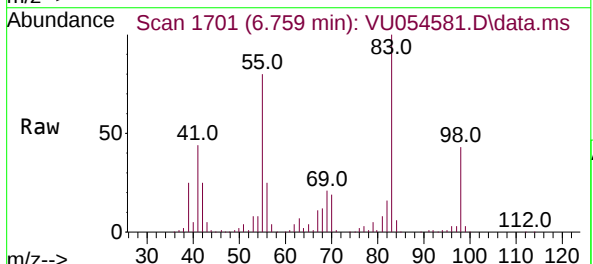
Instrument :
MSVOA_U
ClientSampleId :
DCGZ6MSD

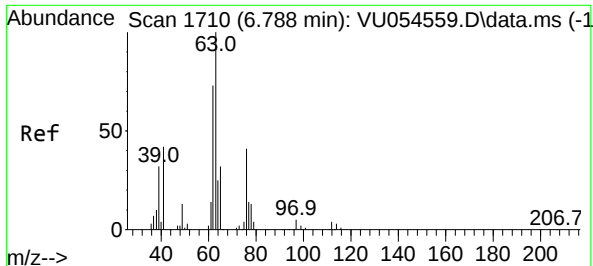
Tgt Ion: 95 Resp: 157117
Ion Ratio Lower Upper
95 100
97 63.6 46.8 87.0
132 93.2 68.4 127.0
130 97.9 68.7 127.5



#35
Methylcyclohexane
Concen: 4.751 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

Tgt Ion: 83 Resp: 166564
Ion Ratio Lower Upper
83 100
55 82.6 67.1 100.7
98 43.8 35.1 52.7





#37

1,2-Dichloropropane

Concen: 5.279 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

Instrument :

MSVOA_U

ClientSampleId :

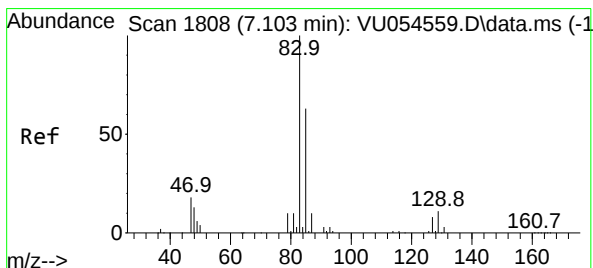
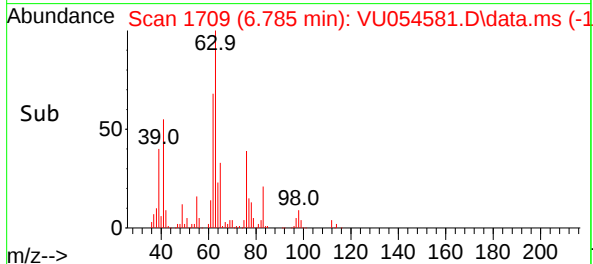
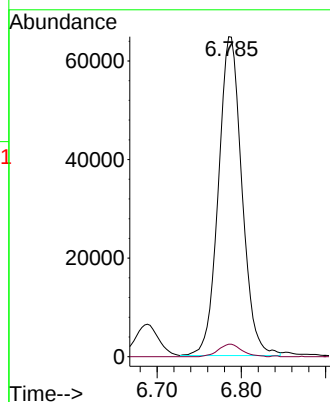
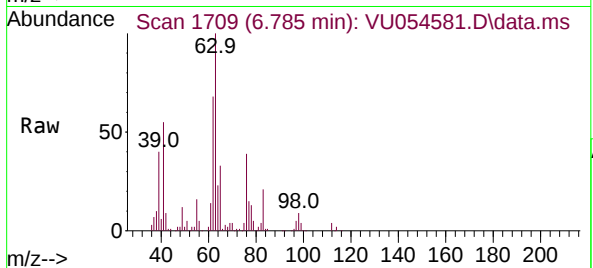
DCGZ6MSD

Tgt Ion: 63 Resp: 125201

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.6



#38

Bromodichloromethane

Concen: 5.524 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

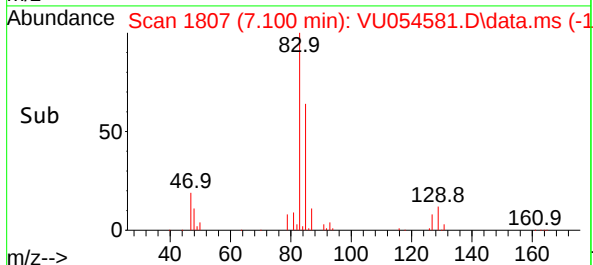
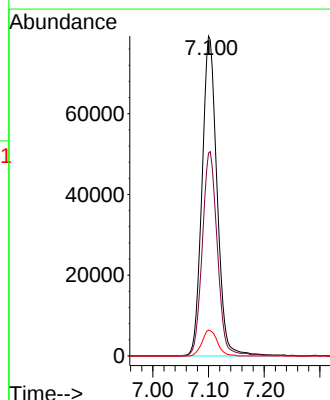
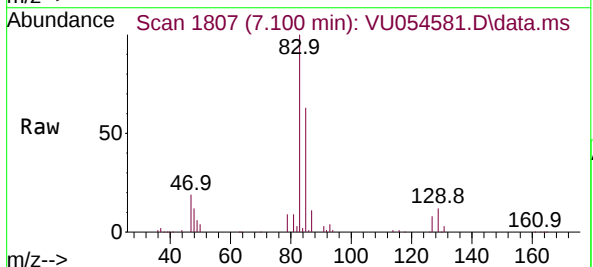
Tgt Ion: 83 Resp: 148309

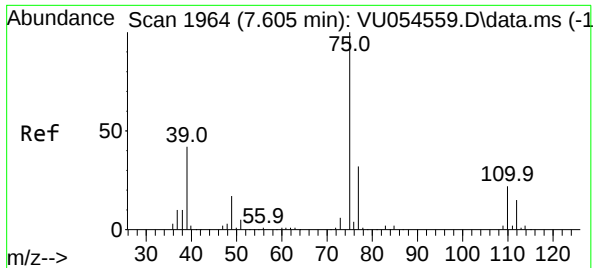
Ion Ratio Lower Upper

83 100

85 63.4 44.1 81.9

127 8.1 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.250 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

Instrument :

MSVOA_U

ClientSampleId :

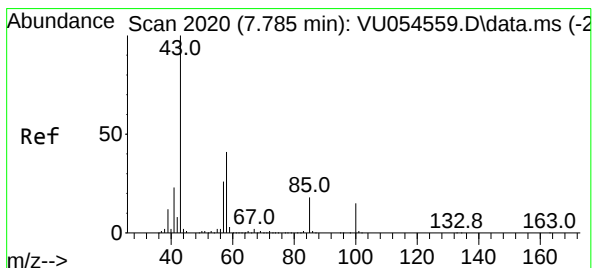
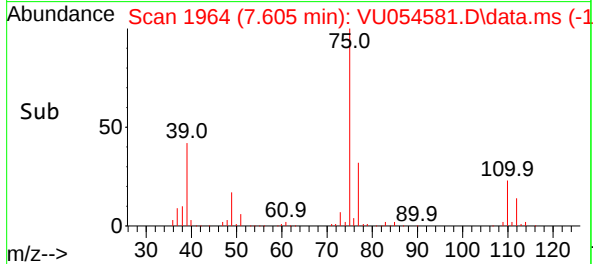
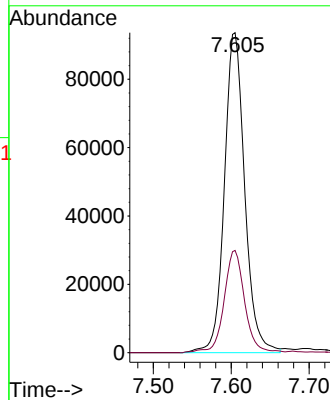
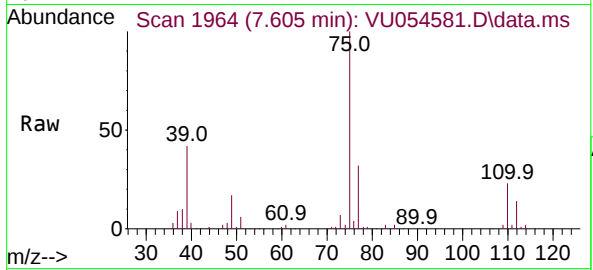
DCGZ6MSD

Tgt Ion: 75 Resp: 169995

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 51.326 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

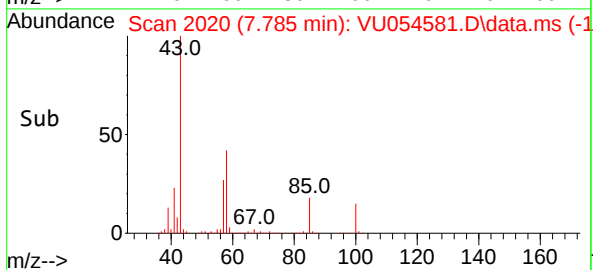
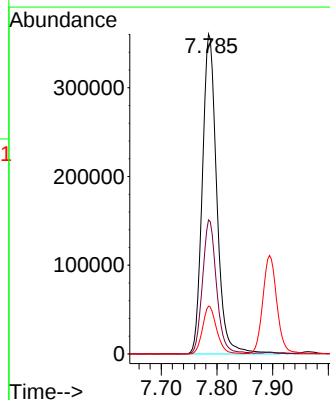
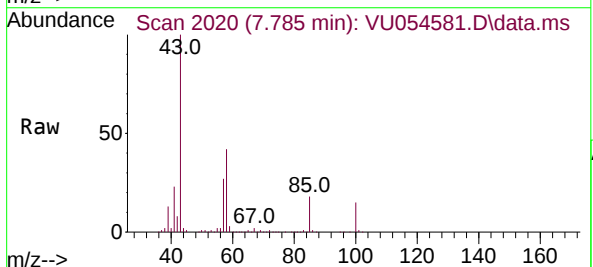
Tgt Ion: 43 Resp: 649637

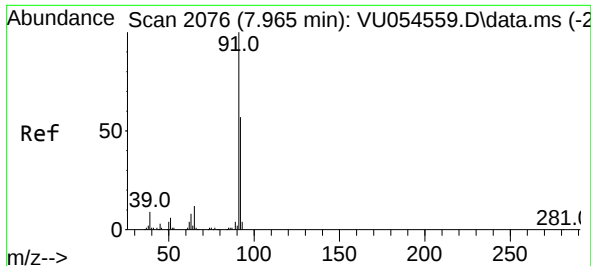
Ion Ratio Lower Upper

43 100

58 41.0 32.4 48.6

100 14.6 11.4 17.2





#42

Toluene

Concen: 5.457 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

Instrument :

MSVOA_U

ClientSampleId :

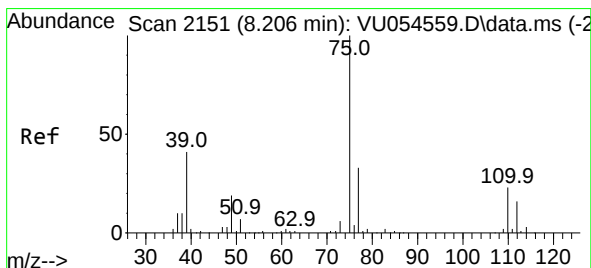
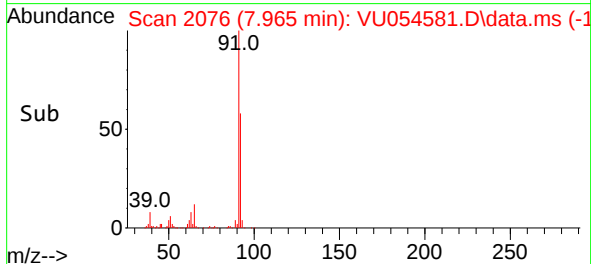
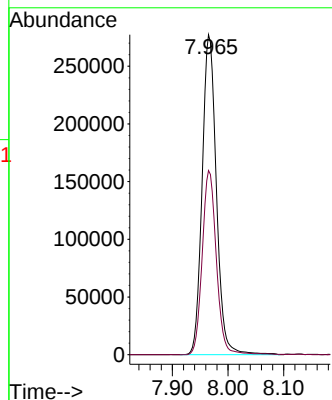
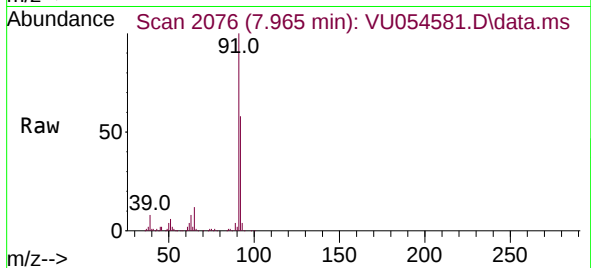
DCGZ6MSD

Tgt Ion: 91 Resp: 492922

Ion Ratio Lower Upper

91 100

92 57.5 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.401 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054581.D

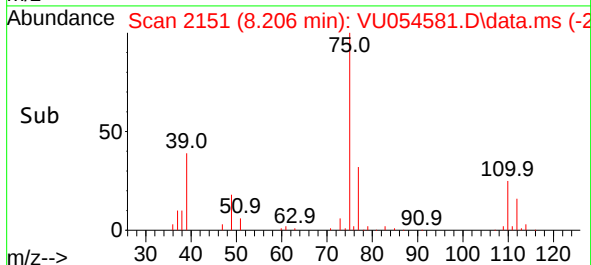
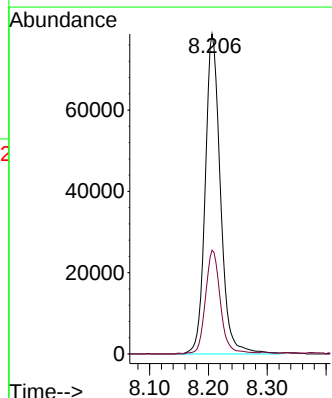
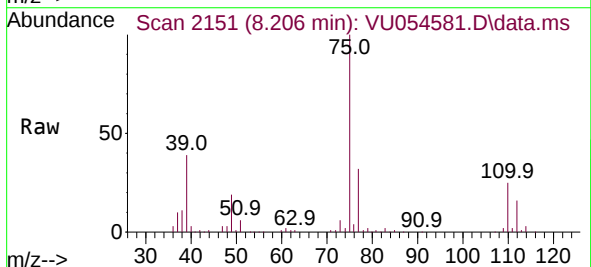
Acq: 16 Jun 2023 18:36

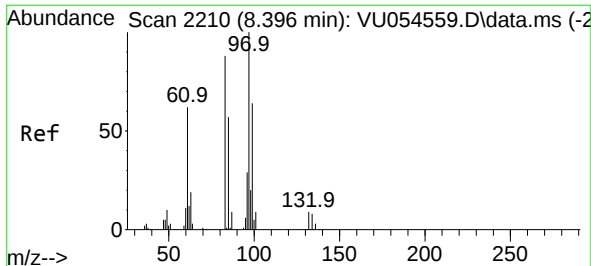
Tgt Ion: 75 Resp: 141922

Ion Ratio Lower Upper

75 100

77 32.4 21.3 39.6

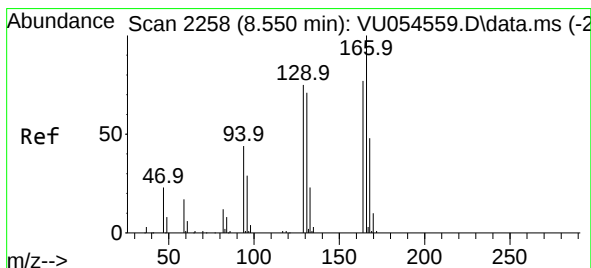
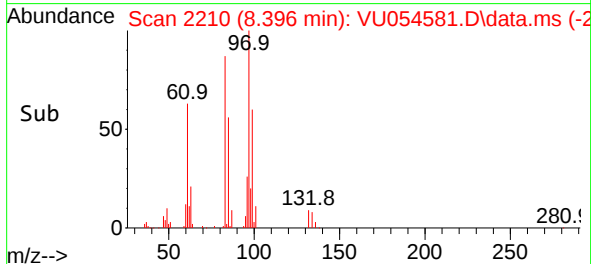
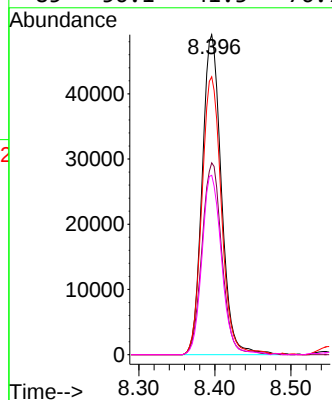
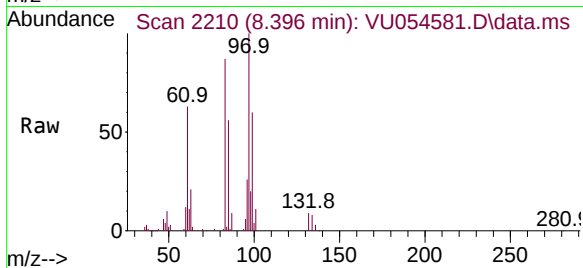




#45
1,1,2-Trichloroethane
Concen: 5.693 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

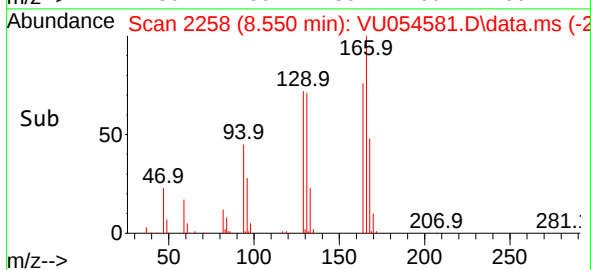
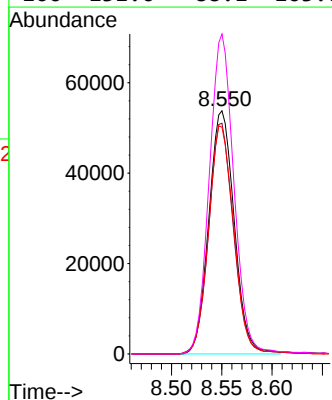
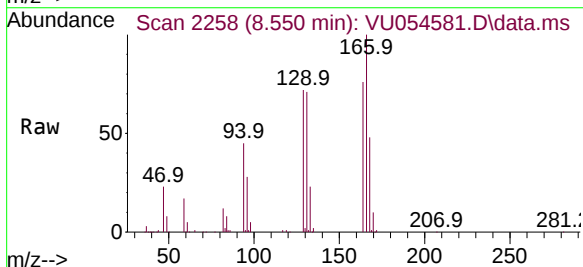
Instrument :
MSVOA_U
ClientSampleId :
DCGZ6MSD

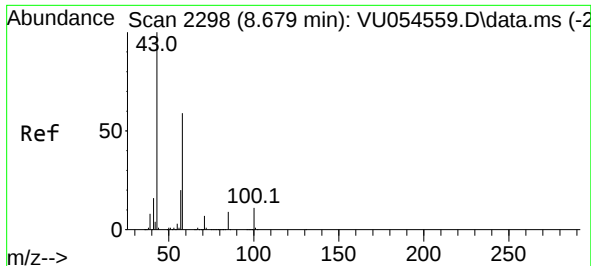
Tgt Ion:	97	Resp:	85899
Ion	Ratio	Lower	Upper
97	100		
99	59.9	43.0	80.0
83	86.9	63.8	118.6
85	56.1	41.3	76.7



#47
Tetrachloroethene
Concen: 5.323 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

Tgt Ion:	164	Resp:	94520
Ion	Ratio	Lower	Upper
164	100		
129	94.9	67.7	125.7
131	93.3	64.6	120.0
166	131.6	88.1	163.7



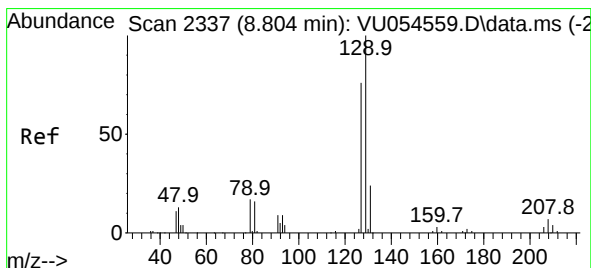
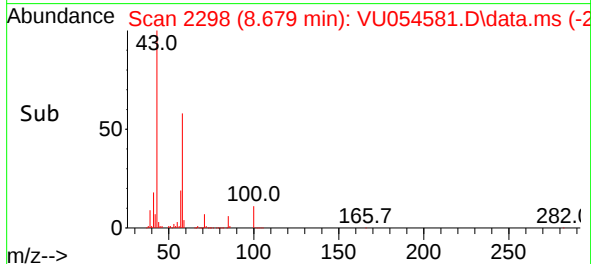
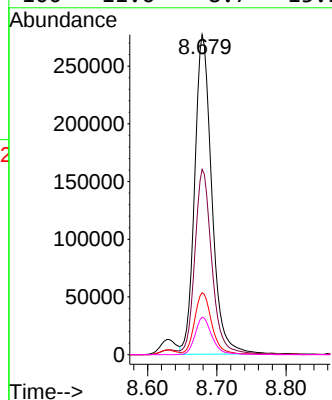
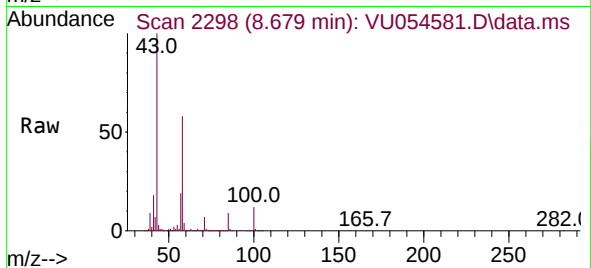


#48
2-Hexanone
Concen: 50.606 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

Instrument :
MSVOA_U
ClientSampleId :
DCGZ6MSD

Tgt Ion: 43 Resp: 477256

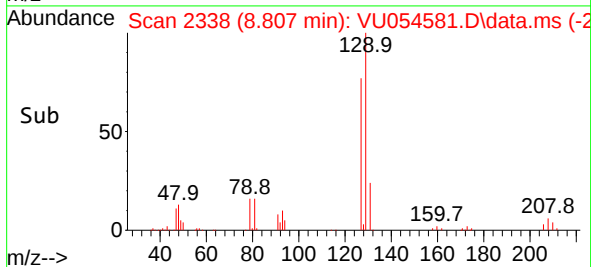
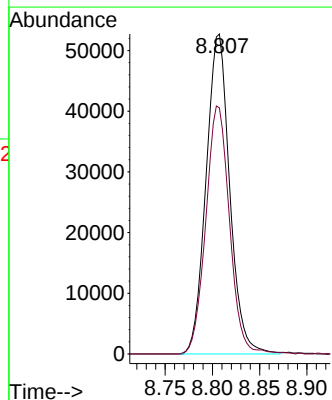
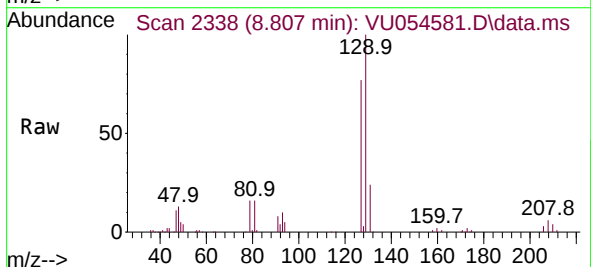
Ion	Ratio	Lower	Upper
43	100		
58	57.1	45.2	67.8
57	19.1	15.8	23.6
100	11.6	8.7	13.1

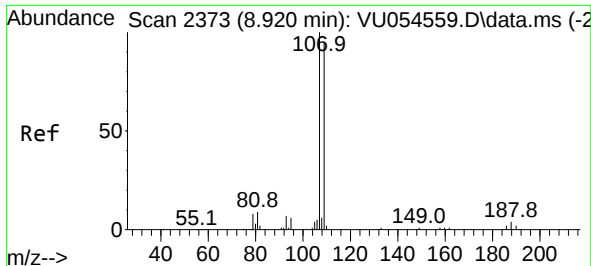


#49
Dibromochloromethane
Concen: 5.787 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

Tgt Ion: 129 Resp: 91677

Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.2	98.8





#50

1,2-Dibromoethane

Concen: 5.505 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

Instrument :

MSVOA_U

ClientSampleId :

DCGZ6MSD

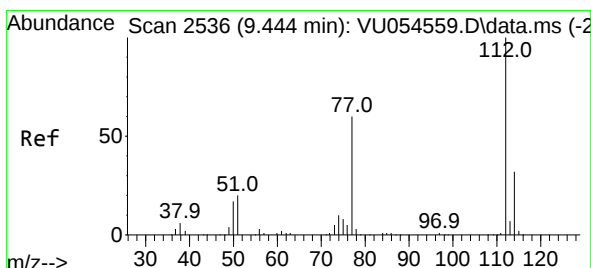
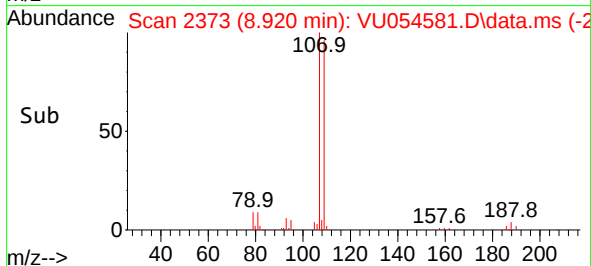
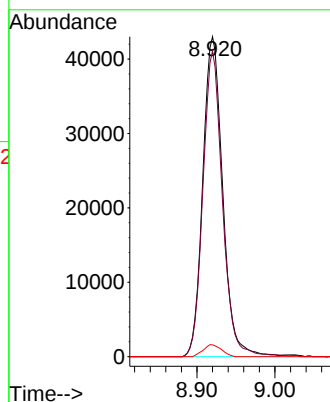
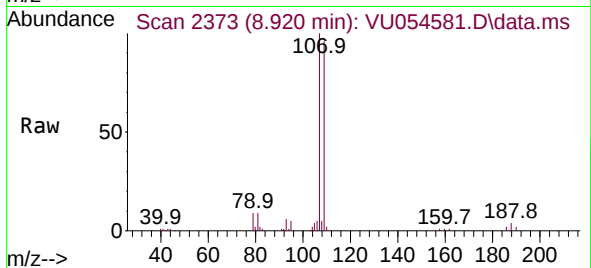
Tgt Ion:107 Resp: 76255

Ion Ratio Lower Upper

107 100

109 95.6 66.6 123.6

188 3.7 3.1 4.7



#51

Chlorobenzene

Concen: 5.447 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

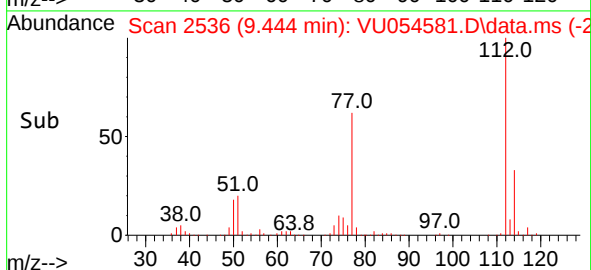
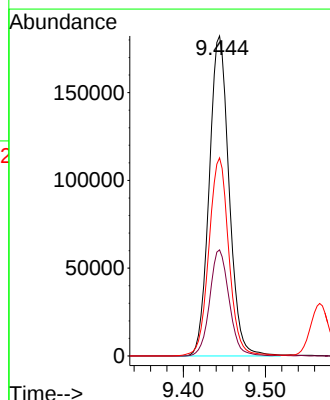
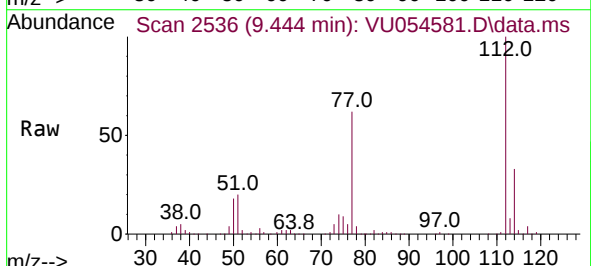
Tgt Ion:112 Resp: 306732

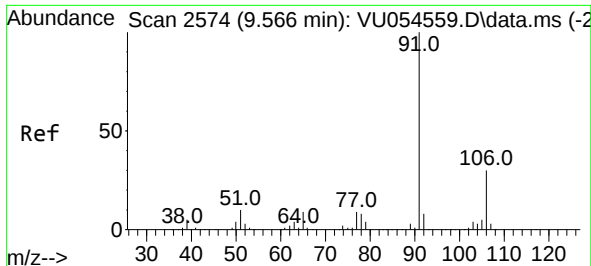
Ion Ratio Lower Upper

112 100

114 33.1 22.7 42.1

77 61.9 49.8 74.8

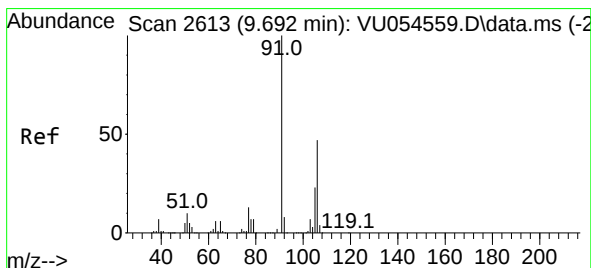
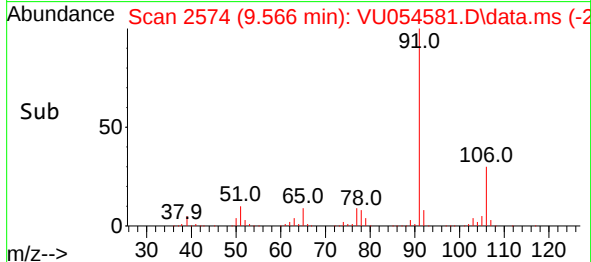
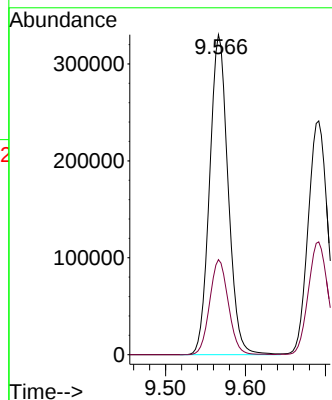
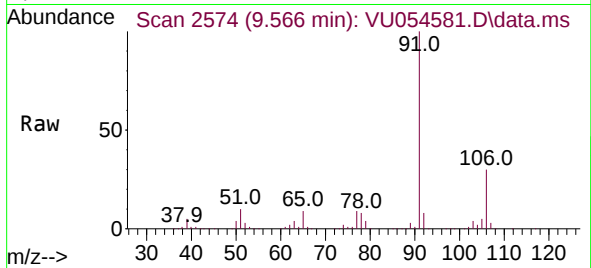




#52
Ethylbenzene
Concen: 5.370 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

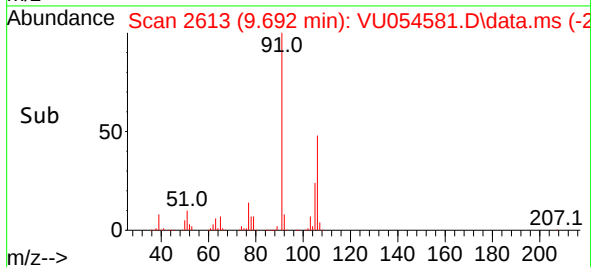
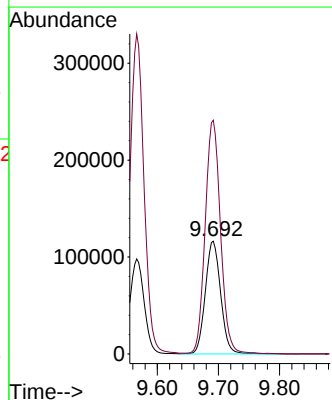
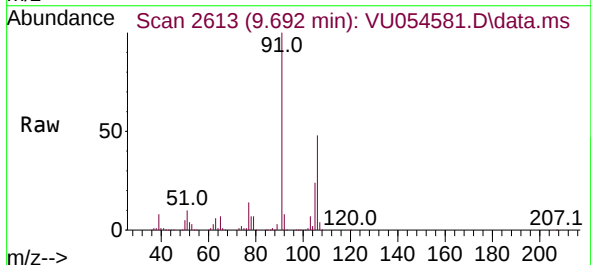
Instrument :
MSVOA_U
ClientSampleId :
DCGZ6MSD

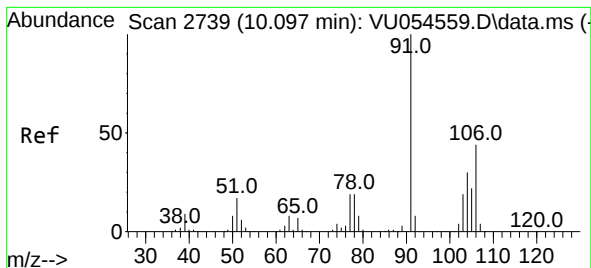
Tgt Ion: 91 Resp: 529789
Ion Ratio Lower Upper
91 100
106 29.7 21.1 39.3



#53
m,p-Xylene
Concen: 5.592 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

Tgt Ion: 106 Resp: 202684
Ion Ratio Lower Upper
106 100
91 207.4 147.0 273.0





#54

o-Xylene

Concen: 5.541 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

Instrument :

MSVOA_U

ClientSampleId :

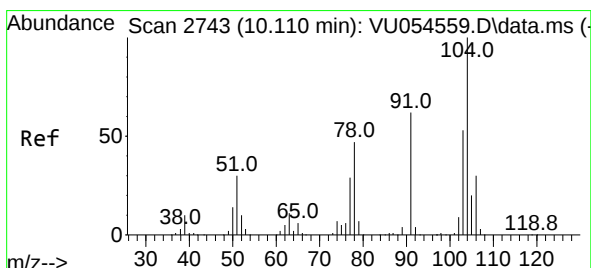
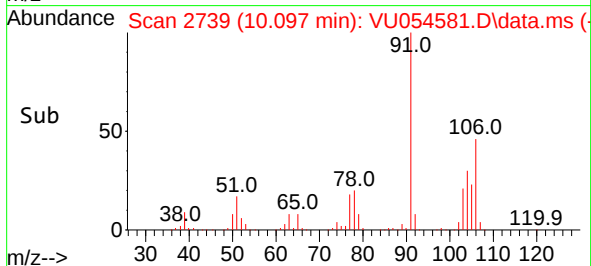
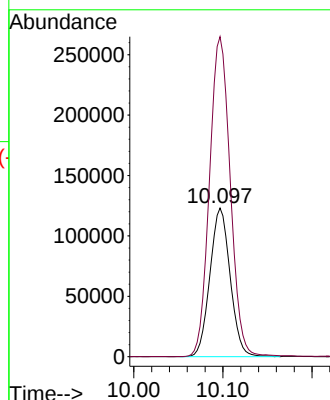
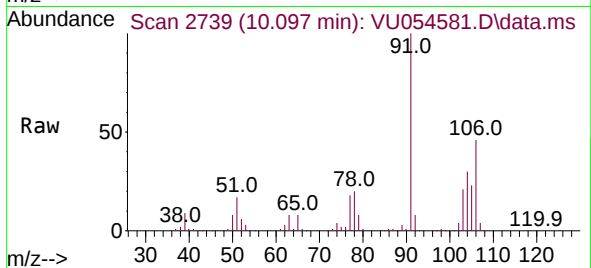
DCGZ6MSD

Tgt Ion:106 Resp: 194189

Ion Ratio Lower Upper

106 100

91 215.2 154.5 286.9



#55

Styrene

Concen: 5.608 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU054581.D

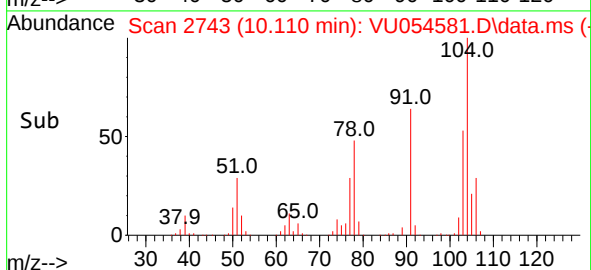
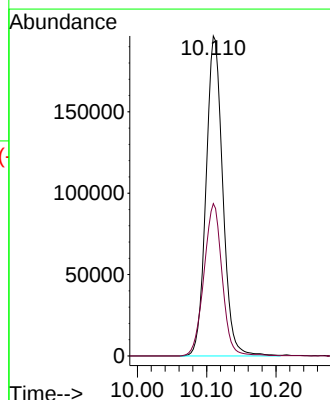
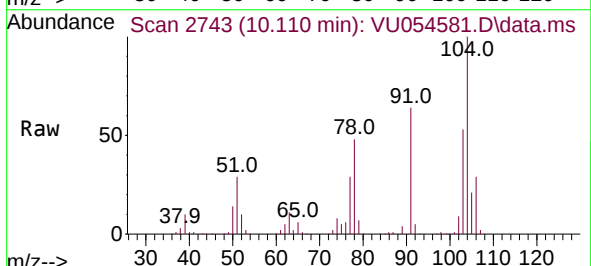
Acq: 16 Jun 2023 18:36

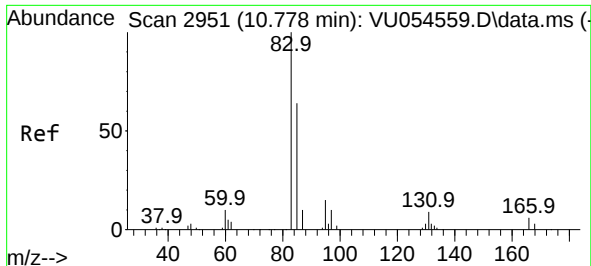
Tgt Ion:104 Resp: 329895

Ion Ratio Lower Upper

104 100

78 47.6 33.0 61.4

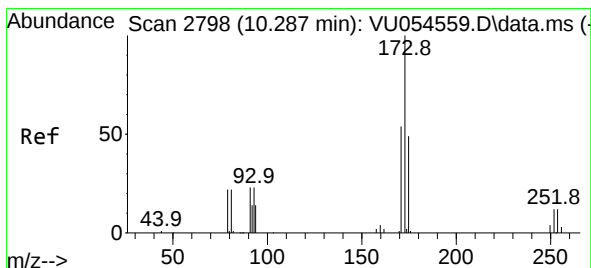
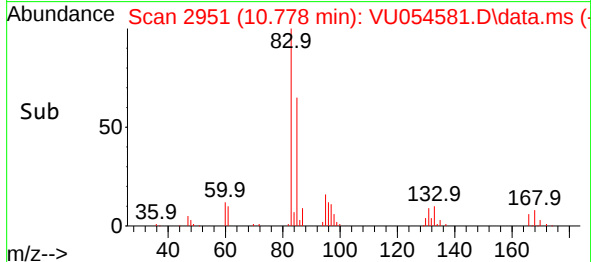
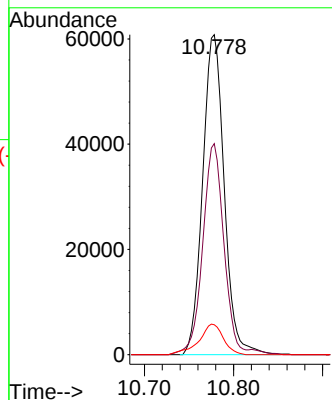
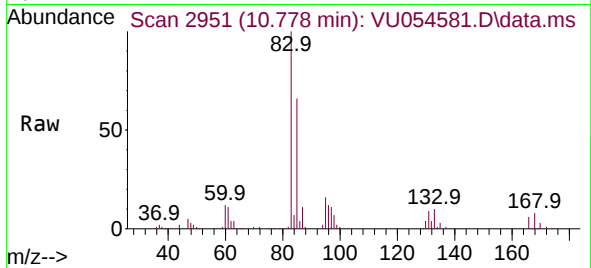




#57
1,1,2,2-Tetrachloroethane
Concen: 5.325 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

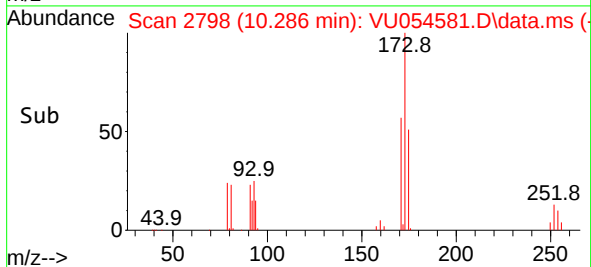
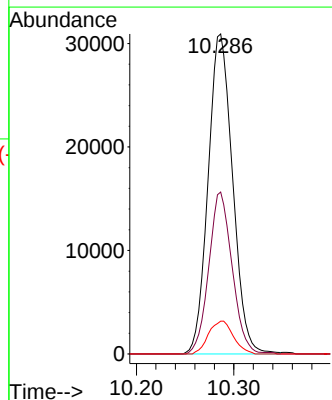
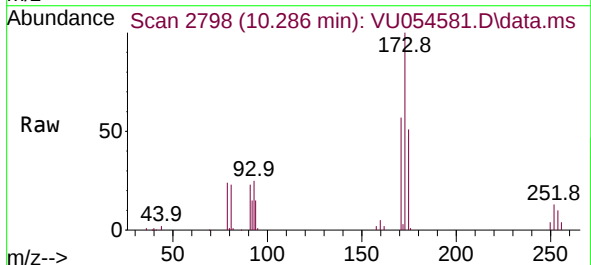
Instrument :
MSVOA_U
ClientSampleId :
DCGZ6MSD

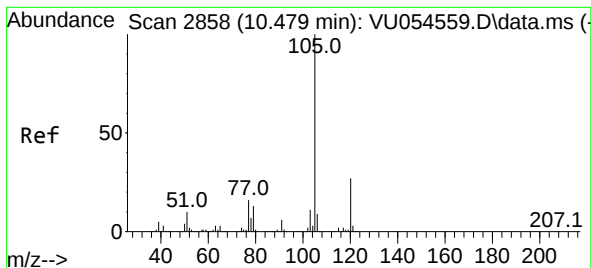
Tgt Ion: 83 Resp: 102061
Ion Ratio Lower Upper
83 100
85 66.0 44.2 82.2
131 9.4 7.0 10.6



#59
Bromoform
Concen: 5.713 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

Tgt Ion:173 Resp: 54037
Ion Ratio Lower Upper
173 100
175 48.2 39.4 59.0
254 10.4 8.6 12.8





#60

Isopropylbenzene

Concen: 5.543 ug/L

RT: 10.479 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

Instrument :

MSVOA_U

ClientSampleId :

DCGZ6MSD

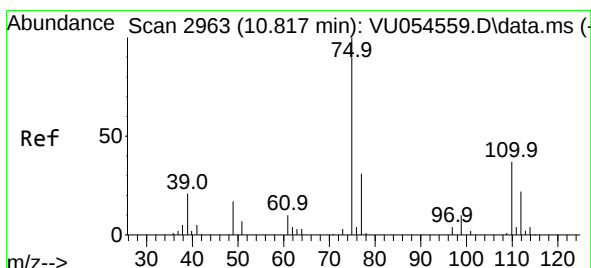
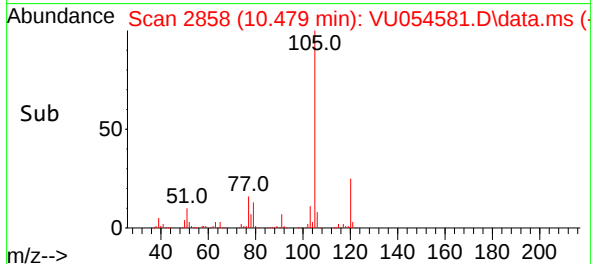
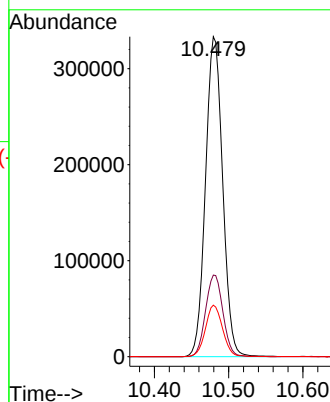
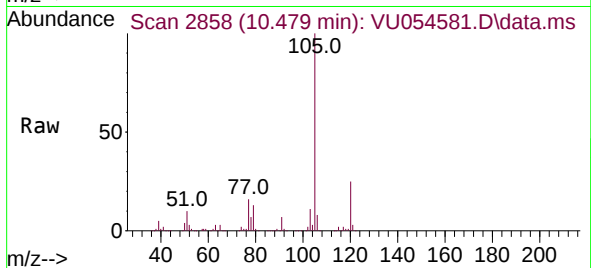
Tgt Ion:105 Resp: 534289

Ion Ratio Lower Upper

105 100

120 25.8 20.9 31.3

77 16.1 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.290 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

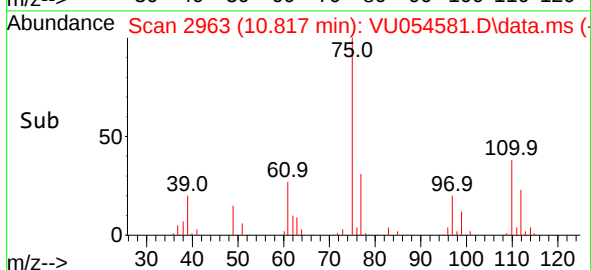
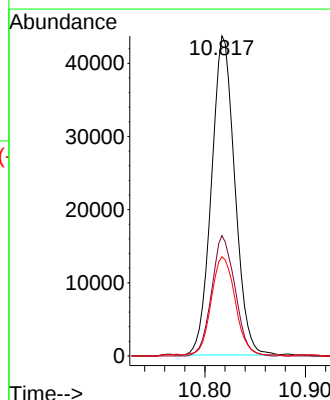
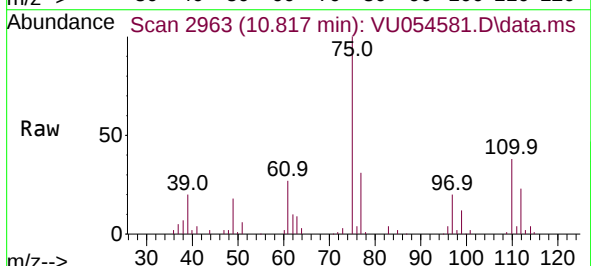
Tgt Ion: 75 Resp: 70443

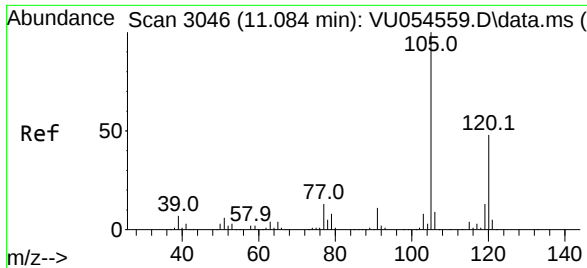
Ion Ratio Lower Upper

75 100

110 37.7 28.0 42.0

77 31.2 25.4 38.2

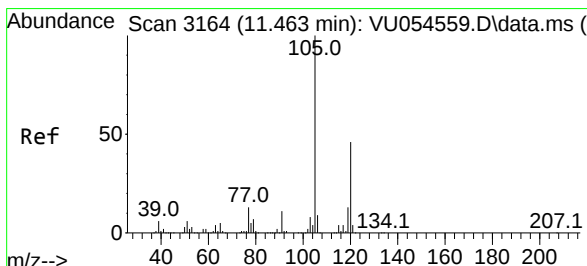
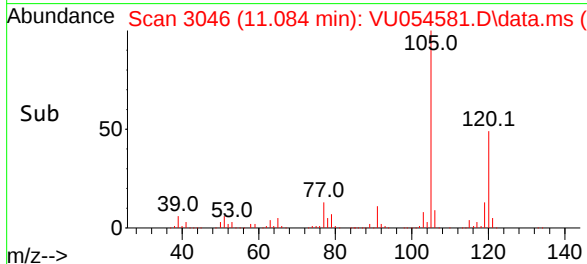
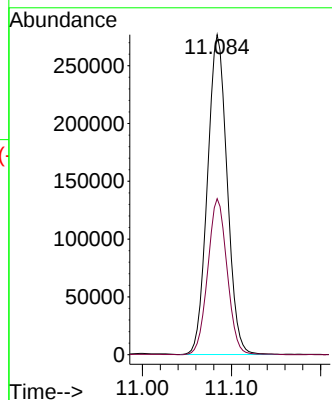
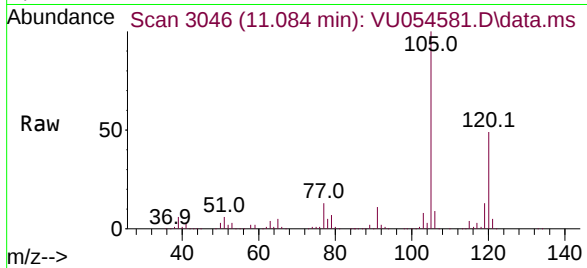




#62
 1,3,5-Trimethylbenzene
 Concen: 5.387 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. -0.000 min
 Lab File: VU054581.D
 Acq: 16 Jun 2023 18:36

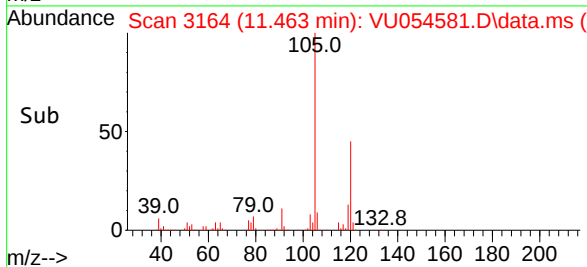
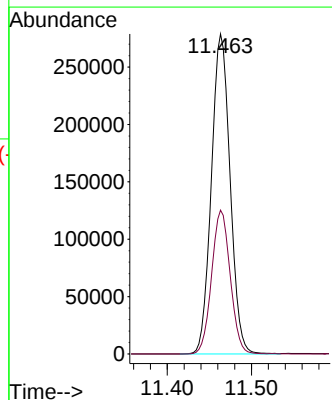
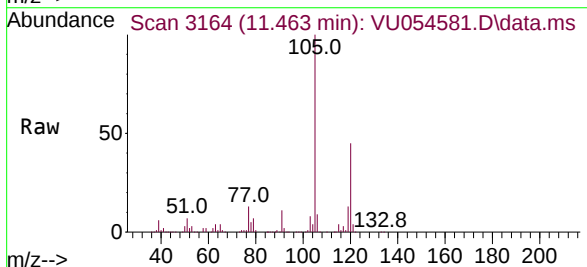
Instrument :
 MSVOA_U
 ClientSampleId :
 DCGZ6MSD

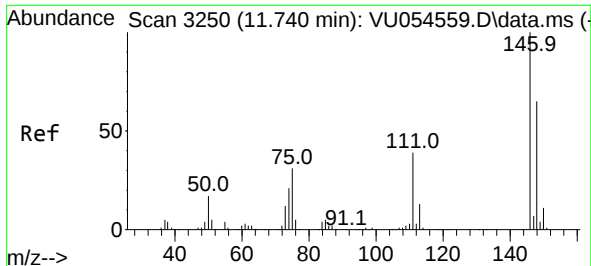
Tgt Ion:105 Resp: 423655
 Ion Ratio Lower Upper
 105 100
 120 48.0 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 5.387 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VU054581.D
 Acq: 16 Jun 2023 18:36

Tgt Ion:105 Resp: 430268
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.4 53.0

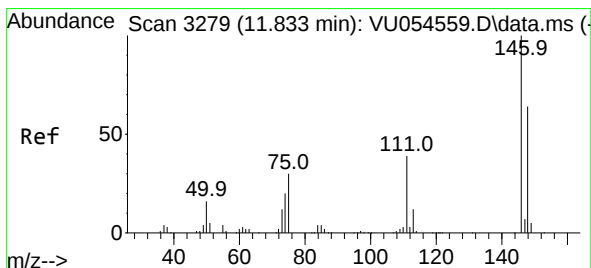
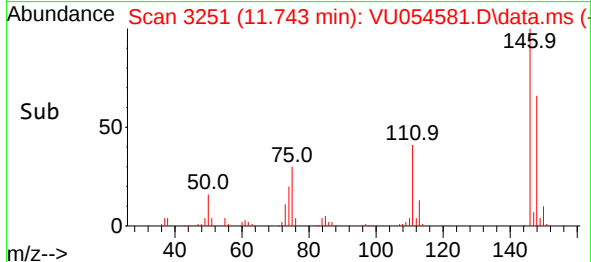
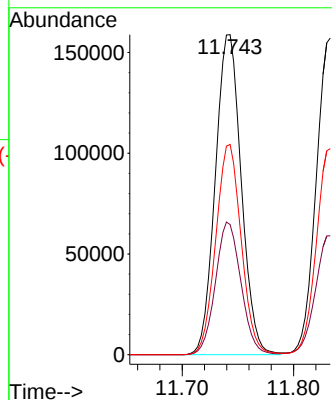
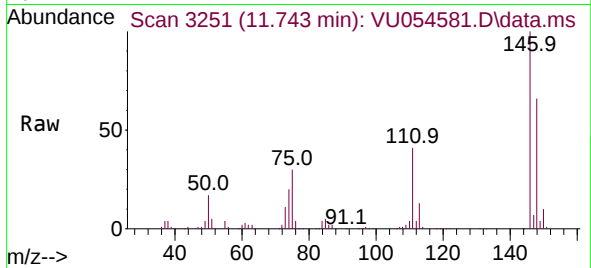




#64
1,3-Dichlorobenzene
Concen: 5.709 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

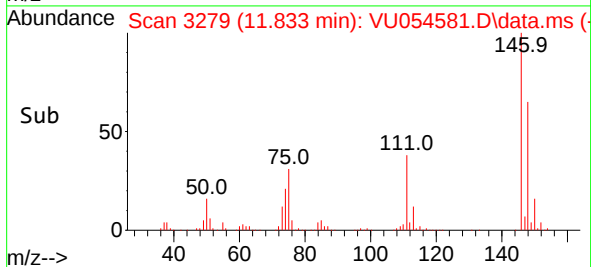
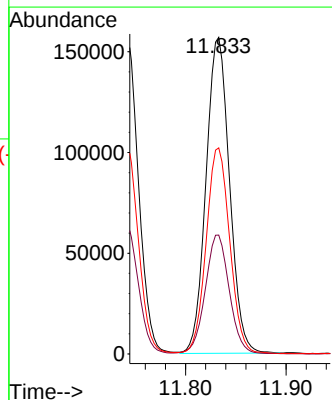
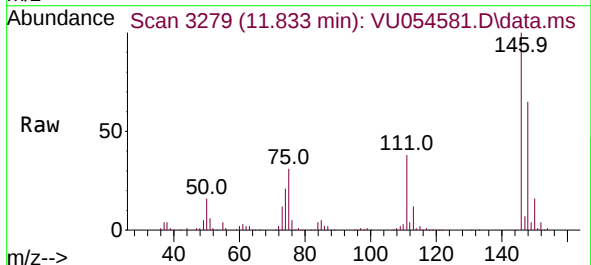
Instrument :
MSVOA_U
ClientSampleId :
DCGZ6MSD

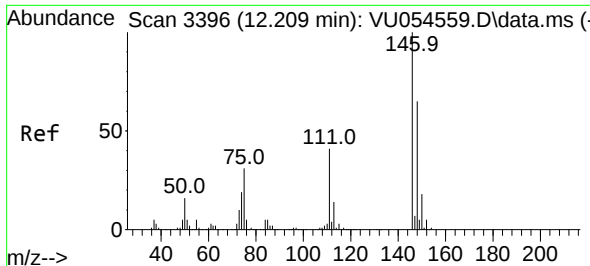
Tgt Ion:146 Resp: 257208
Ion Ratio Lower Upper
146 100
111 40.7 28.9 53.7
148 65.7 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.638 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU054581.D
Acq: 16 Jun 2023 18:36

Tgt Ion:146 Resp: 254937
Ion Ratio Lower Upper
146 100
111 37.6 28.0 52.0
148 65.1 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.676 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

Instrument :

MSVOA_U

ClientSampleId :

DCGZ6MSD

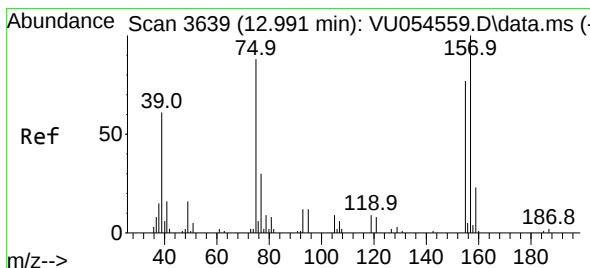
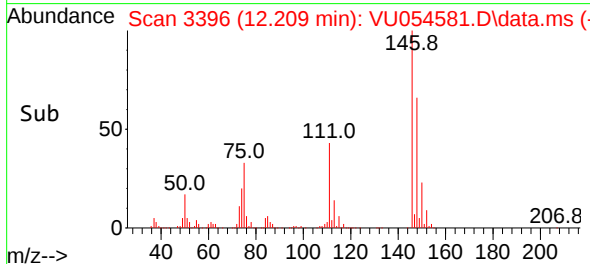
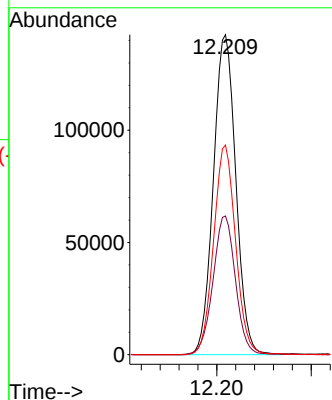
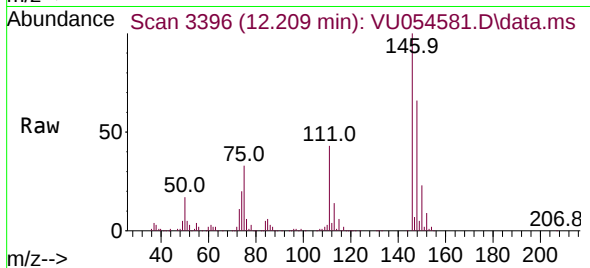
Tgt Ion:146 Resp: 235217

Ion Ratio Lower Upper

146 100

111 43.4 34.5 51.7

148 65.5 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.416 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

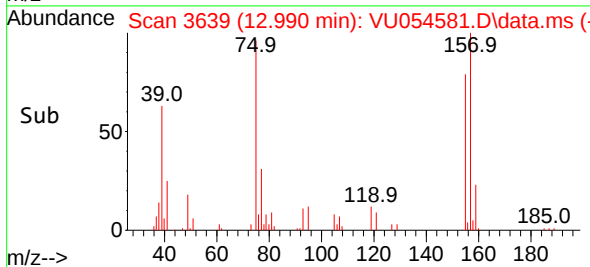
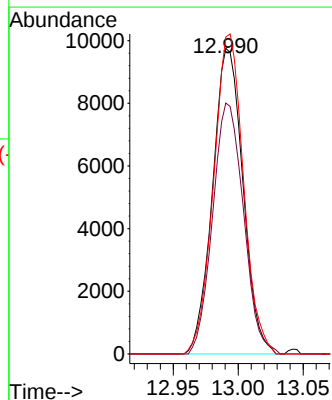
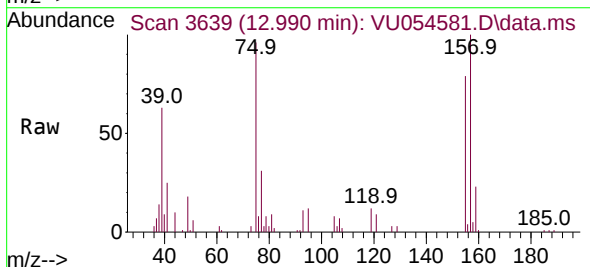
Tgt Ion: 75 Resp: 15849

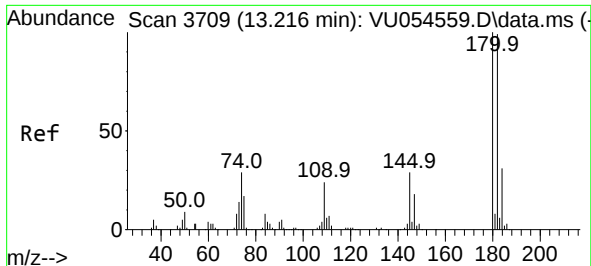
Ion Ratio Lower Upper

75 100

155 82.1 65.7 98.5

157 103.7 84.2 126.2





#69

1,3,5-Trichlorobenzene

Concen: 5.741 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

Instrument :

MSVOA_U

ClientSampleId :

DCGZ6MSD

Tgt Ion:180 Resp: 195170

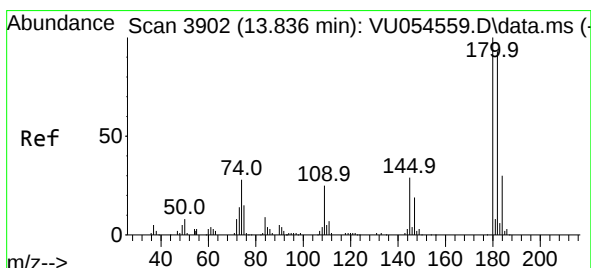
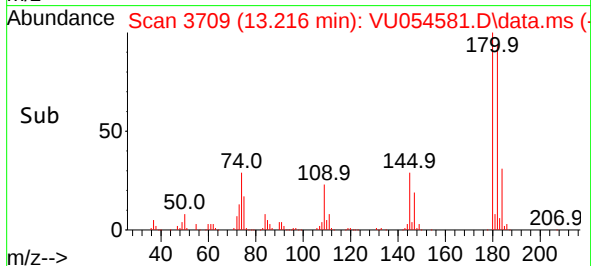
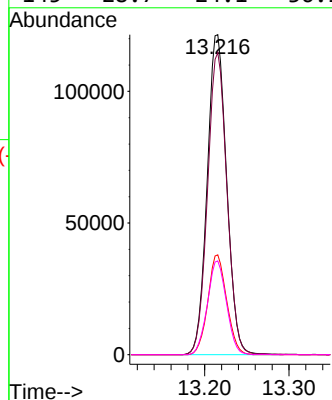
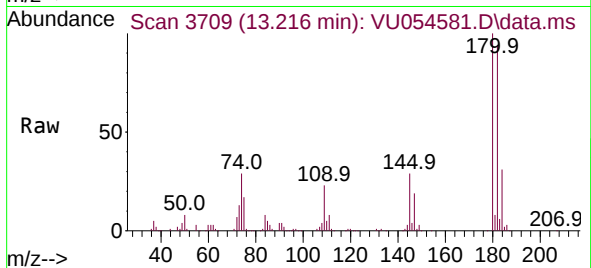
Ion Ratio Lower Upper

180 100

182 94.1 75.0 112.6

184 30.3 24.1 36.1

145 28.7 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 5.717 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

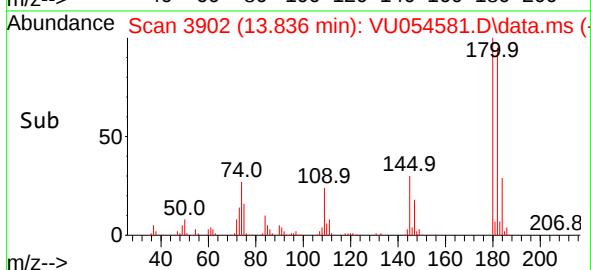
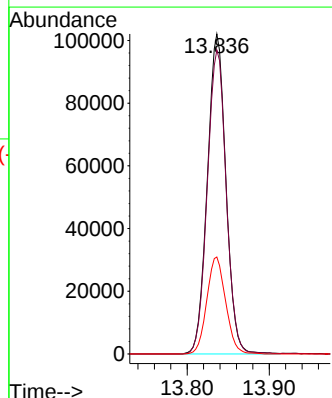
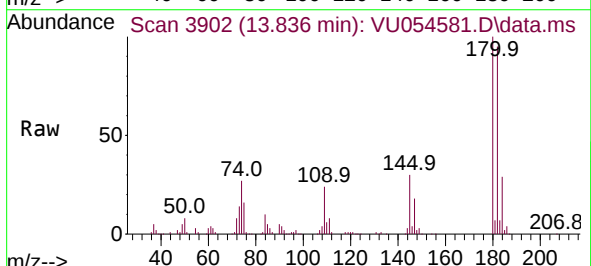
Tgt Ion:180 Resp: 160706

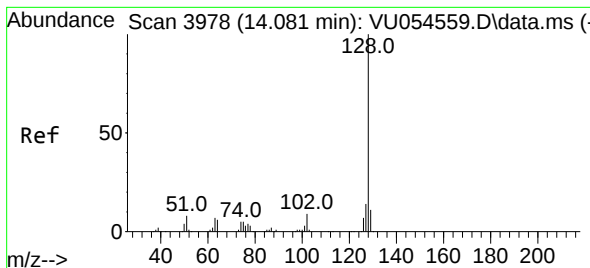
Ion Ratio Lower Upper

180 100

182 96.6 76.6 114.8

145 30.7 24.0 36.0





#71

Naphthalene

Concen: 5.354 ug/L

RT: 14.080 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

Instrument :

MSVOA_U

ClientSampleId :

DCGZ6MSD

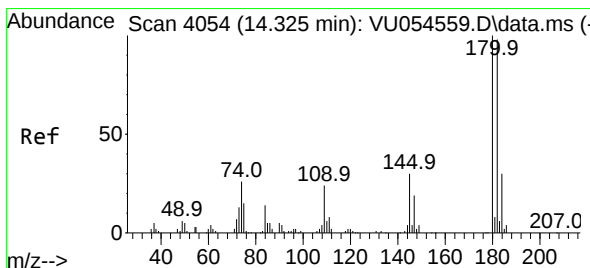
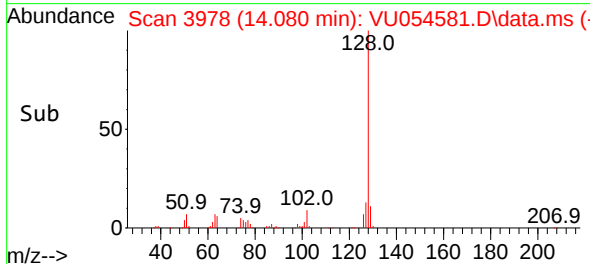
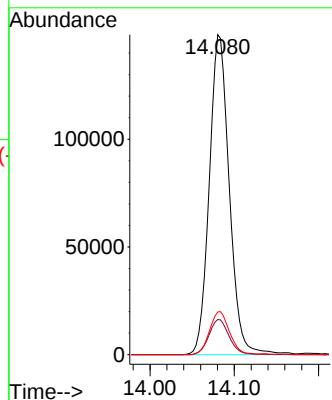
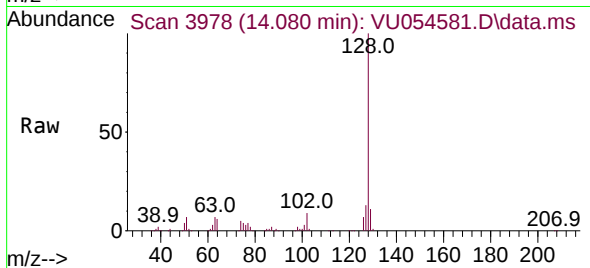
Tgt Ion:128 Resp: 244738

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

127 13.5 10.6 15.8



#72

1,2,3-Trichlorobenzene

Concen: 5.873 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU054581.D

Acq: 16 Jun 2023 18:36

Tgt Ion:180 Resp: 141818

Ion Ratio Lower Upper

180 100

182 96.0 75.4 113.2

145 30.6 26.0 39.0

