

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092723\
 Data File : VU055568.D
 Acq On : 27 Sep 2023 22:03
 Operator : MD/SY
 Sample : 04610-04MSD 20X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 27 23:39:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 23:33:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	207082	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	217361	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	128230	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	86434	4.130	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.600%
7) Chloroethane-d5	1.911	69	74827	4.057	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.200%
11) 1,1-Dichloroethene-d2	2.567	65	33923	3.938	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.800%
20) 2-Butanone-d5	4.631	46	168707	44.627	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.260%
24) Chloroform-d	5.059	84	166071	4.387	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.698	65	78770	4.326	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
32) Benzene-d6	5.724	84	324276	4.265	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
36) 1,2-Dichloropropane-d6	6.689	67	98342	4.329	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.600%
41) Toluene-d8	7.894	98	294925	4.256	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.200%
43) trans-1,3-Dichloroprop...	8.177	79	35314	4.430	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.600%
46) 2-Hexanone-d5	8.631	63	103116	42.526	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.060%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	78087	4.587	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	107234	4.143	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	89663	4.447	ug/L	99
3) Chloromethane	1.519	50	91723	5.172	ug/L	98
5) Vinyl chloride	1.602	62	102405	5.352	ug/L	98
6) Bromomethane	1.856	94	59417	4.889	ug/L	95
8) Chloroethane	1.933	64	59888	4.796	ug/L	98
9) Trichlorofluoromethane	2.139	101	137345	5.176	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.580	101	77136	4.777	ug/L	98
12) 1,1-Dichloroethene	2.580	96	71012	4.905	ug/L	89
13) Acetone	2.637	43	104548	48.516	ug/L	95
14) Carbon disulfide	2.792	76	223378	5.132	ug/L	100
15) Methyl Acetate	2.953	43	25575	5.205	ug/L	96
16) Methylene chloride	3.043	84	92449	5.330	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	161876	5.154	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	76966	5.274	ug/L	94
19) 1,1-Dichloroethane	3.866	63	142439	5.278	ug/L	99
21) 2-Butanone	4.708	43	161933	51.235	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	85518	5.054	ug/L	96
23) Bromochloromethane	4.975	128	38117	5.330	ug/L	95
25) Chloroform	5.084	83	156503	5.477	ug/L	99

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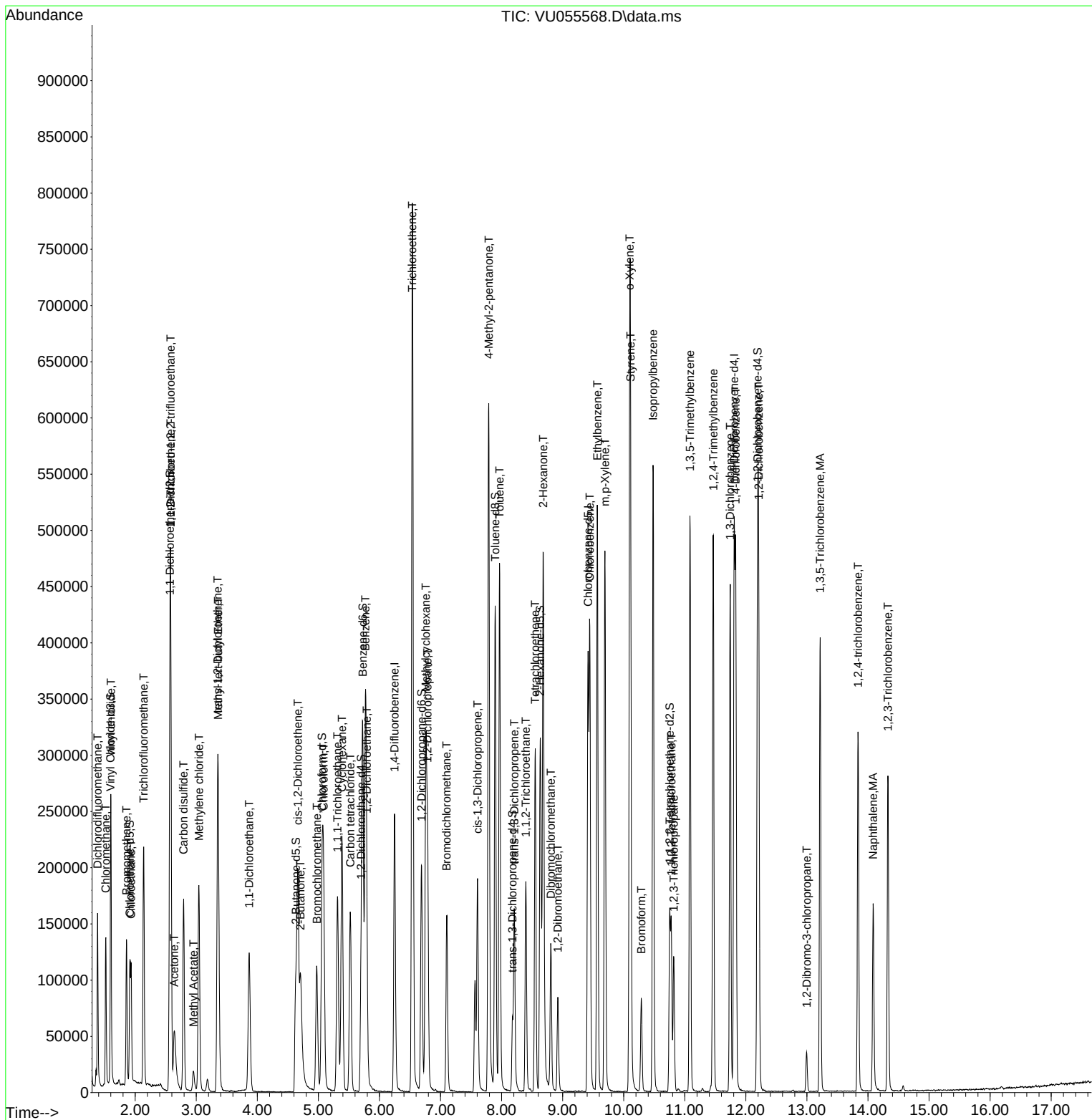
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 MSVOA_U
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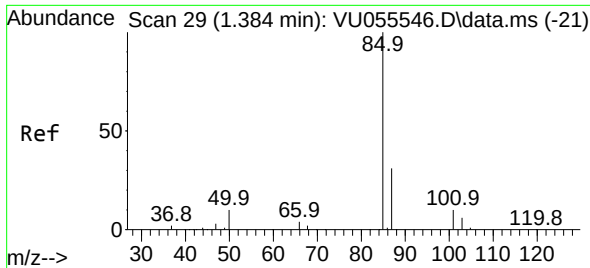
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	88973	5.077	ug/L	97
29) 1,1,1-Trichloroethane	5.313	97	128535	5.187	ug/L	100
30) Cyclohexane	5.387	56	108206	4.770	ug/L	99
31) Carbon tetrachloride	5.522	117	112351	5.290	ug/L	100
33) Benzene	5.769	78	322008	5.147	ug/L	100
34) Trichloroethene	6.538	95	274603	15.518	ug/L	98
35) Methylcyclohexane	6.759	83	119710	4.696	ug/L	99
37) 1,2-Dichloropropane	6.785	63	83210	5.086	ug/L	99
38) Bromodichloromethane	7.100	83	105076	5.480	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	116970	5.356	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	394016	53.089	ug/L	99
42) Toluene	7.965	91	352675	5.285	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	93972	5.379	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	60318	5.258	ug/L	99
47) Tetrachloroethene	8.550	164	65425	5.154	ug/L	97
48) 2-Hexanone	8.682	43	301021	52.333	ug/L	99
49) Dibromochloromethane	8.804	129	66826	5.557	ug/L	97
50) 1,2-Dibromoethane	8.920	107	57282	5.381	ug/L #	99
51) Chlorobenzene	9.444	112	221869	5.191	ug/L	99
52) Ethylbenzene	9.566	91	365343	5.107	ug/L	99
53) m,p-Xylene	9.692	106	141716	5.286	ug/L	99
54) o-Xylene	10.097	106	135838	5.211	ug/L	96
55) Styrene	10.113	104	232686	5.521	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.779	83	71784	5.543	ug/L #	96
59) Bromoform	10.287	173	37397	5.441	ug/L	100
60) Isopropylbenzene	10.480	105	363947	4.925	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	49481	4.943	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	286273	4.844	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	281874	4.873	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	184305	5.209	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	179852	5.086	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	168766	5.202	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	8974	5.172	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	125126	5.135	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	97045	5.224	ug/L	99
71) Naphthalene	14.084	128	141975	5.279	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	85522	5.291	ug/L	98

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

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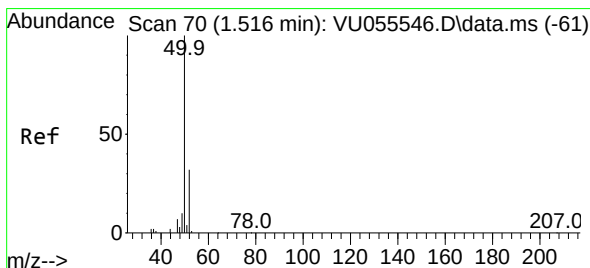
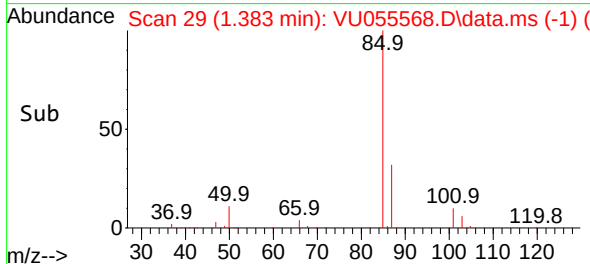
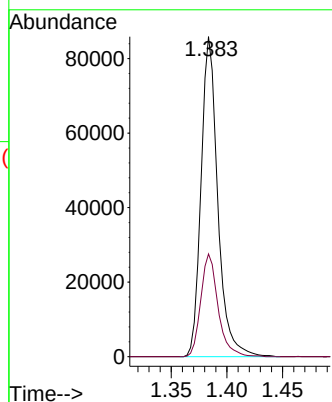
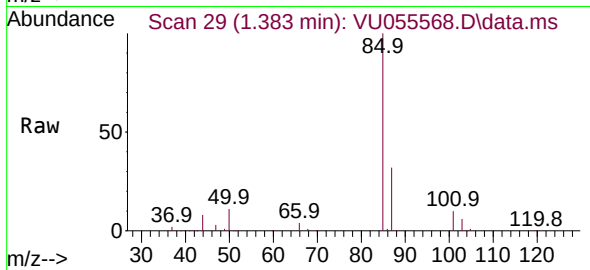




#2
 Dichlorodifluoromethane
 Concen: 4.447 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055568.D
 Acq: 27 Sep 2023 22:03

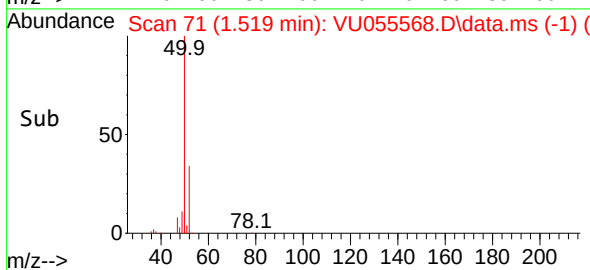
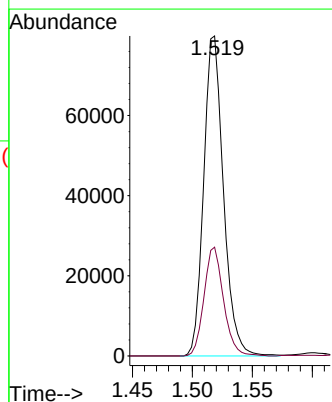
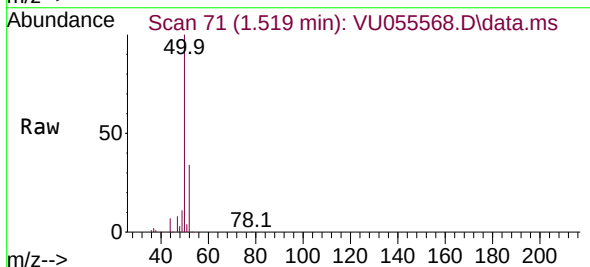
Instrument :
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 ClientSampleId :

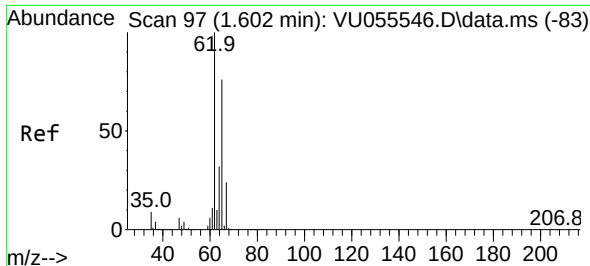
Tgt Ion: 85 Resp: 89663
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.0 39.0



#3
 Chloromethane
 Concen: 5.172 ug/L
 RT: 1.519 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU055568.D
 Acq: 27 Sep 2023 22:03

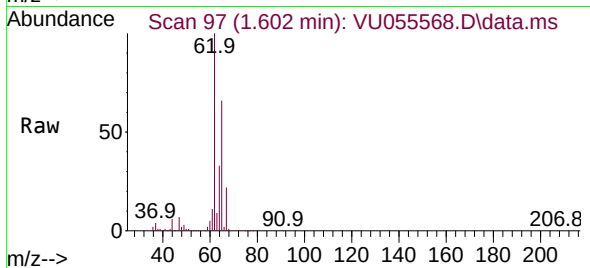
Tgt Ion: 50 Resp: 91723
 Ion Ratio Lower Upper
 50 100
 52 34.0 22.9 42.5



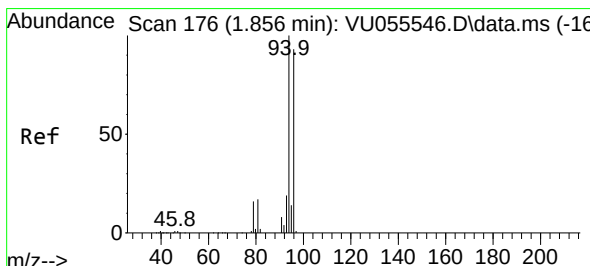
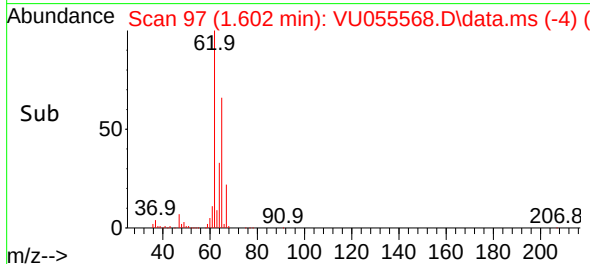
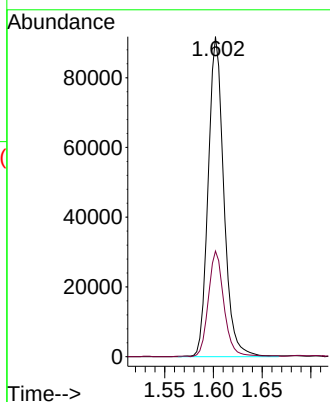


#5
 Vinyl chloride
 Concen: 5.352 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055568.D
 Acq: 27 Sep 2023 22:03

Instrument :
 MSVOA_U
 ClientSampleId :

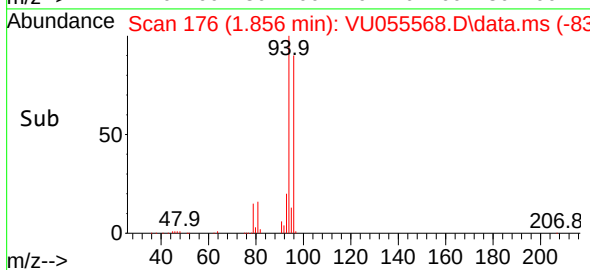
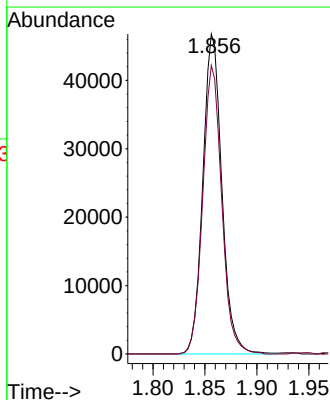
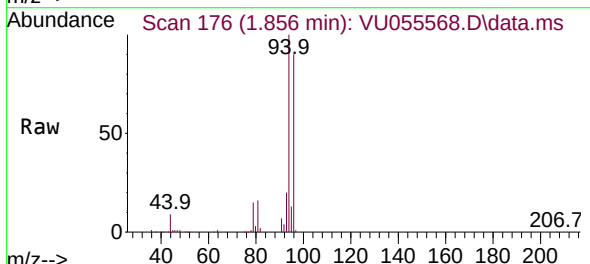


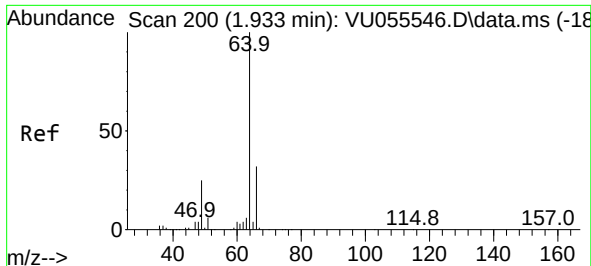
Tgt Ion: 62 Resp: 102405
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.3 41.5



#6
 Bromomethane
 Concen: 4.889 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU055568.D
 Acq: 27 Sep 2023 22:03

Tgt Ion: 94 Resp: 59417
 Ion Ratio Lower Upper
 94 100
 96 90.2 66.4 123.2

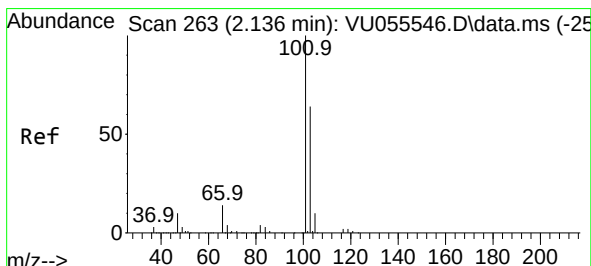
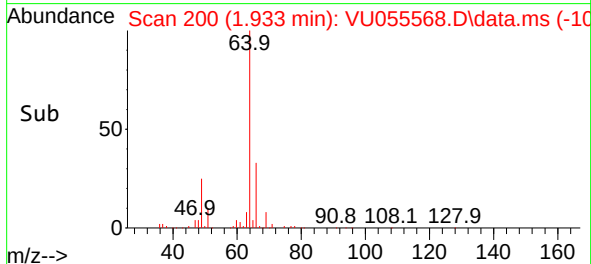
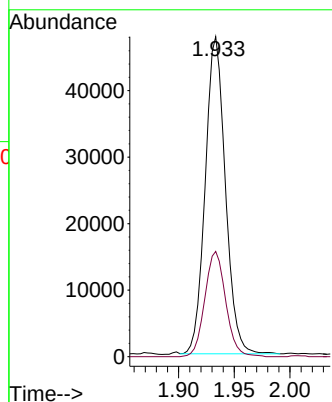
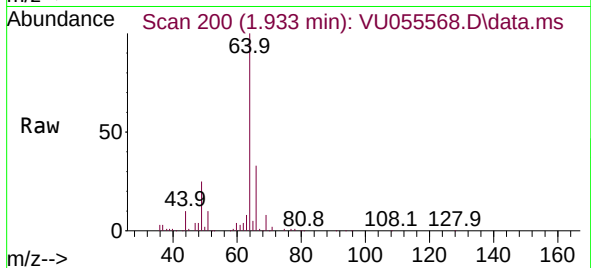




#8
Chloroethane
Concen: 4.796 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

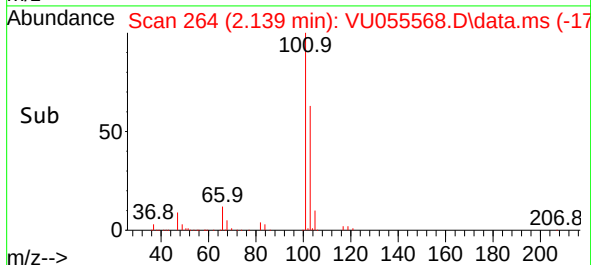
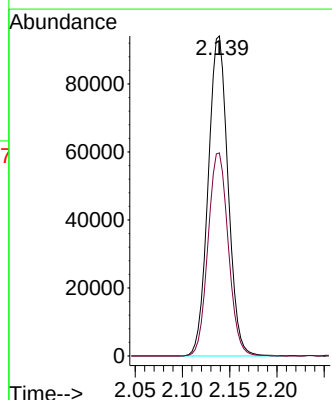
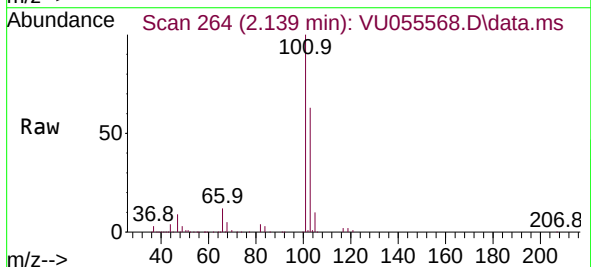
Instrument :
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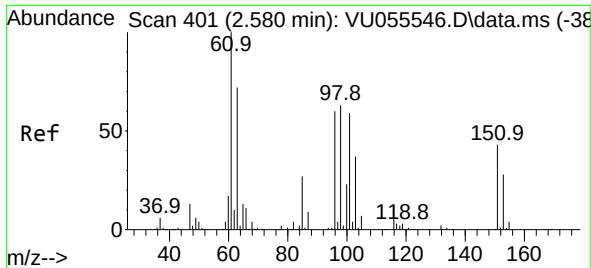
Tgt Ion: 64 Resp: 59888
Ion Ratio Lower Upper
64 100
66 32.9 23.7 44.1



#9
Trichlorofluoromethane
Concen: 5.176 ug/L
RT: 2.139 min Scan# 264
Delta R.T. 0.003 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

Tgt Ion:101 Resp: 137345
Ion Ratio Lower Upper
101 100
103 64.8 52.0 78.0

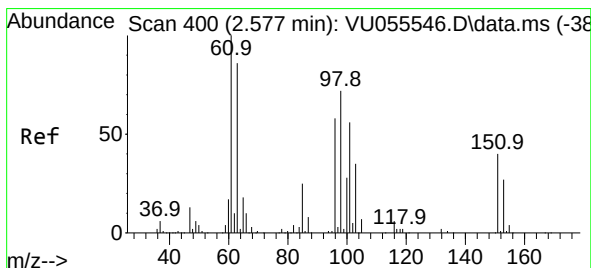
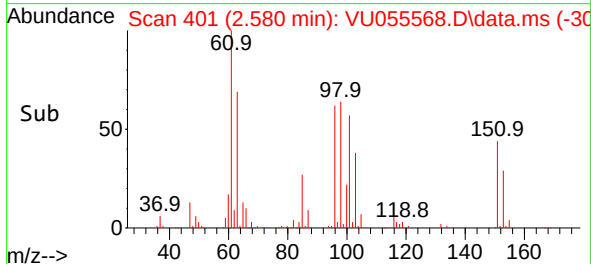
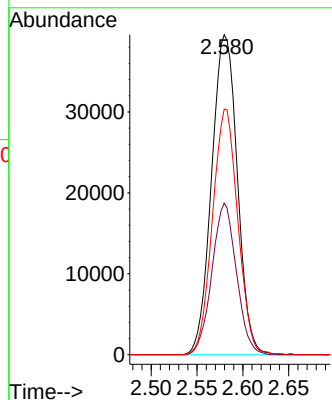
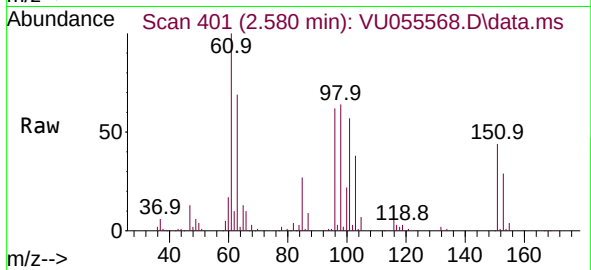




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.777 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU055568.D
 Acq: 27 Sep 2023 22:03

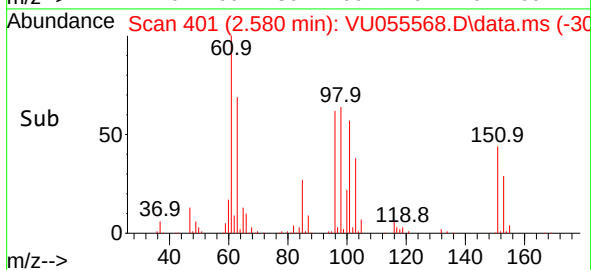
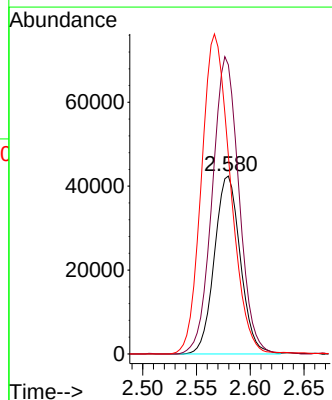
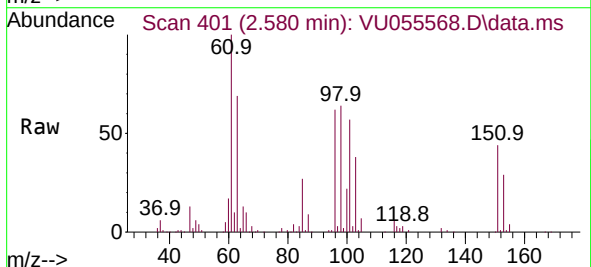
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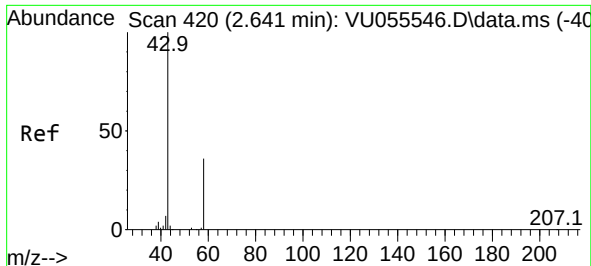
Tgt Ion:101 Resp: 77136
 Ion Ratio Lower Upper
 101 100
 85 45.1 35.8 53.6
 151 75.6 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 4.905 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU055568.D
 Acq: 27 Sep 2023 22:03

Tgt Ion: 96 Resp: 71012
 Ion Ratio Lower Upper
 96 100
 61 162.5 114.5 212.7
 63 111.6 98.3 182.5





#13

Acetone

Concen: 48.516 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.003 min

Lab File: VU055568.D

Acq: 27 Sep 2023 22:03

Instrument :

MSVOA_U

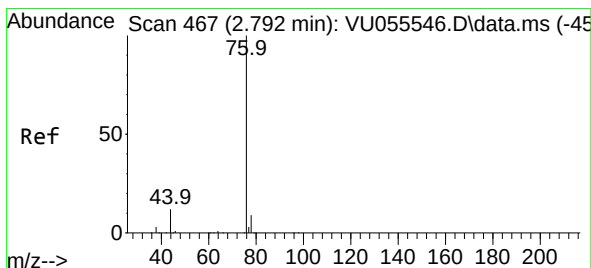
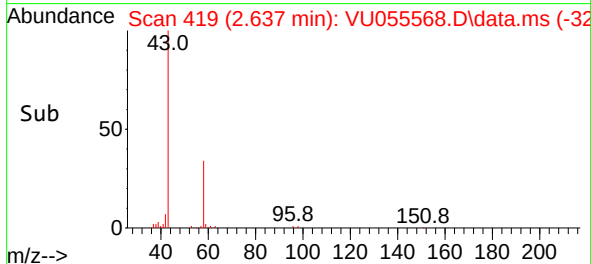
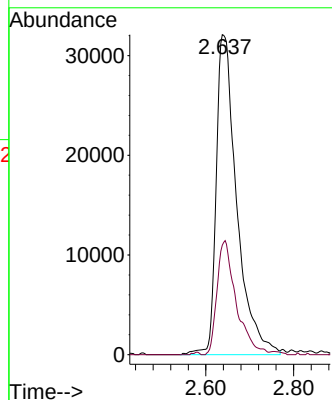
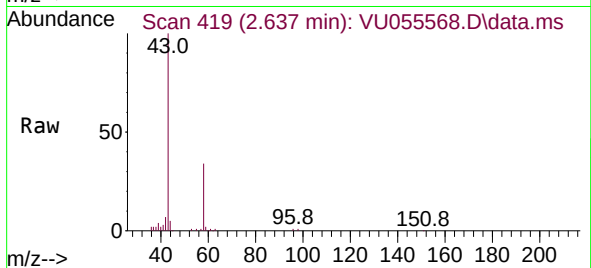
ClientSampleId :

Tgt Ion: 43 Resp: 104548

Ion Ratio Lower Upper

43 100

58 33.2 0.0 72.2



#14

Carbon disulfide

Concen: 5.132 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU055568.D

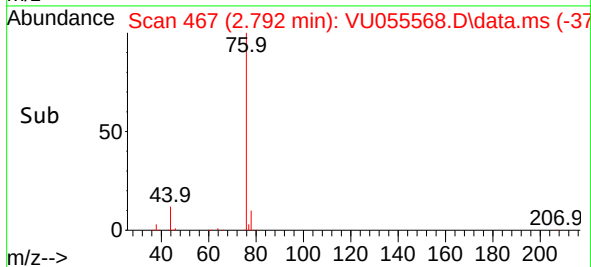
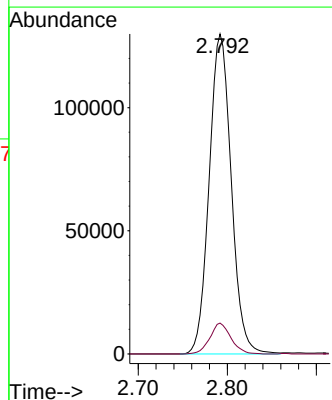
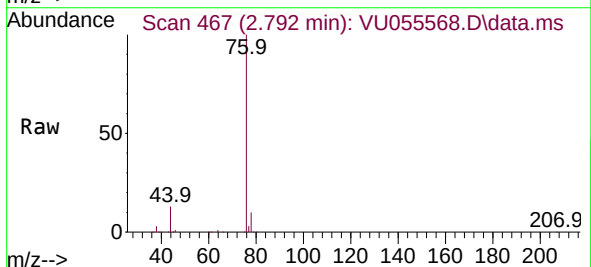
Acq: 27 Sep 2023 22:03

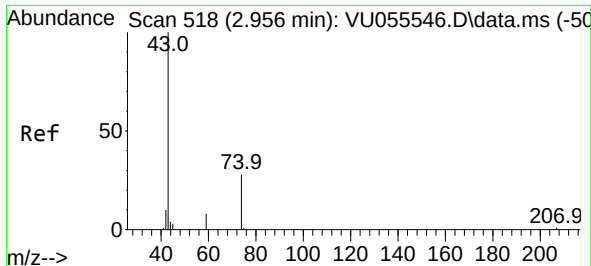
Tgt Ion: 76 Resp: 223378

Ion Ratio Lower Upper

76 100

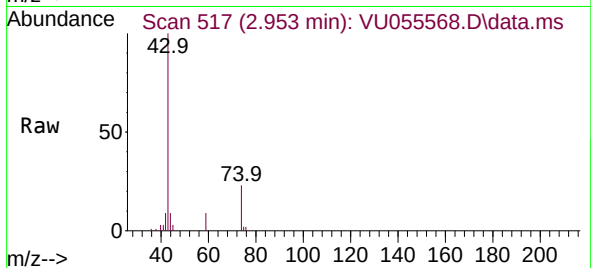
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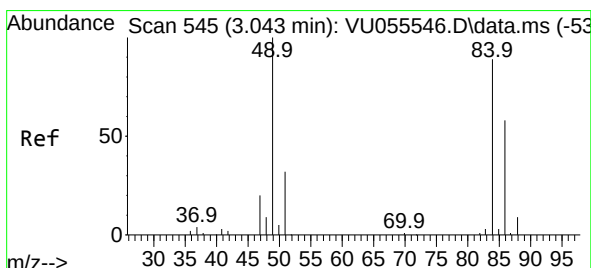
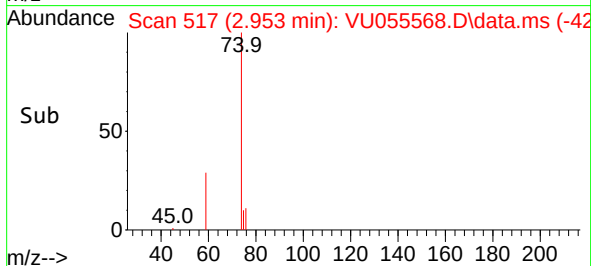
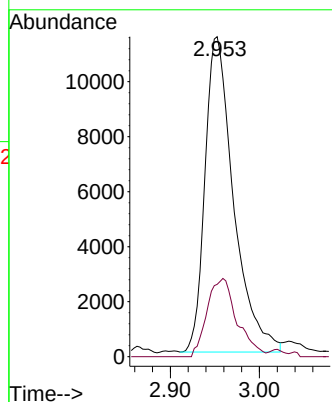


#15
Methyl Acetate
Concen: 5.205 ug/L
RT: 2.953 min Scan# 518
Delta R.T. -0.003 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

Instrument :
MSVOA_U
ClientSampleId :

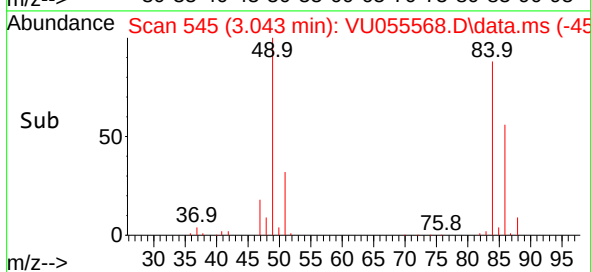
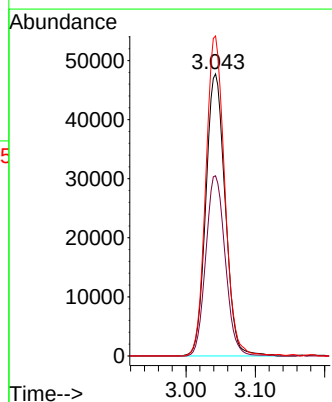
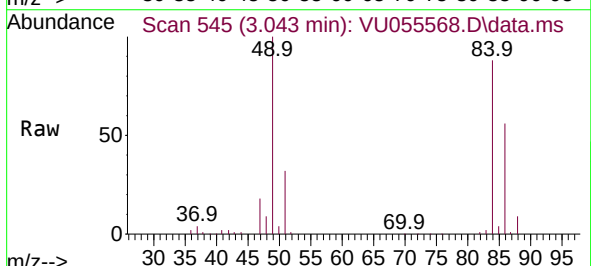


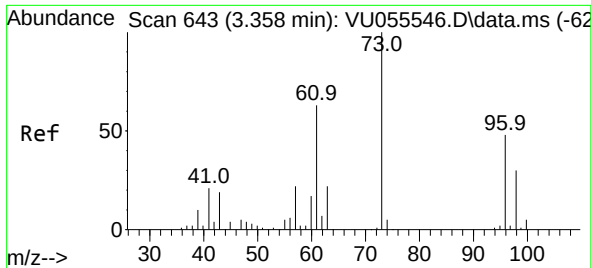
Tgt Ion: 43 Resp: 25575
Ion Ratio Lower Upper
43 100
74 25.8 22.3 33.5



#16
Methylene chloride
Concen: 5.330 ug/L
RT: 3.043 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

Tgt Ion: 84 Resp: 92449
Ion Ratio Lower Upper
84 100
86 63.9 44.9 83.3
49 113.4 78.8 146.3

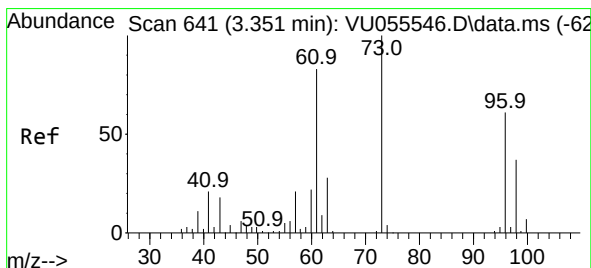
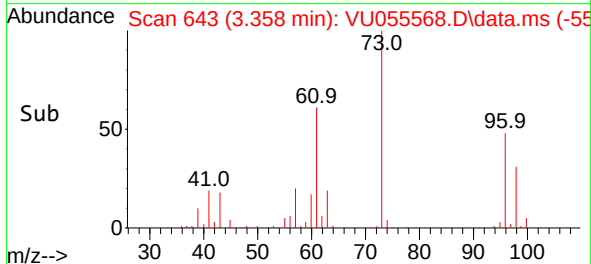
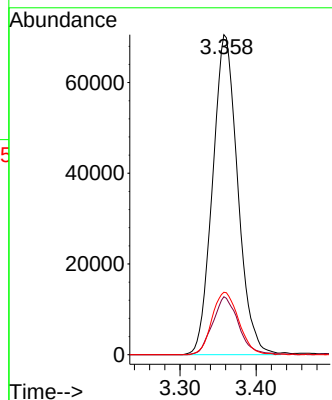
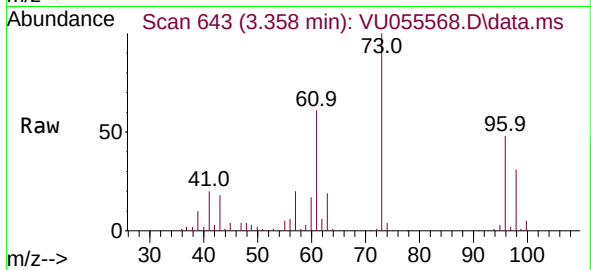




#17
Methyl tert-butyl Ether
Concen: 5.154 ug/L
RT: 3.358 min Scan# 643
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

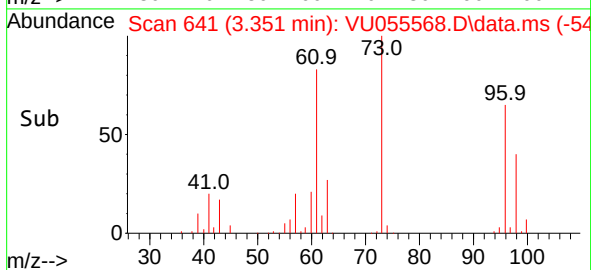
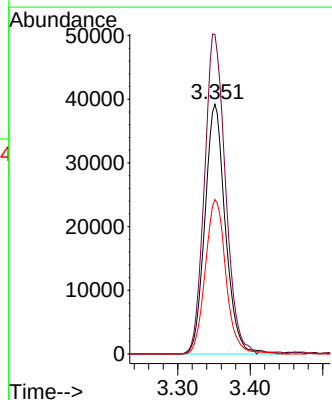
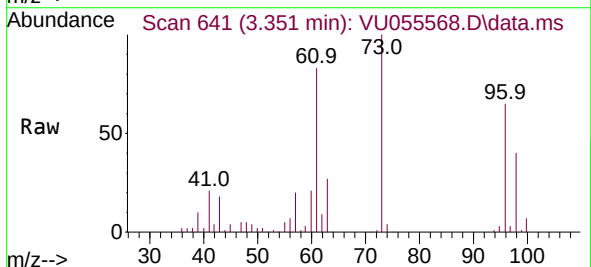
Instrument :
MSVOA_U
ClientSampleId :

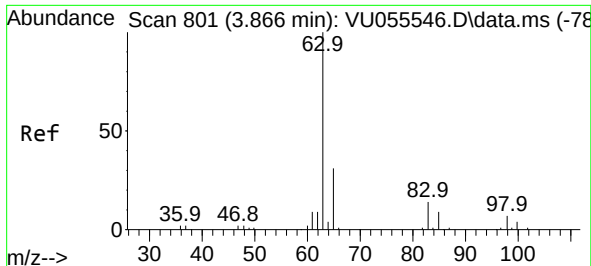
Tgt Ion: 73	Resp: 161876
Ion Ratio	Lower Upper
73 100	
43 18.6	14.9 22.3
57 20.7	17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.274 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

Tgt Ion: 96	Resp: 76966		
Ion Ratio	Lower	Upper	
96 100			
61 127.9	94.6	175.6	
98 61.8	45.7	84.9	





#19

1,1-Dichloroethane

Concen: 5.278 ug/L

RT: 3.866 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU055568.D

Acq: 27 Sep 2023 22:03

Instrument :

MSVOA_U

ClientSampleId :

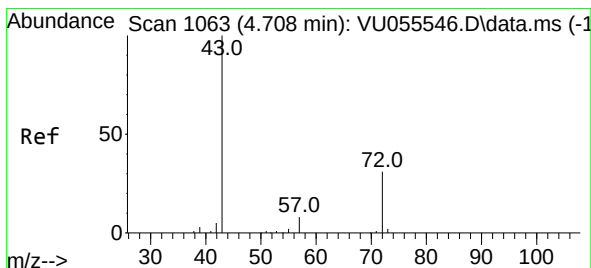
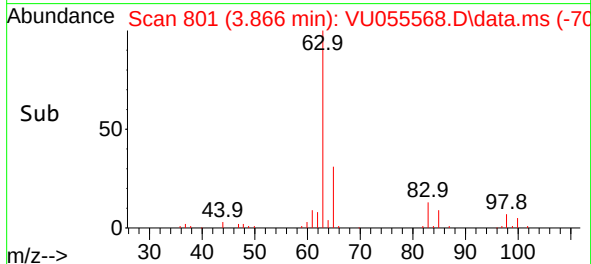
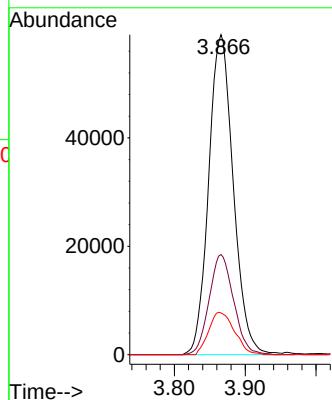
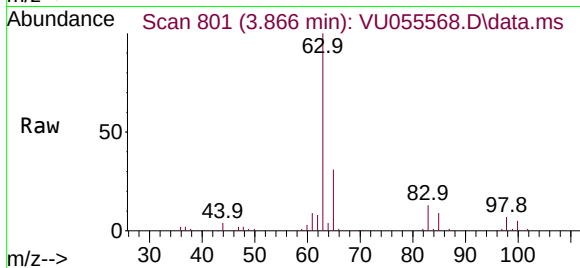
Tgt Ion: 63 Resp: 142439

Ion Ratio Lower Upper

63 100

65 31.3 22.0 41.0

83 13.0 10.1 18.9



#21

2-Butanone

Concen: 51.235 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VU055568.D

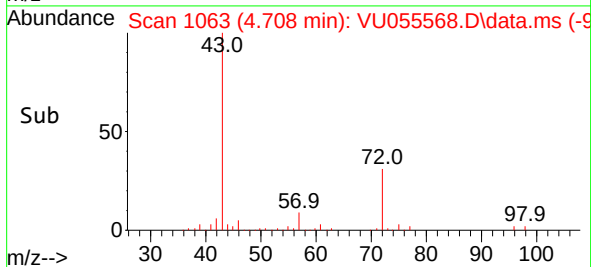
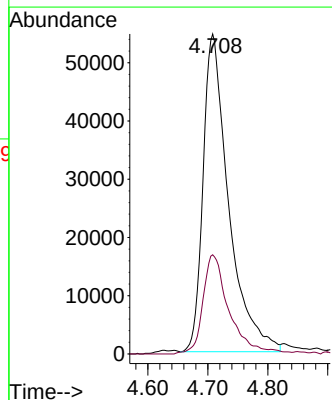
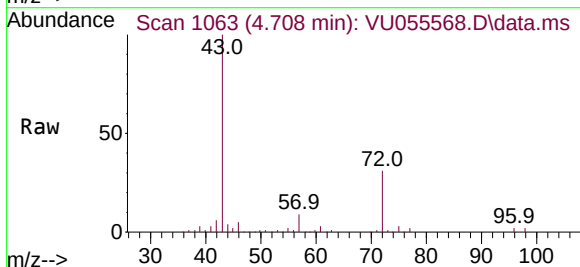
Acq: 27 Sep 2023 22:03

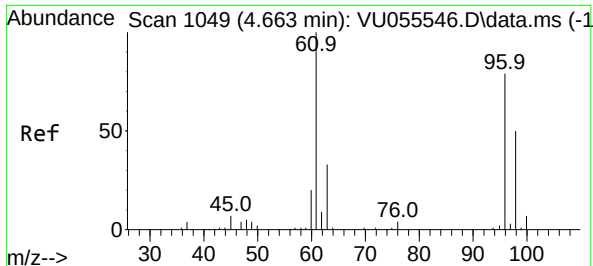
Tgt Ion: 43 Resp: 161933

Ion Ratio Lower Upper

43 100

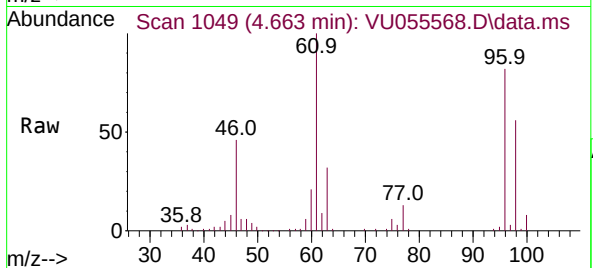
72 31.2 15.1 45.3



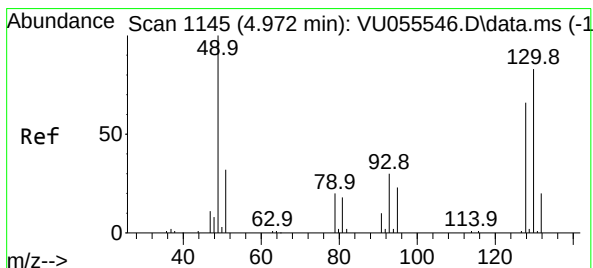
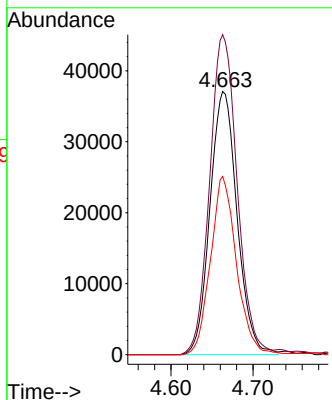
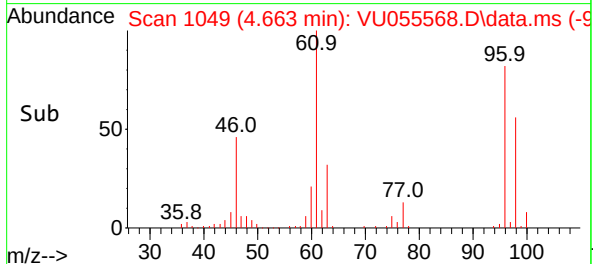


#22
 cis-1,2-Dichloroethene
 Concen: 5.054 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU055568.D
 Acq: 27 Sep 2023 22:03

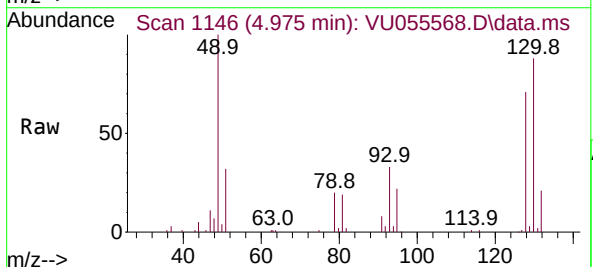
Instrument :
 MSVOA_U
 ClientSampleId :



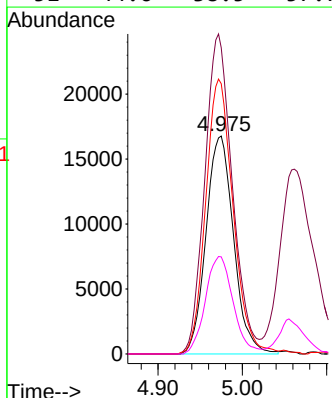
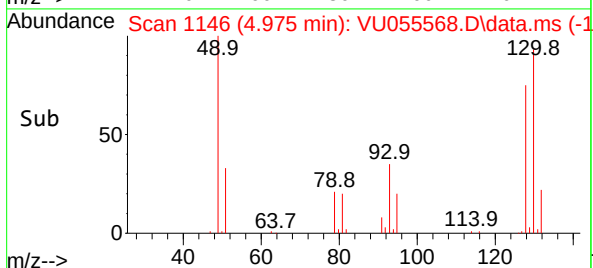
Tgt Ion: 96 Resp: 85518
 Ion Ratio Lower Upper
 96 100
 61 121.5 87.8 163.2
 98 67.7 44.4 82.4

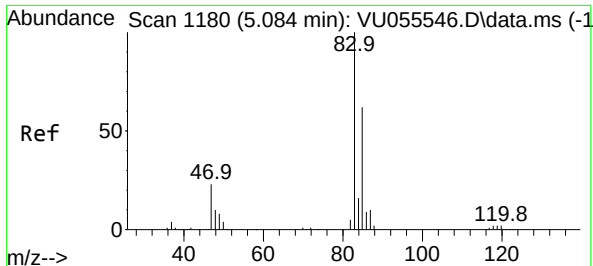


#23
 Bromochloromethane
 Concen: 5.330 ug/L
 RT: 4.975 min Scan# 1146
 Delta R.T. 0.003 min
 Lab File: VU055568.D
 Acq: 27 Sep 2023 22:03



Tgt Ion: 128 Resp: 38117
 Ion Ratio Lower Upper
 128 100
 49 140.5 102.8 191.0
 130 124.0 89.9 166.9
 51 44.6 38.5 57.7





#25

Chloroform

Concen: 5.477 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055568.D

Acq: 27 Sep 2023 22:03

Instrument :

MSVOA_U

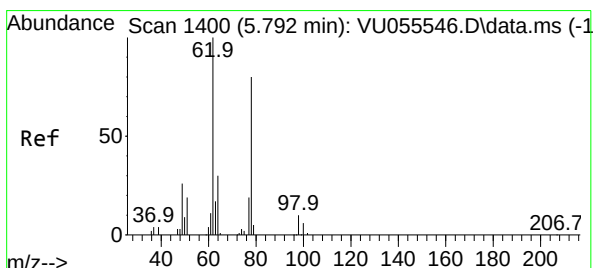
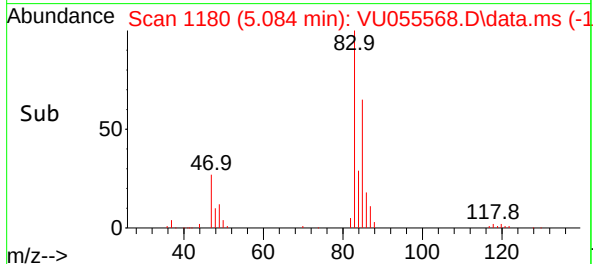
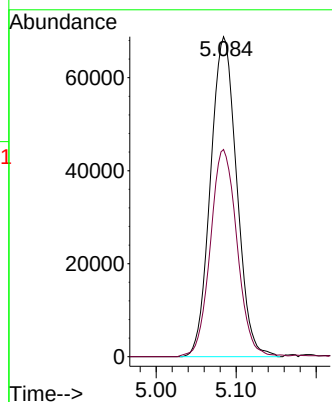
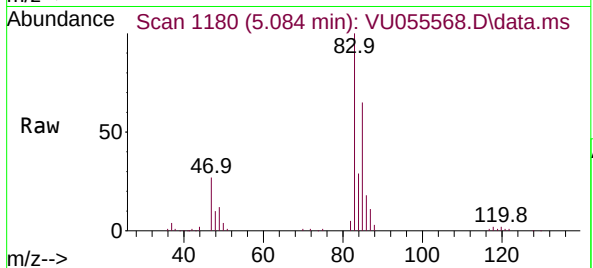
ClientSampleId :

Tgt Ion: 83 Resp: 156503

Ion Ratio Lower Upper

83 100

85 64.7 44.9 83.5



#27

1,2-Dichloroethane

Concen: 5.077 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU055568.D

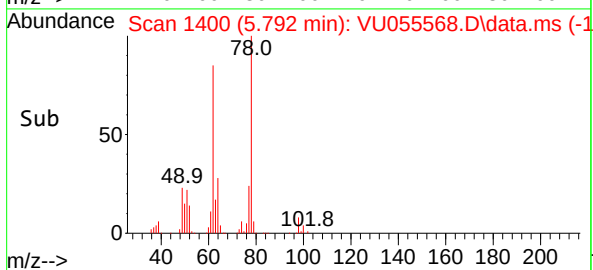
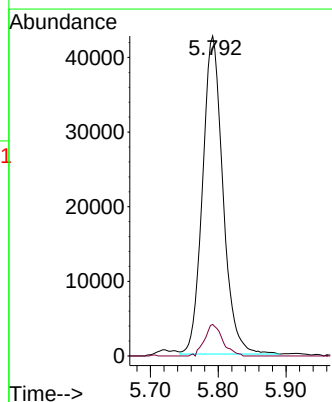
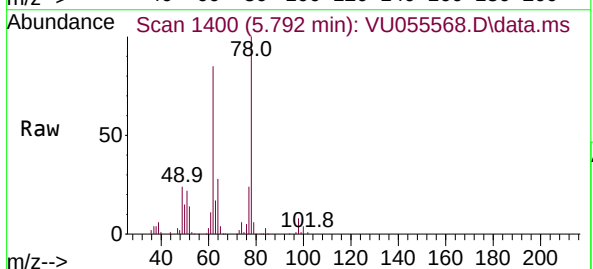
Acq: 27 Sep 2023 22:03

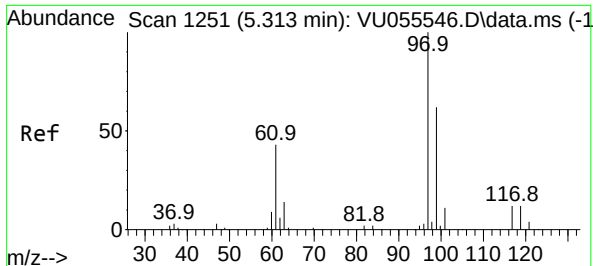
Tgt Ion: 62 Resp: 88973

Ion Ratio Lower Upper

62 100

98 9.9 7.0 10.4

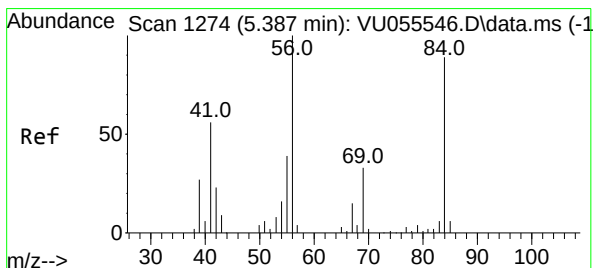
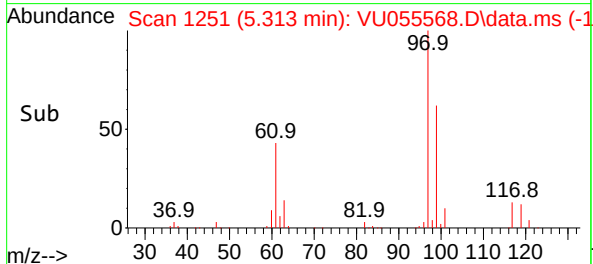
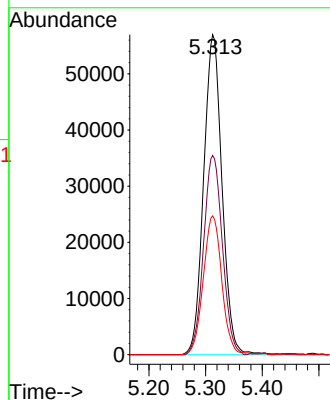
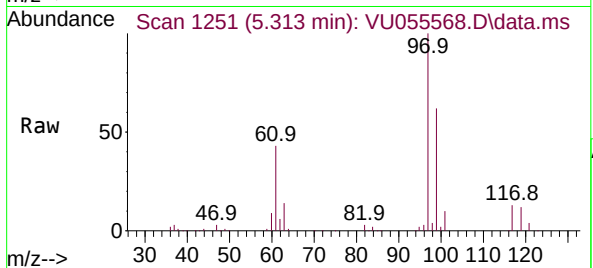




#29
1,1,1-Trichloroethane
Concen: 5.187 ug/L
RT: 5.313 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

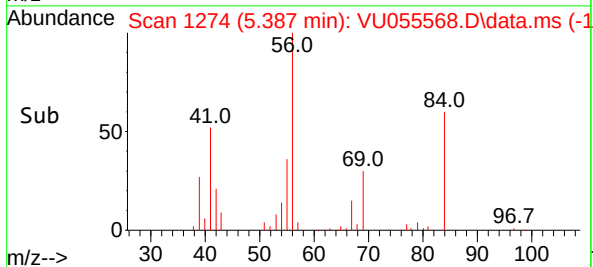
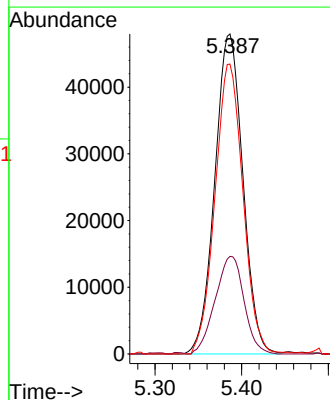
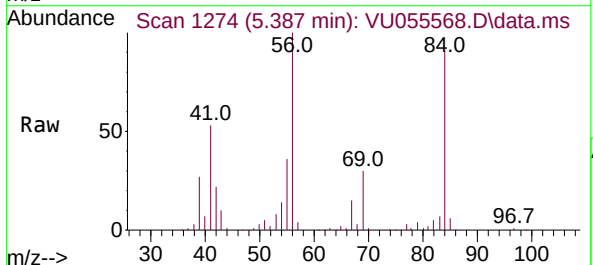
Instrument :
MSVOA_U
ClientSampleId :

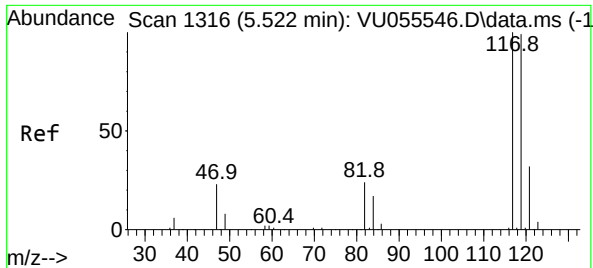
Tgt Ion: 97 Resp: 128535
Ion Ratio Lower Upper
97 100
99 63.5 50.7 76.1
61 43.7 34.6 51.8



#30
Cyclohexane
Concen: 4.770 ug/L
RT: 5.387 min Scan# 1274
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

Tgt Ion: 56 Resp: 108206
Ion Ratio Lower Upper
56 100
69 31.3 26.5 39.7
84 90.3 72.6 108.8

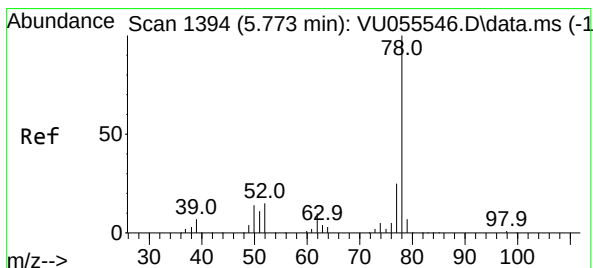
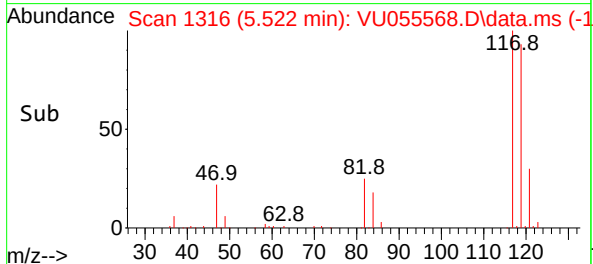
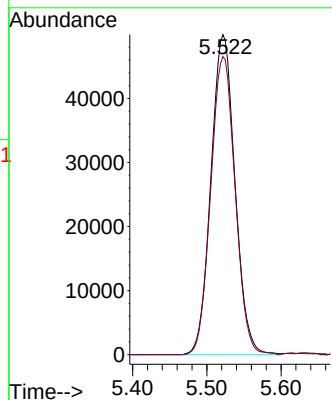
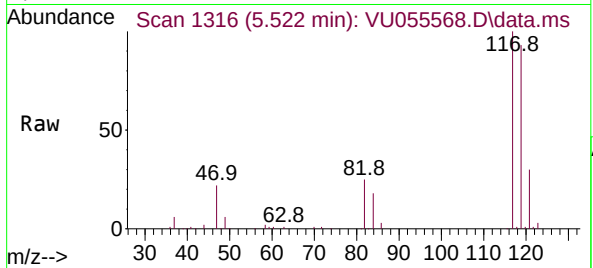




#31
Carbon tetrachloride
Concen: 5.290 ug/L
RT: 5.522 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

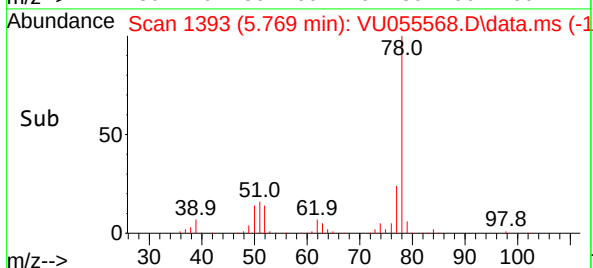
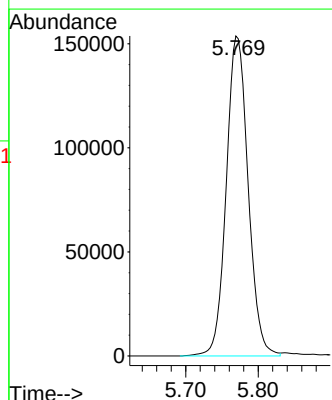
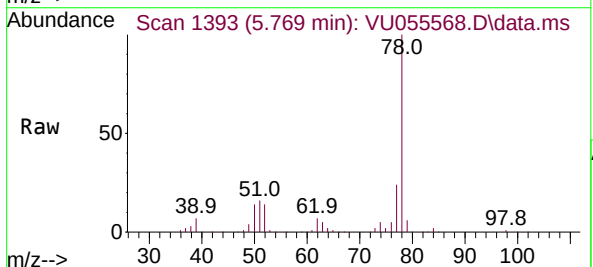
Instrument :
MSVOA_U
ClientSampleId :

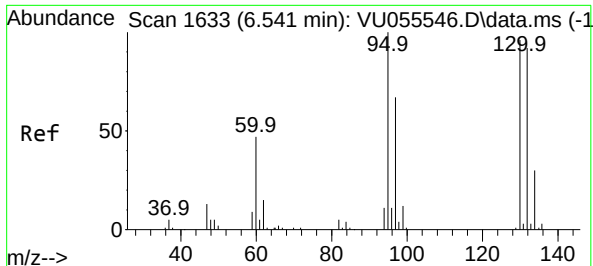
Tgt Ion:117 Resp: 112351
Ion Ratio Lower Upper
117 100
119 94.3 75.2 112.8



#33
Benzene
Concen: 5.147 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

Tgt Ion: 78 Resp: 322008





#34

Trichloroethene

Concen: 15.518 ug/L

RT: 6.538 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055568.D

Acq: 27 Sep 2023 22:03

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 274603

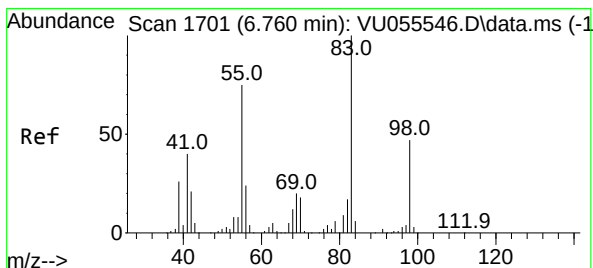
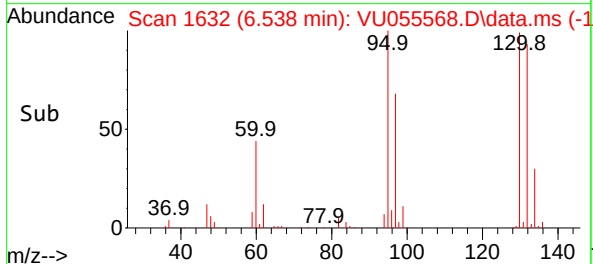
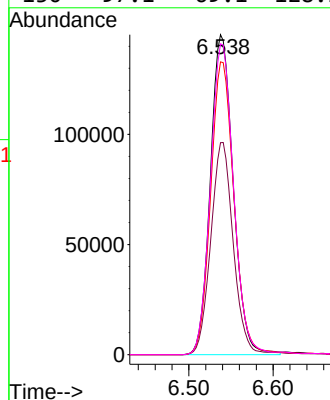
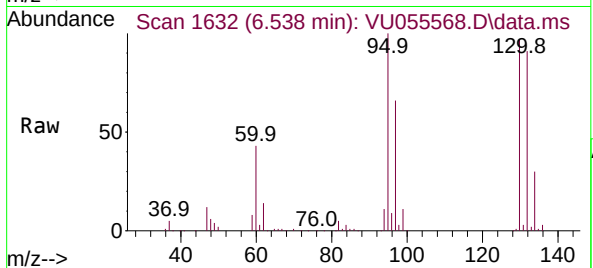
Ion Ratio Lower Upper

95 100

97 66.2 45.4 84.2

132 91.5 65.2 121.2

130 97.1 69.1 128.3



#35

Methylcyclohexane

Concen: 4.696 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU055568.D

Acq: 27 Sep 2023 22:03

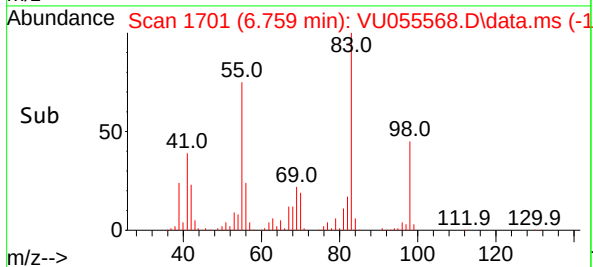
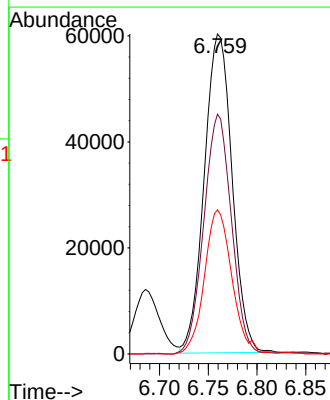
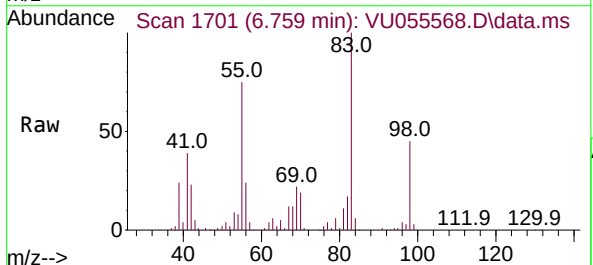
Tgt Ion: 83 Resp: 119710

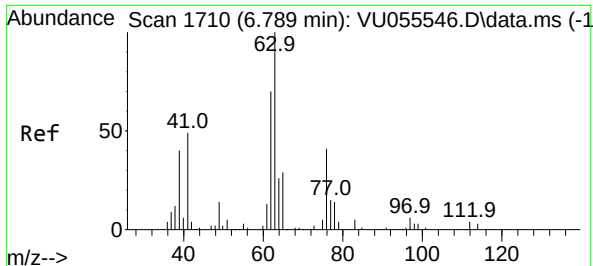
Ion Ratio Lower Upper

83 100

55 75.1 59.1 88.7

98 44.5 36.3 54.5





#37

1,2-Dichloropropane

Concen: 5.086 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055568.D

Acq: 27 Sep 2023 22:03

Instrument :

MSVOA_U

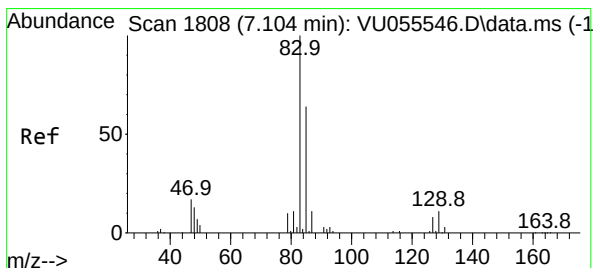
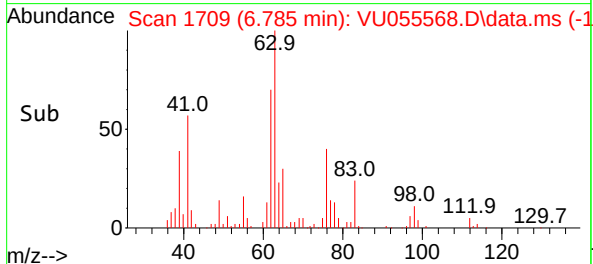
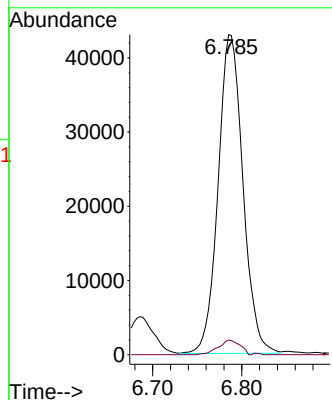
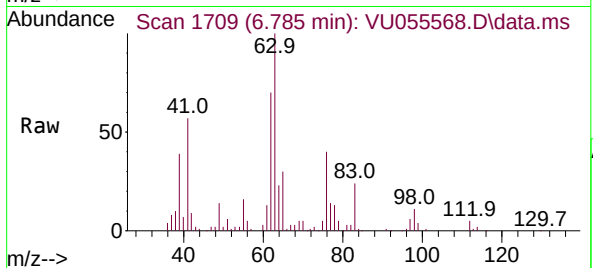
ClientSampleId :

Tgt Ion: 63 Resp: 83210

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.6



#38

Bromodichloromethane

Concen: 5.480 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU055568.D

Acq: 27 Sep 2023 22:03

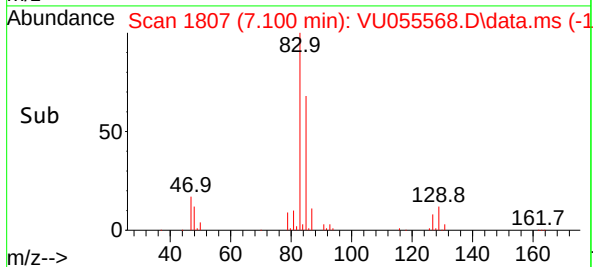
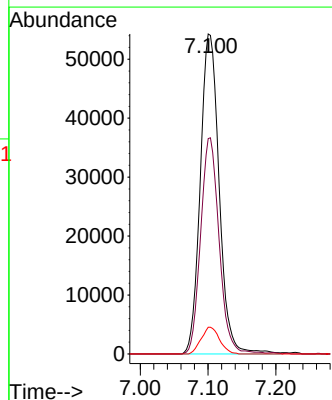
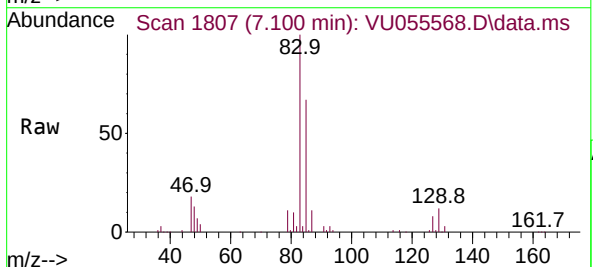
Tgt Ion: 83 Resp: 105076

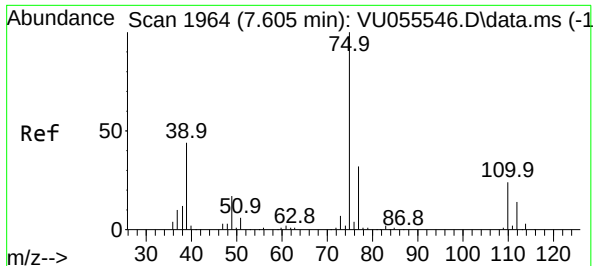
Ion Ratio Lower Upper

83 100

85 67.3 46.8 86.8

127 8.3 7.2 10.8

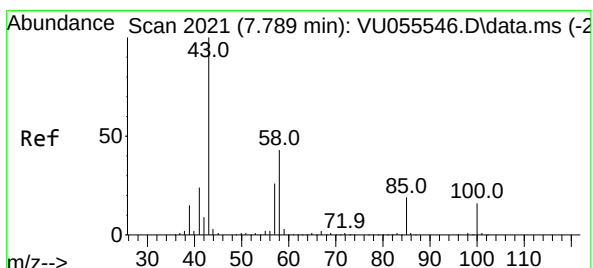
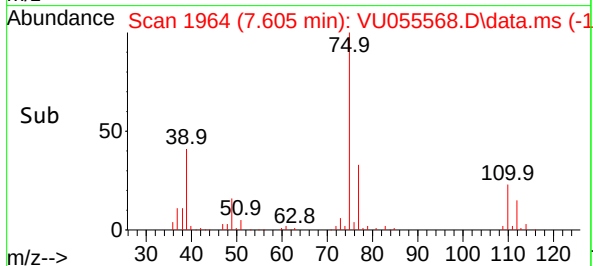
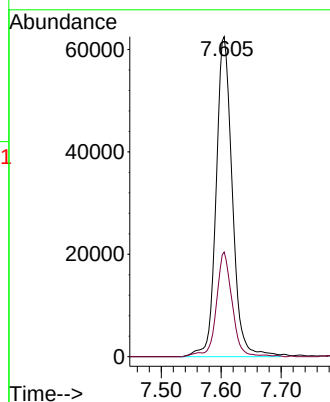
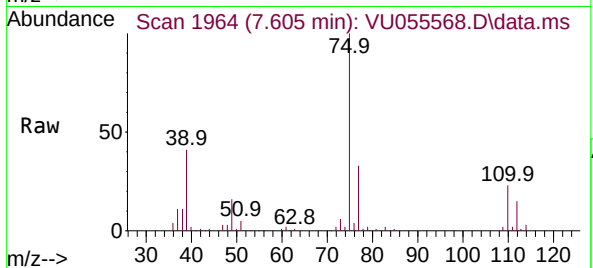




#39
 cis-1,3-Dichloropropene
 Concen: 5.356 ug/L
 RT: 7.605 min Scan# 1964
 Delta R.T. -0.000 min
 Lab File: VU055568.D
 Acq: 27 Sep 2023 22:03

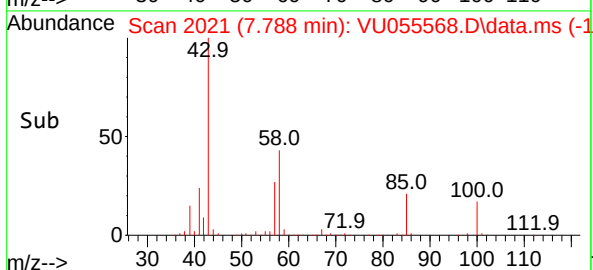
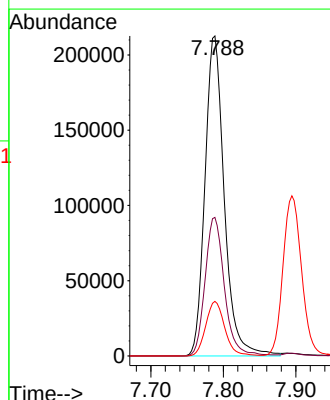
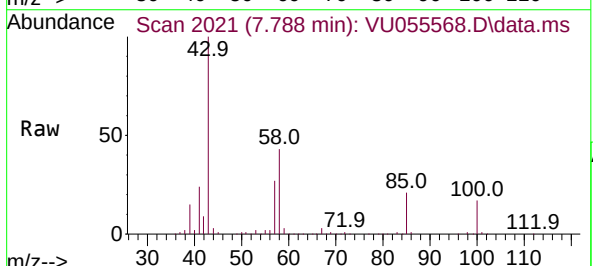
Instrument :
 MSVOA_U
 ClientSampleId :

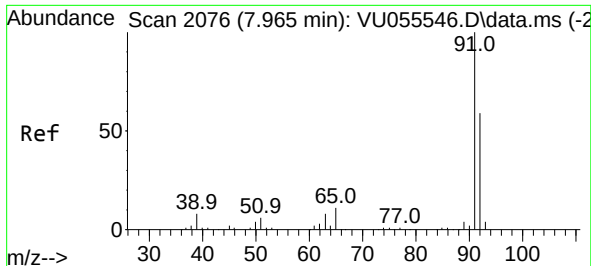
Tgt Ion: 75 Resp: 116970
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 53.089 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. -0.000 min
 Lab File: VU055568.D
 Acq: 27 Sep 2023 22:03

Tgt Ion: 43 Resp: 394016
 Ion Ratio Lower Upper
 43 100
 58 43.3 34.2 51.4
 100 16.8 13.4 20.0





#42

Toluene

Concen: 5.285 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU055568.D

Acq: 27 Sep 2023 22:03

Instrument :

MSVOA_U

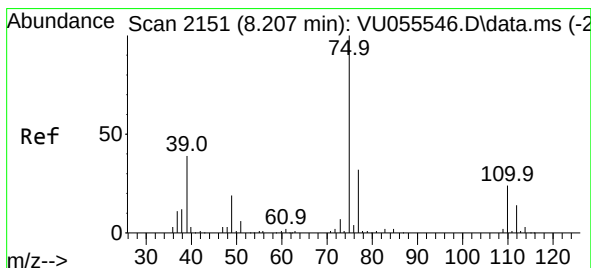
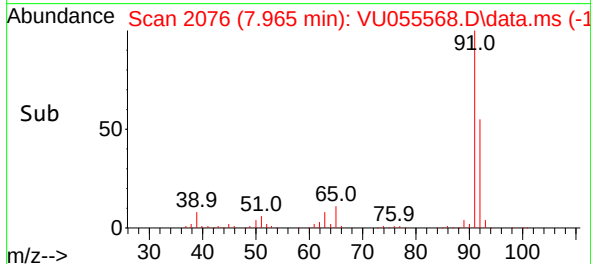
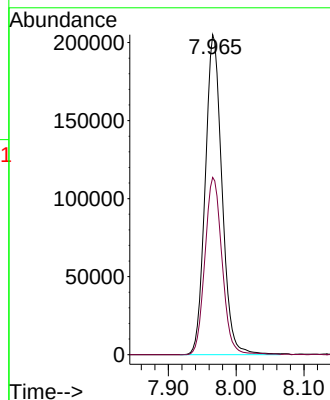
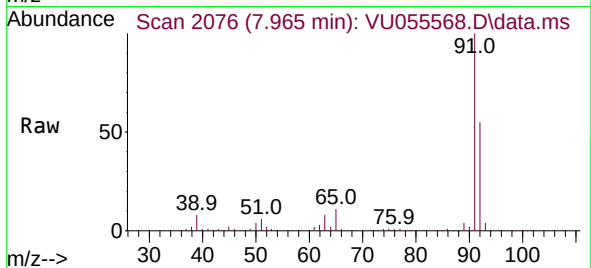
ClientSampleId :

Tgt Ion: 91 Resp: 352675

Ion Ratio Lower Upper

91 100

92 55.4 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 5.379 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU055568.D

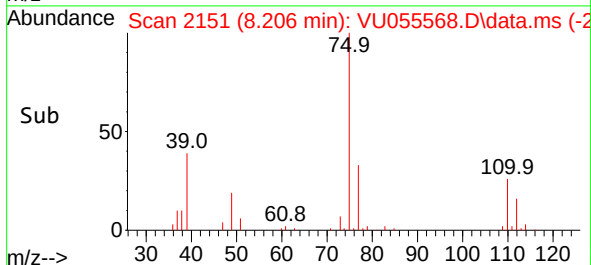
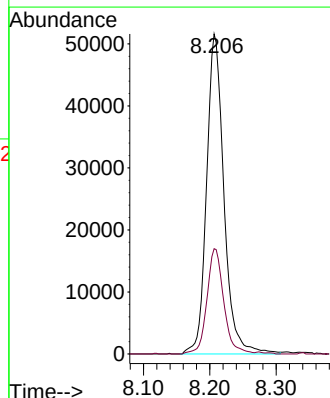
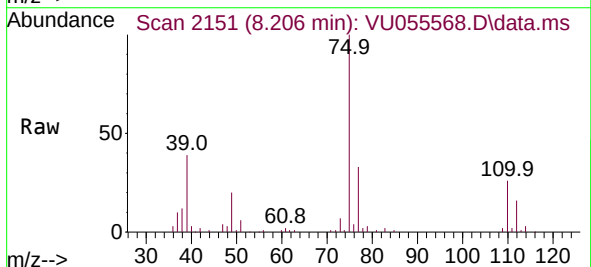
Acq: 27 Sep 2023 22:03

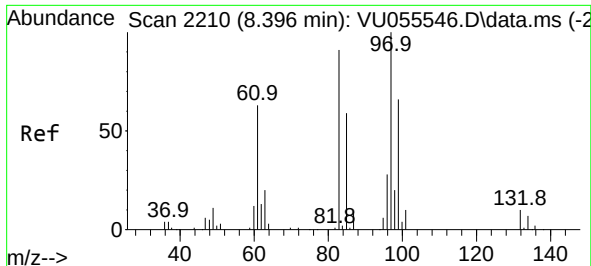
Tgt Ion: 75 Resp: 93972

Ion Ratio Lower Upper

75 100

77 32.9 21.8 40.4

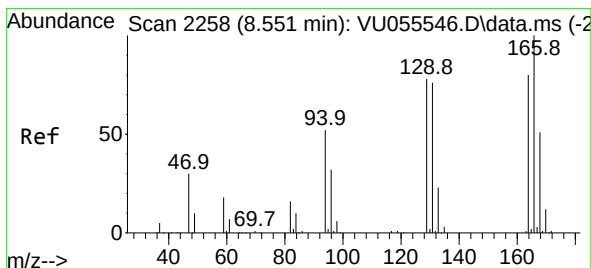
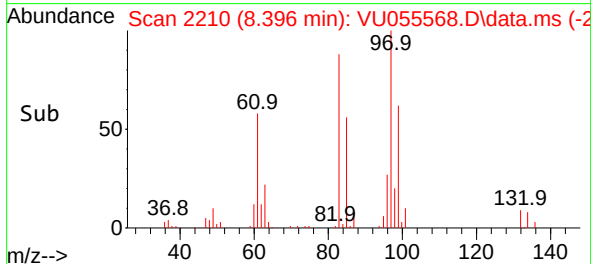
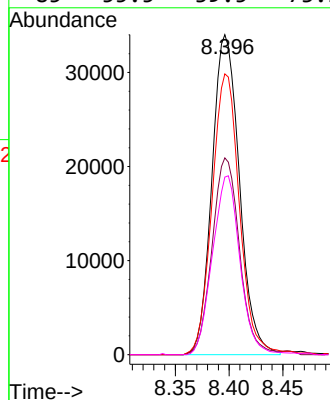
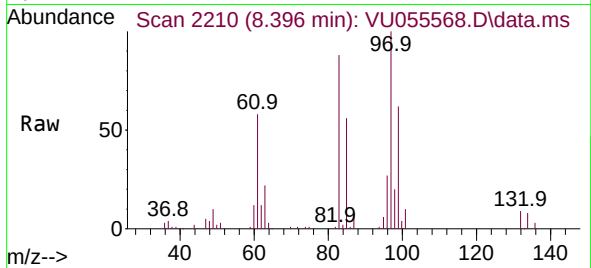




#45
1,1,2-Trichloroethane
Concen: 5.258 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

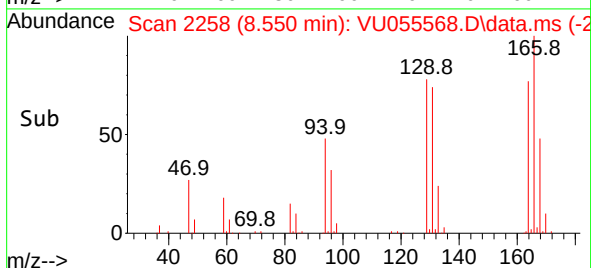
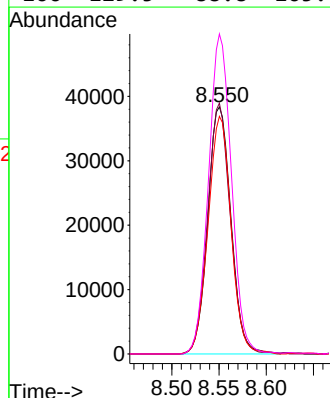
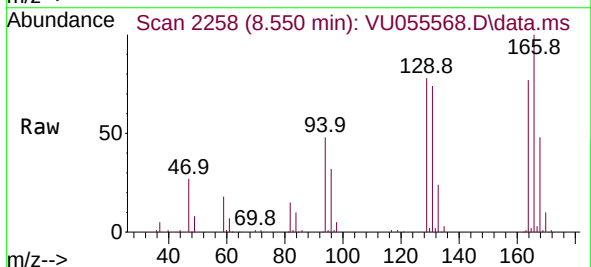
Instrument :
MSVOA_U
ClientSampleId :

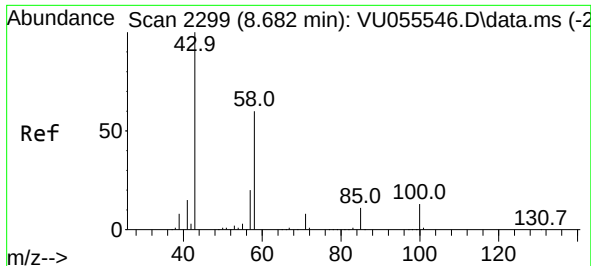
Tgt Ion:	97	Resp:	60318
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.1	81.9
83	87.7	61.5	114.1
85	55.5	39.5	73.3



#47
Tetrachloroethene
Concen: 5.154 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

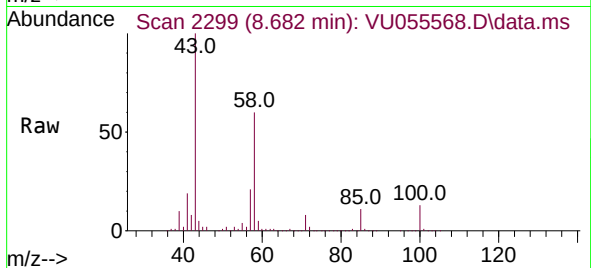
Tgt Ion:	164	Resp:	65425
Ion	Ratio	Lower	Upper
164	100		
129	101.5	67.4	125.2
131	96.2	66.4	123.2
166	129.5	88.8	165.0



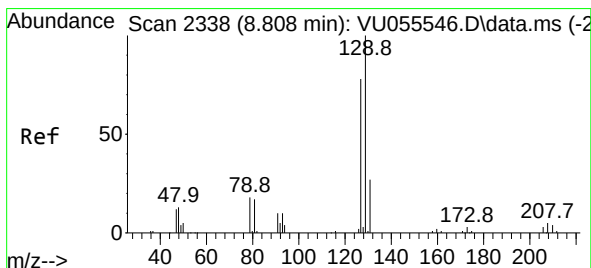
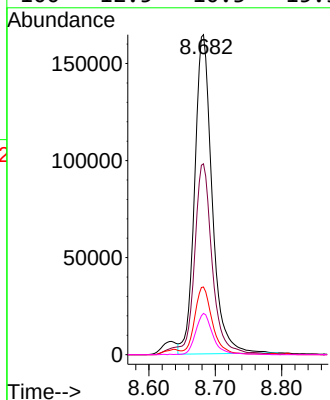
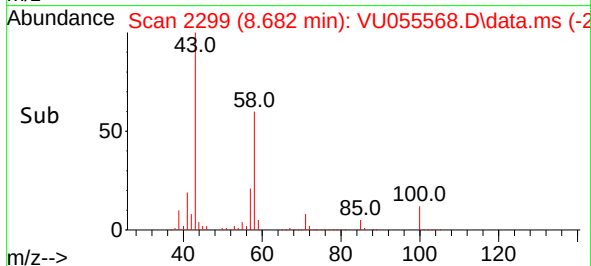


#48
2-Hexanone
Concen: 52.333 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

Instrument :
MSVOA_U
ClientSampleId :

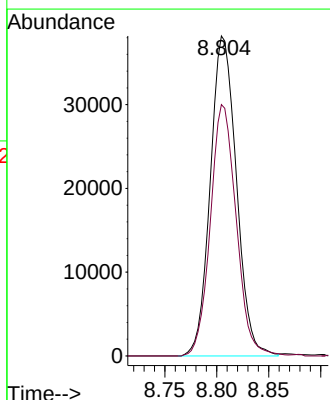
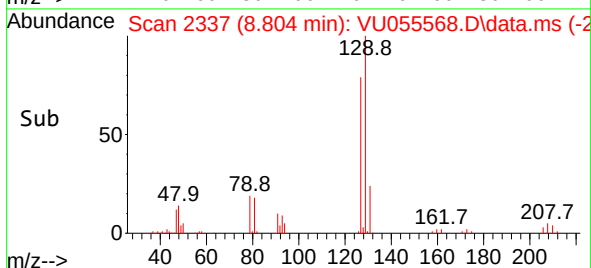
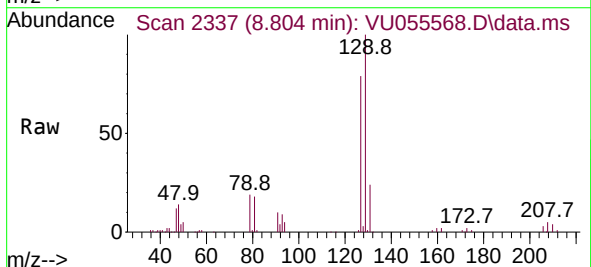


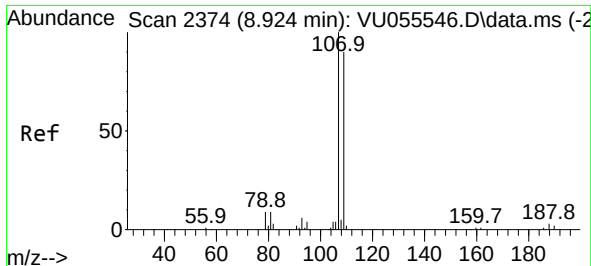
Tgt Ion: 43 Resp: 301021
Ion Ratio Lower Upper
43 100
58 61.5 48.5 72.7
57 21.1 17.0 25.4
100 12.5 10.3 15.5



#49
Dibromochloromethane
Concen: 5.557 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

Tgt Ion: 129 Resp: 66826
Ion Ratio Lower Upper
129 100
127 78.6 56.8 105.6





#50

1,2-Dibromoethane

Concen: 5.381 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.003 min

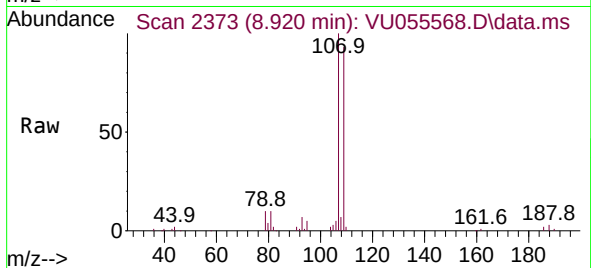
Lab File: VU055568.D

Acq: 27 Sep 2023 22:03

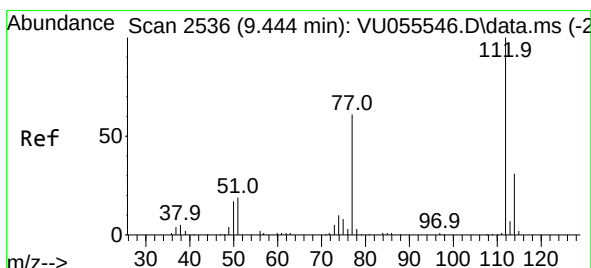
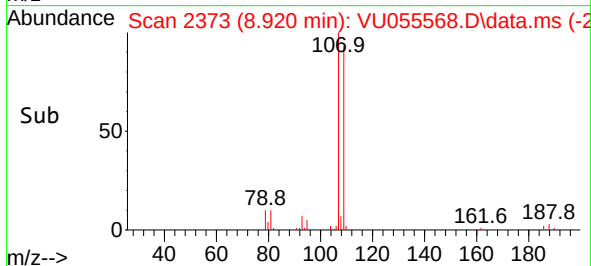
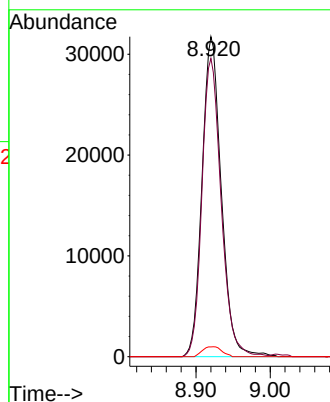
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	57282
Ion	Ratio	Lower	Upper
107	100		
109	93.2	66.1	122.8
188	3.1	3.2	4.8#



#51

Chlorobenzene

Concen: 5.191 ug/L

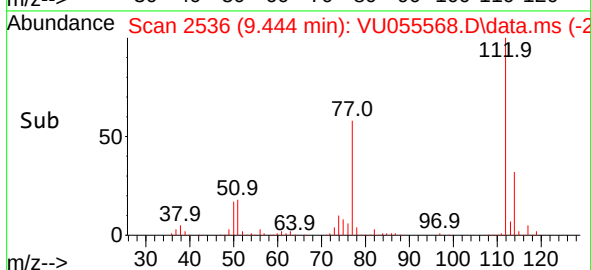
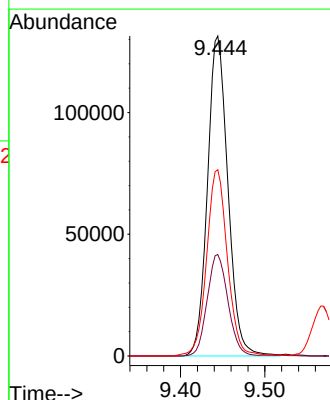
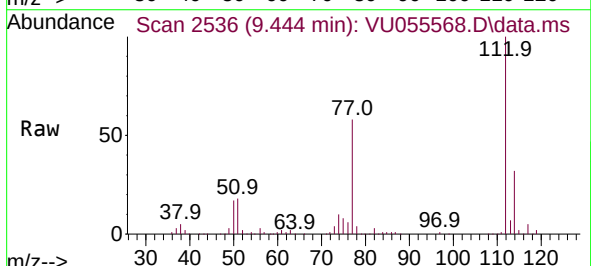
RT: 9.444 min Scan# 2536

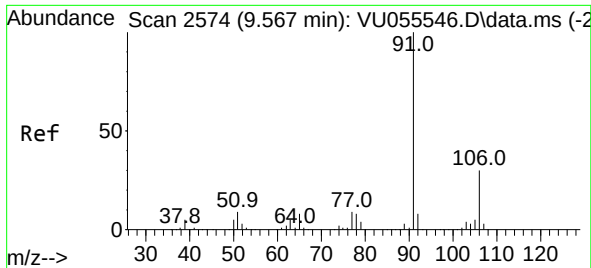
Delta R.T. -0.000 min

Lab File: VU055568.D

Acq: 27 Sep 2023 22:03

Tgt Ion:	112	Resp:	221869
Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.0	40.8
77	58.2	46.9	70.3

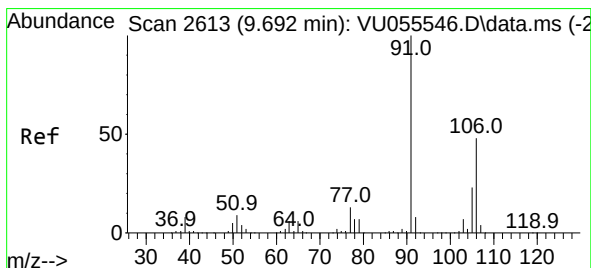
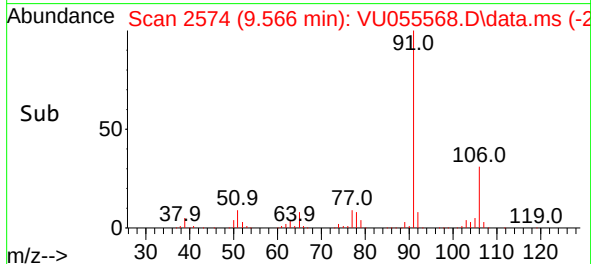
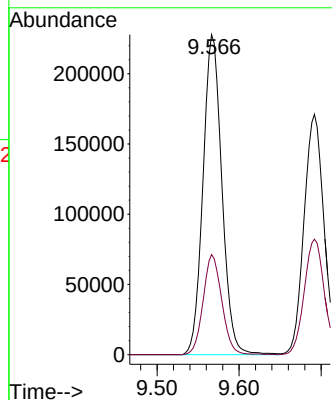
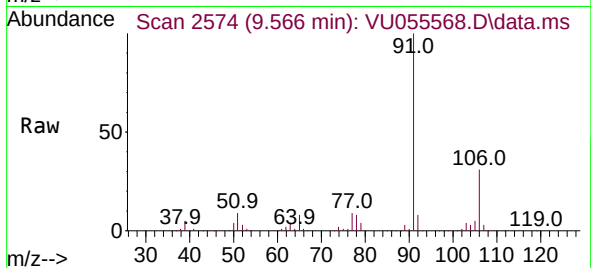




#52
Ethylbenzene
Concen: 5.107 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

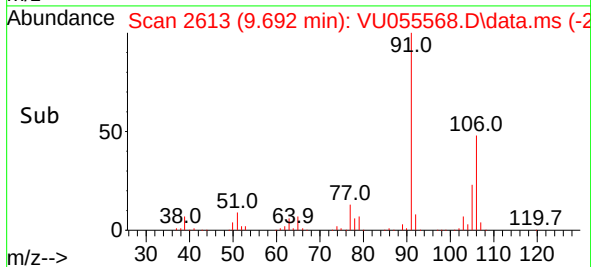
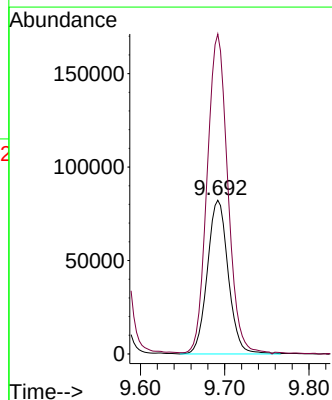
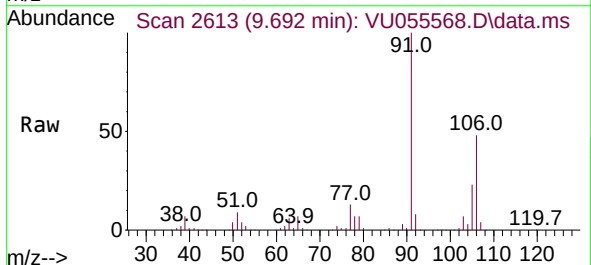
Instrument :
MSVOA_U
ClientSampleId :

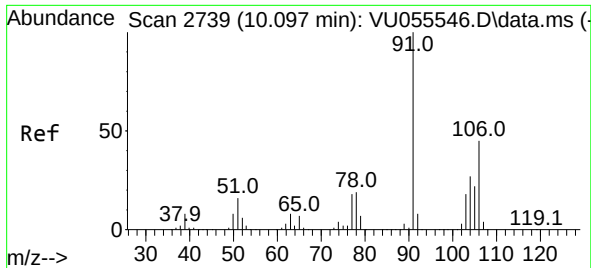
Tgt Ion: 91 Resp: 365343
Ion Ratio Lower Upper
91 100
106 31.3 22.4 41.6



#53
m,p-Xylene
Concen: 5.286 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

Tgt Ion: 106 Resp: 141716
Ion Ratio Lower Upper
106 100
91 208.0 144.8 269.0

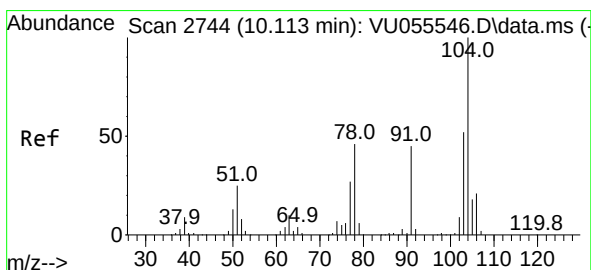
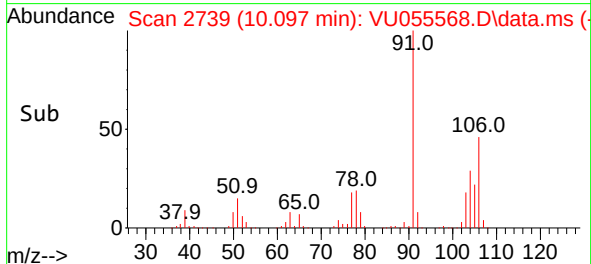
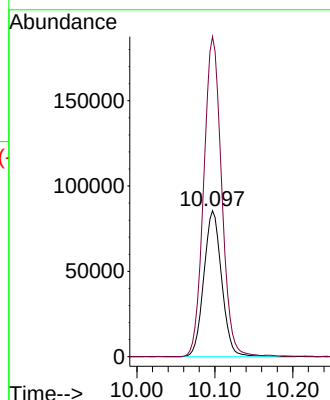
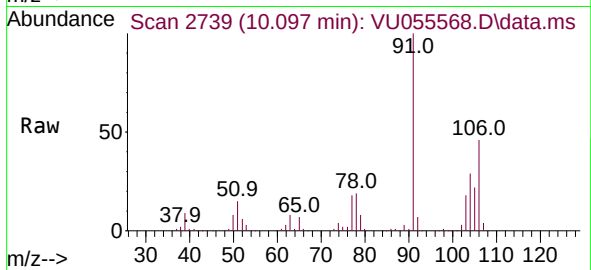




#54
o-Xylene
Concen: 5.211 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

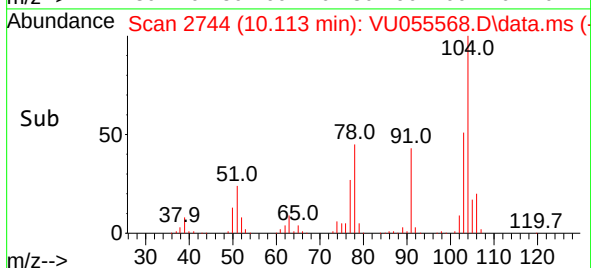
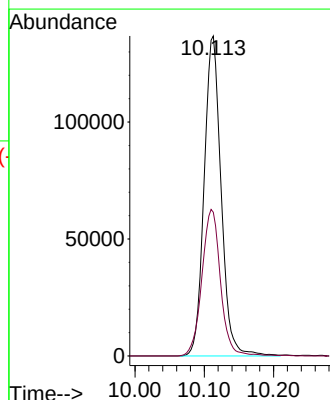
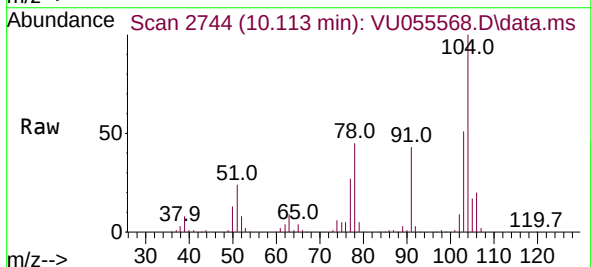
Instrument :
MSVOA_U
ClientSampleId :

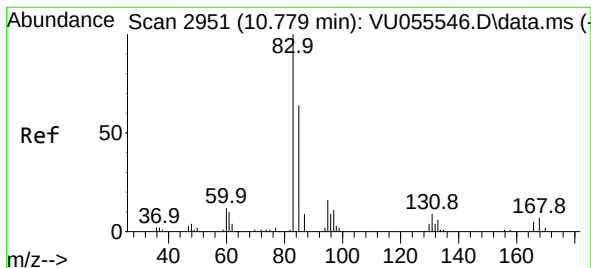
Tgt Ion:106 Resp: 135838
Ion Ratio Lower Upper
106 100
91 219.2 157.6 292.8



#55
Styrene
Concen: 5.521 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

Tgt Ion:104 Resp: 232686
Ion Ratio Lower Upper
104 100
78 44.9 31.2 58.0

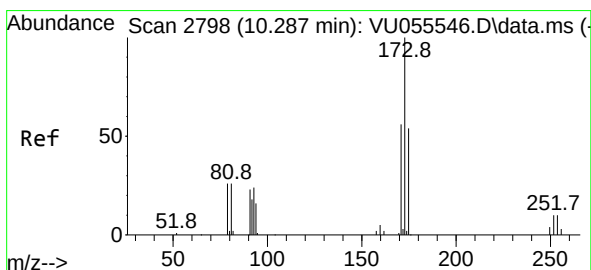
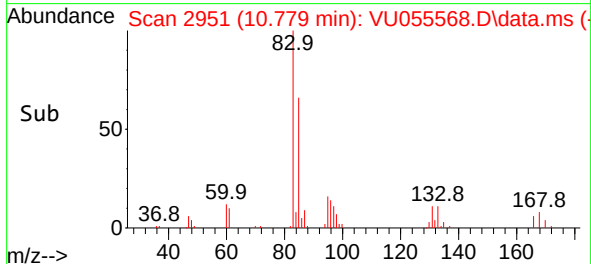
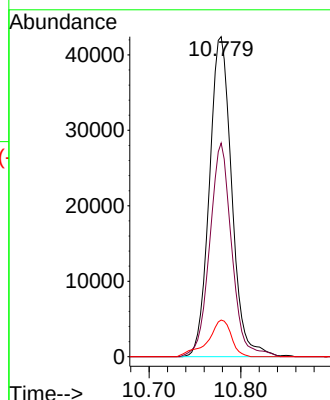
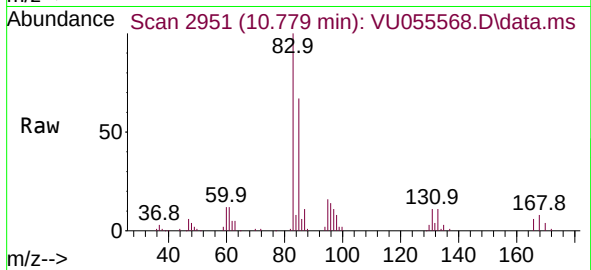




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.543 ug/L
 RT: 10.779 min Scan# 2951
 Delta R.T. -0.000 min
 Lab File: VU055568.D
 Acq: 27 Sep 2023 22:03

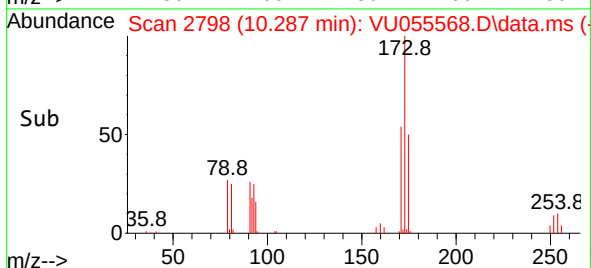
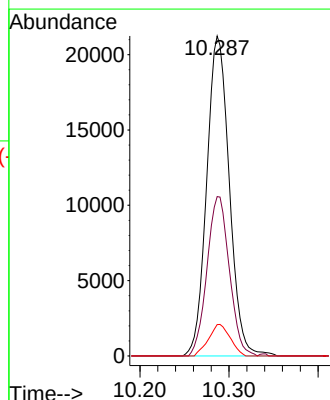
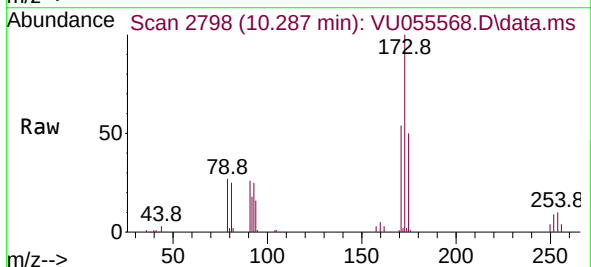
Instrument :
 MSVOA_U
 ClientSampleId :

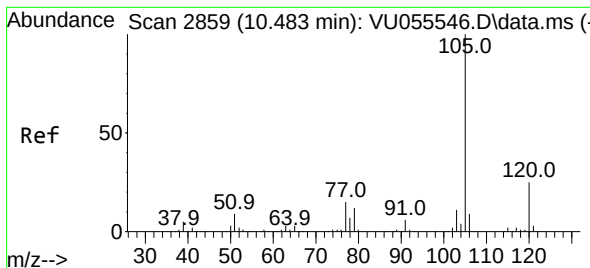
Tgt Ion: 83 Resp: 71784
 Ion Ratio Lower Upper
 83 100
 85 66.8 44.4 82.5
 131 11.4 7.4 11.2#



#59
 Bromoform
 Concen: 5.441 ug/L
 RT: 10.287 min Scan# 2798
 Delta R.T. -0.000 min
 Lab File: VU055568.D
 Acq: 27 Sep 2023 22:03

Tgt Ion: 173 Resp: 37397
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.4 59.2
 254 9.4 7.3 10.9





#60

Isopropylbenzene

Concen: 4.925 ug/L

RT: 10.480 min Scan# 2859

Delta R.T. -0.003 min

Lab File: VU055568.D

Acq: 27 Sep 2023 22:03

Instrument :

MSVOA_U

ClientSampleId :

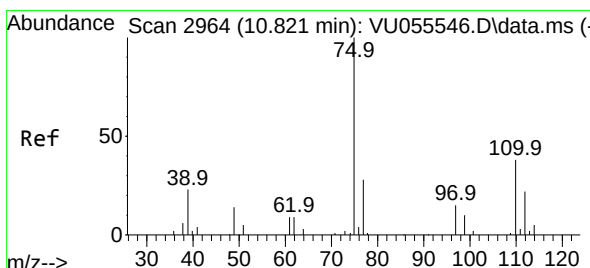
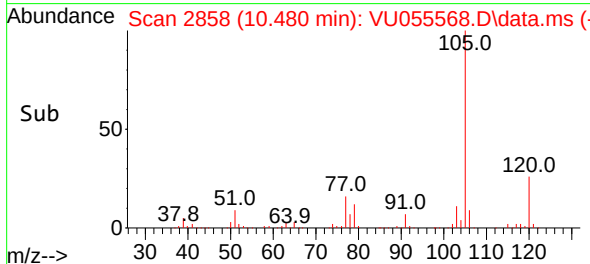
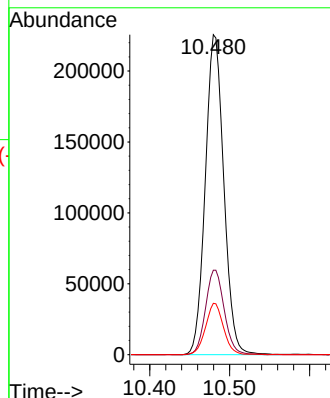
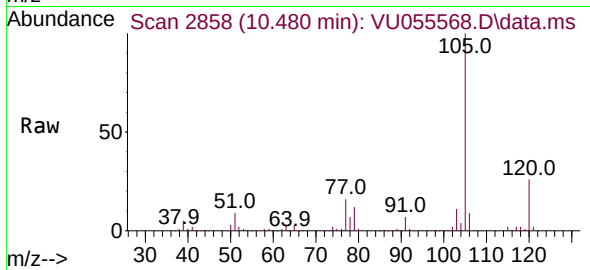
Tgt Ion:105 Resp: 363947

Ion Ratio Lower Upper

105 100

120 26.7 20.8 31.2

77 15.5 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 4.943 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU055568.D

Acq: 27 Sep 2023 22:03

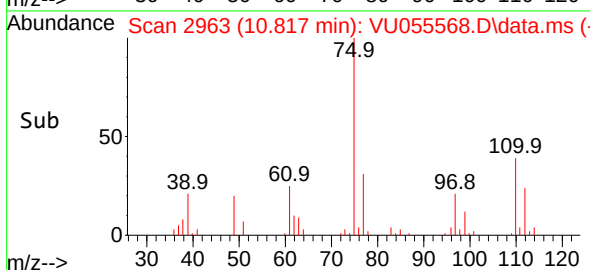
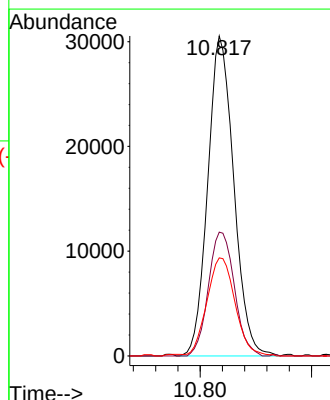
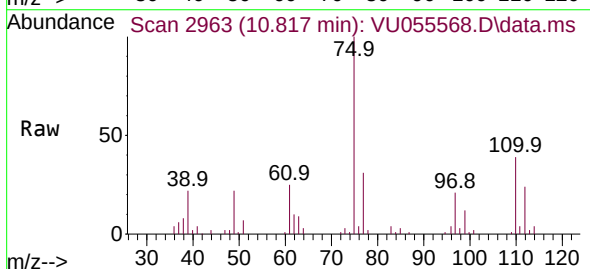
Tgt Ion: 75 Resp: 49481

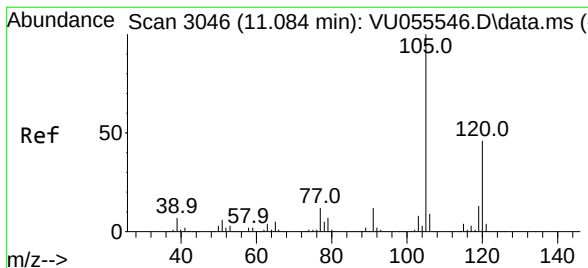
Ion Ratio Lower Upper

75 100

110 38.7 30.6 45.8

77 33.2 26.7 40.1

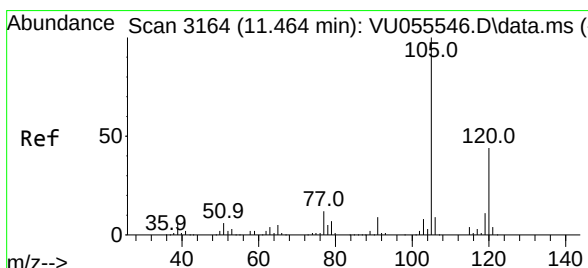
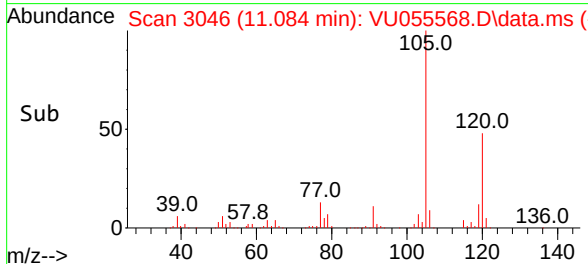
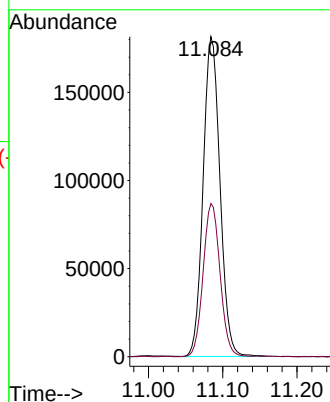
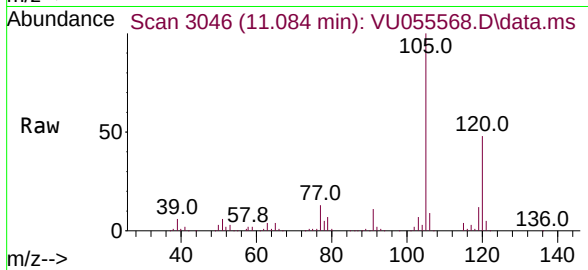




#62
1,3,5-Trimethylbenzene
Concen: 4.844 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

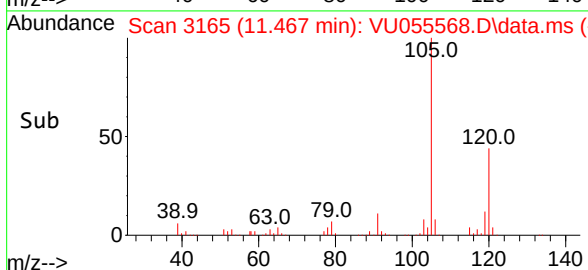
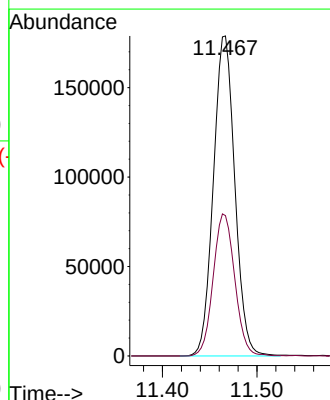
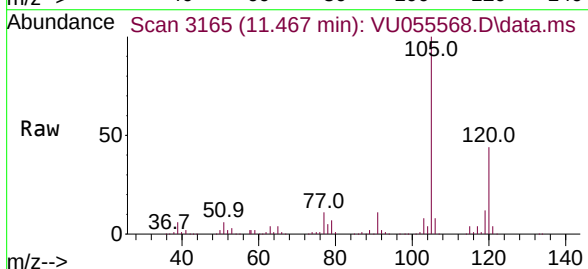
Instrument :
MSVOA_U
ClientSampleId :

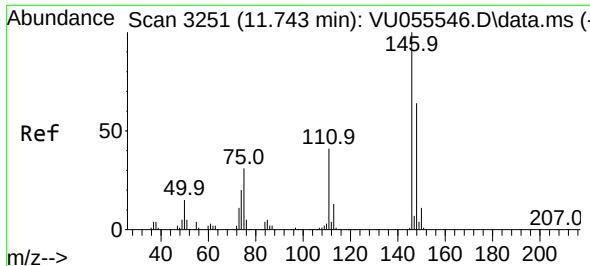
Tgt Ion:105 Resp: 286273
Ion Ratio Lower Upper
105 100
120 48.1 38.1 57.1



#63
1,2,4-Trimethylbenzene
Concen: 4.873 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

Tgt Ion:105 Resp: 281874
Ion Ratio Lower Upper
105 100
120 44.6 34.9 52.3

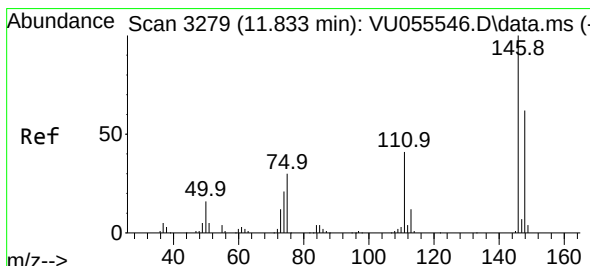
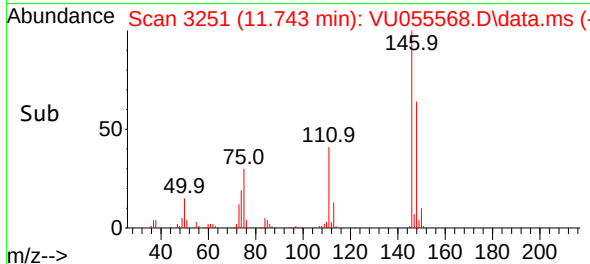
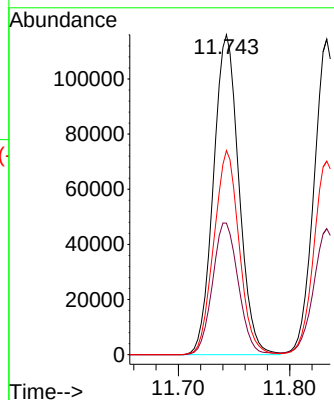
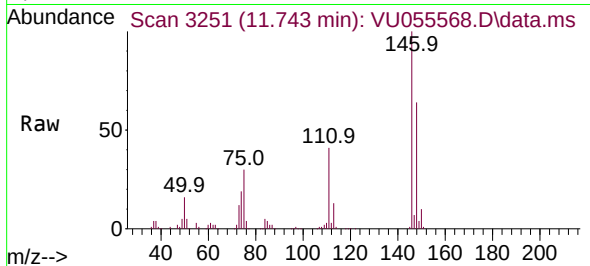




#64
1,3-Dichlorobenzene
Concen: 5.209 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

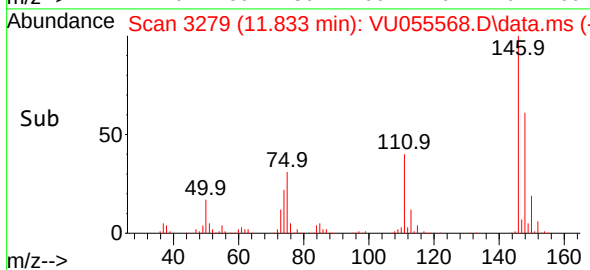
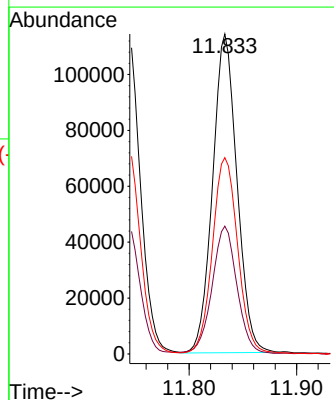
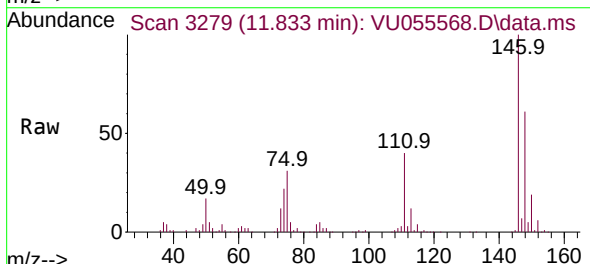
Instrument :
MSVOA_U
ClientSampleId :

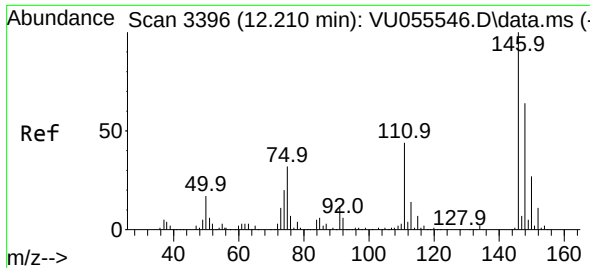
Tgt Ion:146 Resp: 184305
Ion Ratio Lower Upper
146 100
111 41.1 28.8 53.6
148 63.8 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 5.086 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

Tgt Ion:146 Resp: 179852
Ion Ratio Lower Upper
146 100
111 40.0 29.0 53.8
148 61.3 45.4 84.4

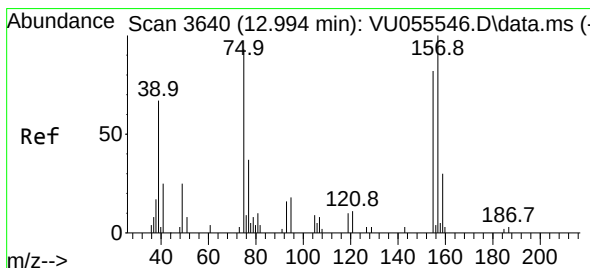
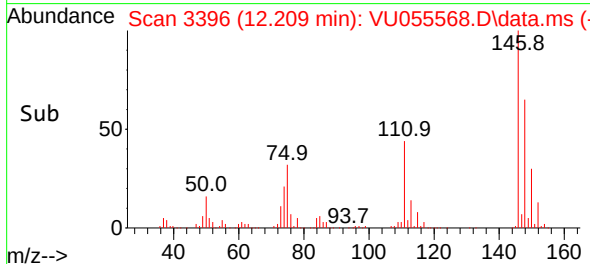
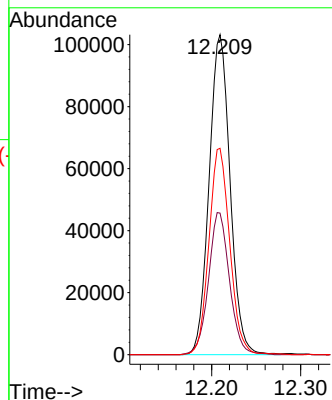
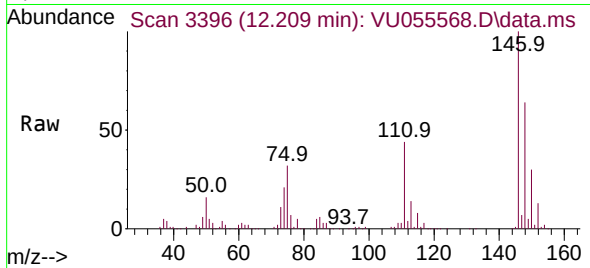




#67
1,2-Dichlorobenzene
Concen: 5.202 ug/L
RT: 12.209 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

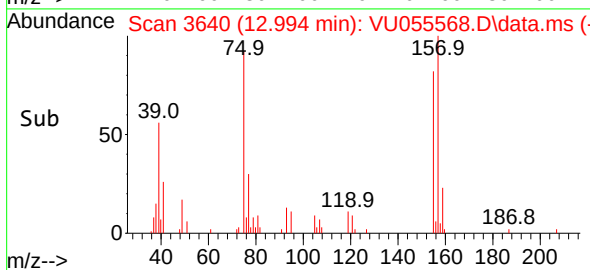
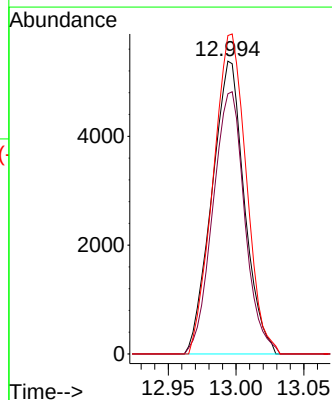
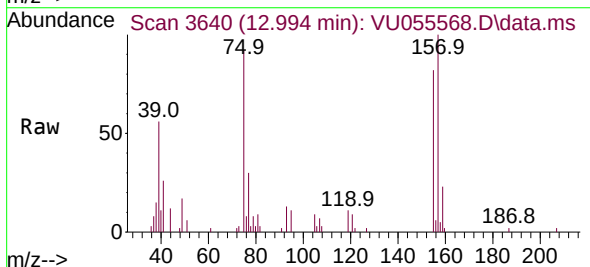
Instrument :
MSVOA_U
ClientSampleId :

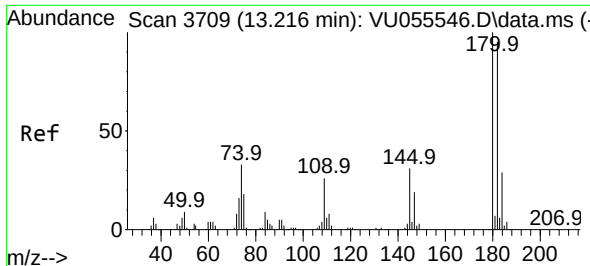
Tgt Ion:146 Resp: 168766
Ion Ratio Lower Upper
146 100
111 44.3 34.6 52.0
148 64.5 51.8 77.8



#68
1,2-Dibromo-3-chloropropane
Concen: 5.172 ug/L
RT: 12.994 min Scan# 3640
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

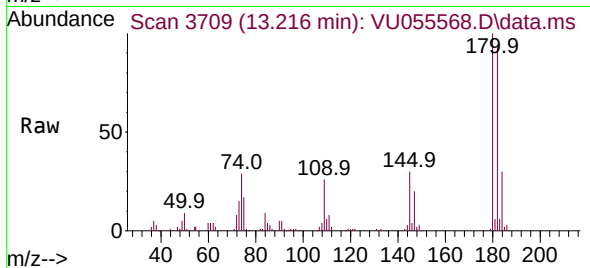
Tgt Ion: 75 Resp: 8974
Ion Ratio Lower Upper
75 100
155 88.8 69.2 103.8
157 108.7 81.9 122.9



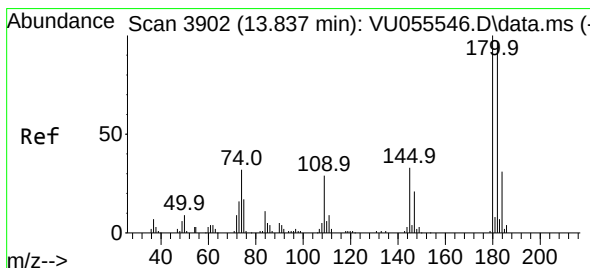
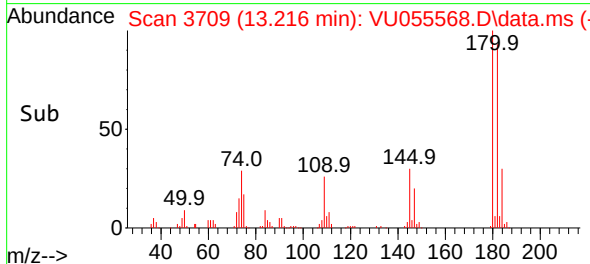
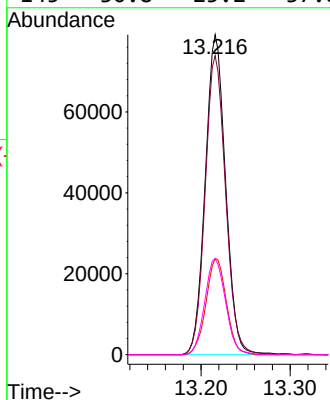


#69
 1,3,5-Trichlorobenzene
 Concen: 5.135 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU055568.D
 Acq: 27 Sep 2023 22:03

Instrument :
 MSVOA_U
 ClientSampleId :

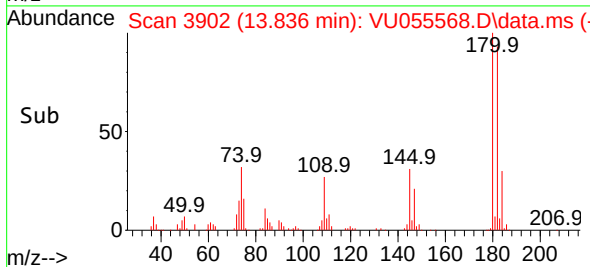
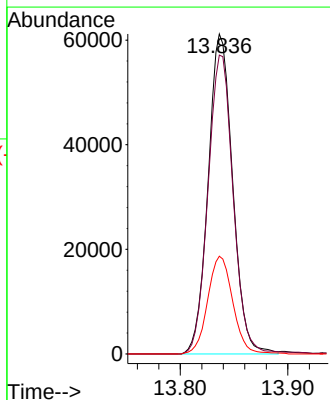
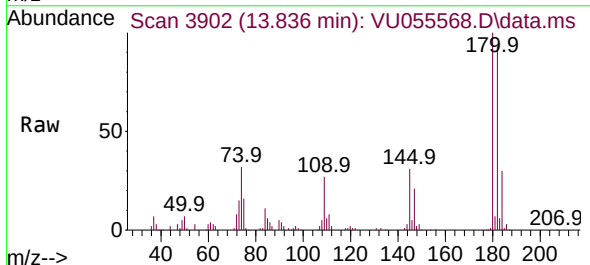


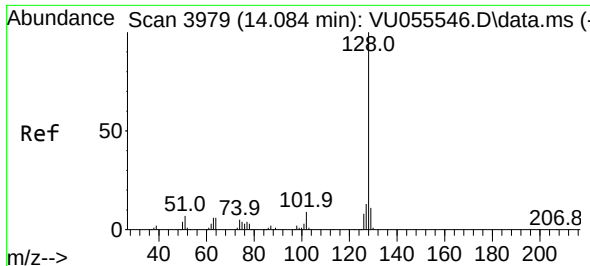
Tgt Ion:180 Resp: 125126
 Ion Ratio Lower Upper
 180 100
 182 94.1 77.1 115.7
 184 30.2 24.0 36.0
 145 30.8 25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.224 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU055568.D
 Acq: 27 Sep 2023 22:03

Tgt Ion:180 Resp: 97045
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.4 114.6
 145 31.2 25.4 38.0

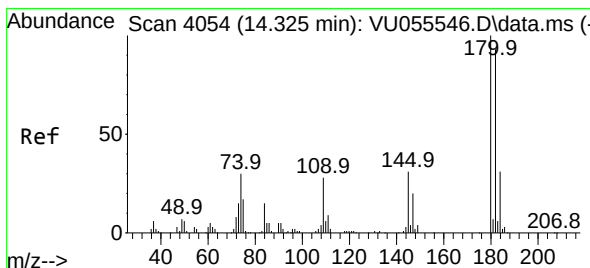
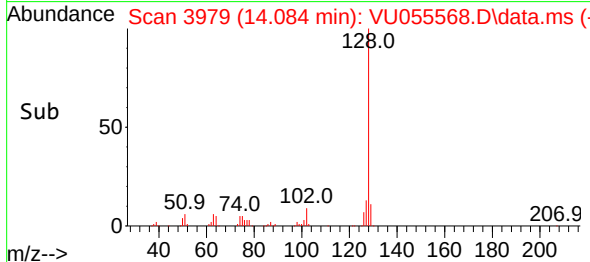
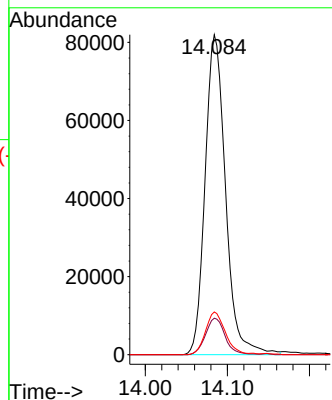
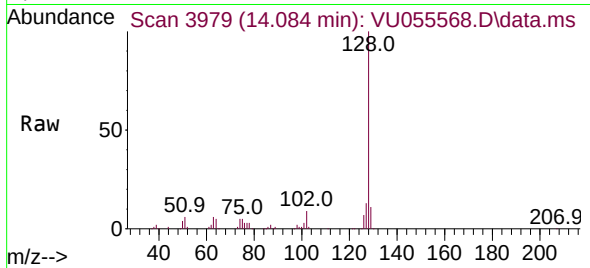




#71
Naphthalene
Concen: 5.279 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.5	12.7
127	13.1	10.2	15.4



#72
1,2,3-Trichlorobenzene
Concen: 5.291 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU055568.D
Acq: 27 Sep 2023 22:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.2	114.4
145	33.7	26.0	39.0

