

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111723\
 Data File : VU056442.D
 Acq On : 17 Nov 2023 15:14
 Operator : MD/SY
 Sample : 05389-15MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 23:21:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 17 23:14:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	272892	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	267046	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	132261	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	88292	4.326	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.600%
7) Chloroethane-d5	1.911	69	75541	4.827	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.560	65	40117	4.453	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.000%
20) 2-Butanone-d5	4.624	46	239204	58.772	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.540%
24) Chloroform-d	5.055	84	204174	5.171	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.400%
26) 1,2-Dichloroethane-d4	5.695	65	96210	5.274	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.400%
32) Benzene-d6	5.721	84	379643	4.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.685	67	117903	4.917	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.894	98	333325	4.744	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	8.174	79	42652	4.638	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.627	63	212217	58.719	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.440%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	92053	5.372	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	122819	5.027	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	111692	5.166	ug/L	97
3) Chloromethane	1.515	50	110502	5.001	ug/L	97
5) Vinyl chloride	1.602	62	108660	5.104	ug/L	99
6) Bromomethane	1.856	94	58614	5.440	ug/L	98
8) Chloroethane	1.930	64	65951	5.071	ug/L	97
9) Trichlorofluoromethane	2.132	101	154565	5.038	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	95387	5.237	ug/L	99
12) 1,1-Dichloroethene	2.576	96	86768	5.194	ug/L	91
13) Acetone	2.634	43	122814	35.429	ug/L	100
14) Carbon disulfide	2.788	76	256368	4.716	ug/L	99
15) Methyl Acetate	2.949	43	24333	3.944	ug/L	94
16) Methylene chloride	3.042	84	98275	4.445	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	219097	5.398	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	88794	5.166	ug/L	96
19) 1,1-Dichloroethane	3.862	63	178422	5.240	ug/L	99
21) 2-Butanone	4.705	43	212489	47.240	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	102698	5.269	ug/L	95
23) Bromochloromethane	4.968	128	44909	5.597	ug/L	96
25) Chloroform	5.081	83	193360	5.242	ug/L	98

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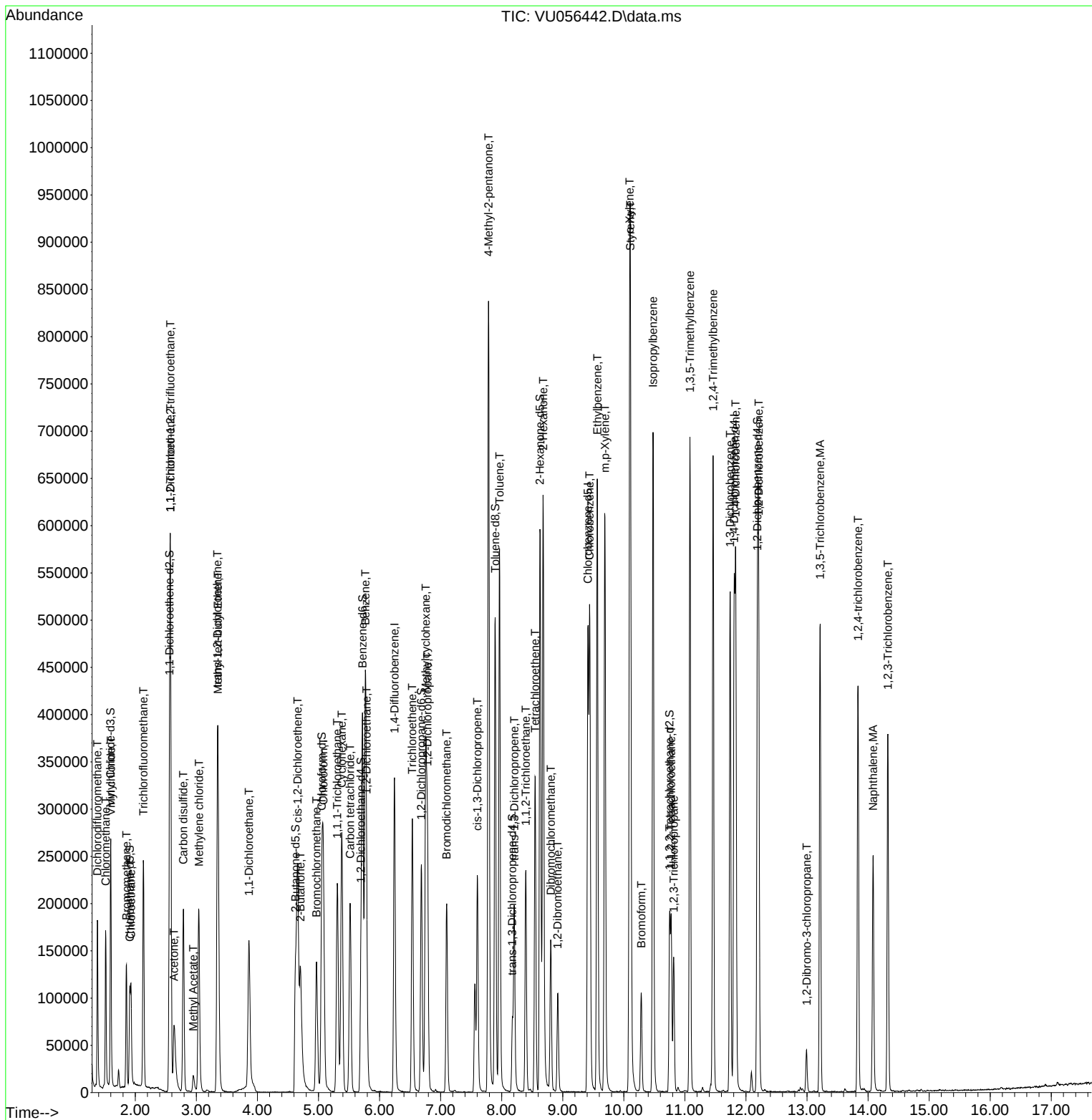
Instrument :
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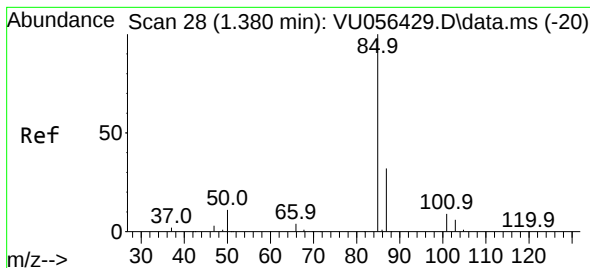
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	113544	5.421	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	164830	5.377	ug/L	99
30) Cyclohexane	5.383	56	141704	4.871	ug/L	100
31) Carbon tetrachloride	5.518	117	142047	5.395	ug/L	99
33) Benzene	5.769	78	399056	5.237	ug/L	100
34) Trichloroethene	6.537	95	105871	5.100	ug/L	98
35) Methylcyclohexane	6.759	83	144412	4.818	ug/L	99
37) 1,2-Dichloropropane	6.785	63	103640	5.216	ug/L	100
38) Bromodichloromethane	7.100	83	134465	5.242	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	141615	4.850	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	532251	54.035	ug/L	98
42) Toluene	7.965	91	423686	5.371	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	114314	4.911	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	70923	5.359	ug/L	97
47) Tetrachloroethene	8.550	164	72375	5.170	ug/L	97
48) 2-Hexanone	8.679	43	393196	51.239	ug/L	99
49) Dibromochloromethane	8.804	129	82371	5.473	ug/L	97
50) 1,2-Dibromoethane	8.917	107	66473	5.321	ug/L #	98
51) Chlorobenzene	9.441	112	267994	5.287	ug/L	99
52) Ethylbenzene	9.566	91	475024	5.423	ug/L	99
53) m,p-Xylene	9.692	106	178492	5.543	ug/L	100
54) o-Xylene	10.097	106	172231	5.506	ug/L	98
55) Styrene	10.110	104	296076	5.690	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	88490	5.476	ug/L	97
59) Bromoform	10.286	173	47092	5.716	ug/L	99
60) Isopropylbenzene	10.479	105	467648	5.483	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	61443	5.414	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	374922	5.353	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	374269	5.414	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	216901	5.590	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	211745	5.441	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	195633	5.496	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	11808	4.871	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	148717	5.091	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	126350	5.310	ug/L	99
71) Naphthalene	14.084	128	199401	5.547	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	109505	5.587	ug/L	98

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

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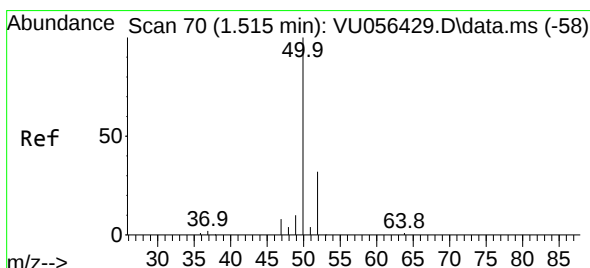
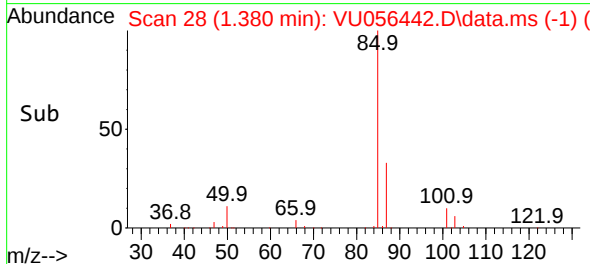
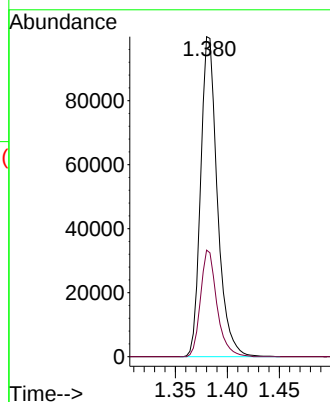
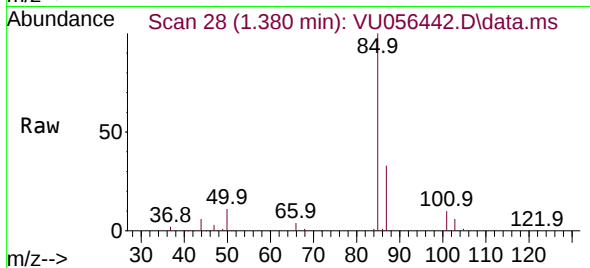




#2
Dichlorodifluoromethane
Concen: 5.166 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

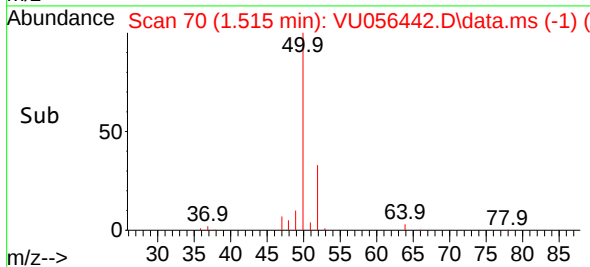
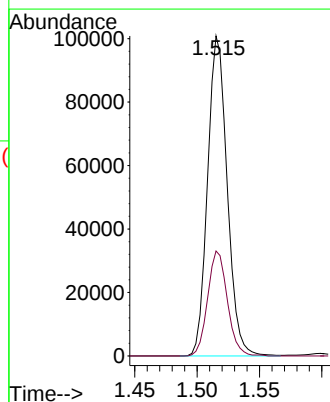
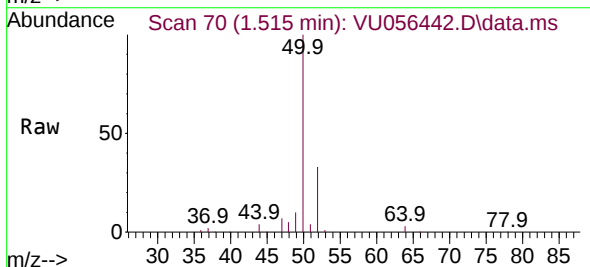
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MSVOA_U
ClientSampleId :

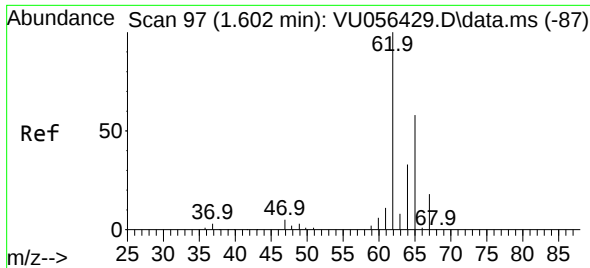
Tgt Ion: 85 Resp: 111692
Ion Ratio Lower Upper
85 100
87 32.6 25.0 37.4



#3
Chloromethane
Concen: 5.001 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

Tgt Ion: 50 Resp: 110502
Ion Ratio Lower Upper
50 100
52 32.8 24.3 45.1

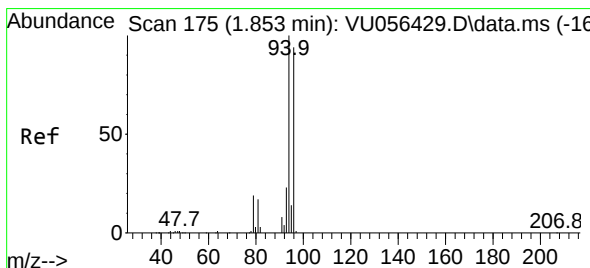
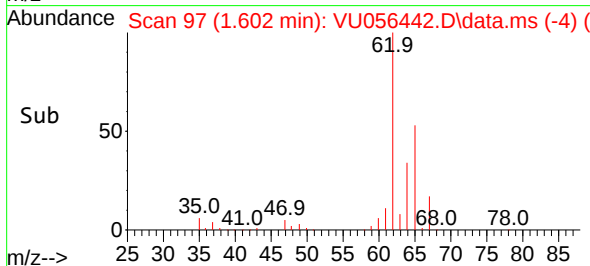
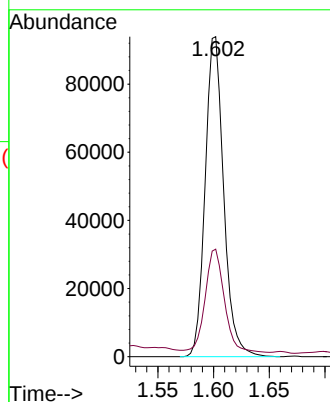
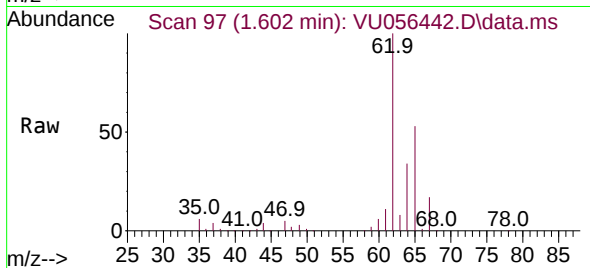




#5
 Vinyl chloride
 Concen: 5.104 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056442.D
 Acq: 17 Nov 2023 15:14

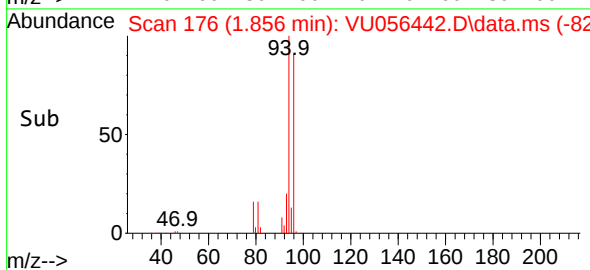
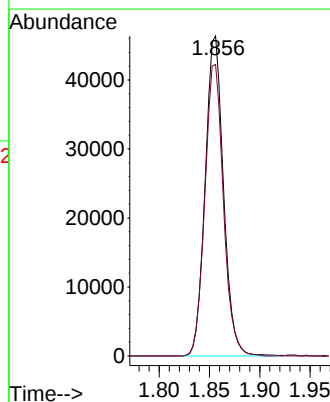
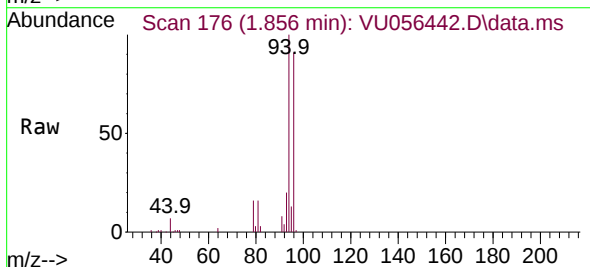
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 ClientSampleId :

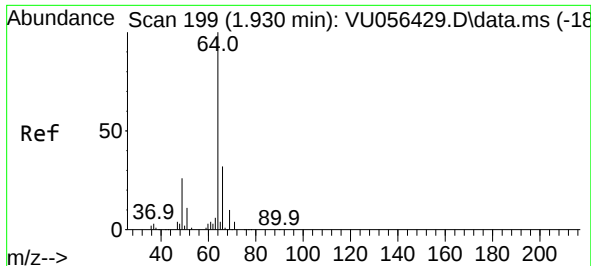
Tgt Ion: 62 Resp: 108660
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.3 43.3



#6
 Bromomethane
 Concen: 5.440 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.003 min
 Lab File: VU056442.D
 Acq: 17 Nov 2023 15:14

Tgt Ion: 94 Resp: 58614
 Ion Ratio Lower Upper
 94 100
 96 91.1 62.6 116.2





#8

Chloroethane

Concen: 5.071 ug/L

RT: 1.930 min Scan# 199

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

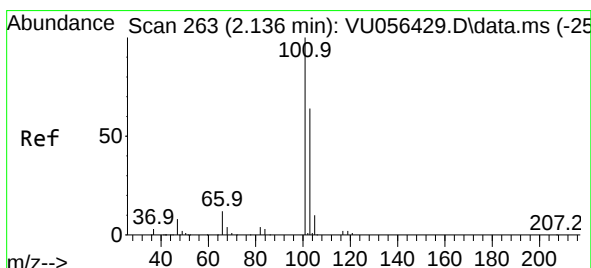
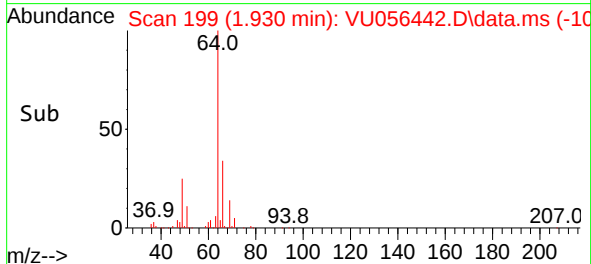
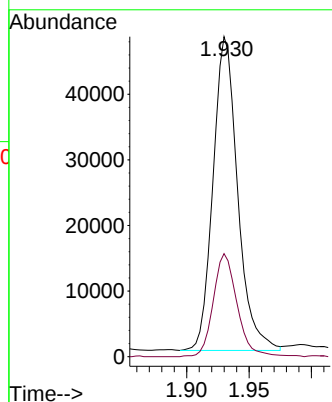
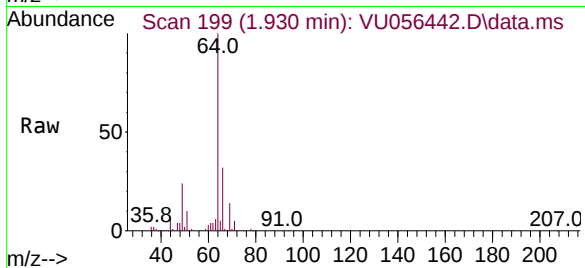
ClientSampleId :

Tgt Ion: 64 Resp: 65951

Ion Ratio Lower Upper

64 100

66 32.2 23.9 44.5



#9

Trichlorofluoromethane

Concen: 5.038 ug/L

RT: 2.132 min Scan# 262

Delta R.T. -0.003 min

Lab File: VU056442.D

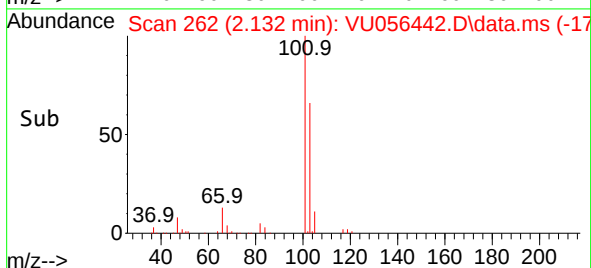
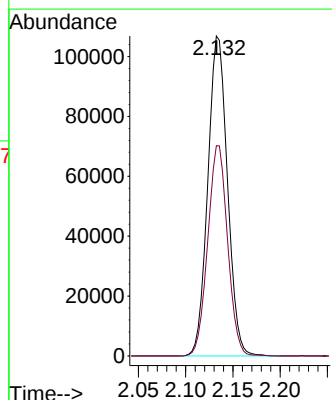
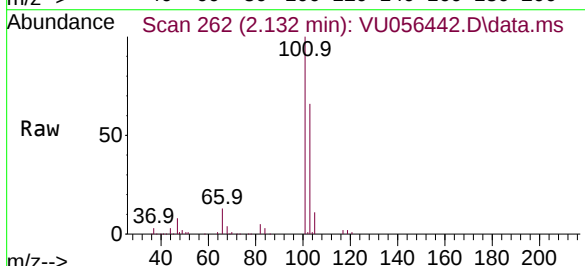
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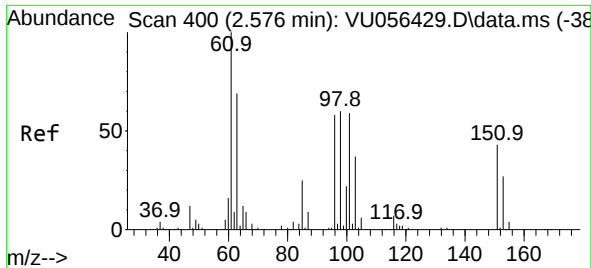
Tgt Ion: 101 Resp: 154565

Ion Ratio Lower Upper

101 100

103 66.4 52.0 78.0

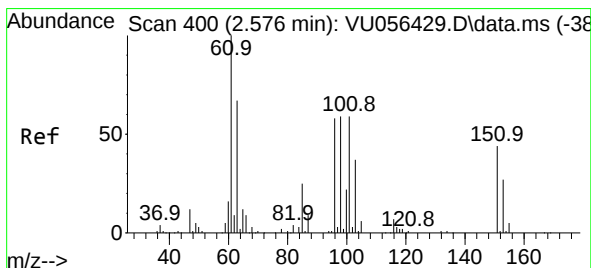
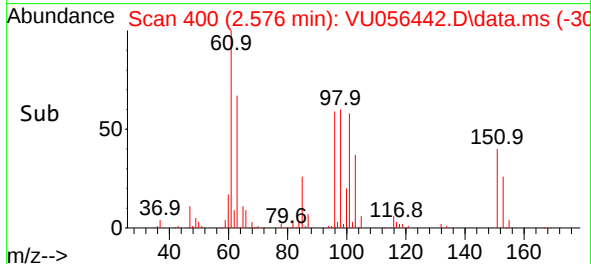
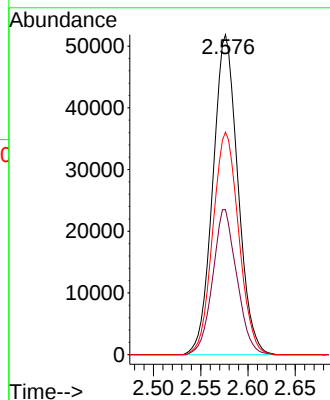
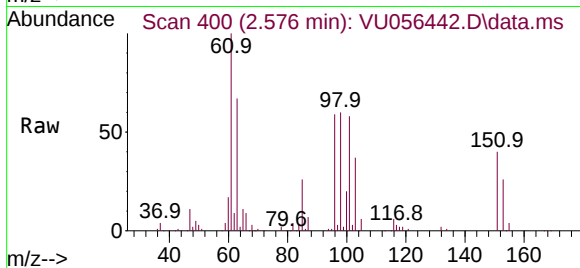




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.237 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056442.D
 Acq: 17 Nov 2023 15:14

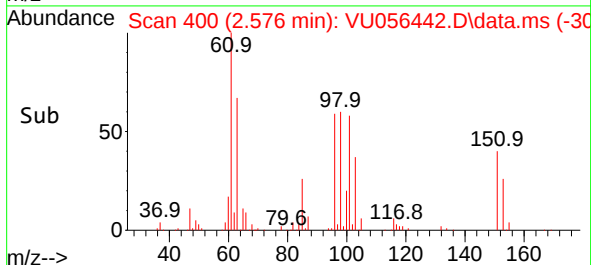
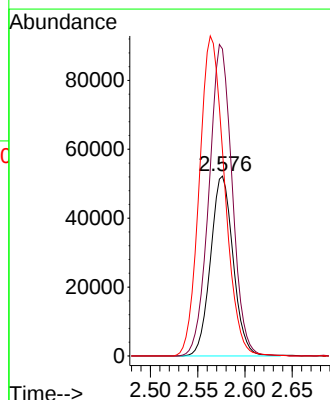
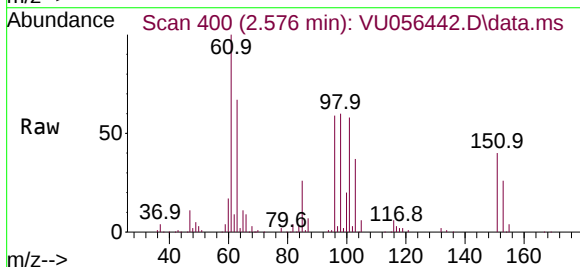
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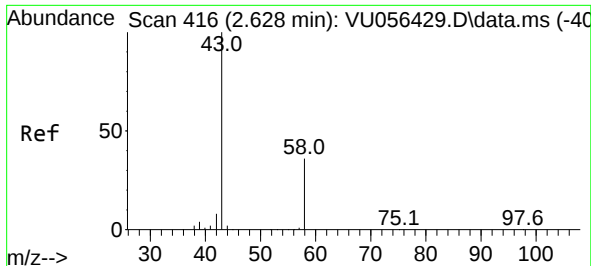
Tgt Ion: 101 Resp: 95387
 Ion Ratio Lower Upper
 101 100
 85 43.8 35.4 53.0
 151 71.9 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 5.194 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056442.D
 Acq: 17 Nov 2023 15:14

Tgt Ion: 96 Resp: 86768
 Ion Ratio Lower Upper
 96 100
 61 170.8 123.1 228.7
 63 114.4 93.3 173.3





#13

Acetone

Concen: 35.429 ug/L

RT: 2.634 min Scan# 416

Delta R.T. 0.006 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

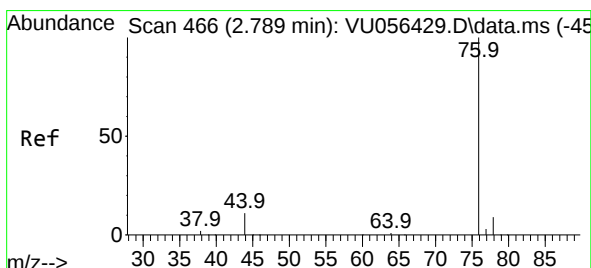
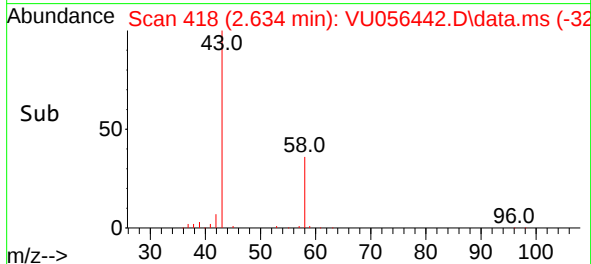
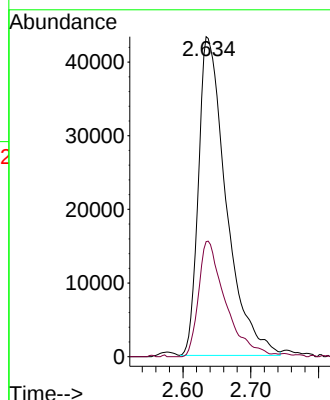
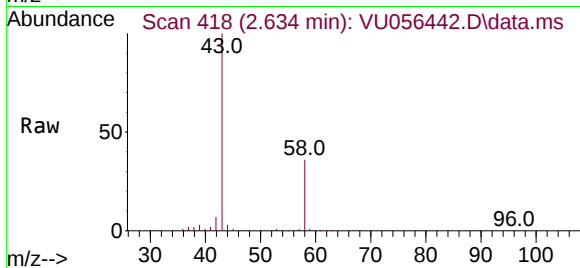
ClientSampleId :

Tgt Ion: 43 Resp: 122814

Ion Ratio Lower Upper

43 100

58 35.2 0.0 70.0



#14

Carbon disulfide

Concen: 4.716 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056442.D

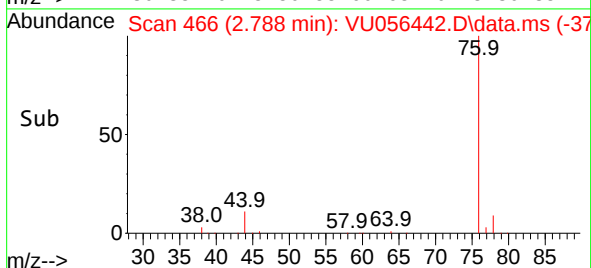
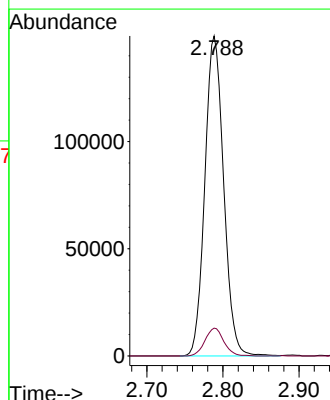
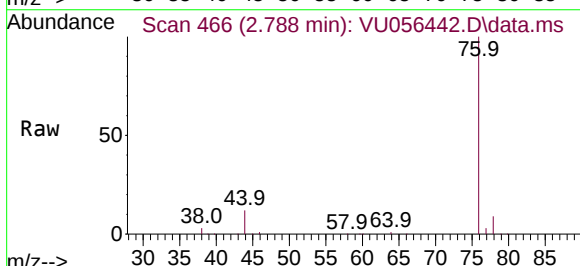
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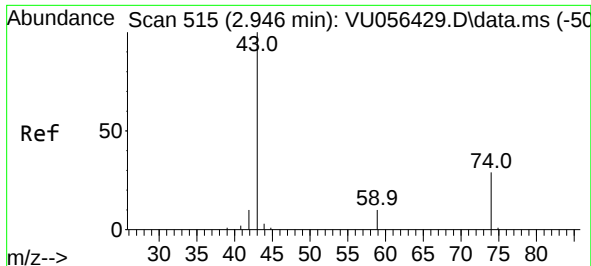
Tgt Ion: 76 Resp: 256368

Ion Ratio Lower Upper

76 100

78 8.7 6.8 10.2

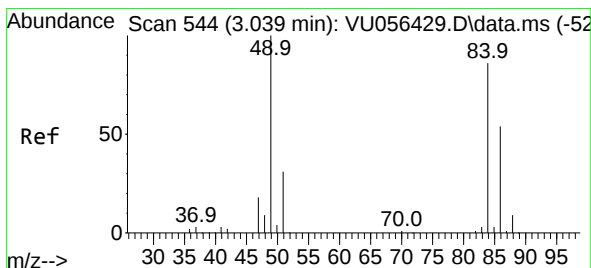
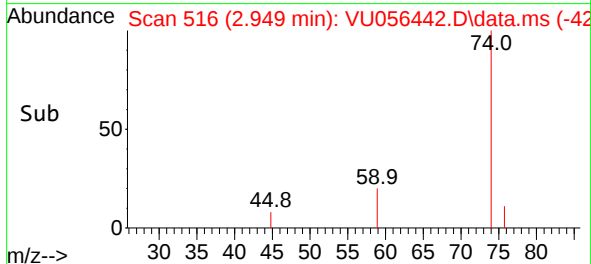
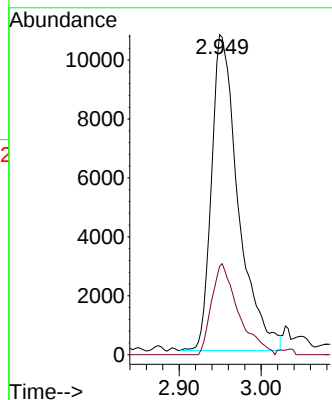
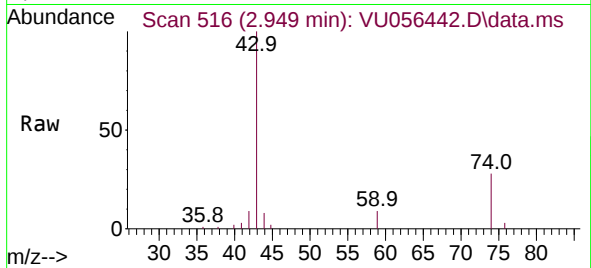




#15
Methyl Acetate
Concen: 3.944 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.003 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

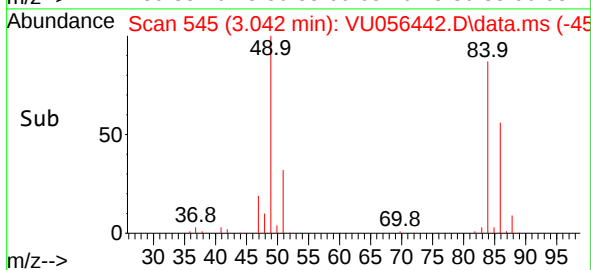
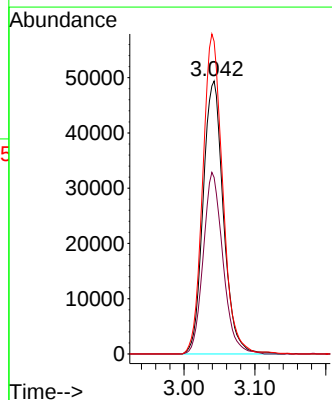
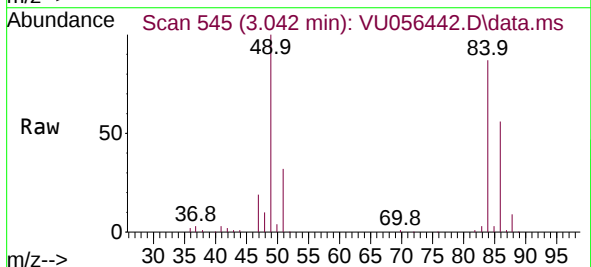
Instrument :
MSVOA_U
ClientSampleId :

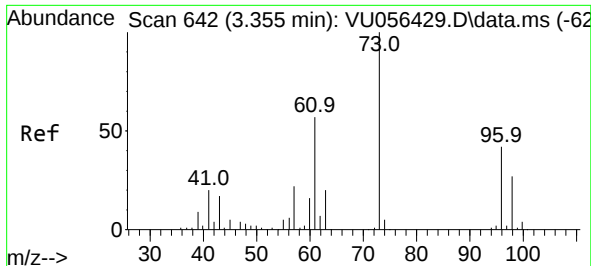
Tgt Ion: 43 Resp: 24333
Ion Ratio Lower Upper
43 100
74 28.7 20.6 31.0



#16
Methylene chloride
Concen: 4.445 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

Tgt Ion: 84 Resp: 98275
Ion Ratio Lower Upper
84 100
86 64.7 44.7 83.1
49 114.5 81.8 152.0





#17

Methyl tert-butyl Ether

Concen: 5.398 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

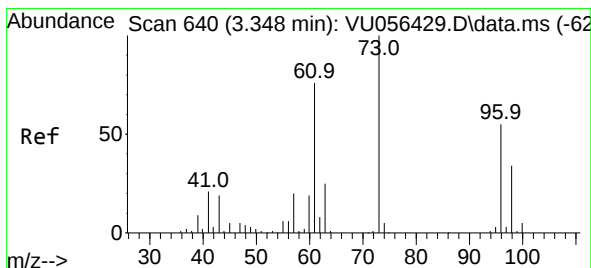
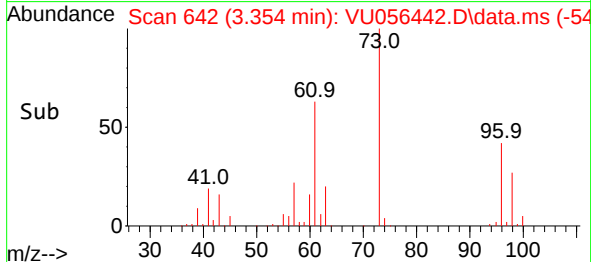
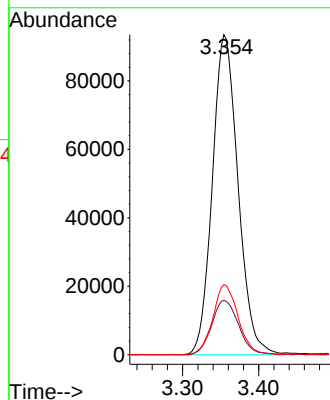
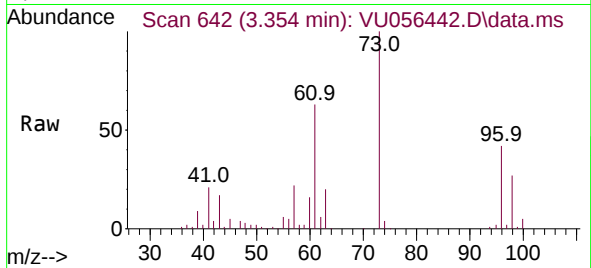
Tgt Ion: 73 Resp: 219097

Ion Ratio Lower Upper

73 100

43 17.9 15.1 22.7

57 21.5 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 5.166 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

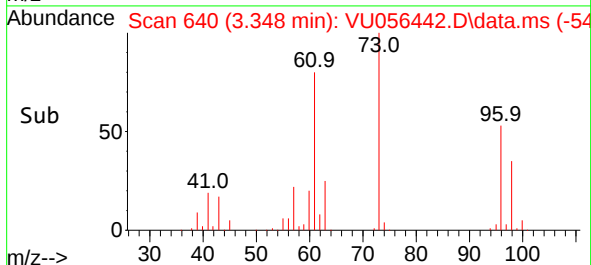
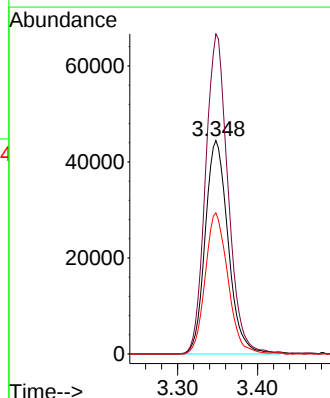
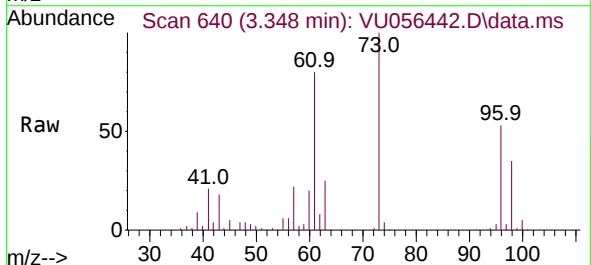
Tgt Ion: 96 Resp: 88794

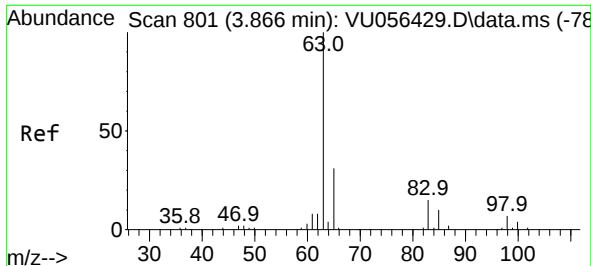
Ion Ratio Lower Upper

96 100

61 149.9 101.7 188.9

98 66.1 43.0 80.0

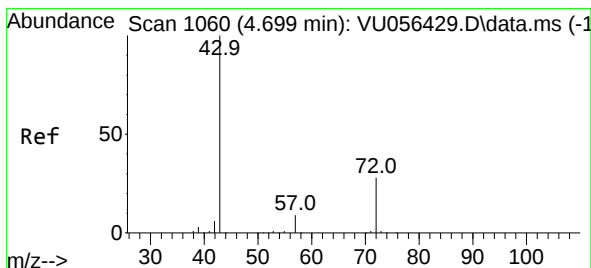
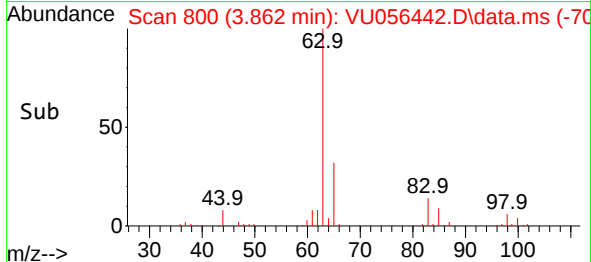
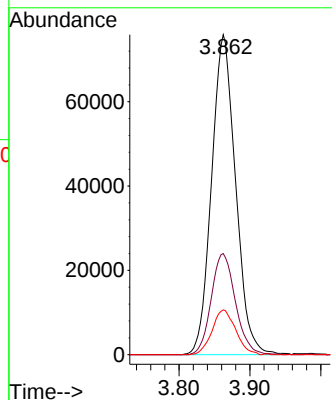
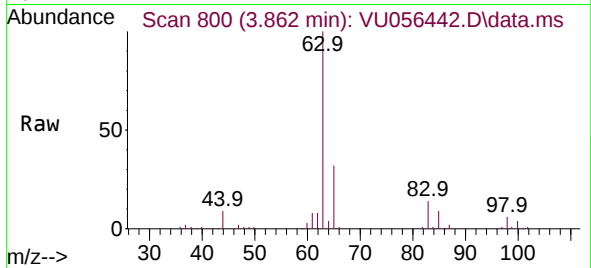




#19
1,1-Dichloroethane
Concen: 5.240 ug/L
RT: 3.862 min Scan# 801
Delta R.T. -0.003 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

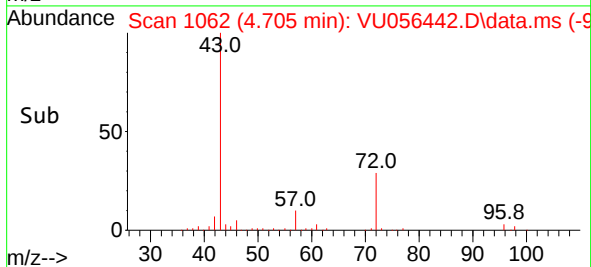
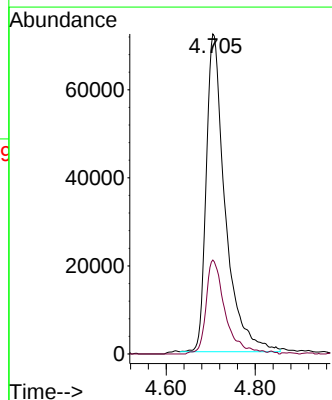
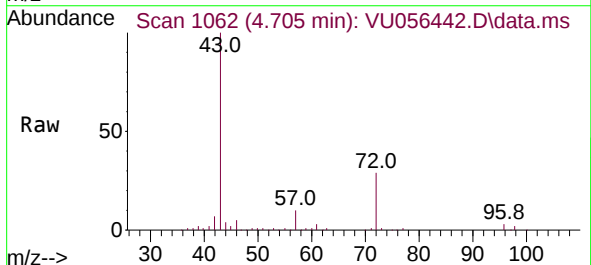
Instrument :
MSVOA_U
ClientSampleId :

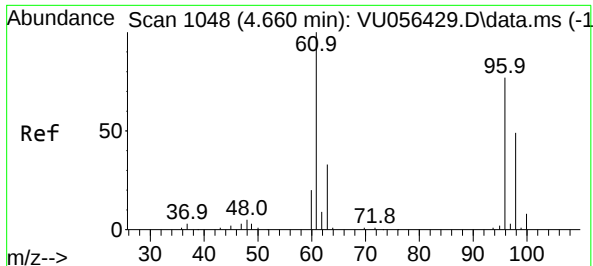
Tgt Ion: 63 Resp: 178422
Ion Ratio Lower Upper
63 100
65 31.6 21.8 40.6
83 14.0 9.7 17.9



#21
2-Butanone
Concen: 47.240 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. 0.006 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

Tgt Ion: 43 Resp: 212489
Ion Ratio Lower Upper
43 100
72 28.8 14.2 42.6





#22

cis-1,2-Dichloroethene

Concen: 5.269 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

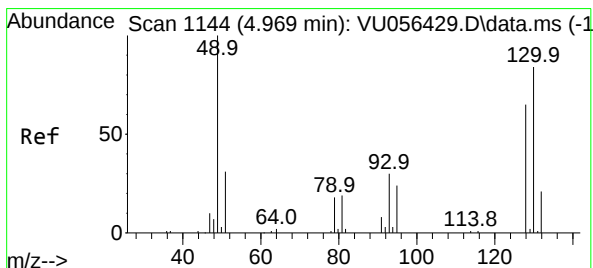
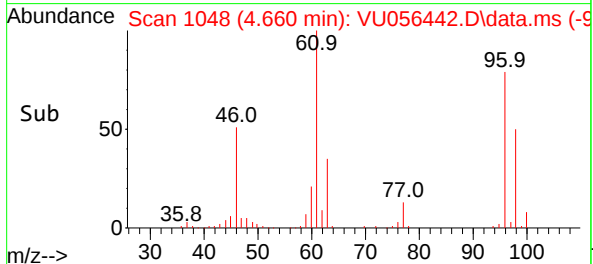
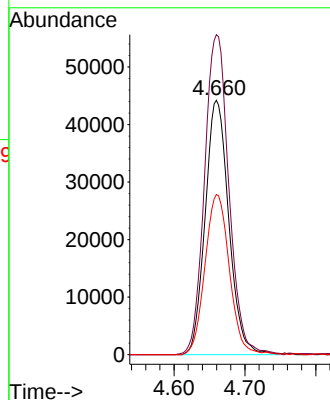
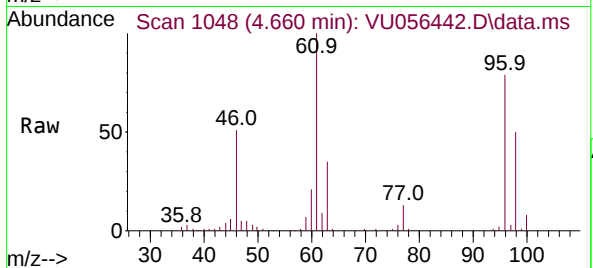
Tgt Ion: 96 Resp: 102698

Ion Ratio Lower Upper

96 100

61 125.8 93.2 173.2

98 62.9 44.8 83.2



#23

Bromochloromethane

Concen: 5.597 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Tgt Ion: 128 Resp: 44909

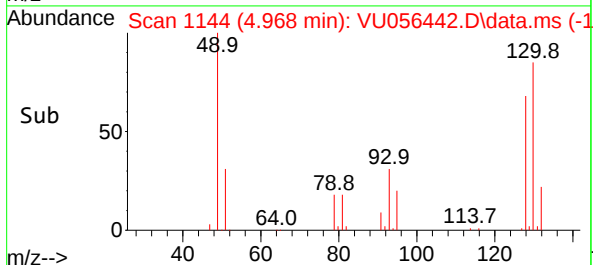
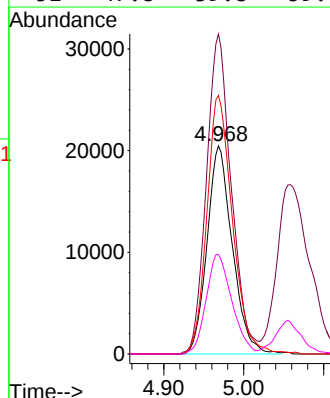
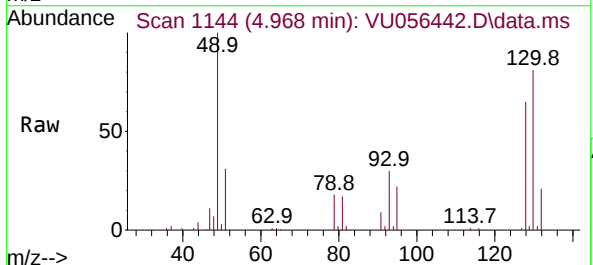
Ion Ratio Lower Upper

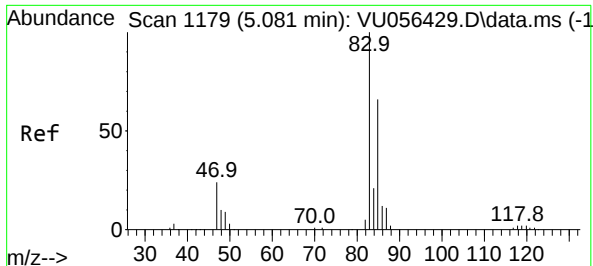
128 100

49 153.7 113.4 210.6

130 124.2 84.8 157.6

51 47.8 39.8 59.6





#25

Chloroform

Concen: 5.242 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

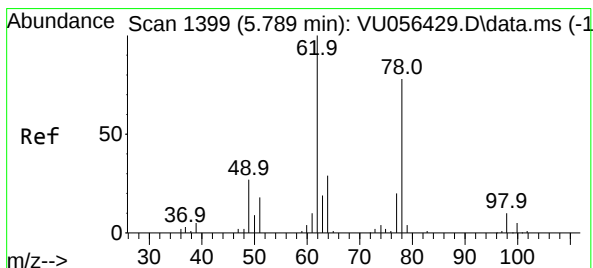
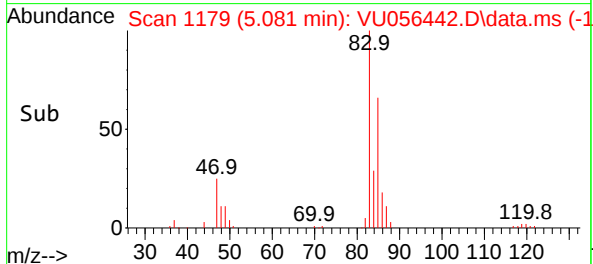
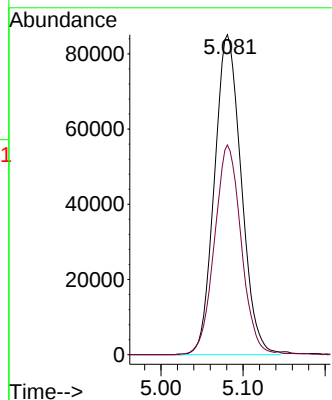
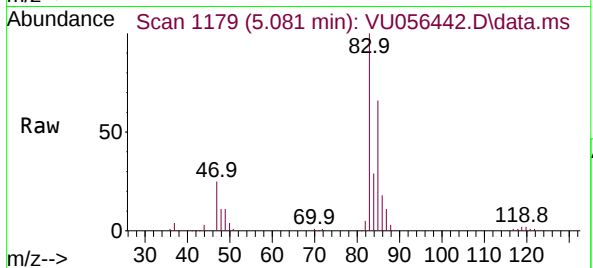
ClientSampleId :

Tgt Ion: 83 Resp: 193360

Ion Ratio Lower Upper

83 100

85 65.6 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.421 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056442.D

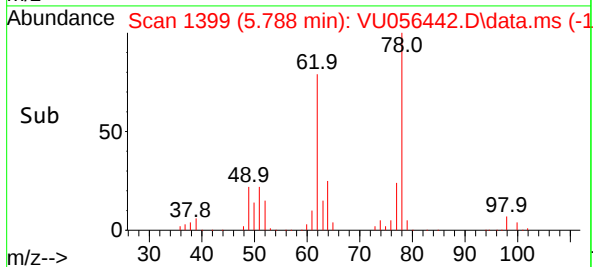
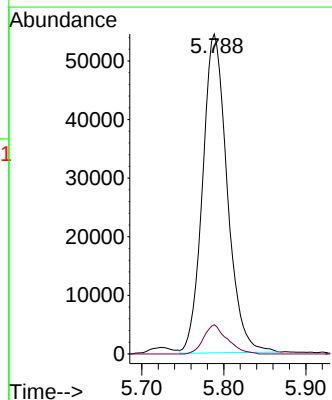
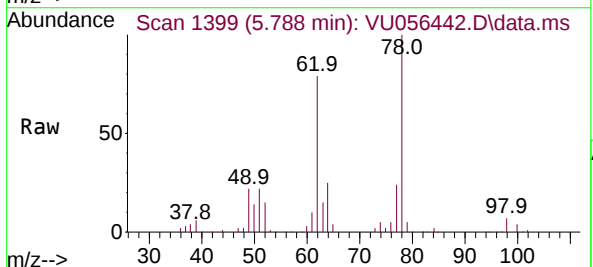
Acq: 17 Nov 2023 15:14

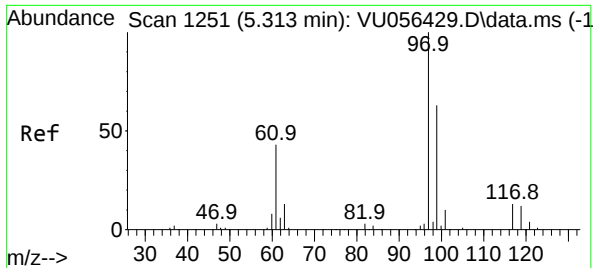
Tgt Ion: 62 Resp: 113544

Ion Ratio Lower Upper

62 100

98 9.1 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.377 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

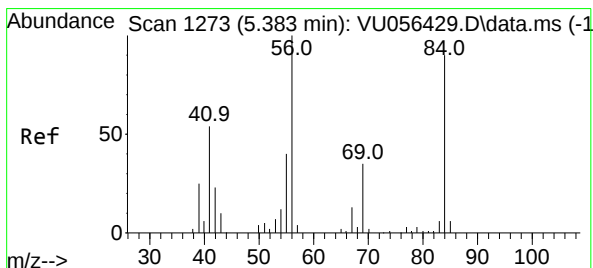
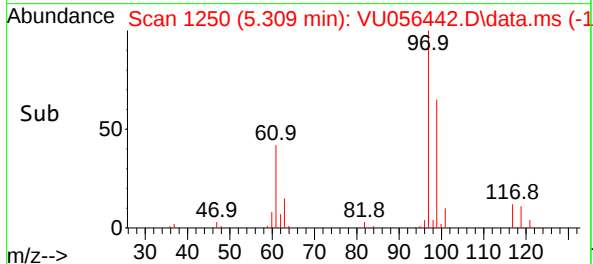
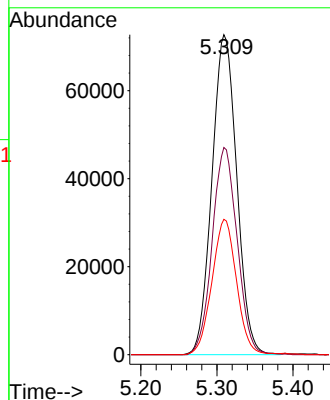
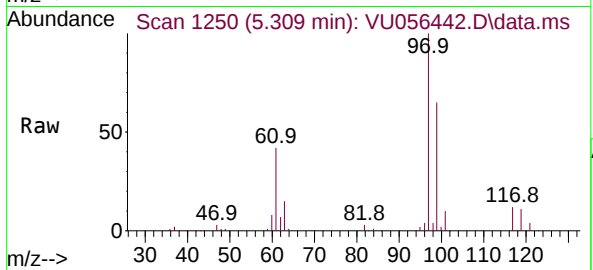
Tgt Ion: 97 Resp: 164830

Ion Ratio Lower Upper

97 100

99 65.2 51.6 77.4

61 42.0 34.3 51.5



#30

Cyclohexane

Concen: 4.871 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

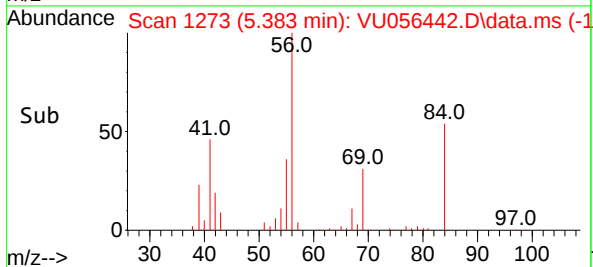
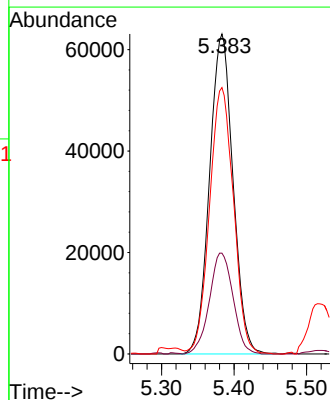
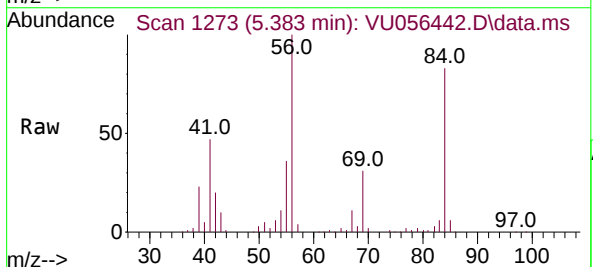
Tgt Ion: 56 Resp: 141704

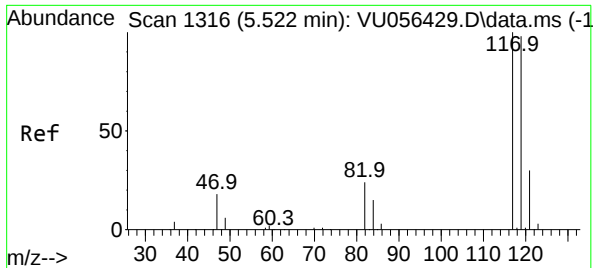
Ion Ratio Lower Upper

56 100

69 31.8 25.4 38.2

84 85.2 68.6 103.0

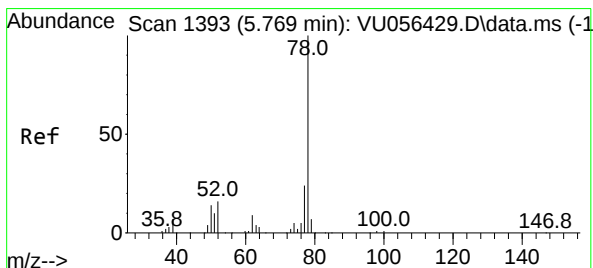
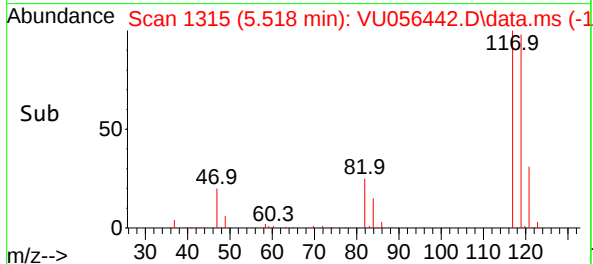
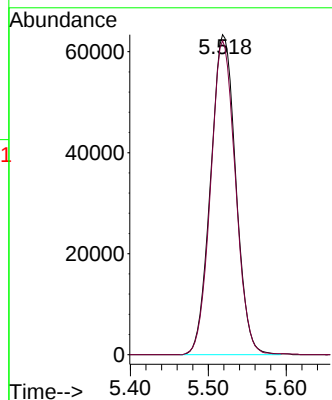
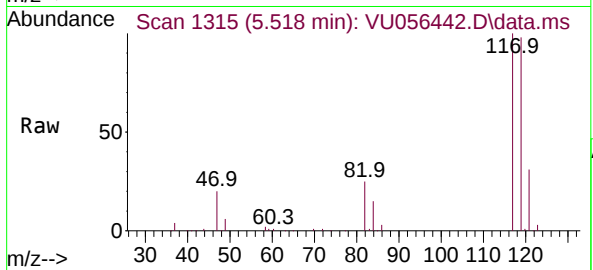




#31
Carbon tetrachloride
Concen: 5.395 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

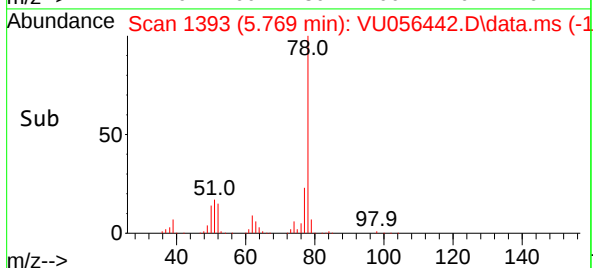
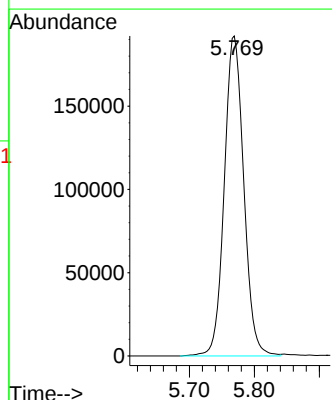
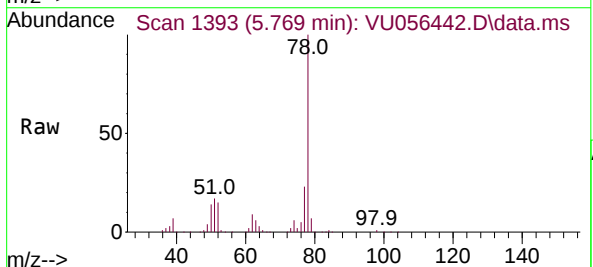
Instrument :
MSVOA_U
ClientSampleId :

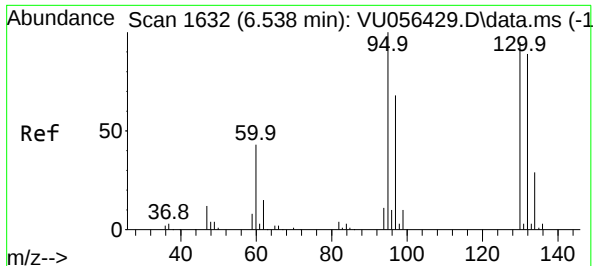
Tgt Ion:117 Resp: 142047
Ion Ratio Lower Upper
117 100
119 96.6 78.1 117.1



#33
Benzene
Concen: 5.237 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

Tgt Ion: 78 Resp: 399056

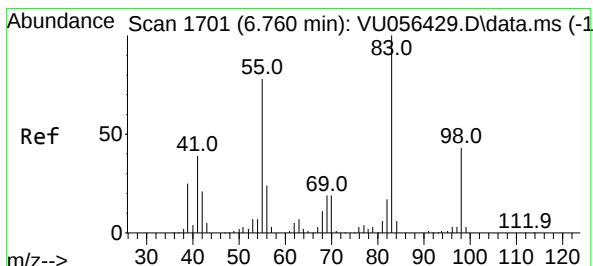
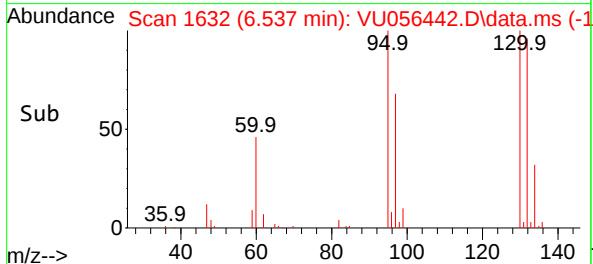
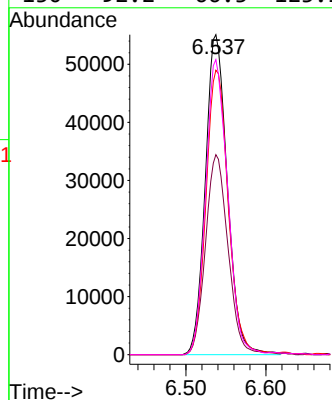
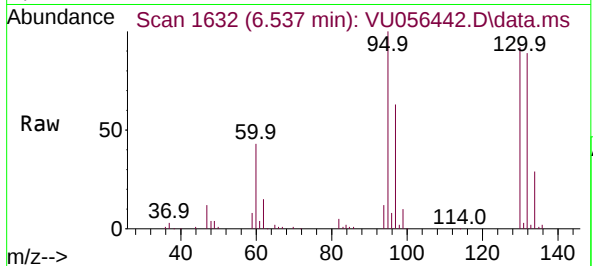




#34
Trichloroethene
Concen: 5.100 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

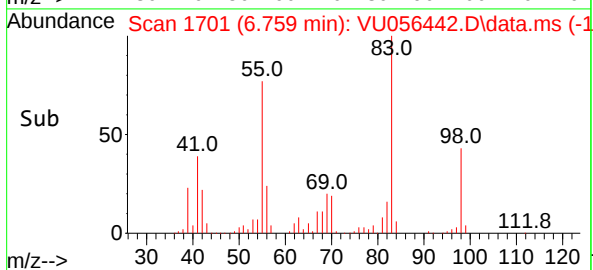
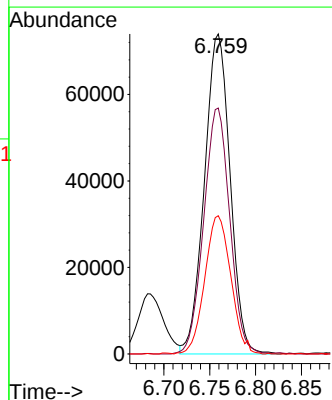
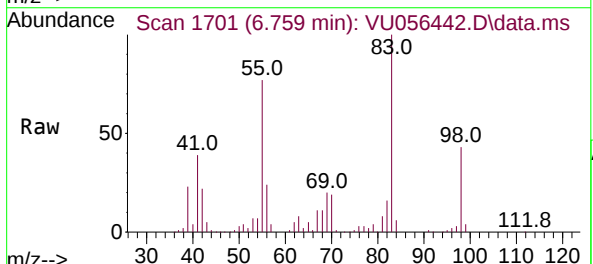
Instrument :
MSVOA_U
ClientSampleId :

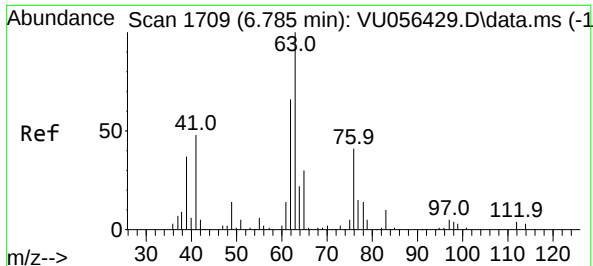
Tgt Ion: 95 Resp: 105871
Ion Ratio Lower Upper
95 100
97 62.5 46.5 86.3
132 88.9 62.0 115.2
130 92.2 66.3 123.1



#35
Methylcyclohexane
Concen: 4.818 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

Tgt Ion: 83 Resp: 144412
Ion Ratio Lower Upper
83 100
55 77.8 62.9 94.3
98 43.7 35.3 52.9





#37

1,2-Dichloropropane

Concen: 5.216 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

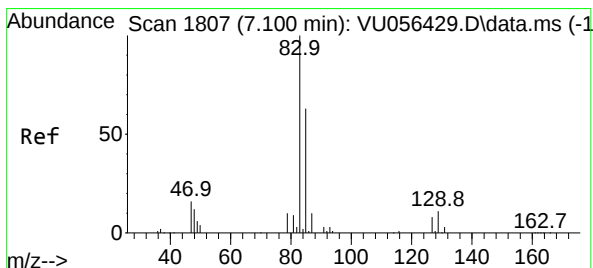
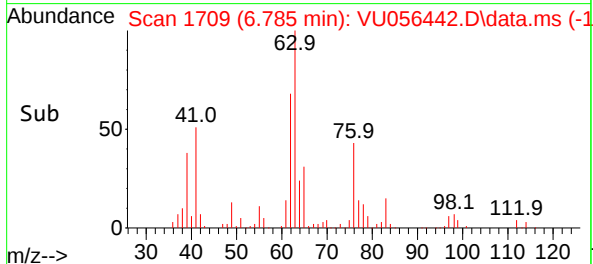
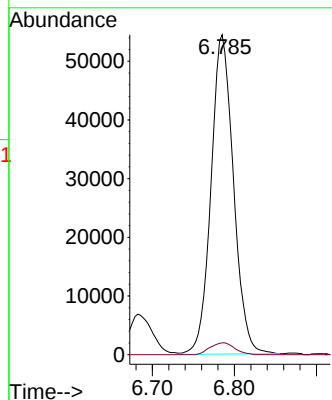
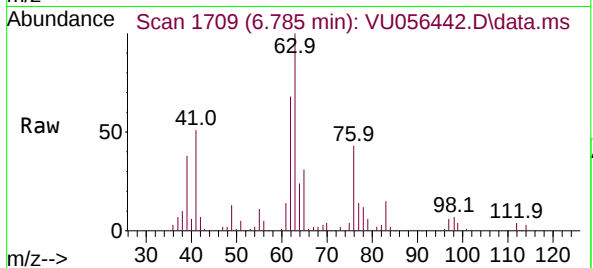
ClientSampleId :

Tgt Ion: 63 Resp: 103640

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



#38

Bromodichloromethane

Concen: 5.242 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

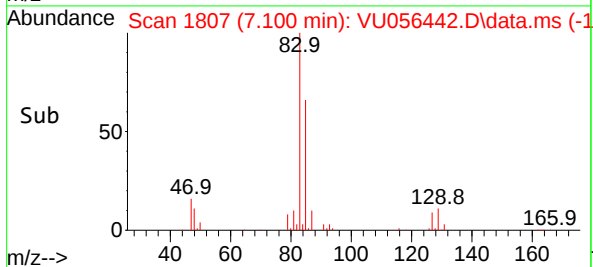
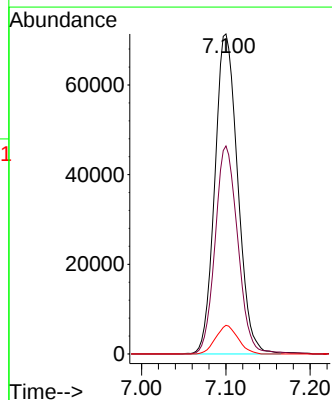
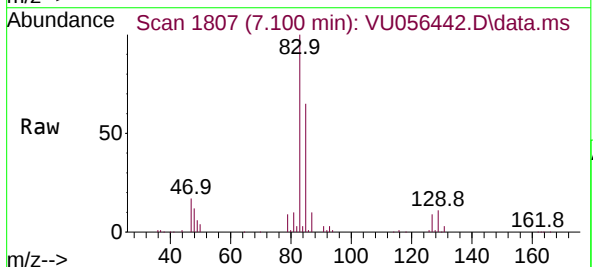
Tgt Ion: 83 Resp: 134465

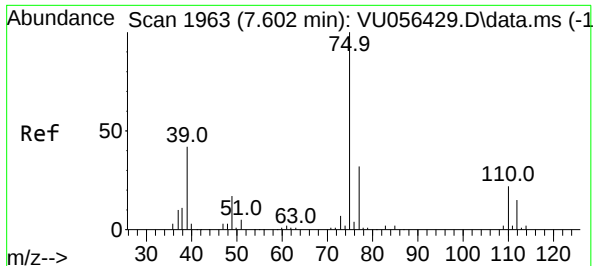
Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.5

127 8.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.850 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

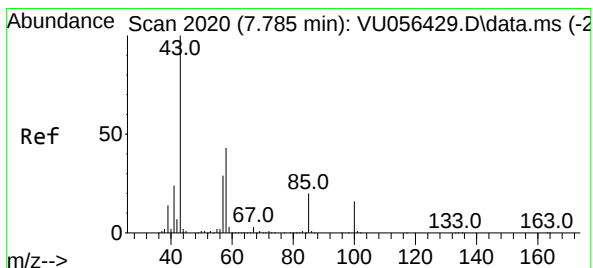
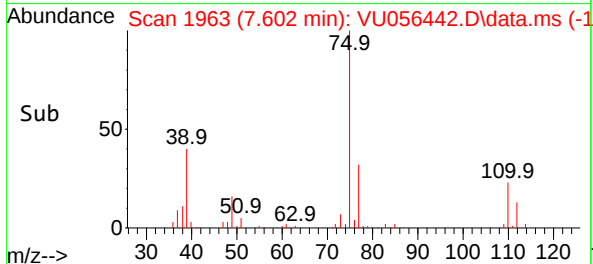
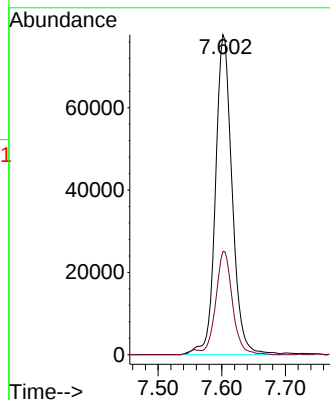
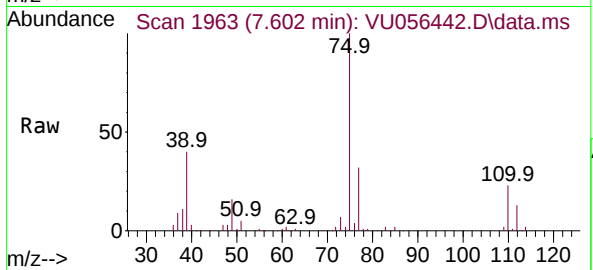
ClientSampleId :

Tgt Ion: 75 Resp: 141615

Ion Ratio Lower Upper

75 100

77 32.3 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 54.035 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

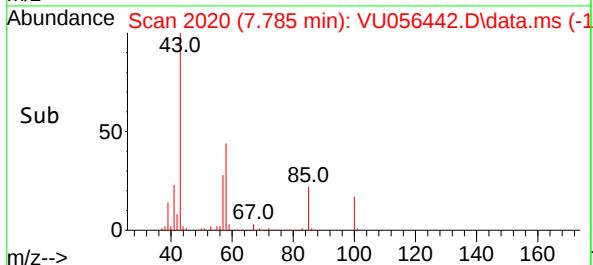
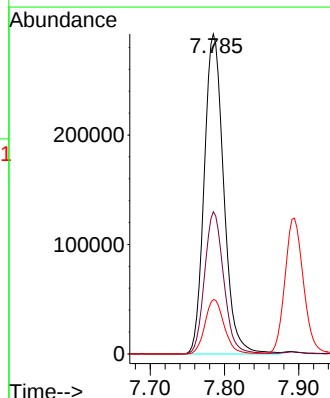
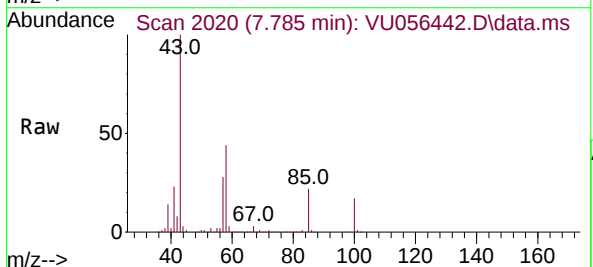
Tgt Ion: 43 Resp: 532251

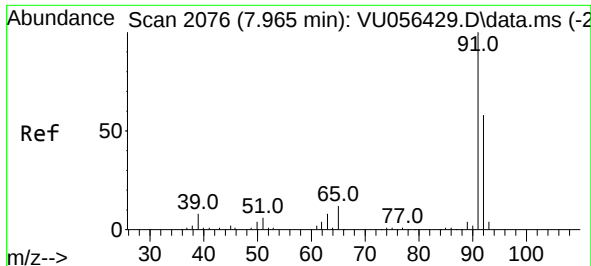
Ion Ratio Lower Upper

43 100

58 43.7 33.8 50.8

100 16.8 13.0 19.4





#42

Toluene

Concen: 5.371 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

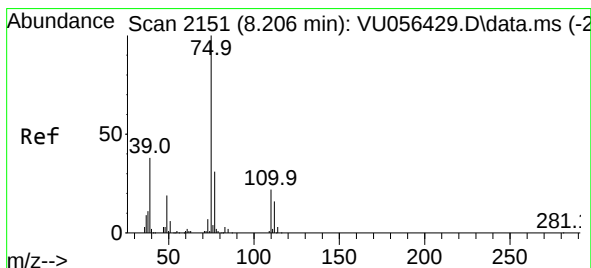
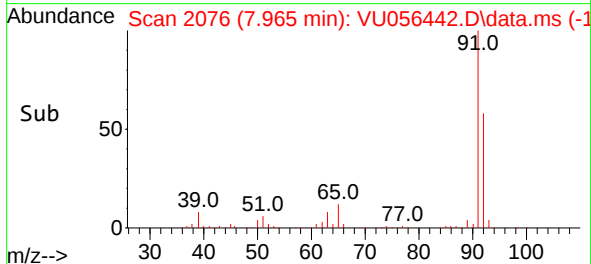
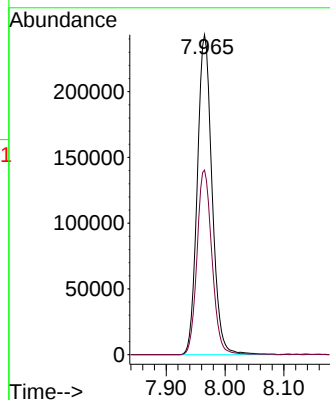
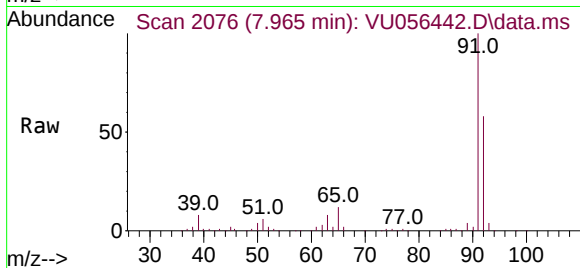
ClientSampleId :

Tgt Ion: 91 Resp: 423686

Ion Ratio Lower Upper

91 100

92 57.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.911 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056442.D

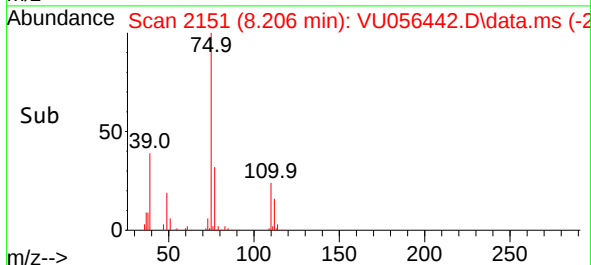
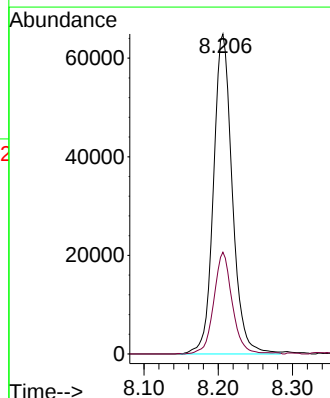
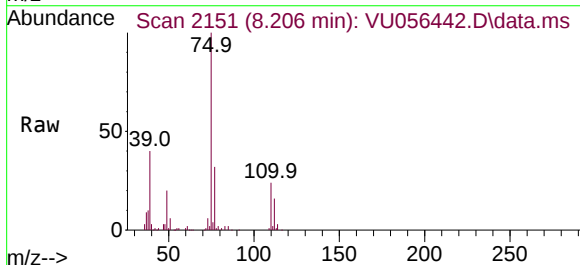
Acq: 17 Nov 2023 15:14

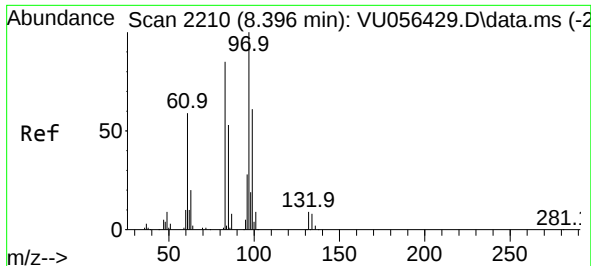
Tgt Ion: 75 Resp: 114314

Ion Ratio Lower Upper

75 100

77 31.8 22.8 42.4

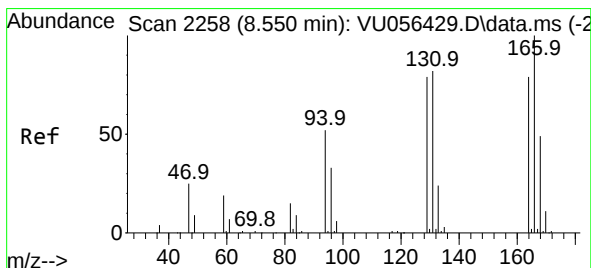
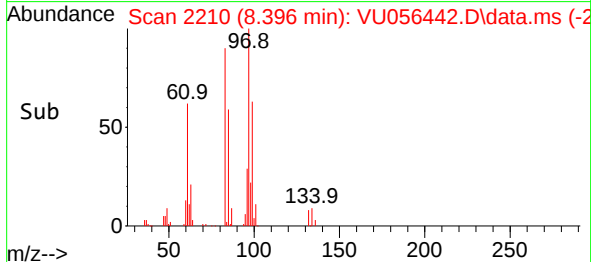
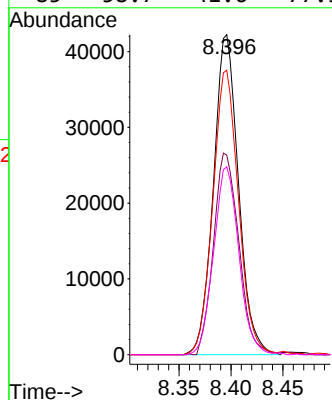
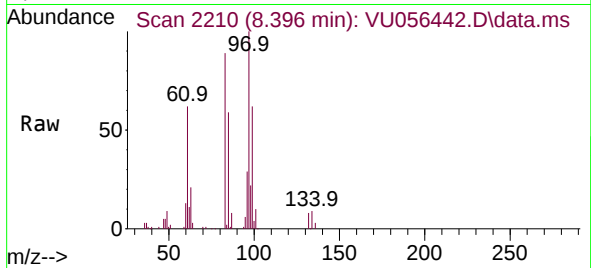




#45
1,1,2-Trichloroethane
Concen: 5.359 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

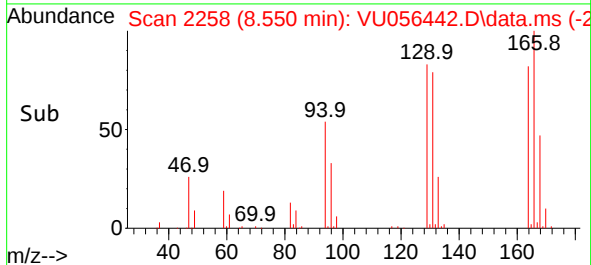
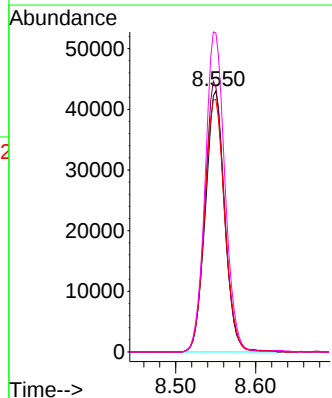
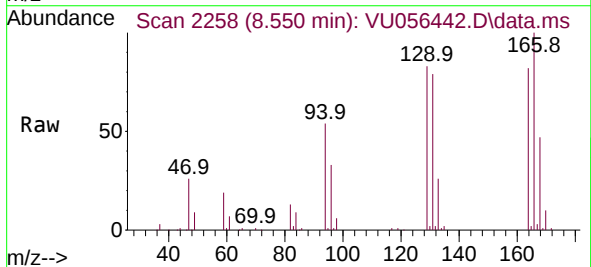
Instrument :
MSVOA_U
ClientSampleId :

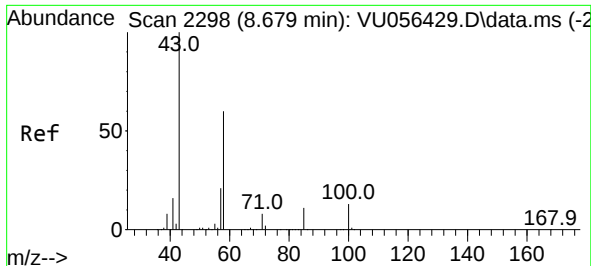
Tgt Ion:	97	Resp:	70923
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.3	82.3
83	88.9	65.4	121.4
85	58.7	41.6	77.3



#47
Tetrachloroethene
Concen: 5.170 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

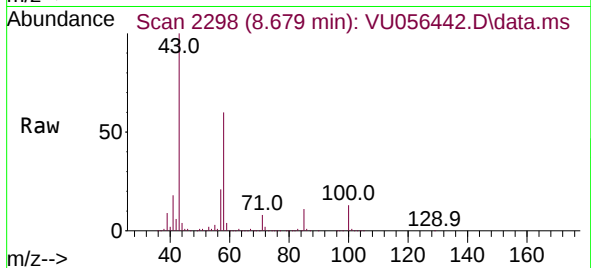
Tgt Ion:	164	Resp:	72375
Ion	Ratio	Lower	Upper
164	100		
129	101.6	71.0	131.9
131	96.7	70.3	130.7
166	122.2	89.8	166.8



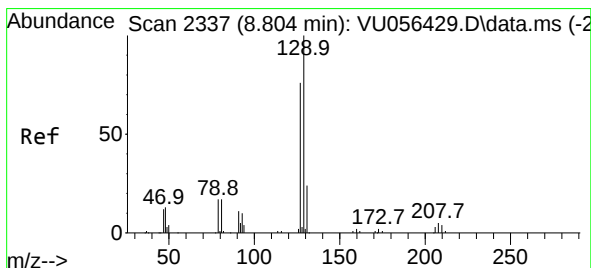
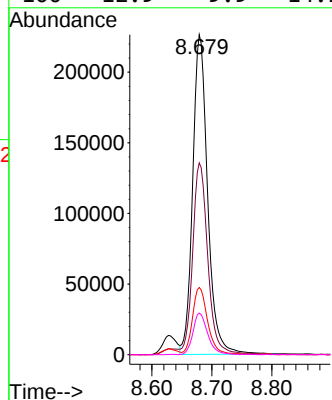
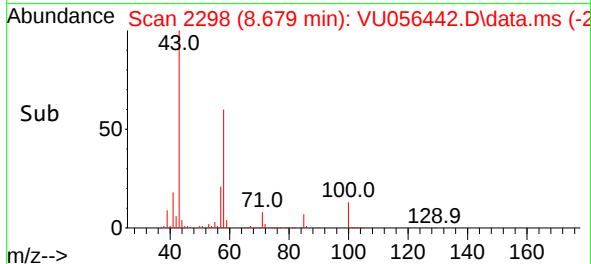


#48
2-Hexanone
Concen: 51.239 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

Instrument :
MSVOA_U
ClientSampleId :

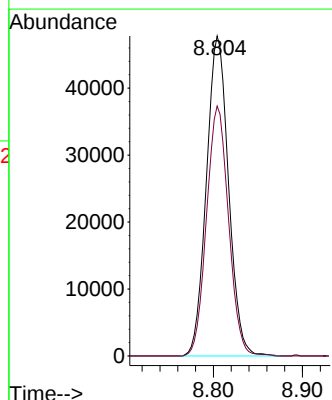
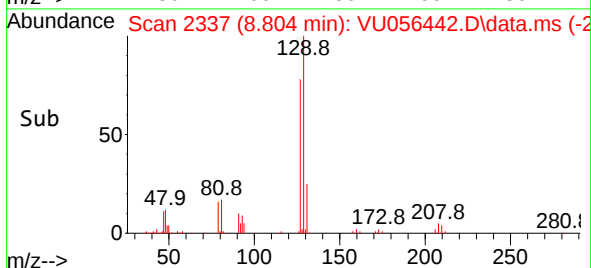
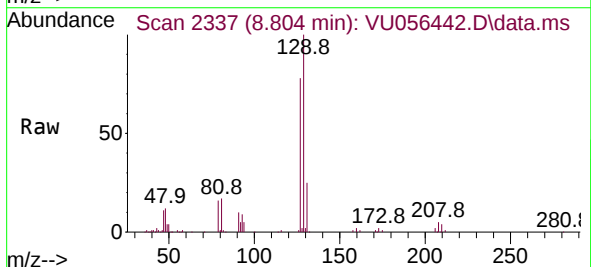


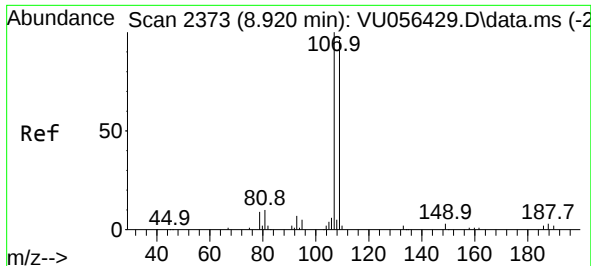
Tgt Ion: 43 Resp: 393196
Ion Ratio Lower Upper
43 100
58 60.5 48.7 73.1
57 21.2 16.8 25.2
100 12.9 9.9 14.9



#49
Dibromochloromethane
Concen: 5.473 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

Tgt Ion: 129 Resp: 82371
Ion Ratio Lower Upper
129 100
127 78.1 52.9 98.3





#50

1,2-Dibromoethane

Concen: 5.321 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.004 min

Lab File: VU056442.D

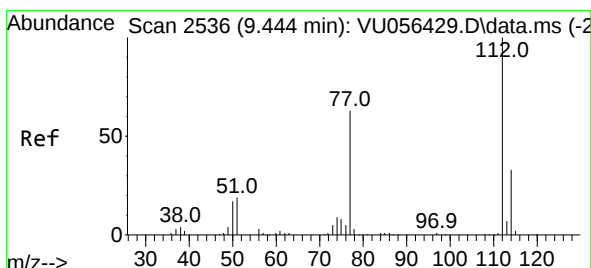
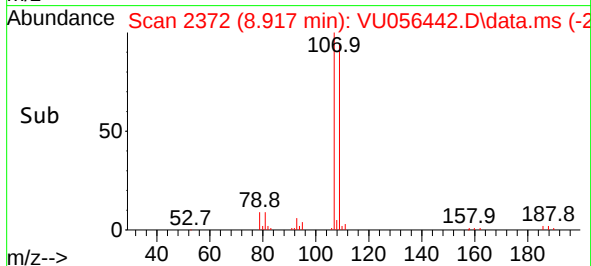
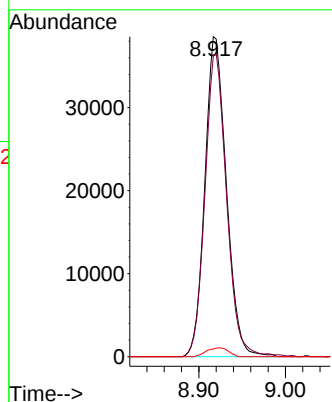
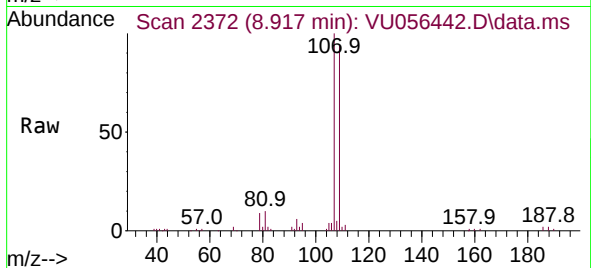
Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	66473
Ion	Ratio	Lower	Upper
107	100		
109	93.9	64.2	119.2
188	2.4	2.6	4.0#



#51

Chlorobenzene

Concen: 5.287 ug/L

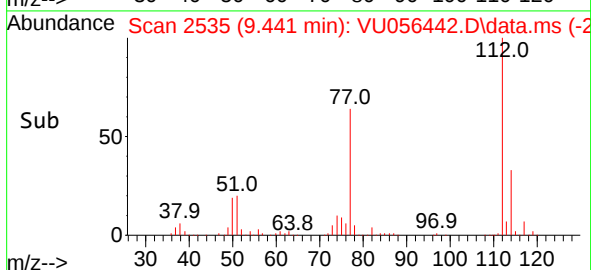
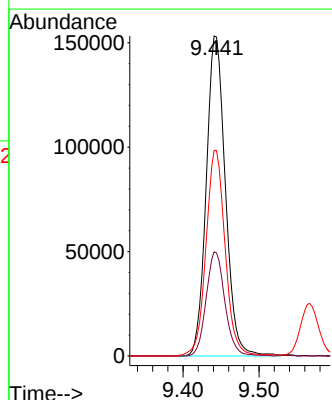
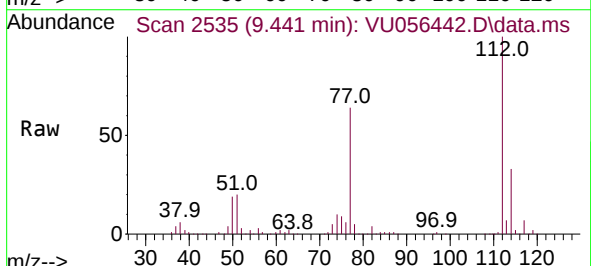
RT: 9.441 min Scan# 2535

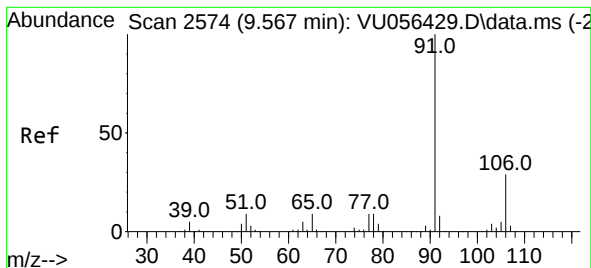
Delta R.T. -0.003 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Tgt Ion:	112	Resp:	267994
Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.5	41.7
77	64.2	51.7	77.5





#52

Ethylbenzene

Concen: 5.423 ug/L

RT: 9.566 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

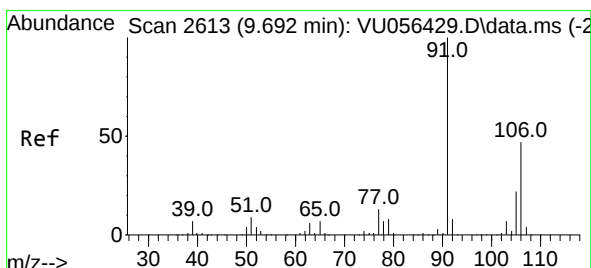
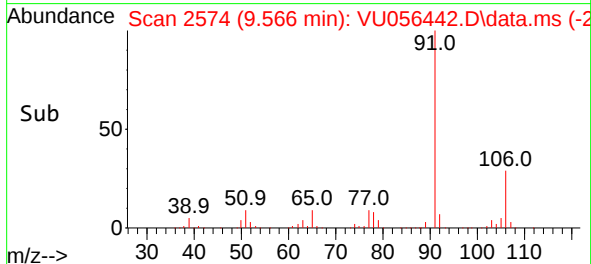
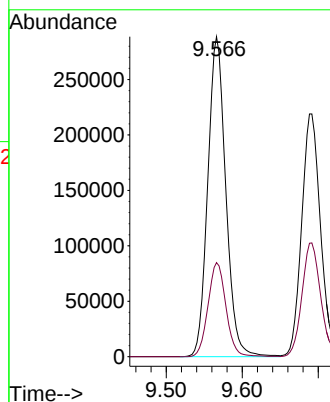
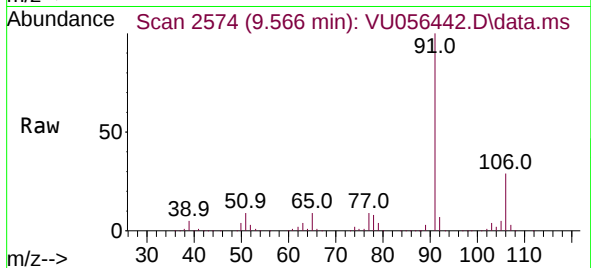
ClientSampleId :

Tgt Ion: 91 Resp: 475024

Ion Ratio Lower Upper

91 100

106 29.4 21.1 39.1



#53

m,p-Xylene

Concen: 5.543 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. -0.000 min

Lab File: VU056442.D

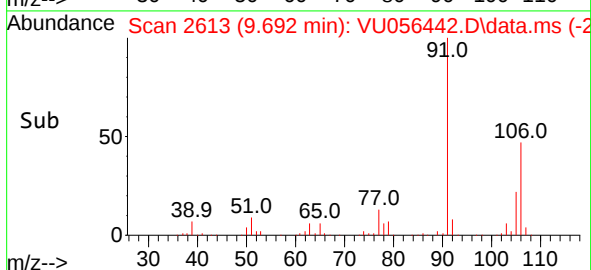
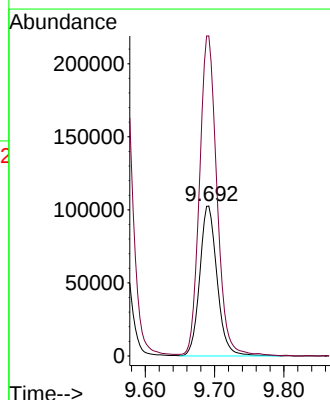
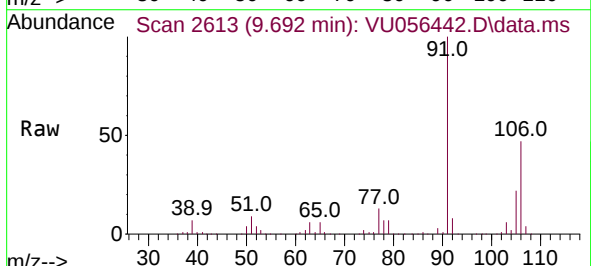
Acq: 17 Nov 2023 15:14

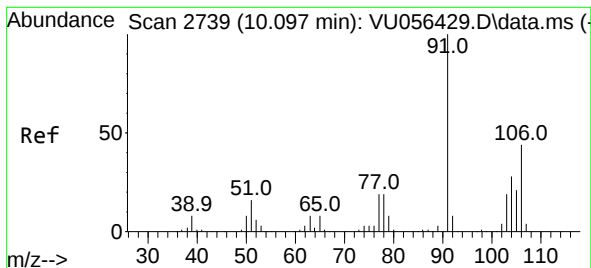
Tgt Ion:106 Resp: 178492

Ion Ratio Lower Upper

106 100

91 213.5 149.6 277.8





#54

o-Xylene

Concen: 5.506 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

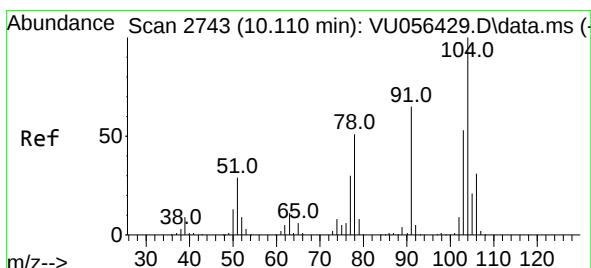
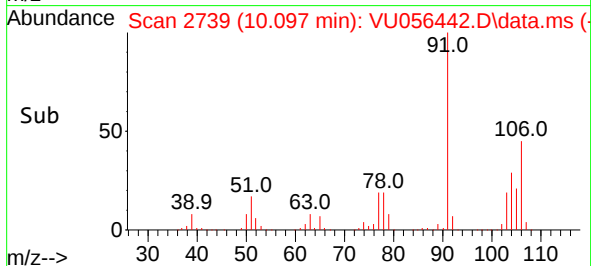
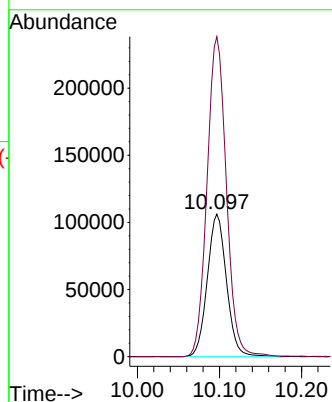
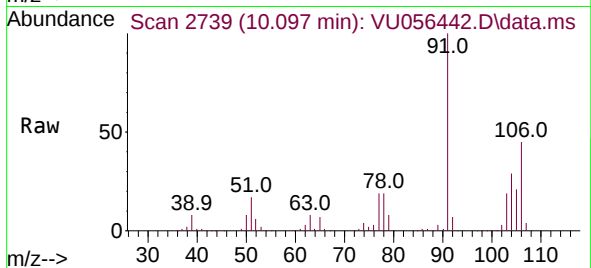
ClientSampleId :

Tgt Ion:106 Resp: 172231

Ion Ratio Lower Upper

106 100

91 224.5 159.3 295.9



#55

Styrene

Concen: 5.690 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU056442.D

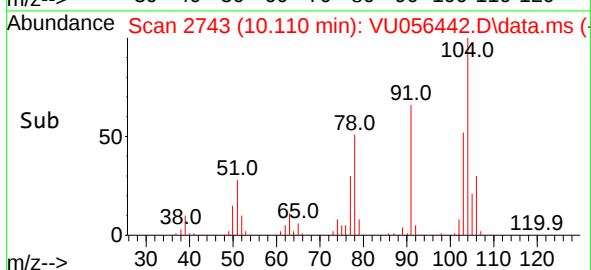
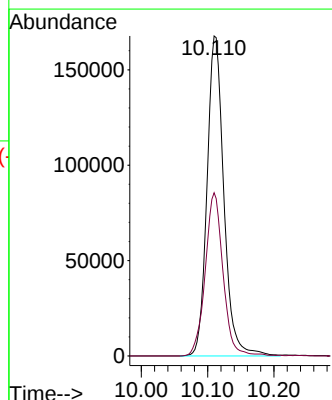
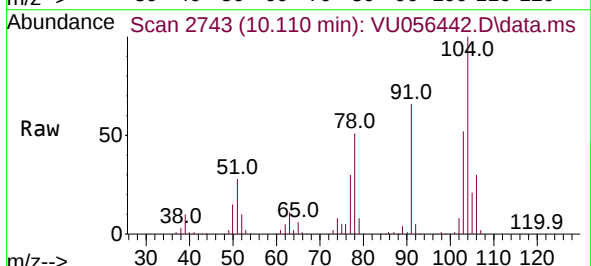
Acq: 17 Nov 2023 15:14

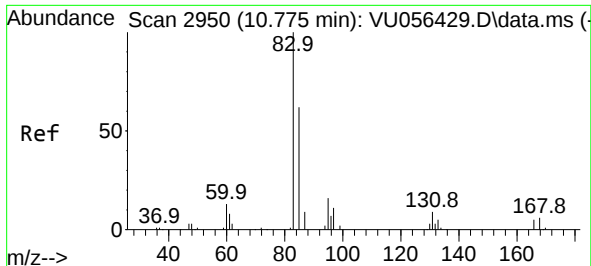
Tgt Ion:104 Resp: 296076

Ion Ratio Lower Upper

104 100

78 51.0 34.2 63.6

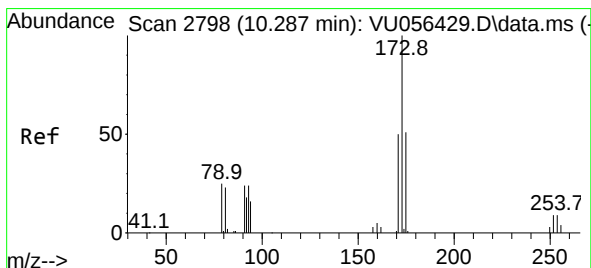
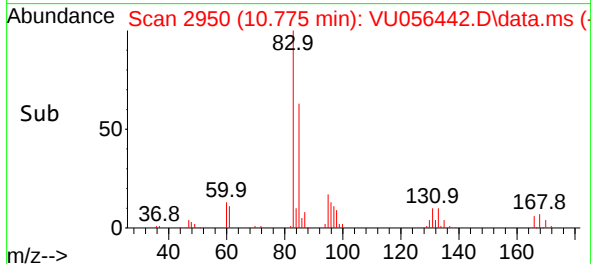
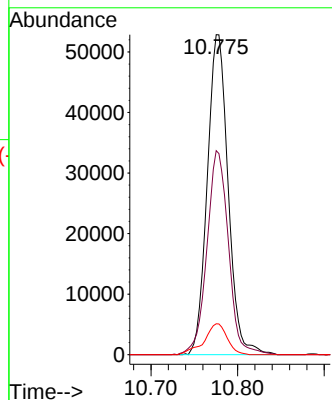
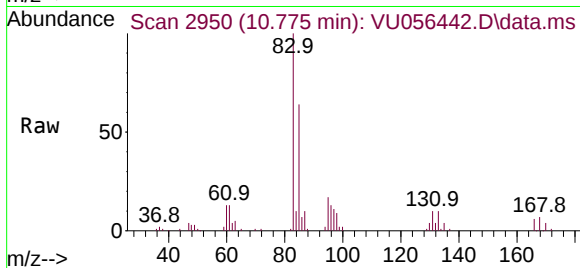




#57
1,1,2,2-Tetrachloroethane
Concen: 5.476 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

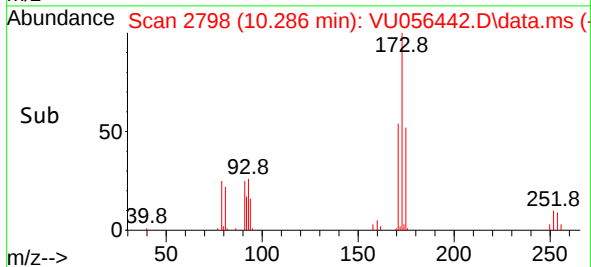
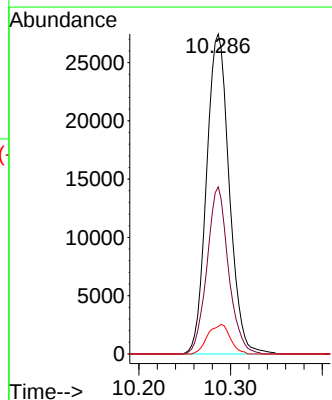
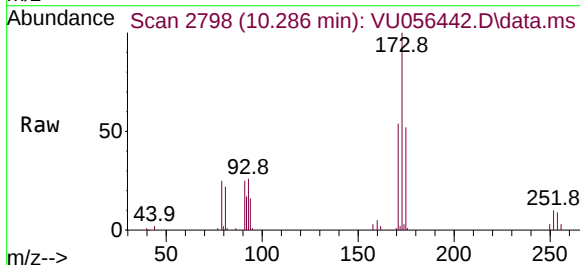
Instrument :
MSVOA_U
ClientSampleId :

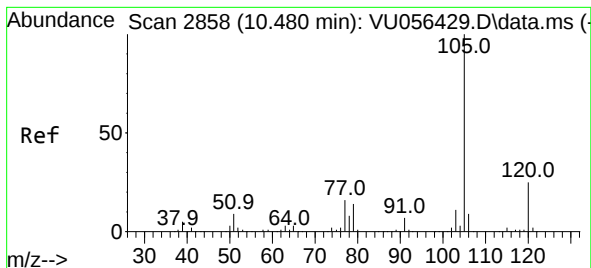
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	46.3	86.1
131	9.7	6.7	10.1



#59
Bromoform
Concen: 5.716 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	38.9	58.3
254	9.1	6.7	10.1





#60

Isopropylbenzene

Concen: 5.483 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

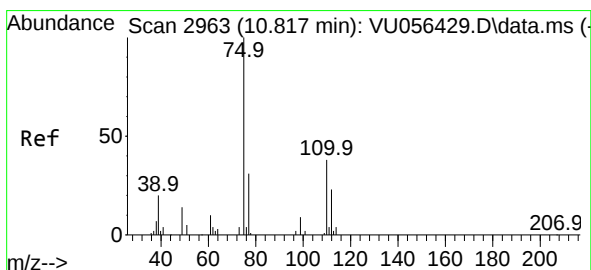
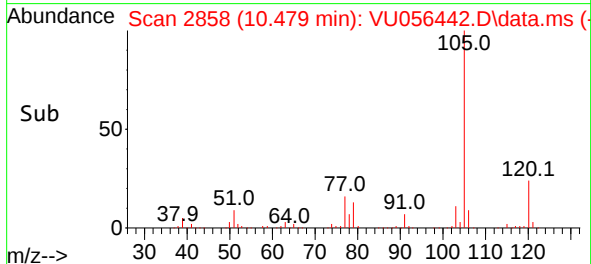
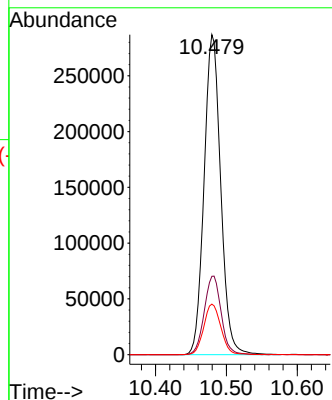
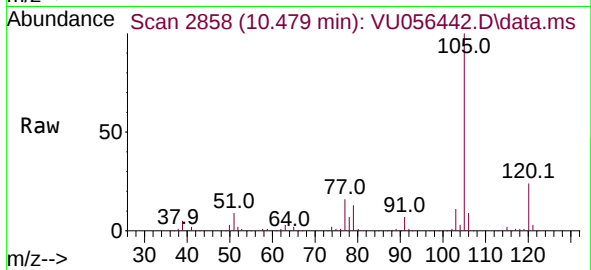
Tgt Ion:105 Resp: 467648

Ion Ratio Lower Upper

105 100

120 25.0 20.4 30.6

77 16.3 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.414 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

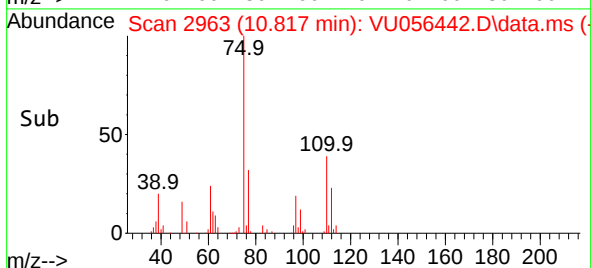
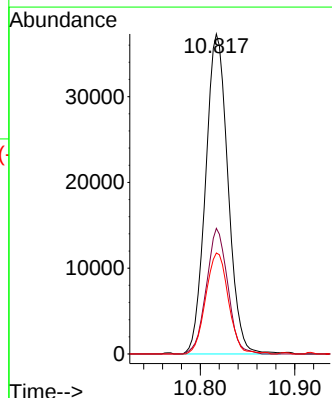
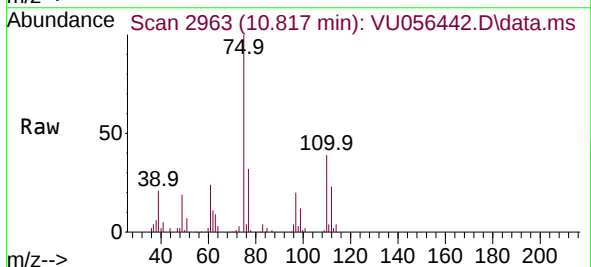
Tgt Ion: 75 Resp: 61443

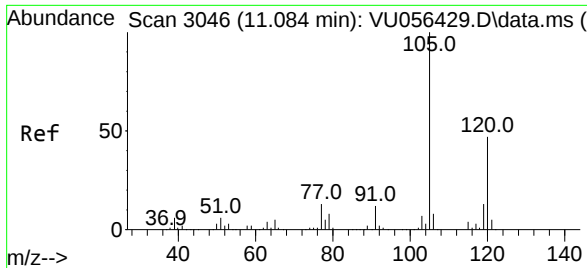
Ion Ratio Lower Upper

75 100

110 37.4 30.4 45.6

77 32.0 27.0 40.6

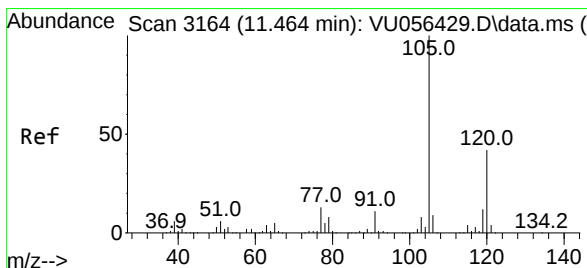
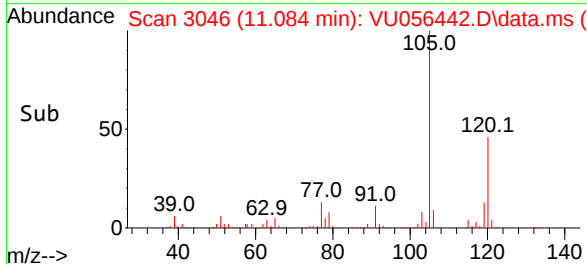
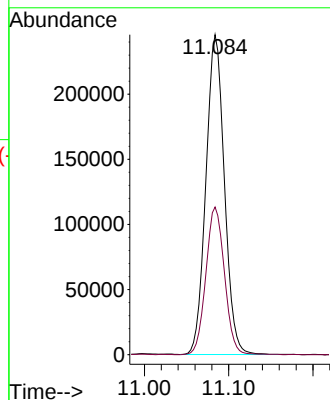
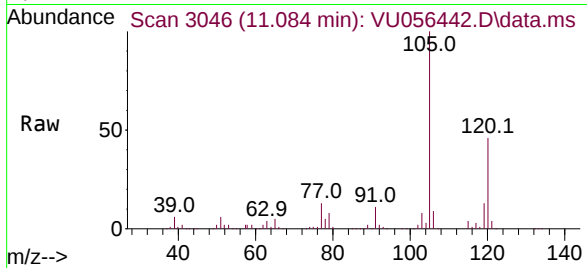




#62
1,3,5-Trimethylbenzene
Concen: 5.353 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

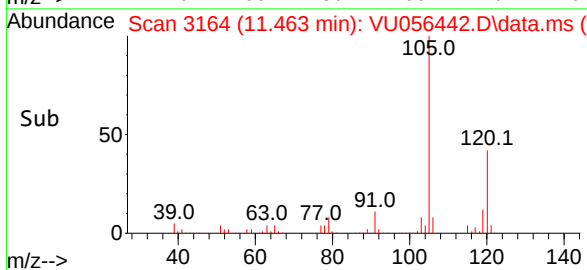
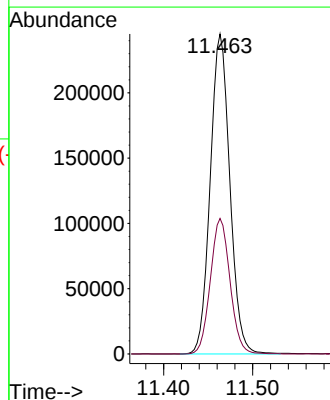
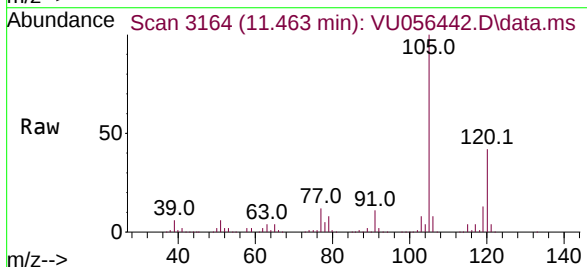
Instrument :
MSVOA_U
ClientSampleId :

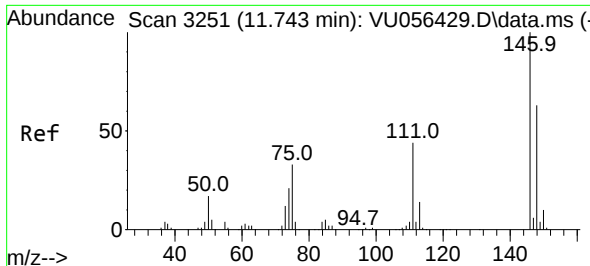
Tgt Ion:105 Resp: 374922
Ion Ratio Lower Upper
105 100
120 46.5 37.2 55.8



#63
1,2,4-Trimethylbenzene
Concen: 5.414 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

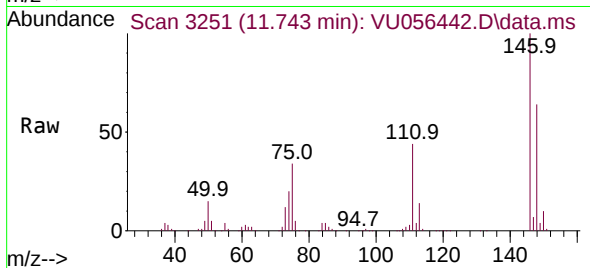
Tgt Ion:105 Resp: 374269
Ion Ratio Lower Upper
105 100
120 42.4 34.0 51.0



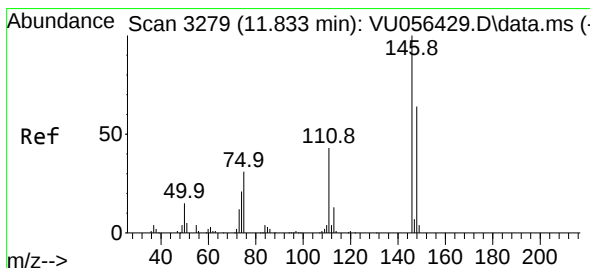
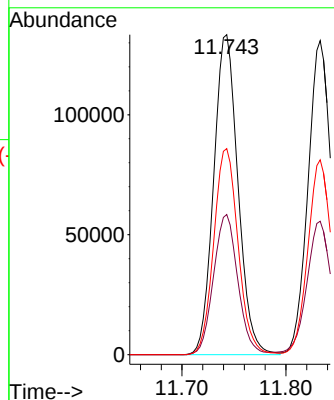
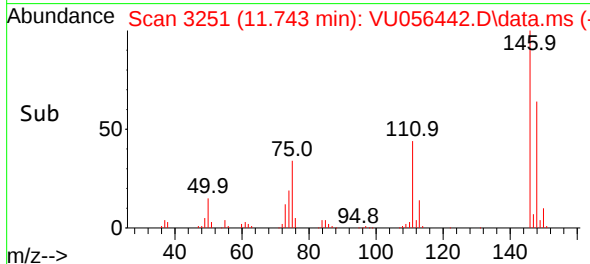


#64
1,3-Dichlorobenzene
Concen: 5.590 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14

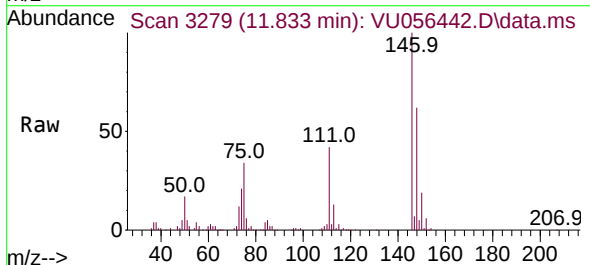
Instrument :
MSVOA_U
ClientSampleId :



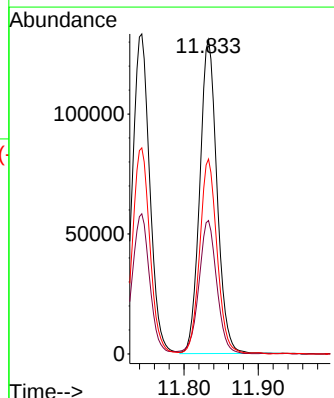
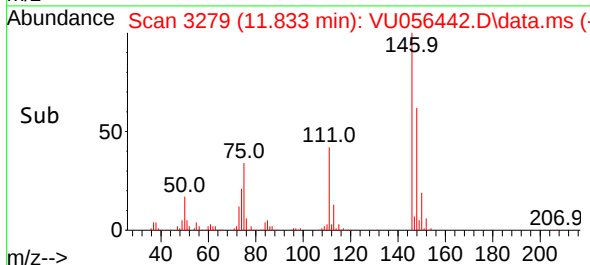
Tgt Ion:146 Resp: 216901
Ion Ratio Lower Upper
146 100
111 43.8 31.1 57.7
148 64.4 45.1 83.9

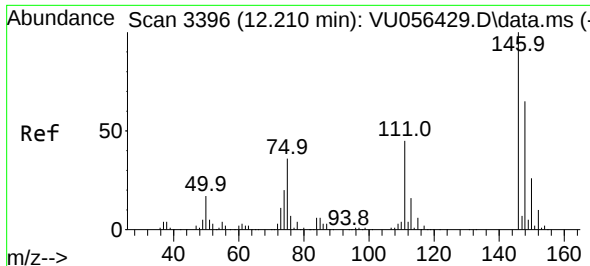


#65
1,4-Dichlorobenzene
Concen: 5.441 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056442.D
Acq: 17 Nov 2023 15:14



Tgt Ion:146 Resp: 211745
Ion Ratio Lower Upper
146 100
111 42.5 30.5 56.7
148 62.0 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.496 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

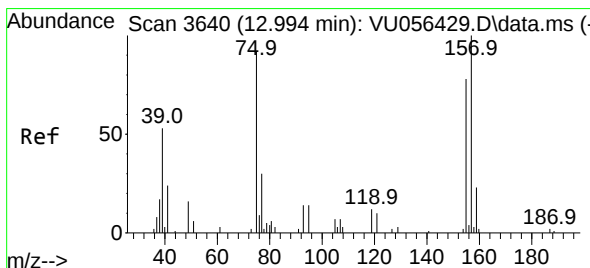
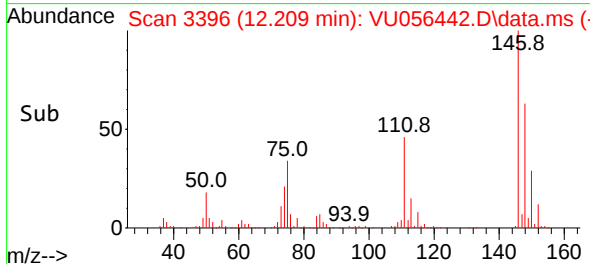
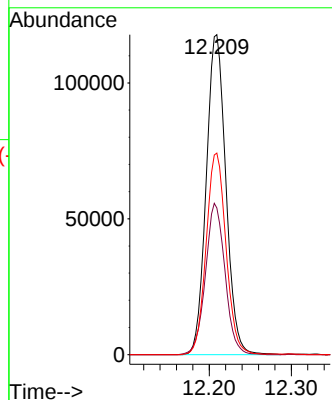
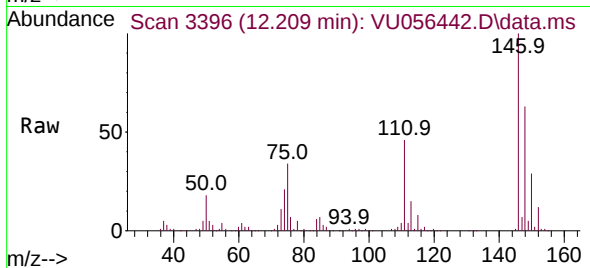
Tgt Ion:146 Resp: 195633

Ion Ratio Lower Upper

146 100

111 45.8 38.3 57.5

148 63.0 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.871 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

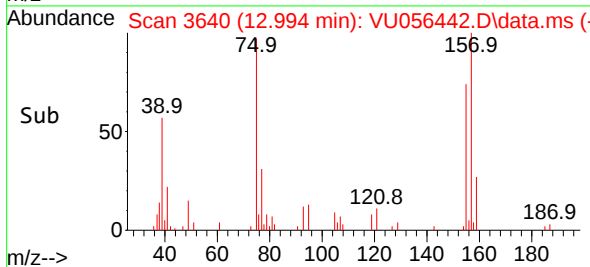
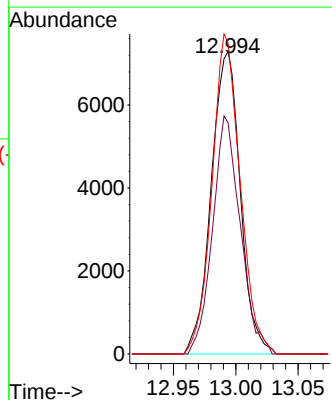
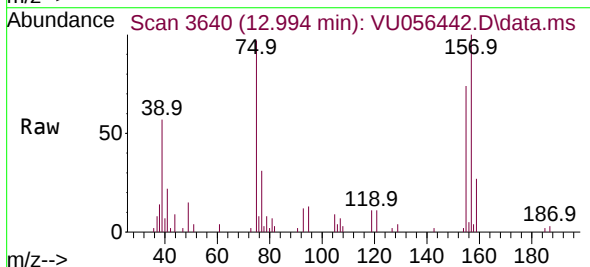
Tgt Ion: 75 Resp: 11808

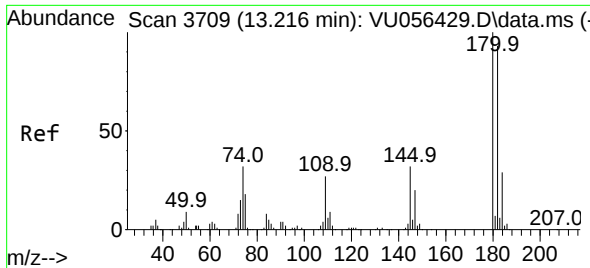
Ion Ratio Lower Upper

75 100

155 76.5 62.4 93.6

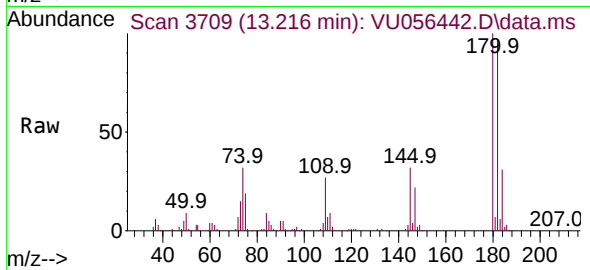
157 102.8 80.2 120.2



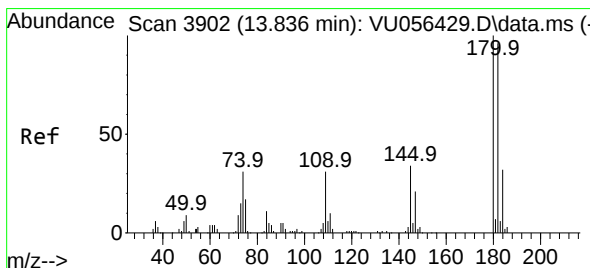
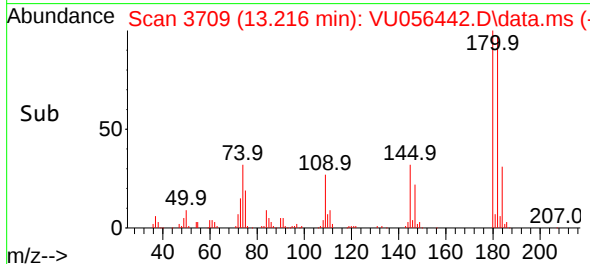
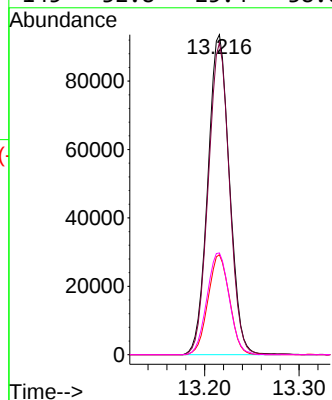


#69
 1,3,5-Trichlorobenzene
 Concen: 5.091 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU056442.D
 Acq: 17 Nov 2023 15:14

Instrument :
 MSVOA_U
 ClientSampleId :

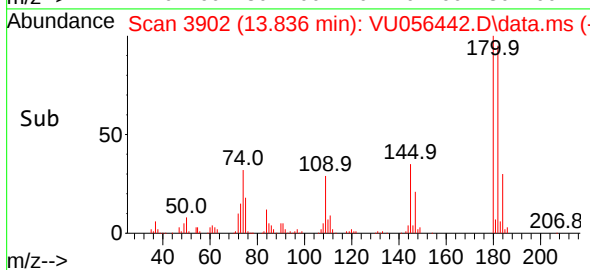
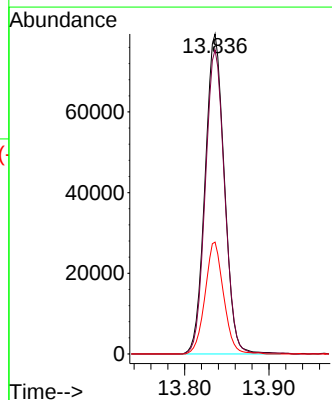
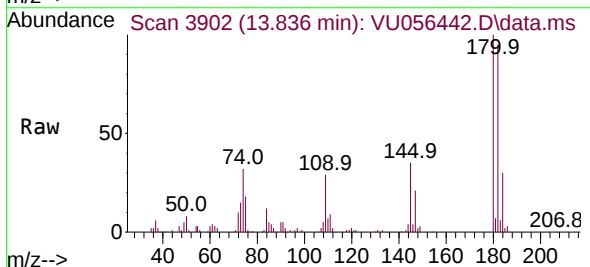


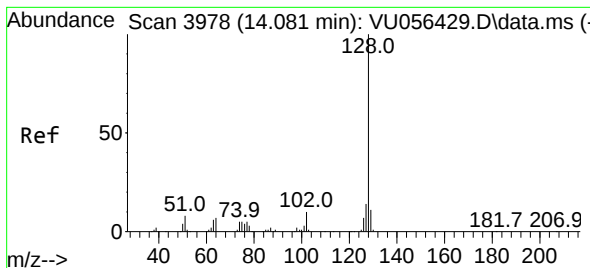
Tgt Ion:180 Resp: 148717
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.1 112.7
 184 30.9 23.5 35.3
 145 32.8 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 5.310 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU056442.D
 Acq: 17 Nov 2023 15:14

Tgt Ion:180 Resp: 126350
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.4 113.2
 145 33.6 26.8 40.2





#71

Naphthalene

Concen: 5.547 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

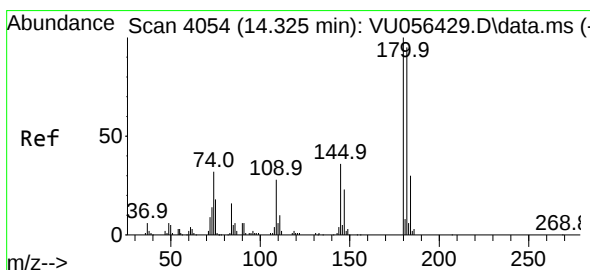
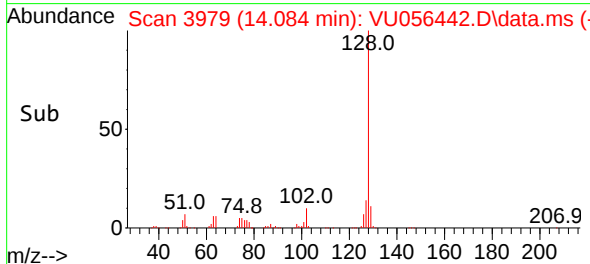
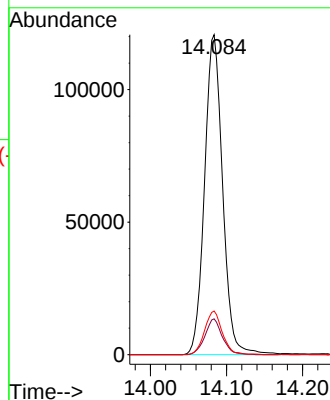
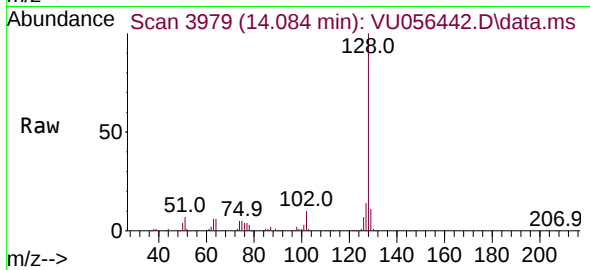
Tgt Ion:128 Resp: 199401

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 13.3 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 5.587 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU056442.D

Acq: 17 Nov 2023 15:14

Tgt Ion:180 Resp: 109505

Ion Ratio Lower Upper

180 100

182 95.7 78.6 117.8

145 36.2 29.0 43.6

