

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110123\
 Data File : VU056033.D
 Acq On : 01 Nov 2023 09:59
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 02 02:04:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 01 01:09:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	348293	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	334748	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	161022	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	119890	4.351	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.000%
7) Chloroethane-d5	1.914	69	95321	4.438	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.800%
11) 1,1-Dichloroethene-d2	2.567	65	53200	4.548	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.000%
20) 2-Butanone-d5	4.637	46	220631	44.888	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.780%
24) Chloroform-d	5.062	84	229080	4.487	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.701	65	103226	4.150	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.000%
32) Benzene-d6	5.724	84	456889	4.582	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.689	67	135328	4.578	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.894	98	416553	4.605	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	8.177	79	52498	4.541	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.800%
46) 2-Hexanone-d5	8.634	63	181133	61.720	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.440%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	97916	4.549	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	134286	4.470	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.387	85	92747	4.672	ug/L	99
3) Chloromethane	1.518	50	79276	4.183	ug/L	96
5) Vinyl chloride	1.605	62	91802	4.398	ug/L	98
6) Bromomethane	1.859	94	58338	4.511	ug/L	99
8) Chloroethane	1.936	64	59314	4.849	ug/L	100
9) Trichlorofluoromethane	2.139	101	143358	4.979	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	100447	5.311	ug/L	97
12) 1,1-Dichloroethene	2.579	96	85730	5.079	ug/L	91
13) Acetone	2.650	43	133483	47.657	ug/L	96
14) Carbon disulfide	2.795	76	188387	4.359	ug/L	100
15) Methyl Acetate	2.959	43	29608	5.189	ug/L	96
16) Methylene chloride	3.046	84	101711	5.318	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	210134	5.130	ug/L	98
18) trans-1,2-Dichloroethene	3.354	96	83773	5.005	ug/L	97
19) 1,1-Dichloroethane	3.869	63	176089	5.181	ug/L	100
21) 2-Butanone	4.714	43	201260	48.880	ug/L	95
22) cis-1,2-Dichloroethene	4.666	96	103128	5.089	ug/L	93
23) Bromochloromethane	4.975	128	43909	5.318	ug/L	95
25) Chloroform	5.084	83	198522	5.448	ug/L	98

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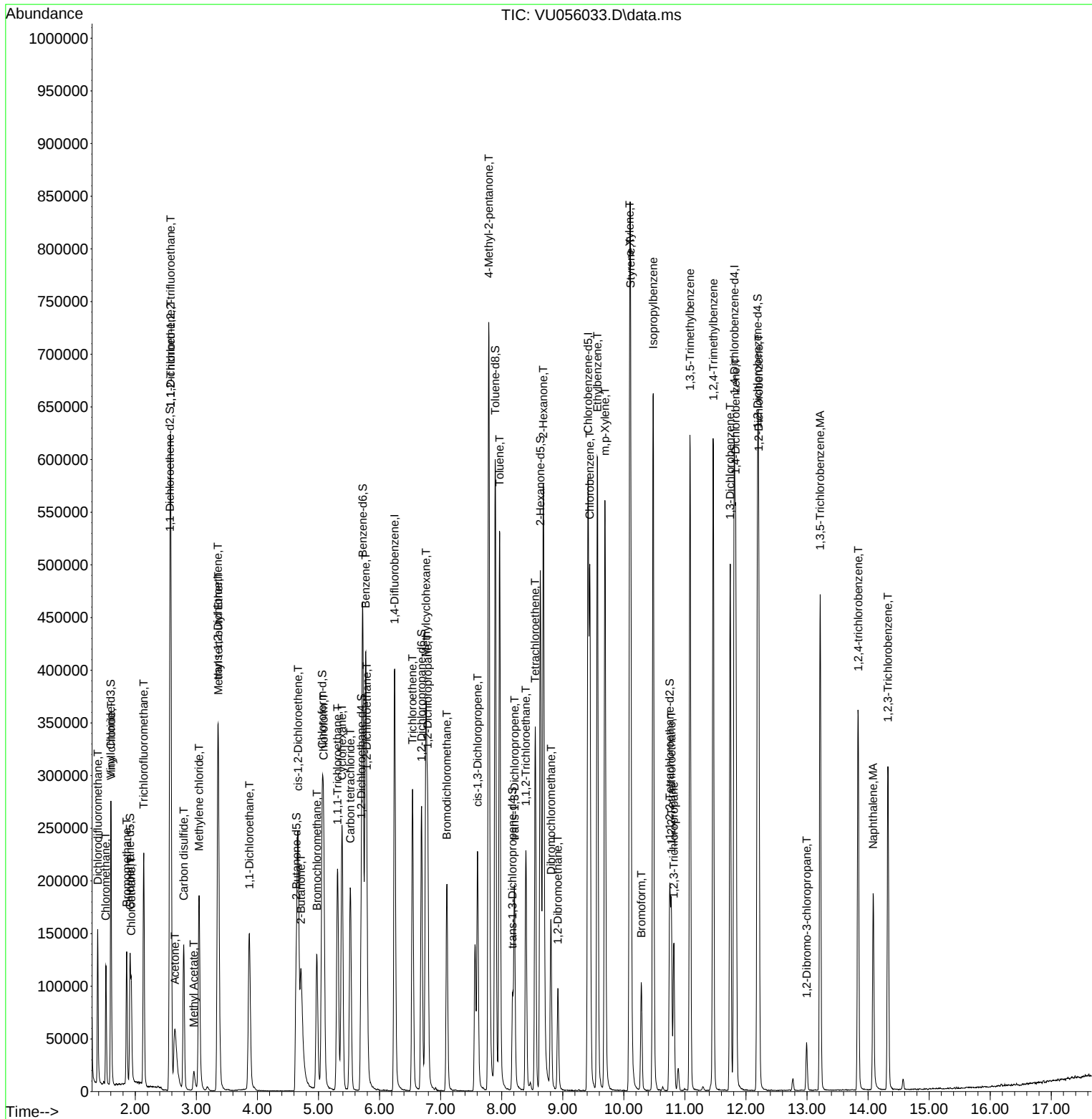
Instrument :
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 ClientSampleId :

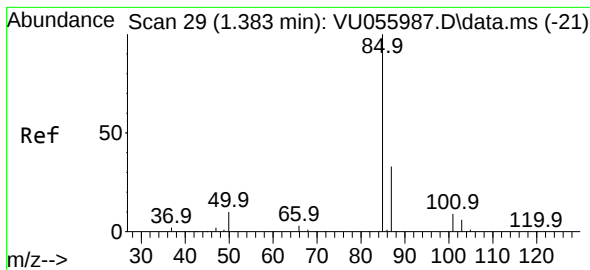
Quant Time: Nov 02 02:04:08 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	102083	4.768	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	158993	5.211	ug/L	98
30) Cyclohexane	5.386	56	125989	4.894	ug/L	98
31) Carbon tetrachloride	5.521	117	137454	5.282	ug/L	96
33) Benzene	5.772	78	387551	5.246	ug/L	100
34) Trichloroethene	6.541	95	105682	5.114	ug/L	98
35) Methylcyclohexane	6.763	83	140767	5.047	ug/L	97
37) 1,2-Dichloropropane	6.788	63	102894	5.246	ug/L	100
38) Bromodichloromethane	7.103	83	133870	5.436	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	145438	5.205	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	483815	51.168	ug/L	97
42) Toluene	7.965	91	410741	5.320	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	120999	5.364	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	74384	5.393	ug/L	96
47) Tetrachloroethene	8.550	164	76496	5.286	ug/L	97
48) 2-Hexanone	8.682	43	370093	49.781	ug/L	99
49) Dibromochloromethane	8.807	129	85963	5.678	ug/L	100
50) 1,2-Dibromoethane	8.920	107	67198	5.370	ug/L	100
51) Chlorobenzene	9.444	112	270452	5.345	ug/L	99
52) Ethylbenzene	9.566	91	449016	5.131	ug/L	98
53) m,p-Xylene	9.692	106	164967	5.044	ug/L	99
54) o-Xylene	10.097	106	166845	5.213	ug/L	99
55) Styrene	10.113	104	278355	5.426	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	87620	5.488	ug/L	99
59) Bromoform	10.287	173	48079	5.869	ug/L	98
60) Isopropylbenzene	10.483	105	454132	5.660	ug/L	98
61) 1,2,3-Trichloropropane	10.820	75	61375	5.552	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	354599	5.408	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	355320	5.833	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	210768	5.541	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	206694	5.445	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	195414	5.596	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	12615	6.395	ug/L	91
69) 1,3,5-Trichlorobenzene	13.216	180	151523	5.830	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	115011	5.987	ug/L	99
71) Naphthalene	14.084	128	159158	5.721	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	97230	5.870	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 4.672 ug/L

RT: 1.387 min Scan# 30

Delta R.T. 0.003 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Instrument :

MSVOA_U

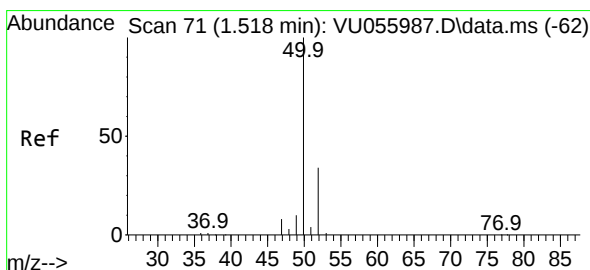
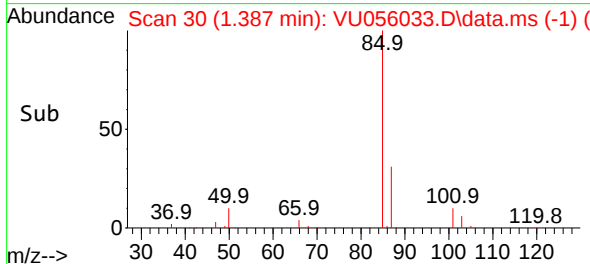
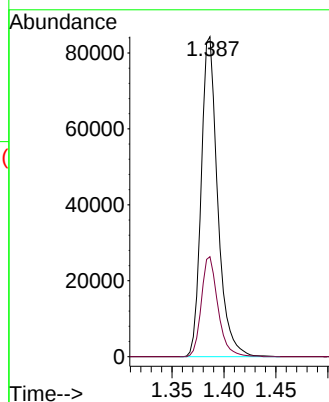
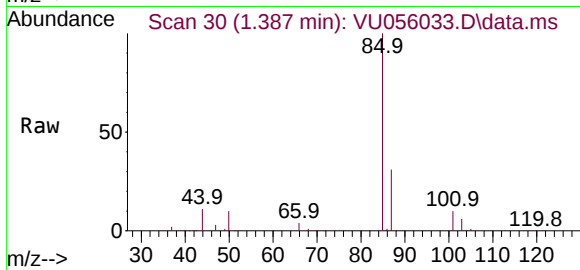
ClientSampleId :

Tgt Ion: 85 Resp: 92747

Ion Ratio Lower Upper

85 100

87 31.6 25.0 37.4



#3

Chloromethane

Concen: 4.183 ug/L

RT: 1.518 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU056033.D

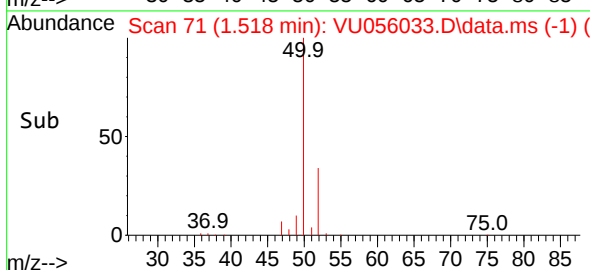
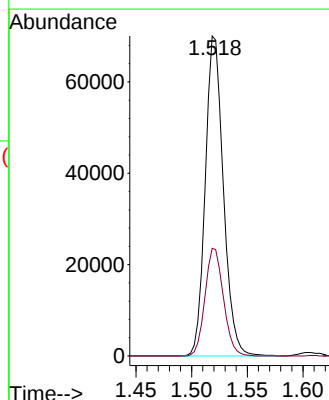
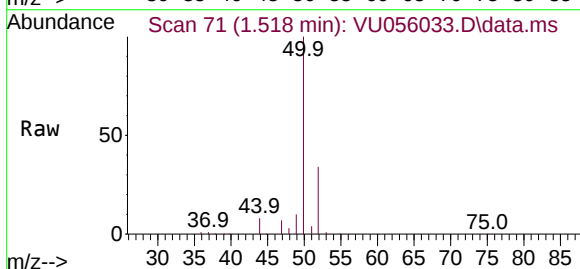
Acq: 01 Nov 2023 09:59

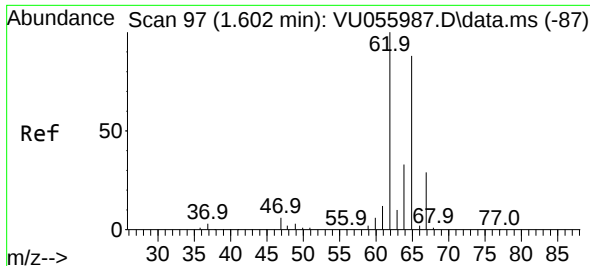
Tgt Ion: 50 Resp: 79276

Ion Ratio Lower Upper

50 100

52 33.6 22.0 40.8

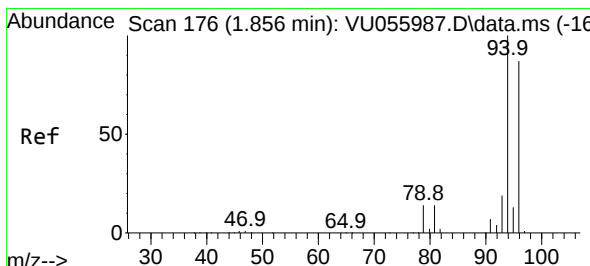
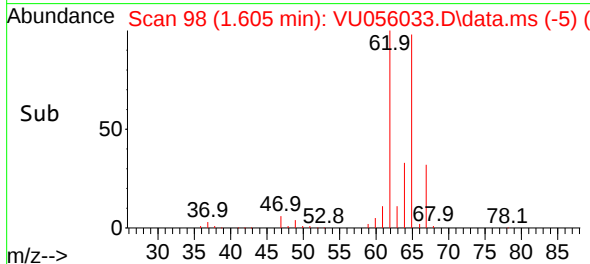
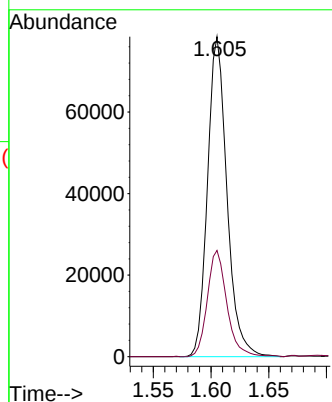
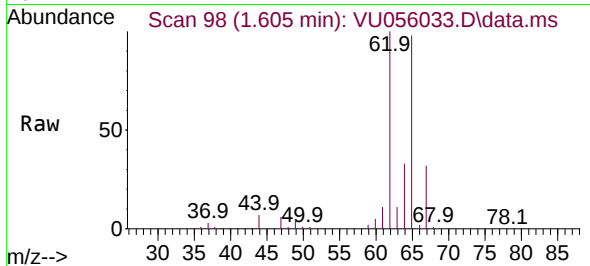




#5
Vinyl chloride
Concen: 4.398 ug/L
RT: 1.605 min Scan# 91
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

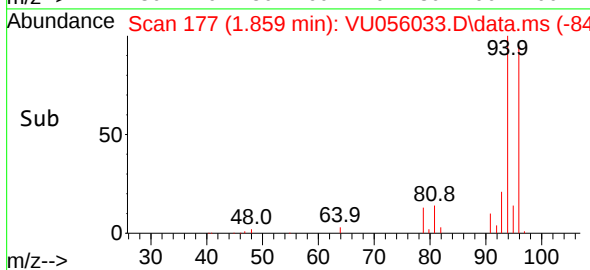
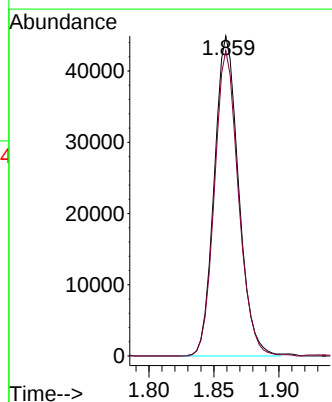
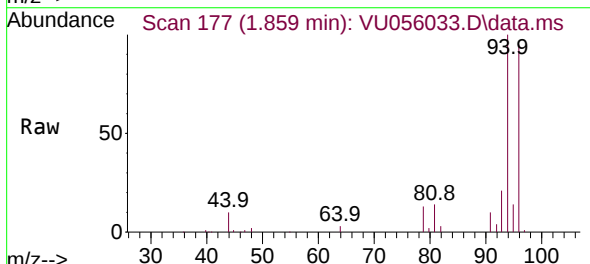
Instrument :
MSVOA_U
ClientSampleId :

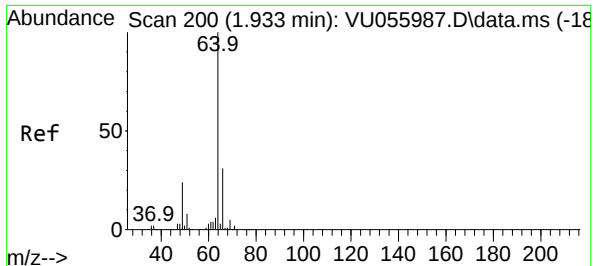
Tgt Ion: 62 Resp: 91802
Ion Ratio Lower Upper
62 100
64 33.2 24.2 45.0



#6
Bromomethane
Concen: 4.511 ug/L
RT: 1.859 min Scan# 177
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

Tgt Ion: 94 Resp: 58338
Ion Ratio Lower Upper
94 100
96 95.4 65.9 122.5





#8

Chloroethane

Concen: 4.849 ug/L

RT: 1.936 min Scan# 200

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Instrument :

MSVOA_U

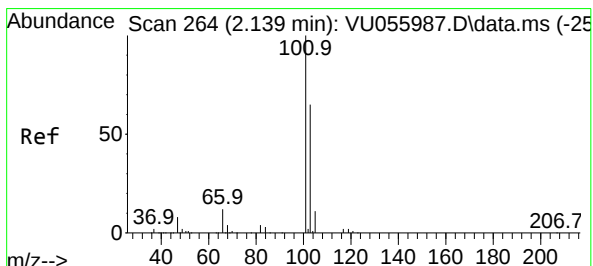
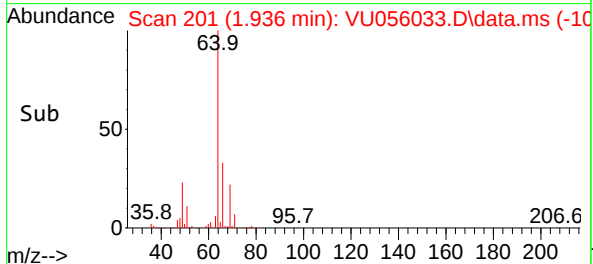
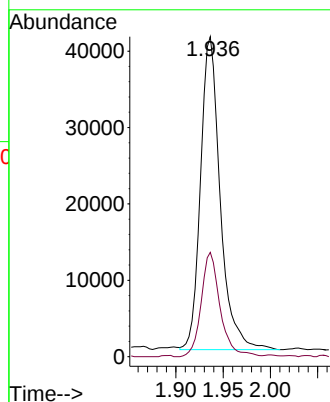
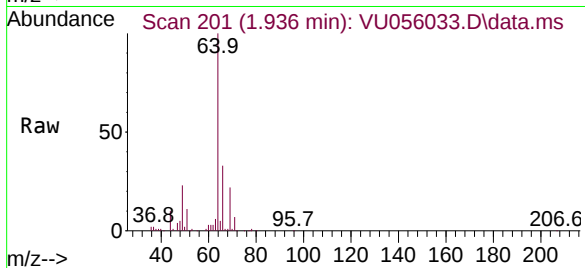
ClientSampleId :

Tgt Ion: 64 Resp: 59314

Ion Ratio Lower Upper

64 100

66 32.6 22.7 42.1



#9

Trichlorofluoromethane

Concen: 4.979 ug/L

RT: 2.139 min Scan# 264

Delta R.T. 0.000 min

Lab File: VU056033.D

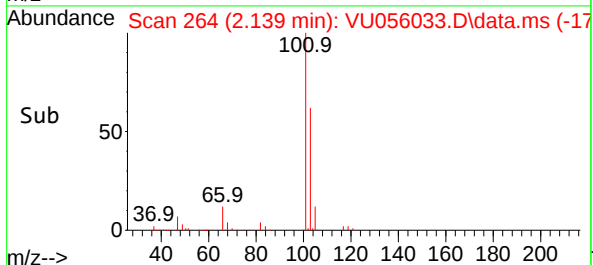
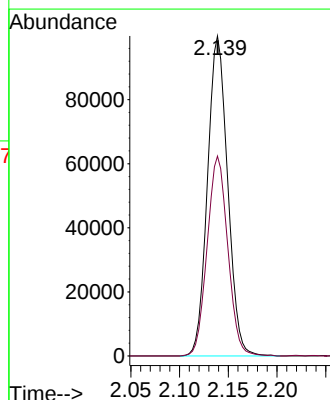
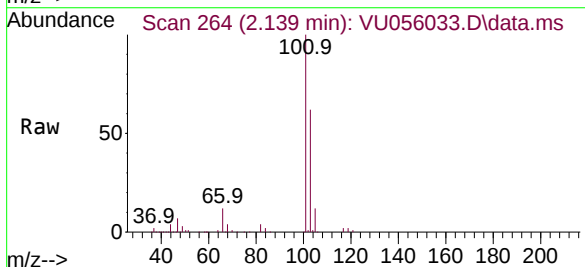
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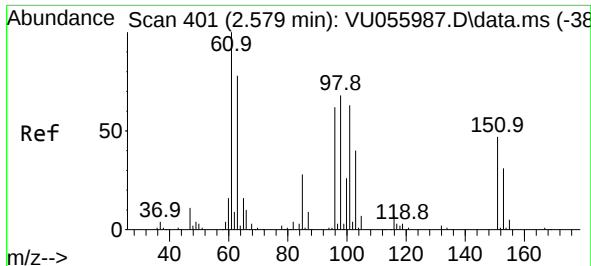
Tgt Ion: 101 Resp: 143358

Ion Ratio Lower Upper

101 100

103 64.0 52.2 78.2

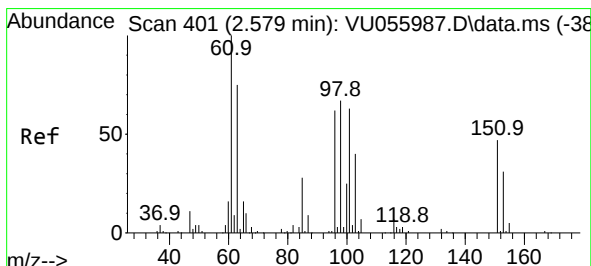
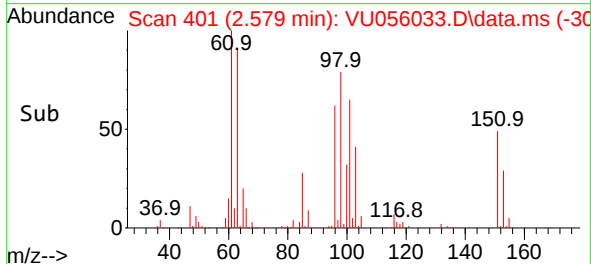
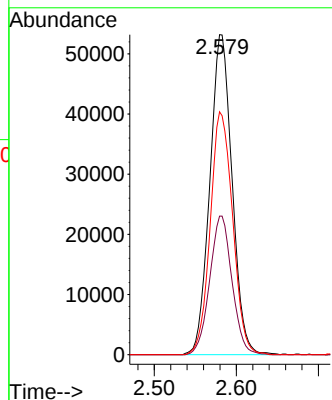
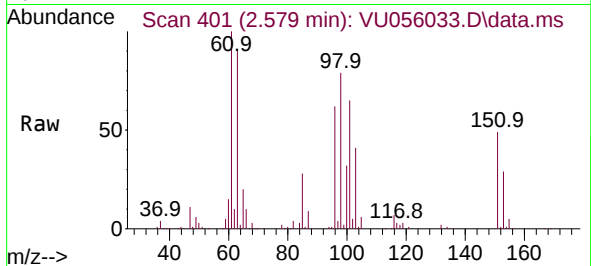




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.311 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU056033.D
 Acq: 01 Nov 2023 09:59

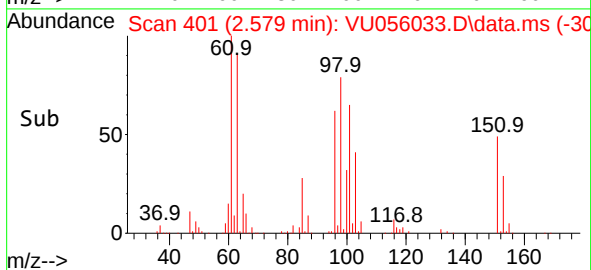
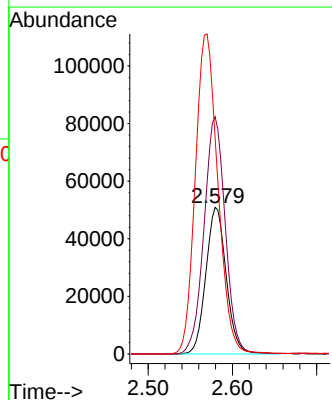
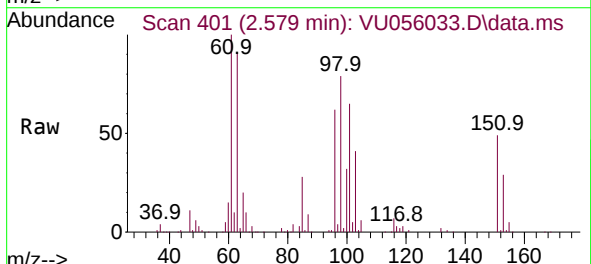
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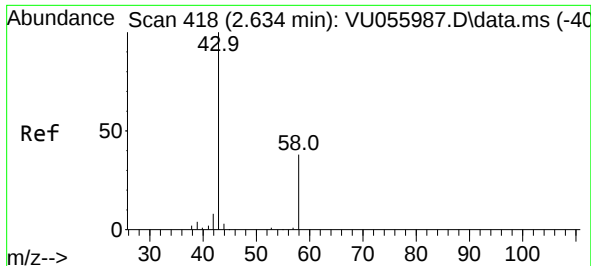
Tgt Ion:101 Resp: 100447
 Ion Ratio Lower Upper
 101 100
 85 43.3 34.4 51.6
 151 76.5 58.4 87.6



#12
 1,1-Dichloroethene
 Concen: 5.079 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.003 min
 Lab File: VU056033.D
 Acq: 01 Nov 2023 09:59

Tgt Ion: 96 Resp: 85730
 Ion Ratio Lower Upper
 96 100
 61 162.0 123.8 230.0
 63 148.0 111.0 206.2





#13

Acetone

Concen: 47.657 ug/L

RT: 2.650 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Instrument :

MSVOA_U

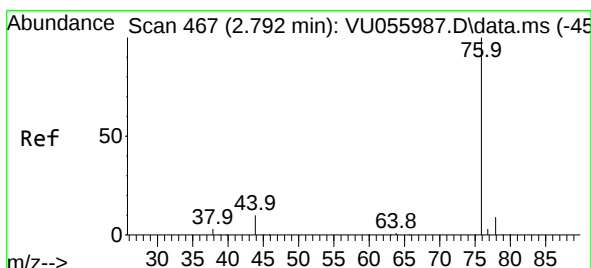
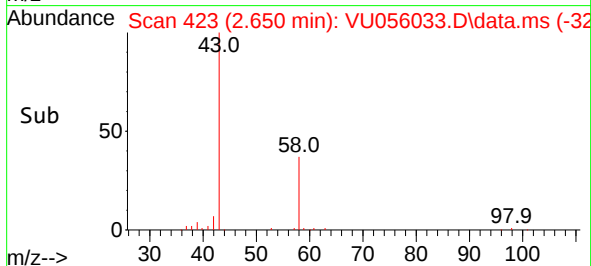
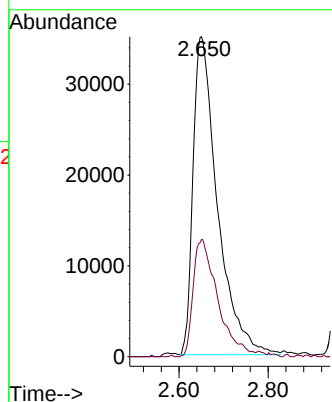
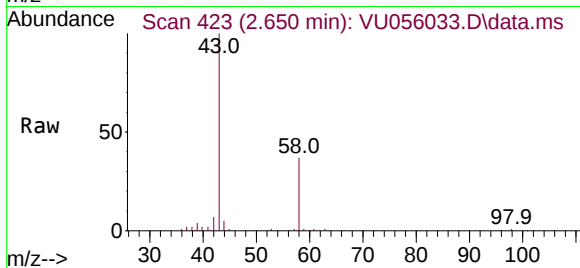
ClientSampleId :

Tgt Ion: 43 Resp: 133483

Ion Ratio Lower Upper

43 100

58 37.0 0.0 69.0



#14

Carbon disulfide

Concen: 4.359 ug/L

RT: 2.795 min Scan# 468

Delta R.T. 0.000 min

Lab File: VU056033.D

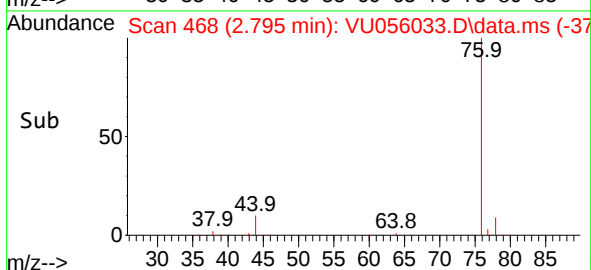
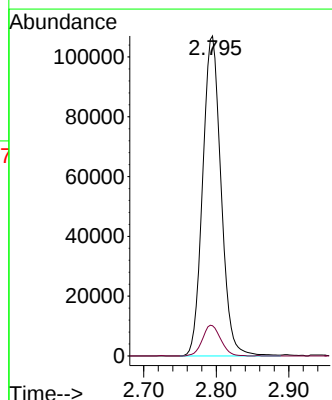
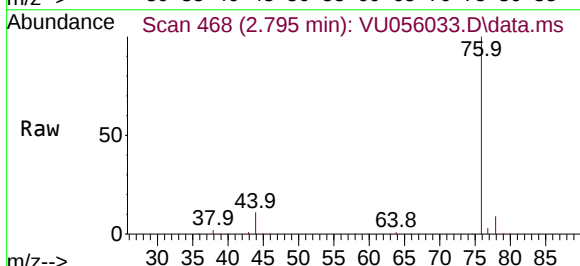
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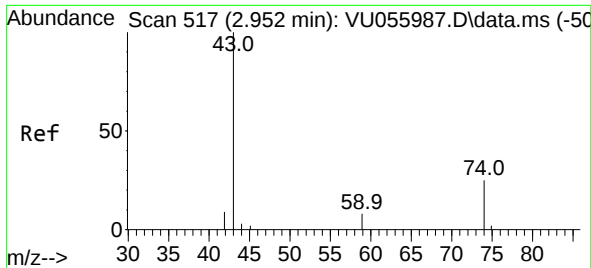
Tgt Ion: 76 Resp: 188387

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

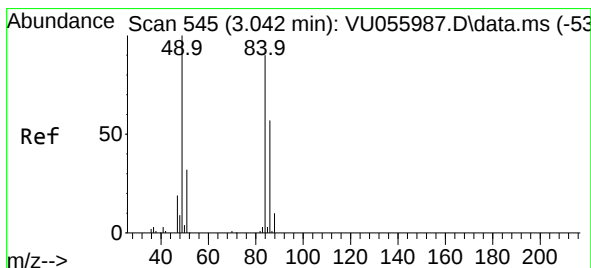
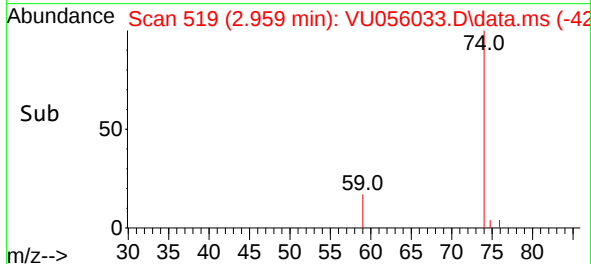
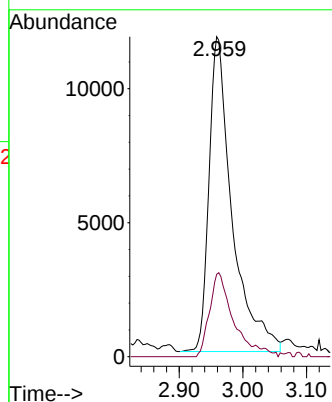
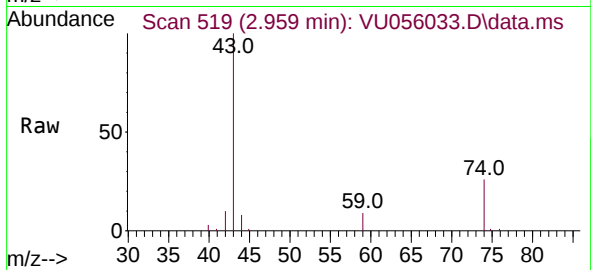




#15
Methyl Acetate
Concen: 5.189 ug/L
RT: 2.959 min Scan# 517
Delta R.T. 0.003 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

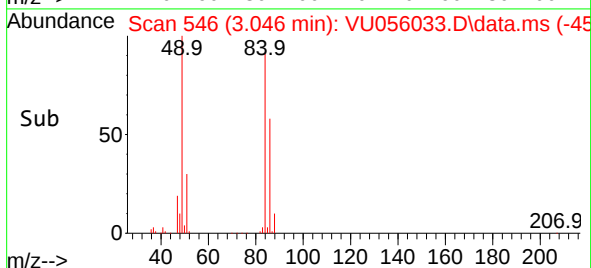
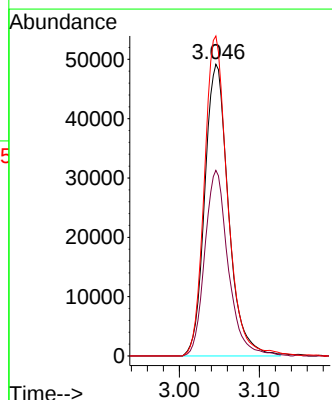
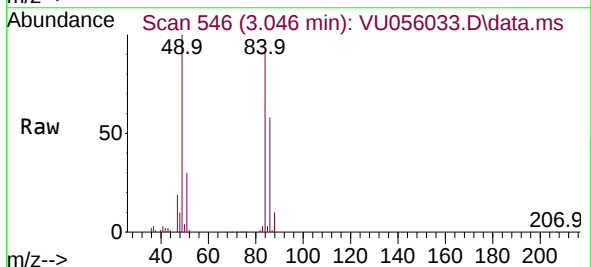
Instrument :
MSVOA_U
ClientSampleId :

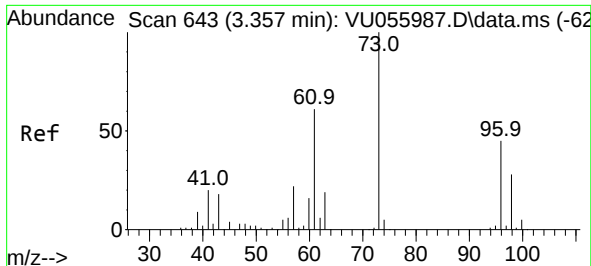
Tgt Ion: 43 Resp: 29608
Ion Ratio Lower Upper
43 100
74 26.7 19.9 29.9



#16
Methylene chloride
Concen: 5.318 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

Tgt Ion: 84 Resp: 101711
Ion Ratio Lower Upper
84 100
86 63.6 45.2 84.0
49 109.7 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 5.130 ug/L

RT: 3.361 min Scan# 64

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Instrument :

MSVOA_U

ClientSampleId :

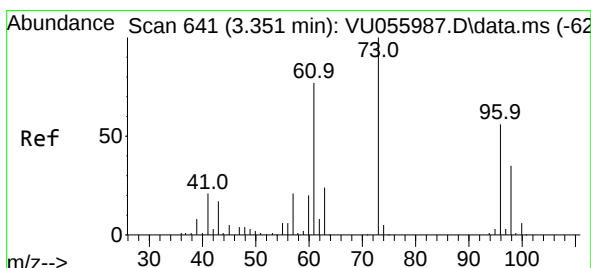
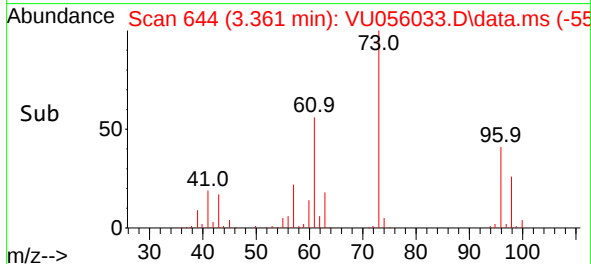
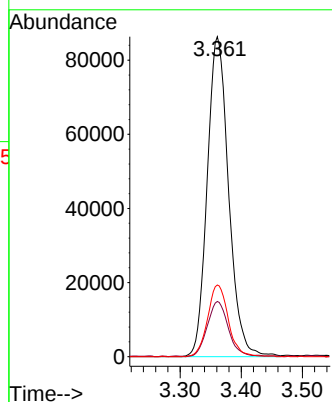
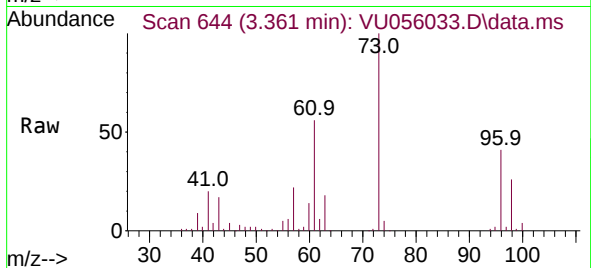
Tgt Ion: 73 Resp: 210134

Ion Ratio Lower Upper

73 100

43 16.9 14.4 21.6

57 21.7 17.0 25.4



#18

trans-1,2-Dichloroethene

Concen: 5.005 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.003 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

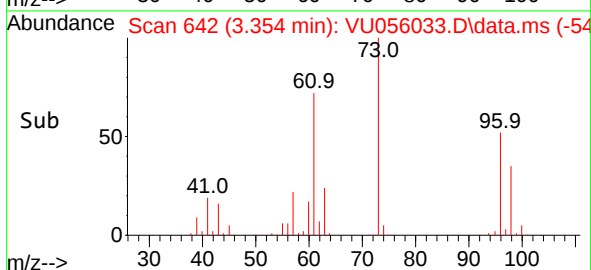
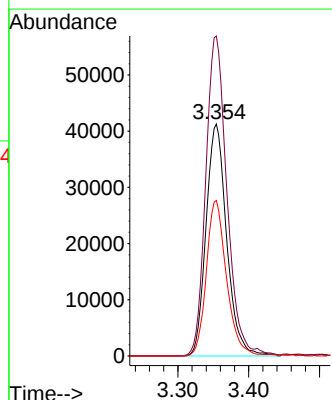
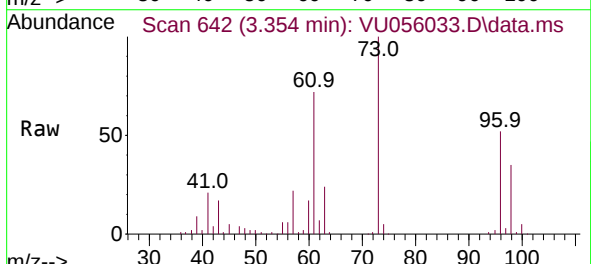
Tgt Ion: 96 Resp: 83773

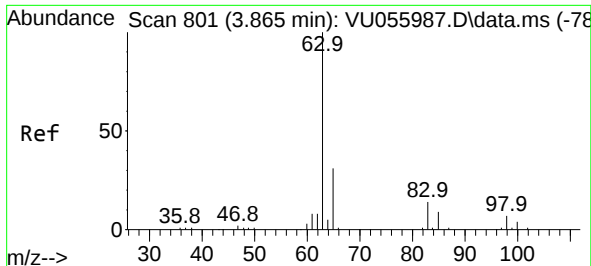
Ion Ratio Lower Upper

96 100

61 137.9 97.5 181.1

98 67.0 42.7 79.3

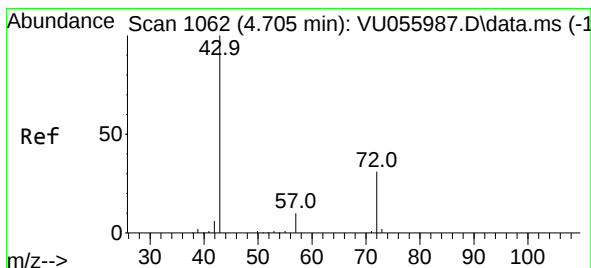
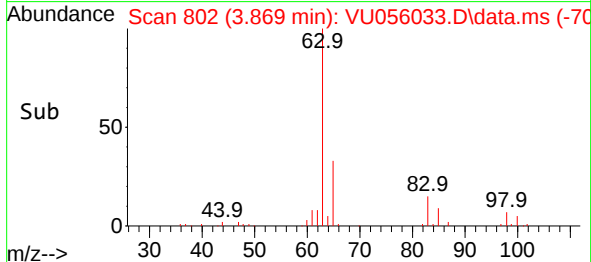
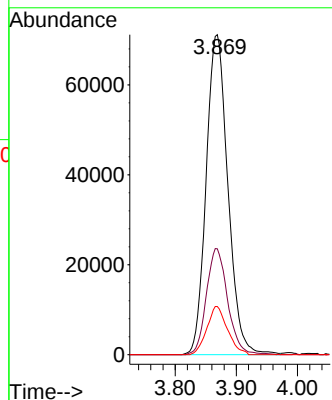
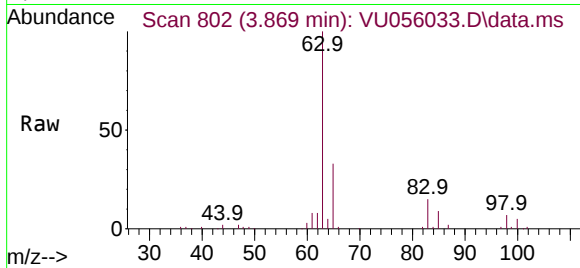




#19
1,1-Dichloroethane
Concen: 5.181 ug/L
RT: 3.869 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

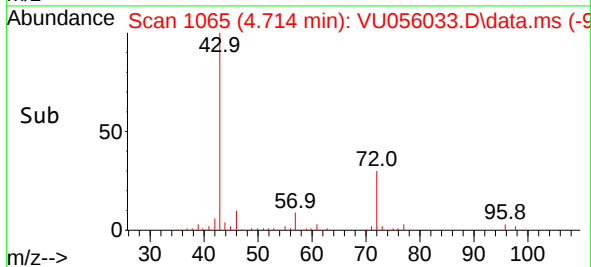
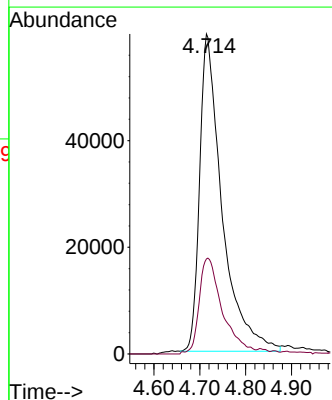
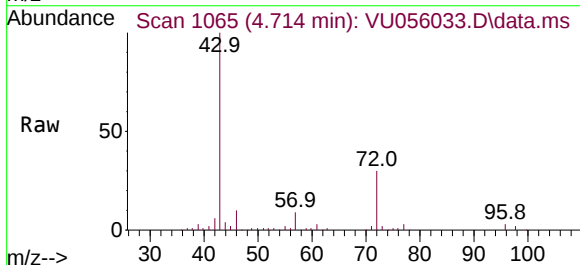
Instrument :
MSVOA_U
ClientSampleId :

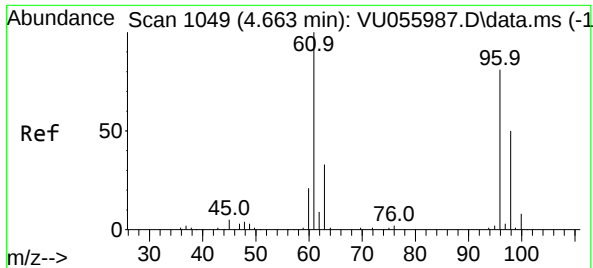
Tgt Ion: 63 Resp: 176089
Ion Ratio Lower Upper
63 100
65 33.1 23.3 43.3
83 15.1 10.5 19.5



#21
2-Butanone
Concen: 48.880 ug/L
RT: 4.714 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

Tgt Ion: 43 Resp: 201260
Ion Ratio Lower Upper
43 100
72 31.3 14.4 43.4





#22

cis-1,2-Dichloroethene

Concen: 5.089 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Instrument :

MSVOA_U

ClientSampleId :

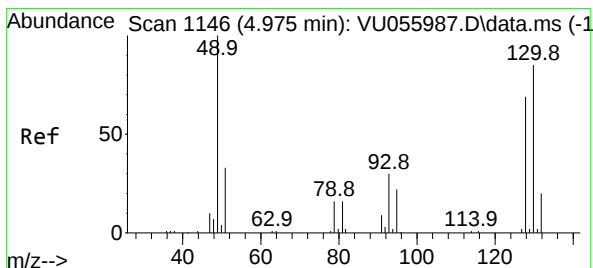
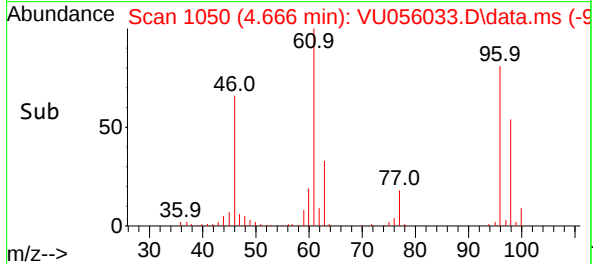
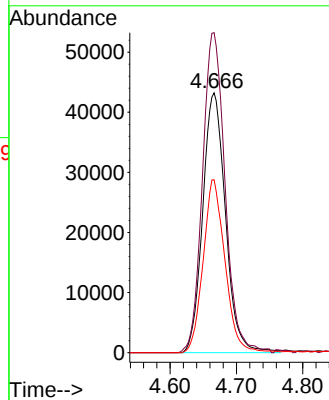
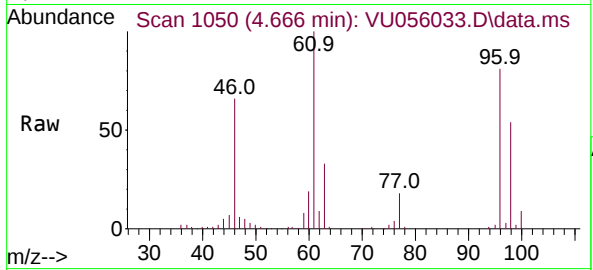
Tgt Ion: 96 Resp: 103128

Ion Ratio Lower Upper

96 100

61 123.2 93.8 174.2

98 66.6 45.6 84.8



#23

Bromochloromethane

Concen: 5.318 ug/L

RT: 4.975 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Tgt Ion: 128 Resp: 43909

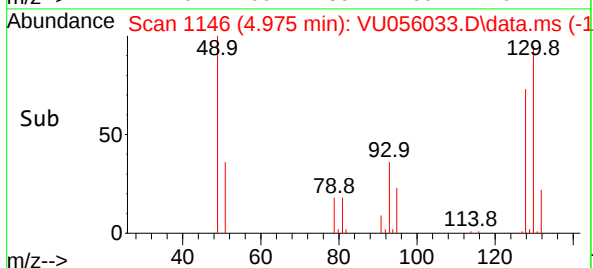
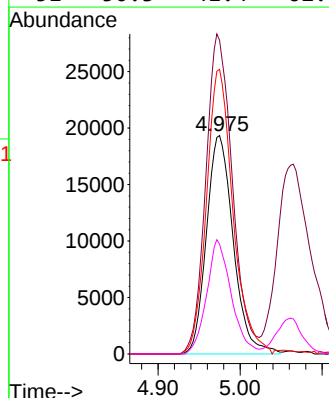
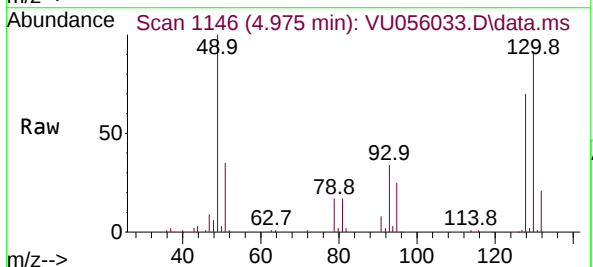
Ion Ratio Lower Upper

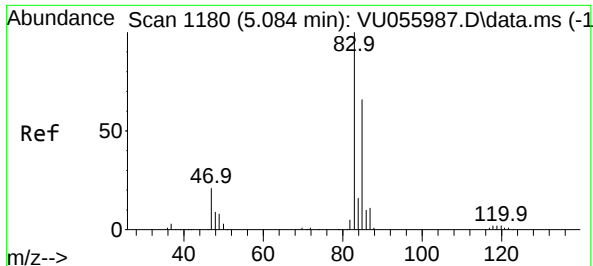
128 100

49 143.6 108.7 201.9

130 130.3 91.5 169.9

51 50.3 41.4 62.0





#25

Chloroform

Concen: 5.448 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Instrument :

MSVOA_U

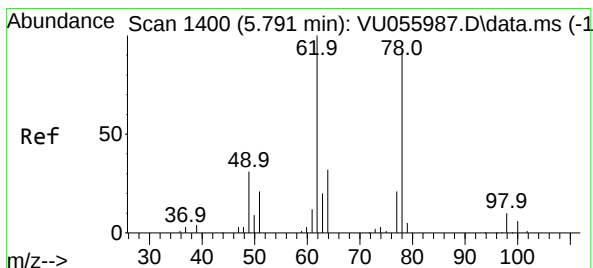
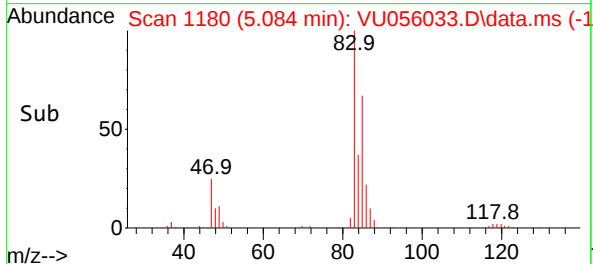
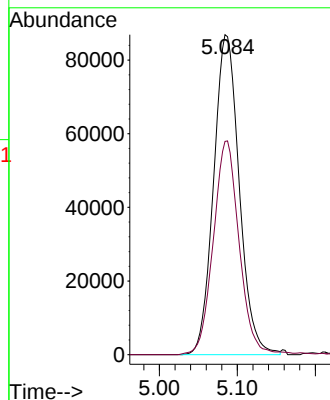
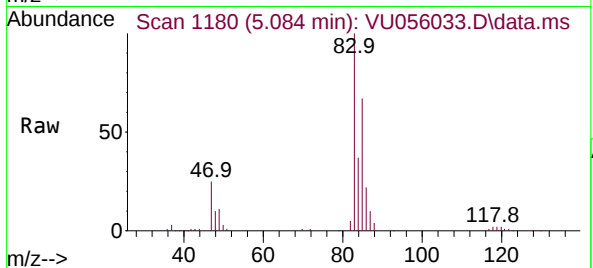
ClientSampleId :

Tgt Ion: 83 Resp: 198522

Ion Ratio Lower Upper

83 100

85 66.7 45.6 84.8



#27

1,2-Dichloroethane

Concen: 4.768 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU056033.D

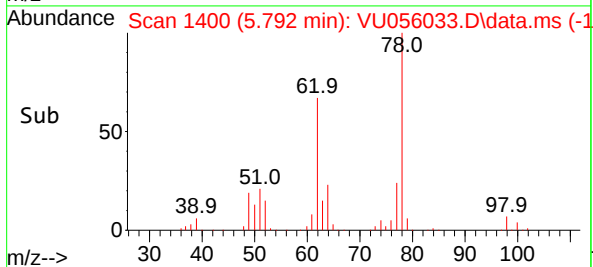
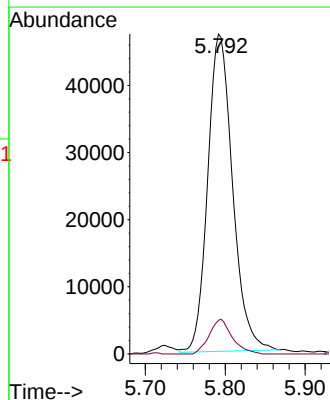
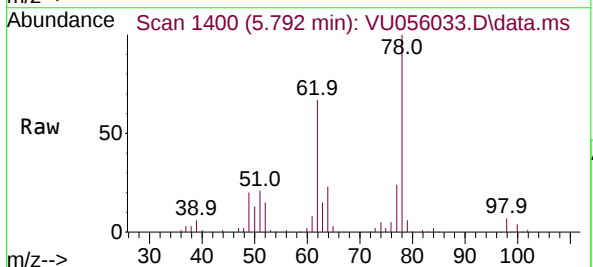
Acq: 01 Nov 2023 09:59

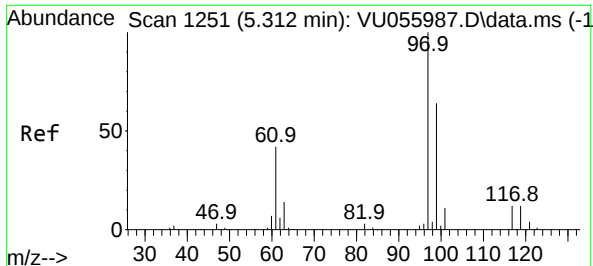
Tgt Ion: 62 Resp: 102083

Ion Ratio Lower Upper

62 100

98 10.5 7.4 11.2

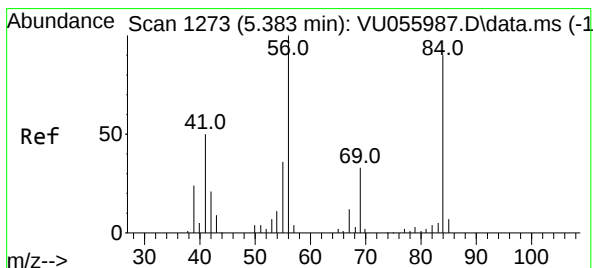
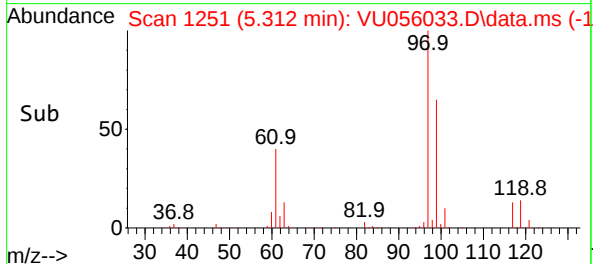
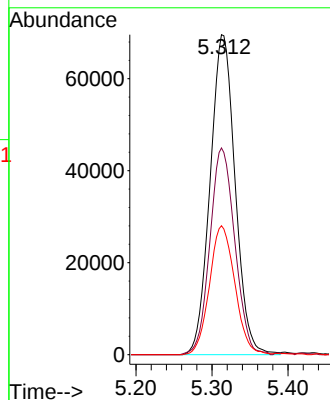
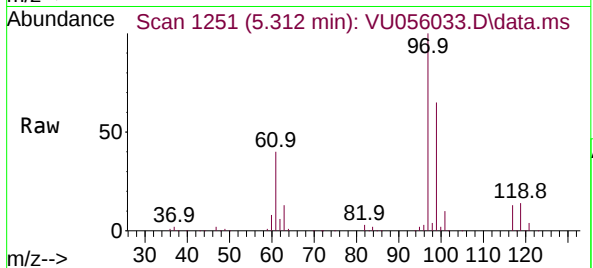




#29
1,1,1-Trichloroethane
Concen: 5.211 ug/L
RT: 5.312 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

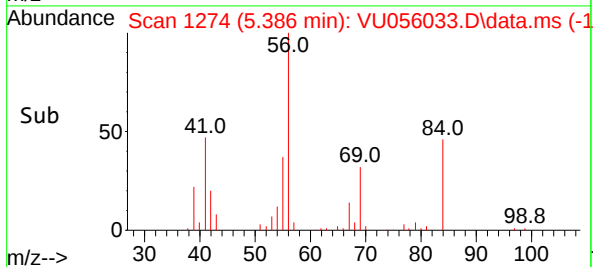
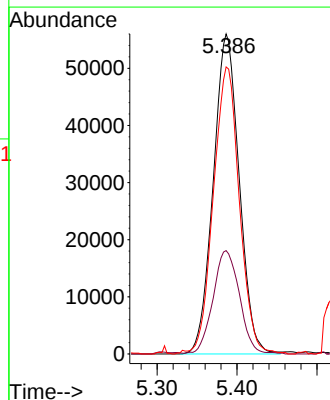
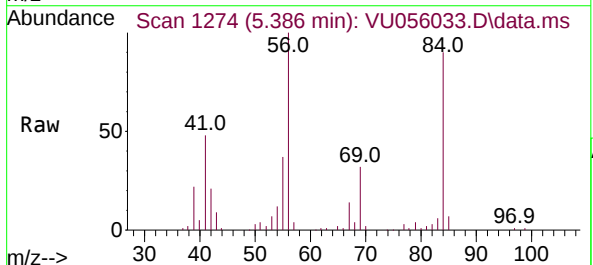
Instrument :
MSVOA_U
ClientSampleId :

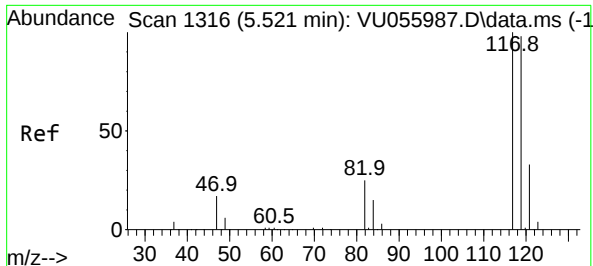
Tgt Ion: 97 Resp: 158993
Ion Ratio Lower Upper
97 100
99 64.4 50.8 76.2
61 40.9 35.0 52.4



#30
Cyclohexane
Concen: 4.894 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

Tgt Ion: 56 Resp: 125989
Ion Ratio Lower Upper
56 100
69 33.0 25.4 38.2
84 90.0 71.0 106.6

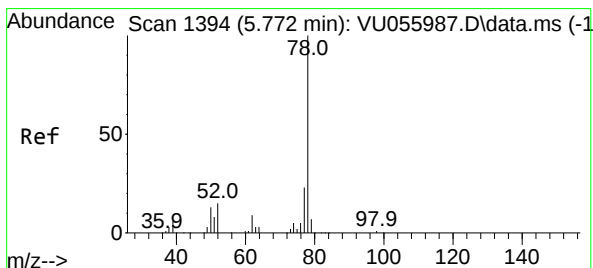
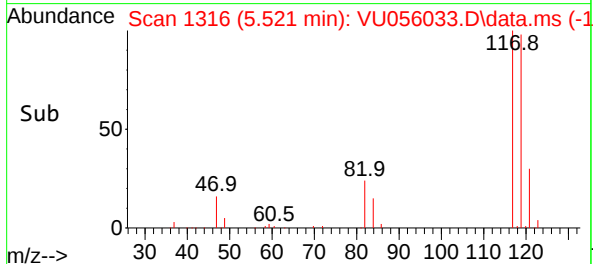
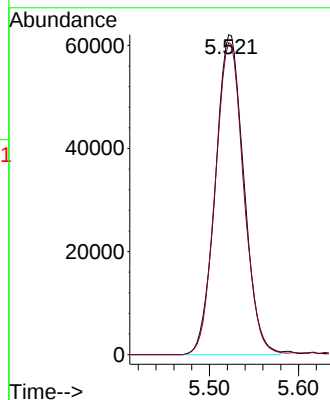
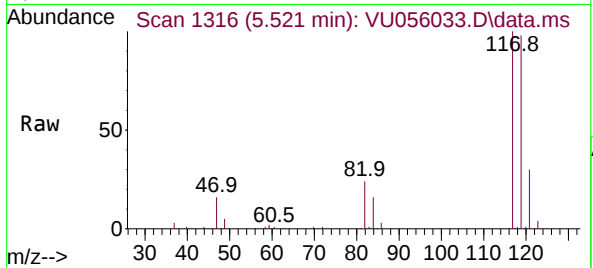




#31
Carbon tetrachloride
Concen: 5.282 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

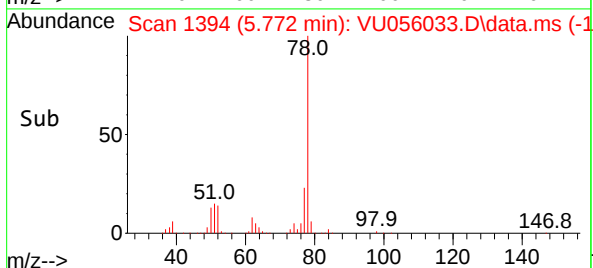
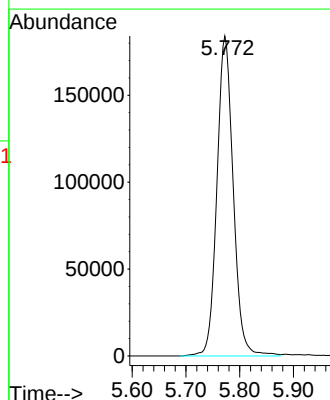
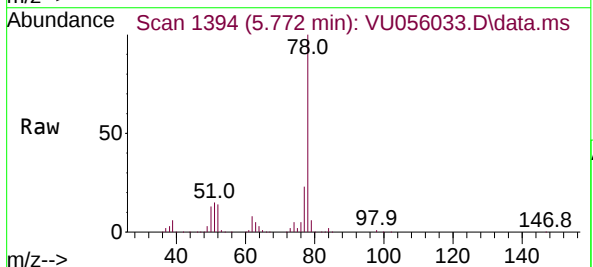
Instrument :
MSVOA_U
ClientSampleId :

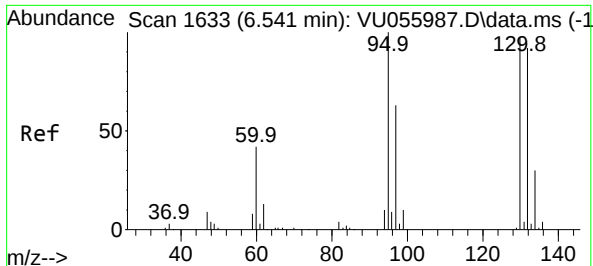
Tgt Ion:117 Resp: 137454
Ion Ratio Lower Upper
117 100
119 97.5 75.1 112.7



#33
Benzene
Concen: 5.246 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

Tgt Ion: 78 Resp: 387551

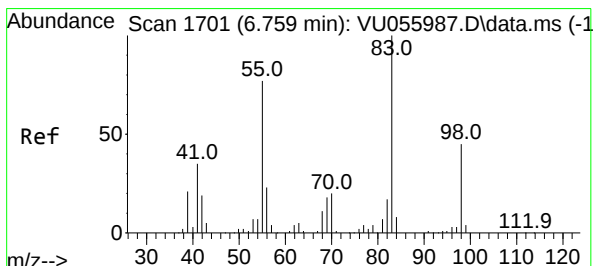
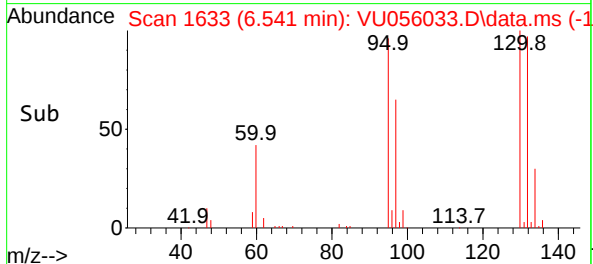
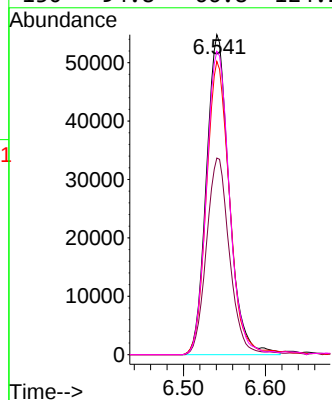
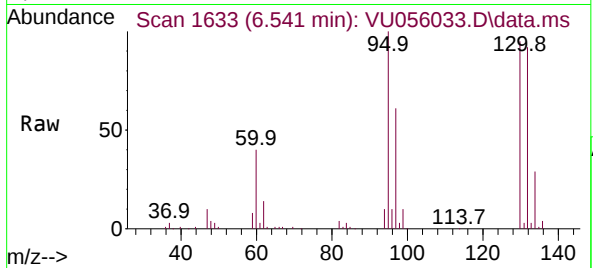




#34
Trichloroethene
Concen: 5.114 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

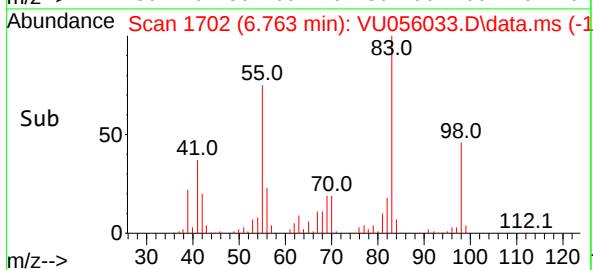
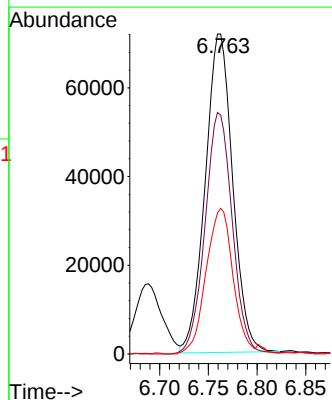
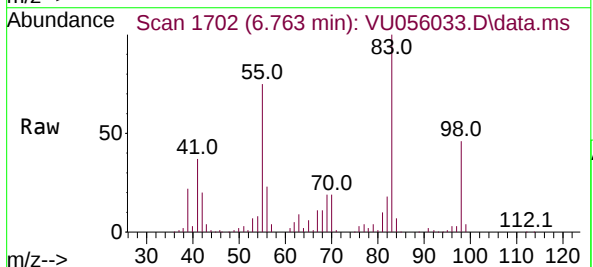
Instrument :
MSVOA_U
ClientSampleId :

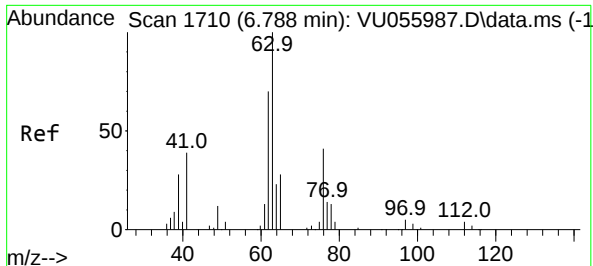
Tgt Ion: 95 Resp: 105682
Ion Ratio Lower Upper
95 100
97 61.4 45.4 84.2
132 91.6 63.9 118.7
130 94.8 66.8 124.2



#35
Methylcyclohexane
Concen: 5.047 ug/L
RT: 6.763 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

Tgt Ion: 83 Resp: 140767
Ion Ratio Lower Upper
83 100
55 75.2 62.4 93.6
98 44.8 37.4 56.2

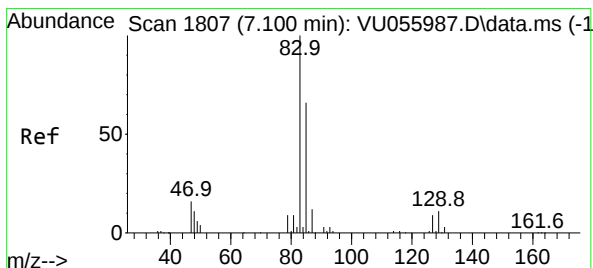
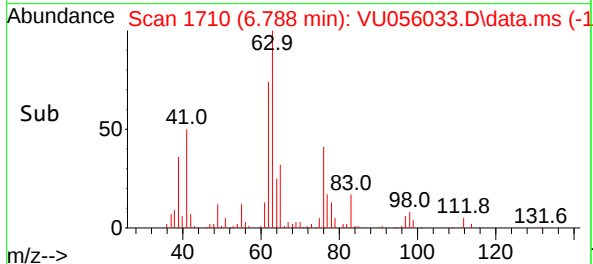
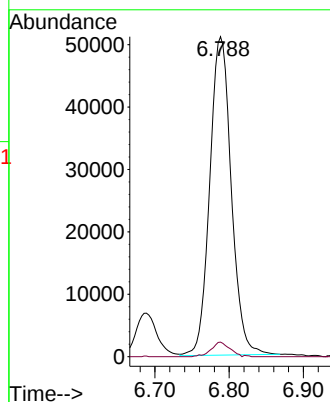
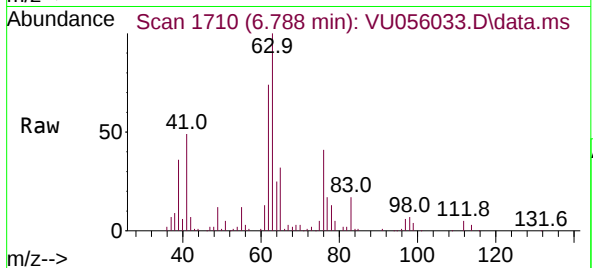




#37
1,2-Dichloropropane
Concen: 5.246 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

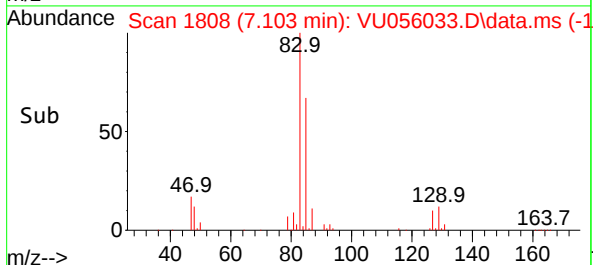
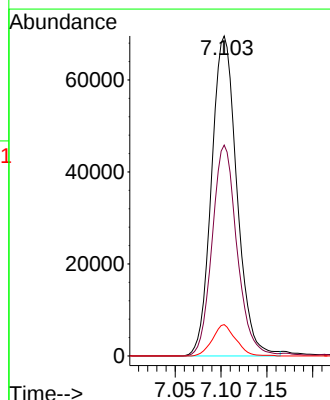
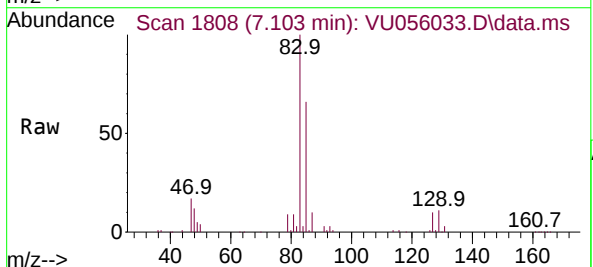
Instrument :
MSVOA_U
ClientSampleId :

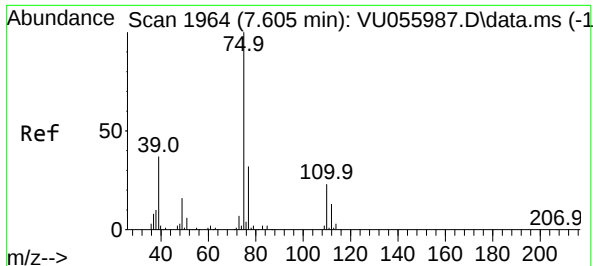
Tgt Ion: 63 Resp: 102894
Ion Ratio Lower Upper
63 100
112 3.9 3.1 4.7



#38
Bromodichloromethane
Concen: 5.436 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

Tgt Ion: 83 Resp: 133870
Ion Ratio Lower Upper
83 100
85 65.9 44.9 83.3
127 9.8 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.205 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Instrument :

MSVOA_U

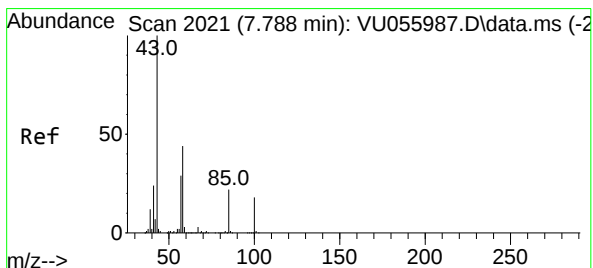
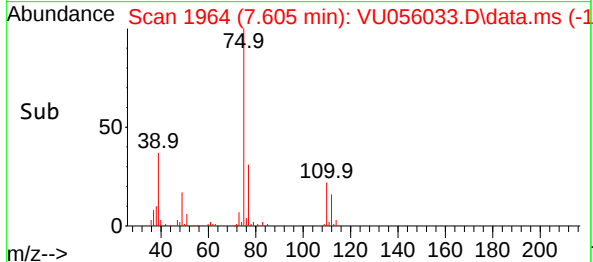
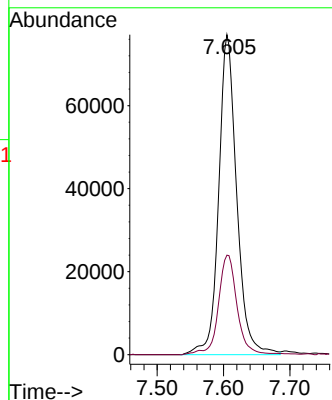
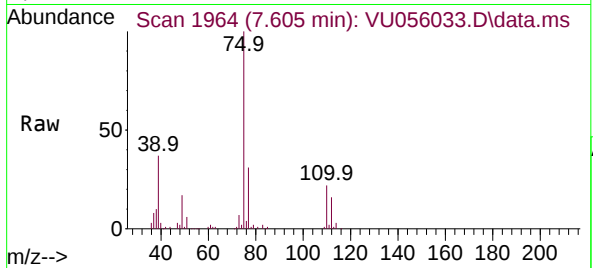
ClientSampleId :

Tgt Ion: 75 Resp: 145438

Ion Ratio Lower Upper

75 100

77 31.1 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 51.168 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

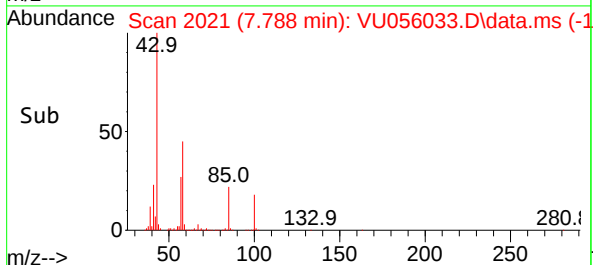
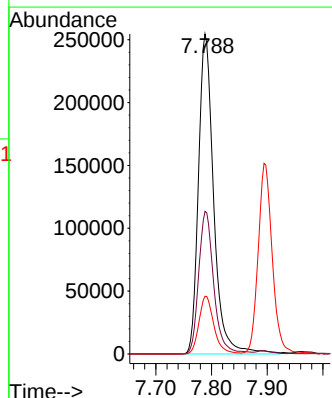
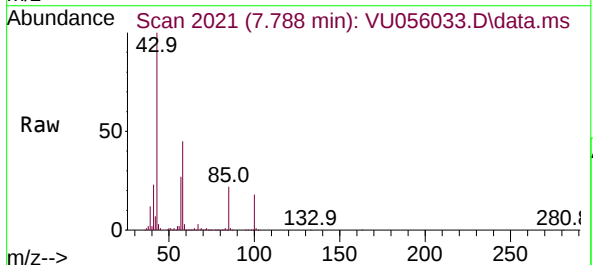
Tgt Ion: 43 Resp: 483815

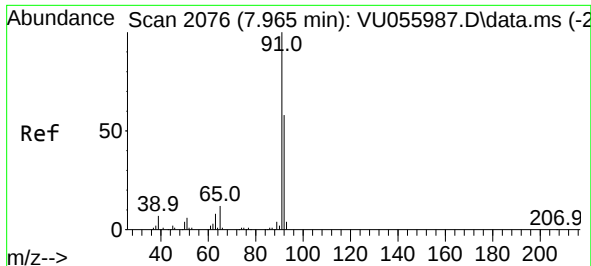
Ion Ratio Lower Upper

43 100

58 44.3 34.0 51.0

100 17.7 13.0 19.6





#42

Toluene

Concen: 5.320 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Instrument :

MSVOA_U

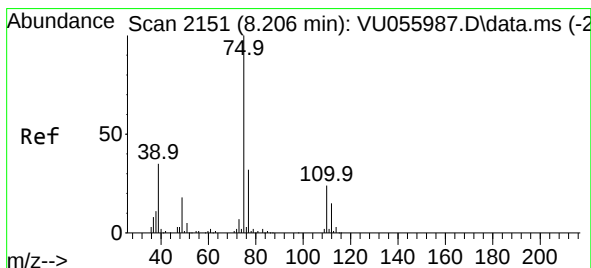
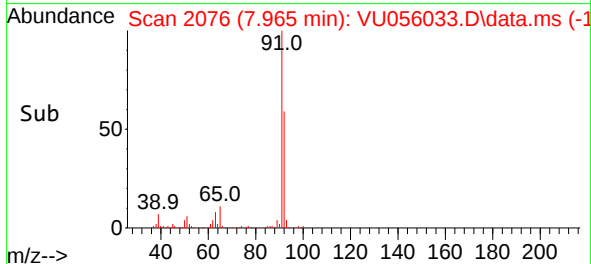
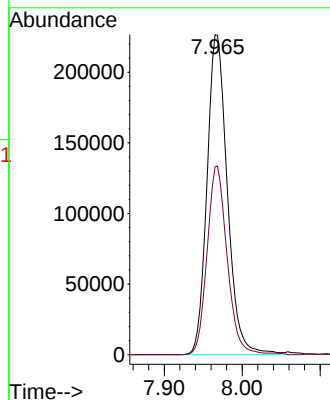
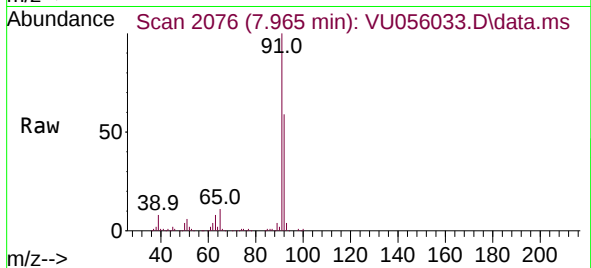
ClientSampleId :

Tgt Ion: 91 Resp: 410741

Ion Ratio Lower Upper

91 100

92 58.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.364 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU056033.D

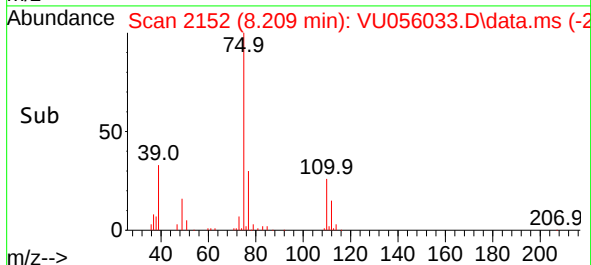
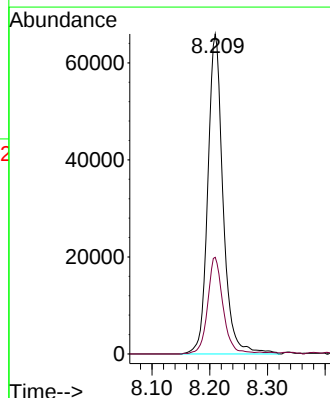
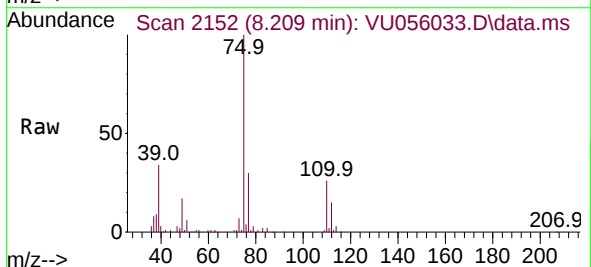
Acq: 01 Nov 2023 09:59

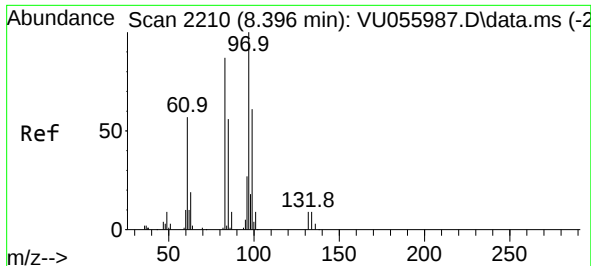
Tgt Ion: 75 Resp: 120999

Ion Ratio Lower Upper

75 100

77 30.2 21.7 40.3

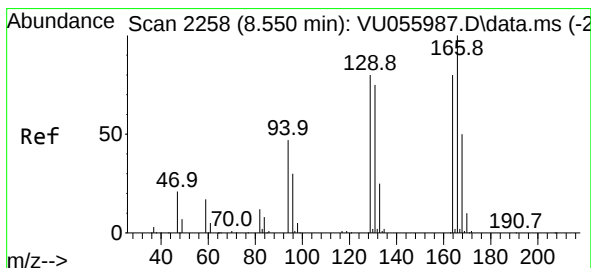
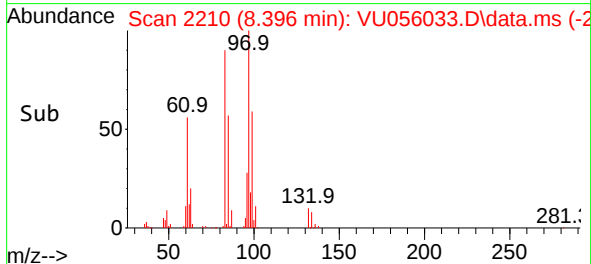
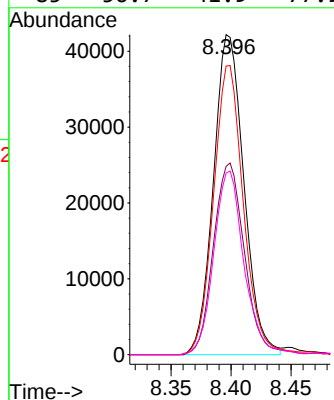
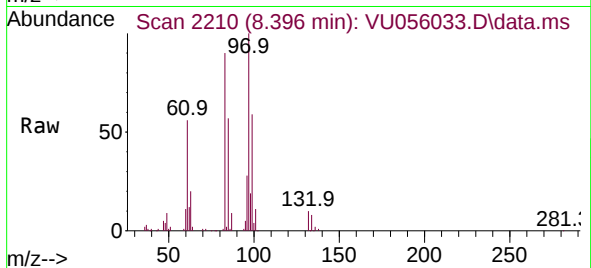




#45
1,1,2-Trichloroethane
Concen: 5.393 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

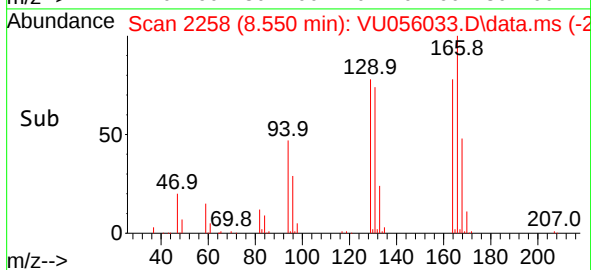
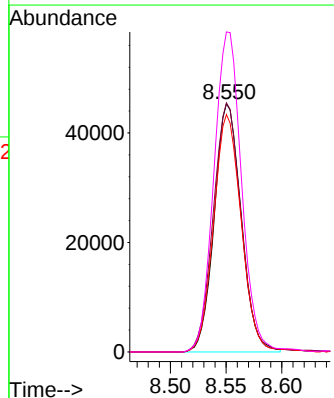
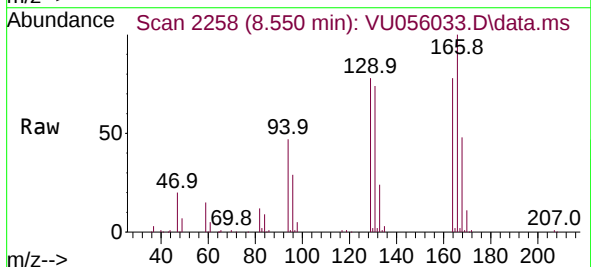
Instrument :
MSVOA_U
ClientSampleId :

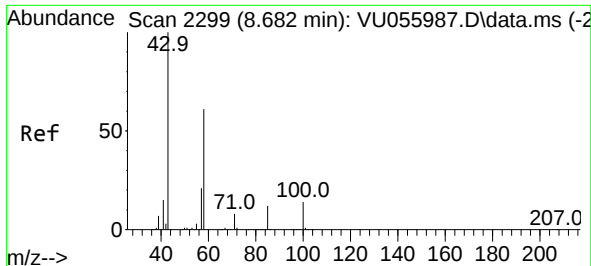
Tgt Ion: 97	Resp: 74384
Ion Ratio	Lower Upper
97 100	
99 58.8	45.3 84.1
83 90.2	61.9 115.1
85 56.7	41.9 77.9



#47
Tetrachloroethene
Concen: 5.286 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

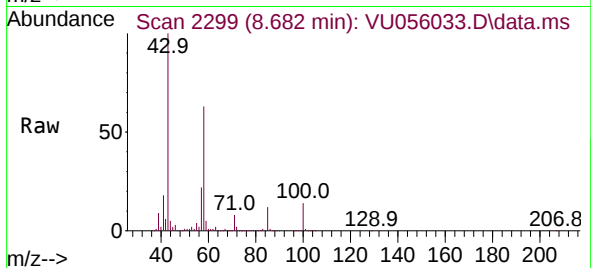
Tgt	Ion:164	Resp:	76496
Ion	Ratio	Lower	Upper
164	100		
129	100.4	72.2	134.0
131	95.7	70.8	131.6
166	128.9	89.0	165.2





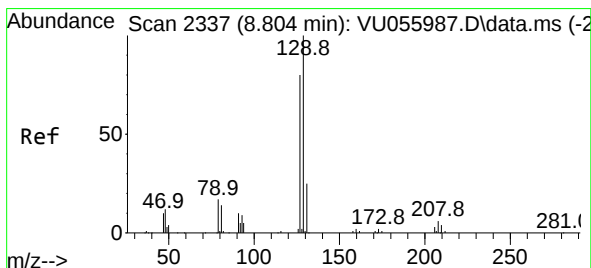
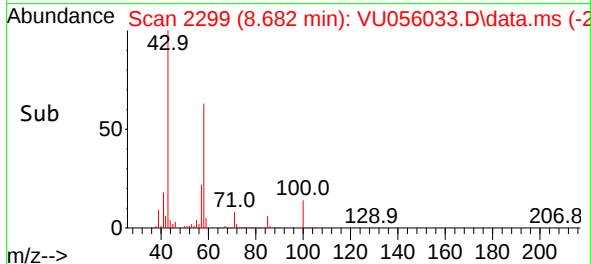
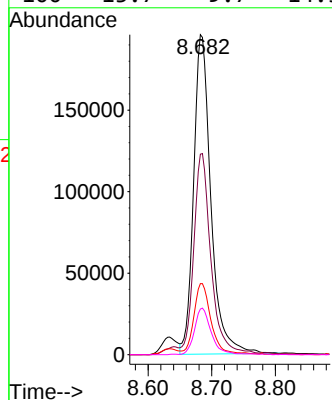
#48
2-Hexanone
Concen: 49.781 ug/L
RT: 8.682 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 370093

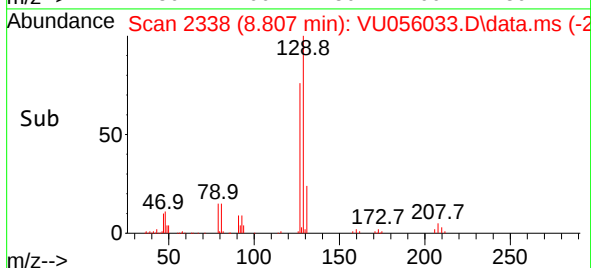
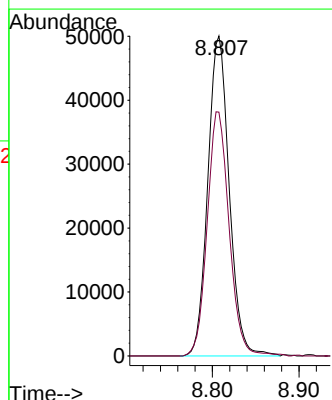
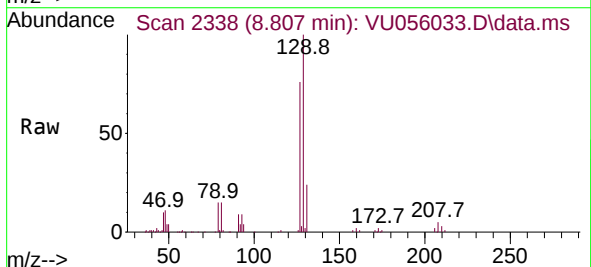
Ion	Ratio	Lower	Upper
43	100		
58	61.4	49.5	74.3
57	21.7	16.9	25.3
100	13.7	9.7	14.5

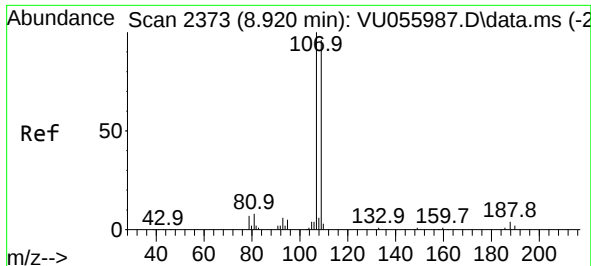


#49
Dibromochloromethane
Concen: 5.678 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

Tgt Ion: 129 Resp: 85963

Ion	Ratio	Lower	Upper
129	100		
127	76.2	53.5	99.5





#50

1,2-Dibromoethane

Concen: 5.370 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056033.D

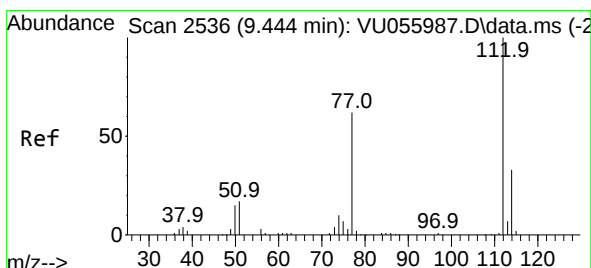
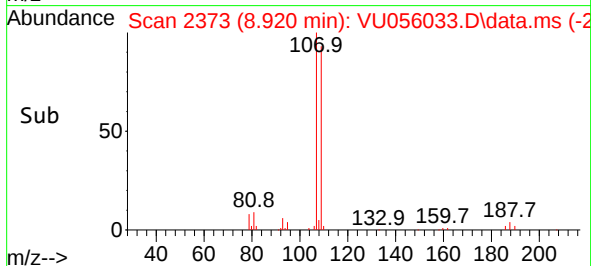
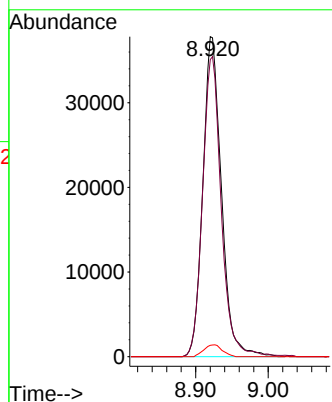
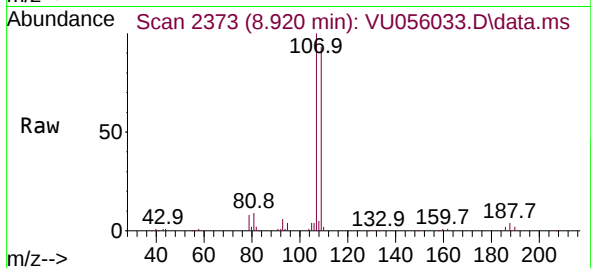
Acq: 01 Nov 2023 09:59

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	67198
Ion	Ratio	Lower	Upper
107	100		
109	92.8	65.0	120.6
188	3.5	2.5	3.7



#51

Chlorobenzene

Concen: 5.345 ug/L

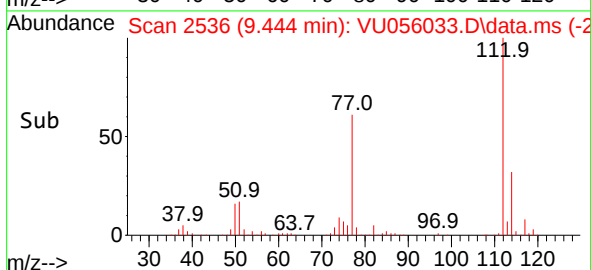
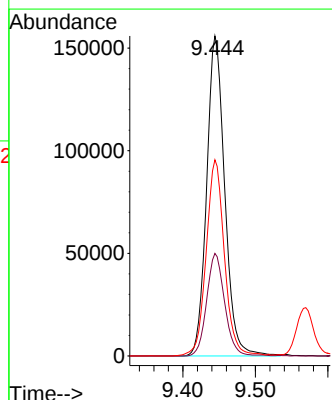
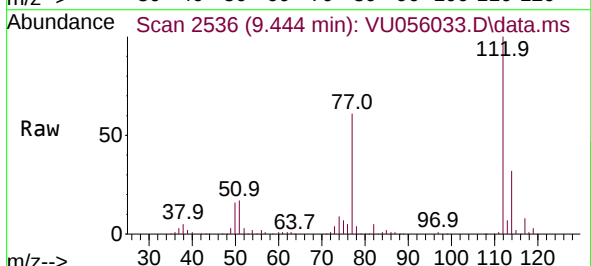
RT: 9.444 min Scan# 2536

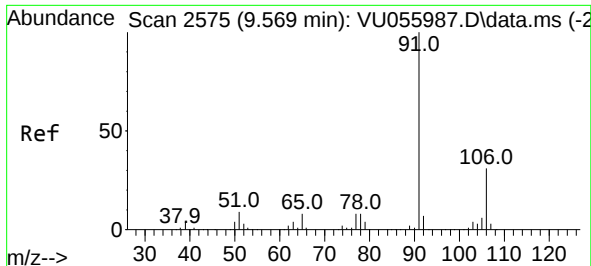
Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Tgt Ion:	112	Resp:	270452
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.5
77	61.3	49.9	74.9

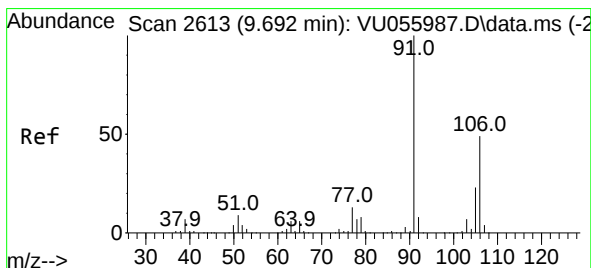
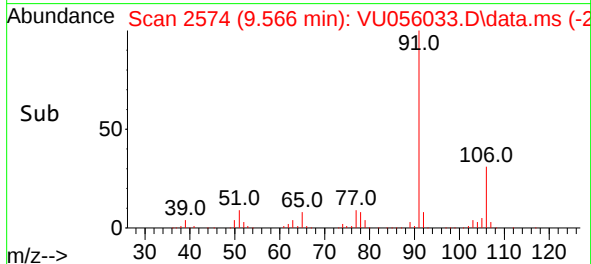
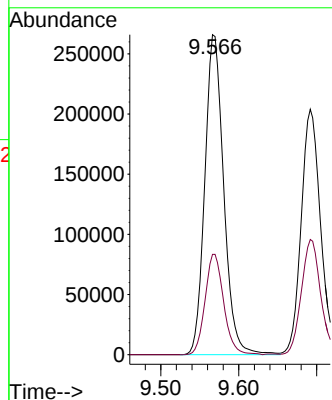
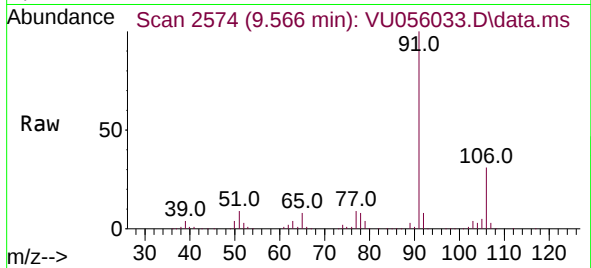




#52
Ethylbenzene
Concen: 5.131 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

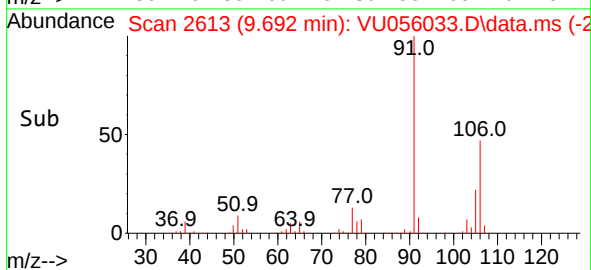
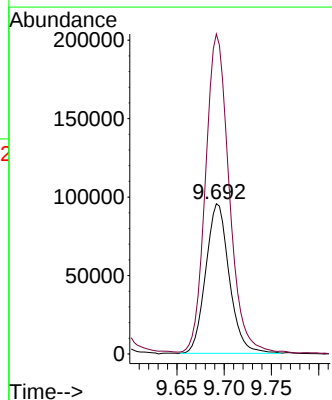
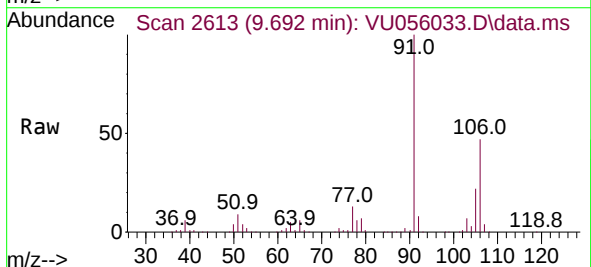
Instrument :
MSVOA_U
ClientSampleId :

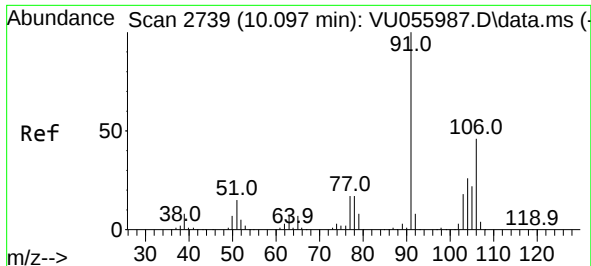
Tgt Ion: 91 Resp: 449016
Ion Ratio Lower Upper
91 100
106 31.4 21.3 39.5



#53
m,p-Xylene
Concen: 5.044 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

Tgt Ion:106 Resp: 164967
Ion Ratio Lower Upper
106 100
91 212.9 150.4 279.2

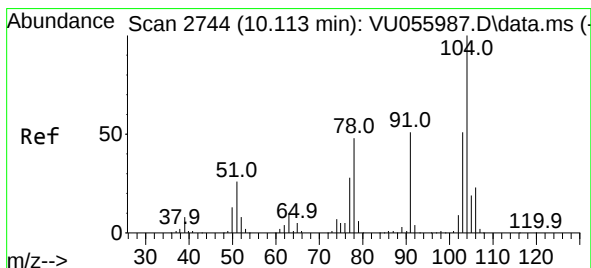
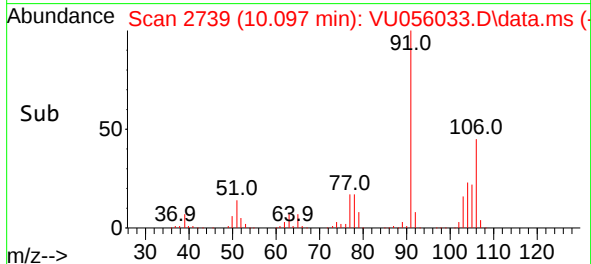
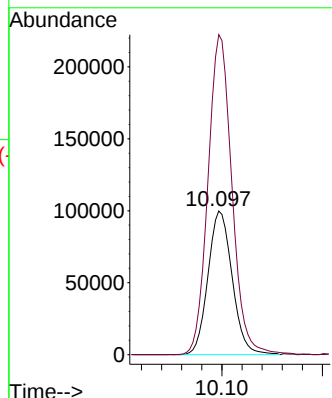
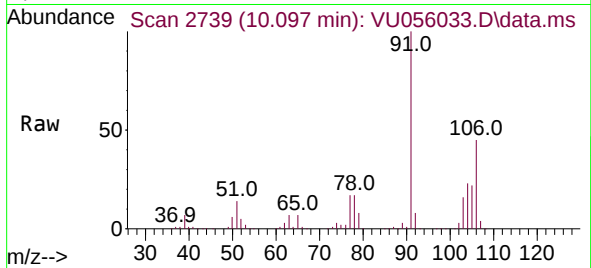




#54
o-Xylene
Concen: 5.213 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

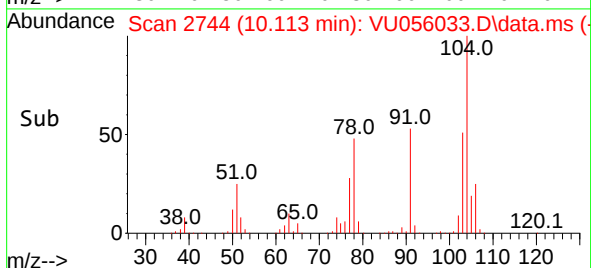
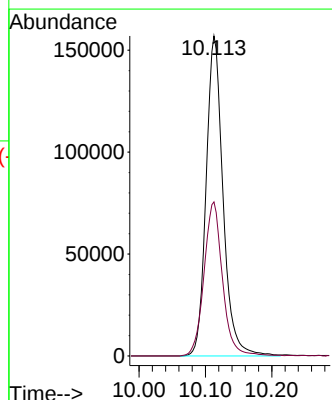
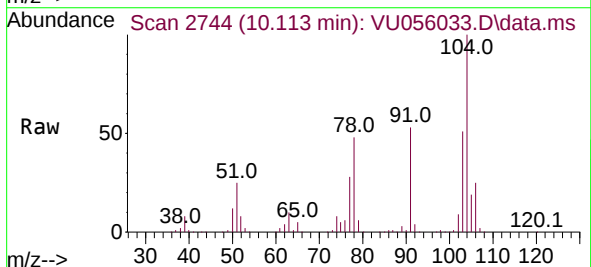
Instrument :
MSVOA_U
ClientSampleId :

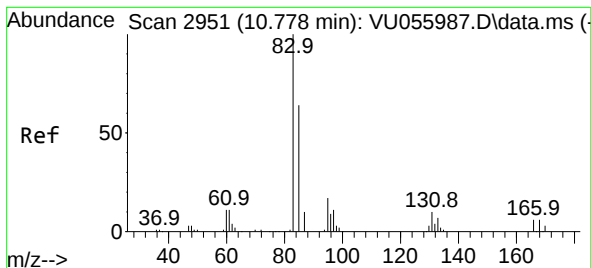
Tgt Ion:106 Resp: 166845
Ion Ratio Lower Upper
106 100
91 222.8 154.6 287.2



#55
Styrene
Concen: 5.426 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

Tgt Ion:104 Resp: 278355
Ion Ratio Lower Upper
104 100
78 48.2 33.9 63.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.488 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Instrument :

MSVOA_U

ClientSampleId :

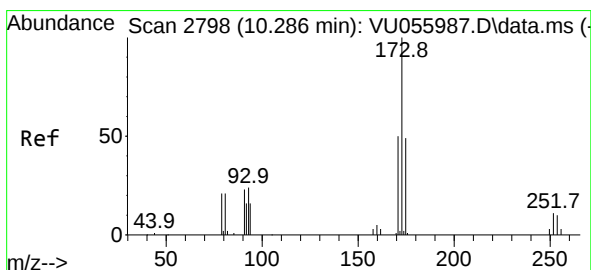
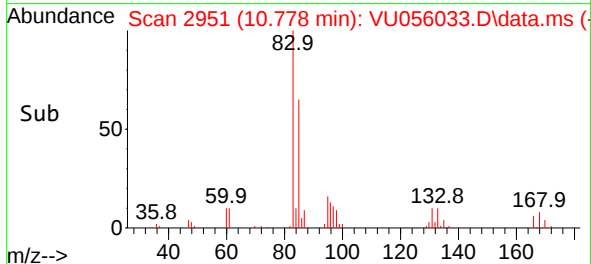
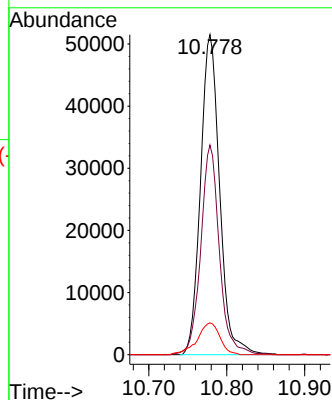
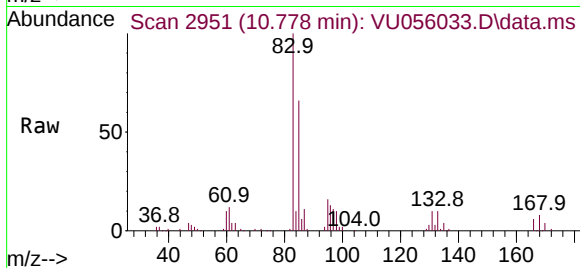
Tgt Ion: 83 Resp: 87620

Ion Ratio Lower Upper

83 100

85 65.5 46.2 85.8

131 10.0 7.2 10.8



#59

Bromoform

Concen: 5.869 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. -0.003 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

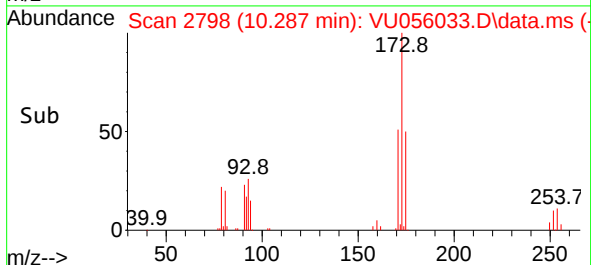
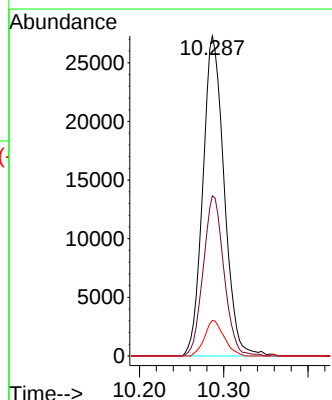
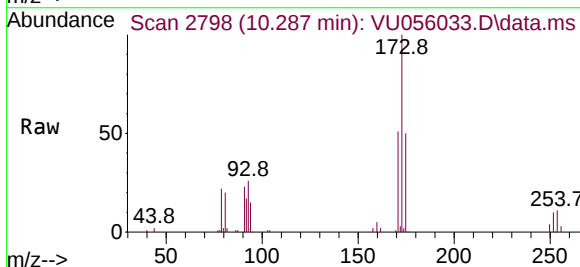
Tgt Ion: 173 Resp: 48079

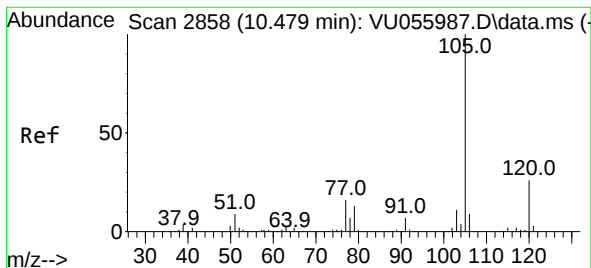
Ion Ratio Lower Upper

173 100

175 48.8 37.8 56.6

254 10.2 7.4 11.0





#60

Isopropylbenzene

Concen: 5.660 ug/L

RT: 10.483 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Instrument :

MSVOA_U

ClientSampleId :

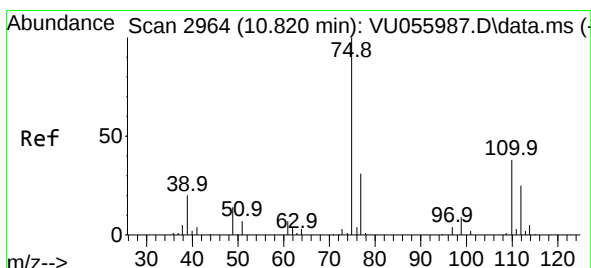
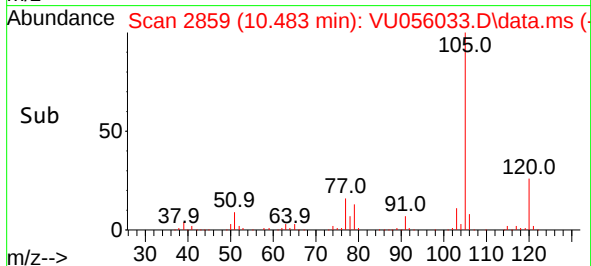
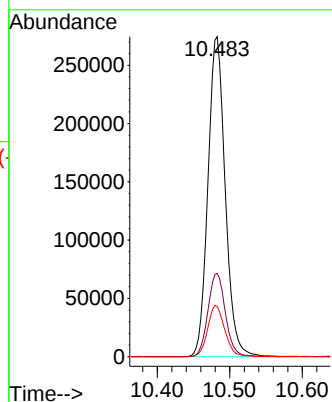
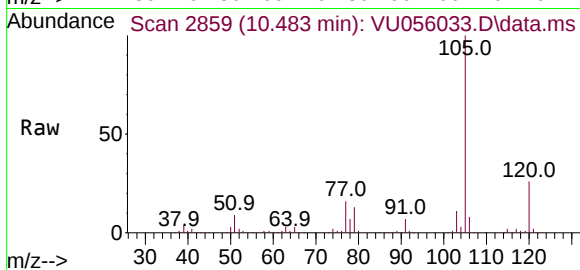
Tgt Ion:105 Resp: 454132

Ion Ratio Lower Upper

105 100

120 26.3 20.2 30.4

77 15.9 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 5.552 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

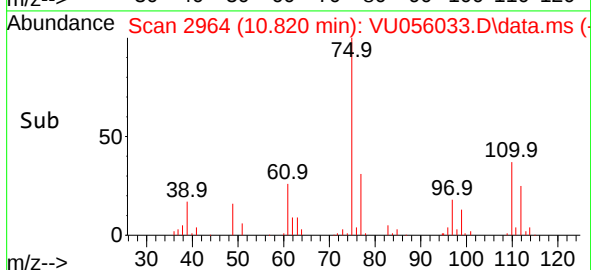
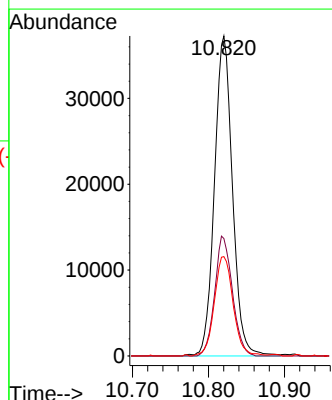
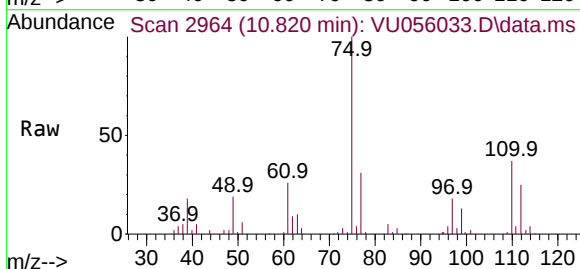
Tgt Ion: 75 Resp: 61375

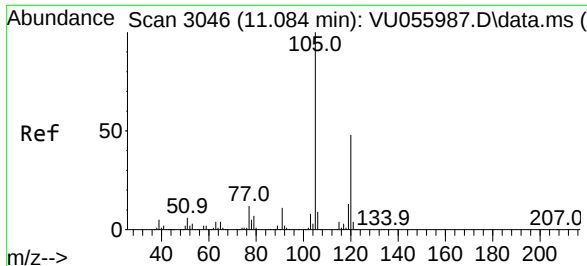
Ion Ratio Lower Upper

75 100

110 36.7 29.0 43.6

77 32.5 24.5 36.7

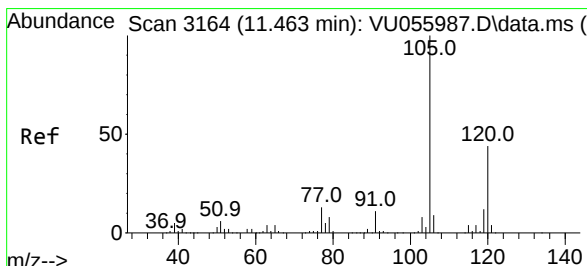
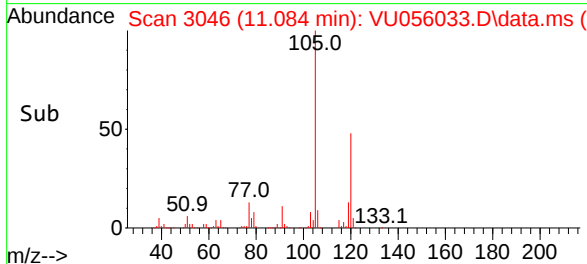
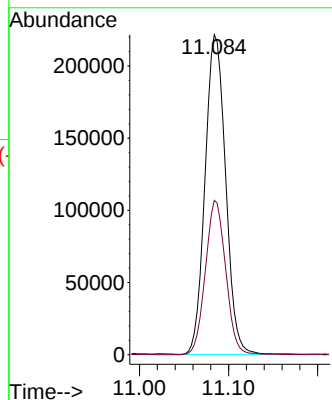
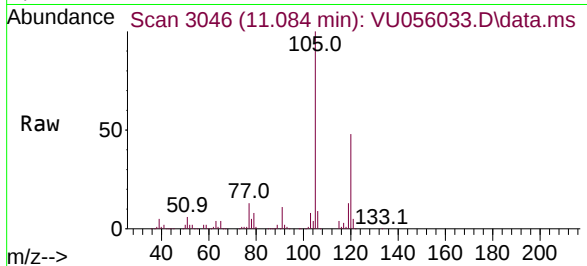




#62
 1,3,5-Trimethylbenzene
 Concen: 5.408 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU056033.D
 Acq: 01 Nov 2023 09:59

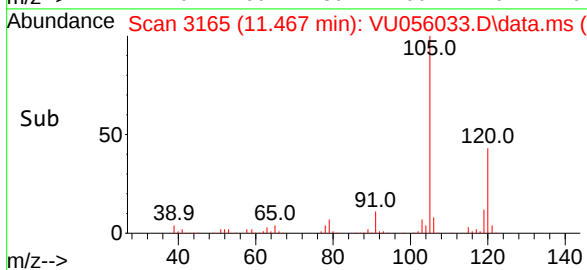
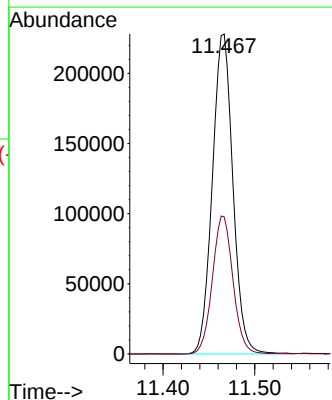
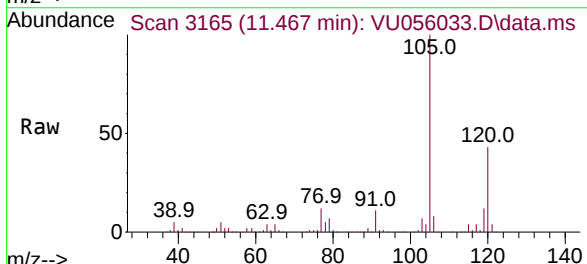
Instrument :
 MSVOA_U
 ClientSampleId :

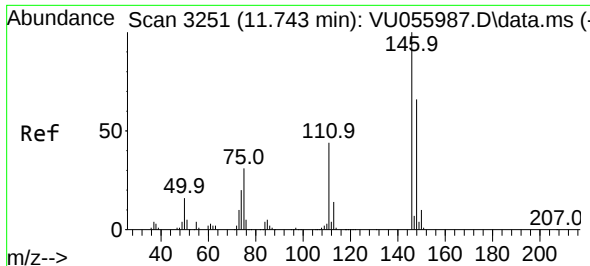
Tgt Ion:105 Resp: 354599
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.4 56.2



#63
 1,2,4-Trimethylbenzene
 Concen: 5.833 ug/L
 RT: 11.467 min Scan# 3165
 Delta R.T. 0.003 min
 Lab File: VU056033.D
 Acq: 01 Nov 2023 09:59

Tgt Ion:105 Resp: 355320
 Ion Ratio Lower Upper
 105 100
 120 43.2 34.6 52.0

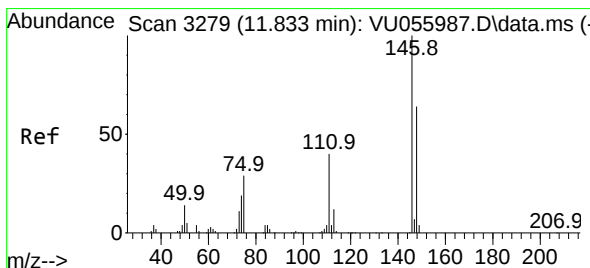
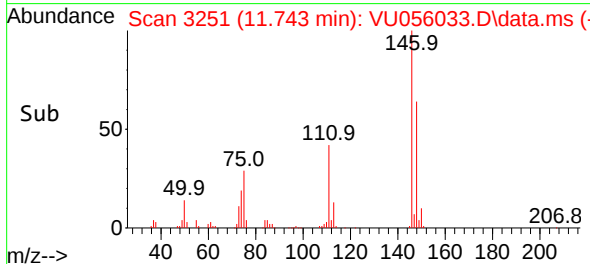
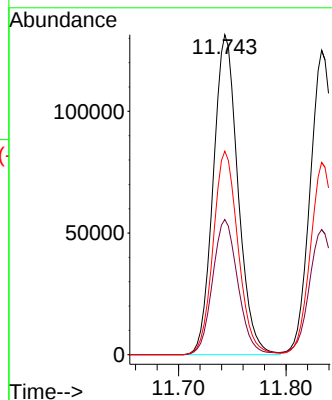
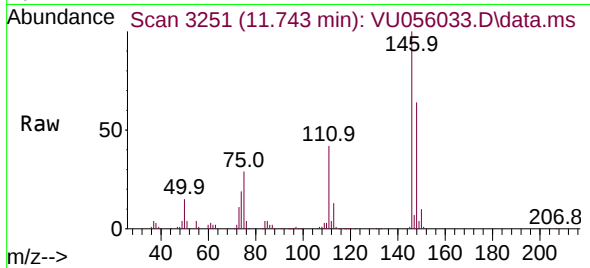




#64
1,3-Dichlorobenzene
Concen: 5.541 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

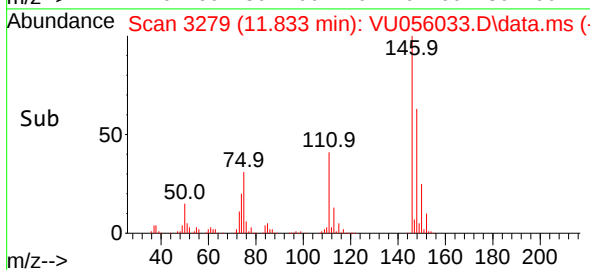
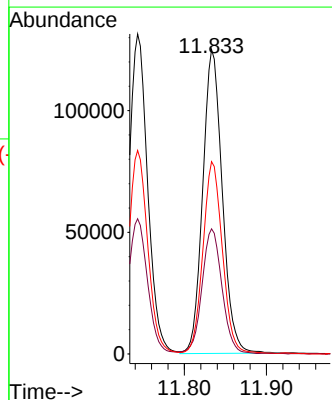
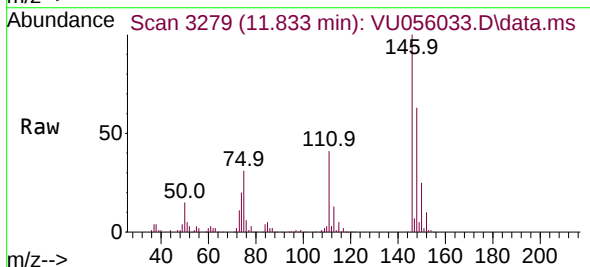
Instrument :
MSVOA_U
ClientSampleId :

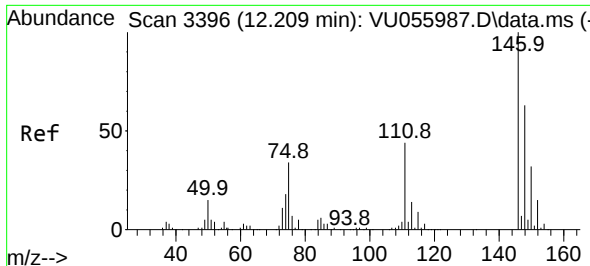
Tgt Ion:146 Resp: 210768
Ion Ratio Lower Upper
146 100
111 42.3 31.1 57.9
148 63.6 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 5.445 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU056033.D
Acq: 01 Nov 2023 09:59

Tgt Ion:146 Resp: 206694
Ion Ratio Lower Upper
146 100
111 41.1 29.3 54.3
148 63.1 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 5.596 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Instrument :

MSVOA_U

ClientSampleId :

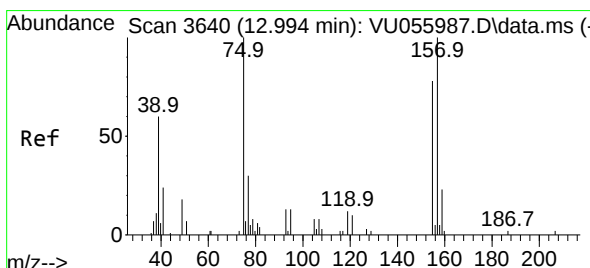
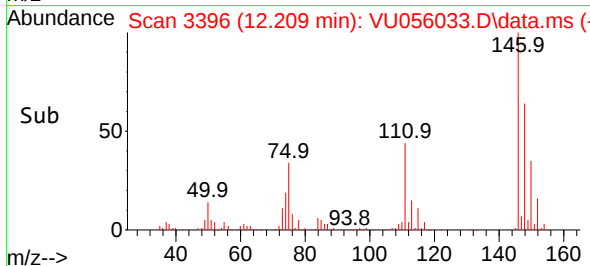
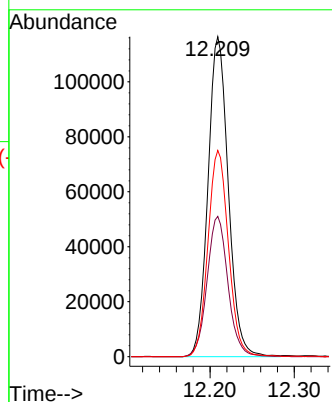
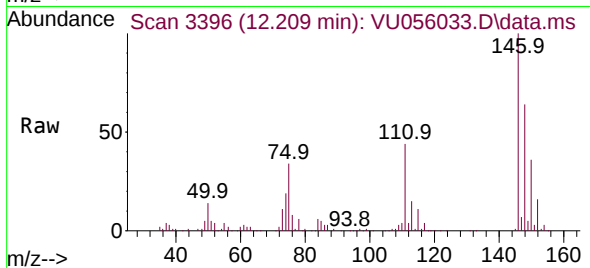
Tgt Ion:146 Resp: 195414

Ion Ratio Lower Upper

146 100

111 43.8 36.7 55.1

148 64.5 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 6.395 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

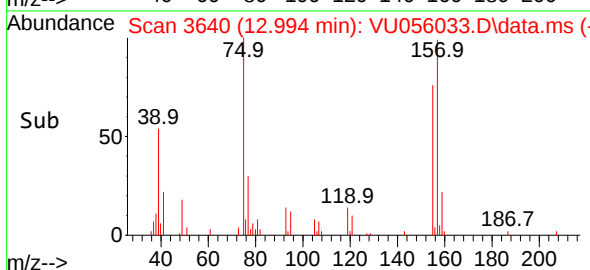
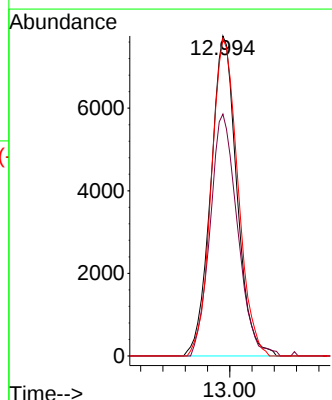
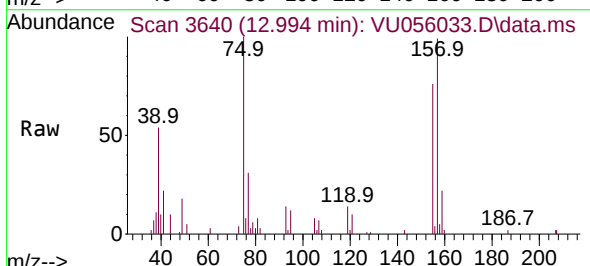
Tgt Ion: 75 Resp: 12615

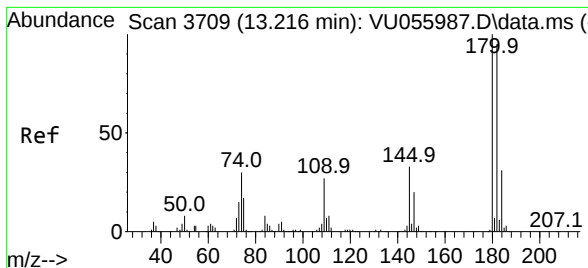
Ion Ratio Lower Upper

75 100

155 75.6 65.3 97.9

157 99.2 87.9 131.9





#69

1,3,5-Trichlorobenzene

Concen: 5.830 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

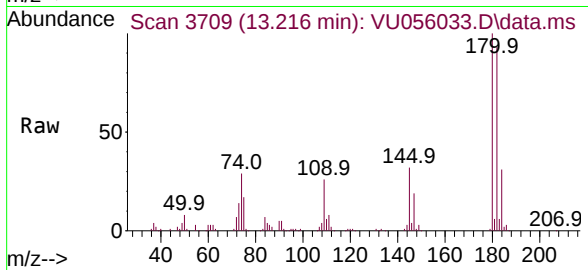
Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 151523

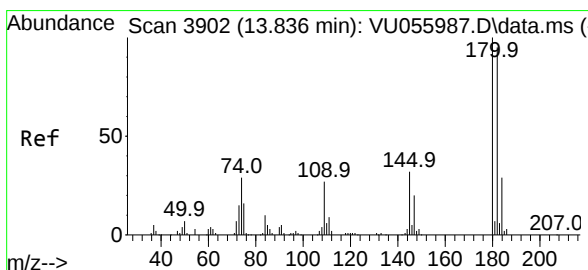
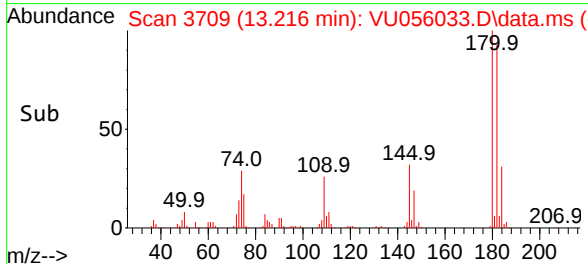
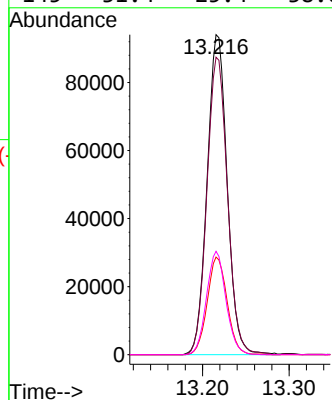
Ion Ratio Lower Upper

180 100

182 95.1 74.7 112.1

184 30.2 23.8 35.8

145 31.4 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 5.987 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

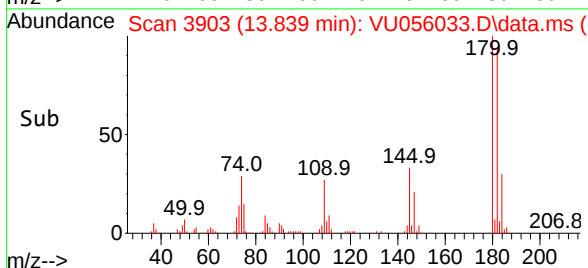
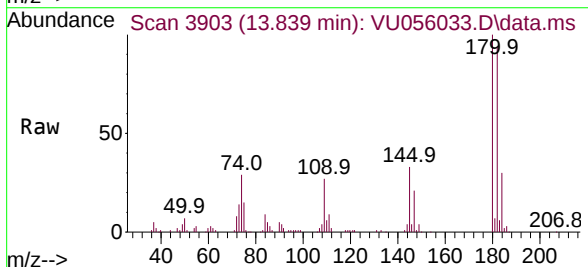
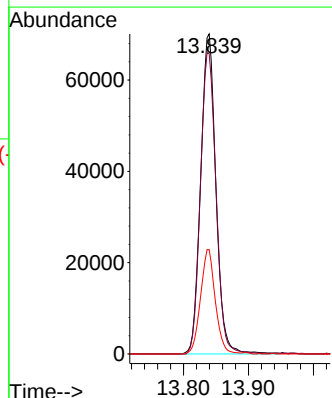
Tgt Ion:180 Resp: 115011

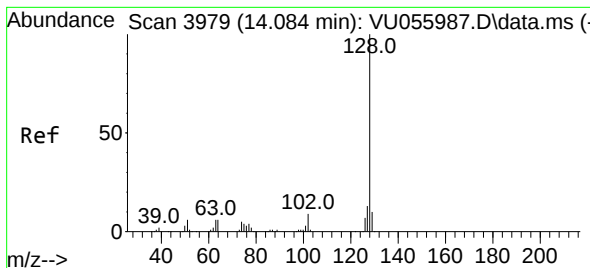
Ion Ratio Lower Upper

180 100

182 96.1 76.1 114.1

145 31.5 26.4 39.6





#71

Naphthalene

Concen: 5.721 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Instrument :

MSVOA_U

ClientSampleId :

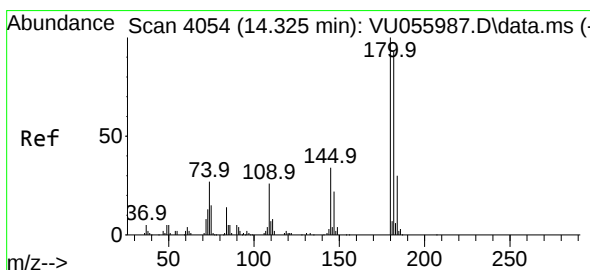
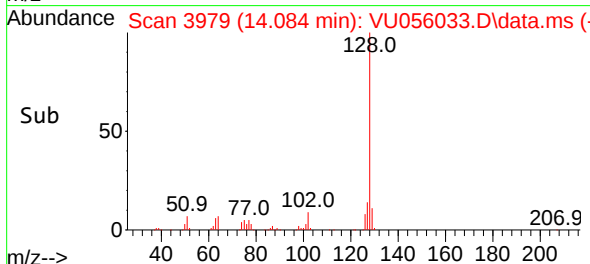
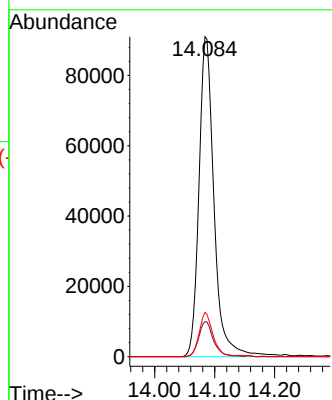
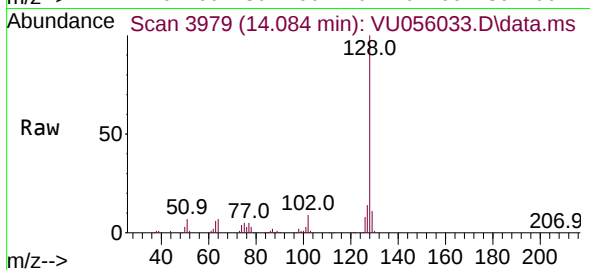
Tgt Ion:128 Resp: 159158

Ion Ratio Lower Upper

128 100

129 10.8 8.3 12.5

127 12.7 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 5.870 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU056033.D

Acq: 01 Nov 2023 09:59

Tgt Ion:180 Resp: 97230

Ion Ratio Lower Upper

180 100

182 95.6 74.6 112.0

145 34.3 27.4 41.2

