

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU113023\
 Data File : VU056648.D
 Acq On : 30 Nov 2023 16:13
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 30 22:28:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 30 22:25:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	251360	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	247002	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	126964	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	89870	4.780	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.600%
7) Chloroethane-d5	1.911	69	76274	5.291	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.800%
11) 1,1-Dichloroethene-d2	2.563	65	40202	4.845	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.000%
20) 2-Butanone-d5	4.624	46	252177	67.267	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.540%#
24) Chloroform-d	5.058	84	205073	5.639	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.800%
26) 1,2-Dichloroethane-d4	5.695	65	97242	5.787	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.800%
32) Benzene-d6	5.721	84	370825	5.039	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
36) 1,2-Dichloropropane-d6	6.685	67	119326	5.380	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.600%
41) Toluene-d8	7.894	98	321332	4.945	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
43) trans-1,3-Dichloroprop...	8.177	79	45926	5.399	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.000%
46) 2-Hexanone-d5	8.631	63	203835	60.976	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.960%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	92034	5.807	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	116738	4.977	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	83293	4.182	ug/L	96
3) Chloromethane	1.515	50	96367	4.735	ug/L	96
5) Vinyl chloride	1.602	62	96353	4.914	ug/L	96
6) Bromomethane	1.856	94	51204	5.159	ug/L	95
8) Chloroethane	1.930	64	60934	5.087	ug/L	100
9) Trichlorofluoromethane	2.136	101	142199	5.032	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	86638	5.164	ug/L	99
12) 1,1-Dichloroethene	2.576	96	81126	5.272	ug/L	98
13) Acetone	2.634	43	142192	44.533	ug/L	100
14) Carbon disulfide	2.788	76	199083	3.976	ug/L	98
15) Methyl Acetate	2.952	43	36766	6.470	ug/L	97
16) Methylene chloride	3.039	84	105303	5.171	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	225401	6.029	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	85832	5.422	ug/L	97
19) 1,1-Dichloroethane	3.862	63	185919	5.928	ug/L	97
21) 2-Butanone	4.705	43	229494	55.391	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	102873	5.730	ug/L	98
23) Bromochloromethane	4.968	128	44067	5.963	ug/L	96
25) Chloroform	5.081	83	199215	5.863	ug/L	97

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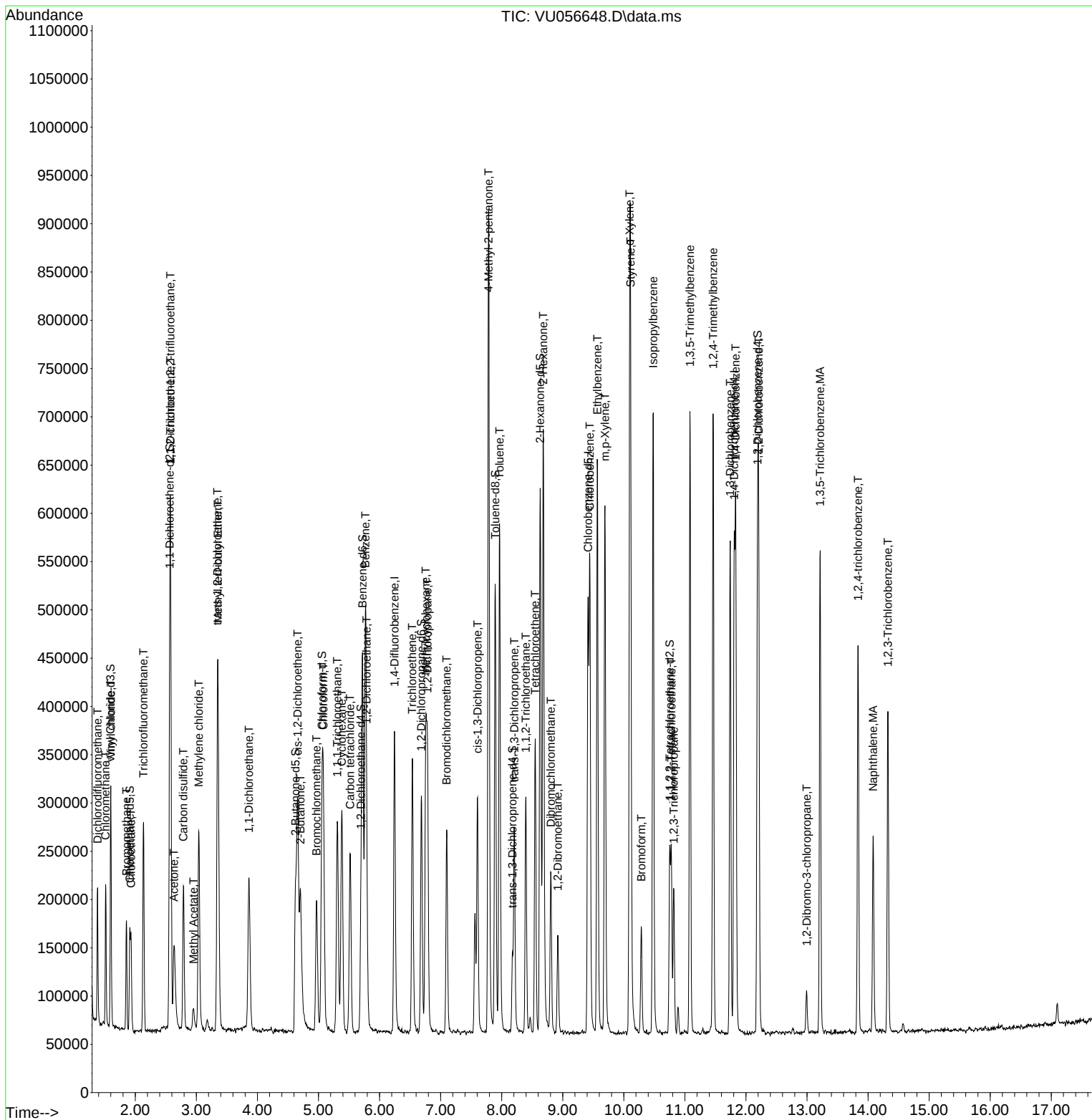
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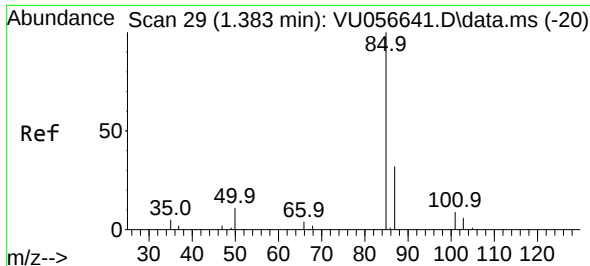
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	115713	5.998	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	160385	5.657	ug/L	98
30) Cyclohexane	5.383	56	112715	4.189	ug/L	100
31) Carbon tetrachloride	5.518	117	129720	5.327	ug/L	100
33) Benzene	5.769	78	386457	5.483	ug/L	100
34) Trichloroethene	6.537	95	103302	5.380	ug/L	99
35) Methylcyclohexane	6.759	83	117634	4.243	ug/L	98
37) 1,2-Dichloropropane	6.785	63	106780	5.810	ug/L	100
38) Bromodichloromethane	7.100	83	139077	5.862	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	153936	5.700	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	547013	60.040	ug/L	100
42) Toluene	7.965	91	404234	5.540	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	121818	5.658	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	77510	6.332	ug/L	97
47) Tetrachloroethene	8.550	164	67503	5.213	ug/L	99
48) 2-Hexanone	8.682	43	398169	56.098	ug/L	98
49) Dibromochloromethane	8.804	129	85450	6.139	ug/L	96
50) 1,2-Dibromoethane	8.920	107	67723	5.860	ug/L	99
51) Chlorobenzene	9.444	112	263184	5.613	ug/L	98
52) Ethylbenzene	9.566	91	439510	5.424	ug/L	99
53) m,p-Xylene	9.692	106	161723	5.429	ug/L	100
54) o-Xylene	10.097	106	160127	5.534	ug/L	100
55) Styrene	10.113	104	278702	5.791	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	93843	6.279	ug/L	96
59) Bromoform	10.287	173	48204	6.095	ug/L	99
60) Isopropylbenzene	10.483	105	426643	5.211	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	63773	5.854	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	350604	5.215	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	355086	5.351	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	208196	5.590	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	200745	5.373	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	190719	5.581	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	13063	5.614	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	151751	5.411	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	116579	5.104	ug/L	98
71) Naphthalene	14.084	128	165956	4.809	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	98479	5.234	ug/L	97

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

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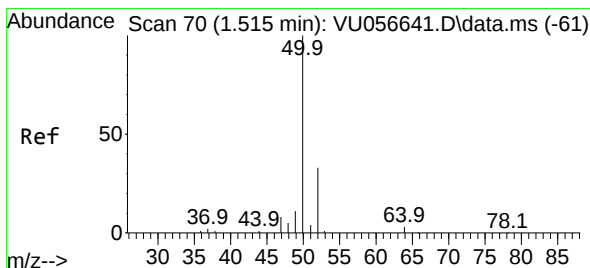
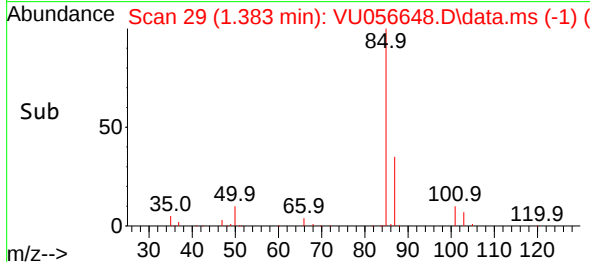
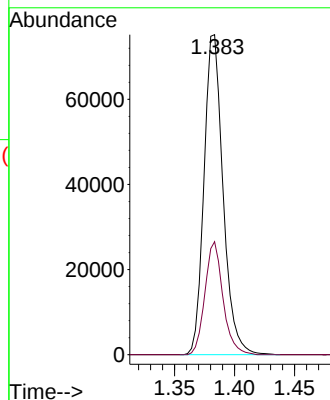
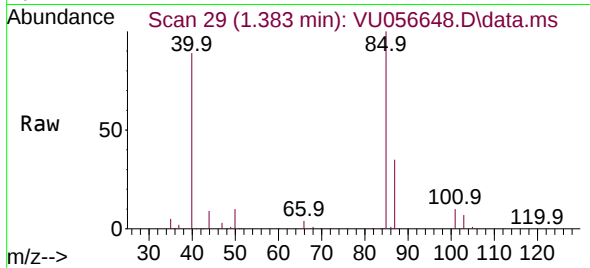




#2
 Dichlorodifluoromethane
 Concen: 4.182 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU056648.D
 Acq: 30 Nov 2023 16:13

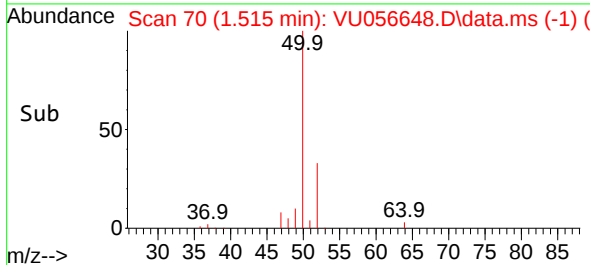
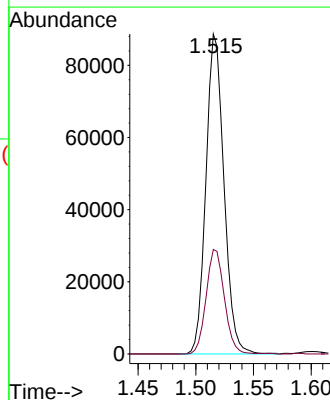
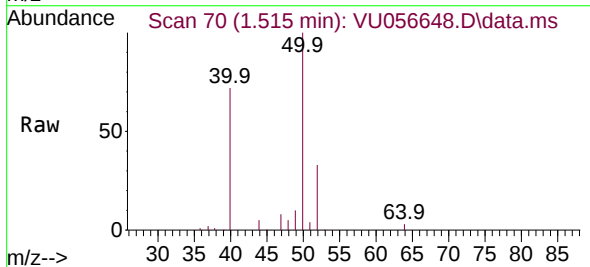
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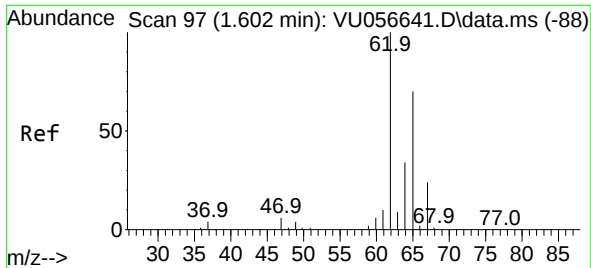
Tgt Ion: 85 Resp: 83293
 Ion Ratio Lower Upper
 85 100
 87 33.4 25.0 37.4



#3
 Chloromethane
 Concen: 4.735 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU056648.D
 Acq: 30 Nov 2023 16:13

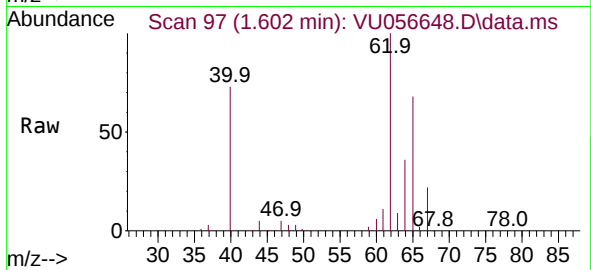
Tgt Ion: 50 Resp: 96367
 Ion Ratio Lower Upper
 50 100
 52 32.7 24.3 45.1



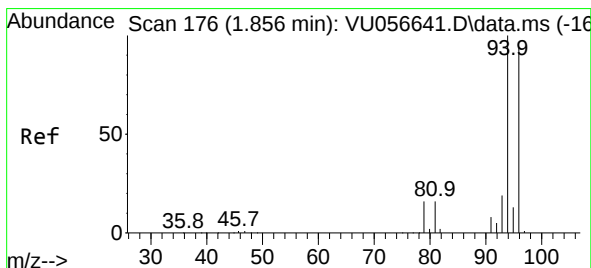
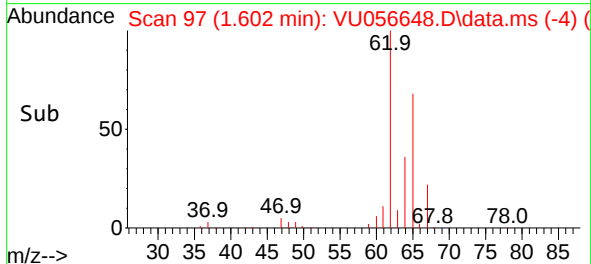
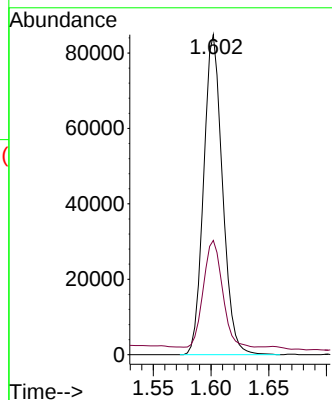


#5
 Vinyl chloride
 Concen: 4.914 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VU056648.D
 Acq: 30 Nov 2023 16:13

Instrument :
 MSVOA_U
 ClientSampleId :

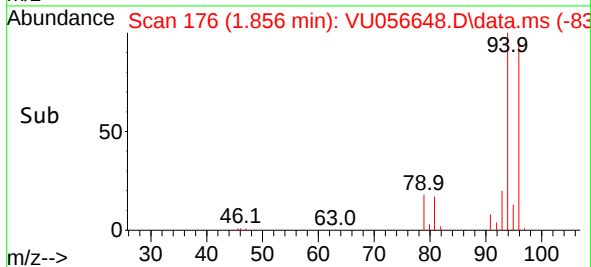
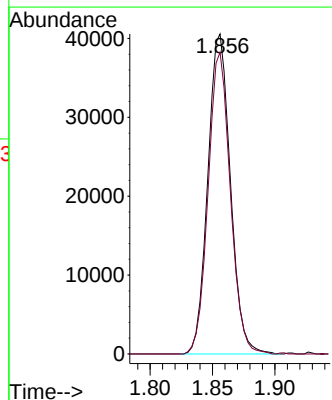
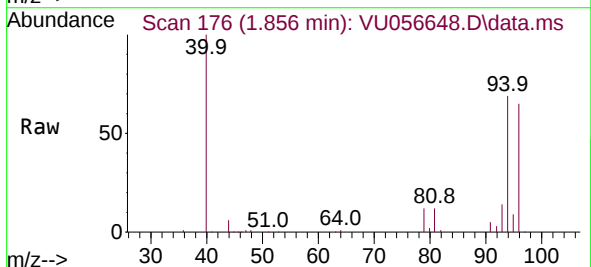


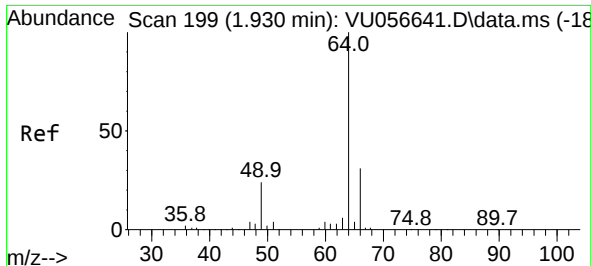
Tgt Ion: 62 Resp: 96353
 Ion Ratio Lower Upper
 62 100
 64 35.7 23.3 43.3



#6
 Bromomethane
 Concen: 5.159 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU056648.D
 Acq: 30 Nov 2023 16:13

Tgt Ion: 94 Resp: 51204
 Ion Ratio Lower Upper
 94 100
 96 94.3 62.6 116.2

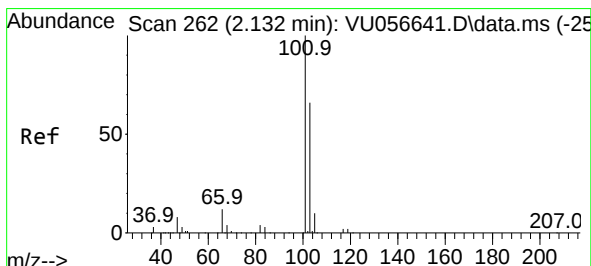
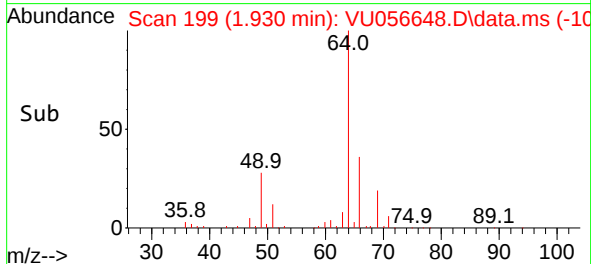
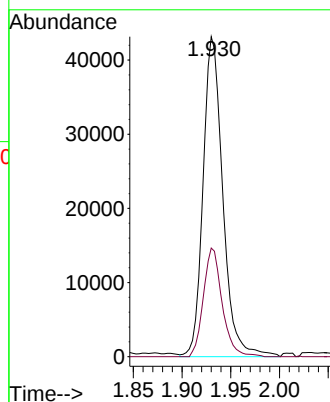
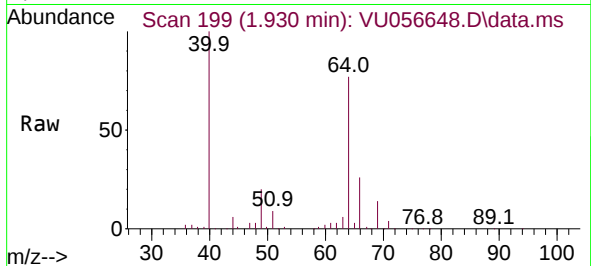




#8
Chloroethane
Concen: 5.087 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

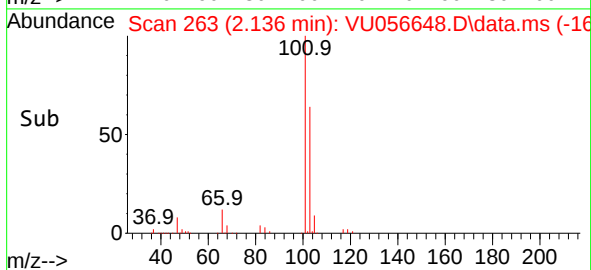
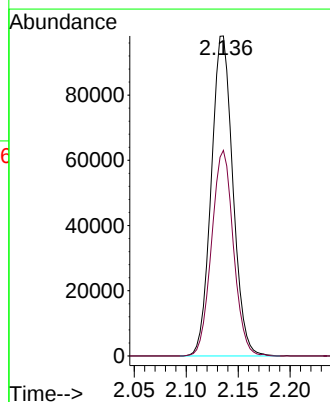
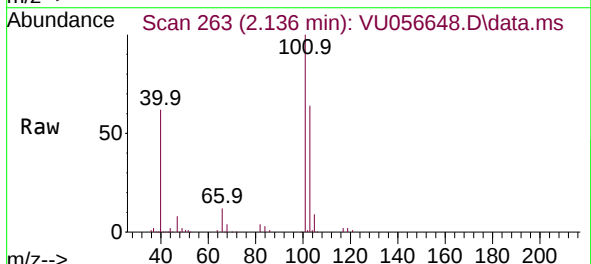
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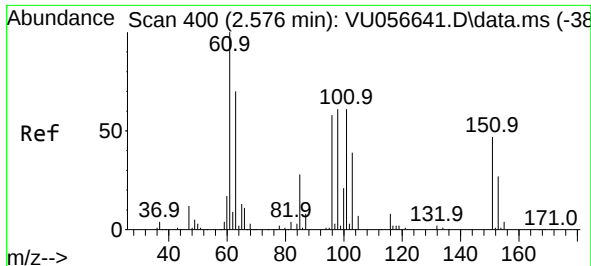
Tgt Ion: 64 Resp: 60934
Ion Ratio Lower Upper
64 100
66 34.0 23.9 44.5



#9
Trichlorofluoromethane
Concen: 5.032 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

Tgt Ion:101 Resp: 142199
Ion Ratio Lower Upper
101 100
103 64.8 52.0 78.0

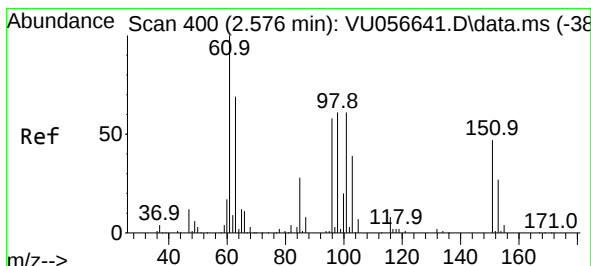
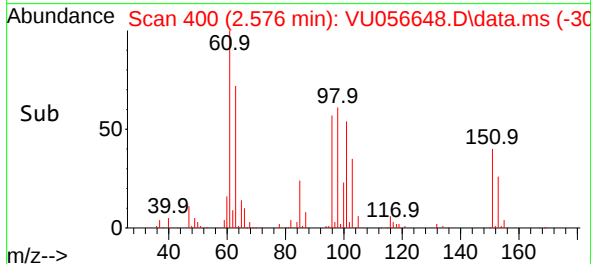
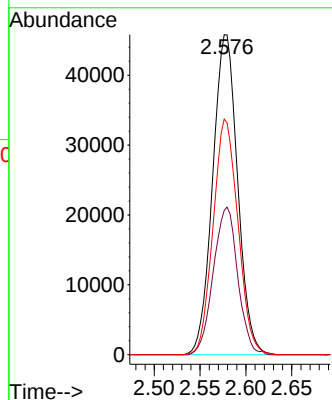
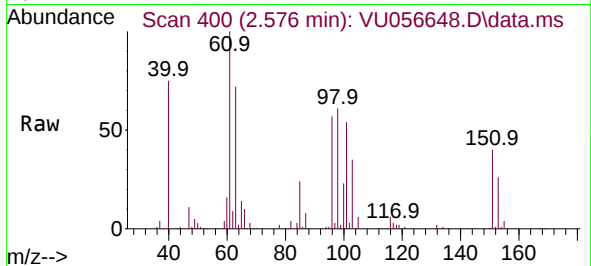




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.164 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056648.D
 Acq: 30 Nov 2023 16:13

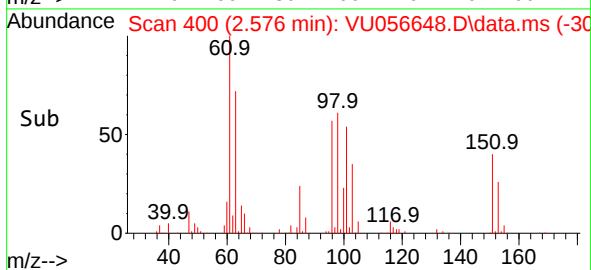
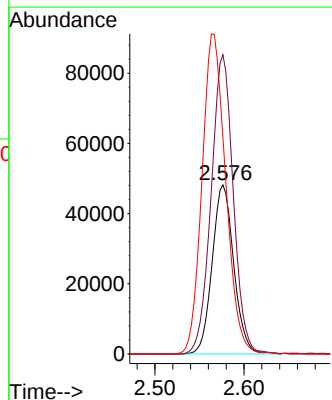
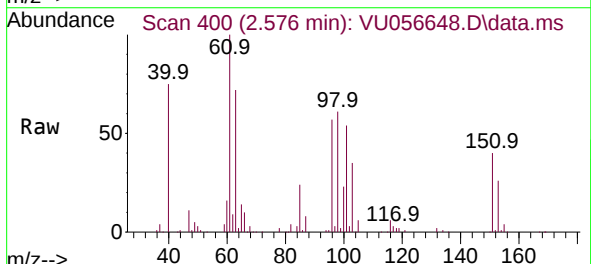
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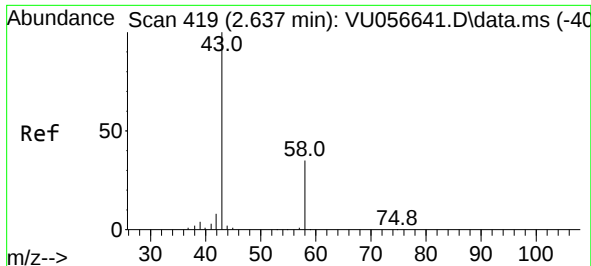
Tgt Ion:101 Resp: 86638
 Ion Ratio Lower Upper
 101 100
 85 45.2 35.4 53.0
 151 73.4 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 5.272 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056648.D
 Acq: 30 Nov 2023 16:13

Tgt Ion: 96 Resp: 81126
 Ion Ratio Lower Upper
 96 100
 61 177.0 123.1 228.7
 63 128.2 93.3 173.3





#13

Acetone

Concen: 44.533 ug/L

RT: 2.634 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Instrument :

MSVOA_U

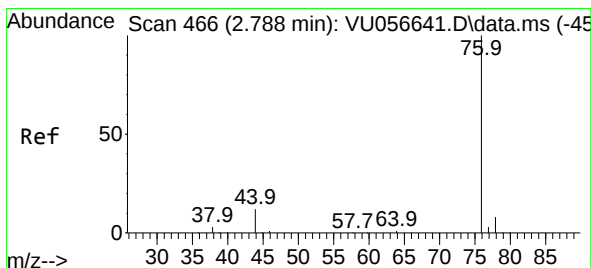
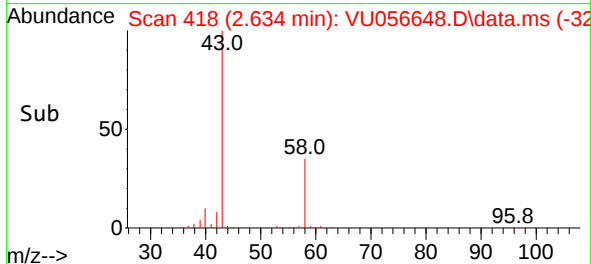
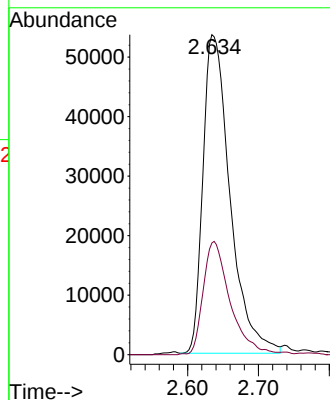
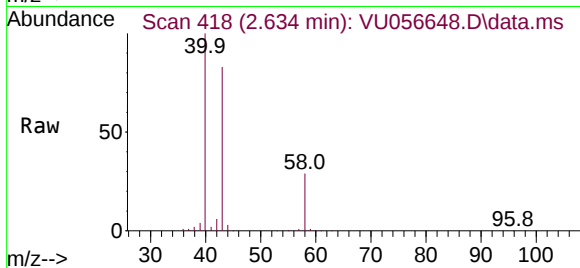
ClientSampleId :

Tgt Ion: 43 Resp: 142192

Ion Ratio Lower Upper

43 100

58 35.2 0.0 70.0



#14

Carbon disulfide

Concen: 3.976 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU056648.D

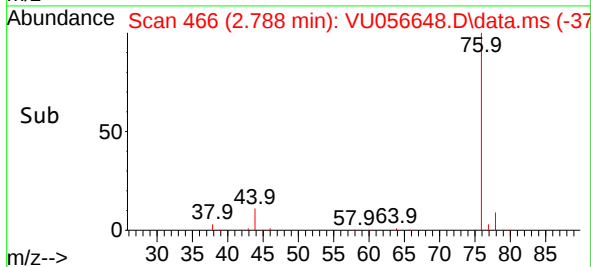
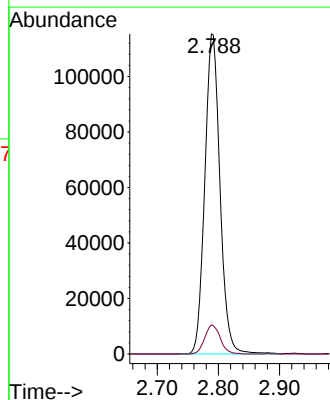
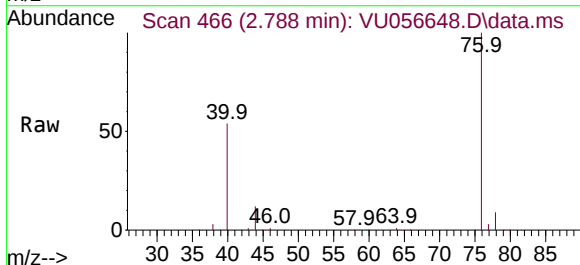
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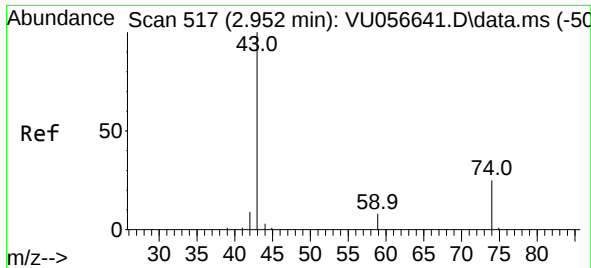
Tgt Ion: 76 Resp: 199083

Ion Ratio Lower Upper

76 100

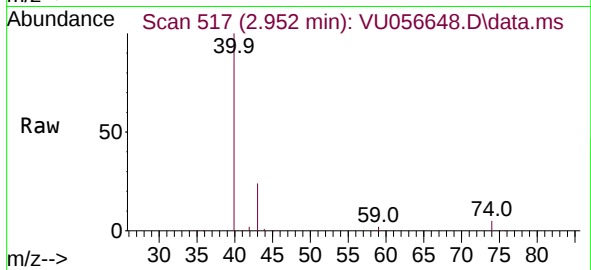
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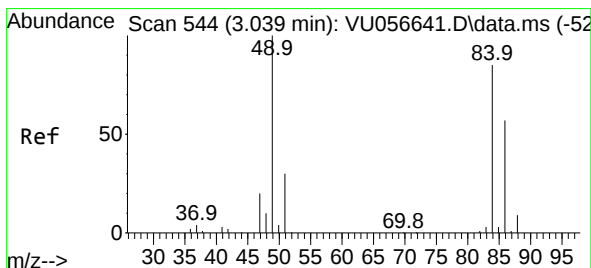
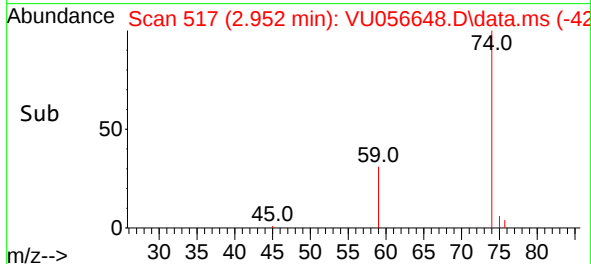
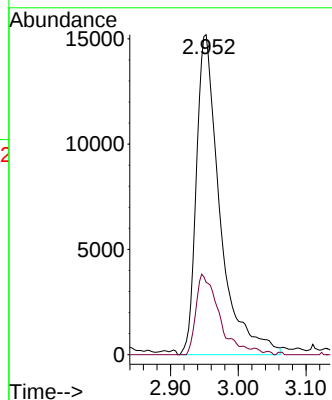


#15
Methyl Acetate
Concen: 6.470 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

Instrument :
MSVOA_U
ClientSampleId :

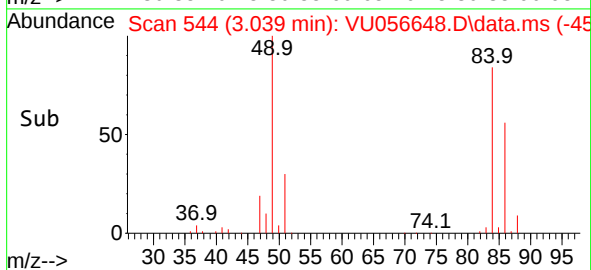
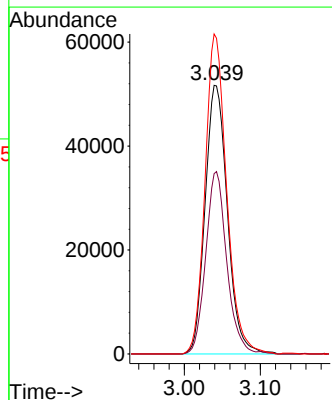
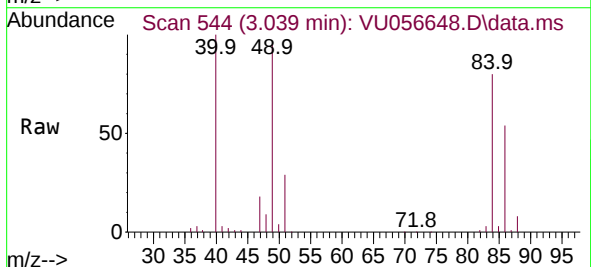


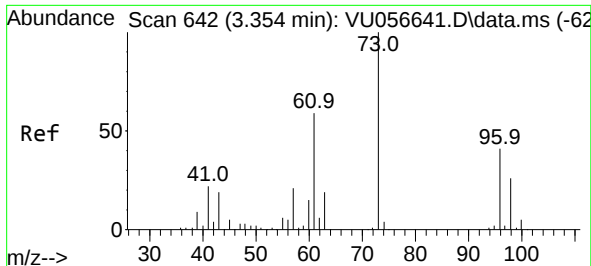
Tgt Ion: 43 Resp: 36766
Ion Ratio Lower Upper
43 100
74 24.4 20.6 31.0



#16
Methylene chloride
Concen: 5.171 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

Tgt Ion: 84 Resp: 105303
Ion Ratio Lower Upper
84 100
86 67.1 44.7 83.1
49 119.1 81.8 152.0





#17

Methyl tert-butyl Ether

Concen: 6.029 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Instrument :

MSVOA_U

ClientSampleId :

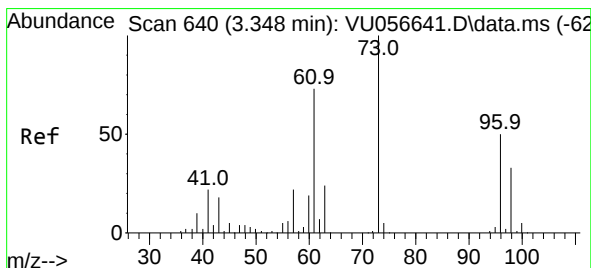
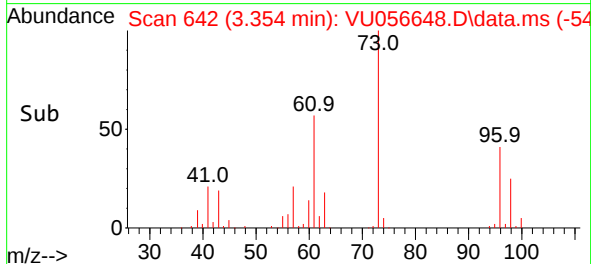
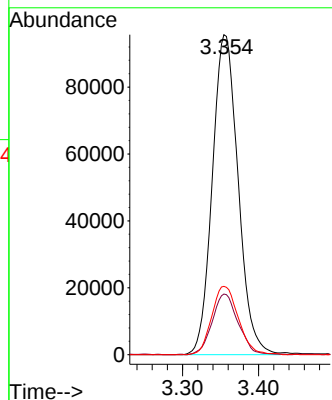
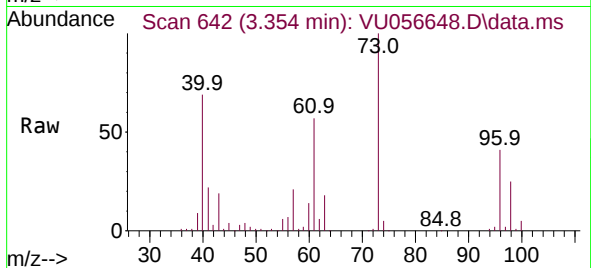
Tgt Ion: 73 Resp: 225401

Ion Ratio Lower Upper

73 100

43 19.1 15.1 22.7

57 22.0 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 5.422 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

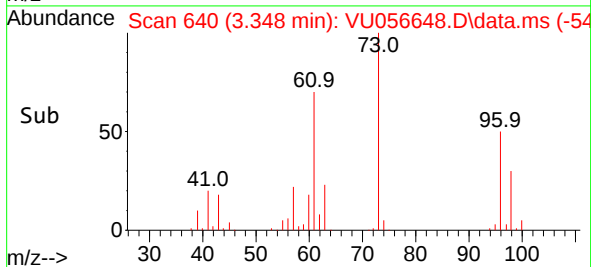
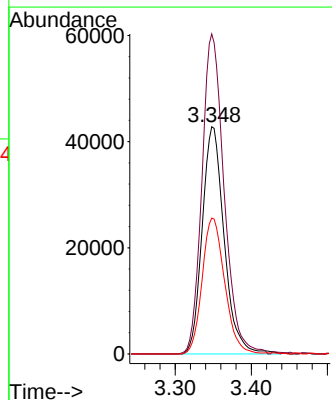
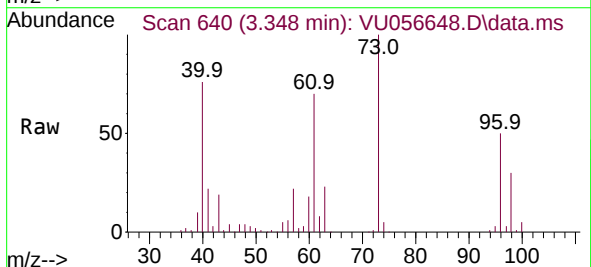
Tgt Ion: 96 Resp: 85832

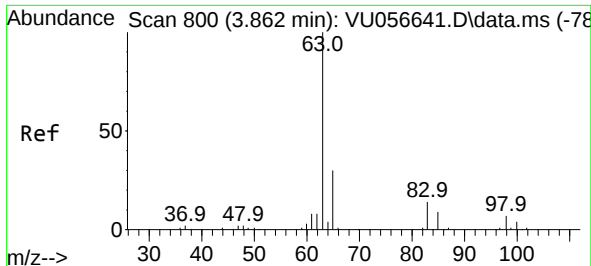
Ion Ratio Lower Upper

96 100

61 140.9 101.7 188.9

98 59.8 43.0 80.0





#19

1,1-Dichloroethane

Concen: 5.928 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Instrument :

MSVOA_U

ClientSampleId :

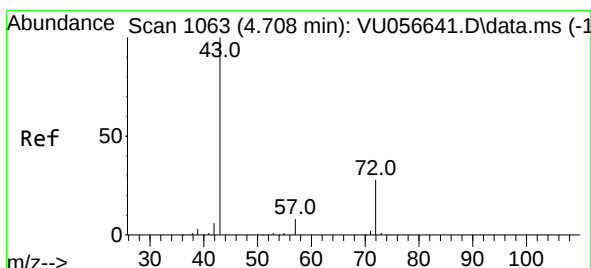
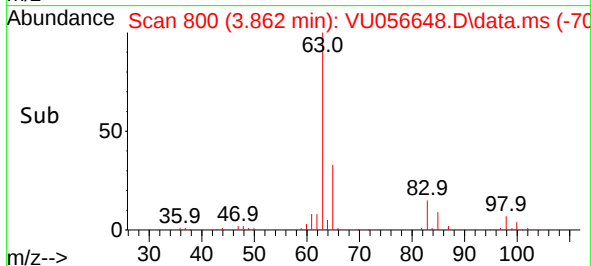
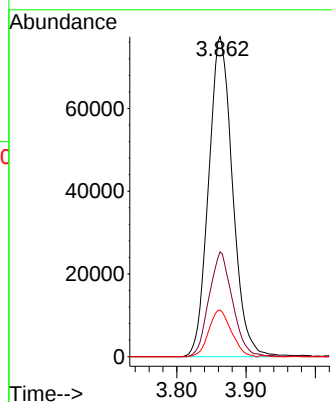
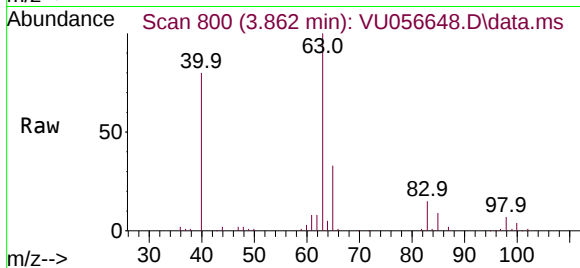
Tgt Ion: 63 Resp: 185919

Ion Ratio Lower Upper

63 100

65 32.8 21.8 40.6

83 14.6 9.7 17.9



#21

2-Butanone

Concen: 55.391 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.003 min

Lab File: VU056648.D

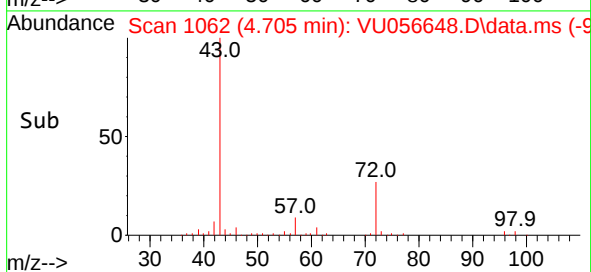
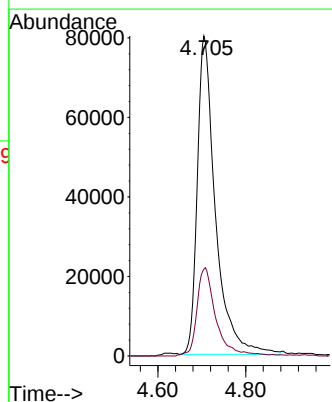
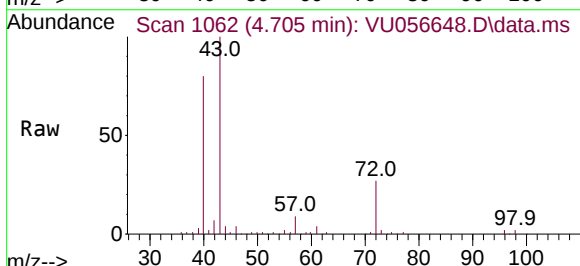
Acq: 30 Nov 2023 16:13

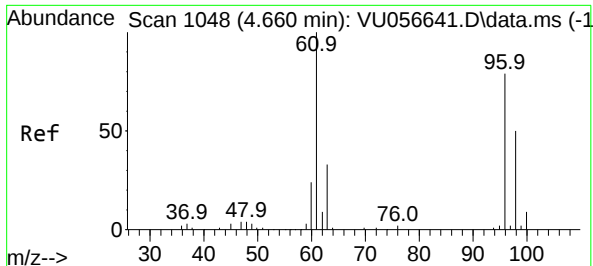
Tgt Ion: 43 Resp: 229494

Ion Ratio Lower Upper

43 100

72 27.8 14.2 42.6





#22

cis-1,2-Dichloroethene

Concen: 5.730 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Instrument :

MSVOA_U

ClientSampleId :

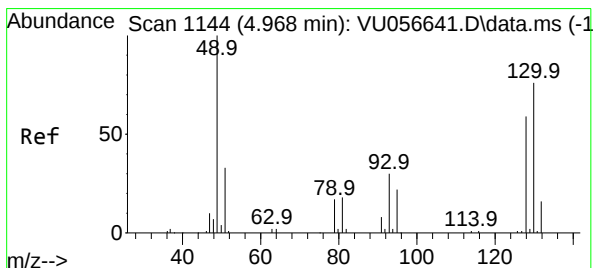
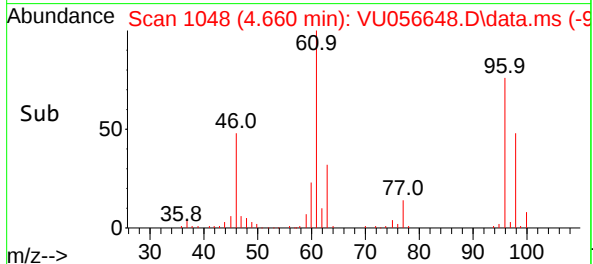
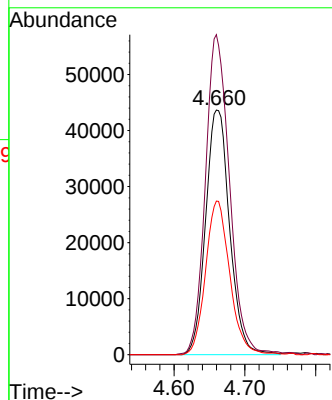
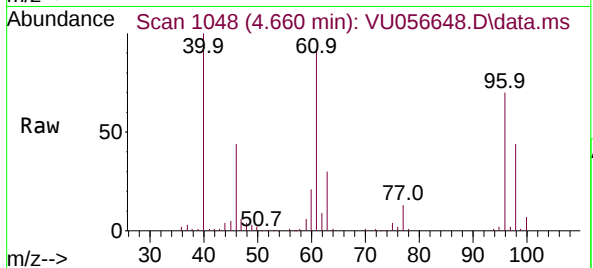
Tgt Ion: 96 Resp: 102873

Ion Ratio Lower Upper

96 100

61 130.8 93.2 173.2

98 62.8 44.8 83.2



#23

Bromochloromethane

Concen: 5.963 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Tgt Ion: 128 Resp: 44067

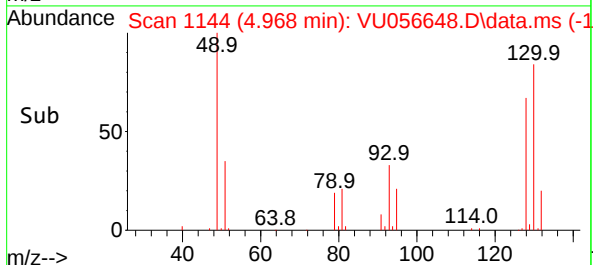
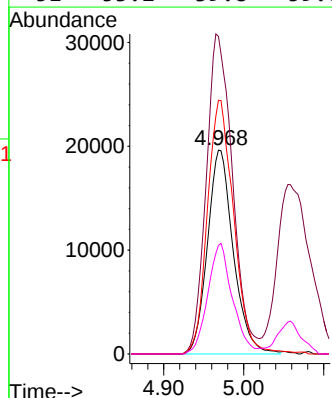
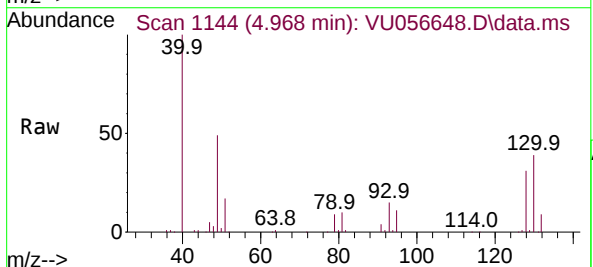
Ion Ratio Lower Upper

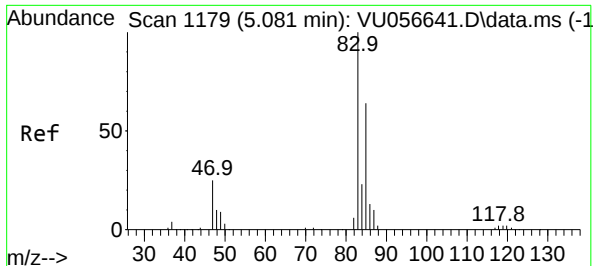
128 100

49 155.9 113.4 210.6

130 124.4 84.8 157.6

51 53.2 39.8 59.6





#25

Chloroform

Concen: 5.863 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Instrument :

MSVOA_U

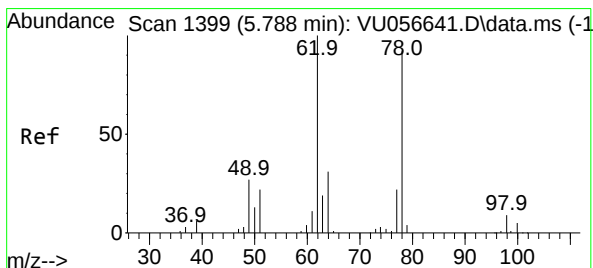
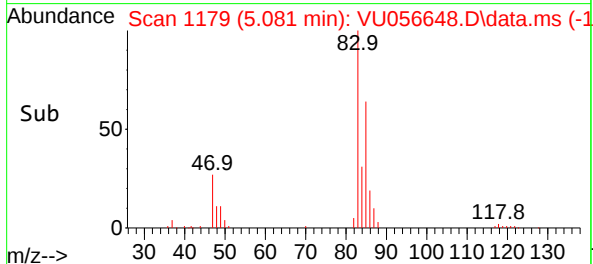
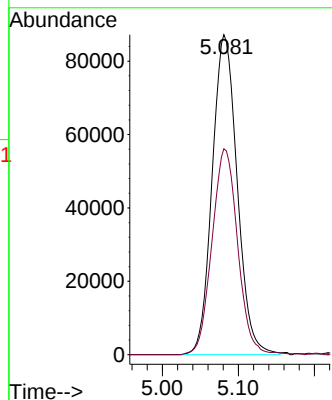
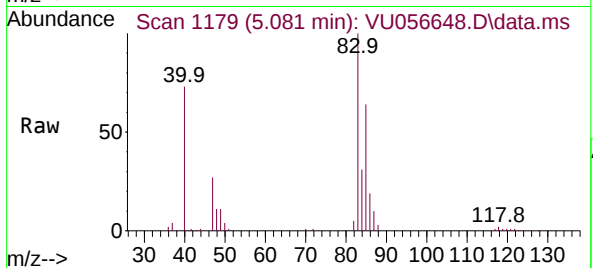
ClientSampleId :

Tgt Ion: 83 Resp: 199215

Ion Ratio Lower Upper

83 100

85 64.4 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.998 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU056648.D

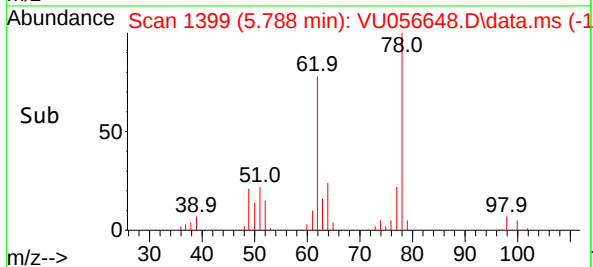
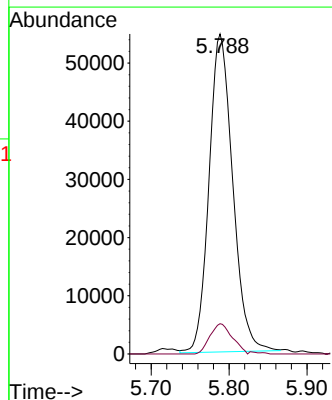
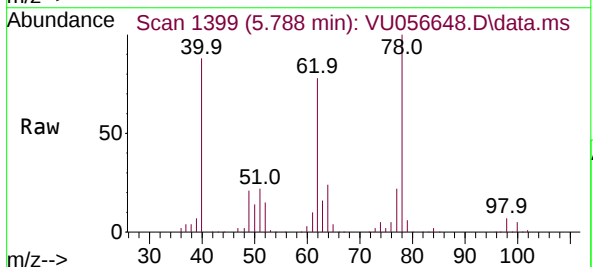
Acq: 30 Nov 2023 16:13

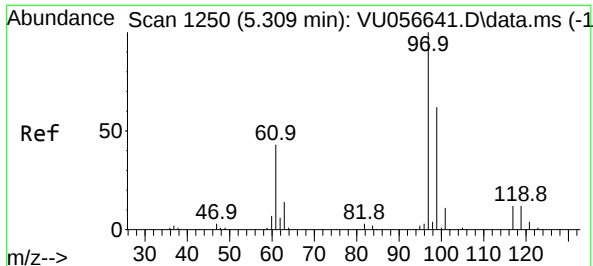
Tgt Ion: 62 Resp: 115713

Ion Ratio Lower Upper

62 100

98 9.5 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.657 ug/L

RT: 5.309 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Instrument :

MSVOA_U

ClientSampleId :

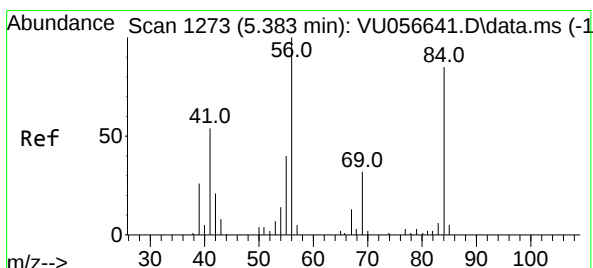
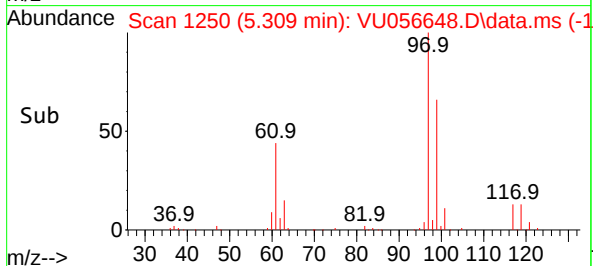
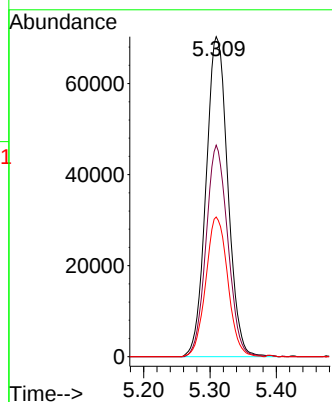
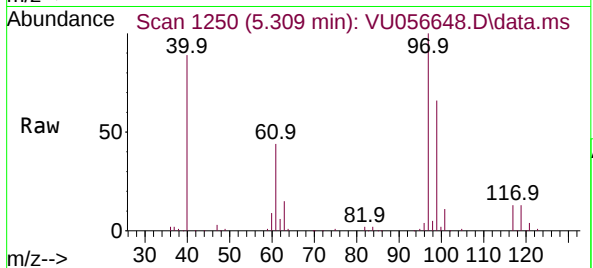
Tgt Ion: 97 Resp: 160385

Ion Ratio Lower Upper

97 100

99 66.0 51.6 77.4

61 44.1 34.3 51.5



#30

Cyclohexane

Concen: 4.189 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

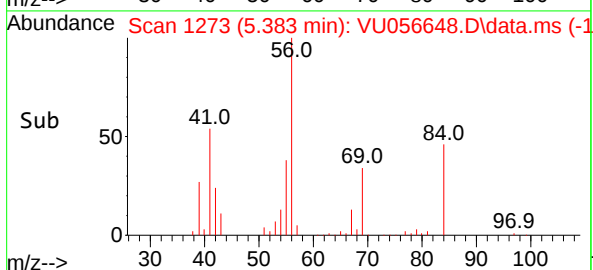
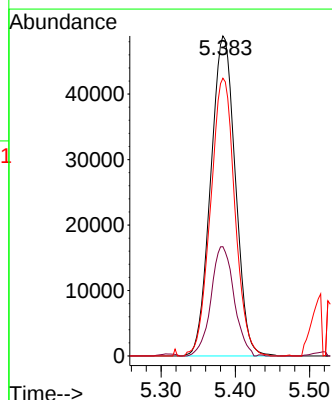
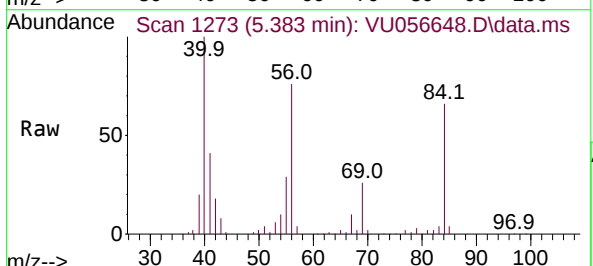
Tgt Ion: 56 Resp: 112715

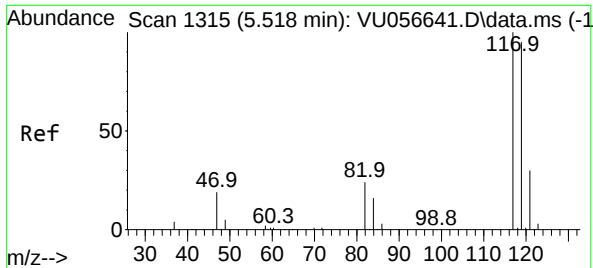
Ion Ratio Lower Upper

56 100

69 31.9 25.4 38.2

84 85.4 68.6 103.0

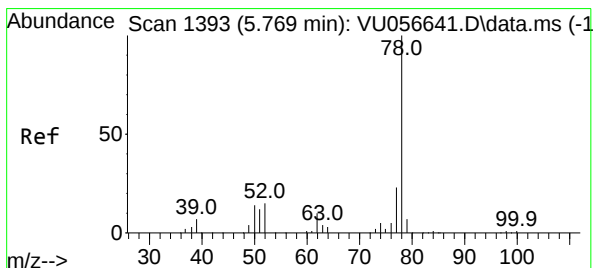
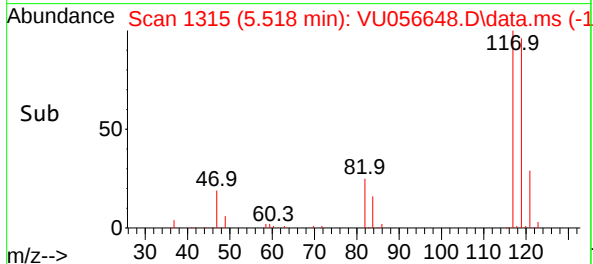
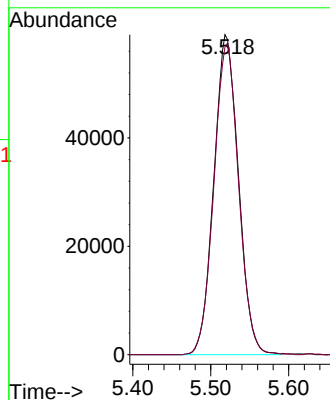
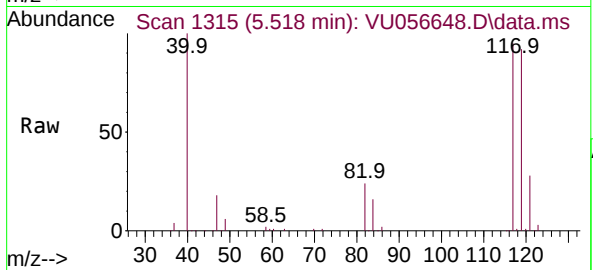




#31
Carbon tetrachloride
Concen: 5.327 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

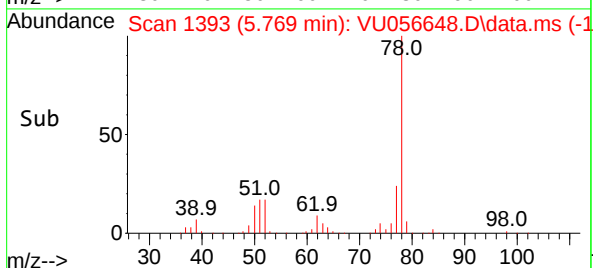
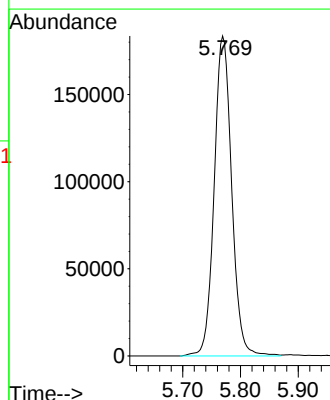
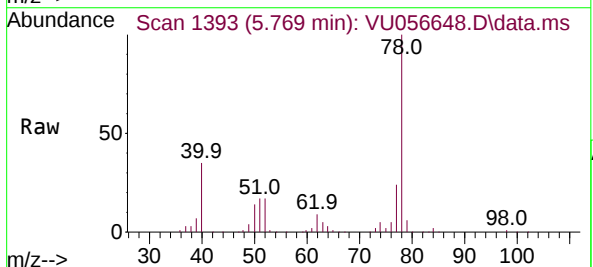
Instrument :
MSVOA_U
ClientSampleId :

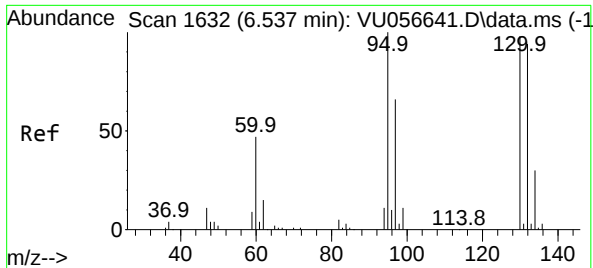
Tgt Ion:117 Resp: 129720
Ion Ratio Lower Upper
117 100
119 97.9 78.1 117.1



#33
Benzene
Concen: 5.483 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

Tgt Ion: 78 Resp: 386457

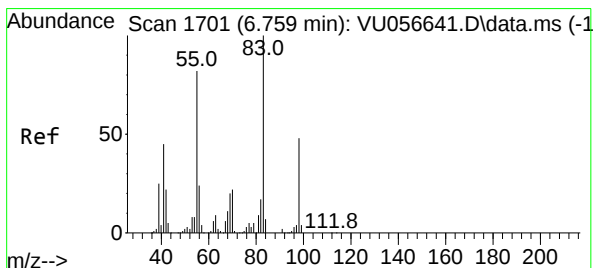
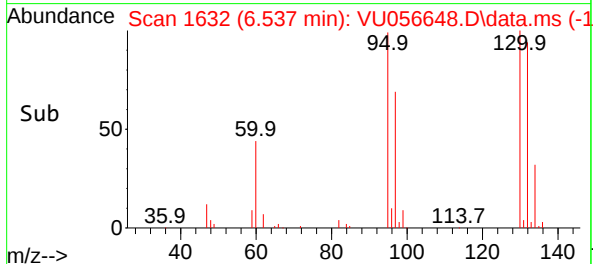
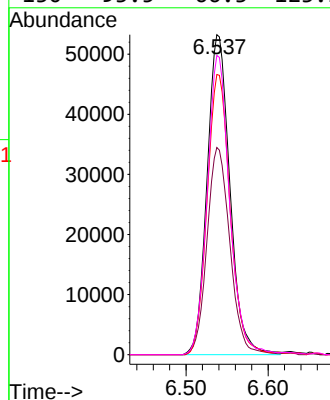
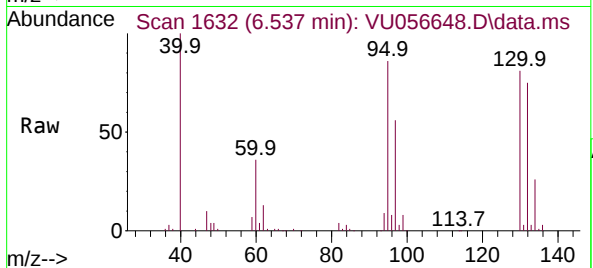




#34
Trichloroethene
Concen: 5.380 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

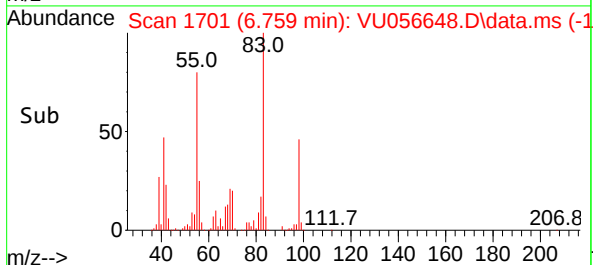
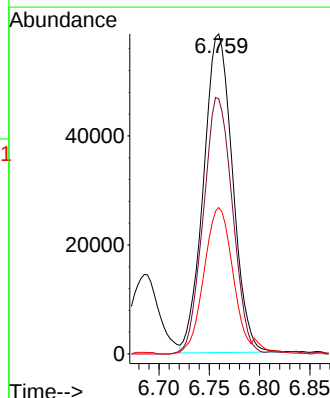
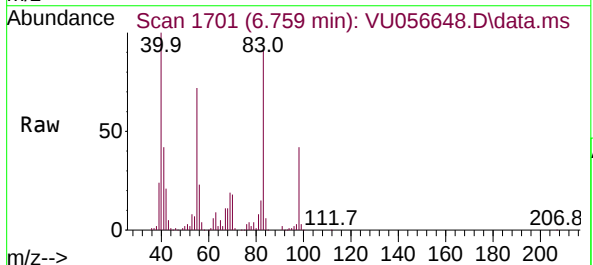
Instrument :
MSVOA_U
ClientSampleId :

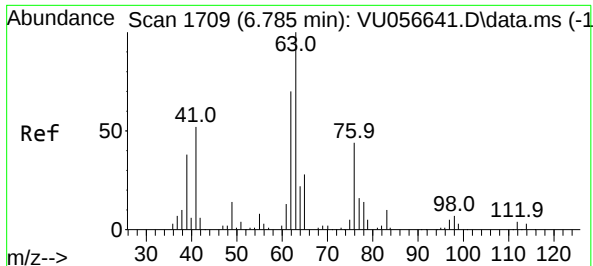
Tgt Ion: 95 Resp: 103302
Ion Ratio Lower Upper
95 100
97 64.8 46.5 86.3
132 87.5 62.0 115.2
130 93.5 66.3 123.1



#35
Methylcyclohexane
Concen: 4.243 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

Tgt Ion: 83 Resp: 117634
Ion Ratio Lower Upper
83 100
55 80.8 62.9 94.3
98 45.3 35.3 52.9

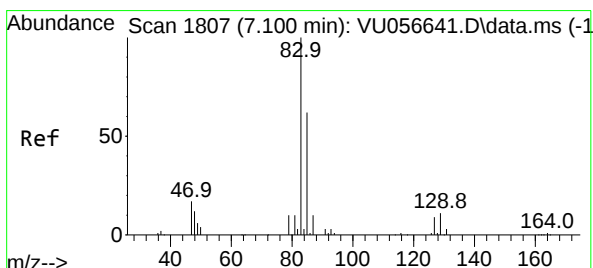
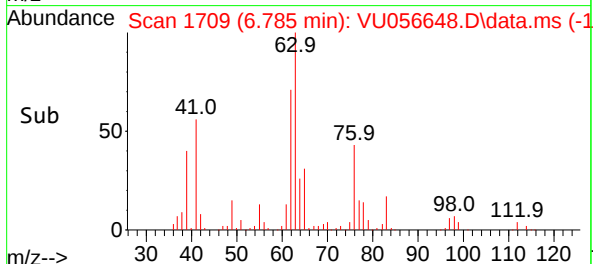
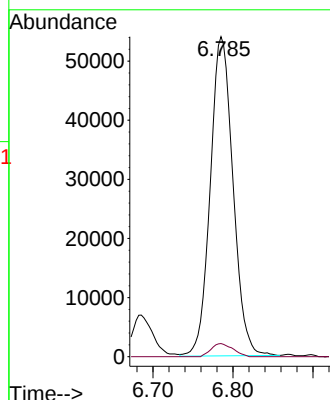
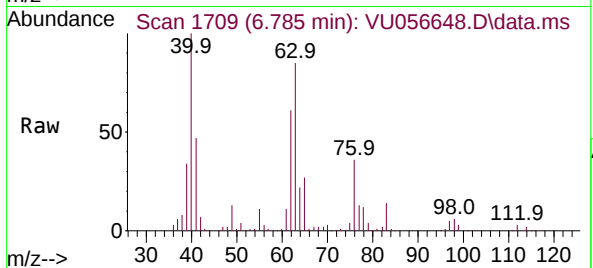




#37
1,2-Dichloropropane
Concen: 5.810 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

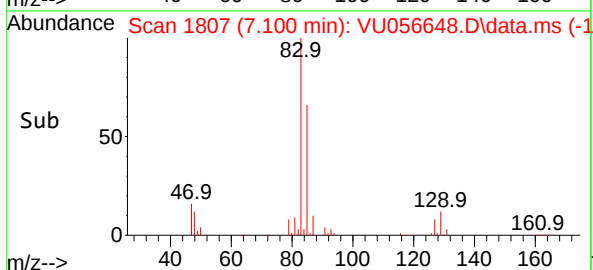
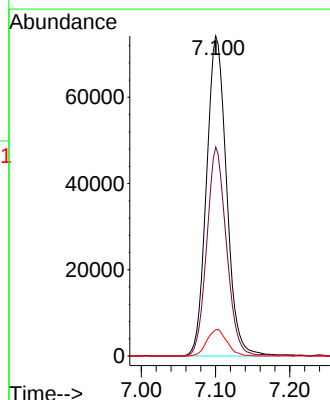
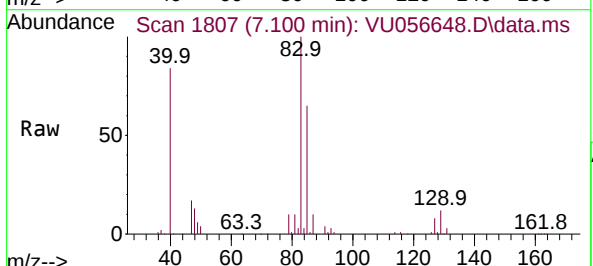
Instrument :
MSVOA_U
ClientSampleId :

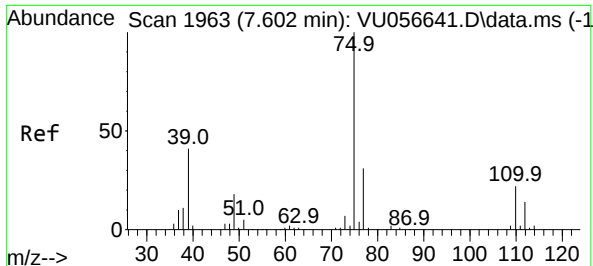
Tgt Ion: 63 Resp: 106780
Ion Ratio Lower Upper
63 100
112 3.9 3.2 4.8



#38
Bromodichloromethane
Concen: 5.862 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

Tgt Ion: 83 Resp: 139077
Ion Ratio Lower Upper
83 100
85 65.3 44.9 83.5
127 8.1 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.700 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Instrument :

MSVOA_U

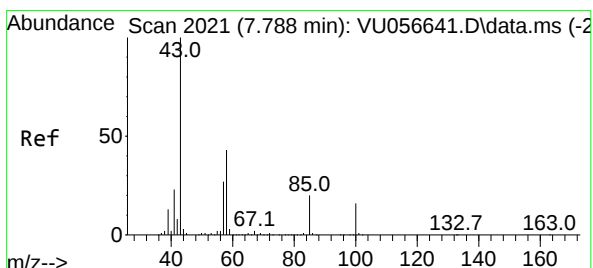
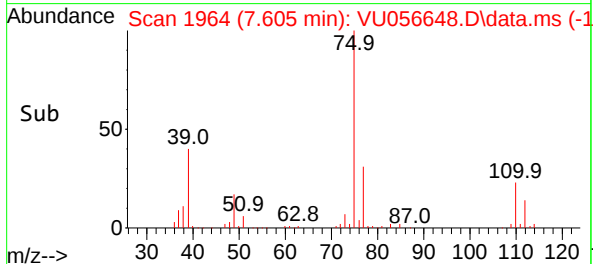
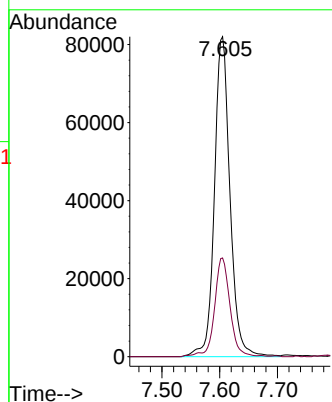
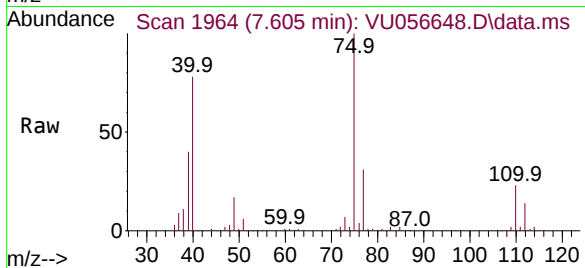
ClientSampleId :

Tgt Ion: 75 Resp: 153936

Ion Ratio Lower Upper

75 100

77 30.9 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 60.040 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

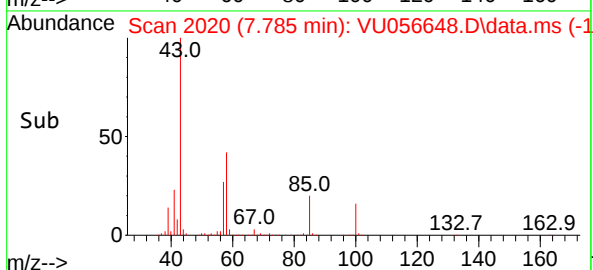
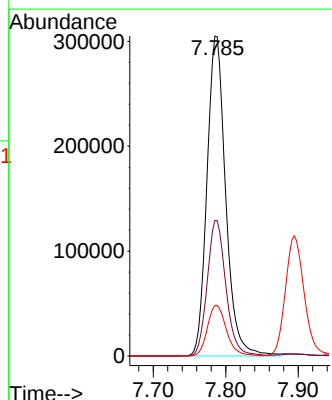
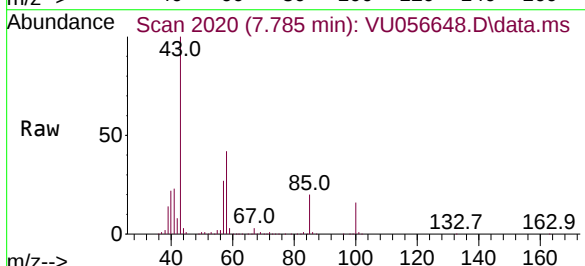
Tgt Ion: 43 Resp: 547013

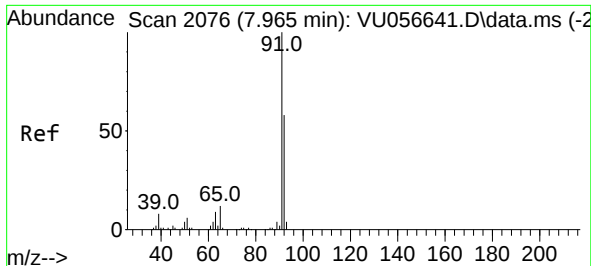
Ion Ratio Lower Upper

43 100

58 42.3 33.8 50.8

100 16.1 13.0 19.4





#42

Toluene

Concen: 5.540 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Instrument :

MSVOA_U

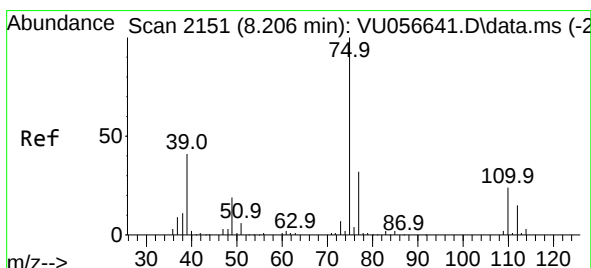
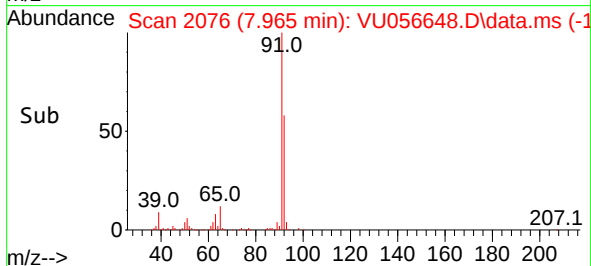
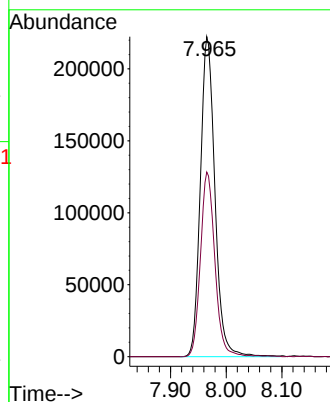
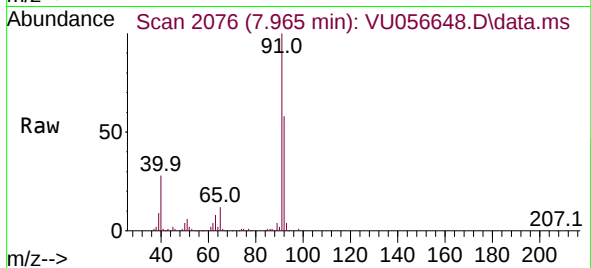
ClientSampleId :

Tgt Ion: 91 Resp: 404234

Ion Ratio Lower Upper

91 100

92 57.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.658 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056648.D

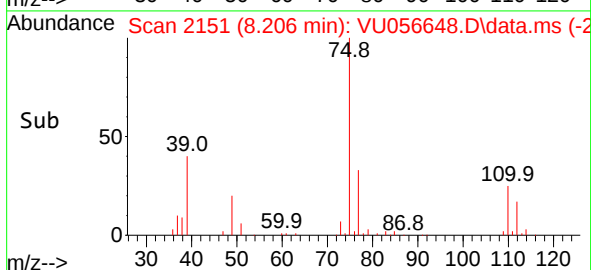
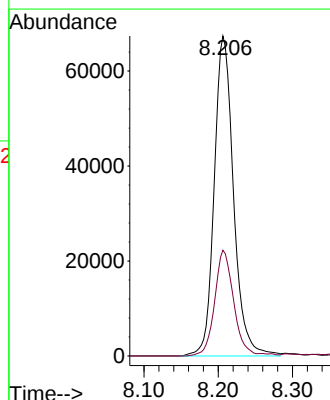
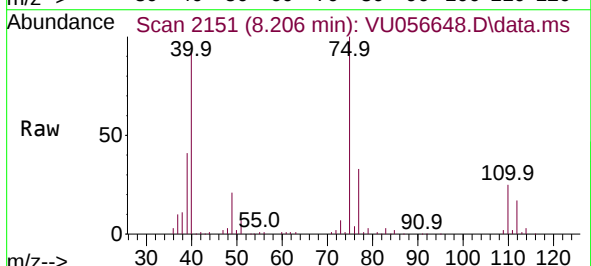
Acq: 30 Nov 2023 16:13

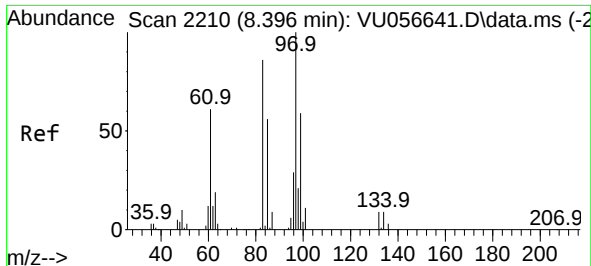
Tgt Ion: 75 Resp: 121818

Ion Ratio Lower Upper

75 100

77 33.1 22.8 42.4

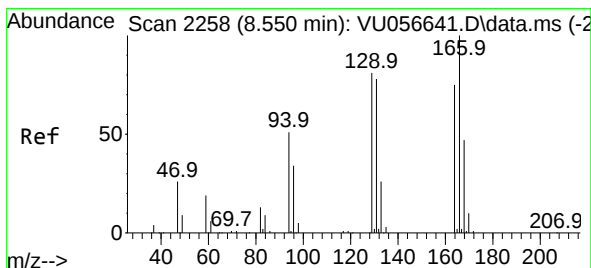
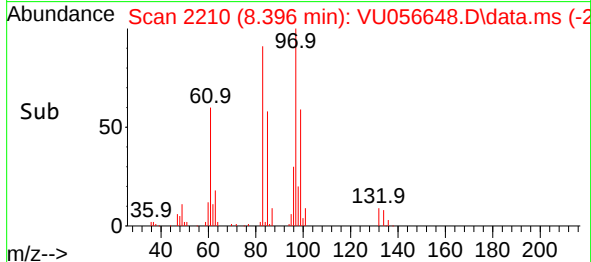
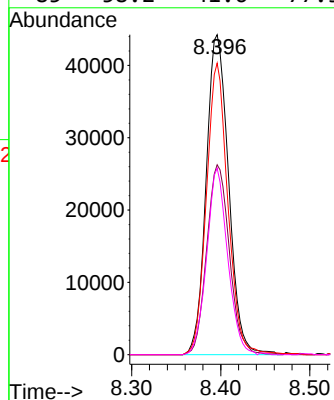
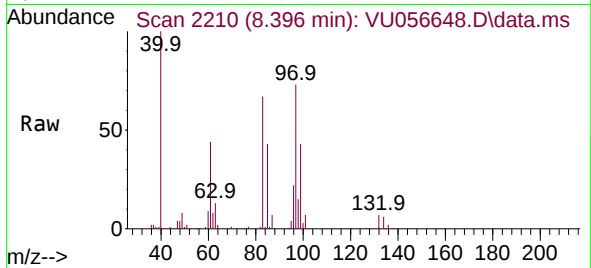




#45
1,1,2-Trichloroethane
Concen: 6.332 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

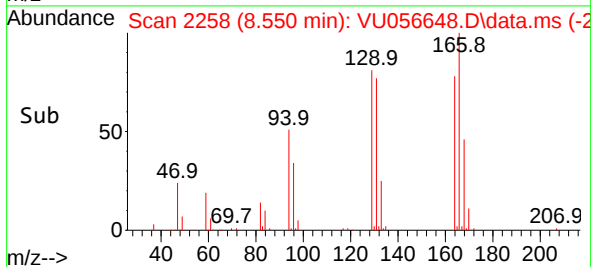
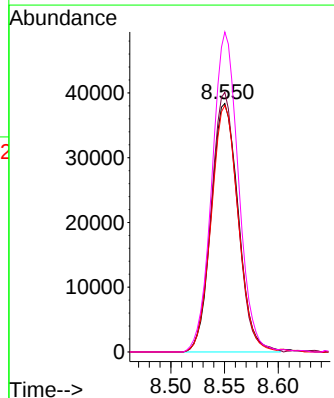
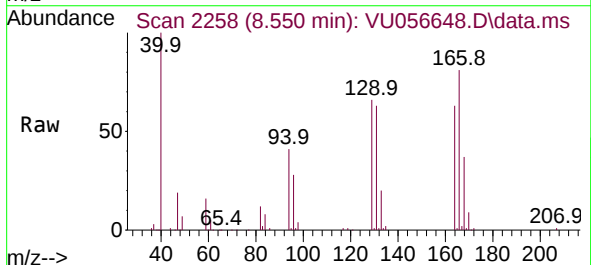
Instrument :
MSVOA_U
ClientSampleId :

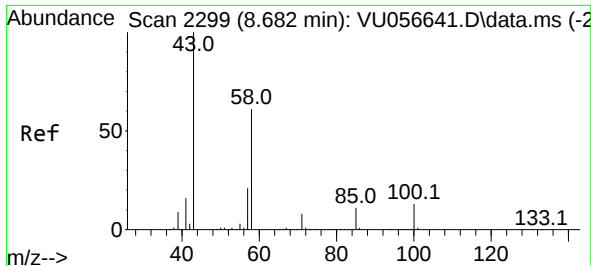
Tgt Ion:	97	Resp:	77510
Ion	Ratio	Lower	Upper
97	100		
99	59.4	44.3	82.3
83	91.1	65.4	121.4
85	58.2	41.6	77.3



#47
Tetrachloroethene
Concen: 5.213 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

Tgt Ion:	164	Resp:	67503
Ion	Ratio	Lower	Upper
164	100		
129	104.5	71.0	131.9
131	99.2	70.3	130.7
166	128.8	89.8	166.8

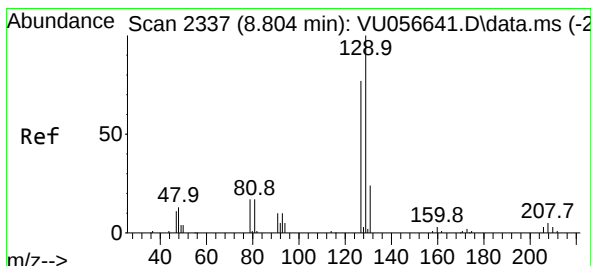
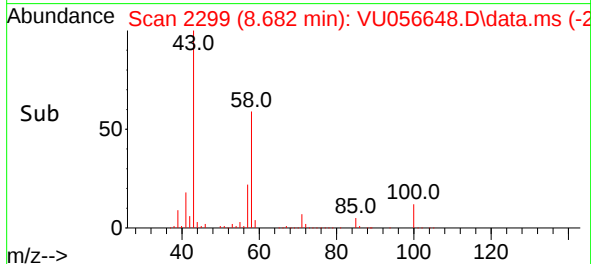
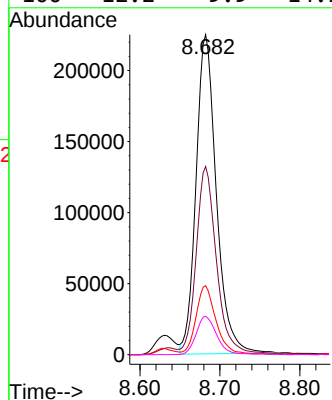
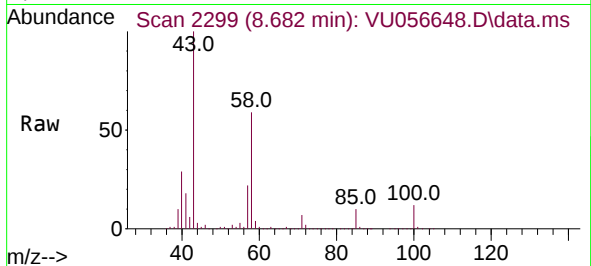




#48
2-Hexanone
Concen: 56.098 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

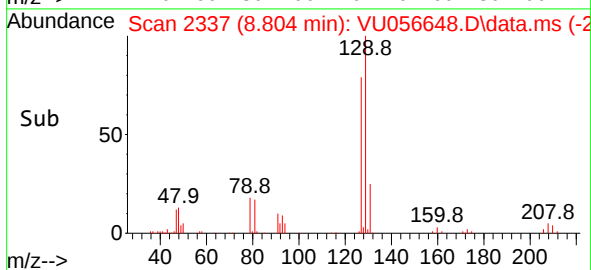
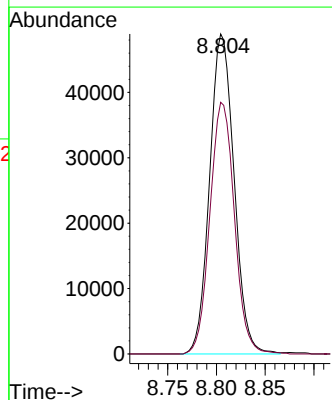
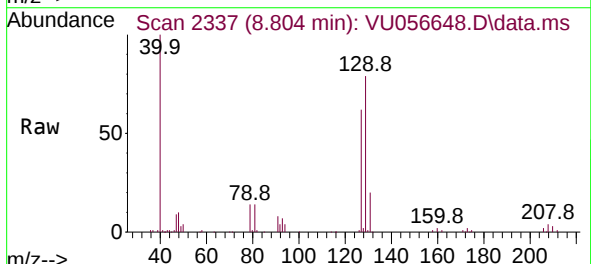
Instrument :
MSVOA_U
ClientSampleId :

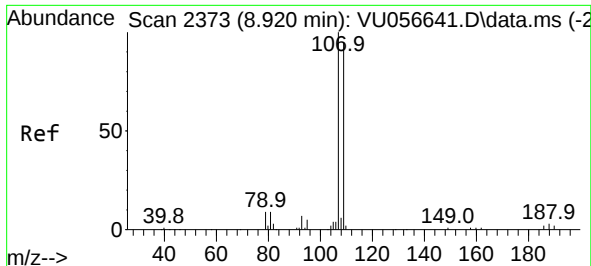
Tgt Ion: 43	Resp: 398169
Ion Ratio	Lower Upper
43 100	
58 58.8	48.7 73.1
57 21.1	16.8 25.2
100 12.2	9.9 14.9



#49
Dibromochloromethane
Concen: 6.139 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

Tgt Ion:129	Resp: 85450		
Ion Ratio	Lower	Upper	
129 100			
127 78.6	52.9	98.3	





#50

1,2-Dibromoethane

Concen: 5.860 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

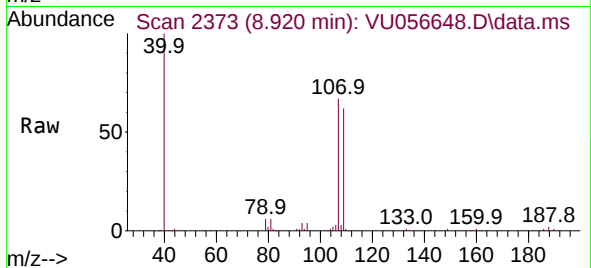
Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Instrument :

MSVOA_U

ClientSampleId :



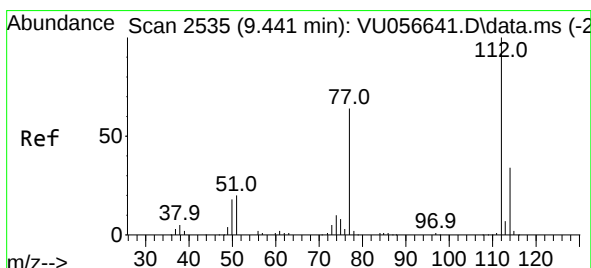
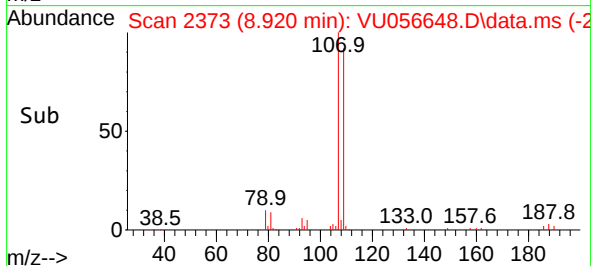
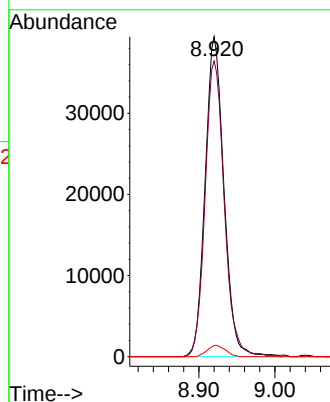
Tgt Ion:107 Resp: 67723

Ion Ratio Lower Upper

107 100

109 92.4 64.2 119.2

188 3.5 2.6 4.0



#51

Chlorobenzene

Concen: 5.613 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

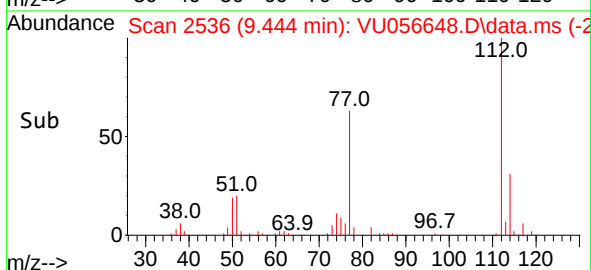
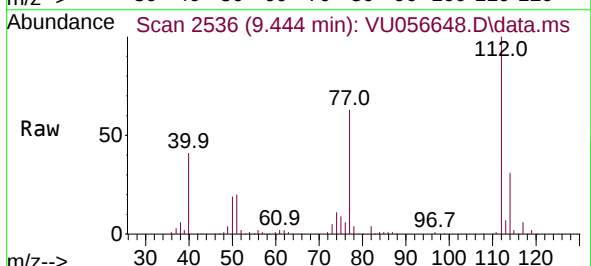
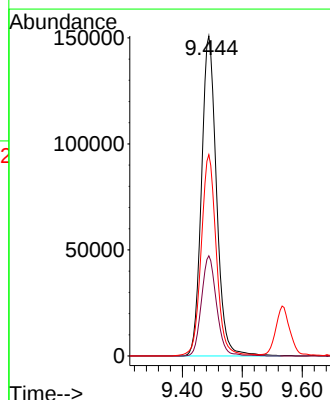
Tgt Ion:112 Resp: 263184

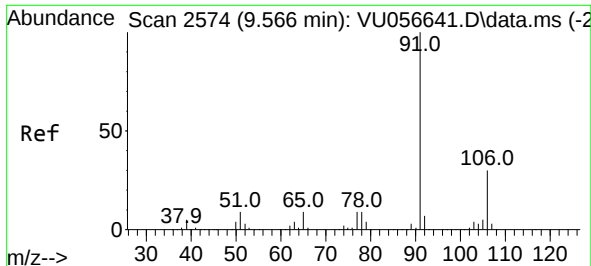
Ion Ratio Lower Upper

112 100

114 31.3 22.5 41.7

77 62.9 51.7 77.5

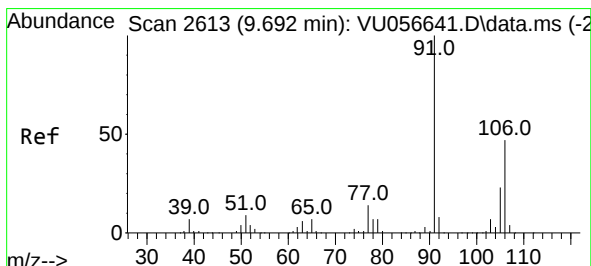
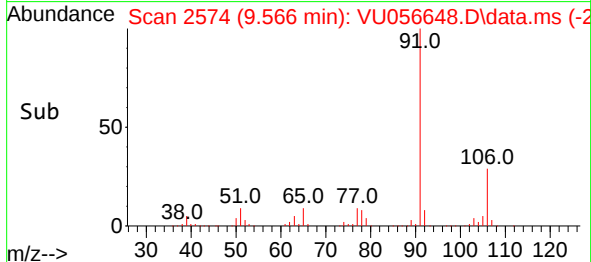
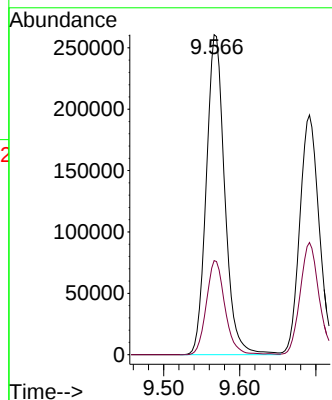
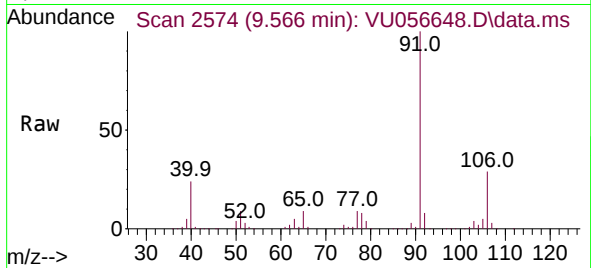




#52
Ethylbenzene
Concen: 5.424 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

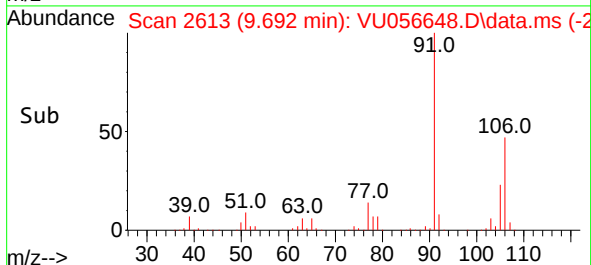
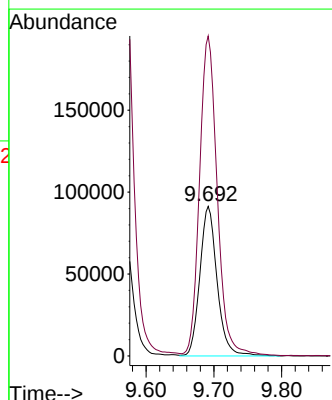
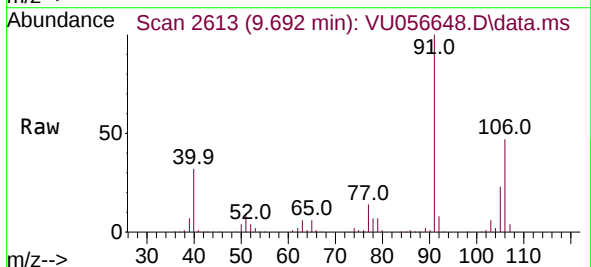
Instrument :
MSVOA_U
ClientSampleId :

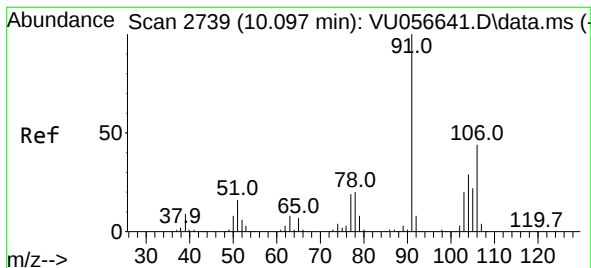
Tgt Ion: 91 Resp: 439510
Ion Ratio Lower Upper
91 100
106 29.4 21.1 39.1



#53
m,p-Xylene
Concen: 5.429 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

Tgt Ion:106 Resp: 161723
Ion Ratio Lower Upper
106 100
91 213.8 149.6 277.8





#54

o-Xylene

Concen: 5.534 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Instrument :

MSVOA_U

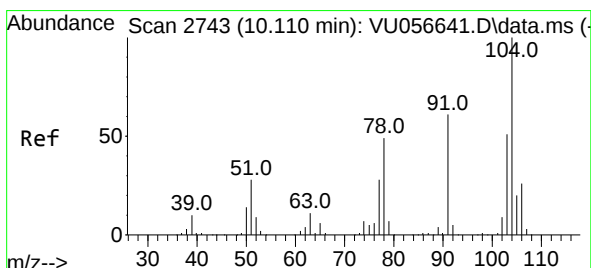
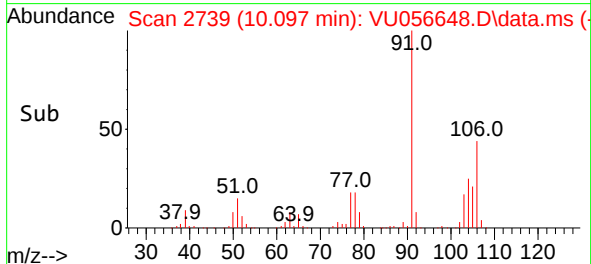
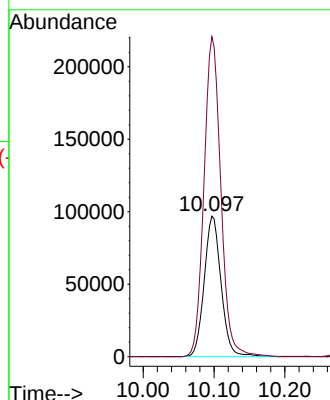
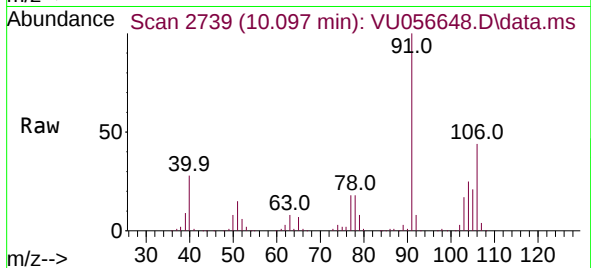
ClientSampleId :

Tgt Ion:106 Resp: 160127

Ion Ratio Lower Upper

106 100

91 227.8 159.3 295.9



#55

Styrene

Concen: 5.791 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VU056648.D

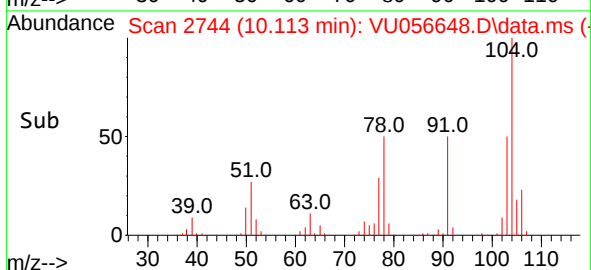
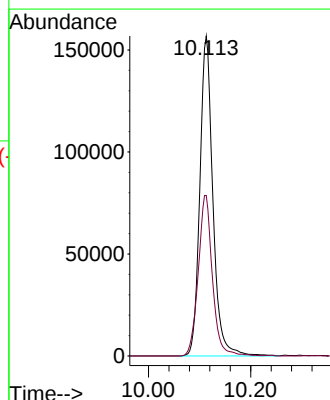
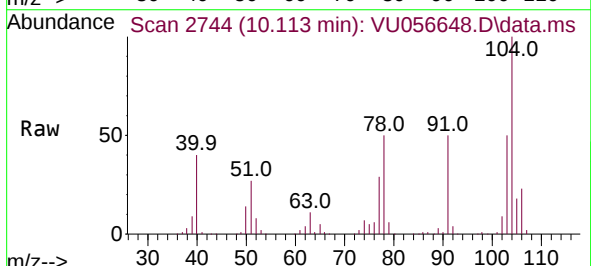
Acq: 30 Nov 2023 16:13

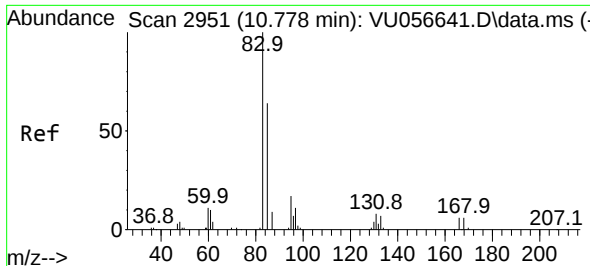
Tgt Ion:104 Resp: 278702

Ion Ratio Lower Upper

104 100

78 50.1 34.2 63.6

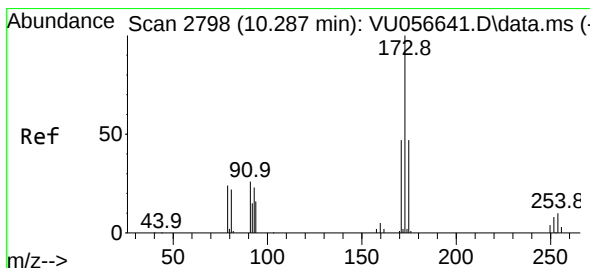
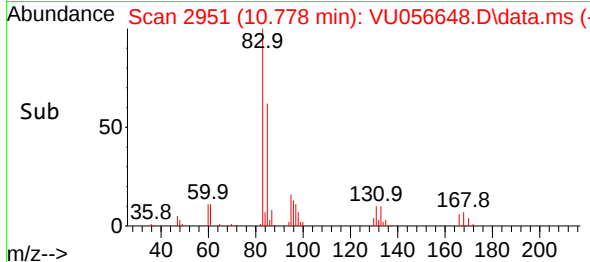
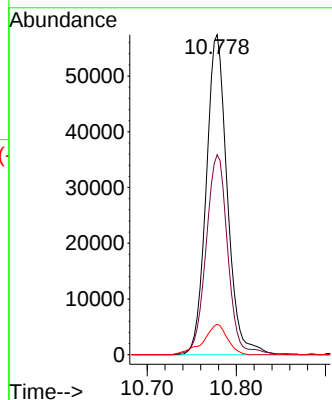
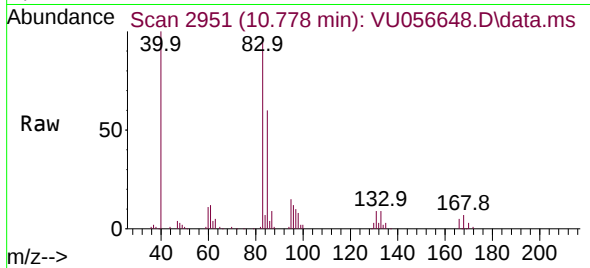




#57
1,1,2,2-Tetrachloroethane
Concen: 6.279 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

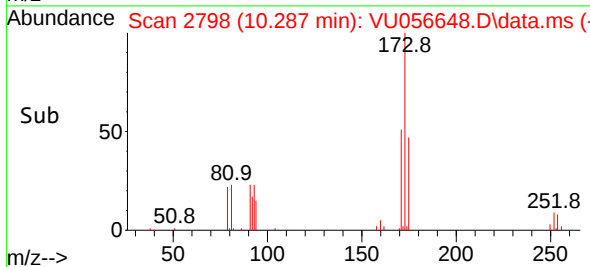
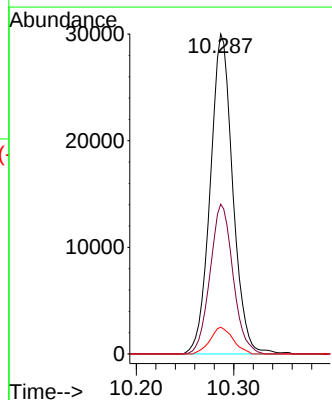
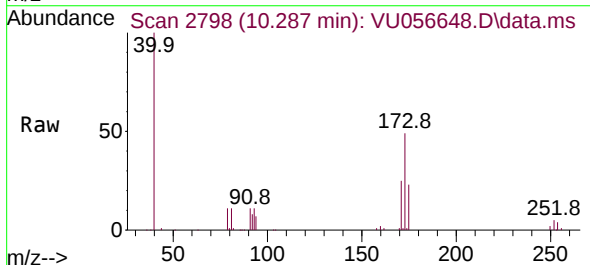
Instrument :
MSVOA_U
ClientSampleId :

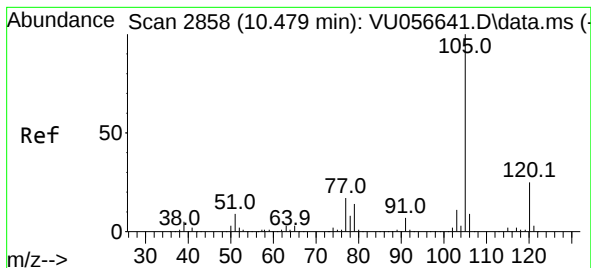
Tgt Ion: 83 Resp: 93843
Ion Ratio Lower Upper
83 100
85 62.5 46.3 86.1
131 9.5 6.7 10.1



#59
Bromoform
Concen: 6.095 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

Tgt Ion:173 Resp: 48204
Ion Ratio Lower Upper
173 100
175 47.6 38.9 58.3
254 8.5 6.7 10.1





#60

Isopropylbenzene

Concen: 5.211 ug/L

RT: 10.483 min Scan# 2858

Delta R.T. 0.003 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Instrument :

MSVOA_U

ClientSampleId :

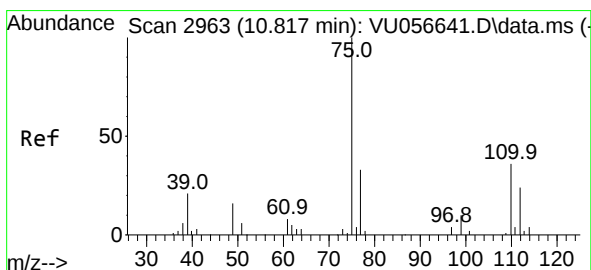
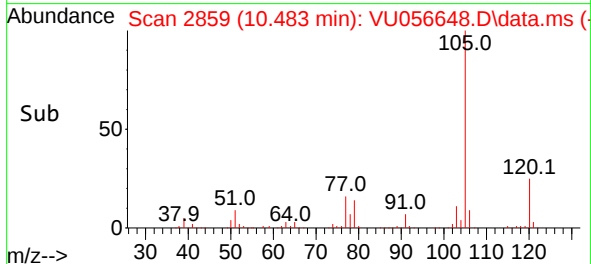
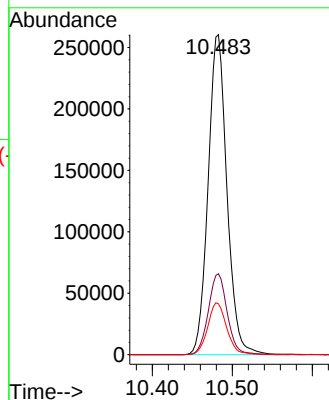
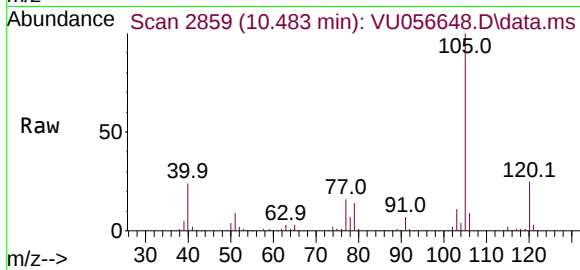
Tgt Ion:105 Resp: 426643

Ion Ratio Lower Upper

105 100

120 25.4 20.4 30.6

77 16.4 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.854 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

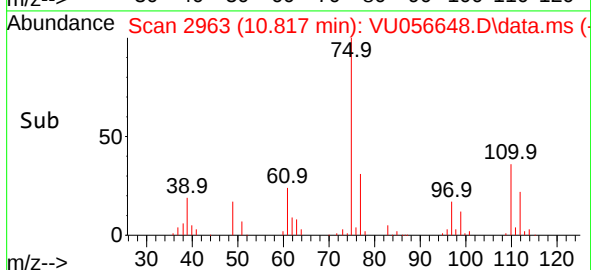
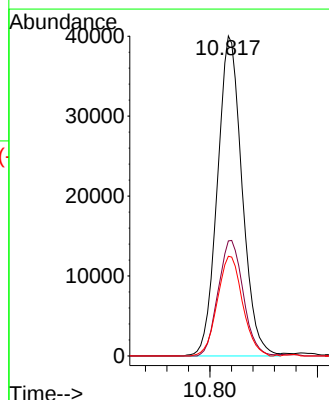
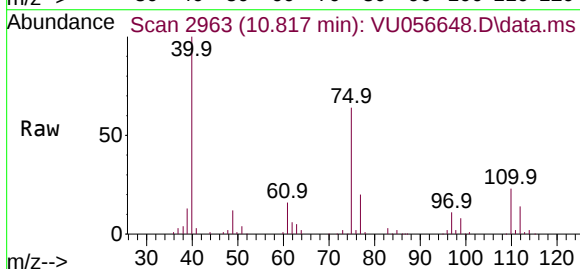
Tgt Ion: 75 Resp: 63773

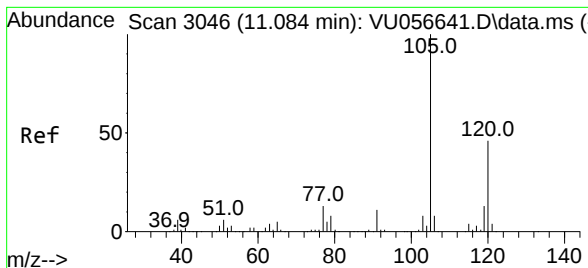
Ion Ratio Lower Upper

75 100

110 36.6 30.4 45.6

77 31.9 27.0 40.6





#62

1,3,5-Trimethylbenzene

Concen: 5.215 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Instrument :

MSVOA_U

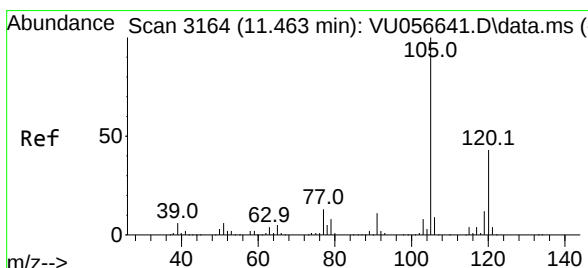
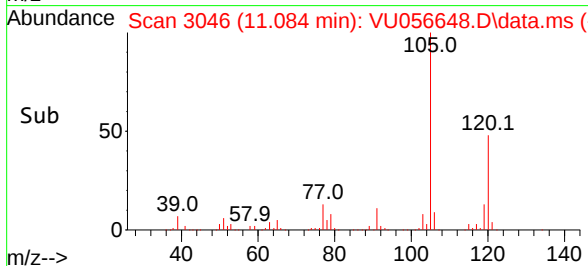
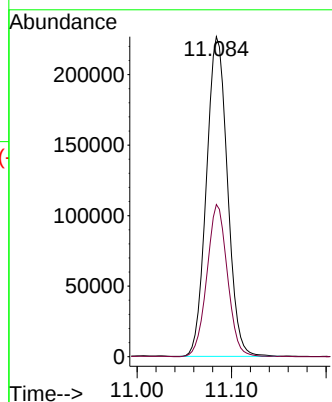
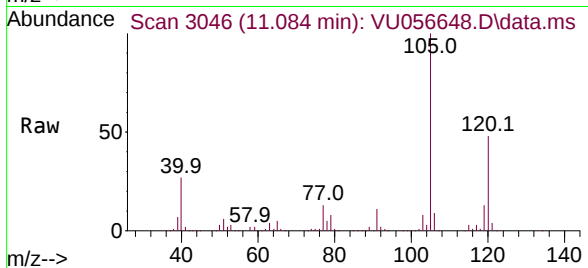
ClientSampleId :

Tgt Ion:105 Resp: 350604

Ion Ratio Lower Upper

105 100

120 46.6 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 5.351 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU056648.D

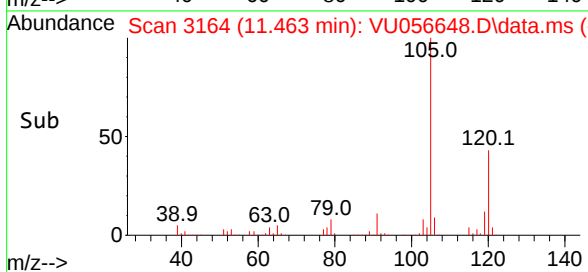
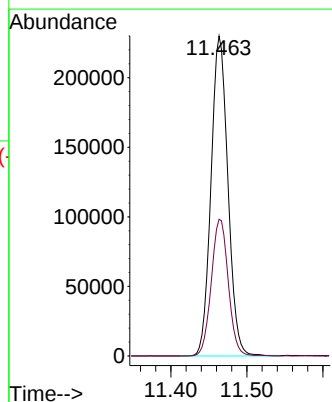
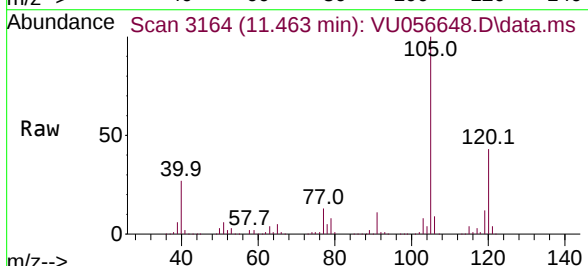
Acq: 30 Nov 2023 16:13

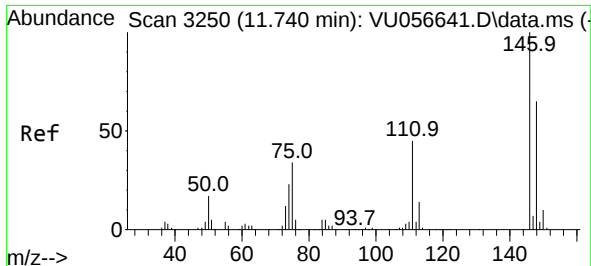
Tgt Ion:105 Resp: 355086

Ion Ratio Lower Upper

105 100

120 42.9 34.0 51.0

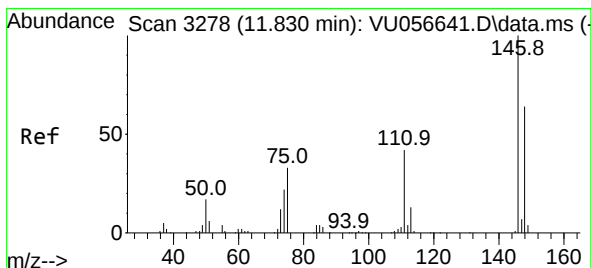
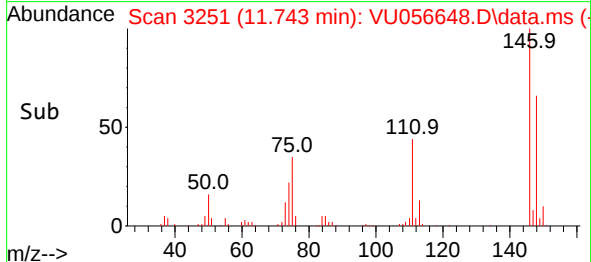
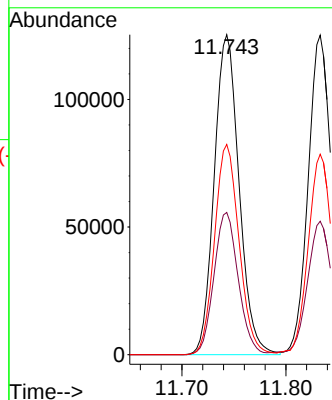
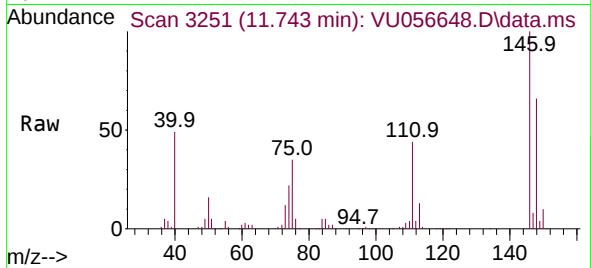




#64
1,3-Dichlorobenzene
Concen: 5.590 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

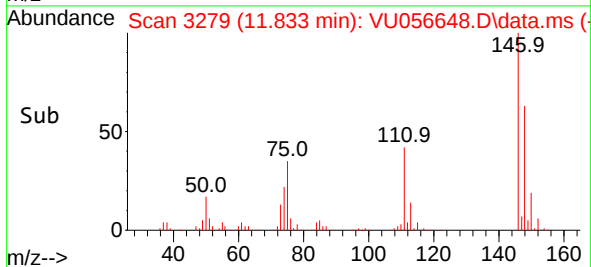
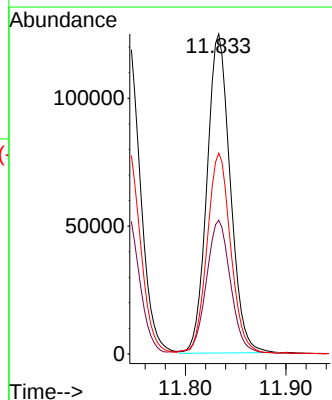
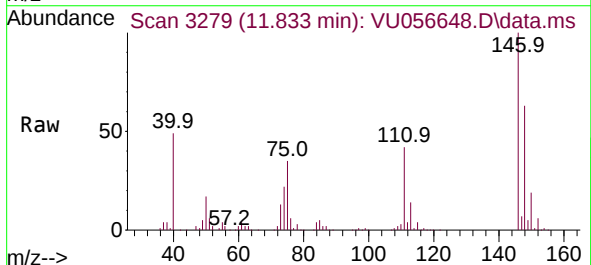
Instrument :
MSVOA_U
ClientSampleId :

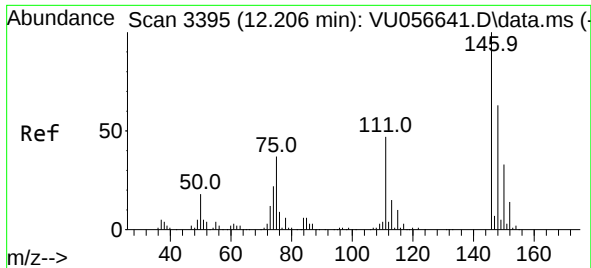
Tgt Ion:146 Resp: 208196
Ion Ratio Lower Upper
146 100
111 44.4 31.1 57.7
148 65.7 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 5.373 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

Tgt Ion:146 Resp: 200745
Ion Ratio Lower Upper
146 100
111 41.8 30.5 56.7
148 62.8 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.581 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Instrument :

MSVOA_U

ClientSampleId :

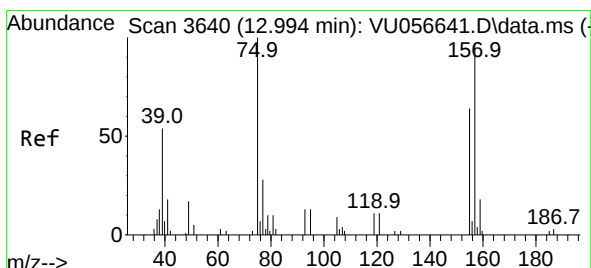
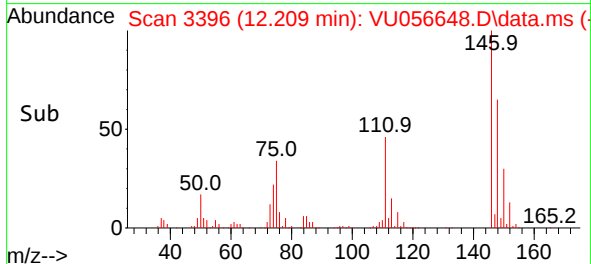
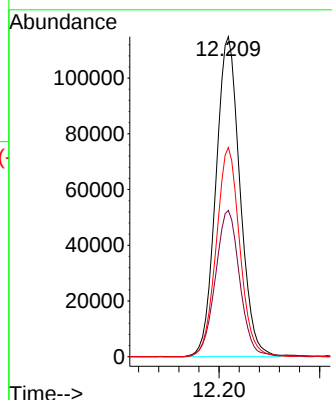
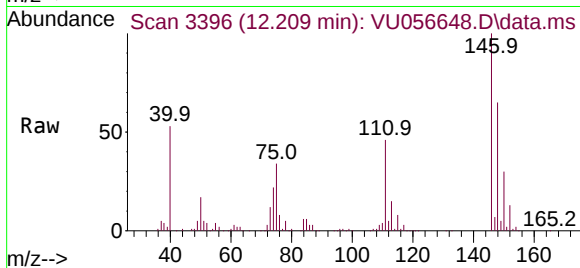
Tgt Ion:146 Resp: 190719

Ion Ratio Lower Upper

146 100

111 45.7 38.3 57.5

148 65.3 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.614 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

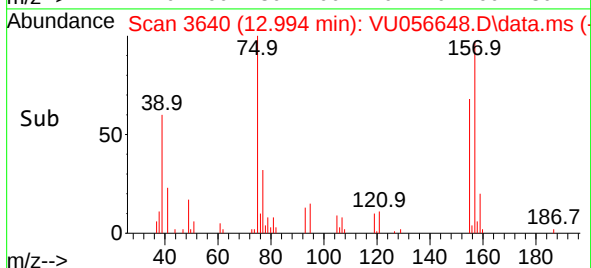
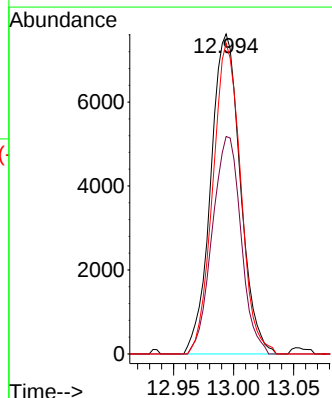
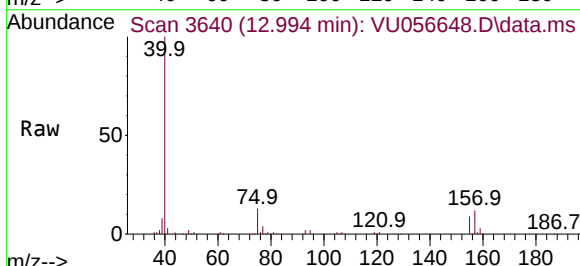
Tgt Ion: 75 Resp: 13063

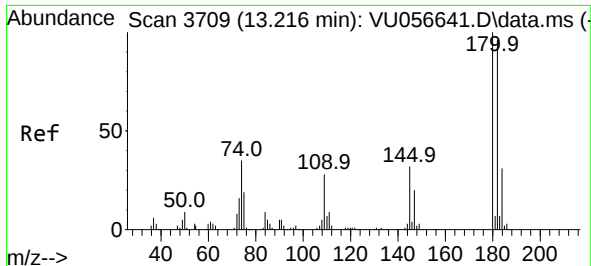
Ion Ratio Lower Upper

75 100

155 67.9 62.4 93.6

157 97.1 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 5.411 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 151751

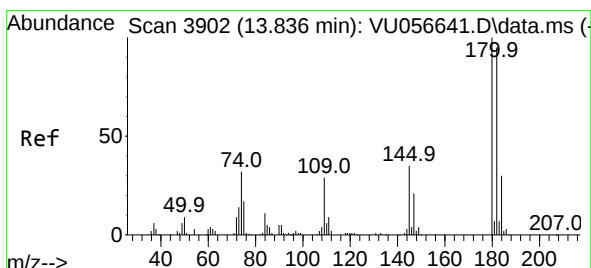
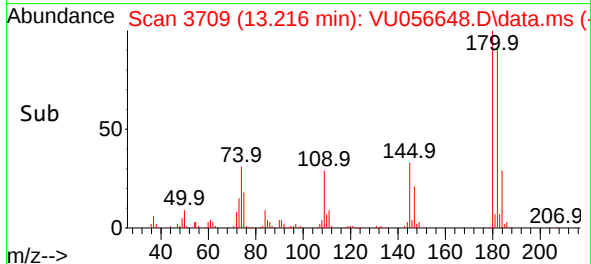
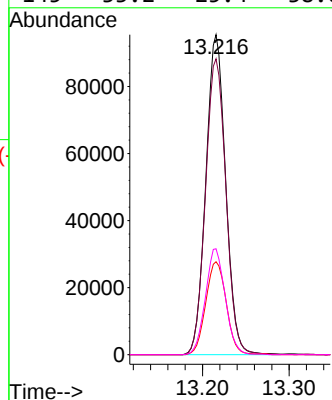
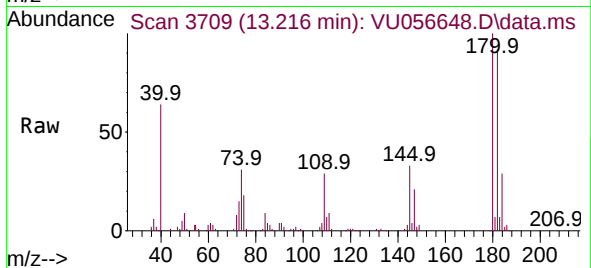
Ion Ratio Lower Upper

180 100

182 95.4 75.1 112.7

184 30.1 23.5 35.3

145 33.2 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 5.104 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU056648.D

Acq: 30 Nov 2023 16:13

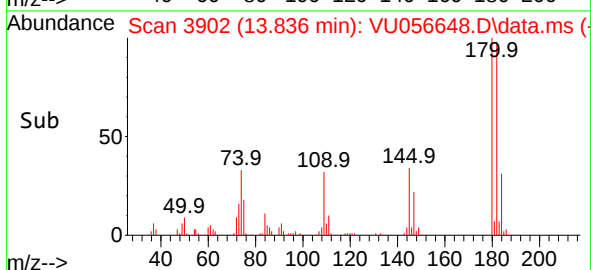
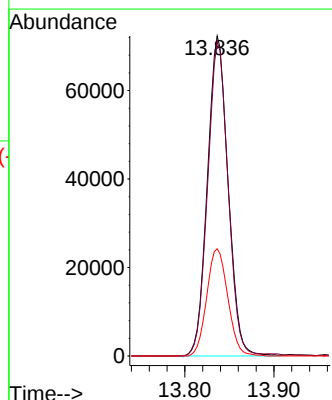
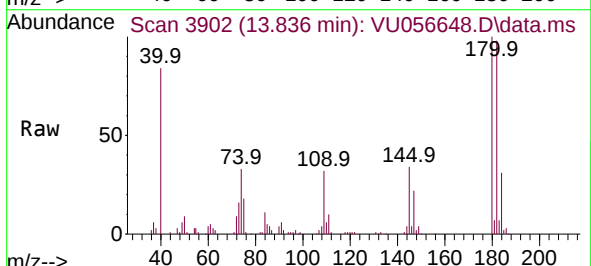
Tgt Ion:180 Resp: 116579

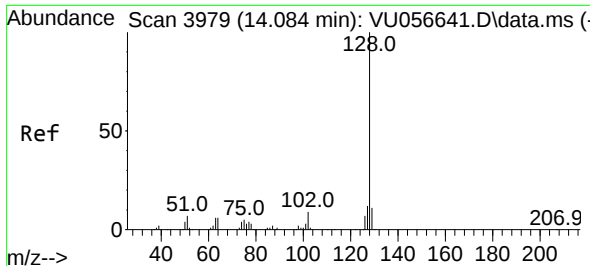
Ion Ratio Lower Upper

180 100

182 97.0 75.4 113.2

145 34.0 26.8 40.2

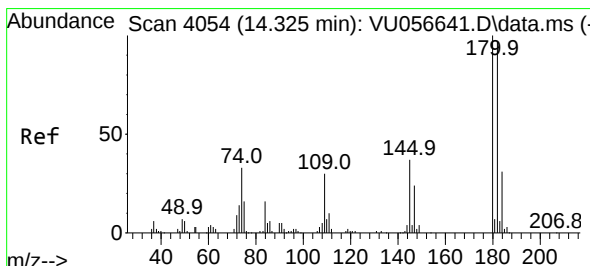
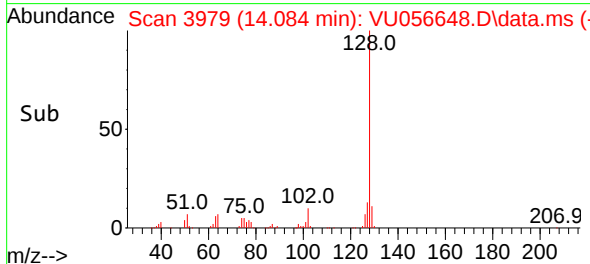
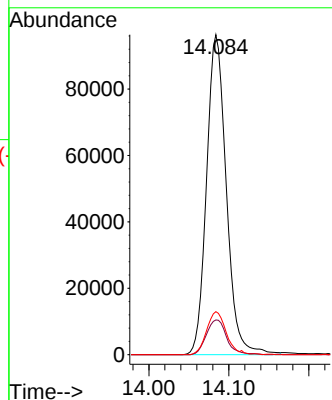
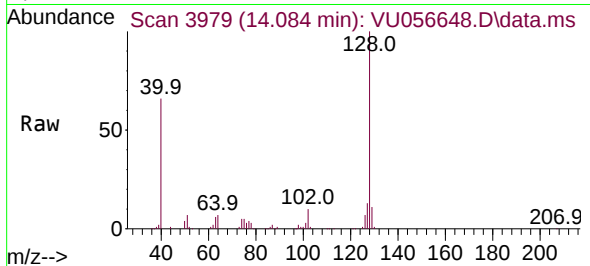




#71
Naphthalene
Concen: 4.809 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 165956
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 13.3 10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 5.234 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU056648.D
Acq: 30 Nov 2023 16:13

Tgt Ion:180 Resp: 98479
Ion Ratio Lower Upper
180 100
182 94.6 78.6 117.8
145 35.1 29.0 43.6

