

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120523\
 Data File : VU056654.D
 Acq On : 05 Dec 2023 15:42
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 06 01:42:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 06 01:41:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	278089	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	276136	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	141254	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	79059	3.801	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.000%
7) Chloroethane-d5	1.911	69	67794	4.251	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.563	65	37890	4.128	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.600%
20) 2-Butanone-d5	4.624	46	242460	58.458	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.920%
24) Chloroform-d	5.058	84	197588	4.911	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	5.698	65	92115	4.955	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.724	84	353029	4.291	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	6.685	67	114884	4.633	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.600%
41) Toluene-d8	7.894	98	307776	4.236	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
43) trans-1,3-Dichloroprop...	8.177	79	43235	4.546	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.631	63	193100	51.671	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.340%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	90473	5.106	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	111785	4.284	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	81985	3.721	ug/L	99
3) Chloromethane	1.518	50	87946	3.906	ug/L	99
5) Vinyl chloride	1.602	62	93370	4.304	ug/L	96
6) Bromomethane	1.856	94	52242	4.758	ug/L	97
8) Chloroethane	1.933	64	55313	4.174	ug/L	98
9) Trichlorofluoromethane	2.136	101	145806	4.664	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	93852	5.057	ug/L	99
12) 1,1-Dichloroethene	2.576	96	83335	4.895	ug/L	94
13) Acetone	2.637	43	142582	40.363	ug/L	100
14) Carbon disulfide	2.792	76	195035	3.521	ug/L	99
15) Methyl Acetate	2.952	43	32713	5.204	ug/L	97
16) Methylene chloride	3.039	84	101708	4.515	ug/L	98
17) Methyl tert-butyl Ether	3.358	73	220666	5.335	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	82621	4.717	ug/L	97
19) 1,1-Dichloroethane	3.862	63	185773	5.354	ug/L	98
21) 2-Butanone	4.705	43	217049	47.352	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	100572	5.063	ug/L	96
23) Bromochloromethane	4.968	128	43258	5.291	ug/L	96
25) Chloroform	5.081	83	196341	5.223	ug/L	97

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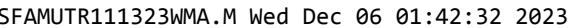
Instrument :
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 ClientSampleId :

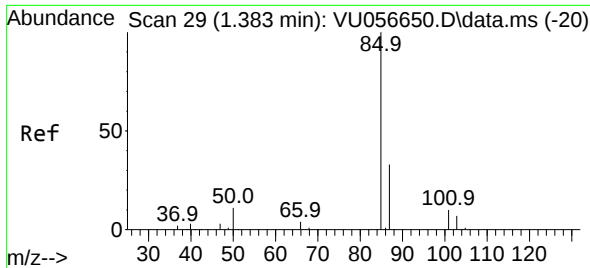
Quant Time: Dec 06 01:42:23 2023
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	112213	5.258	ug/L #	95
29) 1,1,1-Trichloroethane	5.309	97	165669	5.227	ug/L	99
30) Cyclohexane	5.383	56	119299	3.965	ug/L	100
31) Carbon tetrachloride	5.518	117	134864	4.954	ug/L	99
33) Benzene	5.769	78	382449	4.854	ug/L	100
34) Trichloroethene	6.537	95	105162	4.899	ug/L	96
35) Methylcyclohexane	6.759	83	125164	4.039	ug/L	97
37) 1,2-Dichloropropane	6.785	63	105328	5.126	ug/L	100
38) Bromodichloromethane	7.100	83	139091	5.244	ug/L	100
39) cis-1,3-Dichloropropene	7.605	75	146426	4.850	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	533115	52.341	ug/L	99
42) Toluene	7.965	91	407276	4.993	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	125483	5.213	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	75601	5.525	ug/L	94
47) Tetrachloroethene	8.550	164	71117	4.913	ug/L	98
48) 2-Hexanone	8.682	43	384286	48.430	ug/L	97
49) Dibromochloromethane	8.804	129	83888	5.391	ug/L	95
50) 1,2-Dibromoethane	8.920	107	65612	5.079	ug/L	100
51) Chlorobenzene	9.444	112	260386	4.968	ug/L	99
52) Ethylbenzene	9.566	91	449461	4.962	ug/L	99
53) m,p-Xylene	9.692	106	170600	5.123	ug/L	96
54) o-Xylene	10.097	106	163513	5.055	ug/L	96
55) Styrene	10.113	104	282743	5.255	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	87246	5.222	ug/L	97
59) Bromoform	10.287	173	47484	5.397	ug/L	99
60) Isopropylbenzene	10.479	105	446904	4.906	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	62579	5.163	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	365826	4.891	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	365109	4.945	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	206756	4.989	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	201835	4.856	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	191534	5.038	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	11126	4.298	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	153919	4.933	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	114419	4.503	ug/L	98
71) Naphthalene	14.084	128	154826	4.033	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	95695	4.572	ug/L	97

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

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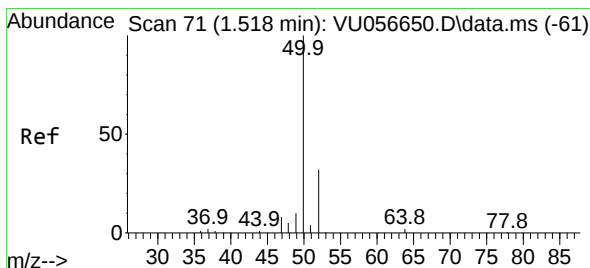
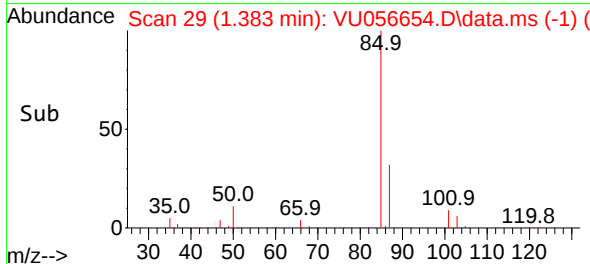
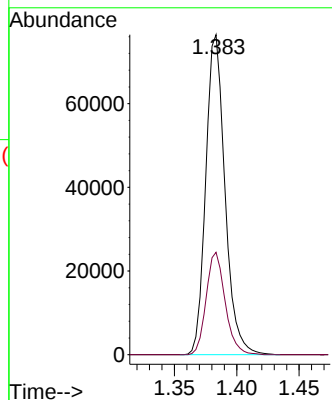
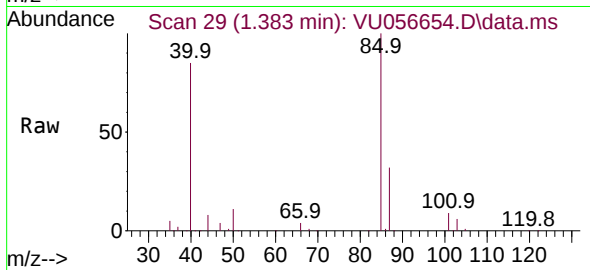




#2
 Dichlorodifluoromethane
 Concen: 3.721 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU056654.D
 Acq: 05 Dec 2023 15:42

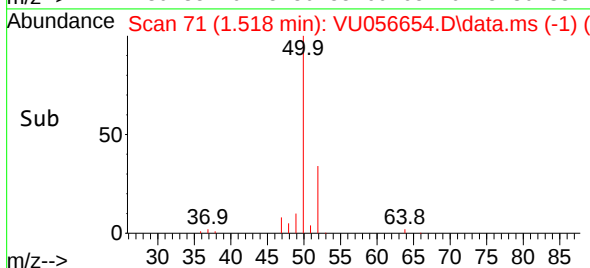
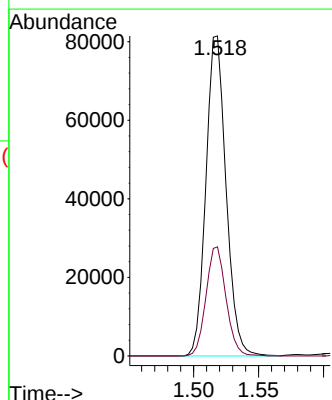
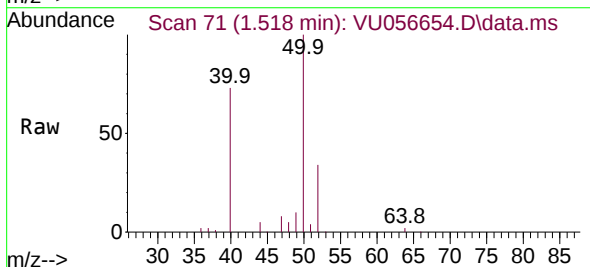
Instrument :
 MSVOA_U
 ClientSampleId :

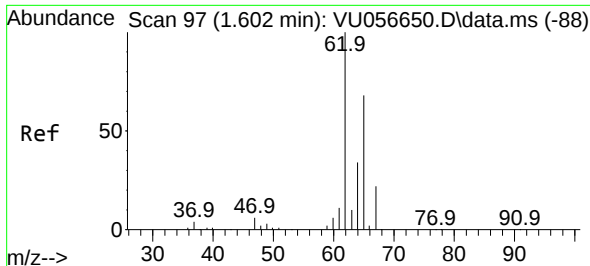
Tgt Ion: 85 Resp: 81985
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.0 37.4



#3
 Chloromethane
 Concen: 3.906 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU056654.D
 Acq: 05 Dec 2023 15:42

Tgt Ion: 50 Resp: 87946
 Ion Ratio Lower Upper
 50 100
 52 34.1 24.3 45.1

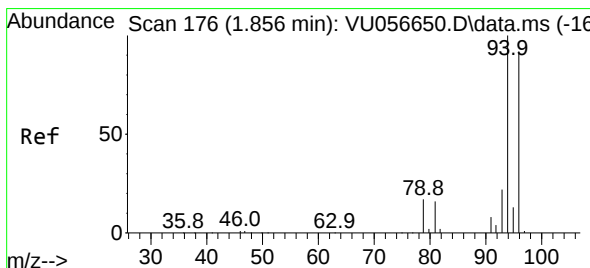
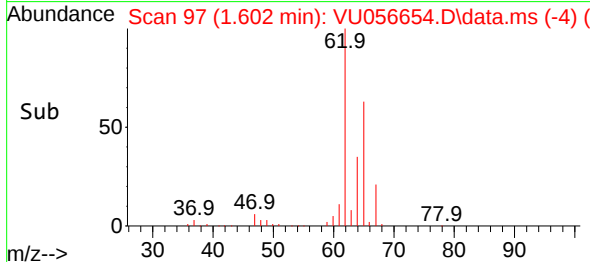
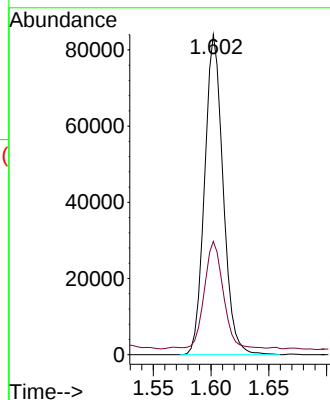
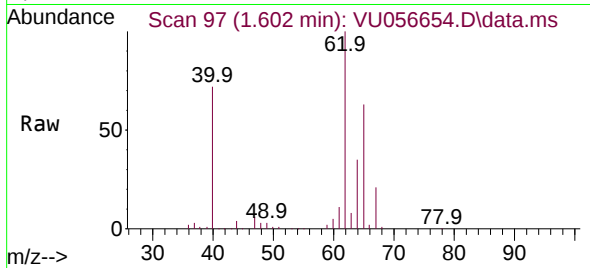




#5
 Vinyl chloride
 Concen: 4.304 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056654.D
 Acq: 05 Dec 2023 15:42

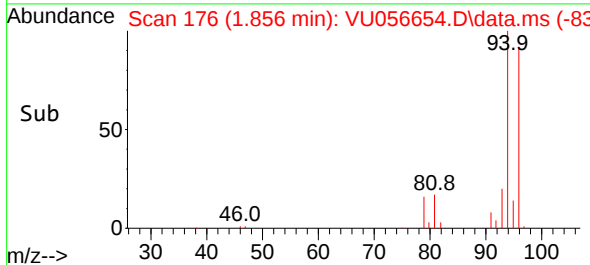
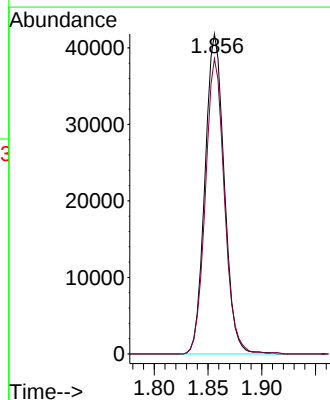
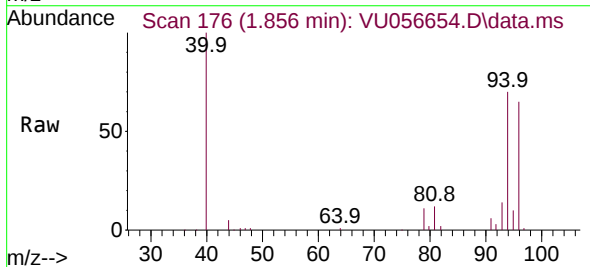
Instrument :
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 ClientSampleId :

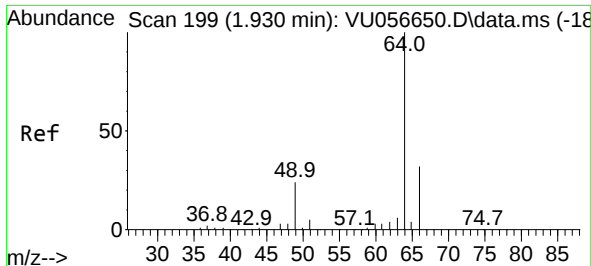
Tgt Ion: 62 Resp: 93370
 Ion Ratio Lower Upper
 62 100
 64 35.4 23.3 43.3



#6
 Bromomethane
 Concen: 4.758 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU056654.D
 Acq: 05 Dec 2023 15:42

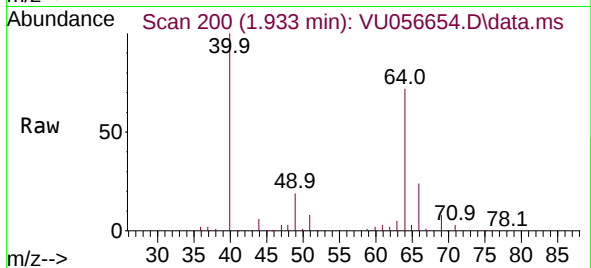
Tgt Ion: 94 Resp: 52242
 Ion Ratio Lower Upper
 94 100
 96 92.2 62.6 116.2



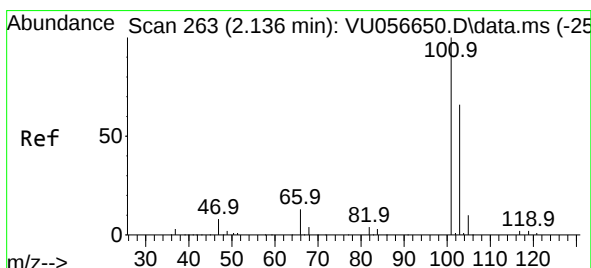
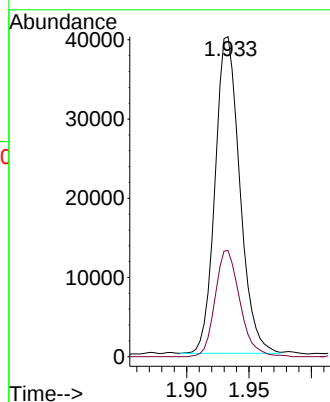
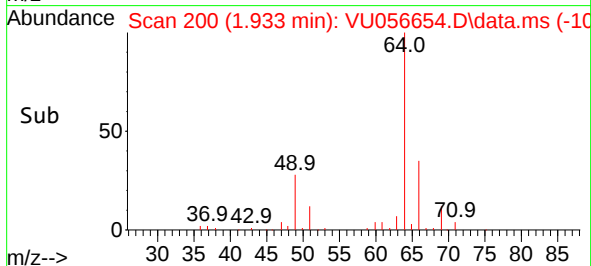


#8
Chloroethane
Concen: 4.174 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.003 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

Instrument :
MSVOA_U
ClientSampleId :

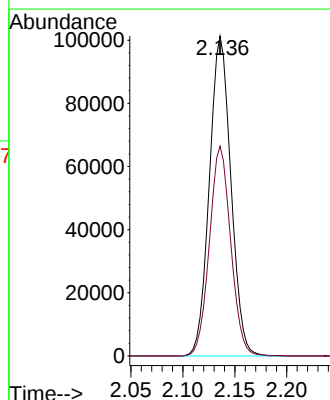
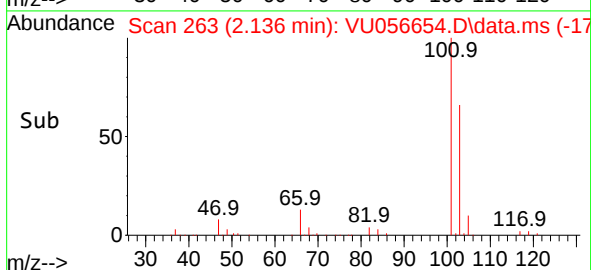
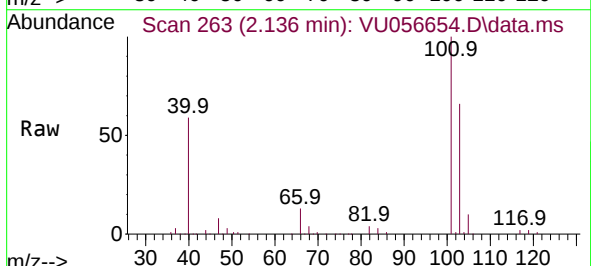


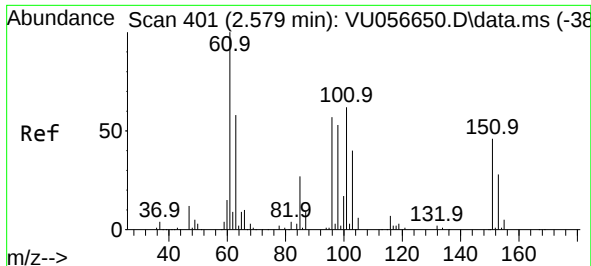
Tgt Ion: 64 Resp: 55313
Ion Ratio Lower Upper
64 100
66 33.1 23.9 44.5



#9
Trichlorofluoromethane
Concen: 4.664 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

Tgt Ion:101 Resp: 145806
Ion Ratio Lower Upper
101 100
103 64.8 52.0 78.0





#10

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

Concen: 5.057 ug/L

RT: 2.576 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

Instrument :

MSVOA_U

ClientSampleId :

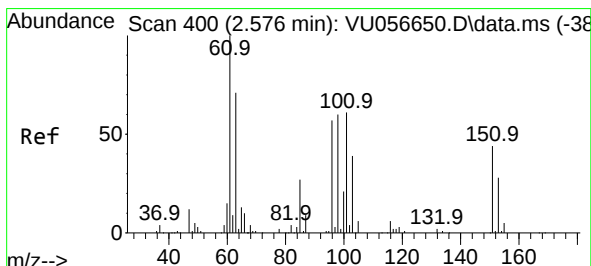
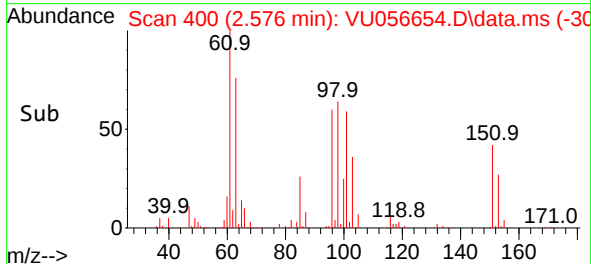
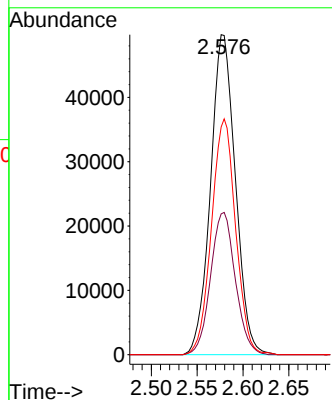
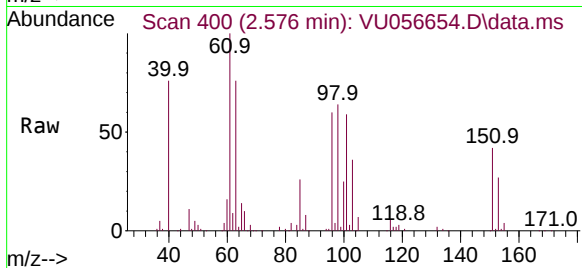
Tgt Ion:101 Resp: 93852

Ion Ratio Lower Upper

101 100

85 44.2 35.4 53.0

151 71.6 58.0 87.0



#12

1,1-Dichloroethene

Concen: 4.895 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

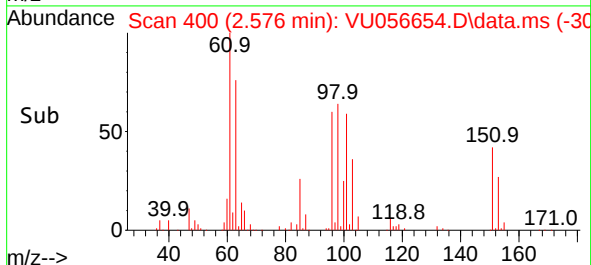
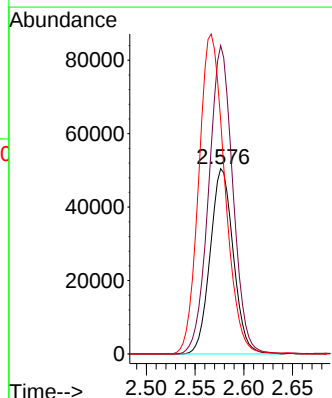
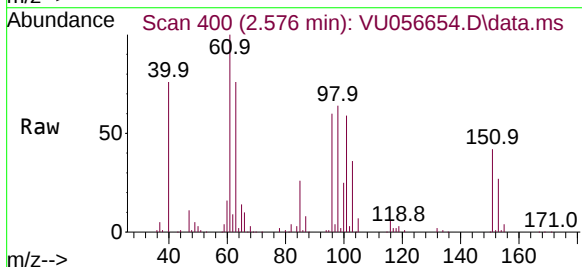
Tgt Ion: 96 Resp: 83335

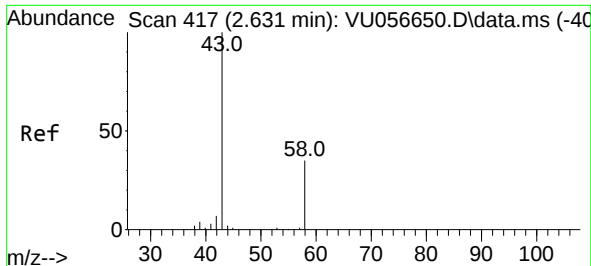
Ion Ratio Lower Upper

96 100

61 166.4 123.1 228.7

63 126.1 93.3 173.3





#13

Acetone

Concen: 40.363 ug/L

RT: 2.637 min Scan# 417

Delta R.T. 0.006 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

Instrument :

MSVOA_U

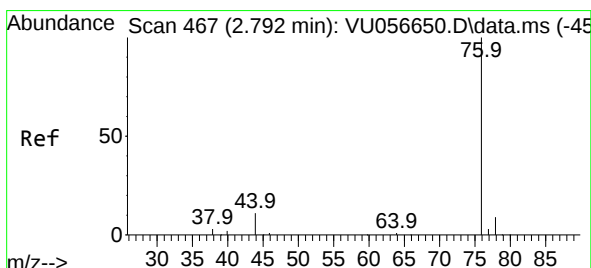
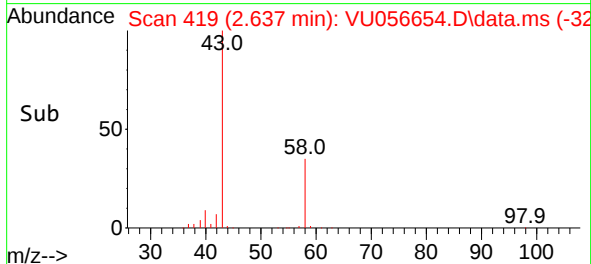
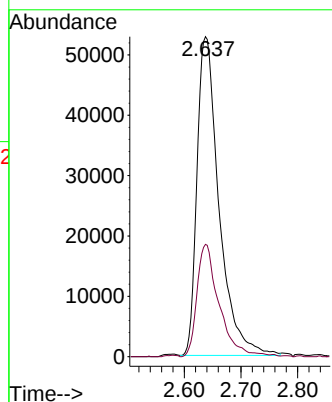
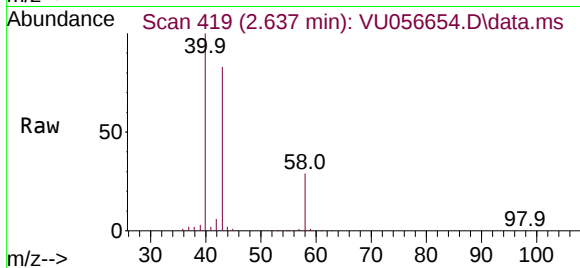
ClientSampleId :

Tgt Ion: 43 Resp: 142582

Ion Ratio Lower Upper

43 100

58 35.2 0.0 70.0



#14

Carbon disulfide

Concen: 3.521 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU056654.D

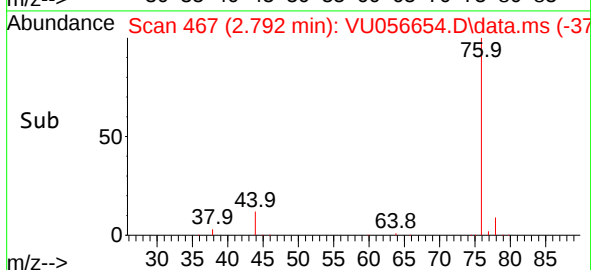
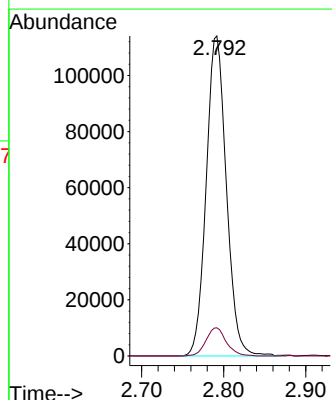
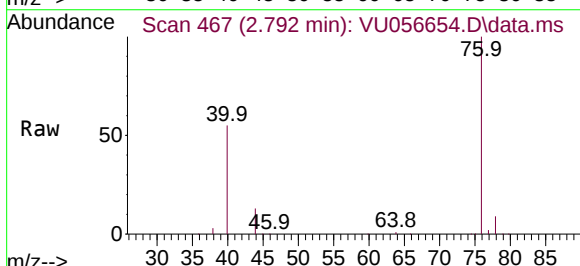
Acq: 05 Dec 2023 15:42

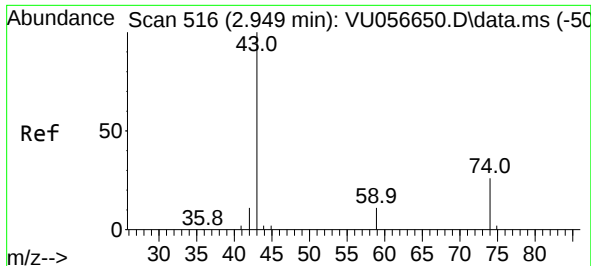
Tgt Ion: 76 Resp: 195035

Ion Ratio Lower Upper

76 100

78 8.8 6.8 10.2

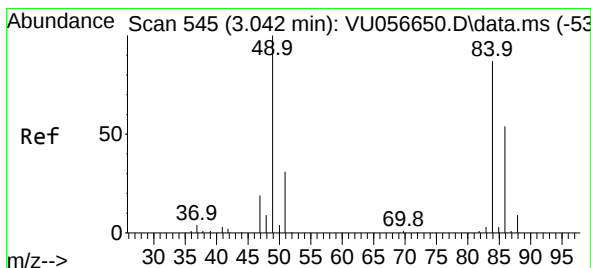
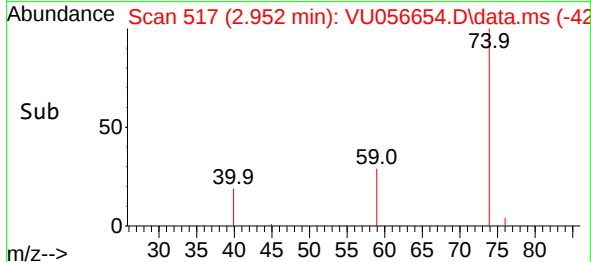
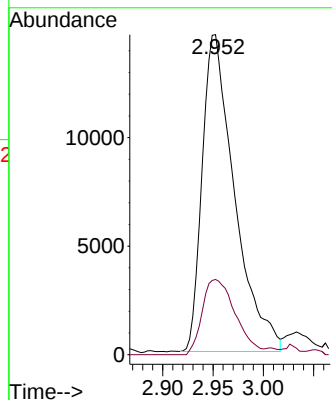
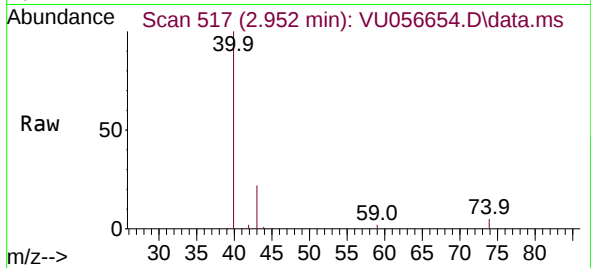




#15
Methyl Acetate
Concen: 5.204 ug/L
RT: 2.952 min Scan# 516
Delta R.T. 0.003 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

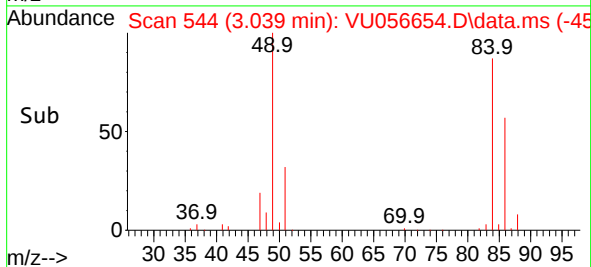
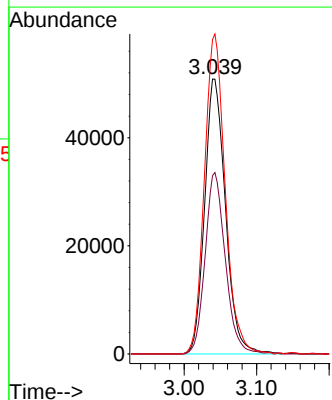
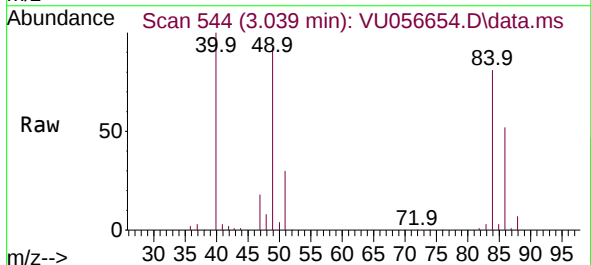
Instrument :
MSVOA_U
ClientSampleId :

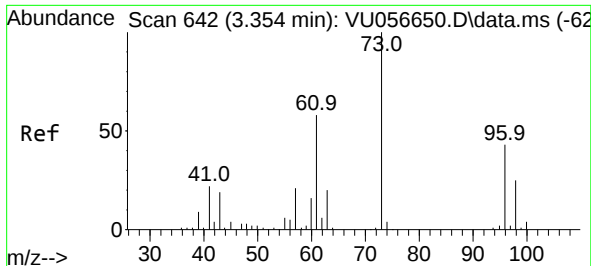
Tgt Ion: 43 Resp: 32713
Ion Ratio Lower Upper
43 100
74 24.3 20.6 31.0



#16
Methylene chloride
Concen: 4.515 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

Tgt Ion: 84 Resp: 101708
Ion Ratio Lower Upper
84 100
86 64.9 44.7 83.1
49 114.4 81.8 152.0





#17

Methyl tert-butyl Ether

Concen: 5.335 ug/L

RT: 3.358 min Scan# 642

Delta R.T. 0.003 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

Instrument :

MSVOA_U

ClientSampleId :

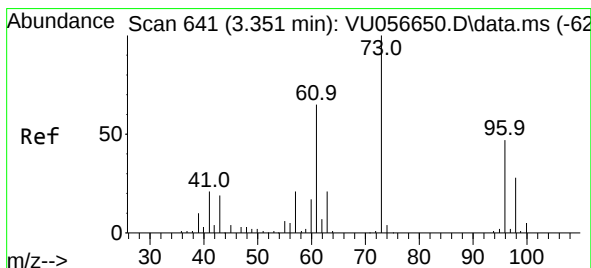
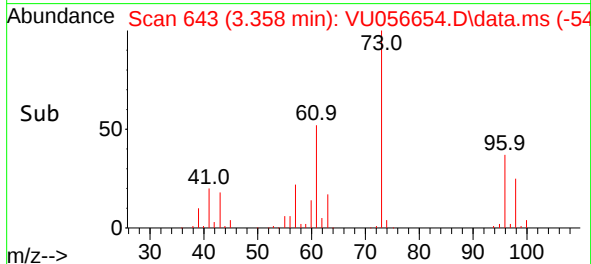
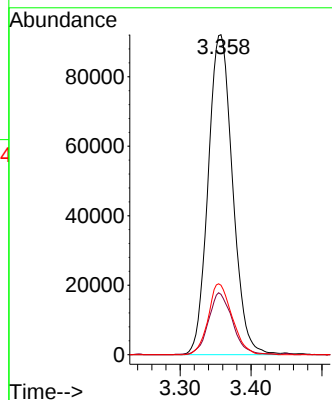
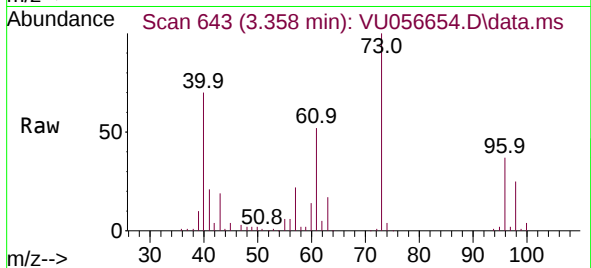
Tgt Ion: 73 Resp: 220666

Ion Ratio Lower Upper

73 100

43 19.1 15.1 22.7

57 21.6 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 4.717 ug/L

RT: 3.351 min Scan# 641

Delta R.T. -0.000 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

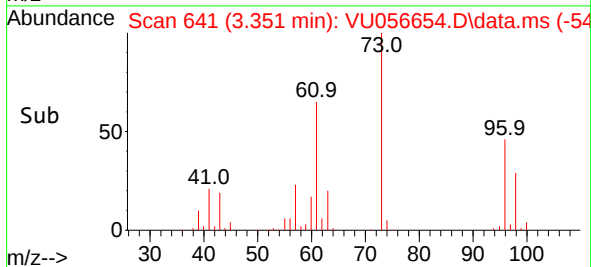
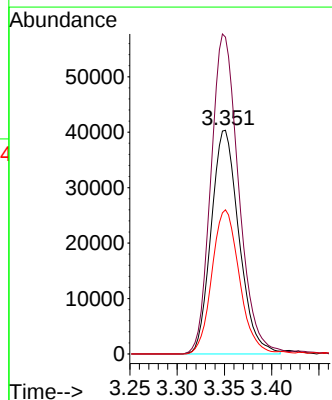
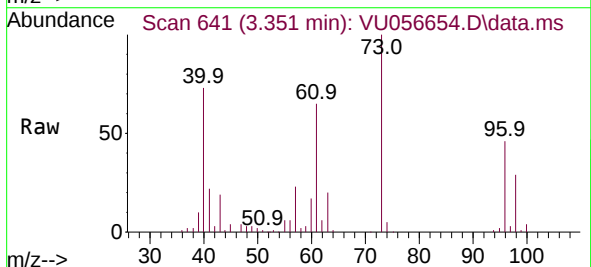
Tgt Ion: 96 Resp: 82621

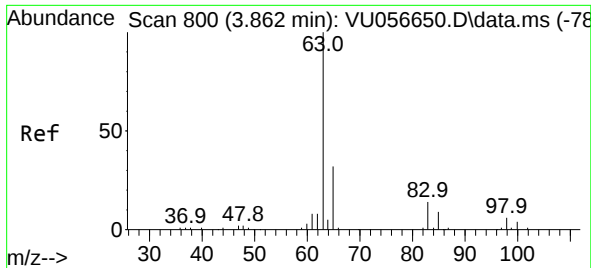
Ion Ratio Lower Upper

96 100

61 141.6 101.7 188.9

98 64.4 43.0 80.0

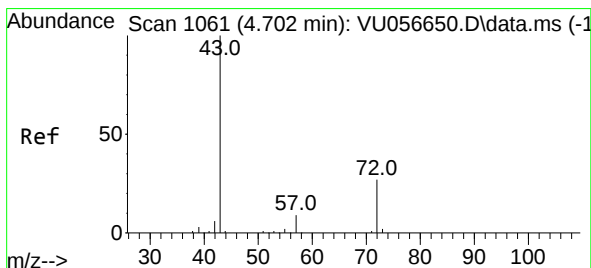
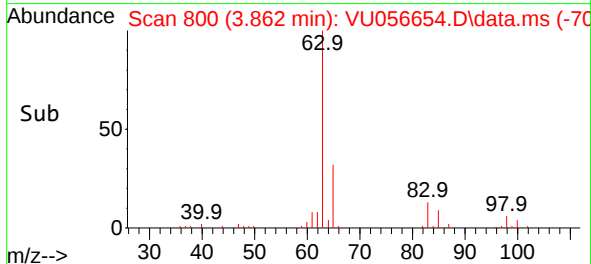
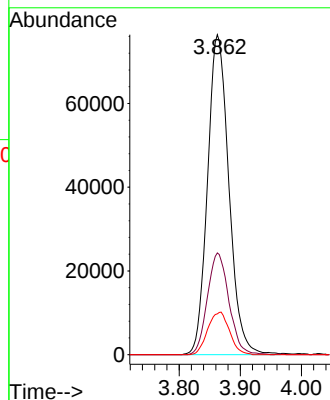
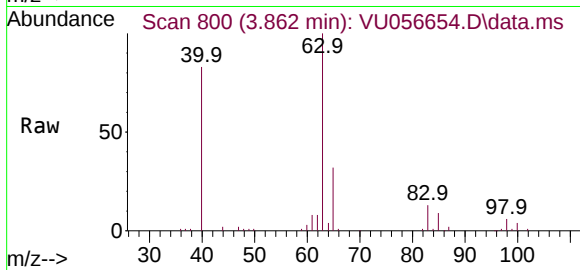




#19
1,1-Dichloroethane
Concen: 5.354 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

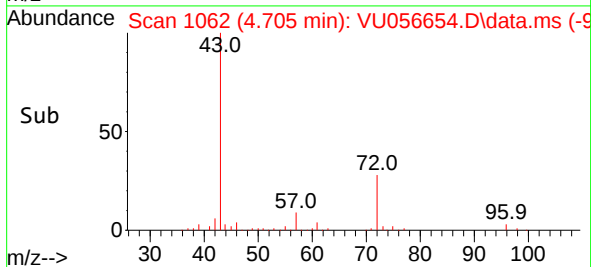
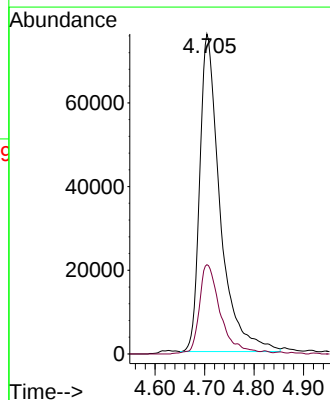
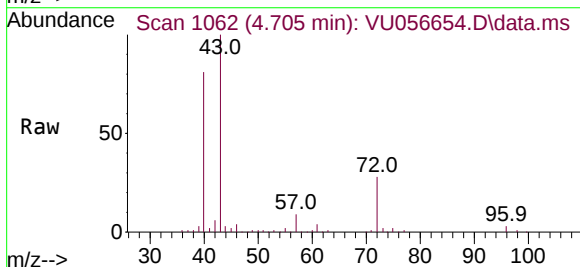
Instrument :
MSVOA_U
ClientSampleId :

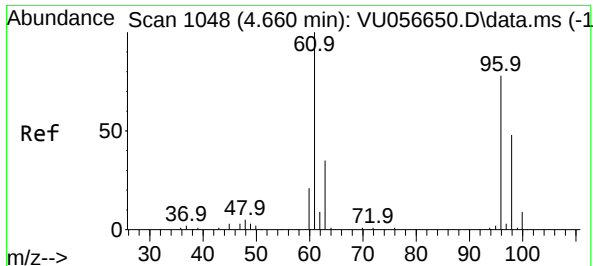
Tgt Ion: 63 Resp: 185773
Ion Ratio Lower Upper
63 100
65 31.8 21.8 40.6
83 12.8 9.7 17.9



#21
2-Butanone
Concen: 47.352 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. 0.003 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

Tgt Ion: 43 Resp: 217049
Ion Ratio Lower Upper
43 100
72 29.1 14.2 42.6

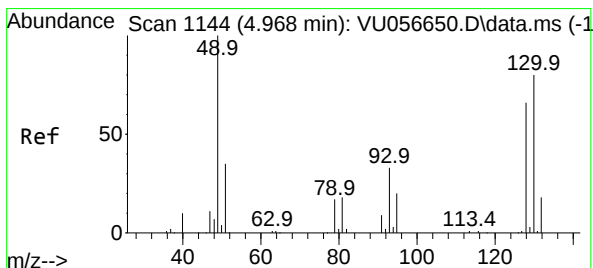
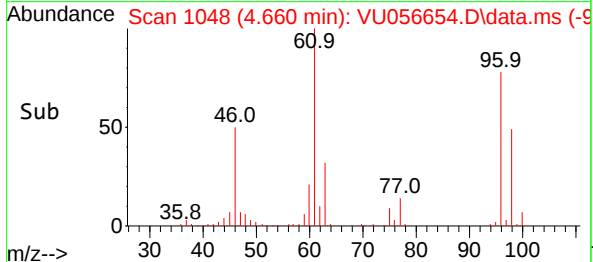
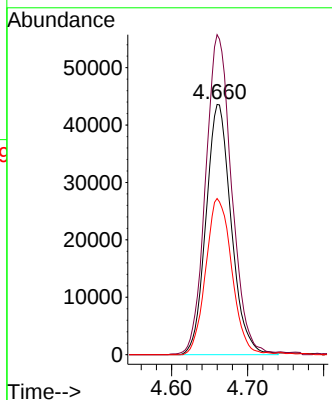
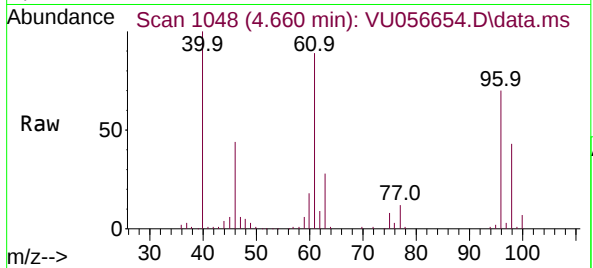




#22
 cis-1,2-Dichloroethene
 Concen: 5.063 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU056654.D
 Acq: 05 Dec 2023 15:42

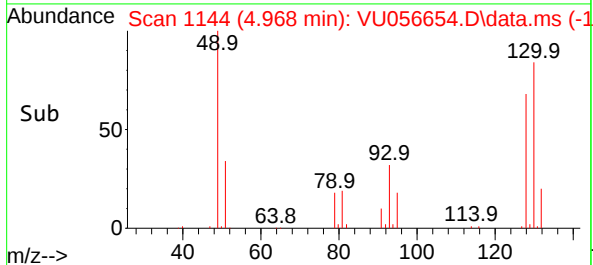
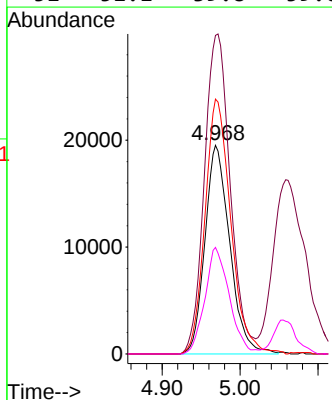
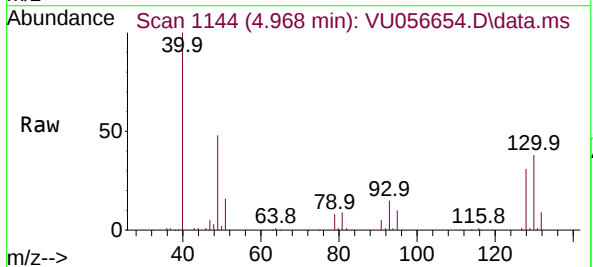
Instrument :
 MSVOA_U
 ClientSampleId :

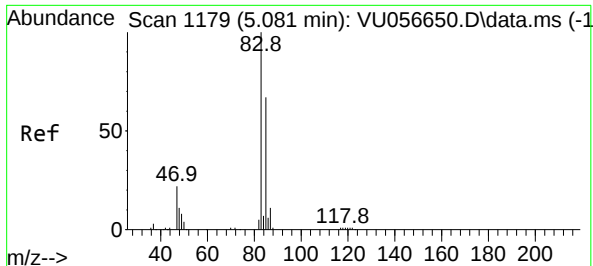
Tgt Ion: 96 Resp: 100572
 Ion Ratio Lower Upper
 96 100
 61 127.9 93.2 173.2
 98 62.4 44.8 83.2



#23
 Bromochloromethane
 Concen: 5.291 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU056654.D
 Acq: 05 Dec 2023 15:42

Tgt Ion: 128 Resp: 43258
 Ion Ratio Lower Upper
 128 100
 49 152.7 113.4 210.6
 130 122.1 84.8 157.6
 51 51.1 39.8 59.6





#25

Chloroform

Concen: 5.223 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

Instrument :

MSVOA_U

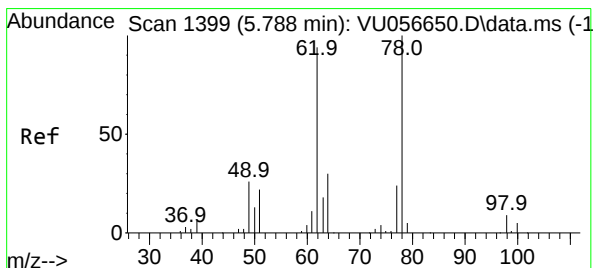
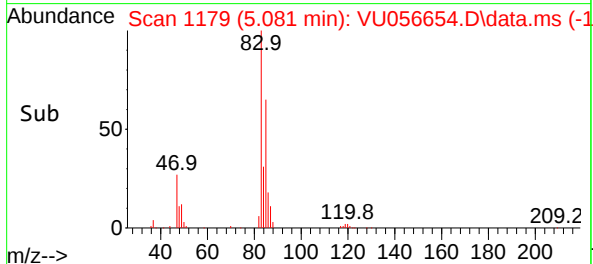
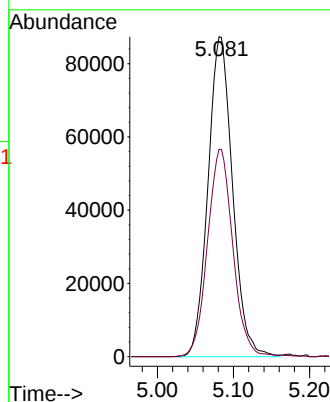
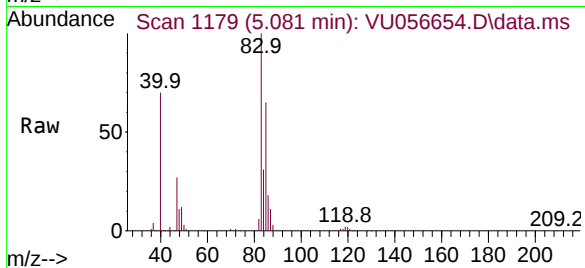
ClientSampleId :

Tgt Ion: 83 Resp: 196341

Ion Ratio Lower Upper

83 100

85 64.8 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.258 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU056654.D

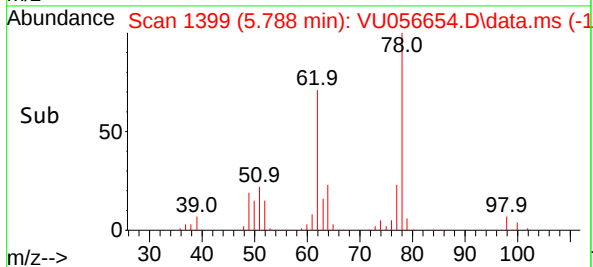
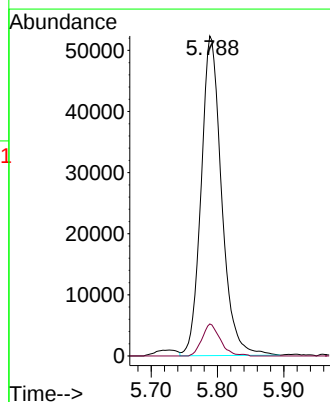
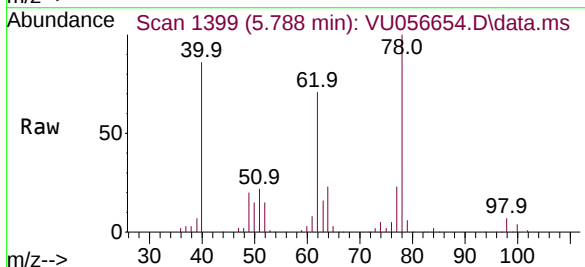
Acq: 05 Dec 2023 15:42

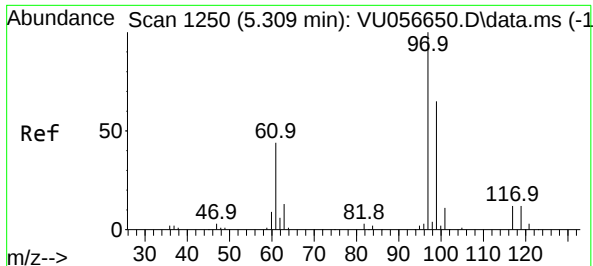
Tgt Ion: 62 Resp: 112213

Ion Ratio Lower Upper

62 100

98 10.0 6.6 10.0#

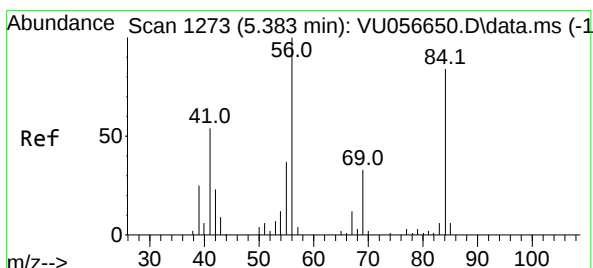
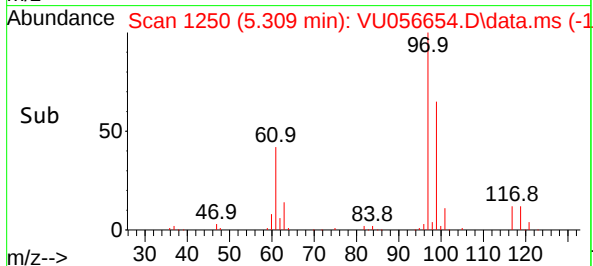
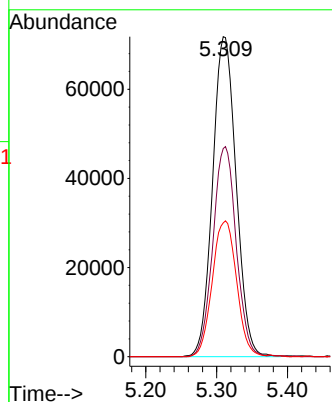
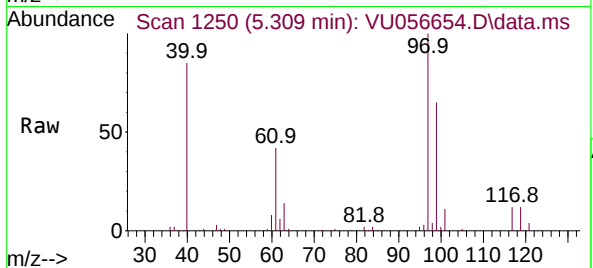




#29
1,1,1-Trichloroethane
Concen: 5.227 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

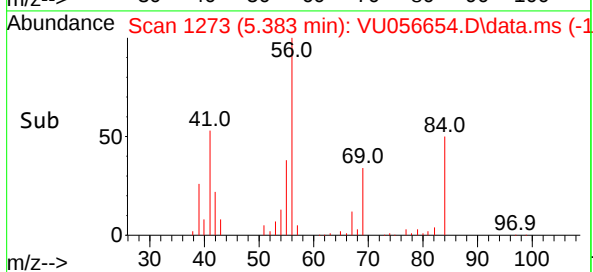
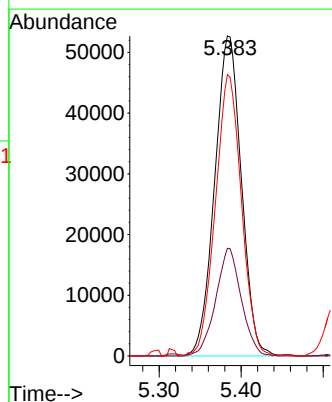
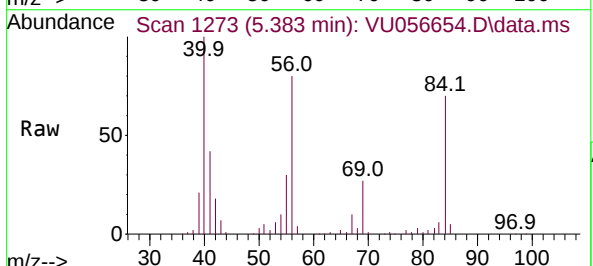
Instrument :
MSVOA_U
ClientSampleId :

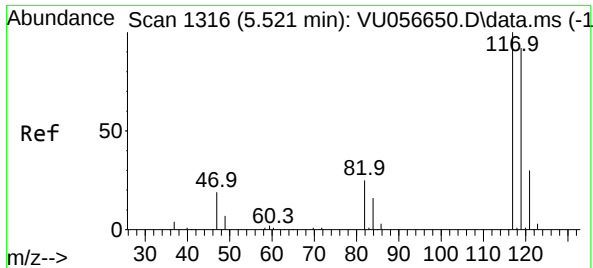
Tgt Ion: 97 Resp: 165669
Ion Ratio Lower Upper
97 100
99 65.0 51.6 77.4
61 43.8 34.3 51.5



#30
Cyclohexane
Concen: 3.965 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

Tgt Ion: 56 Resp: 119299
Ion Ratio Lower Upper
56 100
69 32.1 25.4 38.2
84 85.6 68.6 103.0

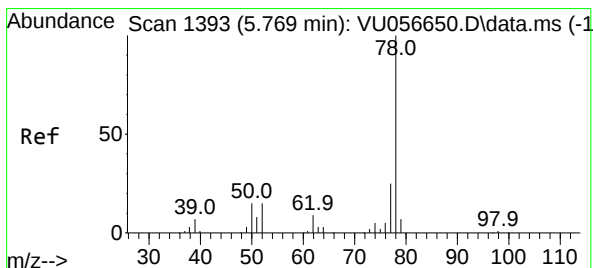
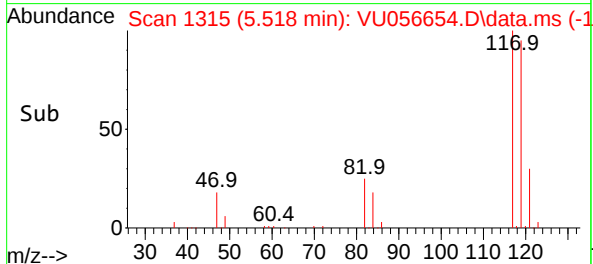
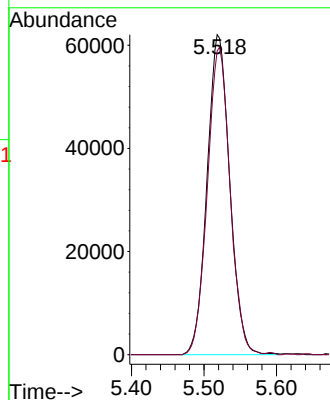
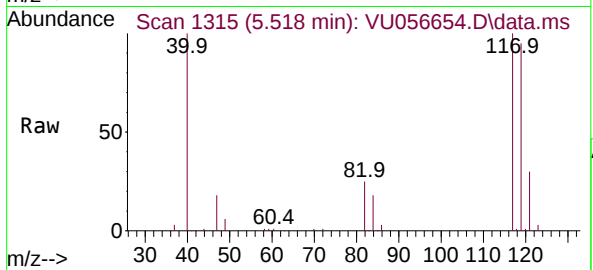




#31
Carbon tetrachloride
Concen: 4.954 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

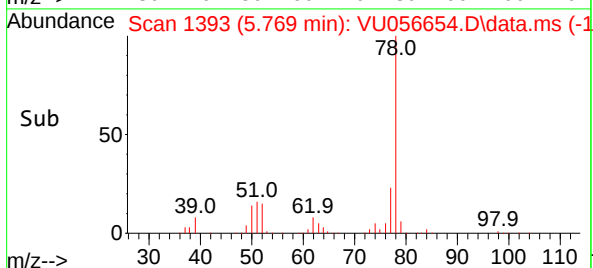
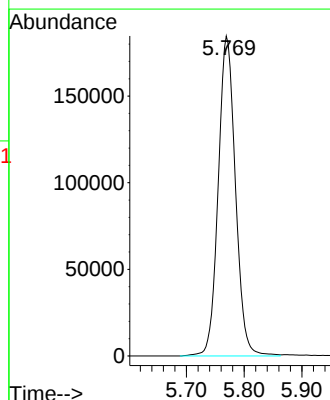
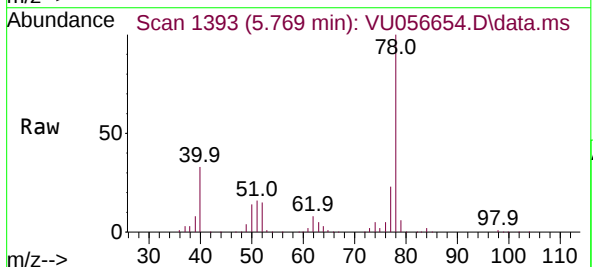
Instrument :
MSVOA_U
ClientSampleId :

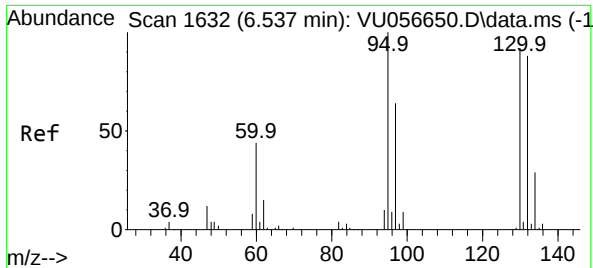
Tgt Ion:117 Resp: 134864
Ion Ratio Lower Upper
117 100
119 96.1 78.1 117.1



#33
Benzene
Concen: 4.854 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

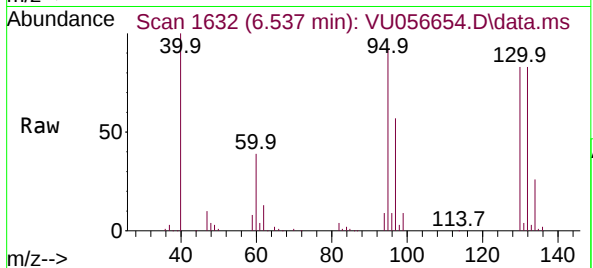
Tgt Ion: 78 Resp: 382449





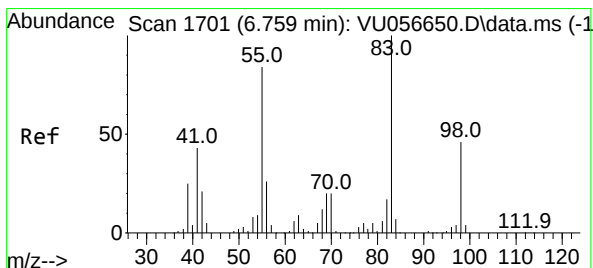
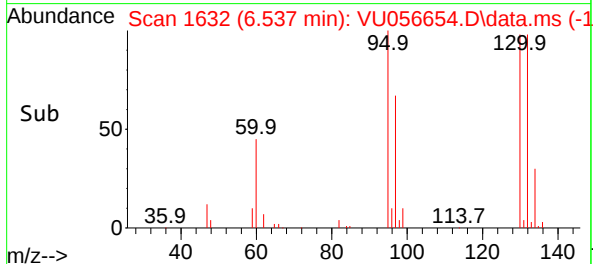
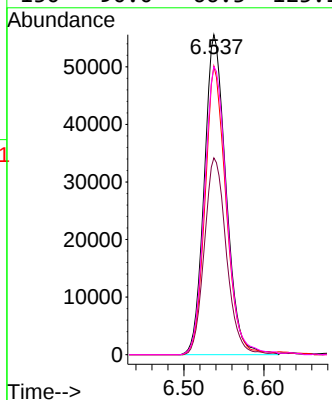
#34
Trichloroethene
Concen: 4.899 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 105162

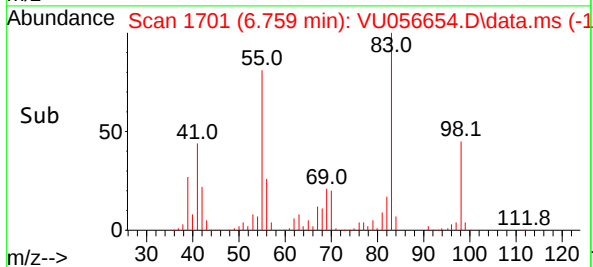
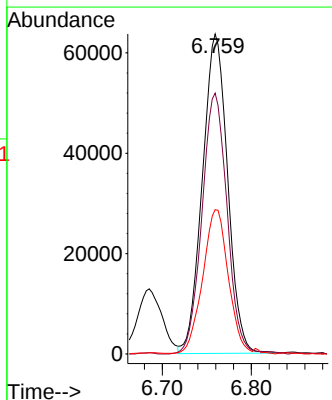
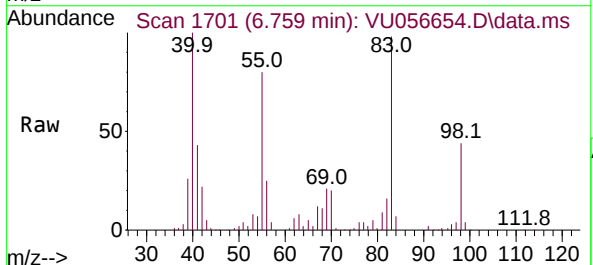
Ion	Ratio	Lower	Upper
95	100		
97	61.5	46.5	86.3
132	90.2	62.0	115.2
130	90.0	66.3	123.1

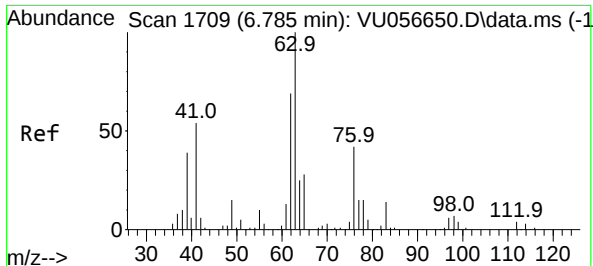


#35
Methylcyclohexane
Concen: 4.039 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

Tgt Ion: 83 Resp: 125164

Ion	Ratio	Lower	Upper
83	100		
55	81.5	62.9	94.3
98	45.3	35.3	52.9





#37

1,2-Dichloropropane

Concen: 5.126 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

Instrument :

MSVOA_U

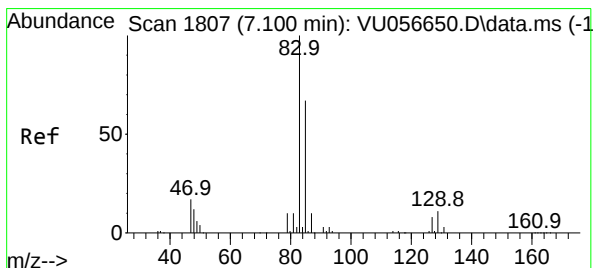
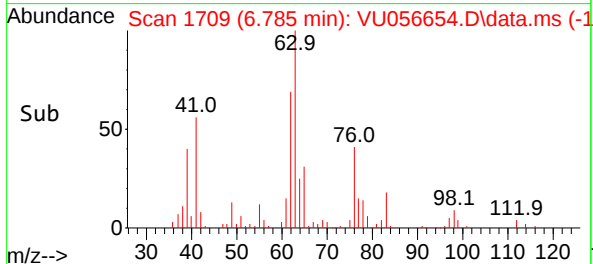
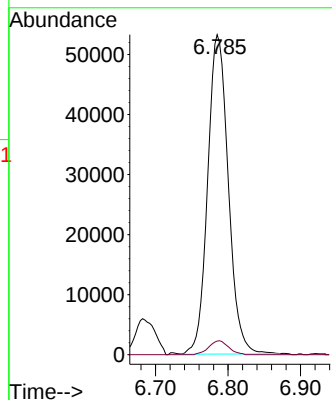
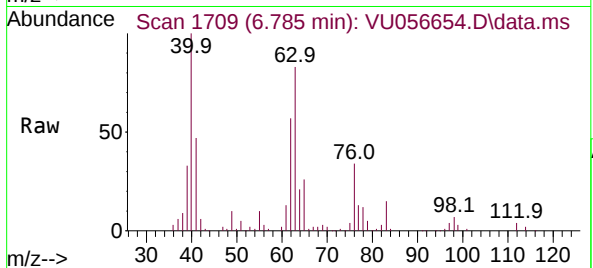
ClientSampleId :

Tgt Ion: 63 Resp: 105328

Ion Ratio Lower Upper

63 100

112 4.2 3.2 4.8



#38

Bromodichloromethane

Concen: 5.244 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

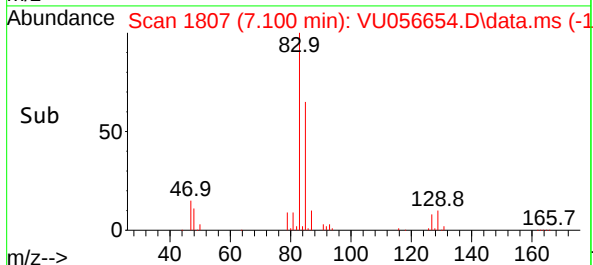
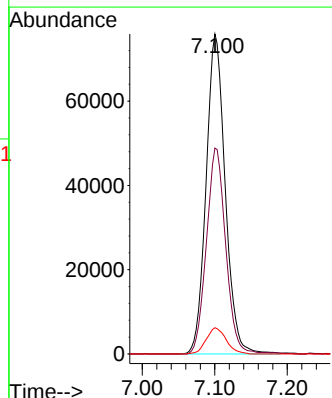
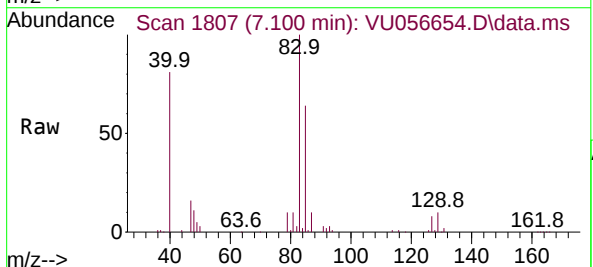
Tgt Ion: 83 Resp: 139091

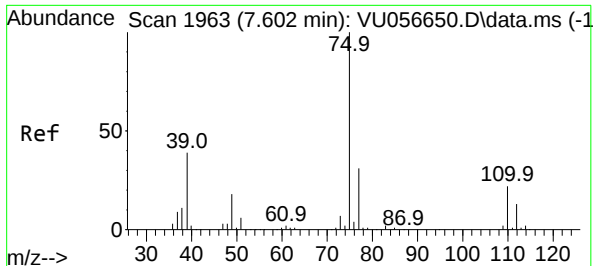
Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.5

127 8.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.850 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

Instrument :

MSVOA_U

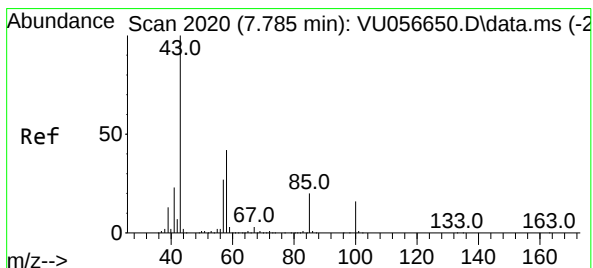
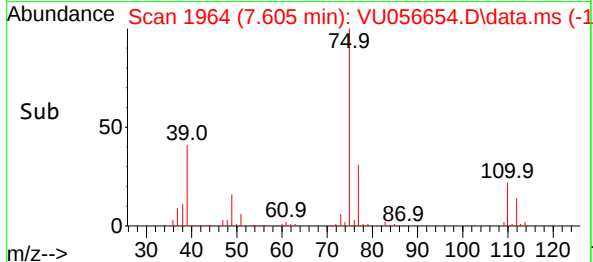
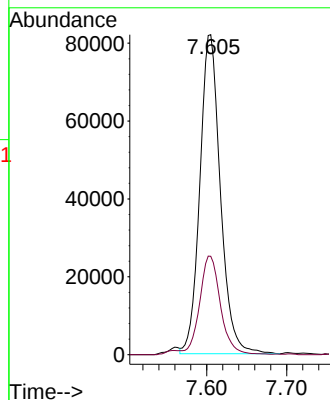
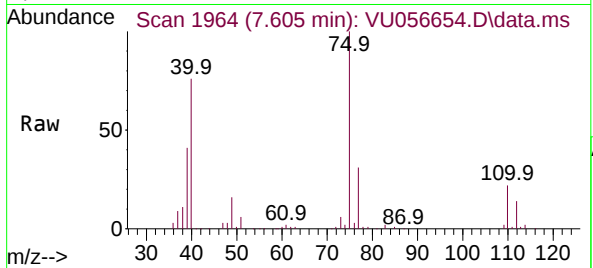
ClientSampleId :

Tgt Ion: 75 Resp: 146426

Ion Ratio Lower Upper

75 100

77 30.7 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 52.341 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

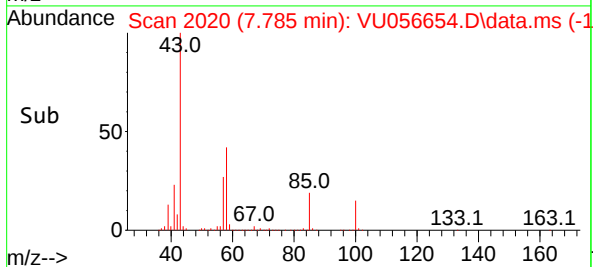
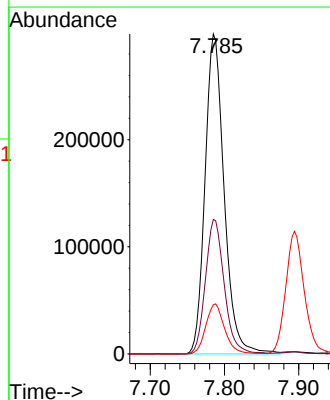
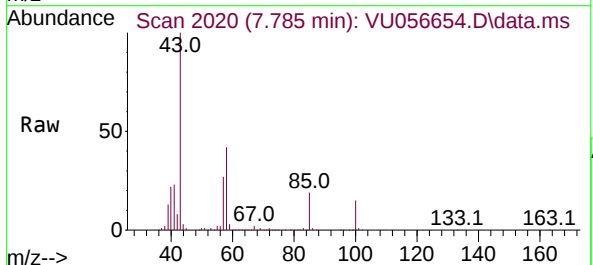
Tgt Ion: 43 Resp: 533115

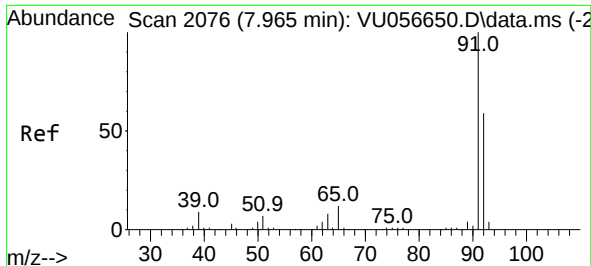
Ion Ratio Lower Upper

43 100

58 41.5 33.8 50.8

100 15.4 13.0 19.4





#42

Toluene

Concen: 4.993 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

Instrument :

MSVOA_U

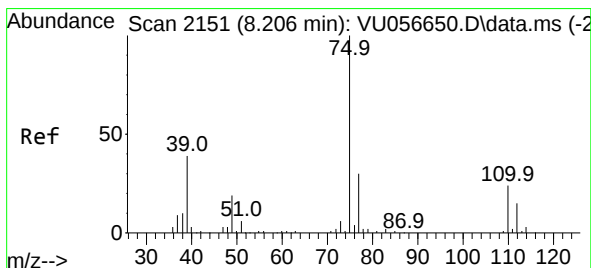
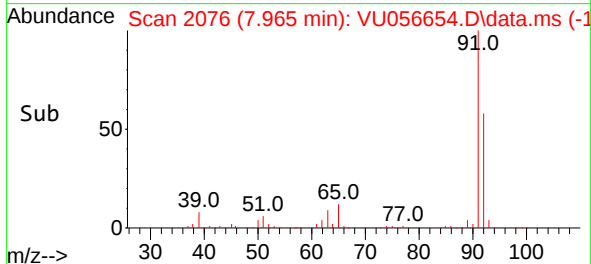
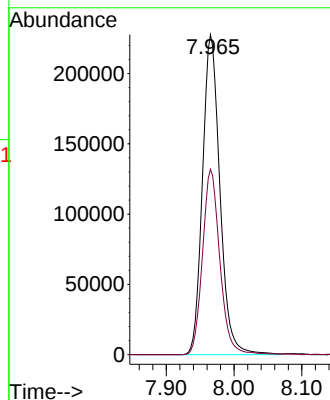
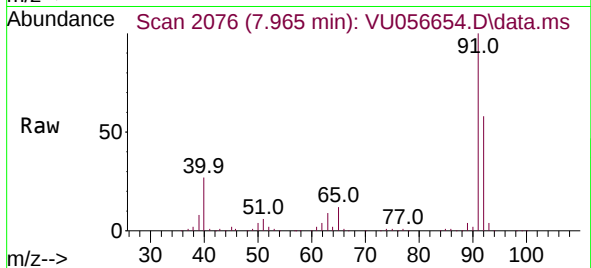
ClientSampleId :

Tgt Ion: 91 Resp: 407276

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.213 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056654.D

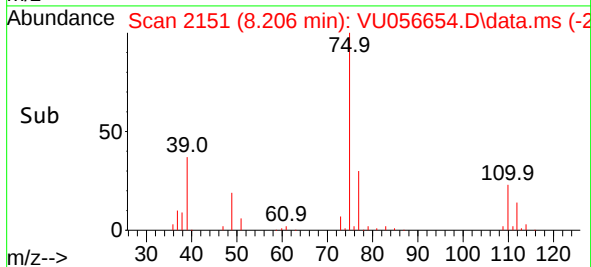
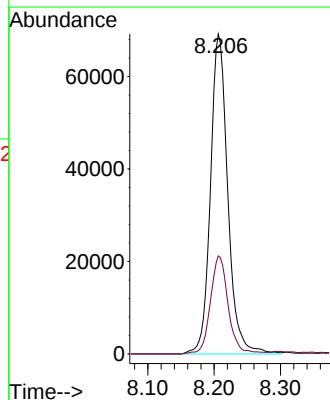
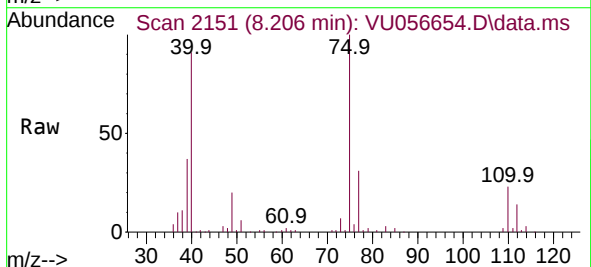
Acq: 05 Dec 2023 15:42

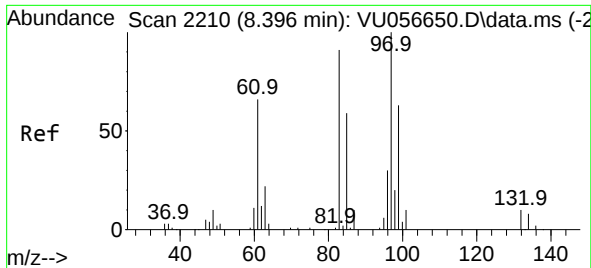
Tgt Ion: 75 Resp: 125483

Ion Ratio Lower Upper

75 100

77 30.7 22.8 42.4

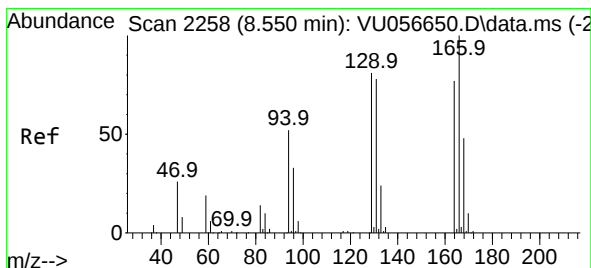
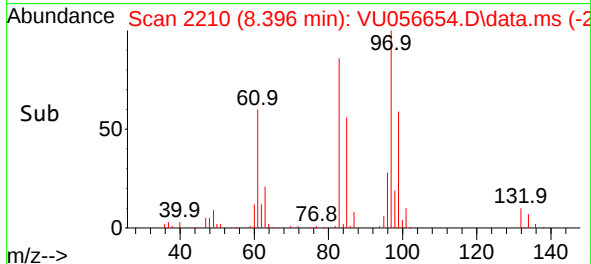
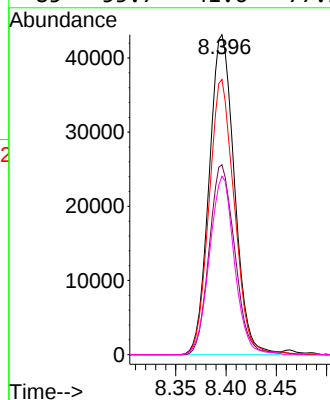
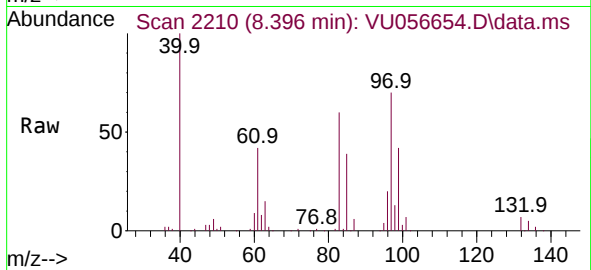




#45
1,1,2-Trichloroethane
Concen: 5.525 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

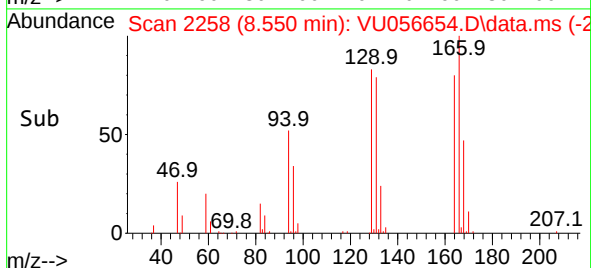
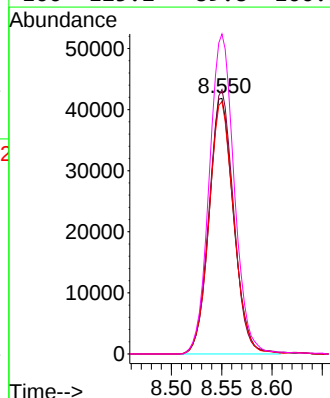
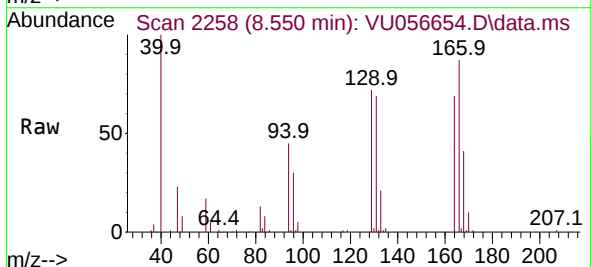
Instrument :
MSVOA_U
ClientSampleId :

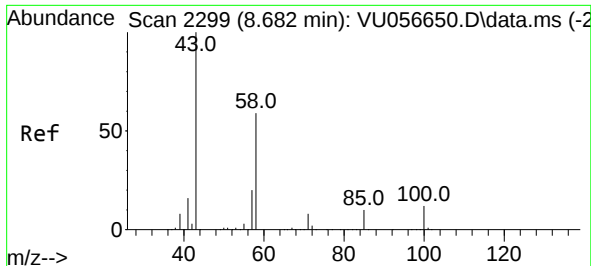
Tgt Ion: 97	Resp: 75601
Ion Ratio	Lower Upper
97 100	
99 59.4	44.3 82.3
83 86.0	65.4 121.4
85 55.7	41.6 77.3



#47
Tetrachloroethene
Concen: 4.913 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

Tgt	Ion:164	Resp:	71117
Ion	Ratio	Lower	Upper
164	100		
129	103.4	71.0	131.9
131	98.8	70.3	130.7
166	125.2	89.8	166.8

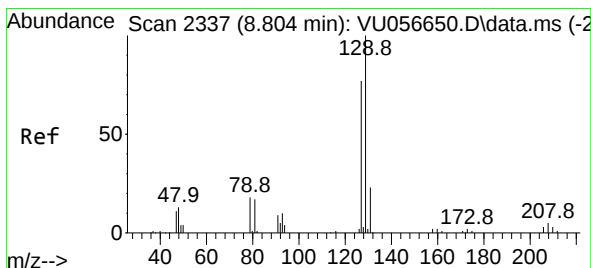
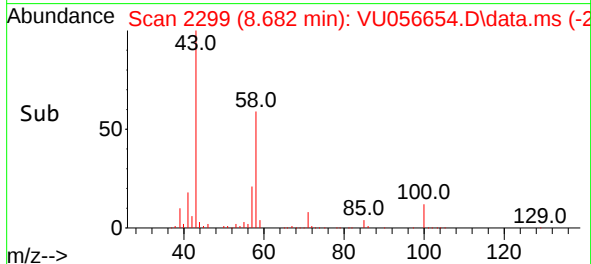
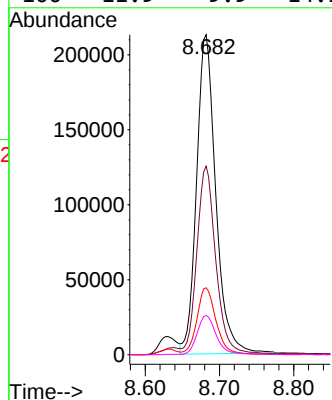
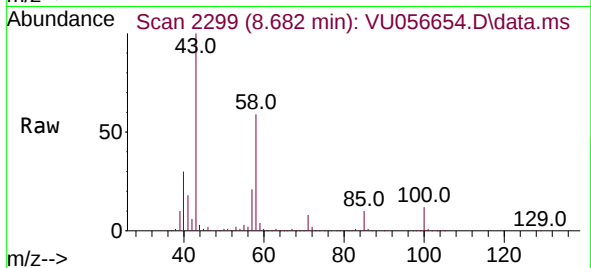




#48
2-Hexanone
Concen: 48.430 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

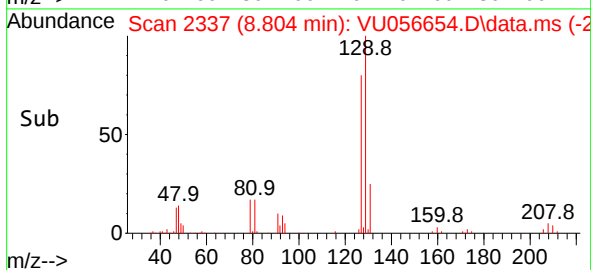
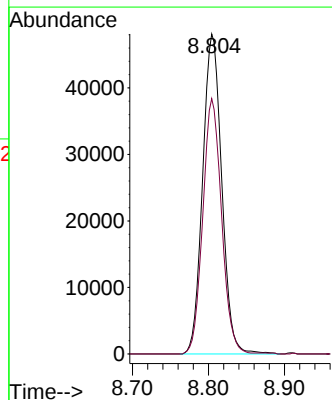
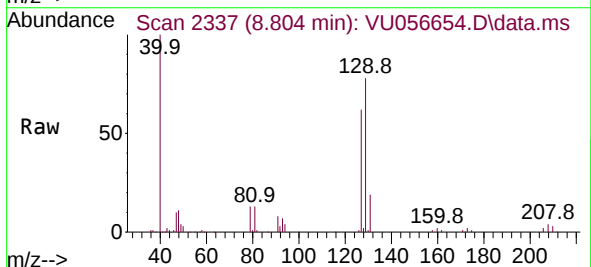
Instrument :
MSVOA_U
ClientSampleId :

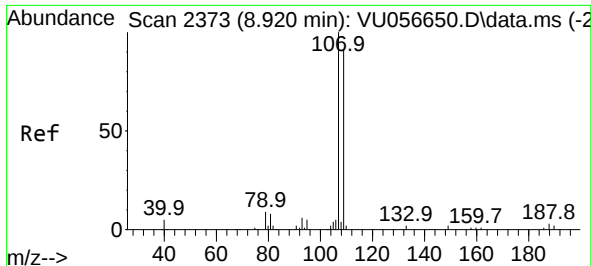
Tgt Ion:	43	Resp:	384286
Ion	Ratio	Lower	Upper
43	100		
58	57.8	48.7	73.1
57	20.7	16.8	25.2
100	11.9	9.9	14.9



#49
Dibromochloromethane
Concen: 5.391 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

Tgt Ion:	129	Resp:	83888
Ion	Ratio	Lower	Upper
129	100		
127	79.8	52.9	98.3





#50

1,2-Dibromoethane

Concen: 5.079 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

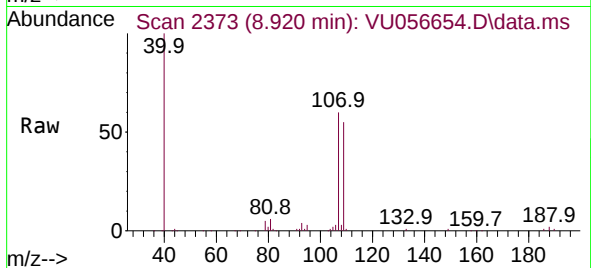
Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

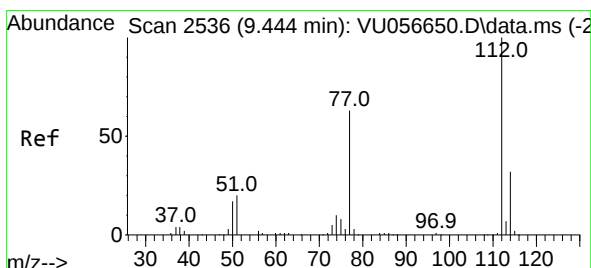
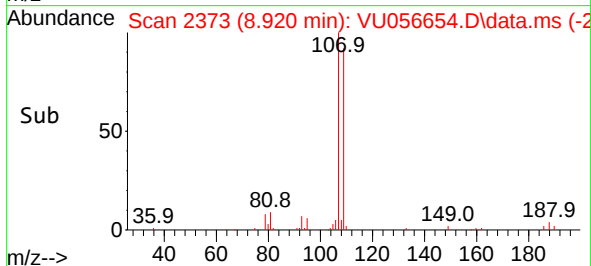
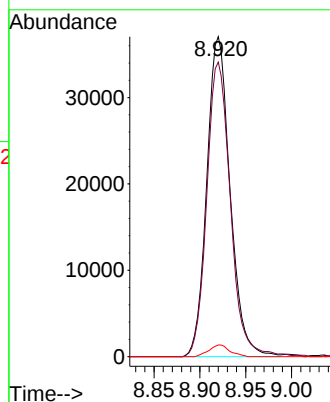
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	65612
Ion	Ratio	Lower	Upper
107	100		
109	92.1	64.2	119.2
188	3.6	2.6	4.0



#51

Chlorobenzene

Concen: 4.968 ug/L

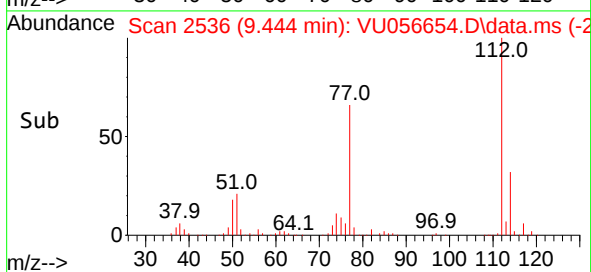
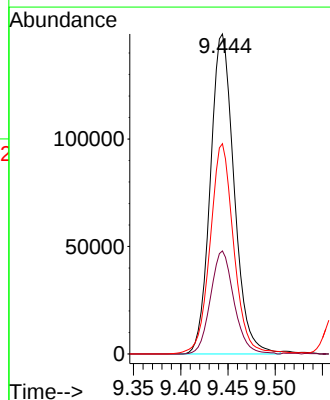
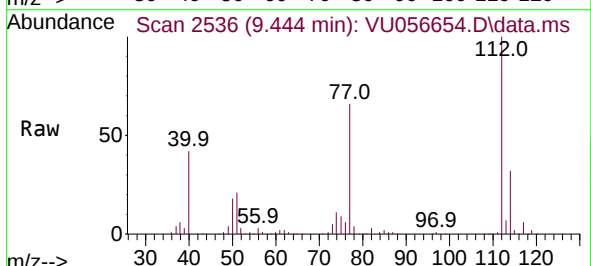
RT: 9.444 min Scan# 2536

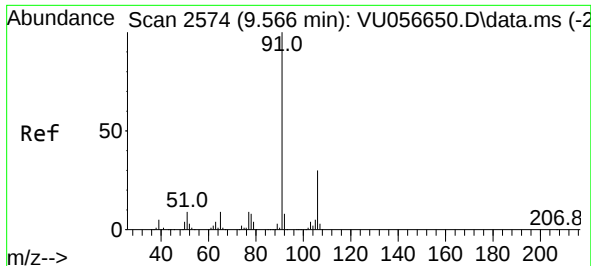
Delta R.T. 0.000 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

Tgt Ion:	112	Resp:	260386
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.7
77	65.7	51.7	77.5

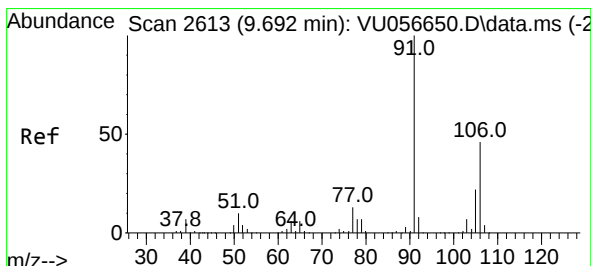
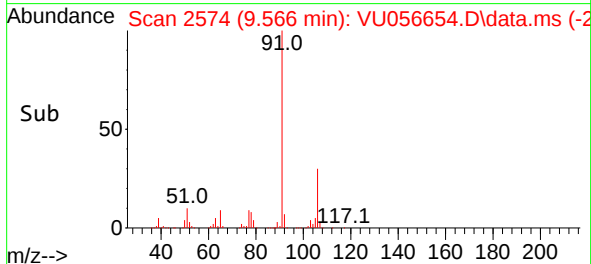
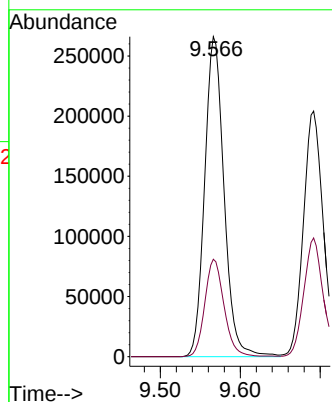
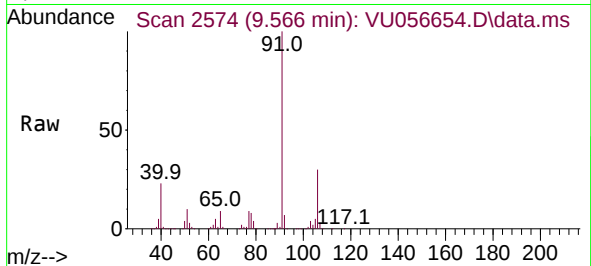




#52
Ethylbenzene
Concen: 4.962 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

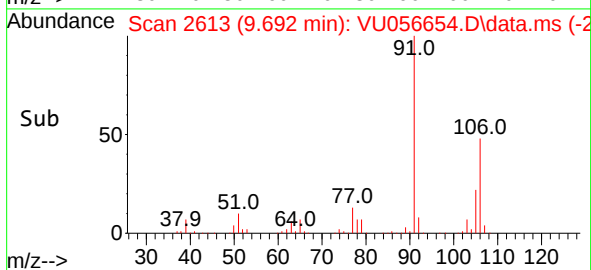
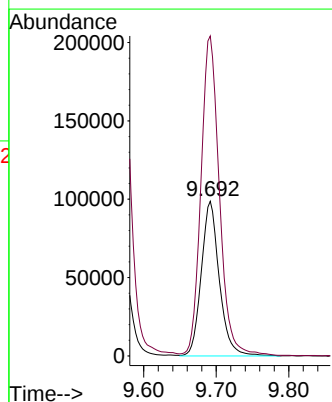
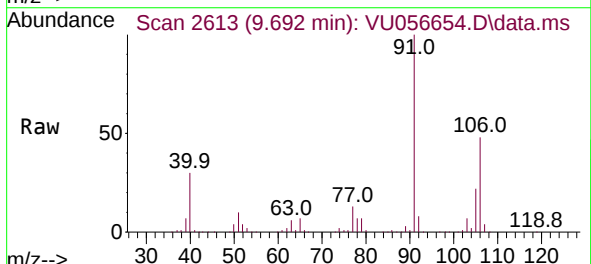
Instrument :
MSVOA_U
ClientSampleId :

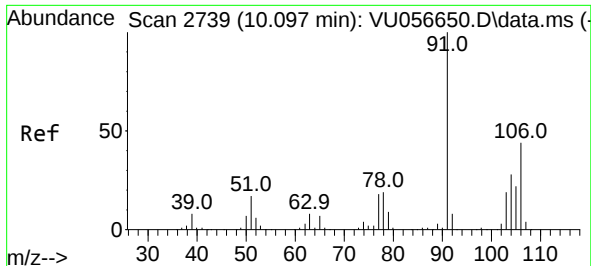
Tgt Ion: 91 Resp: 449461
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.1



#53
m,p-Xylene
Concen: 5.123 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

Tgt Ion: 106 Resp: 170600
Ion Ratio Lower Upper
106 100
91 206.7 149.6 277.8

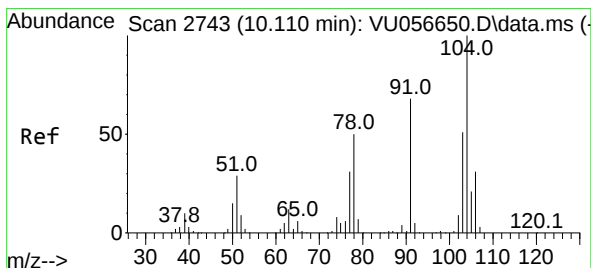
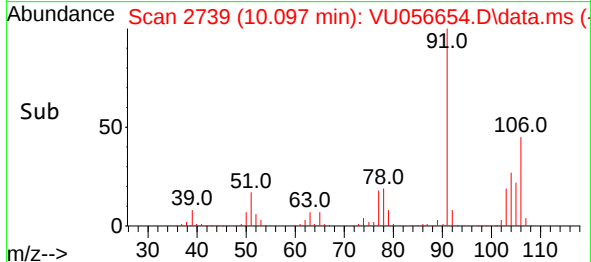
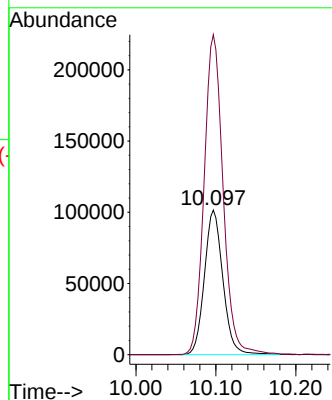
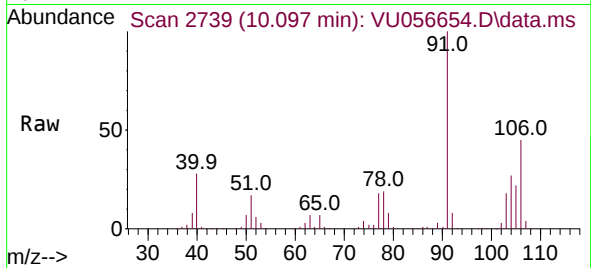




#54
o-Xylene
Concen: 5.055 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

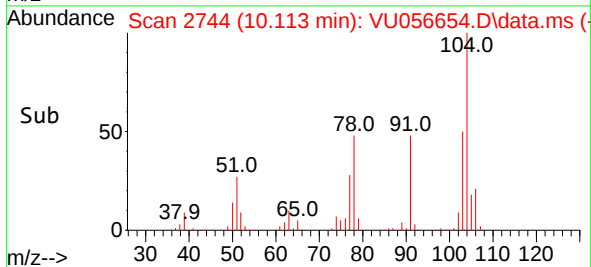
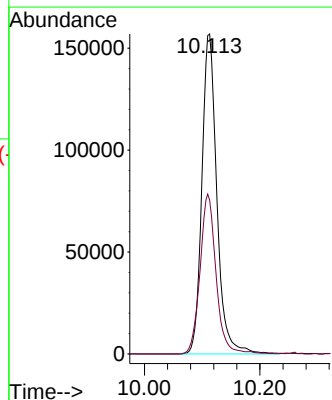
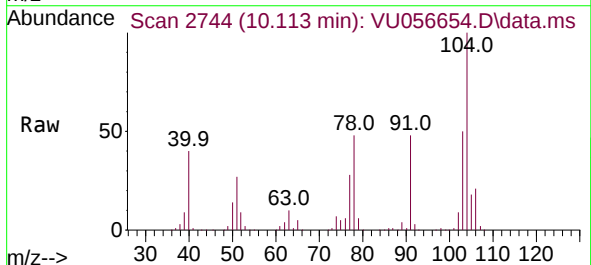
Instrument :
MSVOA_U
ClientSampleId :

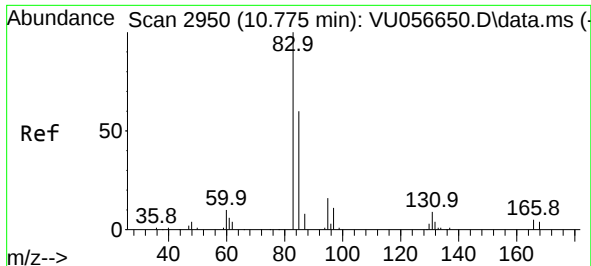
Tgt Ion:106 Resp: 163513
Ion Ratio Lower Upper
106 100
91 221.2 159.3 295.9



#55
Styrene
Concen: 5.255 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

Tgt Ion:104 Resp: 282743
Ion Ratio Lower Upper
104 100
78 48.1 34.2 63.6

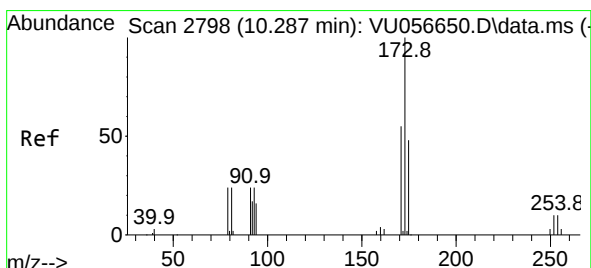
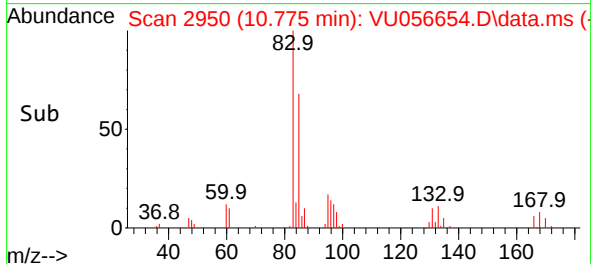
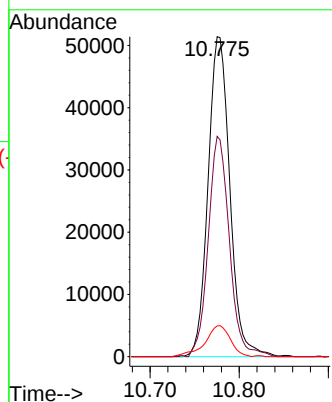
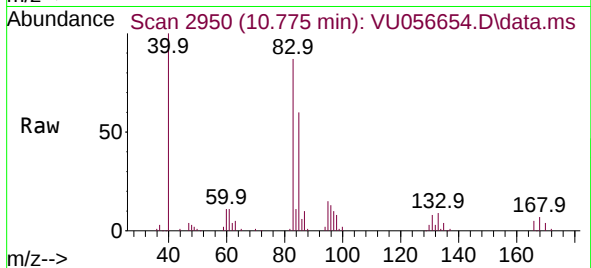




#57
1,1,2,2-Tetrachloroethane
Concen: 5.222 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

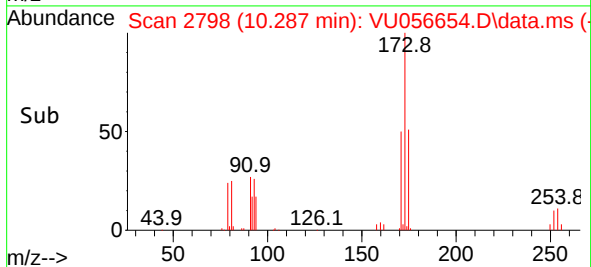
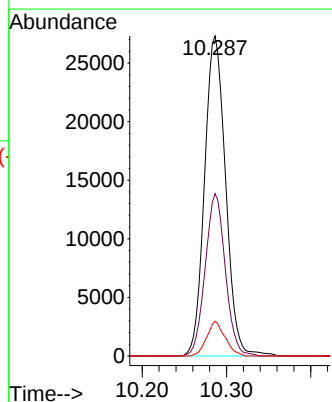
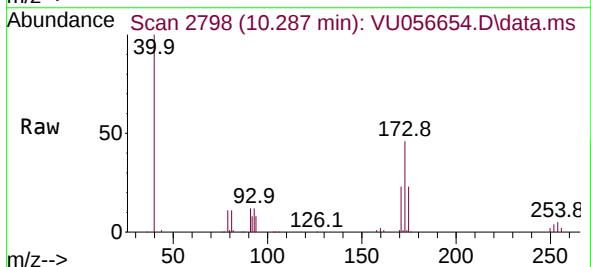
Instrument :
MSVOA_U
ClientSampleId :

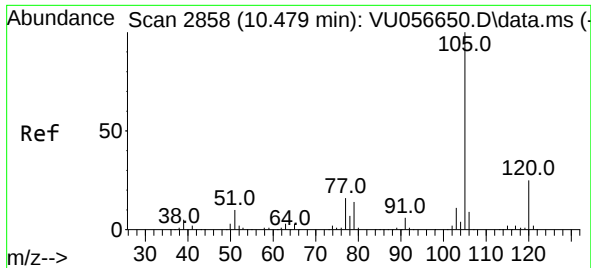
Tgt Ion: 83 Resp: 87246
Ion Ratio Lower Upper
83 100
85 68.9 46.3 86.1
131 9.6 6.7 10.1



#59
Bromoform
Concen: 5.397 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

Tgt Ion:173 Resp: 47484
Ion Ratio Lower Upper
173 100
175 48.5 38.9 58.3
254 9.5 6.7 10.1

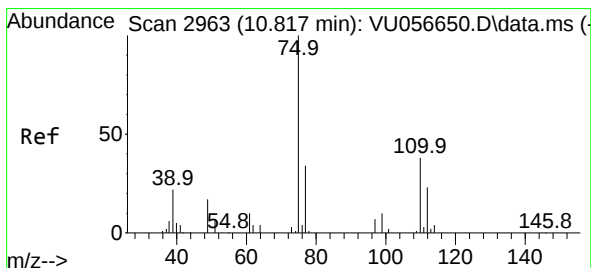
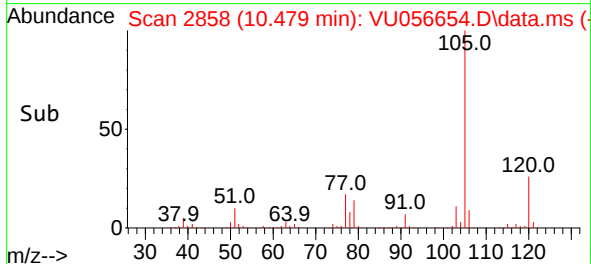
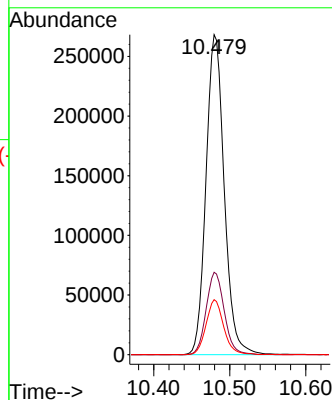
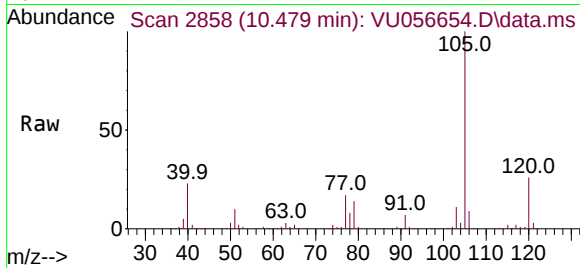




#60
Isopropylbenzene
Concen: 4.906 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

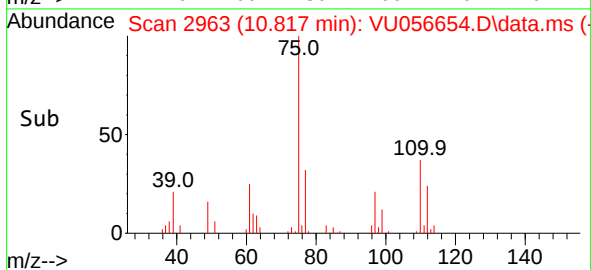
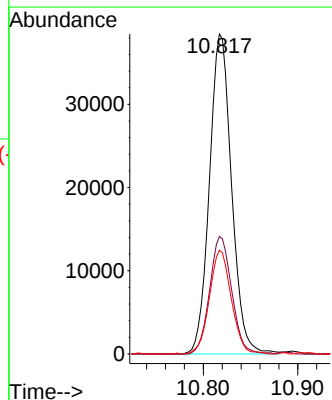
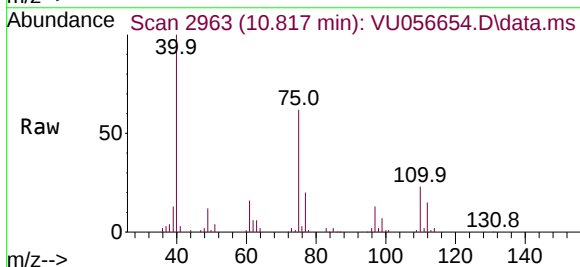
Instrument :
MSVOA_U
ClientSampleId :

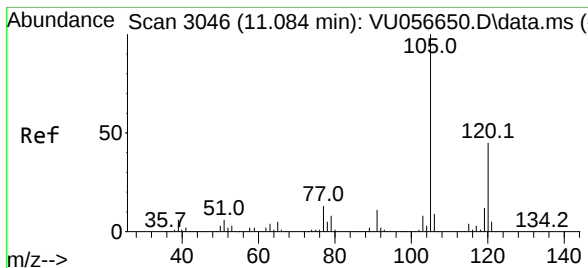
Tgt Ion:105 Resp: 446904
Ion Ratio Lower Upper
105 100
120 25.6 20.4 30.6
77 16.7 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 5.163 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

Tgt Ion: 75 Resp: 62579
Ion Ratio Lower Upper
75 100
110 36.5 30.4 45.6
77 32.0 27.0 40.6

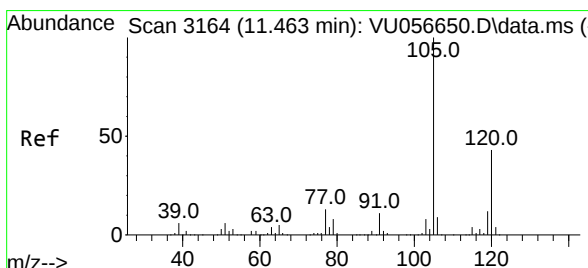
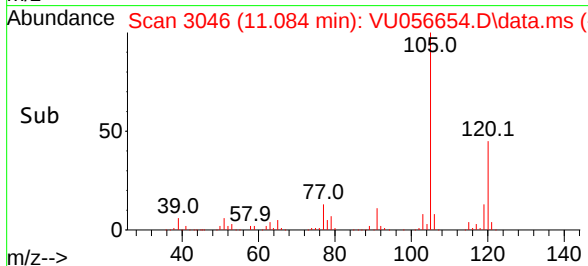
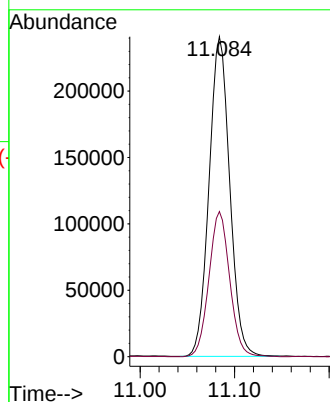
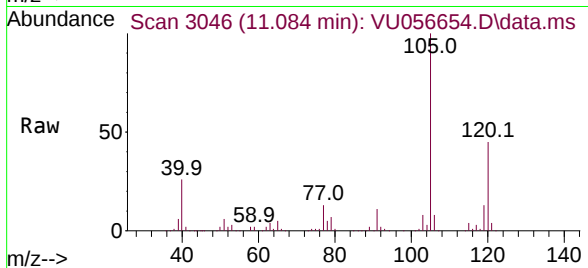




#62
 1,3,5-Trimethylbenzene
 Concen: 4.891 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. -0.000 min
 Lab File: VU056654.D
 Acq: 05 Dec 2023 15:42

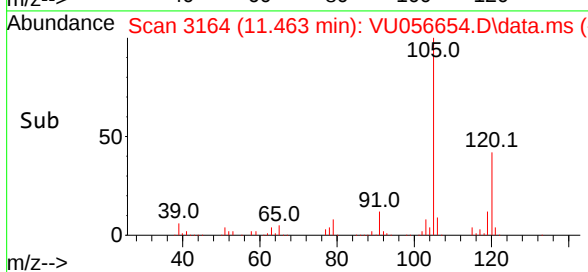
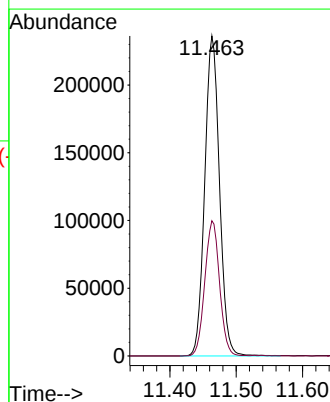
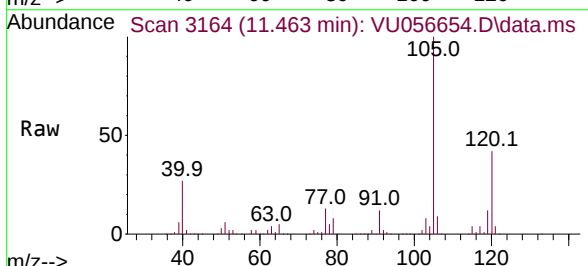
Instrument :
 MSVOA_U
 ClientSampleId :

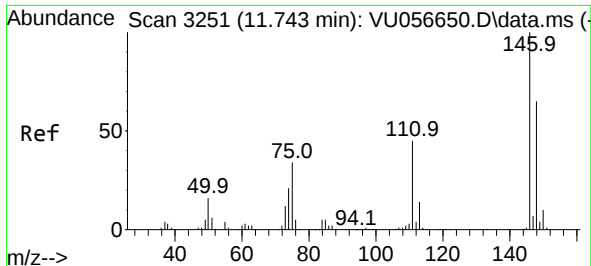
Tgt Ion:105 Resp: 365826
 Ion Ratio Lower Upper
 105 100
 120 45.6 37.2 55.8



#63
 1,2,4-Trimethylbenzene
 Concen: 4.945 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VU056654.D
 Acq: 05 Dec 2023 15:42

Tgt Ion:105 Resp: 365109
 Ion Ratio Lower Upper
 105 100
 120 42.3 34.0 51.0

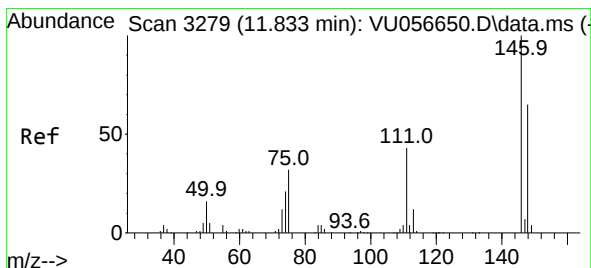
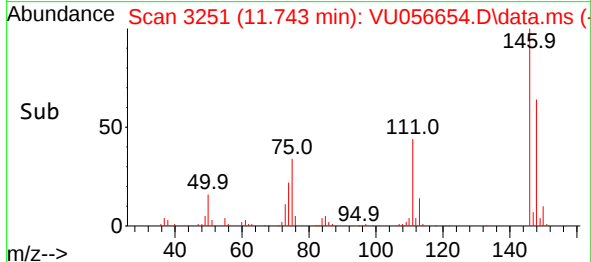
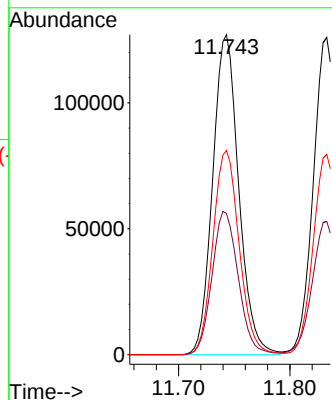
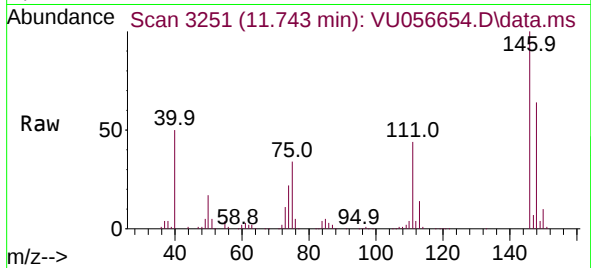




#64
1,3-Dichlorobenzene
Concen: 4.989 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

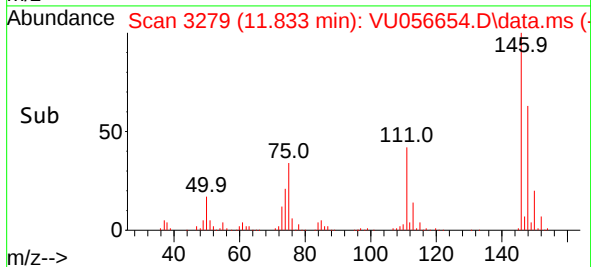
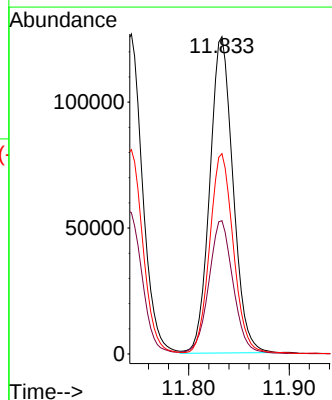
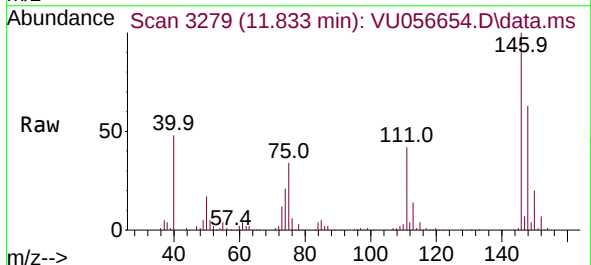
Instrument :
MSVOA_U
ClientSampleId :

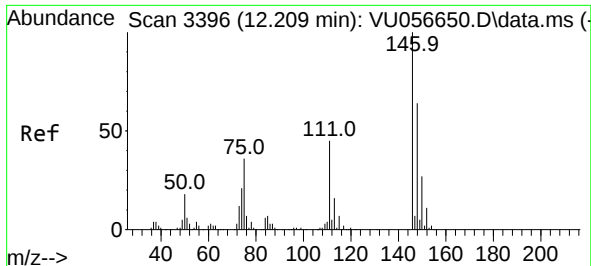
Tgt Ion:146 Resp: 206756
Ion Ratio Lower Upper
146 100
111 44.2 31.1 57.7
148 63.9 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 4.856 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056654.D
Acq: 05 Dec 2023 15:42

Tgt Ion:146 Resp: 201835
Ion Ratio Lower Upper
146 100
111 42.0 30.5 56.7
148 63.1 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.038 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

Instrument :

MSVOA_U

ClientSampleId :

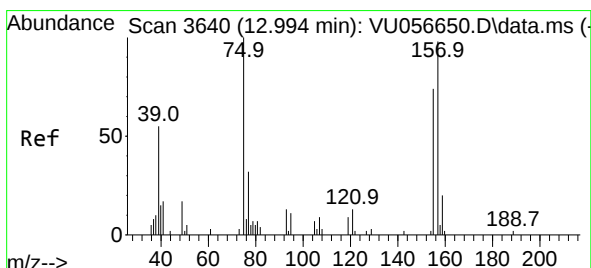
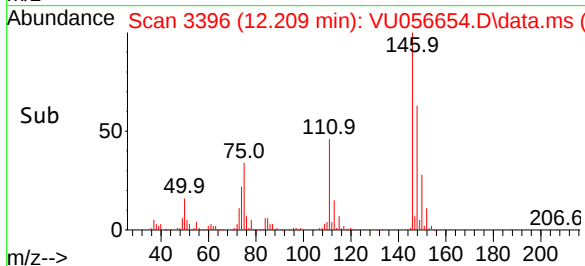
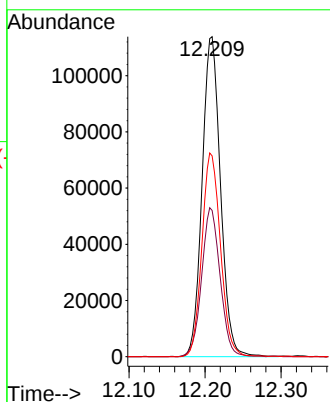
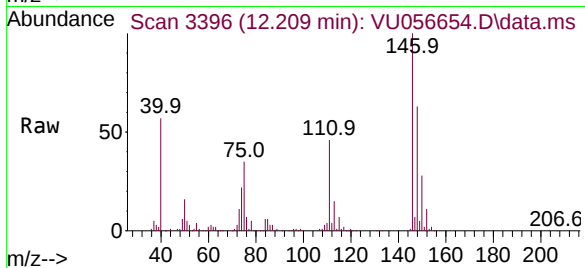
Tgt Ion:146 Resp: 191534

Ion Ratio Lower Upper

146 100

111 45.7 38.3 57.5

148 62.8 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.298 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

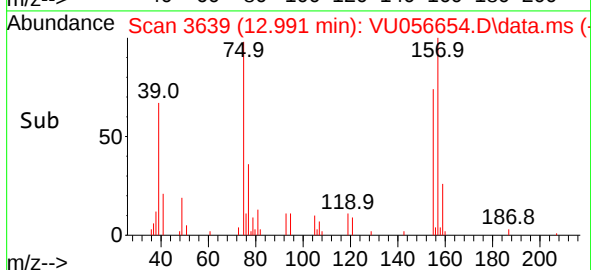
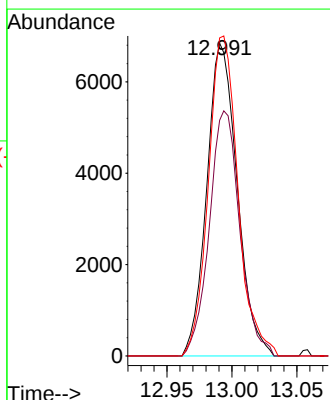
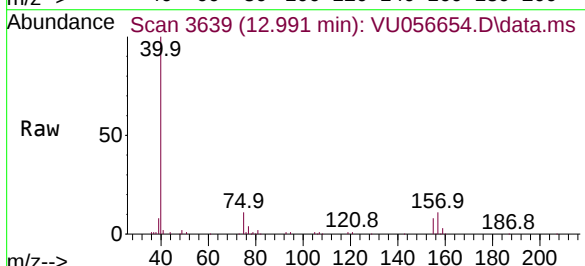
Tgt Ion: 75 Resp: 11126

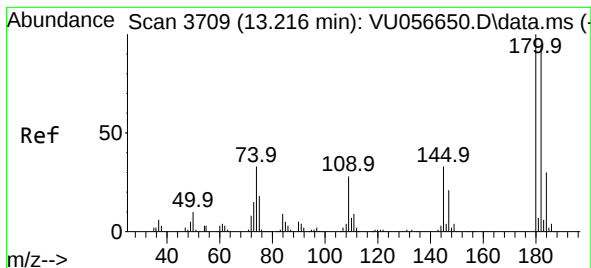
Ion Ratio Lower Upper

75 100

155 75.3 62.4 93.6

157 101.7 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 4.933 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.000 min

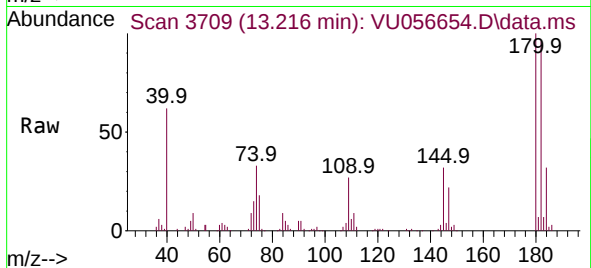
Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 153919

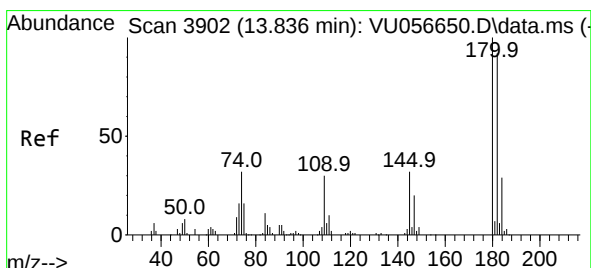
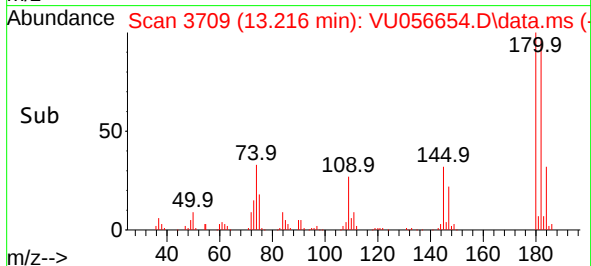
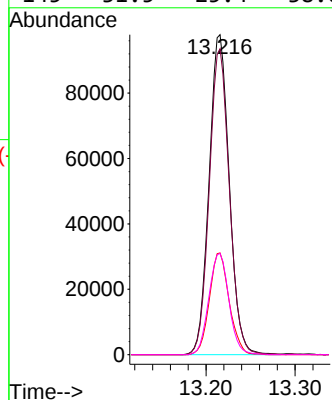
Ion Ratio Lower Upper

180 100

182 95.0 75.1 112.7

184 31.2 23.5 35.3

145 31.5 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 4.503 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

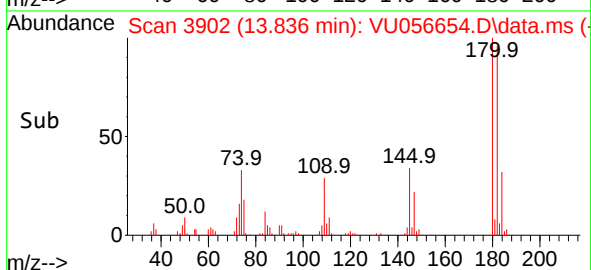
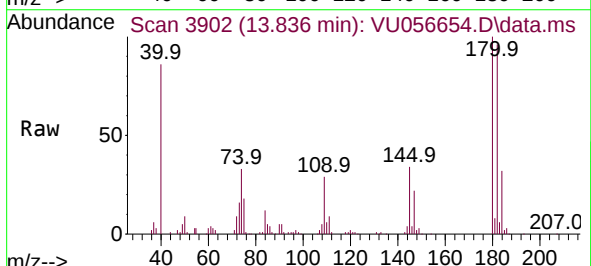
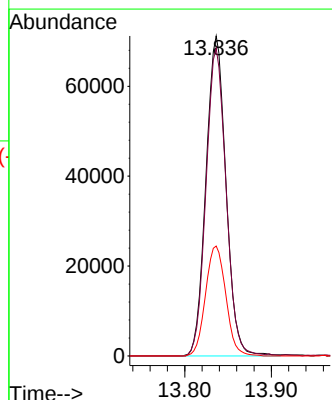
Tgt Ion:180 Resp: 114419

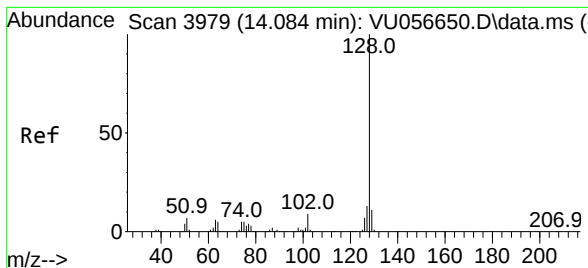
Ion Ratio Lower Upper

180 100

182 95.9 75.4 113.2

145 34.8 26.8 40.2





#71

Naphthalene

Concen: 4.033 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

Instrument :

MSVOA_U

ClientSampleId :

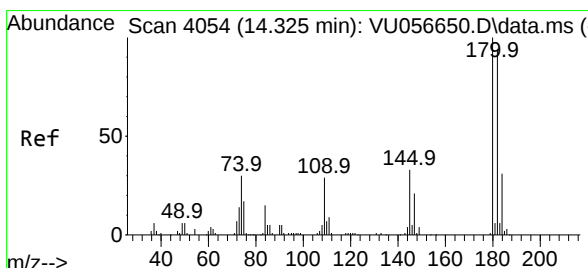
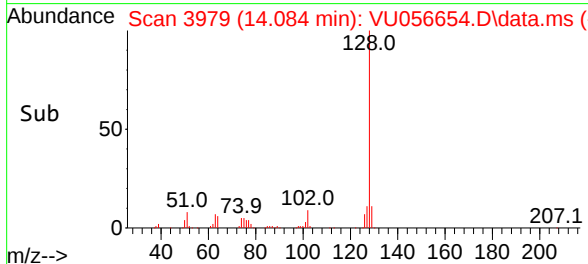
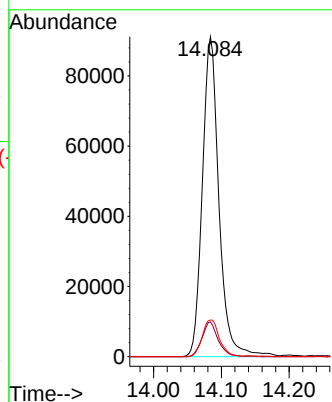
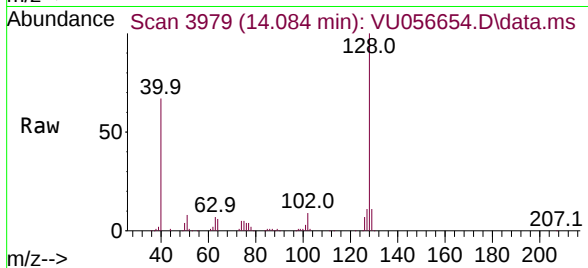
Tgt Ion:128 Resp: 154826

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

127 12.0 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 4.572 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU056654.D

Acq: 05 Dec 2023 15:42

Tgt Ion:180 Resp: 95695

Ion Ratio Lower Upper

180 100

182 95.2 78.6 117.8

145 34.9 29.0 43.6

