

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111323\
 Data File : VU056322.D
 Acq On : 14 Nov 2023 21:55
 Operator : MD/SY
 Sample : 05328-15MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 02:58:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 15 01:36:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	275903	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	268385	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	141775	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	92130	4.464	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.200%
7) Chloroethane-d5	1.908	69	77856	4.921	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.400%
11) 1,1-Dichloroethene-d2	2.563	65	42953	4.716	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.400%
20) 2-Butanone-d5	4.618	46	204499	49.696	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.400%
24) Chloroform-d	5.059	84	203742	5.104	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
26) 1,2-Dichloroethane-d4	5.695	65	93414	5.065	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	5.721	84	388982	4.865	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.685	67	118892	4.933	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.894	98	349525	4.950	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
43) trans-1,3-Dichloroprop...	8.174	79	47433	5.132	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.600%
46) 2-Hexanone-d5	8.628	63	184591	50.820	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.640%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	88452	5.136	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	126833	4.843	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	118156	5.405	ug/L	98
3) Chloromethane	1.515	50	138550	6.202	ug/L	96
5) Vinyl chloride	1.602	62	115828	5.381	ug/L	97
6) Bromomethane	1.853	94	53966	4.954	ug/L	96
8) Chloroethane	1.930	64	74911	5.697	ug/L	96
9) Trichlorofluoromethane	2.136	101	176391	5.687	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	99216	5.388	ug/L	99
12) 1,1-Dichloroethene	2.576	96	94228	5.579	ug/L	93
13) Acetone	2.625	43	119740	34.165	ug/L	97
14) Carbon disulfide	2.789	76	297564	5.414	ug/L	98
15) Methyl Acetate	2.946	43	28970	4.645	ug/L	95
16) Methylene chloride	3.039	84	105035	4.699	ug/L	100
17) Methyl tert-butyl Ether	3.354	73	235721	5.744	ug/L	97
18) trans-1,2-Dichloroethene	3.348	96	99803	5.743	ug/L	97
19) 1,1-Dichloroethane	3.862	63	197774	5.745	ug/L	99
21) 2-Butanone	4.698	43	201160	44.233	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	111877	5.677	ug/L	96
23) Bromochloromethane	4.969	128	45949	5.665	ug/L	96
25) Chloroform	5.081	83	209031	5.605	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111323\
 Data File : VU056322.D
 Acq On : 14 Nov 2023 21:55
 Operator : MD/SY
 Sample : 05328-15MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

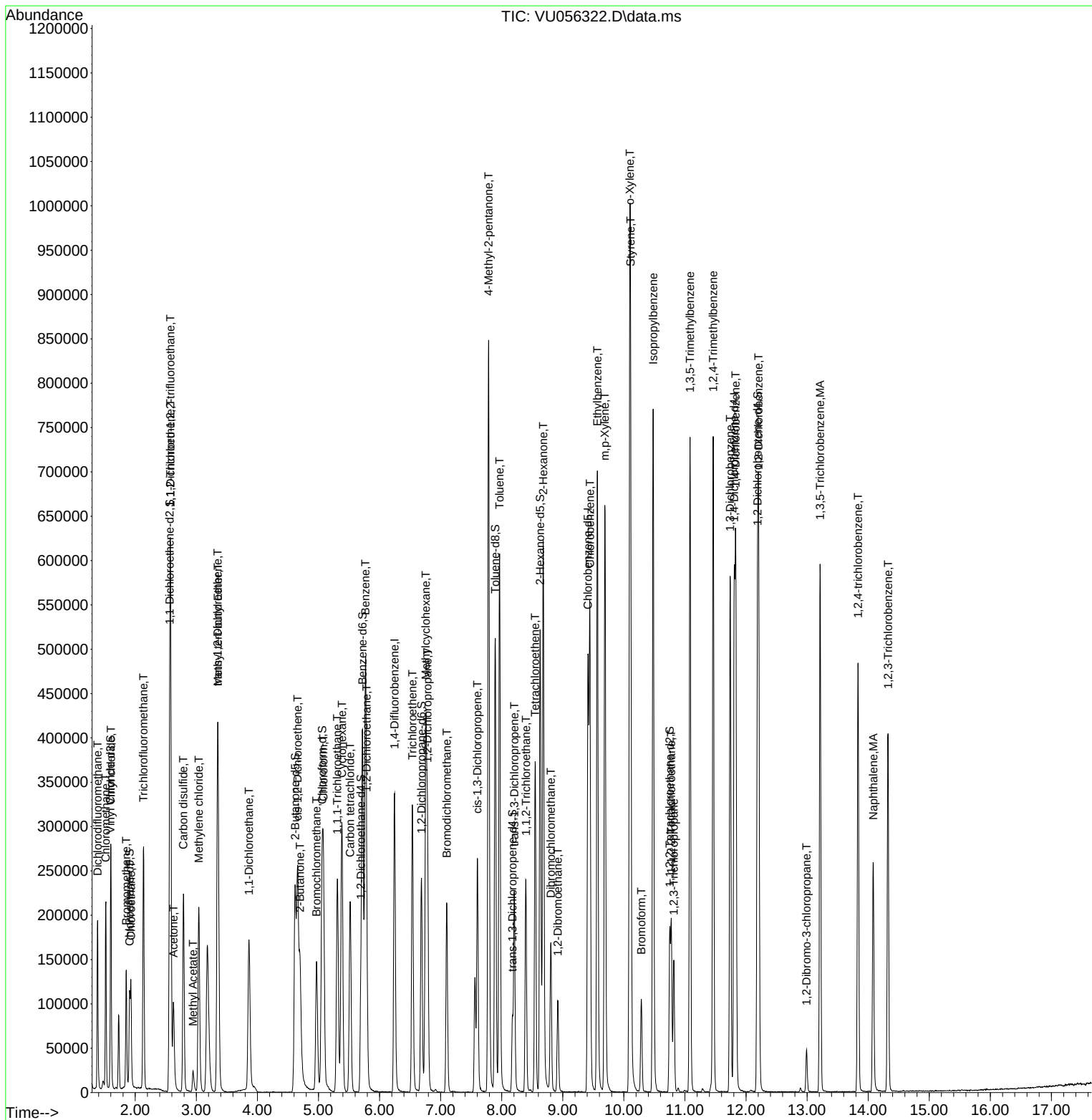
Instrument :
 MSVOA_U
 ClientSampleId :

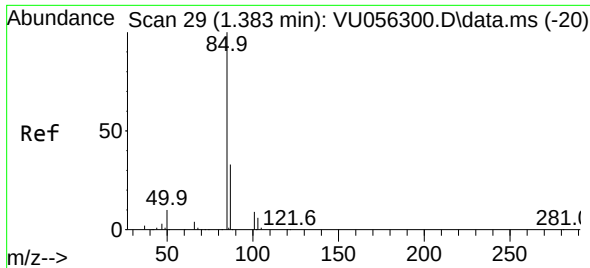
Quant Time: Nov 15 02:58:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 15 01:36:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	121759	5.750	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	178762	5.803	ug/L	100
30) Cyclohexane	5.383	56	158392	5.417	ug/L	99
31) Carbon tetrachloride	5.518	117	153216	5.790	ug/L	97
33) Benzene	5.769	78	432902	5.653	ug/L	100
34) Trichloroethene	6.538	95	116179	5.568	ug/L	98
35) Methylcyclohexane	6.756	83	158116	5.249	ug/L	99
37) 1,2-Dichloropropane	6.785	63	112581	5.637	ug/L	100
38) Bromodichloromethane	7.100	83	141968	5.507	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	159259	5.427	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	531185	53.658	ug/L	98
42) Toluene	7.965	91	458523	5.783	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	133141	5.691	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	74753	5.620	ug/L	97
47) Tetrachloroethene	8.547	164	78809	5.601	ug/L	97
48) 2-Hexanone	8.679	43	378486	49.076	ug/L	100
49) Dibromochloromethane	8.804	129	84599	5.593	ug/L	98
50) 1,2-Dibromoethane	8.920	107	70116	5.584	ug/L	99
51) Chlorobenzene	9.444	112	286866	5.631	ug/L	98
52) Ethylbenzene	9.566	91	506504	5.753	ug/L	99
53) m,p-Xylene	9.689	106	192899	5.960	ug/L	98
54) o-Xylene	10.097	106	181039	5.759	ug/L	98
55) Styrene	10.110	104	312502	5.976	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	91688	5.646	ug/L	98
59) Bromoform	10.287	173	48209	5.459	ug/L	95
60) Isopropylbenzene	10.480	105	504061	5.513	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	65083	5.350	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	406283	5.412	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	414465	5.593	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	236101	5.677	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	228460	5.476	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	216082	5.663	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	13383	5.151	ug/L	95
69) 1,3,5-Trichlorobenzene	13.213	180	176281	5.629	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	141890	5.563	ug/L	99
71) Naphthalene	14.084	128	211179	5.480	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	120492	5.735	ug/L	97

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

Quant Time: Nov 15 02:58:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 15 01:36:14 2023
Response via : Initial Calibration

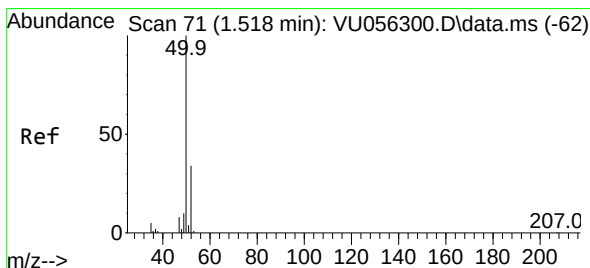
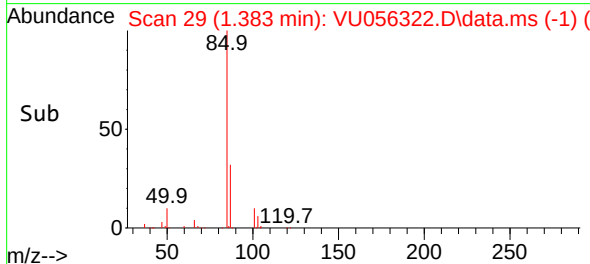
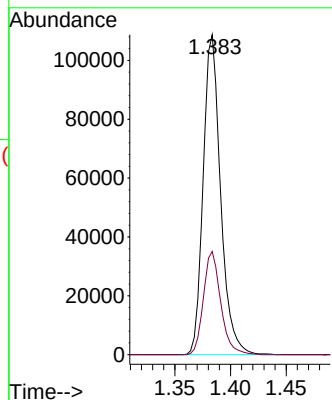
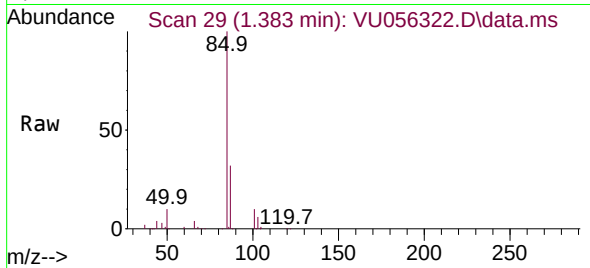




#2
 Dichlorodifluoromethane
 Concen: 5.405 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU056322.D
 Acq: 14 Nov 2023 21:55

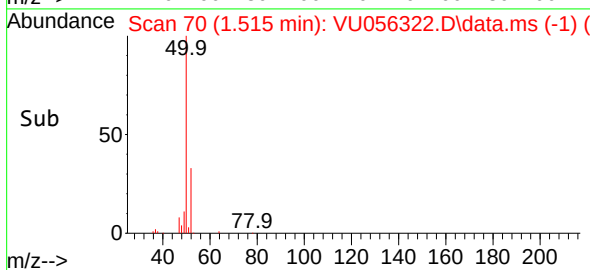
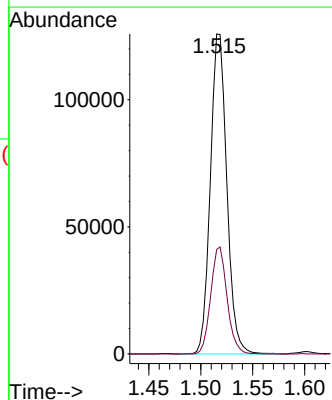
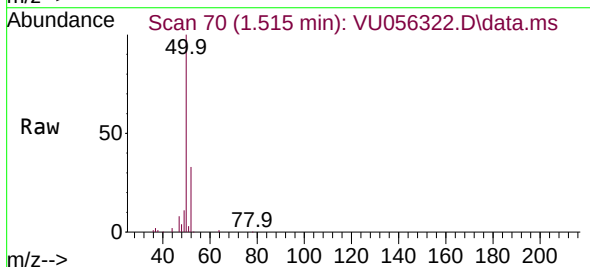
Instrument :
 MSVOA_U
 ClientSampleId :

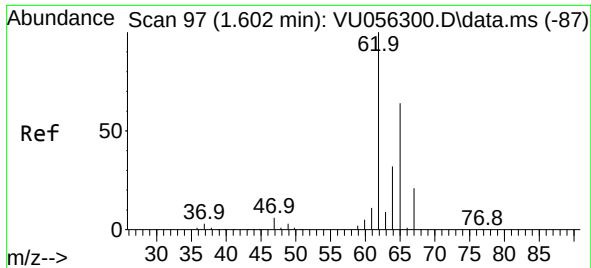
Tgt Ion: 85 Resp: 118156
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.0 37.4



#3
 Chloromethane
 Concen: 6.202 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU056322.D
 Acq: 14 Nov 2023 21:55

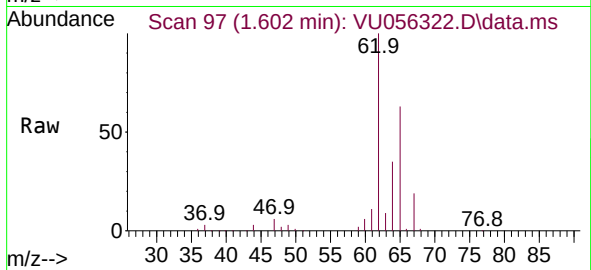
Tgt Ion: 50 Resp: 138550
 Ion Ratio Lower Upper
 50 100
 52 32.7 24.3 45.1



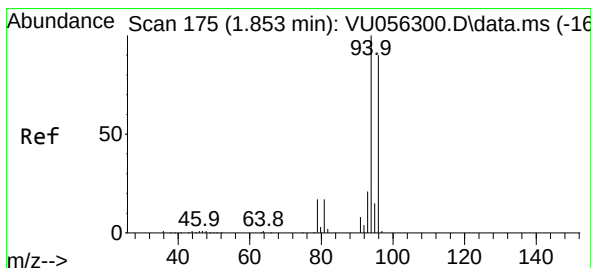
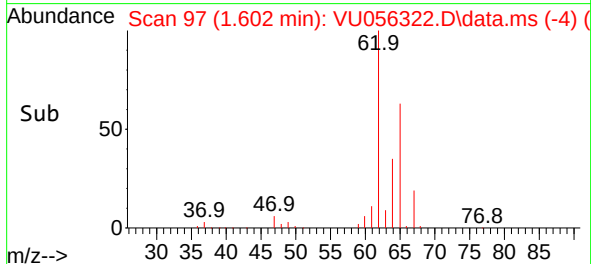
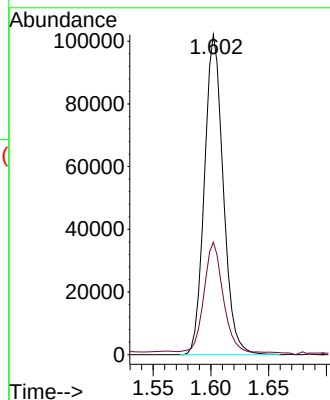


#5
 Vinyl chloride
 Concen: 5.381 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VU056322.D
 Acq: 14 Nov 2023 21:55

Instrument :
 MSVOA_U
 ClientSampleId :

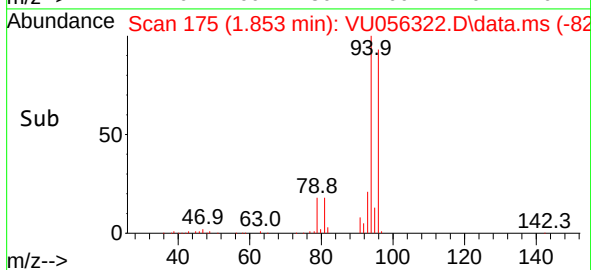
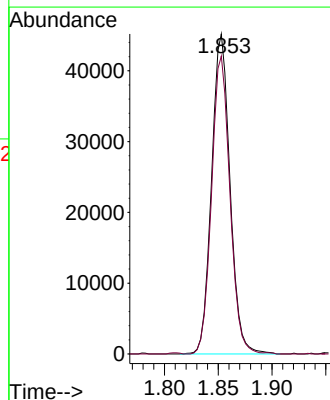
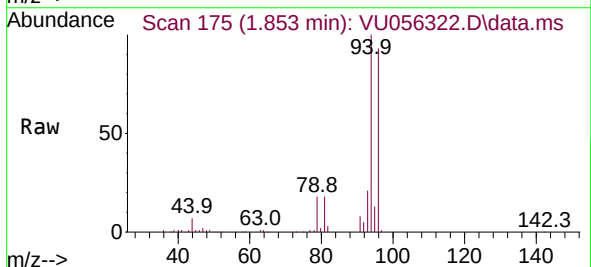


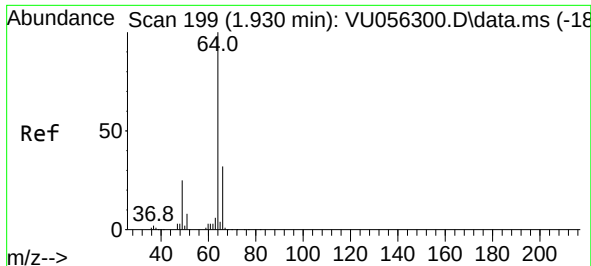
Tgt Ion: 62 Resp: 115828
 Ion Ratio Lower Upper
 62 100
 64 35.2 23.3 43.3



#6
 Bromomethane
 Concen: 4.954 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU056322.D
 Acq: 14 Nov 2023 21:55

Tgt Ion: 94 Resp: 53966
 Ion Ratio Lower Upper
 94 100
 96 93.1 62.6 116.2

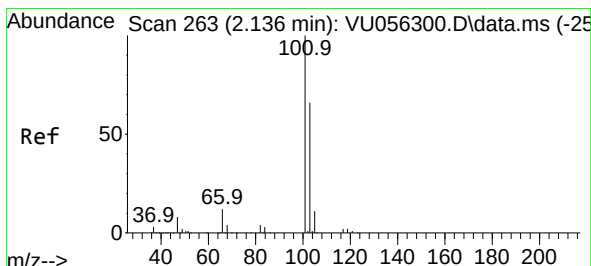
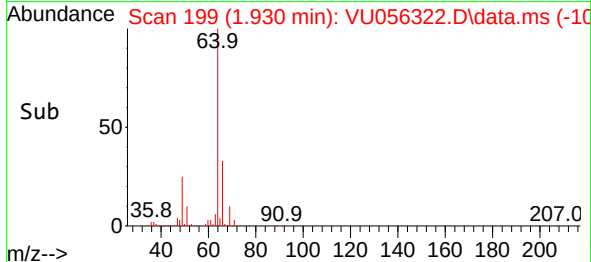
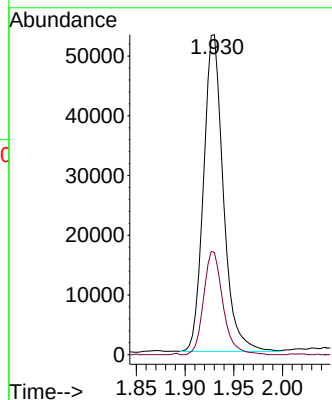
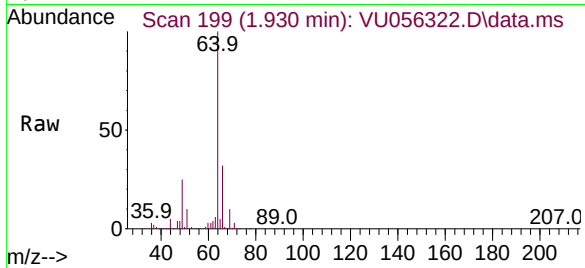




#8
Chloroethane
Concen: 5.697 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

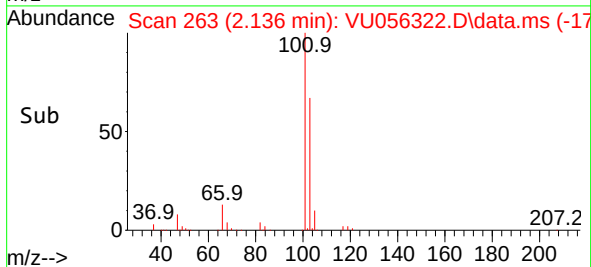
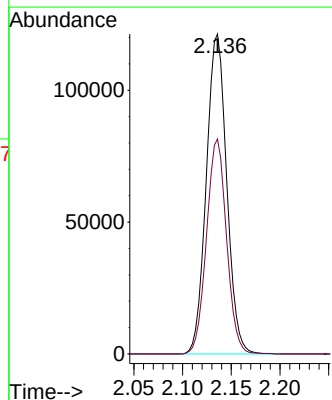
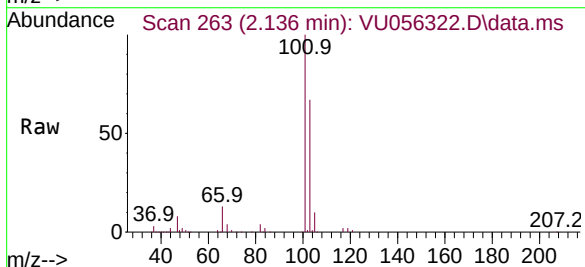
Instrument :
MSVOA_U
ClientSampleId :

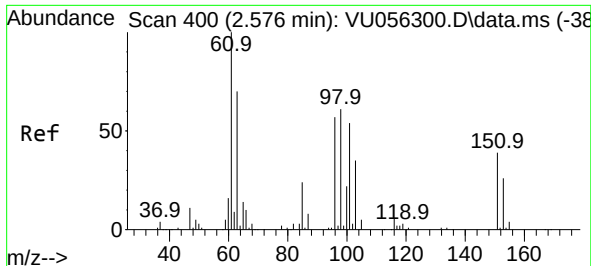
Tgt Ion: 64 Resp: 74911
Ion Ratio Lower Upper
64 100
66 31.9 23.9 44.5



#9
Trichlorofluoromethane
Concen: 5.687 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

Tgt Ion:101 Resp: 176391
Ion Ratio Lower Upper
101 100
103 65.9 52.0 78.0

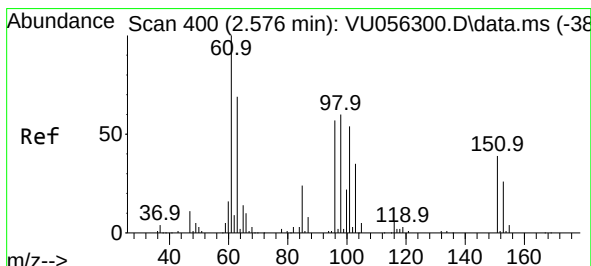
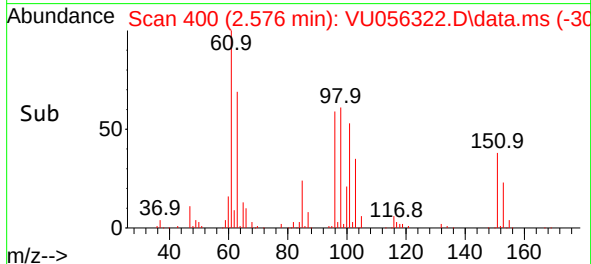
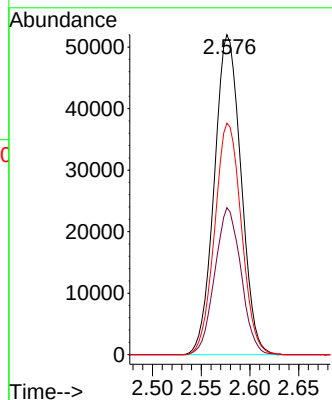
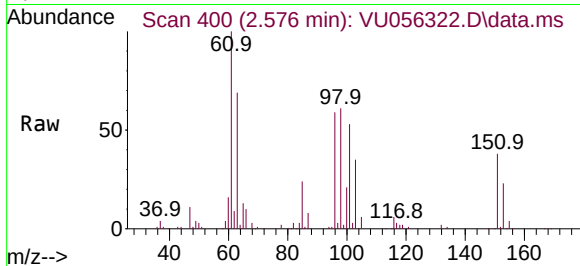




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.388 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056322.D
 Acq: 14 Nov 2023 21:55

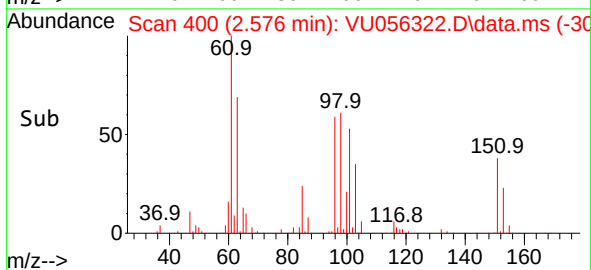
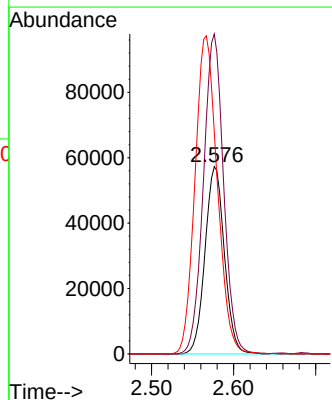
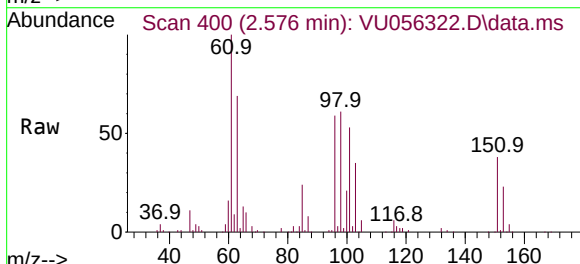
Instrument :
 MSVOA_U
 ClientSampleId :

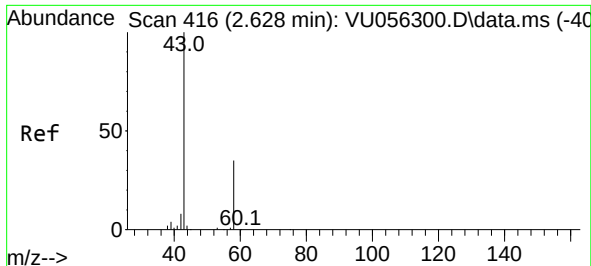
Tgt Ion: 101 Resp: 99216
 Ion Ratio Lower Upper
 101 100
 85 45.2 35.4 53.0
 151 72.5 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 5.579 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056322.D
 Acq: 14 Nov 2023 21:55

Tgt Ion: 96 Resp: 94228
 Ion Ratio Lower Upper
 96 100
 61 170.8 123.1 228.7
 63 118.6 93.3 173.3





#13

Acetone

Concen: 34.165 ug/L

RT: 2.625 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

Instrument :

MSVOA_U

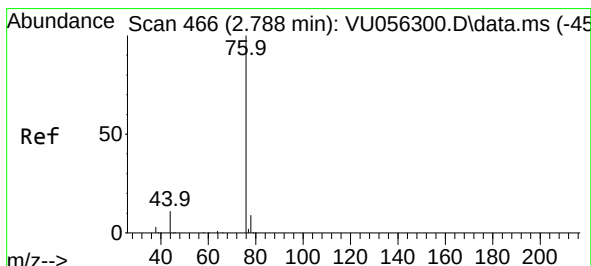
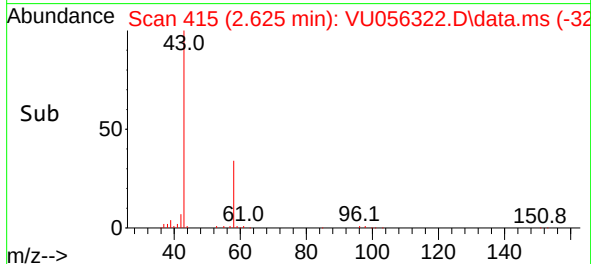
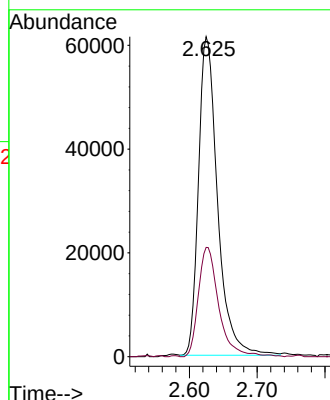
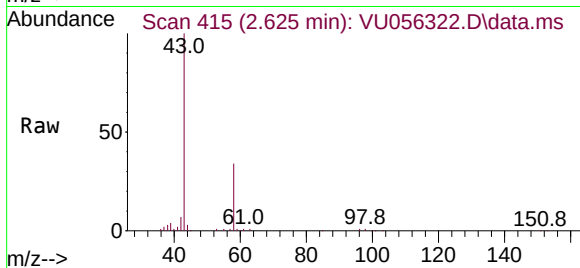
ClientSampleId :

Tgt Ion: 43 Resp: 119740

Ion Ratio Lower Upper

43 100

58 36.5 0.0 70.0



#14

Carbon disulfide

Concen: 5.414 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU056322.D

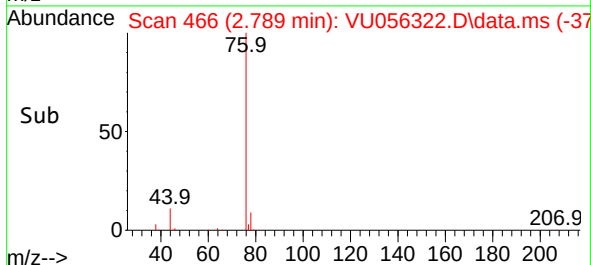
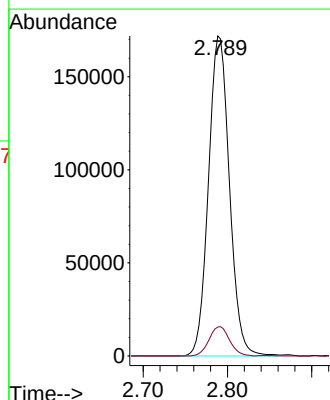
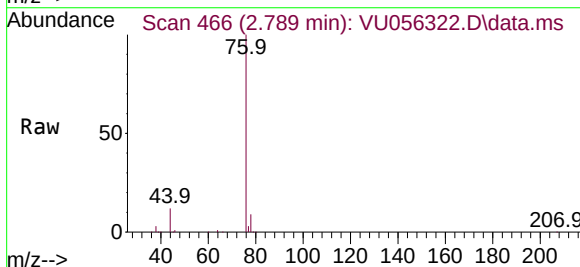
Acq: 14 Nov 2023 21:55

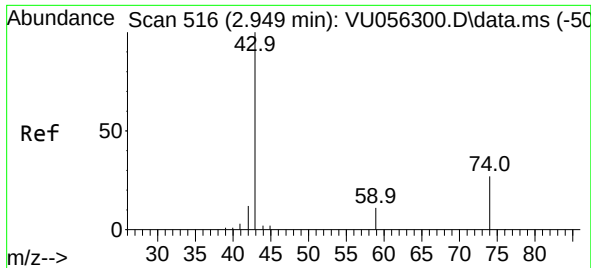
Tgt Ion: 76 Resp: 297564

Ion Ratio Lower Upper

76 100

78 9.1 6.8 10.2

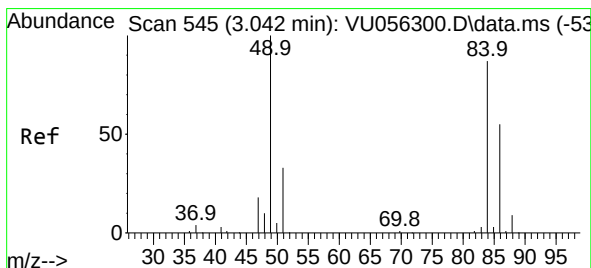
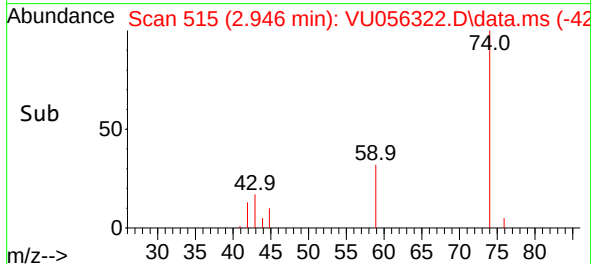
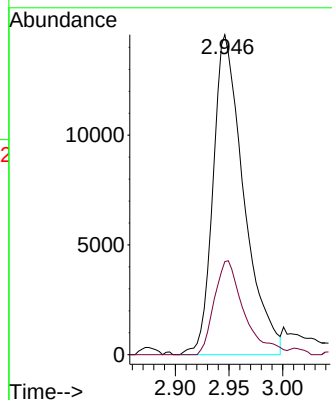
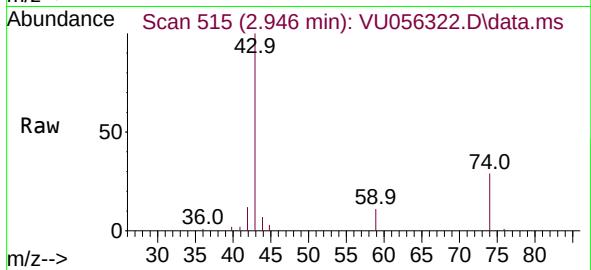




#15
Methyl Acetate
Concen: 4.645 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

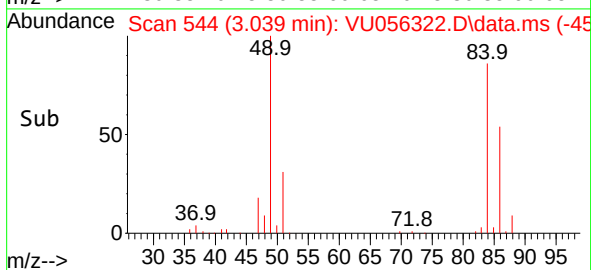
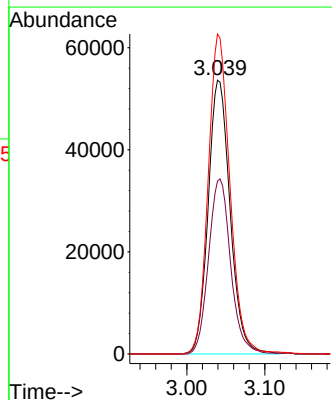
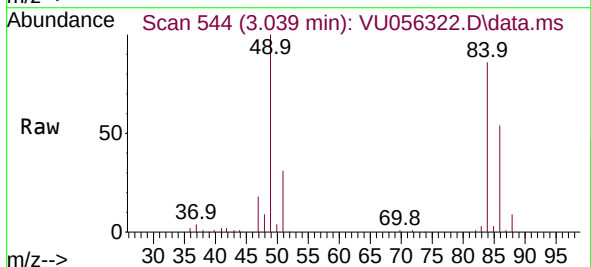
Instrument :
MSVOA_U
ClientSampleId :

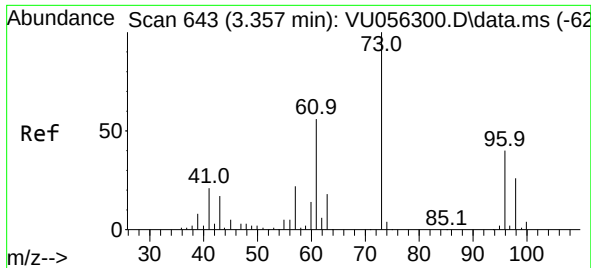
Tgt Ion: 43 Resp: 28970
Ion Ratio Lower Upper
43 100
74 28.5 20.6 31.0



#16
Methylene chloride
Concen: 4.699 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

Tgt Ion: 84 Resp: 105035
Ion Ratio Lower Upper
84 100
86 63.2 44.7 83.1
49 116.9 81.8 152.0

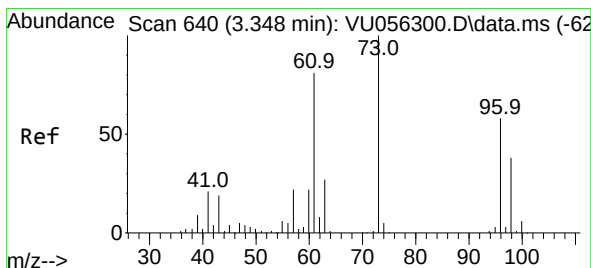
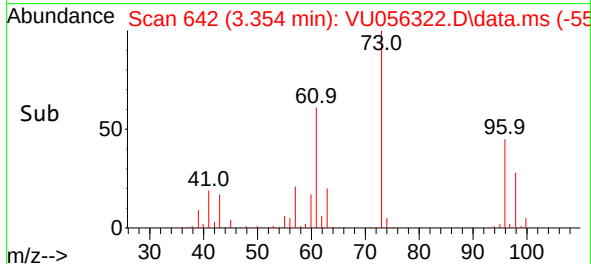
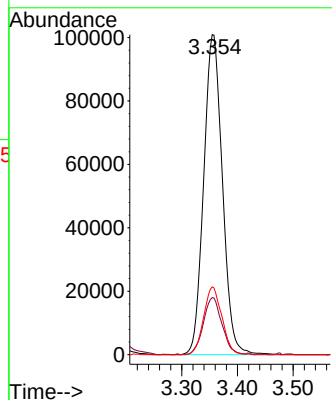
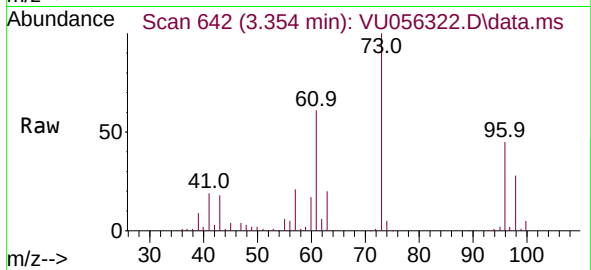




#17
Methyl tert-butyl Ether
Concen: 5.744 ug/L
RT: 3.354 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

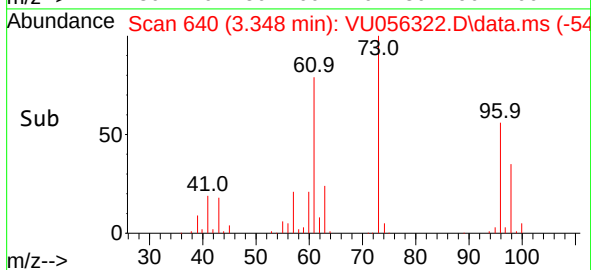
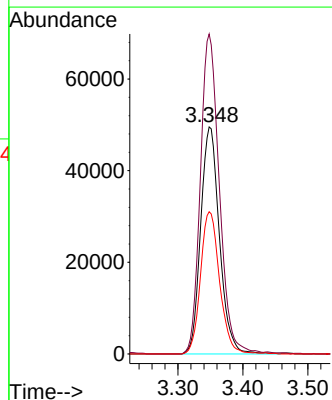
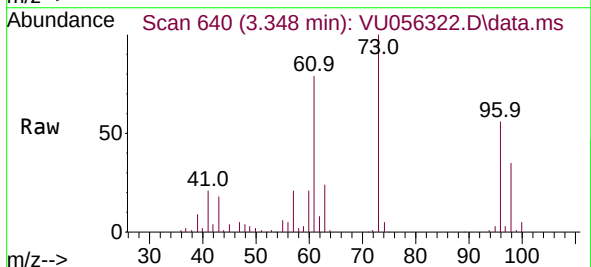
Instrument :
MSVOA_U
ClientSampleId :

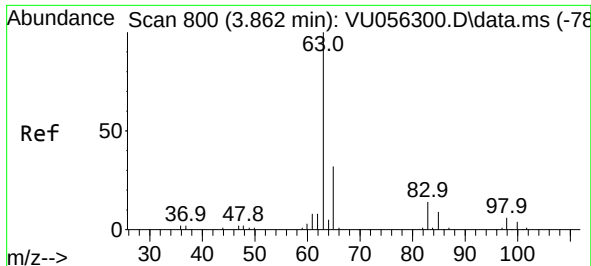
Tgt Ion: 73 Resp: 235721
Ion Ratio Lower Upper
73 100
43 17.8 15.1 22.7
57 20.6 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.743 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

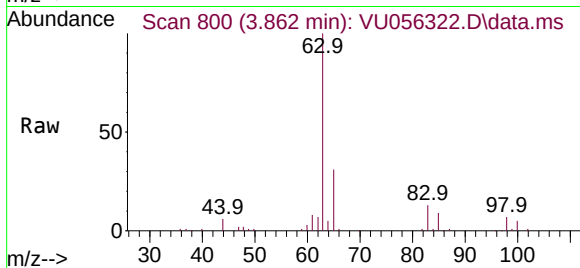
Tgt Ion: 96 Resp: 99803
Ion Ratio Lower Upper
96 100
61 140.9 101.7 188.9
98 62.7 43.0 80.0



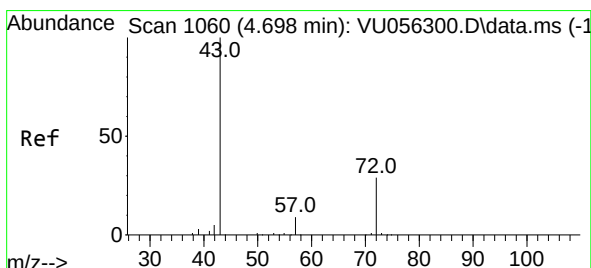
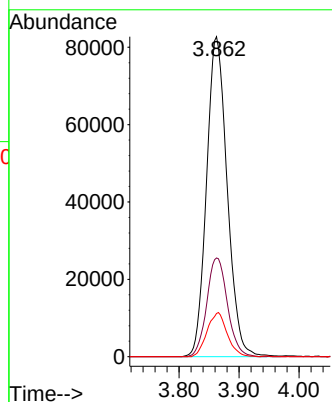
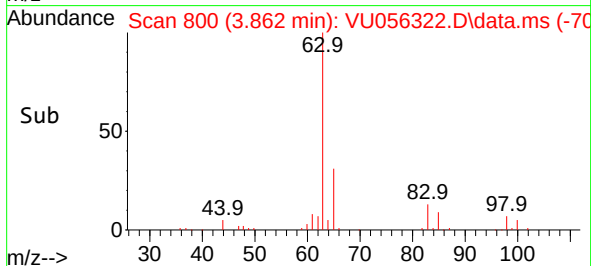


#19
1,1-Dichloroethane
Concen: 5.745 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

Instrument :
MSVOA_U
ClientSampleId :

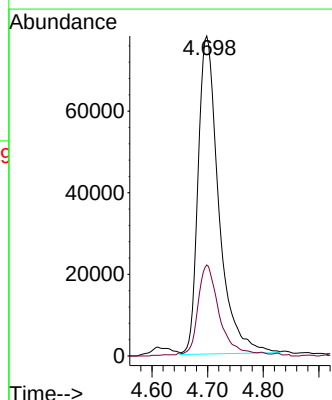
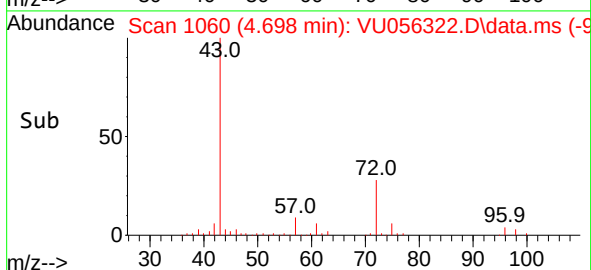
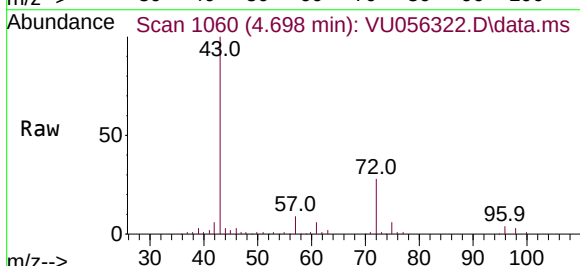


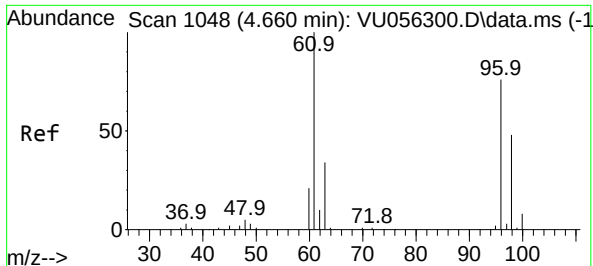
Tgt Ion: 63 Resp: 197774
Ion Ratio Lower Upper
63 100
65 30.9 21.8 40.6
83 13.5 9.7 17.9



#21
2-Butanone
Concen: 44.233 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

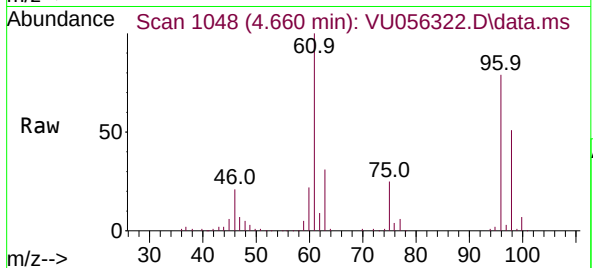
Tgt Ion: 43 Resp: 201160
Ion Ratio Lower Upper
43 100
72 27.2 14.2 42.6





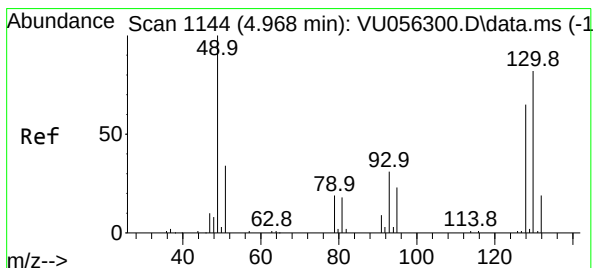
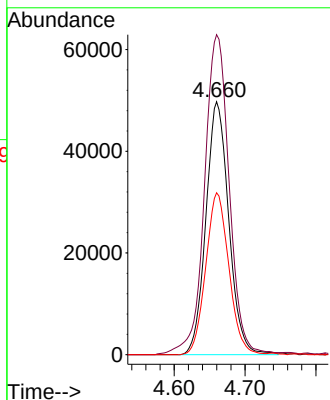
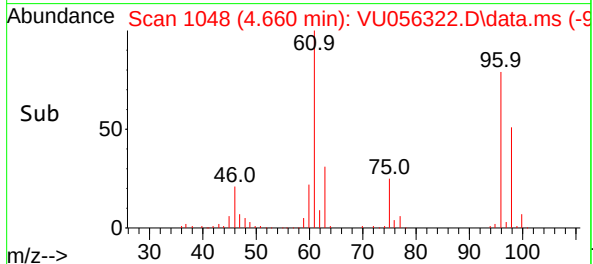
#22
 cis-1,2-Dichloroethene
 Concen: 5.677 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU056322.D
 Acq: 14 Nov 2023 21:55

Instrument :
 MSVOA_U
 ClientSampleId :

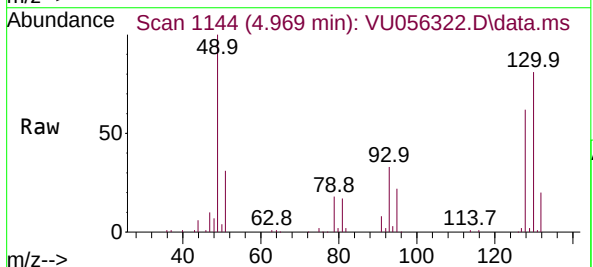


Tgt Ion: 96 Resp: 111877

Ion	Ratio	Lower	Upper
96	100		
61	126.5	93.2	173.2
98	64.0	44.8	83.2

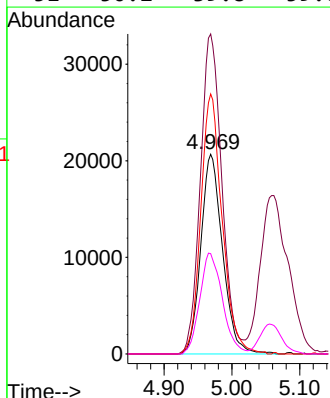
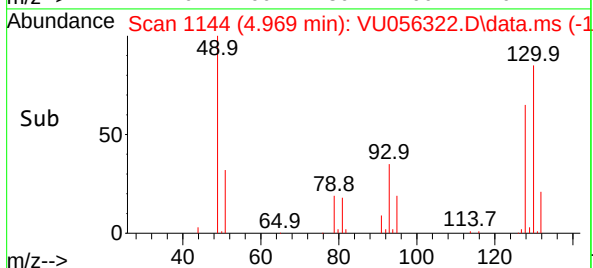


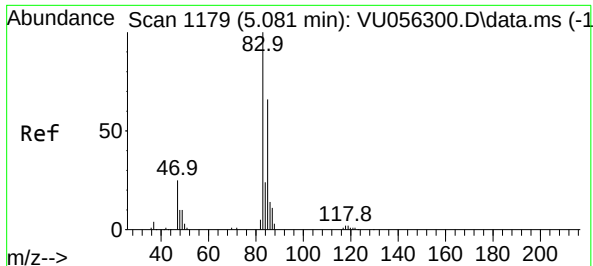
#23
 Bromochloromethane
 Concen: 5.665 ug/L
 RT: 4.969 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU056322.D
 Acq: 14 Nov 2023 21:55



Tgt Ion: 128 Resp: 45949

Ion	Ratio	Lower	Upper
128	100		
49	160.2	113.4	210.6
130	130.2	84.8	157.6
51	50.2	39.8	59.6





#25

Chloroform

Concen: 5.605 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

Instrument :

MSVOA_U

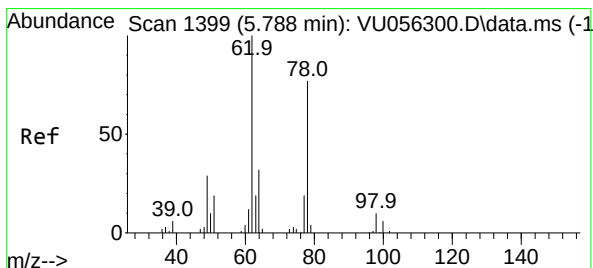
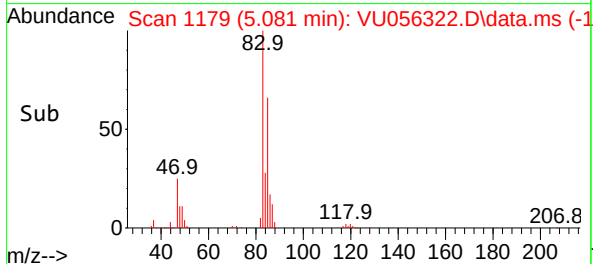
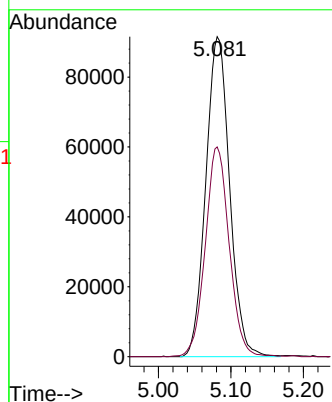
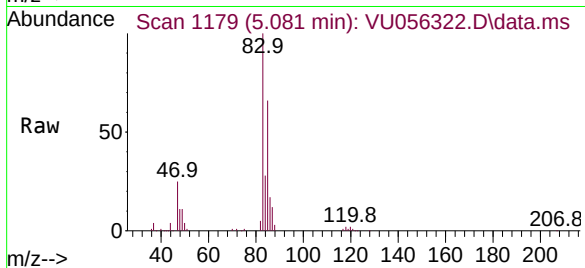
ClientSampleId :

Tgt Ion: 83 Resp: 209031

Ion Ratio Lower Upper

83 100

85 65.5 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.750 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU056322.D

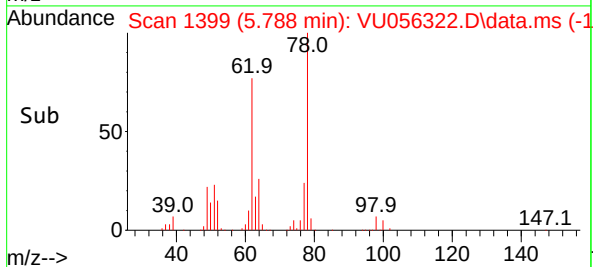
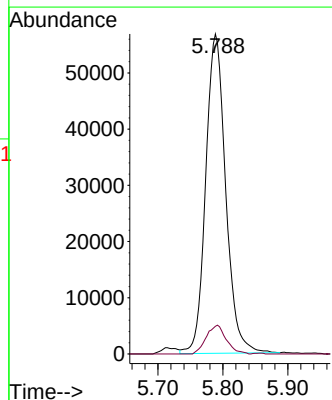
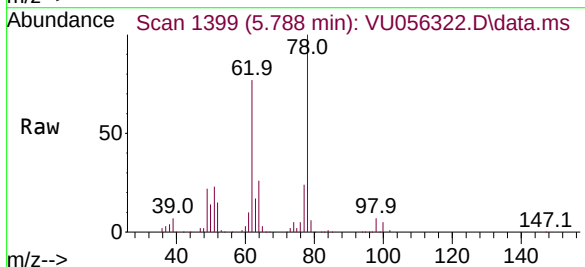
Acq: 14 Nov 2023 21:55

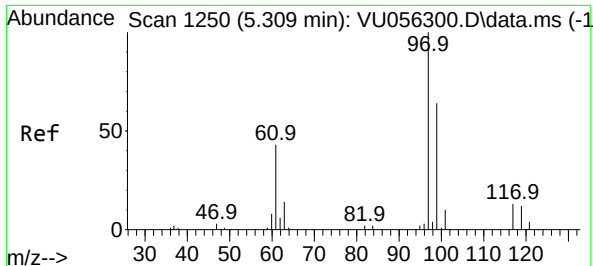
Tgt Ion: 62 Resp: 121759

Ion Ratio Lower Upper

62 100

98 8.7 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.803 ug/L

RT: 5.309 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

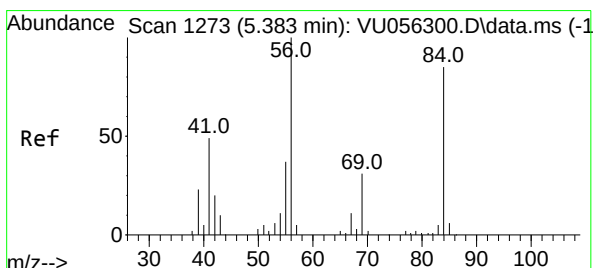
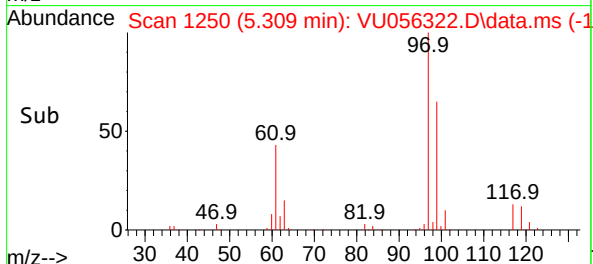
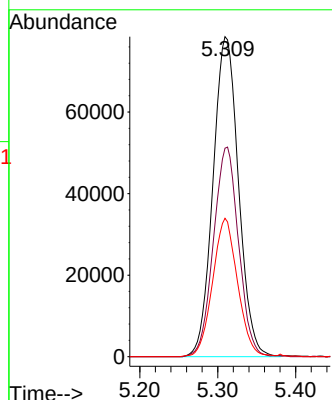
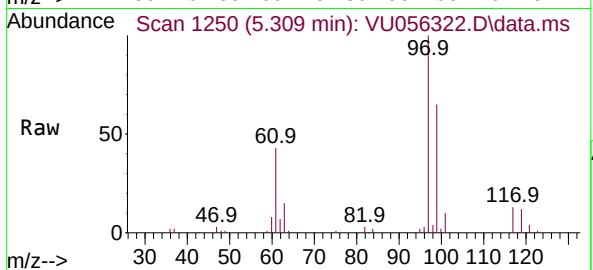
Tgt Ion: 97 Resp: 178762

Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

61 42.3 34.3 51.5



#30

Cyclohexane

Concen: 5.417 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

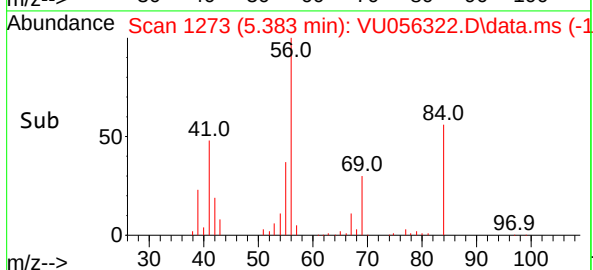
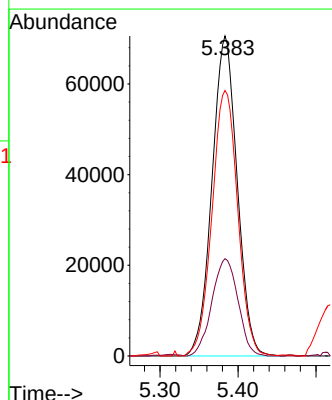
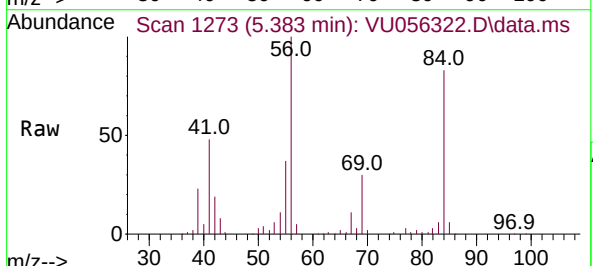
Tgt Ion: 56 Resp: 158392

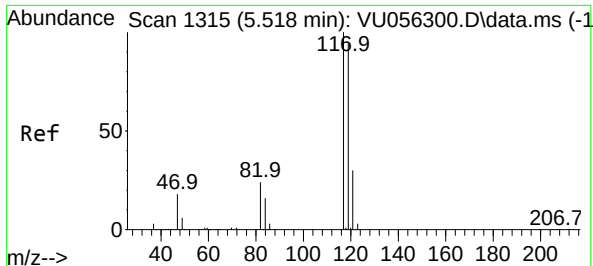
Ion Ratio Lower Upper

56 100

69 31.5 25.4 38.2

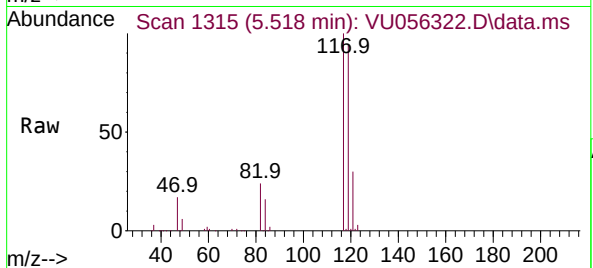
84 84.8 68.6 103.0



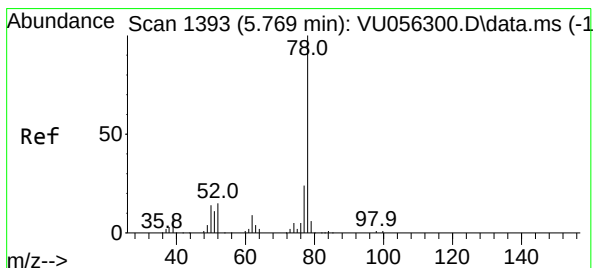
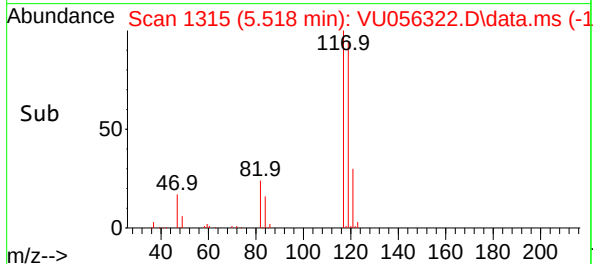
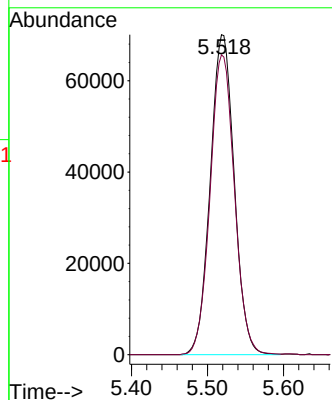


#31
Carbon tetrachloride
Concen: 5.790 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

Instrument :
MSVOA_U
ClientSampleId :

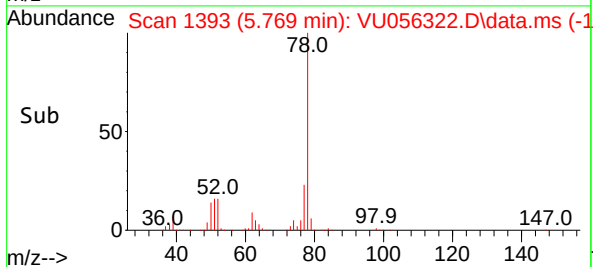
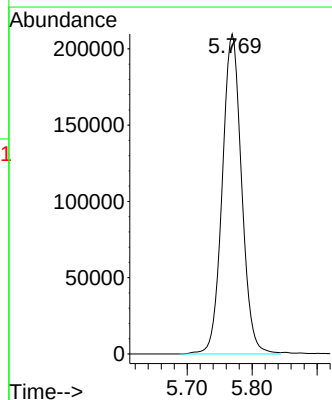
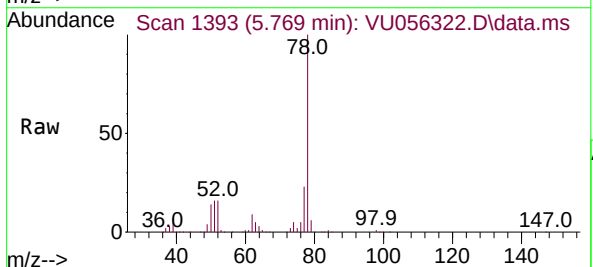


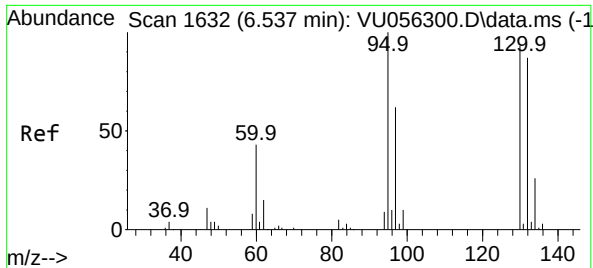
Tgt Ion:117 Resp: 153216
Ion Ratio Lower Upper
117 100
119 95.1 78.1 117.1



#33
Benzene
Concen: 5.653 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

Tgt Ion: 78 Resp: 432902

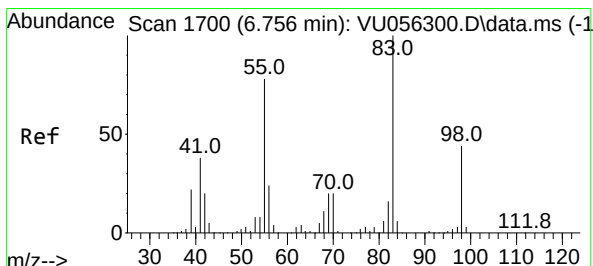
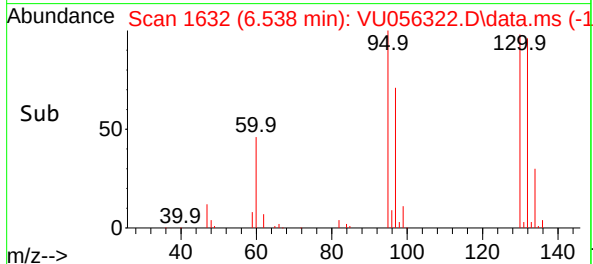
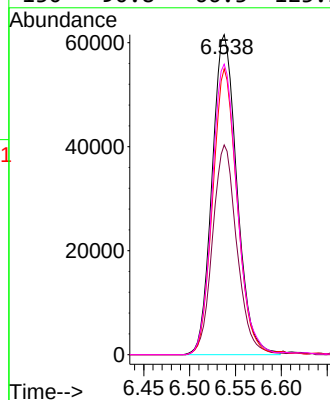
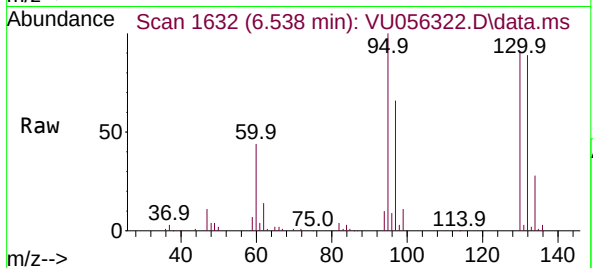




#34
Trichloroethene
Concen: 5.568 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

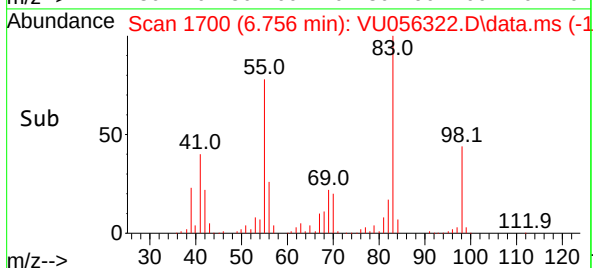
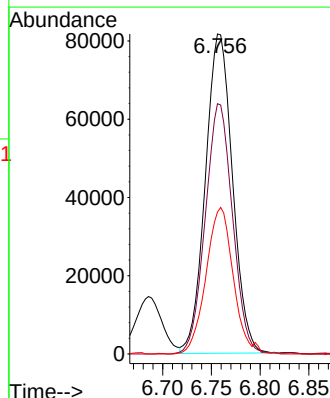
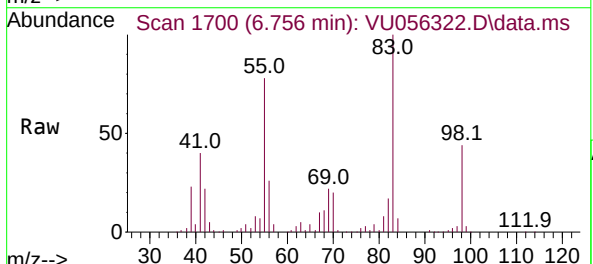
Instrument :
MSVOA_U
ClientSampleId :

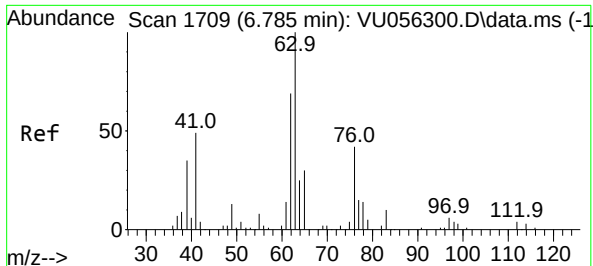
Tgt Ion: 95 Resp: 116179
Ion Ratio Lower Upper
95 100
97 65.6 46.5 86.3
132 89.3 62.0 115.2
130 90.8 66.3 123.1



#35
Methylcyclohexane
Concen: 5.249 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

Tgt Ion: 83 Resp: 158116
Ion Ratio Lower Upper
83 100
55 78.8 62.9 94.3
98 46.1 35.3 52.9

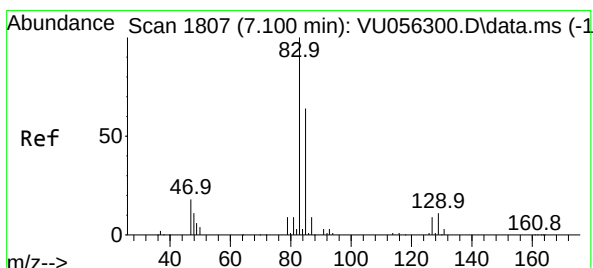
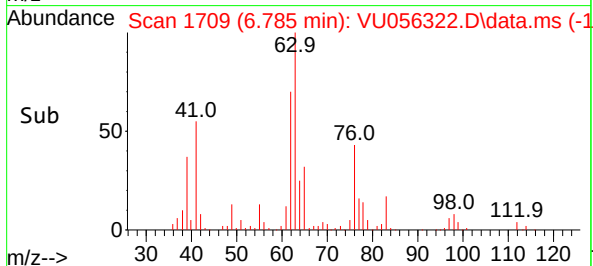
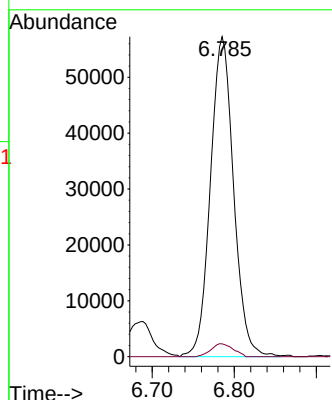
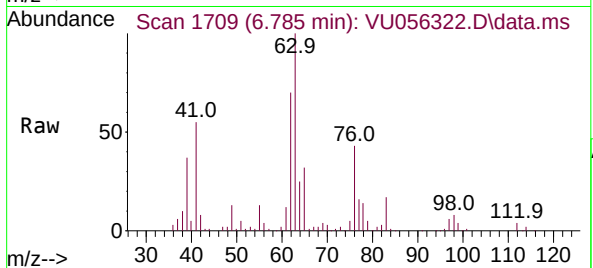




#37
1,2-Dichloropropane
Concen: 5.637 ug/L
RT: 6.785 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

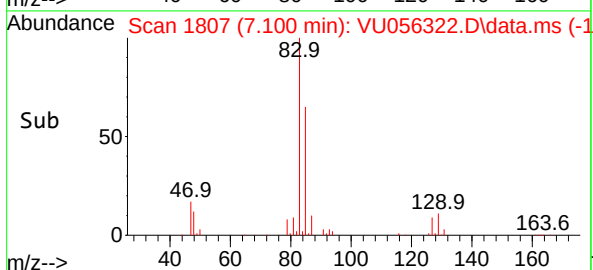
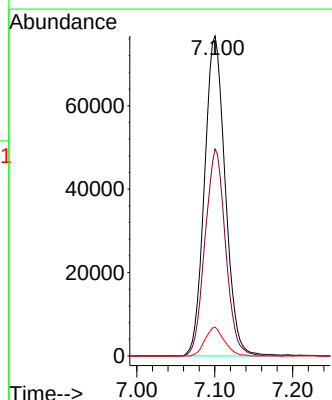
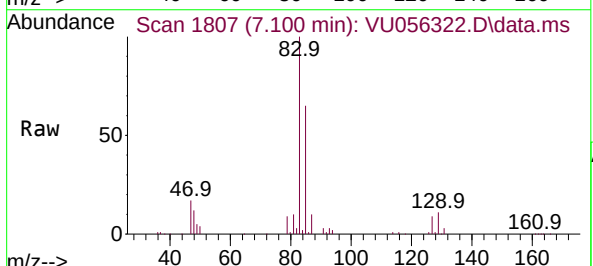
Instrument :
MSVOA_U
ClientSampleId :

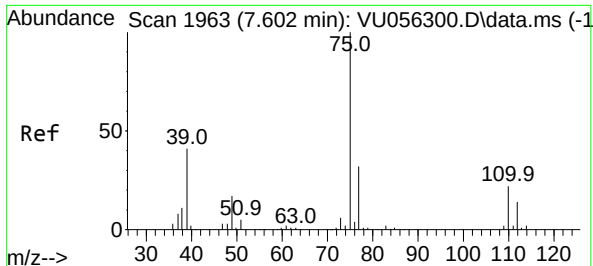
Tgt Ion: 63 Resp: 112581
Ion Ratio Lower Upper
63 100
112 3.9 3.2 4.8



#38
Bromodichloromethane
Concen: 5.507 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

Tgt Ion: 83 Resp: 141968
Ion Ratio Lower Upper
83 100
85 64.7 44.9 83.5
127 9.0 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.427 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

Instrument :

MSVOA_U

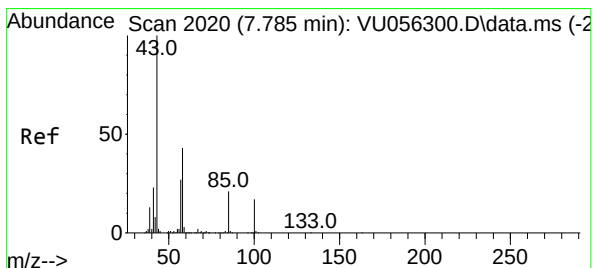
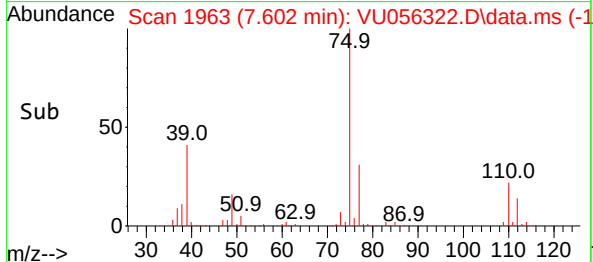
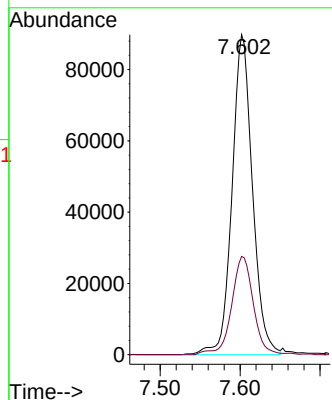
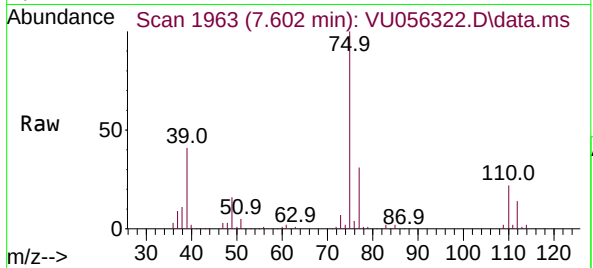
ClientSampleId :

Tgt Ion: 75 Resp: 159259

Ion Ratio Lower Upper

75 100

77 30.7 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 53.658 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

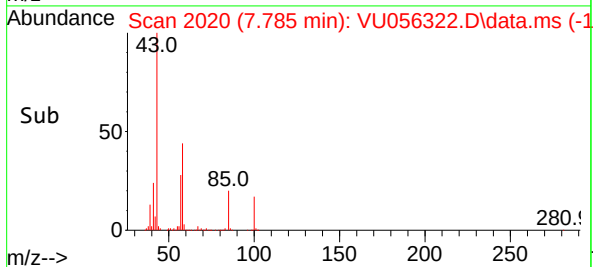
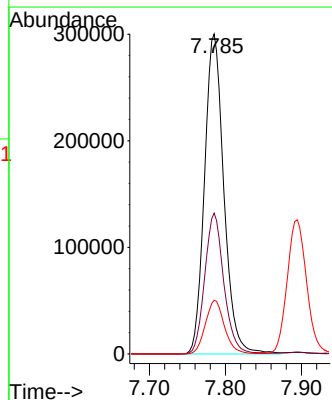
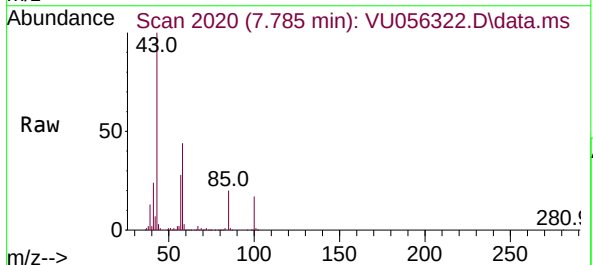
Tgt Ion: 43 Resp: 531185

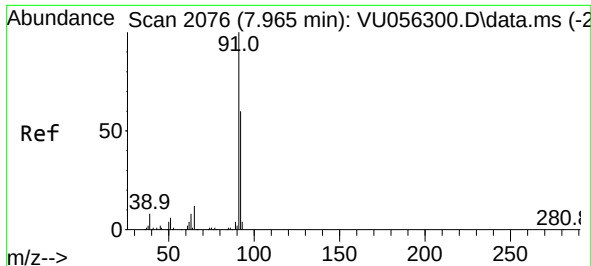
Ion Ratio Lower Upper

43 100

58 43.5 33.8 50.8

100 16.6 13.0 19.4





#42

Toluene

Concen: 5.783 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

Instrument :

MSVOA_U

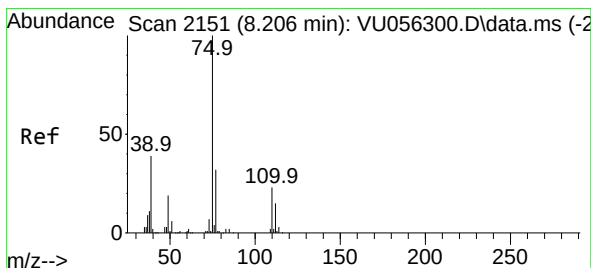
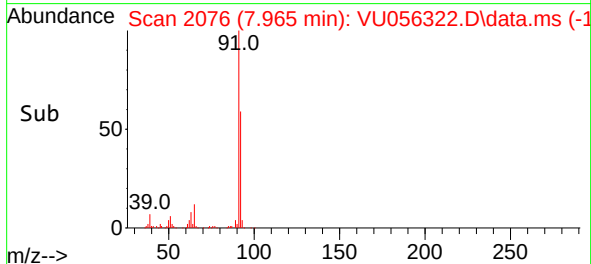
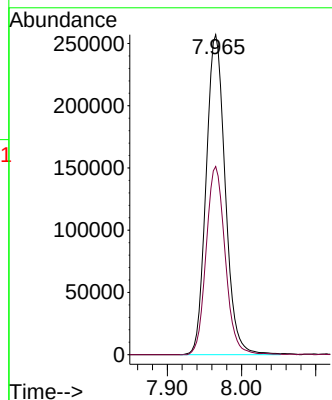
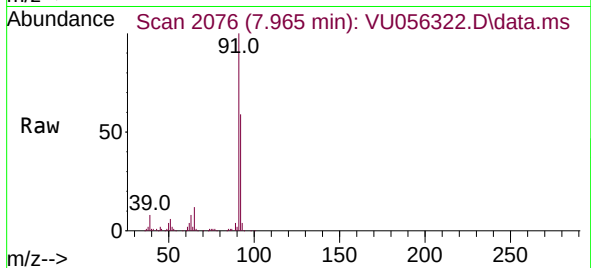
ClientSampleId :

Tgt Ion: 91 Resp: 458523

Ion Ratio Lower Upper

91 100

92 58.8 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.691 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056322.D

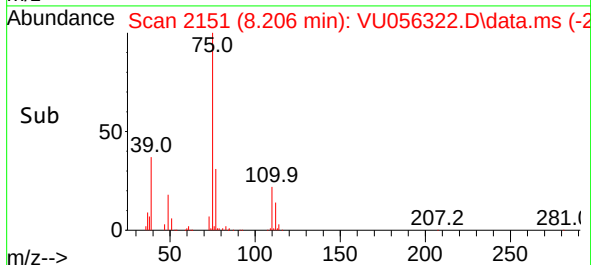
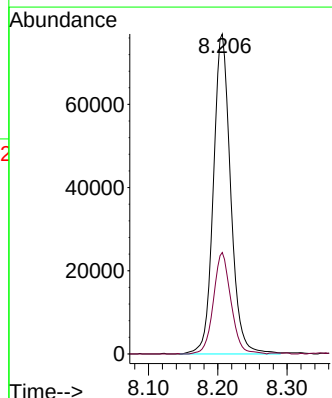
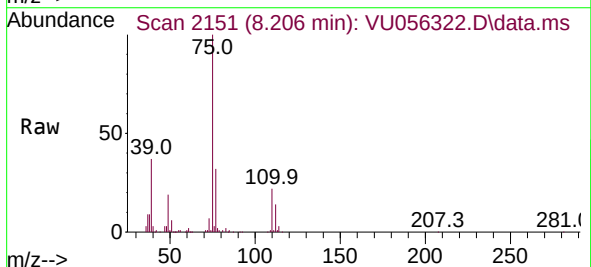
Acq: 14 Nov 2023 21:55

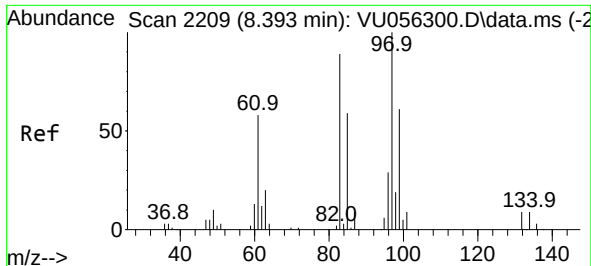
Tgt Ion: 75 Resp: 133141

Ion Ratio Lower Upper

75 100

77 31.7 22.8 42.4

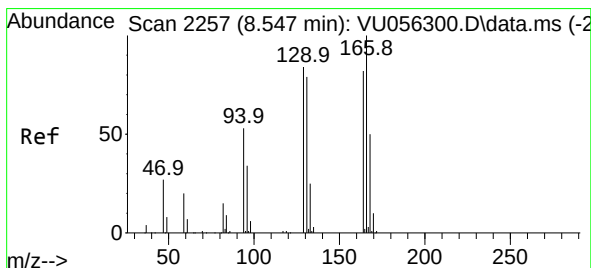
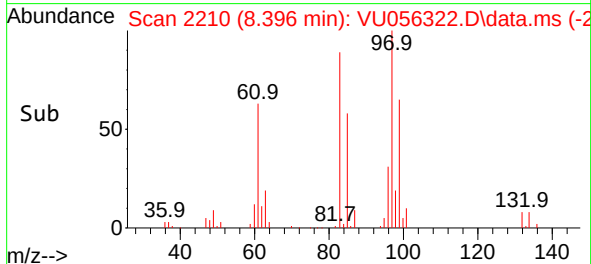
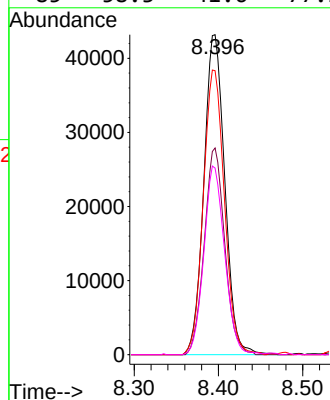
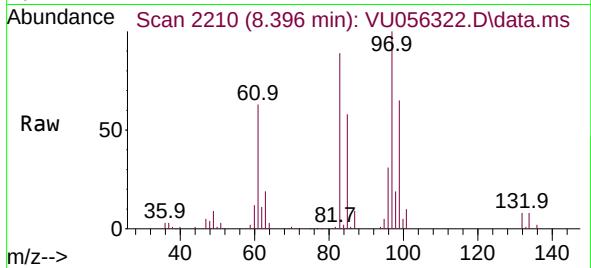




#45
1,1,2-Trichloroethane
Concen: 5.620 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.003 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

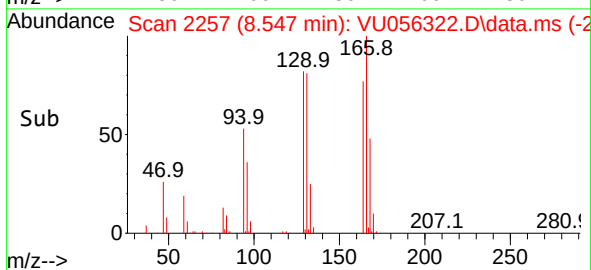
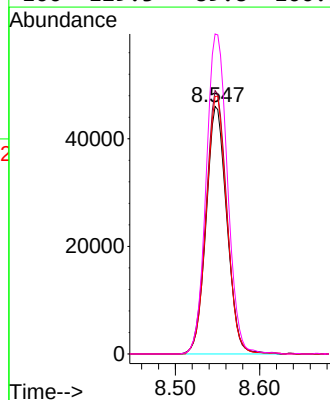
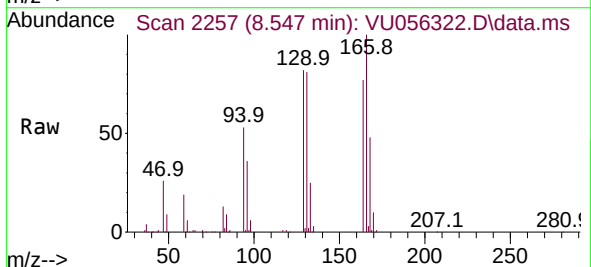
Instrument :
MSVOA_U
ClientSampleId :

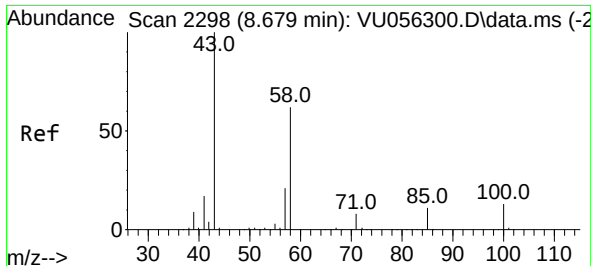
Tgt Ion:	97	Resp:	74753
Ion	Ratio	Lower	Upper
97	100		
99	64.6	44.3	82.3
83	88.7	65.4	121.4
85	58.3	41.6	77.3



#47
Tetrachloroethene
Concen: 5.601 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

Tgt Ion:	164	Resp:	78809
Ion	Ratio	Lower	Upper
164	100		
129	106.4	71.0	131.9
131	104.1	70.3	130.7
166	129.3	89.8	166.8

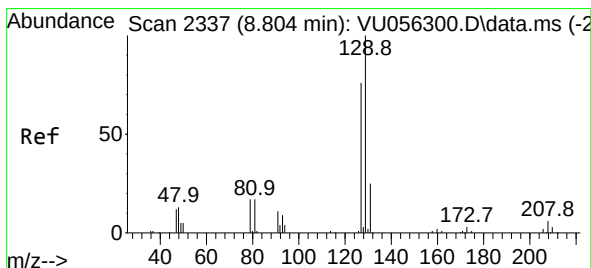
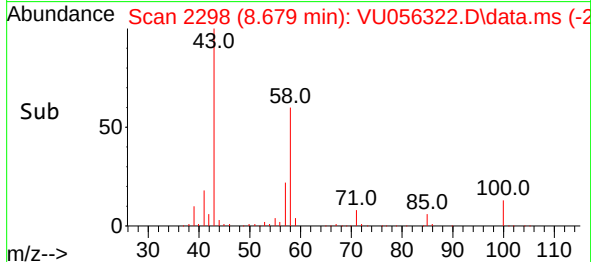
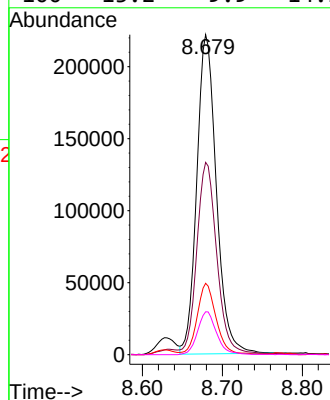
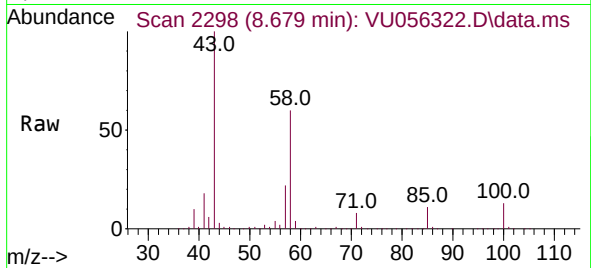




#48
2-Hexanone
Concen: 49.076 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

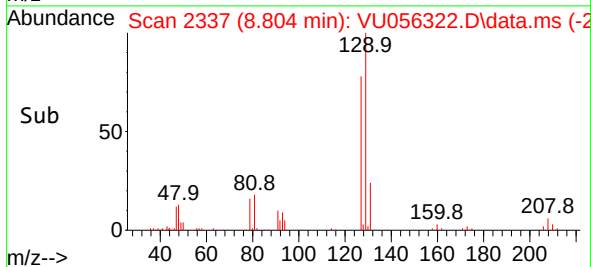
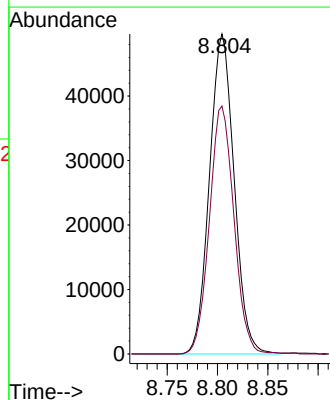
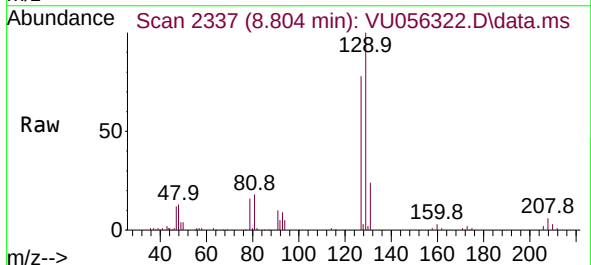
Instrument :
MSVOA_U
ClientSampleId :

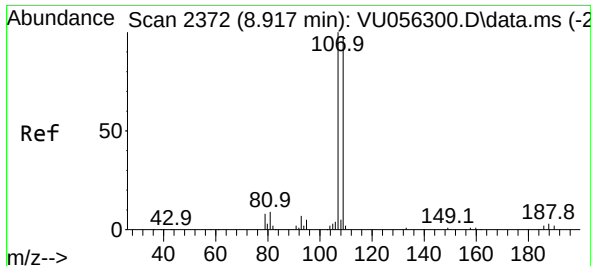
Tgt Ion:	43	Resp:	378486
Ion	Ratio	Lower	Upper
43	100		
58	61.0	48.7	73.1
57	21.3	16.8	25.2
100	13.2	9.9	14.9



#49
Dibromochloromethane
Concen: 5.593 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

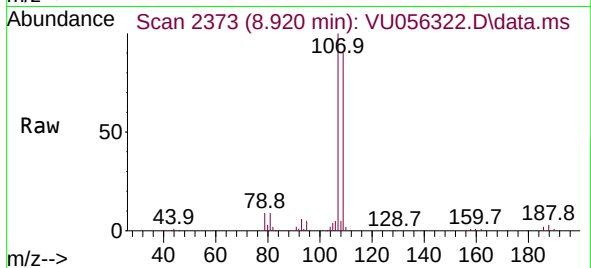
Tgt Ion:	129	Resp:	84599
Ion	Ratio	Lower	Upper
129	100		
127	77.5	52.9	98.3



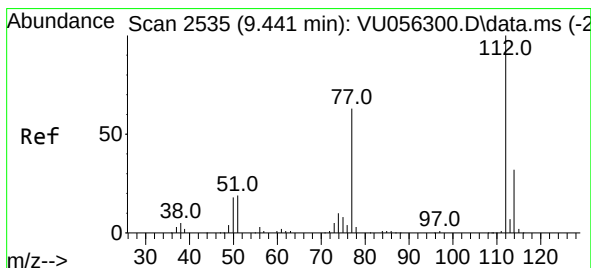
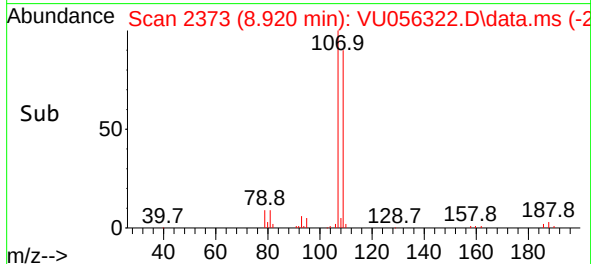
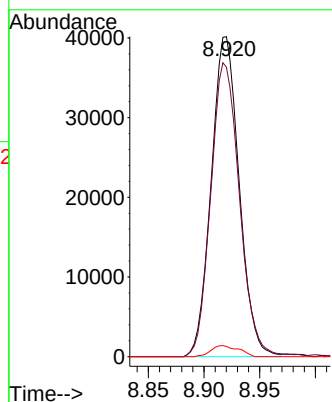


#50
1,2-Dibromoethane
Concen: 5.584 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

Instrument :
MSVOA_U
ClientSampleId :

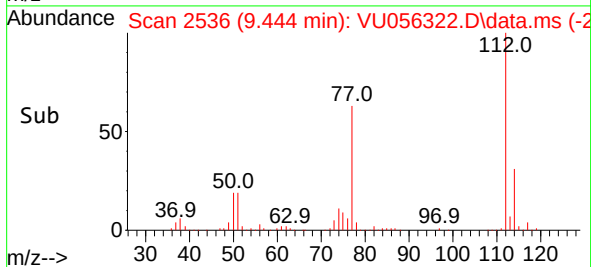
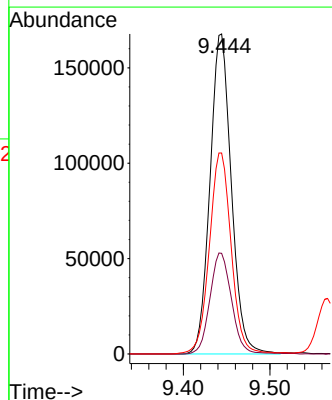
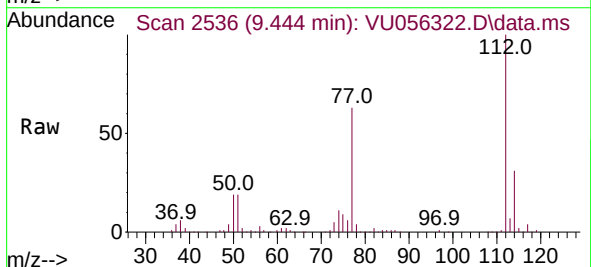


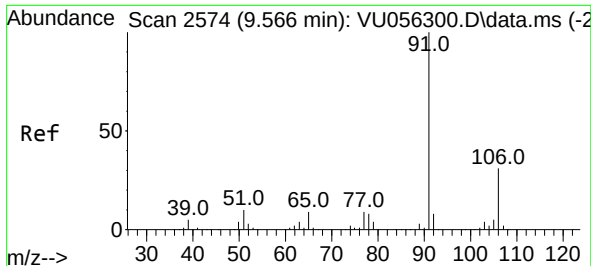
Tgt Ion:107 Resp: 70116
Ion Ratio Lower Upper
107 100
109 90.4 64.2 119.2
188 3.2 2.6 4.0



#51
Chlorobenzene
Concen: 5.631 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

Tgt Ion:112 Resp: 286866
Ion Ratio Lower Upper
112 100
114 31.4 22.5 41.7
77 62.8 51.7 77.5

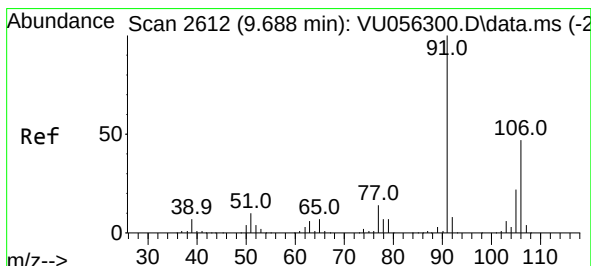
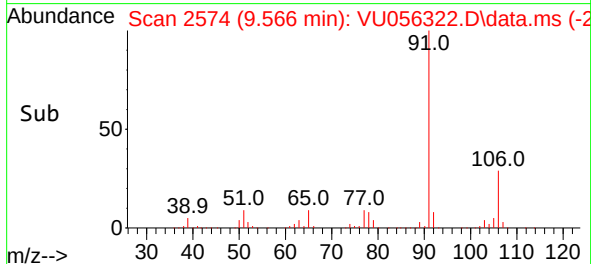
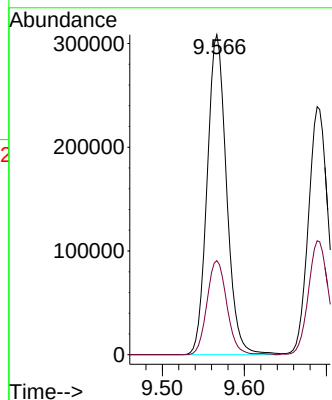
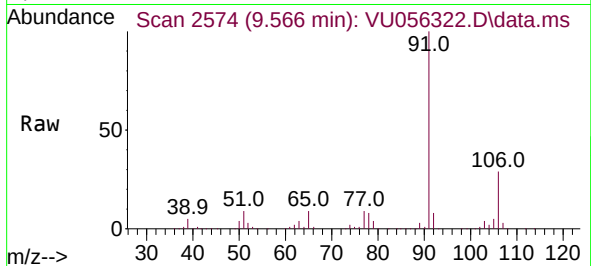




#52
Ethylbenzene
Concen: 5.753 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

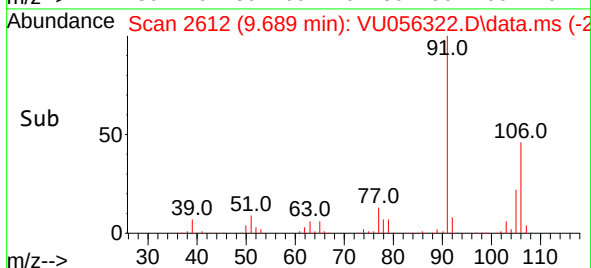
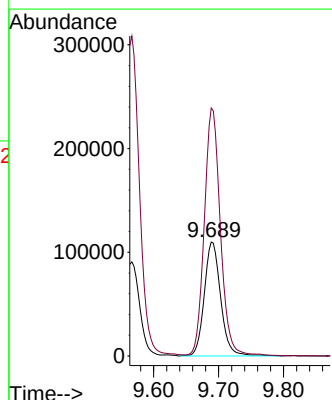
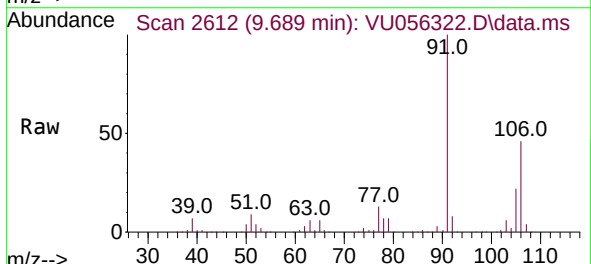
Instrument :
MSVOA_U
ClientSampleId :

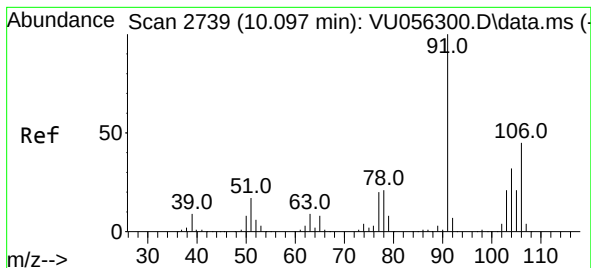
Tgt Ion: 91 Resp: 506504
Ion Ratio Lower Upper
91 100
106 29.4 21.1 39.1



#53
m,p-Xylene
Concen: 5.960 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

Tgt Ion: 106 Resp: 192899
Ion Ratio Lower Upper
106 100
91 217.6 149.6 277.8





#54

o-Xylene

Concen: 5.759 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.000 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

Instrument :

MSVOA_U

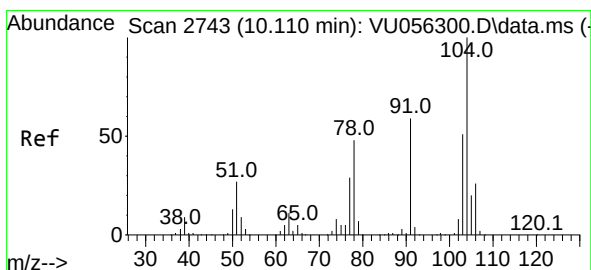
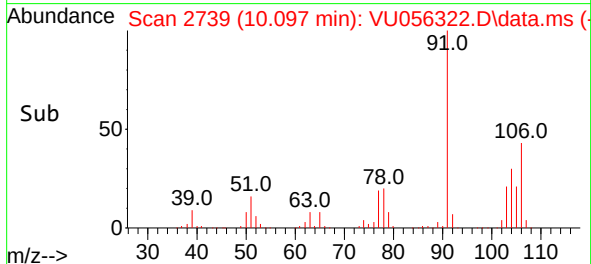
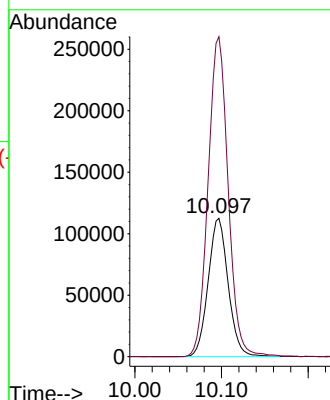
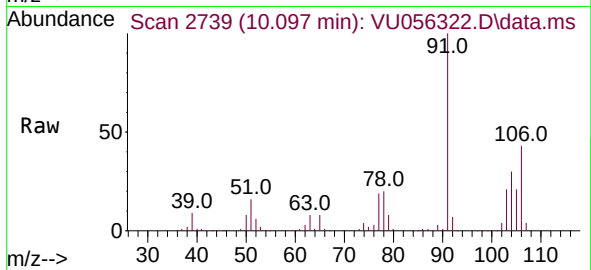
ClientSampleId :

Tgt Ion:106 Resp: 181039

Ion Ratio Lower Upper

106 100

91 231.3 159.3 295.9



#55

Styrene

Concen: 5.976 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU056322.D

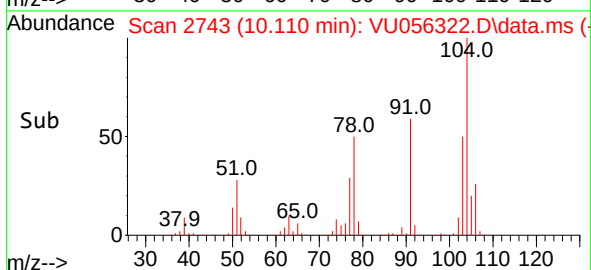
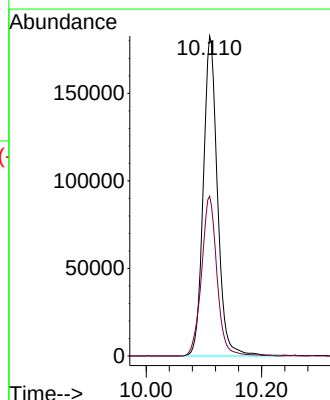
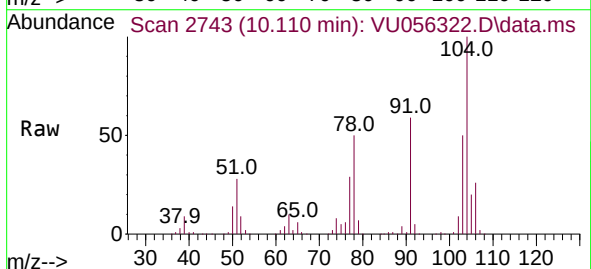
Acq: 14 Nov 2023 21:55

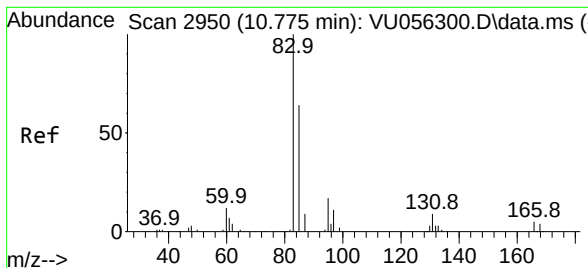
Tgt Ion:104 Resp: 312502

Ion Ratio Lower Upper

104 100

78 49.9 34.2 63.6

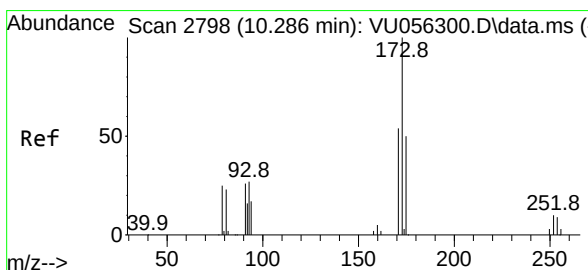
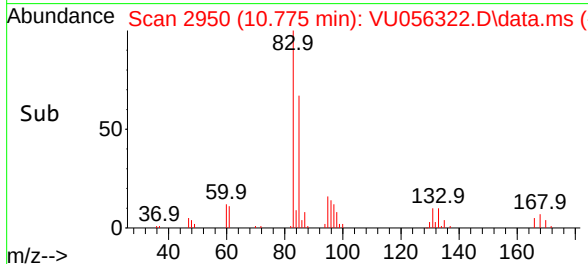
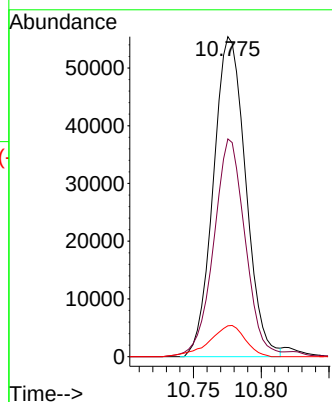
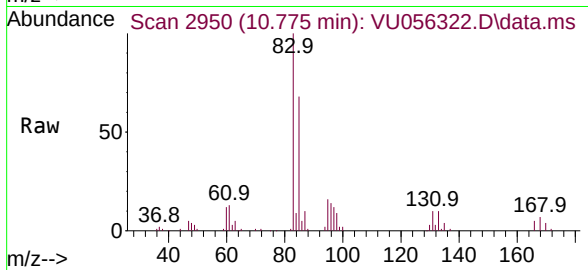




#57
1,1,2,2-Tetrachloroethane
Concen: 5.646 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

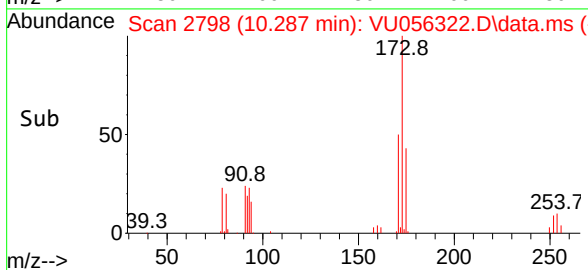
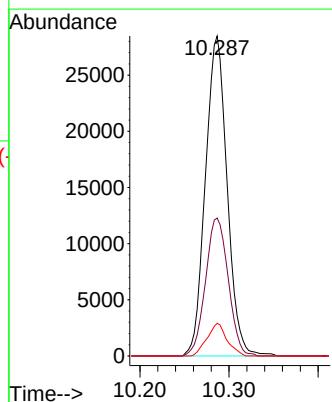
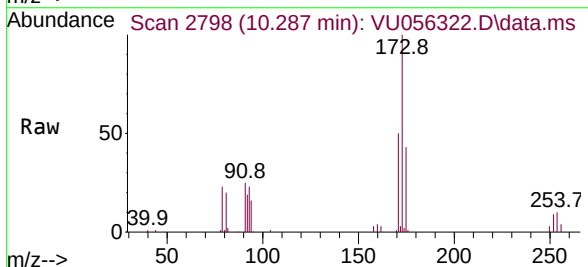
Instrument :
MSVOA_U
ClientSampleId :

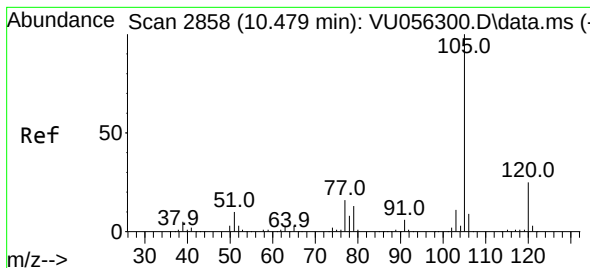
Tgt Ion: 83 Resp: 91688
Ion Ratio Lower Upper
83 100
85 68.1 46.3 86.1
131 9.7 6.7 10.1



#59
Bromoform
Concen: 5.459 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

Tgt Ion:173 Resp: 48209
Ion Ratio Lower Upper
173 100
175 45.0 38.9 58.3
254 9.4 6.7 10.1





#60

Isopropylbenzene

Concen: 5.513 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

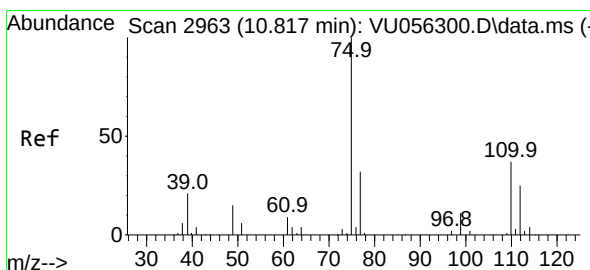
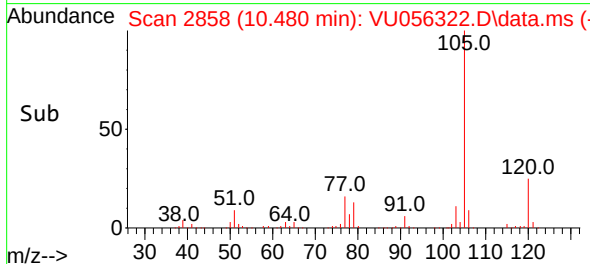
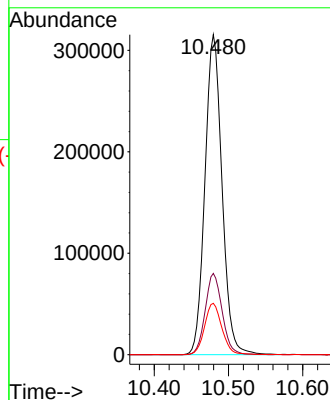
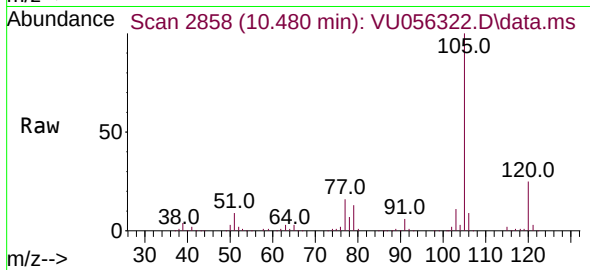
Tgt Ion:105 Resp: 504061

Ion Ratio Lower Upper

105 100

120 25.2 20.4 30.6

77 16.3 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.350 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

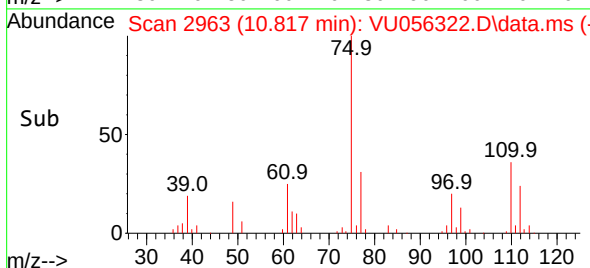
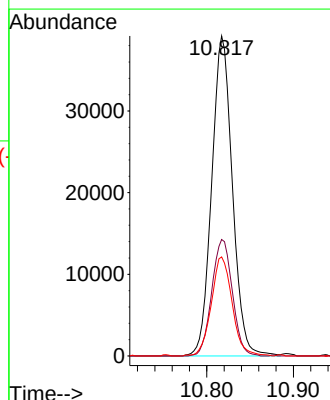
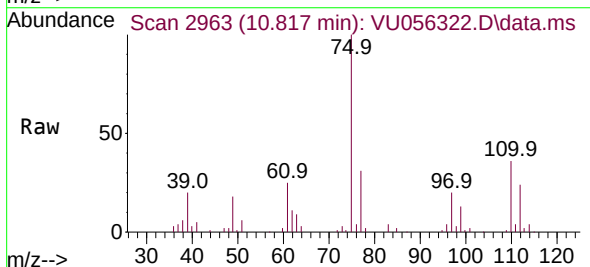
Tgt Ion: 75 Resp: 65083

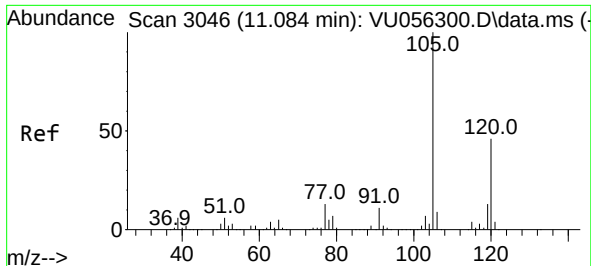
Ion Ratio Lower Upper

75 100

110 36.1 30.4 45.6

77 31.2 27.0 40.6





#62

1,3,5-Trimethylbenzene

Concen: 5.412 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

Instrument :

MSVOA_U

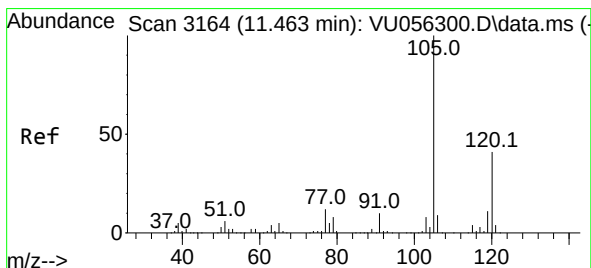
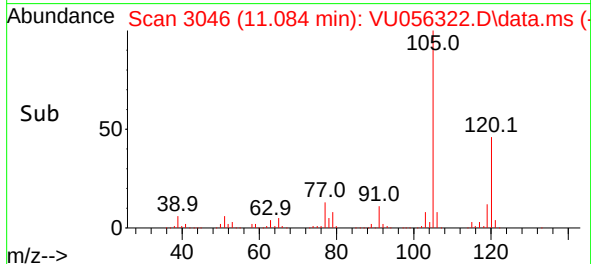
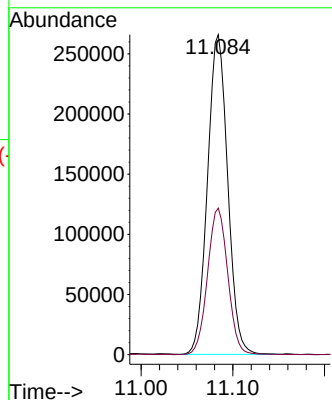
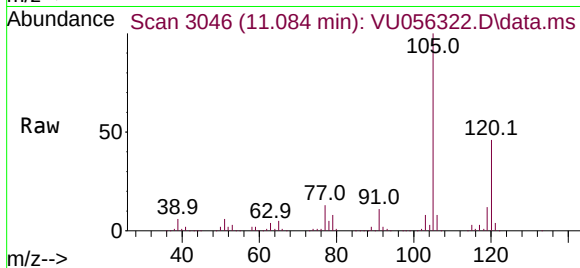
ClientSampleId :

Tgt Ion:105 Resp: 406283

Ion Ratio Lower Upper

105 100

120 46.0 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 5.593 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU056322.D

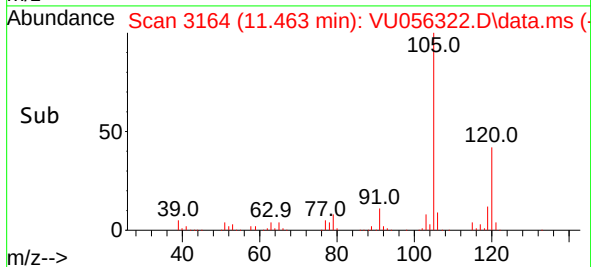
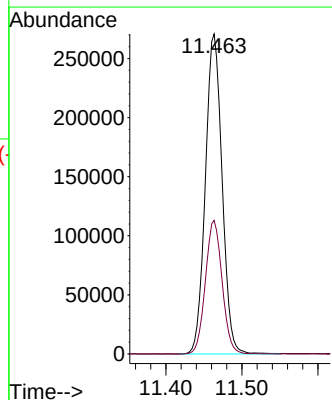
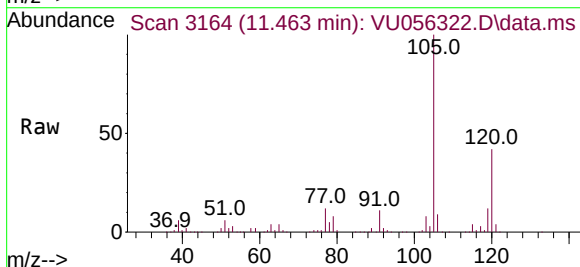
Acq: 14 Nov 2023 21:55

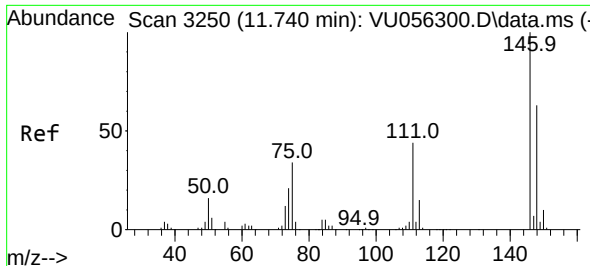
Tgt Ion:105 Resp: 414465

Ion Ratio Lower Upper

105 100

120 41.7 34.0 51.0

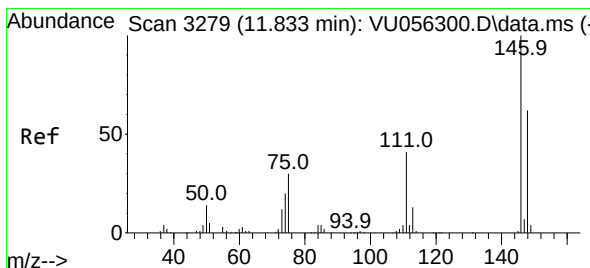
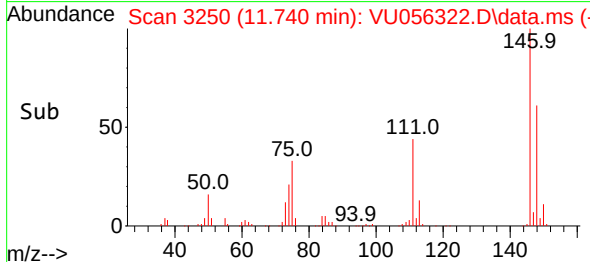
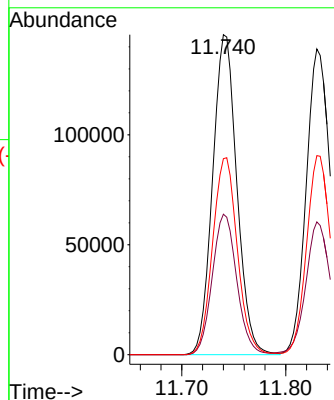
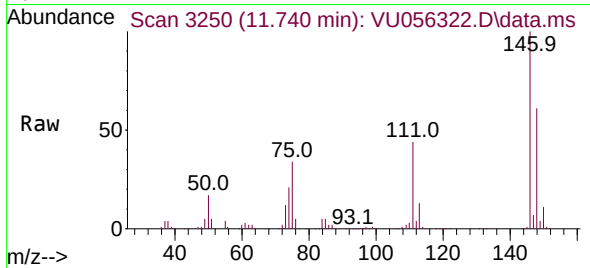




#64
1,3-Dichlorobenzene
Concen: 5.677 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

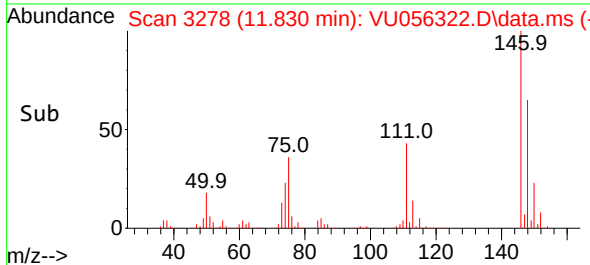
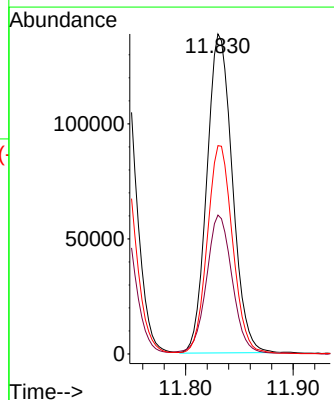
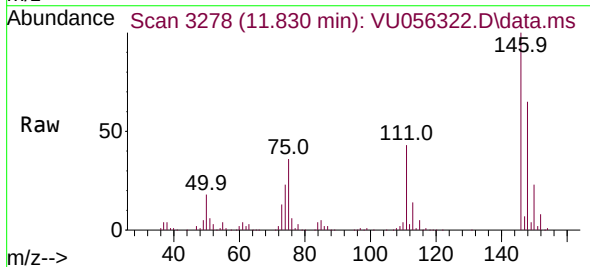
Instrument :
MSVOA_U
ClientSampleId :

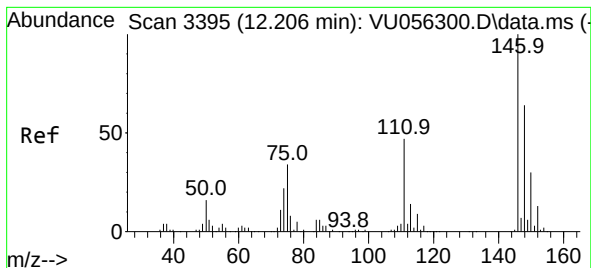
Tgt Ion:146 Resp: 236101
Ion Ratio Lower Upper
146 100
111 43.9 31.1 57.7
148 61.3 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 5.476 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056322.D
Acq: 14 Nov 2023 21:55

Tgt Ion:146 Resp: 228460
Ion Ratio Lower Upper
146 100
111 43.4 30.5 56.7
148 65.1 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.663 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

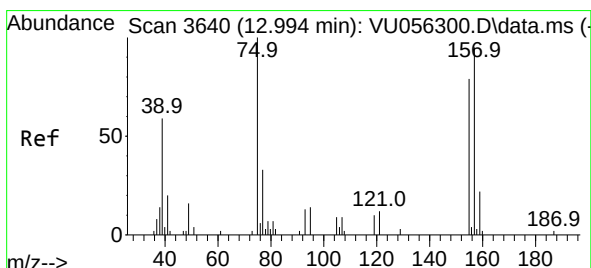
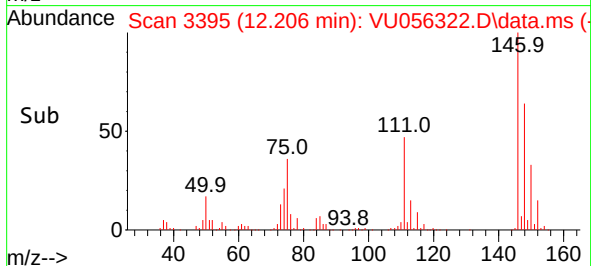
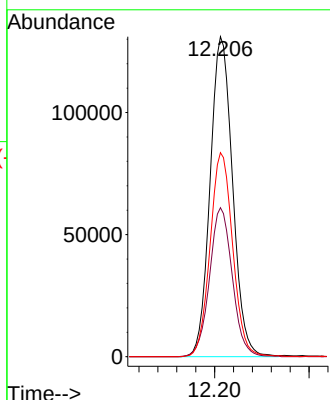
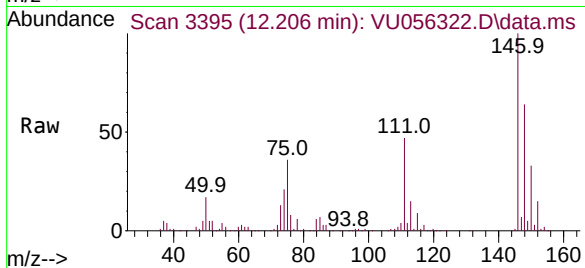
Tgt Ion:146 Resp: 216082

Ion Ratio Lower Upper

146 100

111 46.6 38.3 57.5

148 63.7 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.151 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

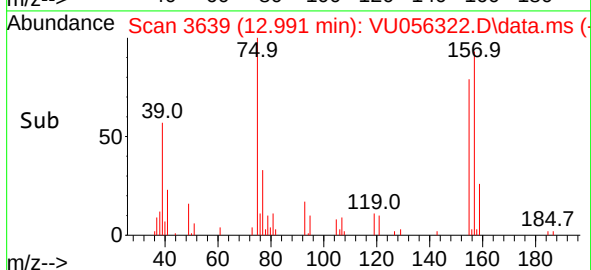
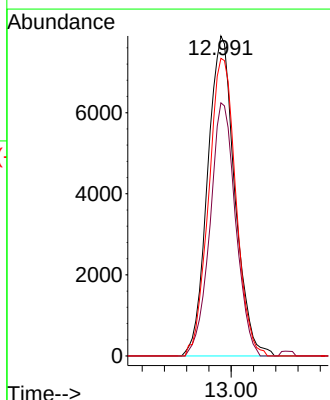
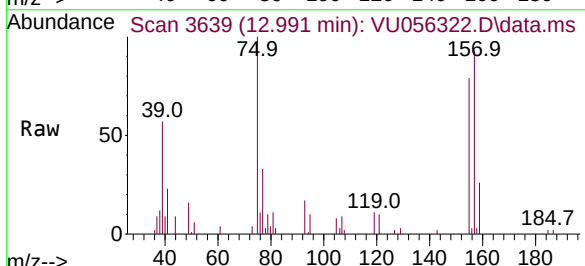
Tgt Ion: 75 Resp: 13383

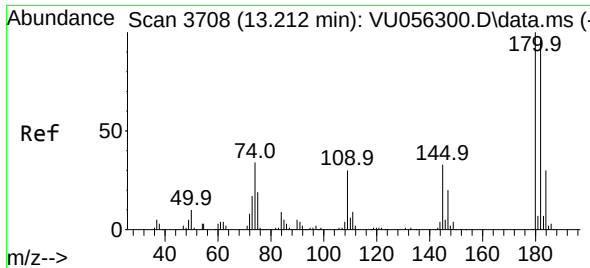
Ion Ratio Lower Upper

75 100

155 79.1 62.4 93.6

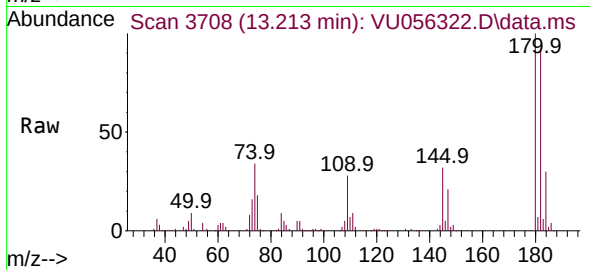
157 93.0 80.2 120.2



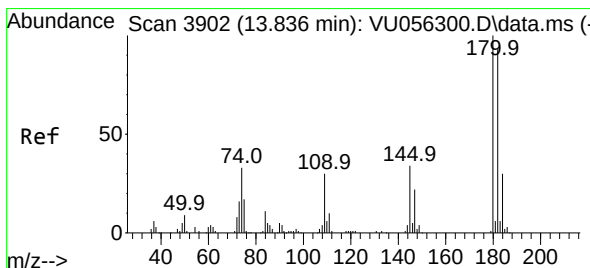
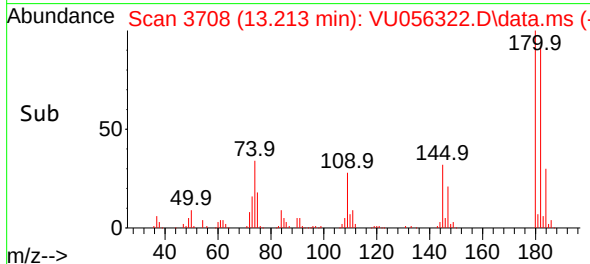
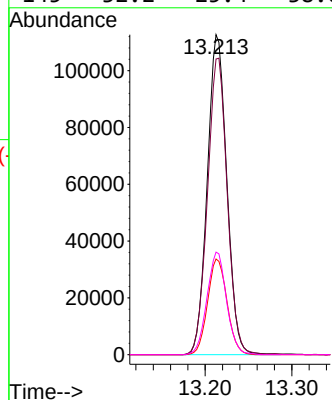


#69
 1,3,5-Trichlorobenzene
 Concen: 5.629 ug/L
 RT: 13.213 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU056322.D
 Acq: 14 Nov 2023 21:55

Instrument :
 MSVOA_U
 ClientSampleId :

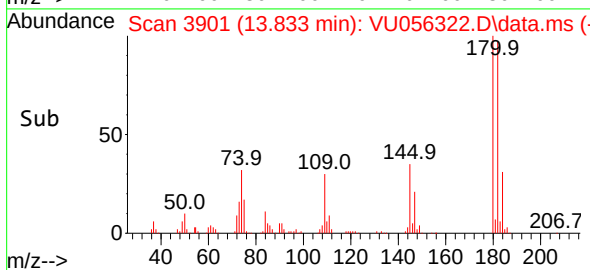
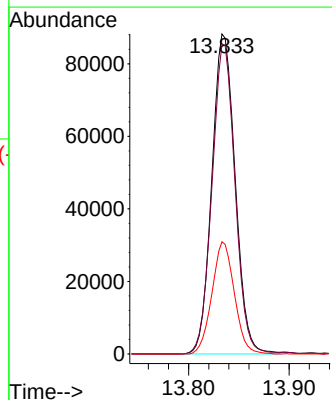
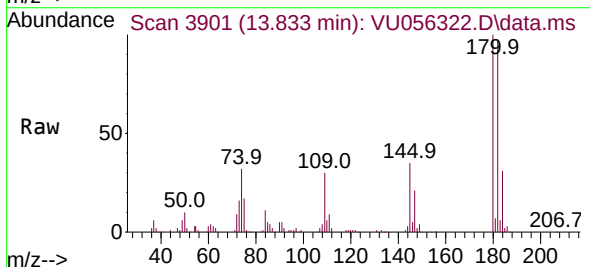


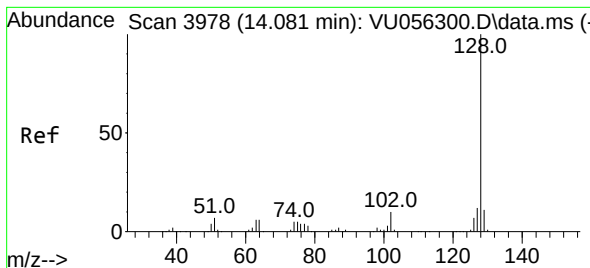
Tgt Ion:180 Resp: 176281
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.1 112.7
 184 29.8 23.5 35.3
 145 32.2 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 5.563 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU056322.D
 Acq: 14 Nov 2023 21:55

Tgt Ion:180 Resp: 141890
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.4 113.2
 145 33.7 26.8 40.2





#71

Naphthalene

Concen: 5.480 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

Instrument :

MSVOA_U

ClientSampleId :

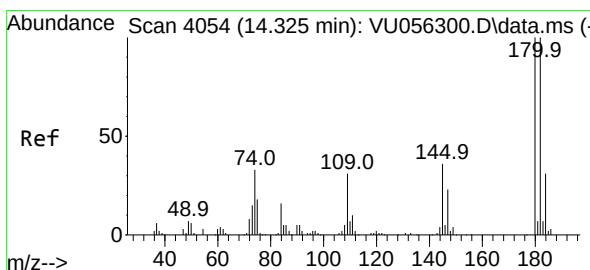
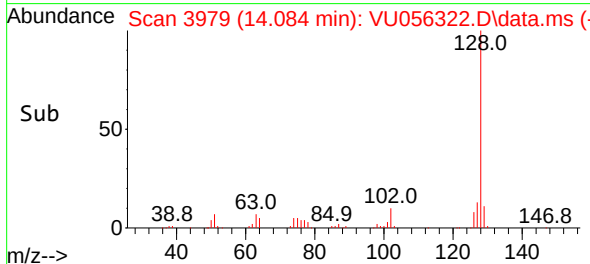
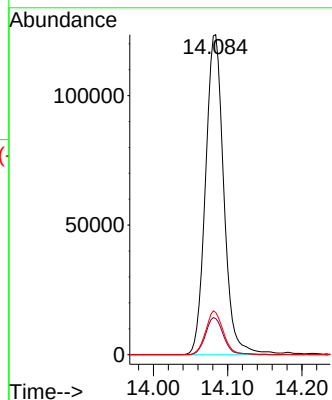
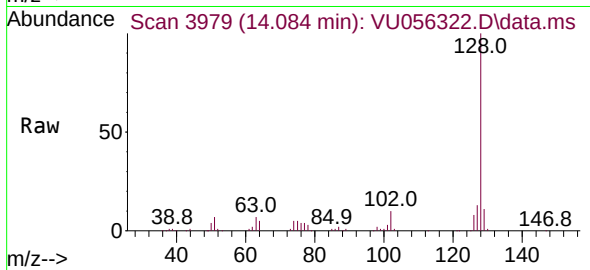
Tgt Ion:128 Resp: 211179

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

127 13.3 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 5.735 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU056322.D

Acq: 14 Nov 2023 21:55

Tgt Ion:180 Resp: 120492

Ion Ratio Lower Upper

180 100

182 94.2 78.6 117.8

145 35.2 29.0 43.6

