

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110623\
 Data File : VU056086.D
 Acq On : 06 Nov 2023 16:19
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 07 04:10:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 07 04:07:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	325828	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	315601	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	157780	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	93101	3.612	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.200%
7) Chloroethane-d5	1.914	69	80729	4.018	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.400%
11) 1,1-Dichloroethene-d2	2.564	65	43283	3.956	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.200%
20) 2-Butanone-d5	4.634	46	250948	54.576	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.160%
24) Chloroform-d	5.059	84	223267	4.675	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.698	65	104198	4.478	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	5.724	84	430271	4.577	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.689	67	134269	4.818	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.895	98	380646	4.463	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	8.177	79	50613	4.643	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.631	63	210149	75.951	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	151.900%#
56) 1,1,2,2-Tetrachloroeth...	10.753	84	104617	5.155	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	138789	4.715	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.387	85	70576	3.801	ug/L	99
3) Chloromethane	1.519	50	62830	3.544	ug/L	98
5) Vinyl chloride	1.605	62	70887	3.630	ug/L	99
6) Bromomethane	1.859	94	45573	3.767	ug/L	100
8) Chloroethane	1.933	64	45247	3.954	ug/L	99
9) Trichlorofluoromethane	2.136	101	115692	4.295	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.580	101	81773	4.621	ug/L	100
12) 1,1-Dichloroethene	2.580	96	68516	4.339	ug/L	83
13) Acetone	2.644	43	106836	40.773	ug/L	96
14) Carbon disulfide	2.792	76	146340	3.619	ug/L	100
15) Methyl Acetate	2.959	43	25665	4.808	ug/L	98
16) Methylene chloride	3.043	84	87575	4.894	ug/L	96
17) Methyl tert-butyl Ether	3.361	73	177575	4.634	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	68560	4.379	ug/L	96
19) 1,1-Dichloroethane	3.863	63	148362	4.667	ug/L	96
21) 2-Butanone	4.715	43	164040	42.587	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	85516	4.511	ug/L	95
23) Bromochloromethane	4.975	128	37147	4.810	ug/L	95
25) Chloroform	5.084	83	163051	4.783	ug/L	100

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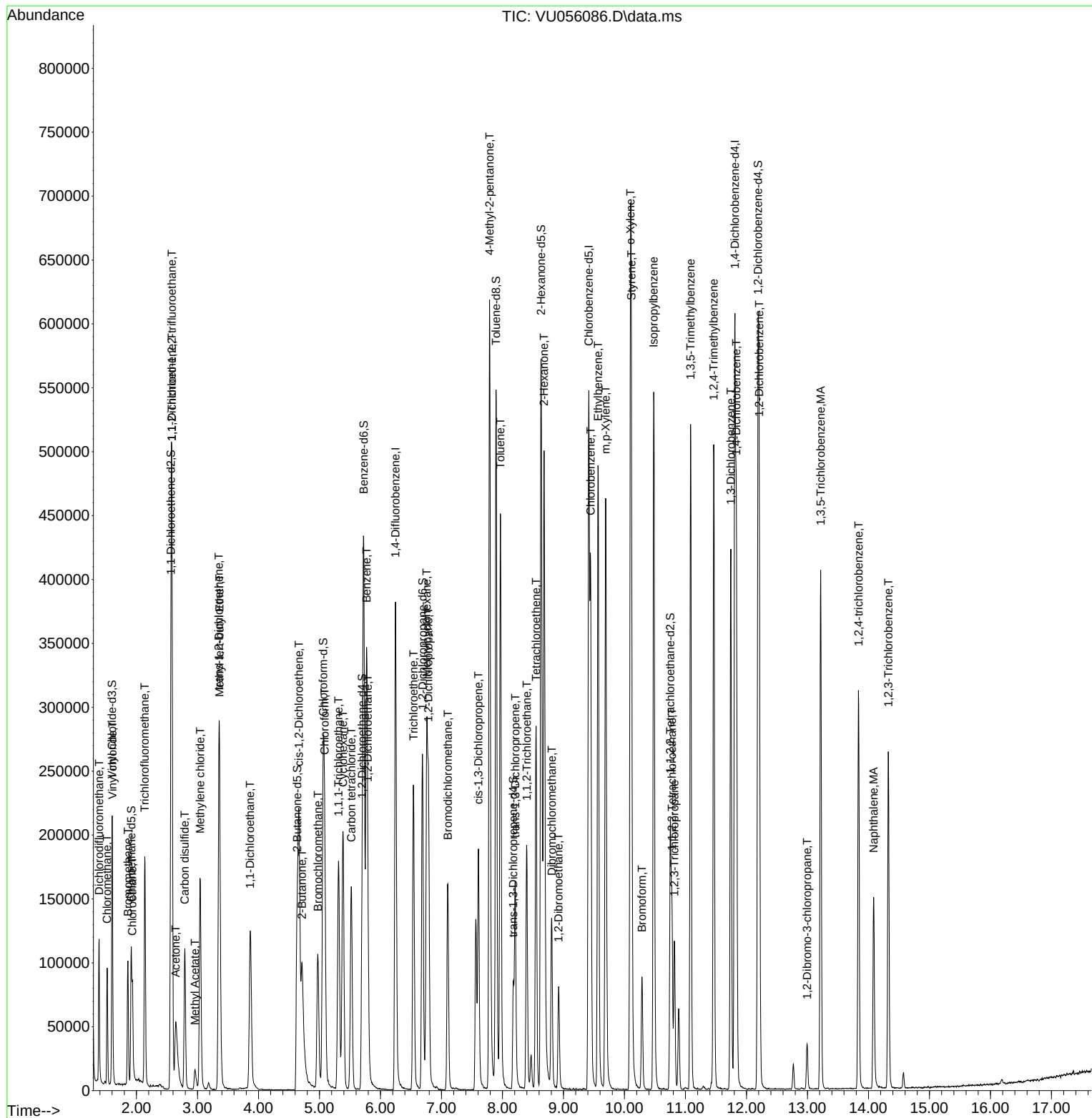
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	84969	4.243	ug/L	99
29) 1,1,1-Trichloroethane	5.313	97	135752	4.719	ug/L	98
30) Cyclohexane	5.383	56	100822	4.154	ug/L	99
31) Carbon tetrachloride	5.522	117	112287	4.576	ug/L	94
33) Benzene	5.772	78	319373	4.586	ug/L	100
34) Trichloroethene	6.541	95	86303	4.430	ug/L	98
35) Methylcyclohexane	6.760	83	112874	4.293	ug/L	96
37) 1,2-Dichloropropane	6.785	63	89658	4.848	ug/L	100
38) Bromodichloromethane	7.104	83	114402	4.928	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	123320	4.681	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	399006	44.759	ug/L	97
42) Toluene	7.965	91	344094	4.727	ug/L	99
44) trans-1,3-Dichloropropene	8.210	75	99468	4.677	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	63445	4.879	ug/L	97
47) Tetrachloroethene	8.550	164	64794	4.749	ug/L	96
48) 2-Hexanone	8.682	43	312478	44.581	ug/L	99
49) Dibromochloromethane	8.808	129	70978	4.973	ug/L	100
50) 1,2-Dibromoethane	8.920	107	55027	4.664	ug/L	98
51) Chlorobenzene	9.444	112	225392	4.725	ug/L	97
52) Ethylbenzene	9.566	91	377274	4.572	ug/L	99
53) m,p-Xylene	9.692	106	142669	4.627	ug/L	98
54) o-Xylene	10.097	106	140491	4.656	ug/L	98
55) Styrene	10.113	104	234714	4.853	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	73116	4.858	ug/L #	98
59) Bromoform	10.287	173	40615	5.060	ug/L #	98
60) Isopropylbenzene	10.480	105	374043	4.758	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	51454	4.750	ug/L	95
62) 1,3,5-Trimethylbenzene	11.084	105	293969	4.575	ug/L	99
63) 1,2,4-Trimethylbenzene	11.464	105	288374	4.831	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	178761	4.796	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	175168	4.709	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	167856	4.905	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	9957	5.151	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	132355	5.197	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	98411	5.228	ug/L	98
71) Naphthalene	14.084	128	134274	4.926	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	82335	5.073	ug/L	98

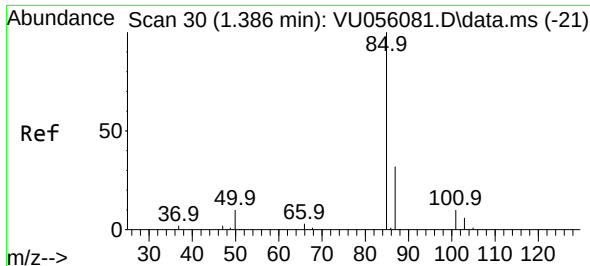
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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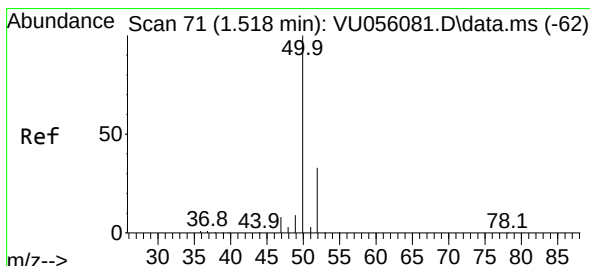
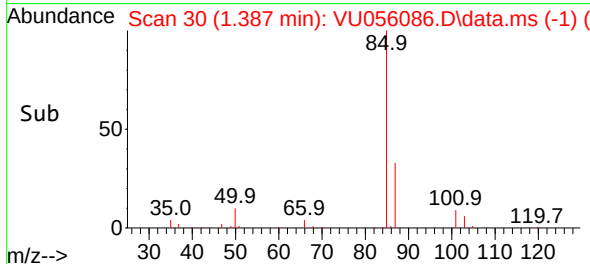
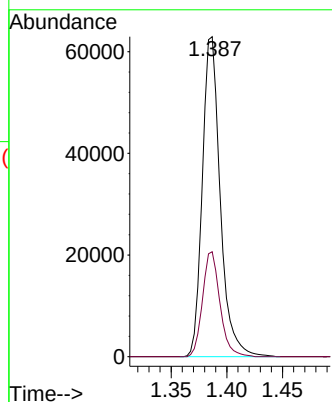
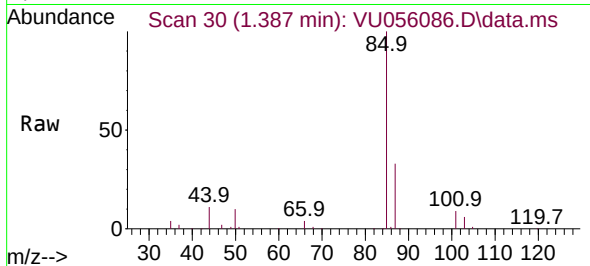




#2
 Dichlorodifluoromethane
 Concen: 3.801 ug/L
 RT: 1.387 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: VU056086.D
 Acq: 06 Nov 2023 16:19

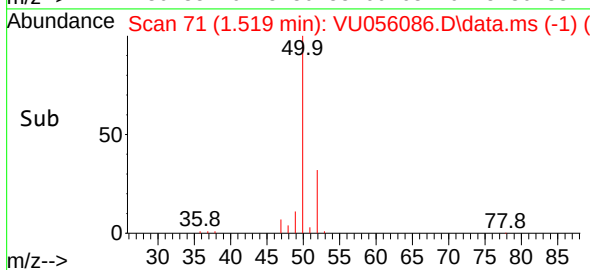
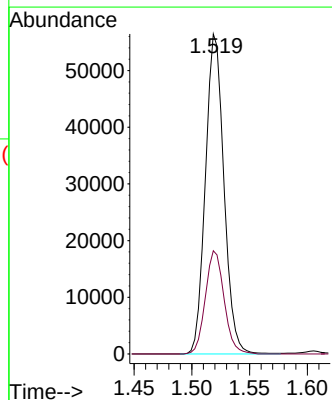
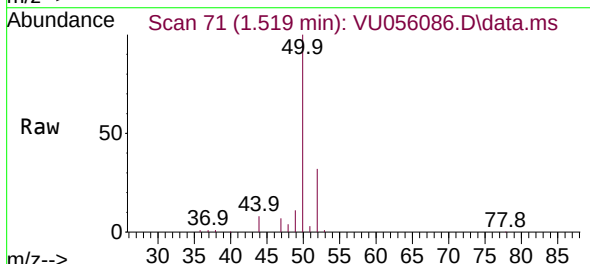
Instrument :
 MSVOA_U
 ClientSampleId :

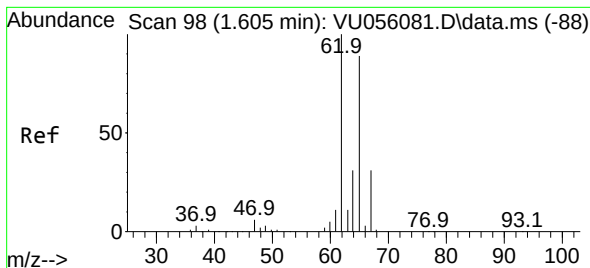
Tgt Ion: 85 Resp: 70576
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.0 37.4



#3
 Chloromethane
 Concen: 3.544 ug/L
 RT: 1.519 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU056086.D
 Acq: 06 Nov 2023 16:19

Tgt Ion: 50 Resp: 62830
 Ion Ratio Lower Upper
 50 100
 52 32.3 22.0 40.8





#5

Vinyl chloride

Concen: 3.630 ug/L

RT: 1.605 min Scan# 98

Delta R.T. 0.000 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

Instrument :

MSVOA_U

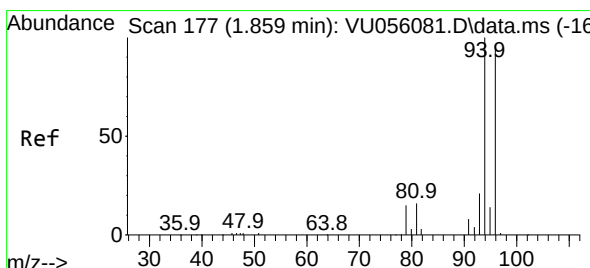
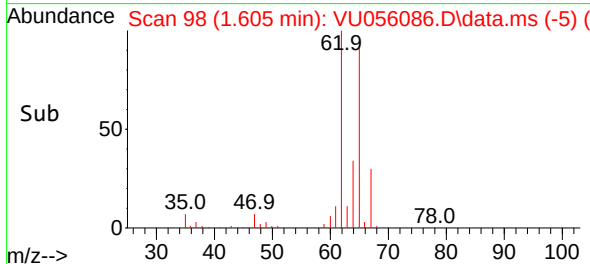
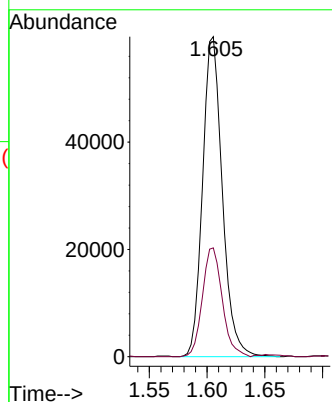
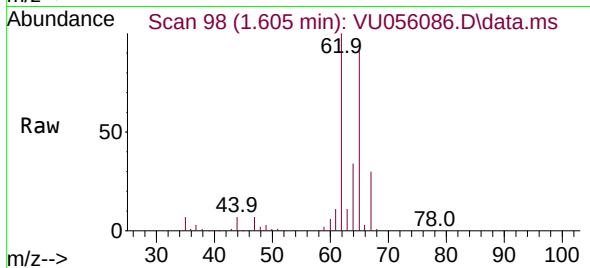
ClientSampleId :

Tgt Ion: 62 Resp: 70887

Ion Ratio Lower Upper

62 100

64 34.0 24.2 45.0



#6

Bromomethane

Concen: 3.767 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.000 min

Lab File: VU056086.D

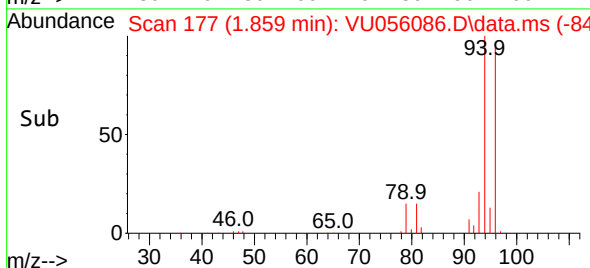
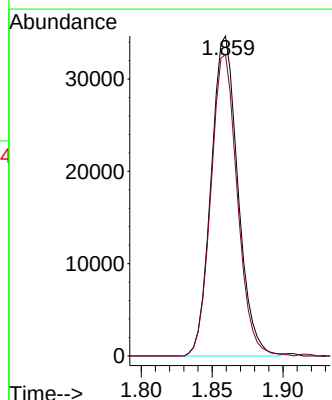
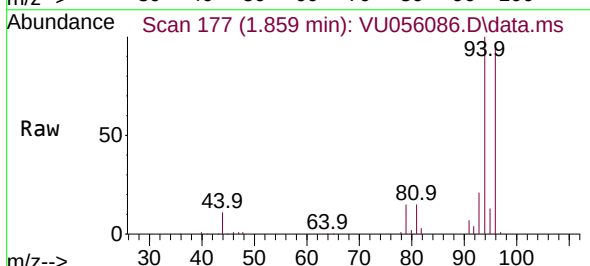
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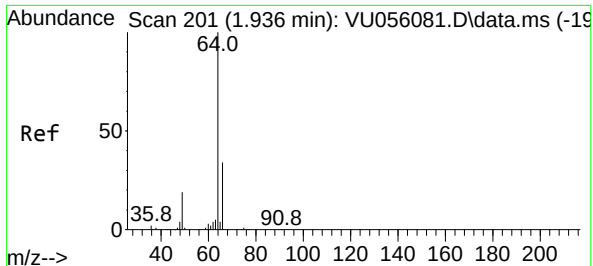
Tgt Ion: 94 Resp: 45573

Ion Ratio Lower Upper

94 100

96 94.2 65.9 122.5

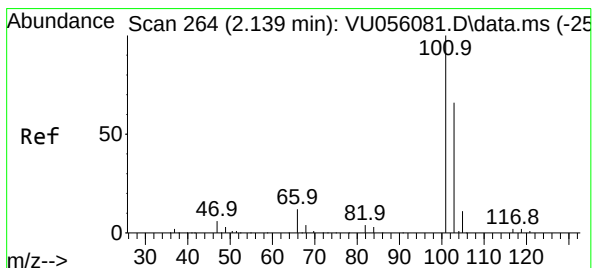
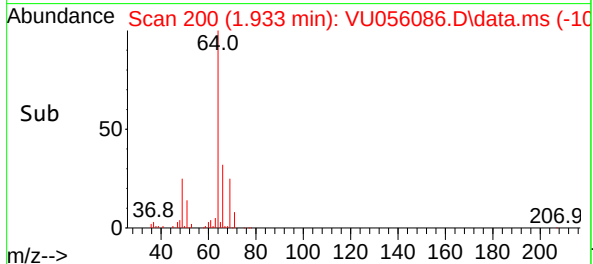
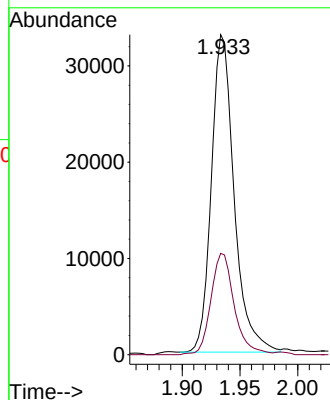
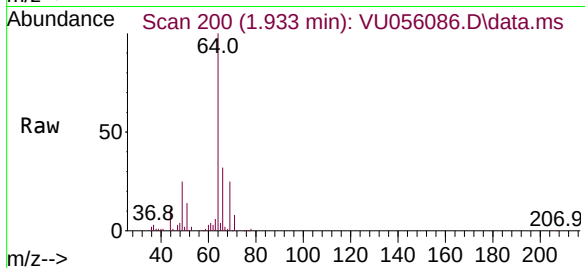




#8
Chloroethane
Concen: 3.954 ug/L
RT: 1.933 min Scan# 201
Delta R.T. -0.003 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

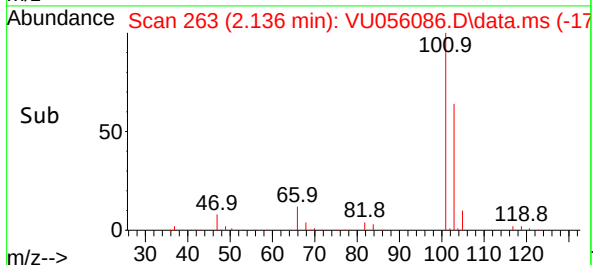
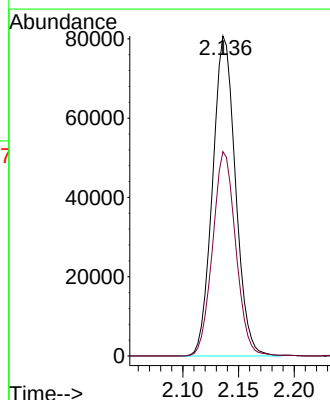
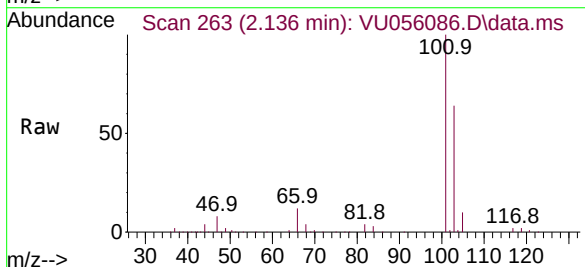
Instrument :
MSVOA_U
ClientSampleId :

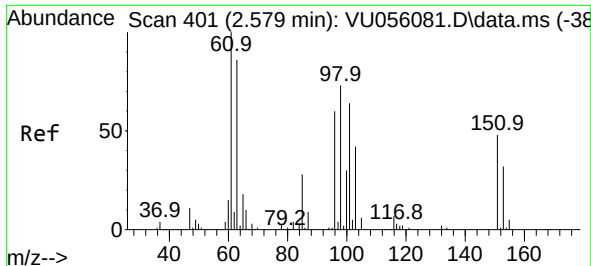
Tgt Ion: 64 Resp: 45247
Ion Ratio Lower Upper
64 100
66 31.7 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.295 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.003 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Tgt Ion: 101 Resp: 115692
Ion Ratio Lower Upper
101 100
103 64.4 52.2 78.2

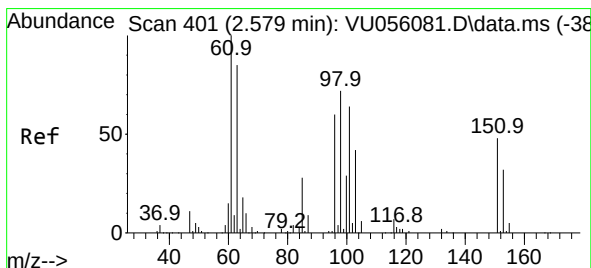
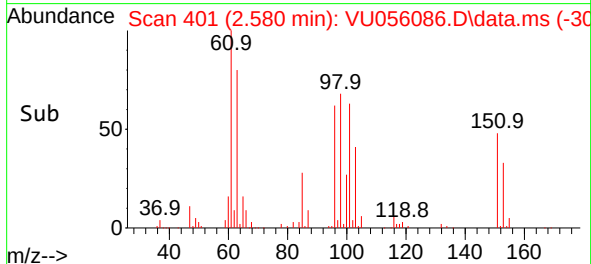
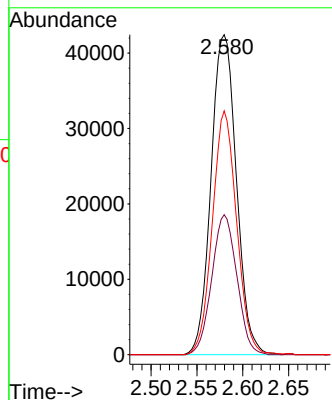
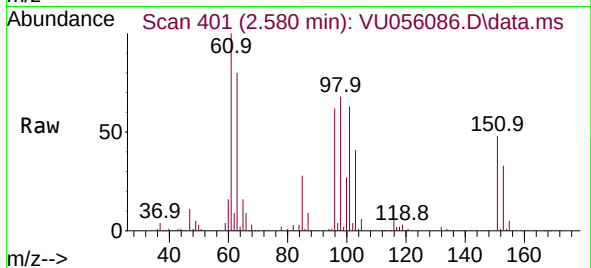




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.621 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU056086.D
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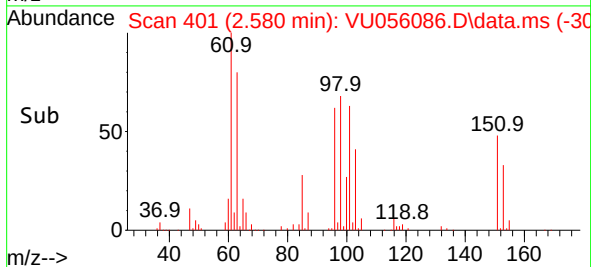
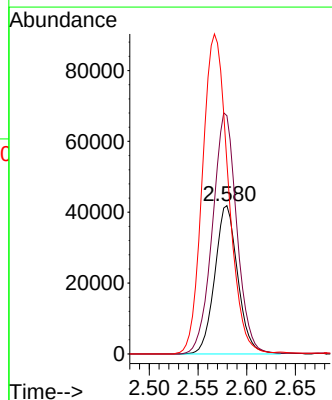
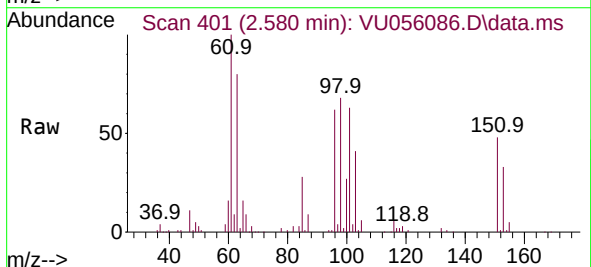
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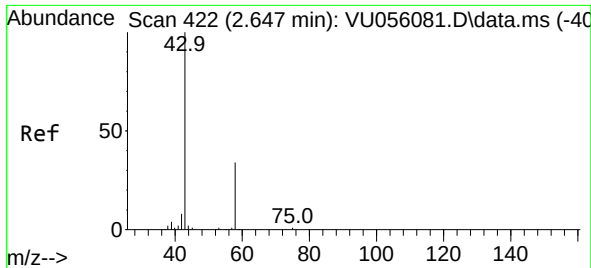
Tgt Ion:101 Resp: 81773
 Ion Ratio Lower Upper
 101 100
 85 43.2 34.4 51.6
 151 72.8 58.4 87.6



#12
 1,1-Dichloroethene
 Concen: 4.339 ug/L
 RT: 2.580 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU056086.D
 Acq: 06 Nov 2023 16:19

Tgt Ion: 96 Resp: 68516
 Ion Ratio Lower Upper
 96 100
 61 160.5 123.8 230.0
 63 128.9 111.0 206.2





#13

Acetone

Concen: 40.773 ug/L

RT: 2.644 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

Instrument :

MSVOA_U

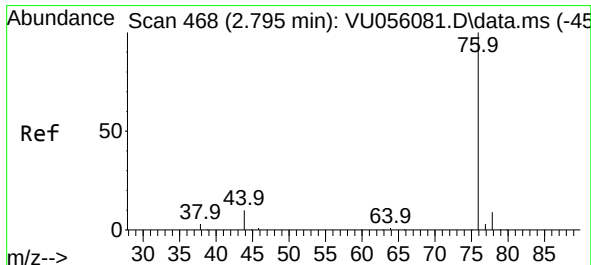
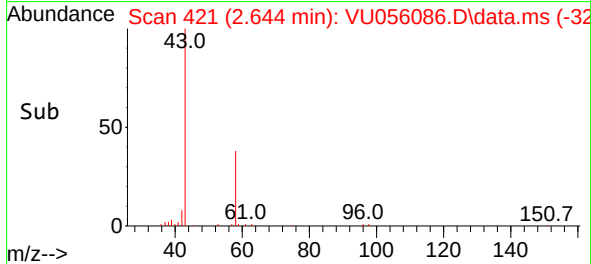
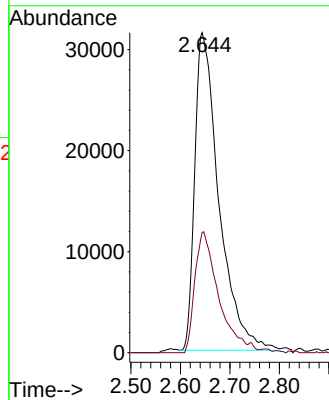
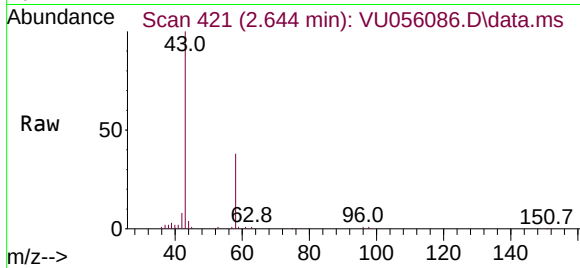
ClientSampleId :

Tgt Ion: 43 Resp: 106836

Ion Ratio Lower Upper

43 100

58 36.7 0.0 69.0



#14

Carbon disulfide

Concen: 3.619 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.003 min

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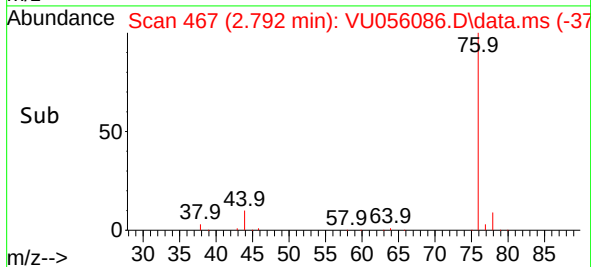
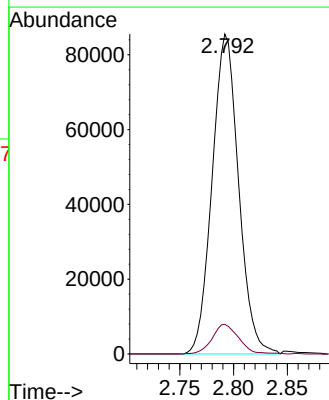
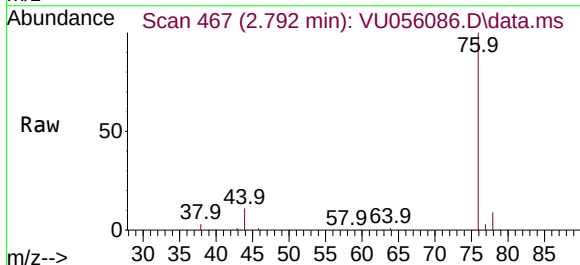
Acq: 06 Nov 2023 16:19

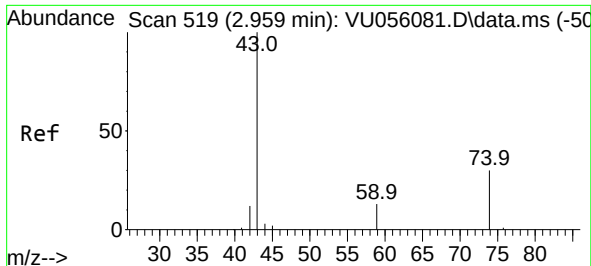
Tgt Ion: 76 Resp: 146340

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

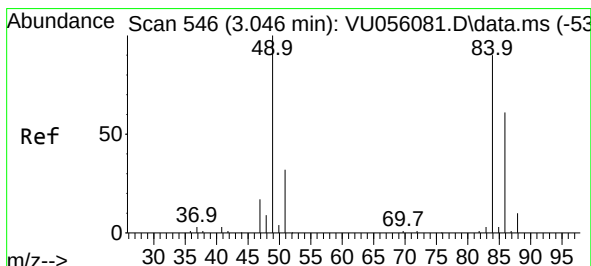
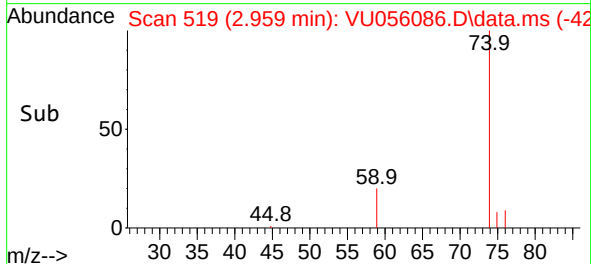
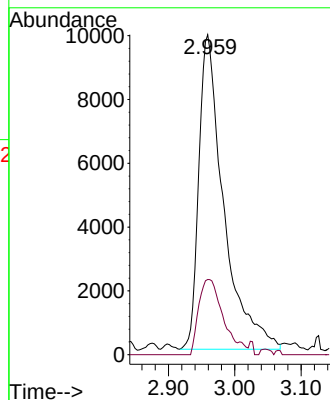
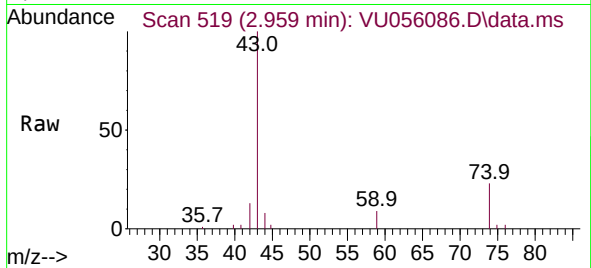




#15
Methyl Acetate
Concen: 4.808 ug/L
RT: 2.959 min Scan# 519
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

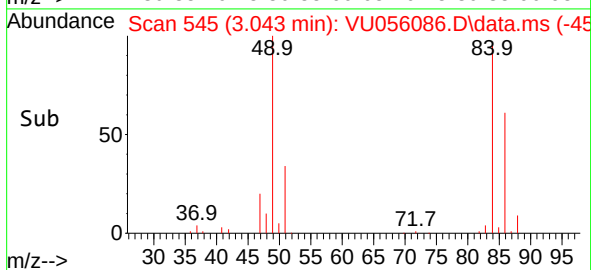
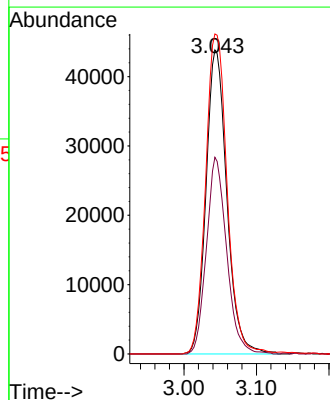
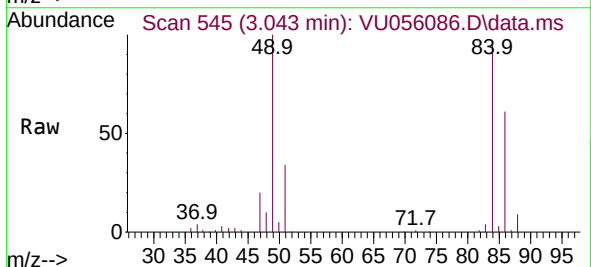
Instrument :
MSVOA_U
ClientSampleId :

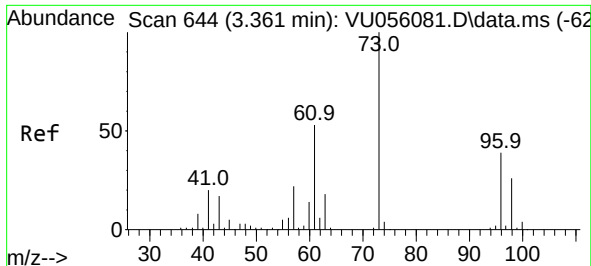
Tgt Ion: 43 Resp: 25665
Ion Ratio Lower Upper
43 100
74 23.8 19.9 29.9



#16
Methylene chloride
Concen: 4.894 ug/L
RT: 3.043 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Tgt Ion: 84 Resp: 87575
Ion Ratio Lower Upper
84 100
86 64.7 45.2 84.0
49 105.3 78.8 146.3

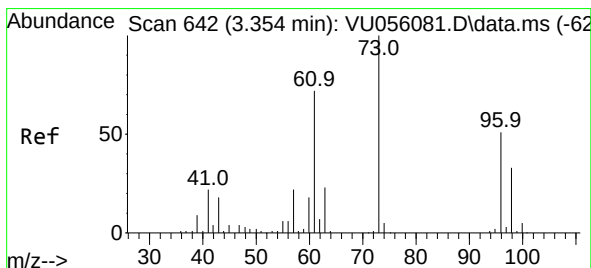
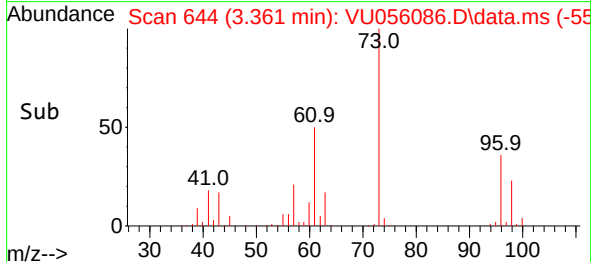
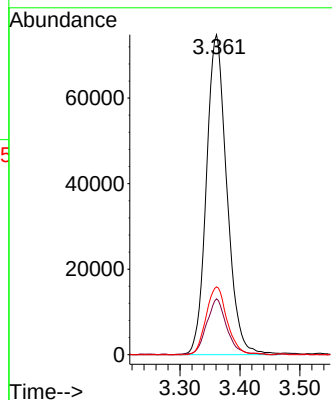
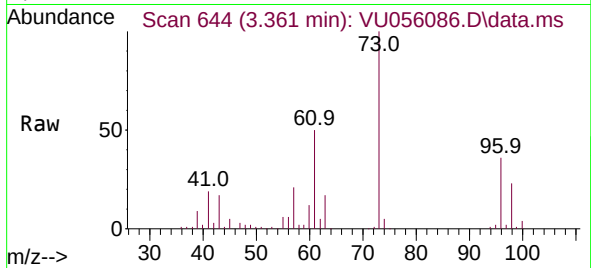




#17
Methyl tert-butyl Ether
Concen: 4.634 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

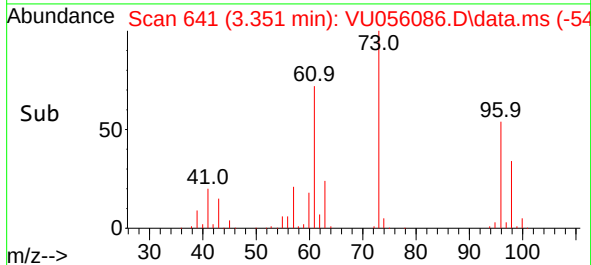
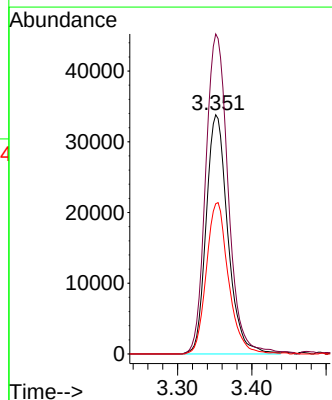
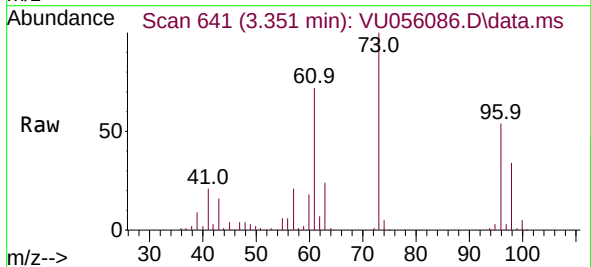
Instrument :
MSVOA_U
ClientSampleId :

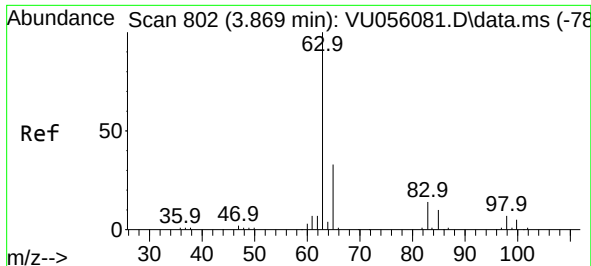
Tgt Ion: 73 Resp: 177575
Ion Ratio Lower Upper
73 100
43 17.2 14.4 21.6
57 21.8 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 4.379 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Tgt Ion: 96 Resp: 68560
Ion Ratio Lower Upper
96 100
61 133.8 97.5 181.1
98 62.9 42.7 79.3





#19

1,1-Dichloroethane

Concen: 4.667 ug/L

RT: 3.863 min Scan# 80

Delta R.T. -0.006 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

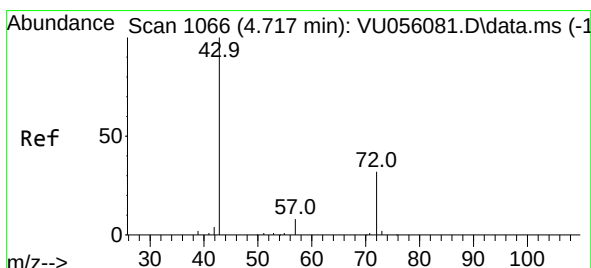
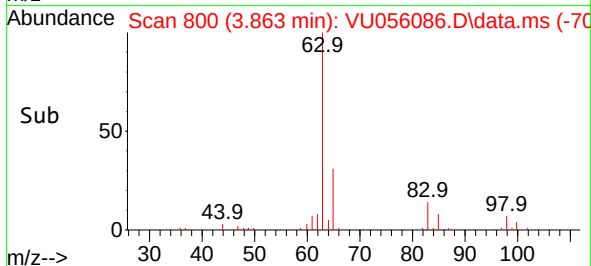
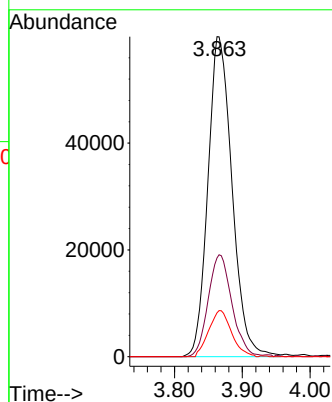
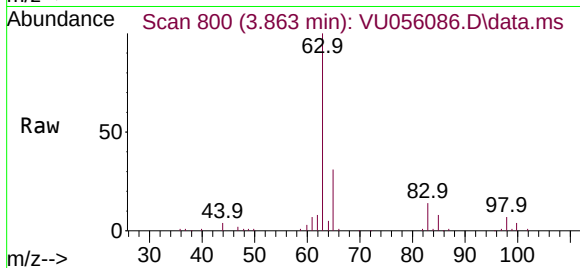
Tgt Ion: 63 Resp: 148362

Ion Ratio Lower Upper

63 100

65 30.8 23.3 43.3

83 13.7 10.5 19.5



#21

2-Butanone

Concen: 42.587 ug/L

RT: 4.715 min Scan# 1065

Delta R.T. -0.003 min

Lab File: VU056086.D

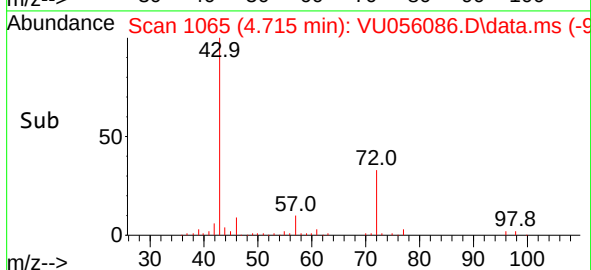
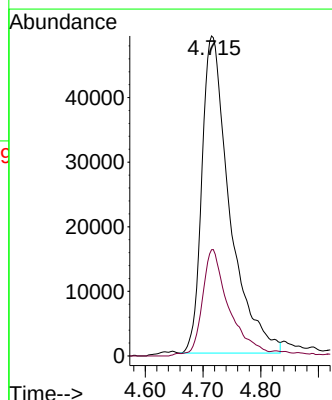
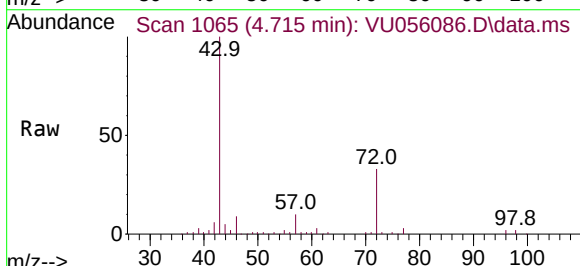
Acq: 06 Nov 2023 16:19

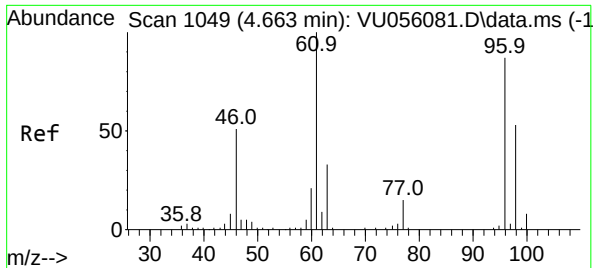
Tgt Ion: 43 Resp: 164040

Ion Ratio Lower Upper

43 100

72 32.3 14.4 43.4





#22

cis-1,2-Dichloroethene

Concen: 4.511 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

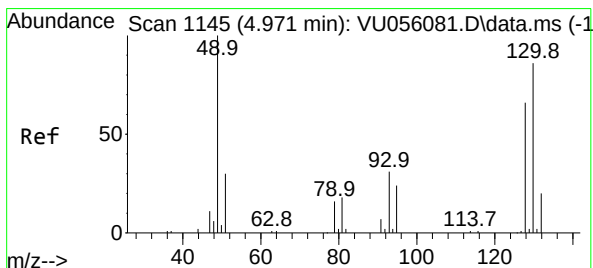
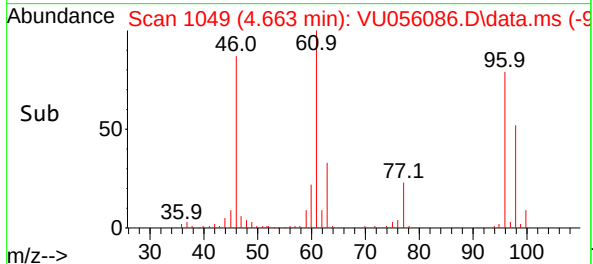
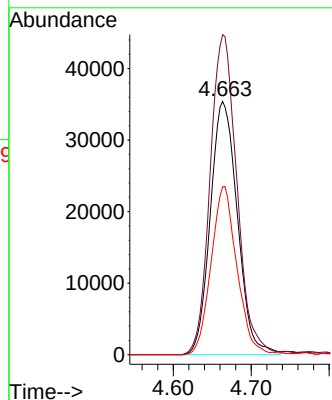
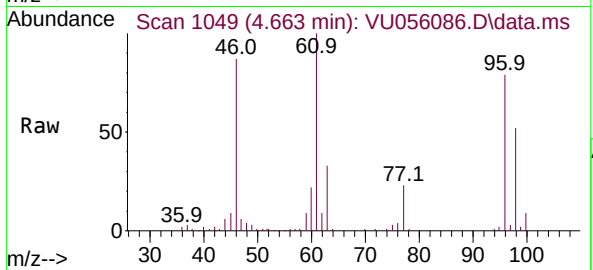
Tgt Ion: 96 Resp: 85516

Ion Ratio Lower Upper

96 100

61 126.3 93.8 174.2

98 66.3 45.6 84.8



#23

Bromochloromethane

Concen: 4.810 ug/L

RT: 4.975 min Scan# 1146

Delta R.T. 0.004 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

Tgt Ion:128 Resp: 37147

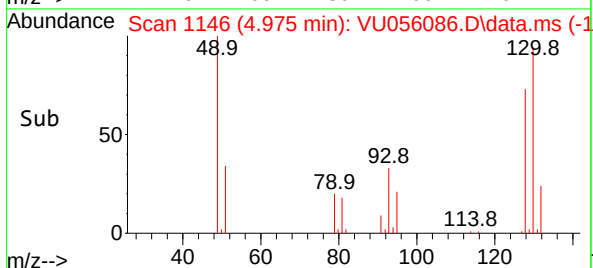
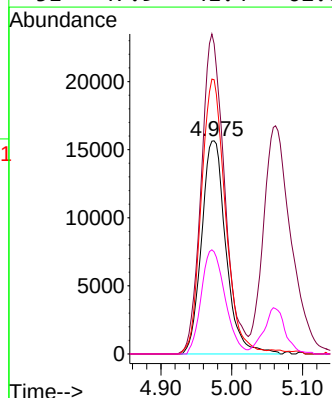
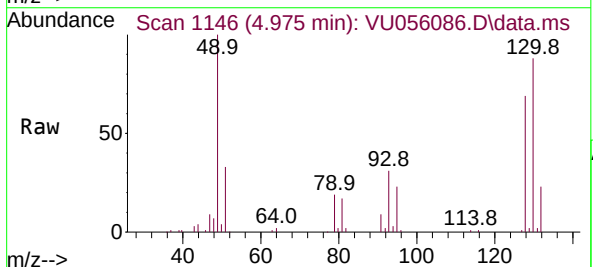
Ion Ratio Lower Upper

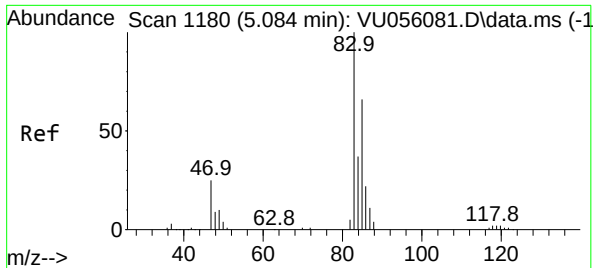
128 100

49 145.4 108.7 201.9

130 128.6 91.5 169.9

51 47.9 41.4 62.0

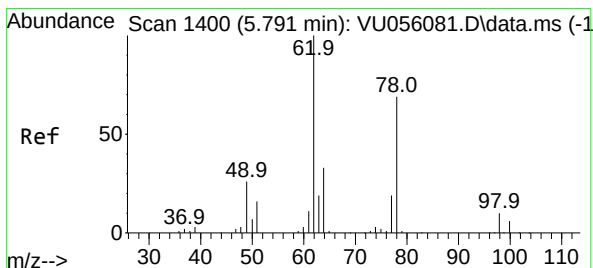
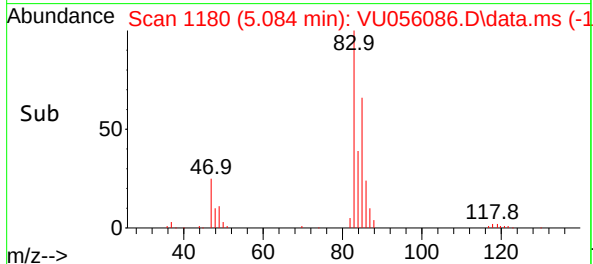
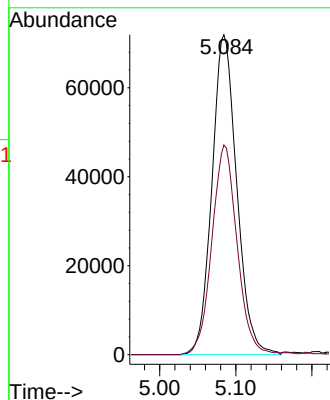
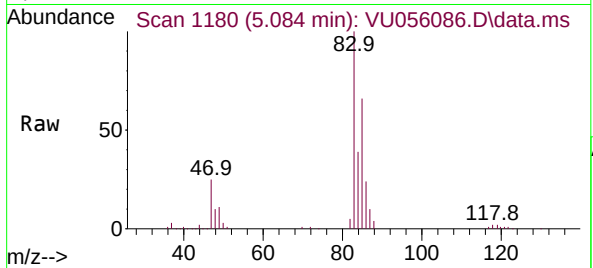




#25
Chloroform
Concen: 4.783 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

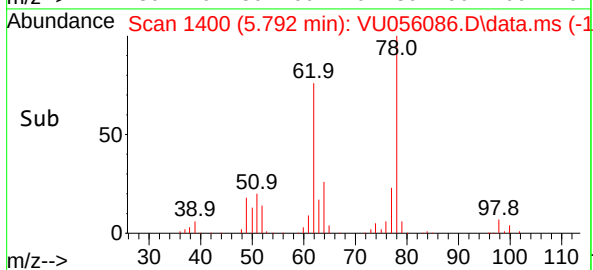
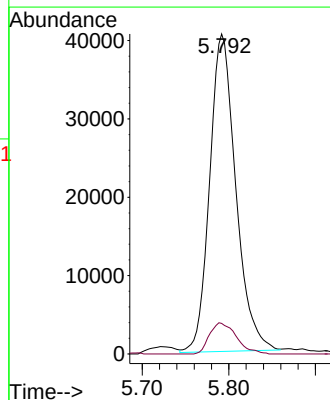
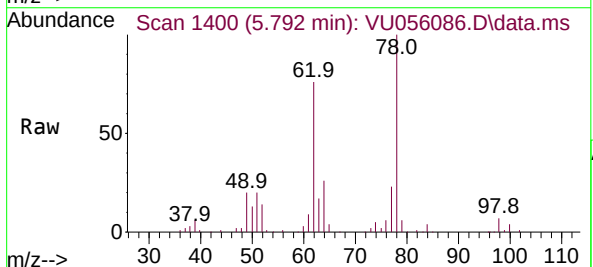
Instrument :
MSVOA_U
ClientSampleId :

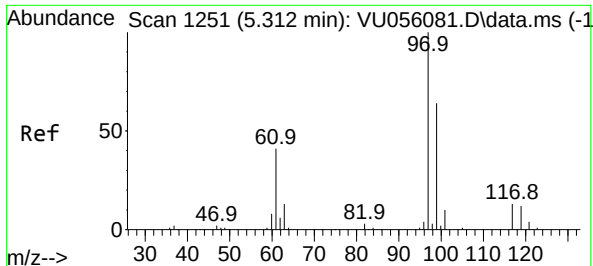
Tgt Ion: 83 Resp: 163051
Ion Ratio Lower Upper
83 100
85 65.6 45.6 84.8



#27
1,2-Dichloroethane
Concen: 4.243 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Tgt Ion: 62 Resp: 84969
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.2

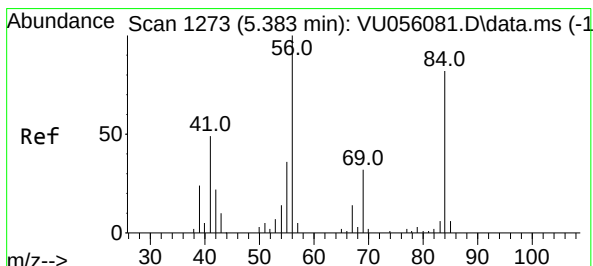
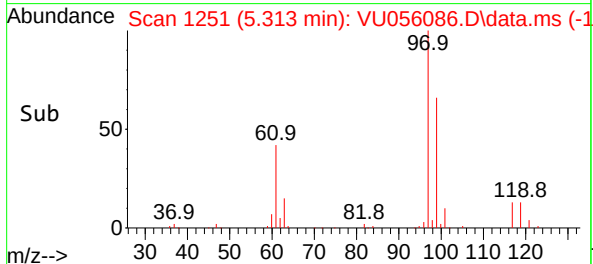
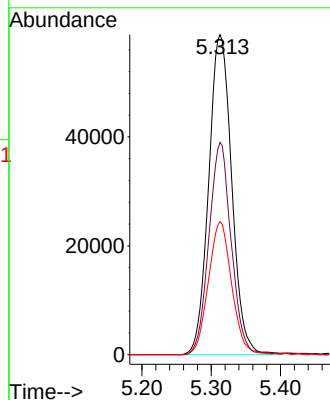
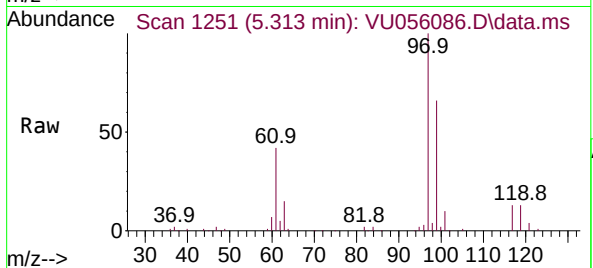




#29
1,1,1-Trichloroethane
Concen: 4.719 ug/L
RT: 5.313 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

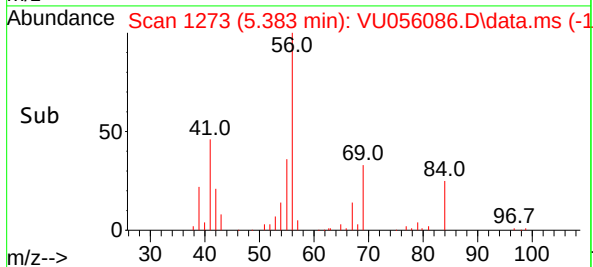
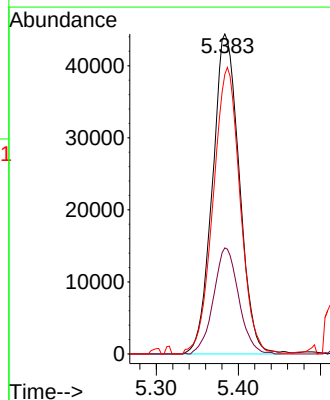
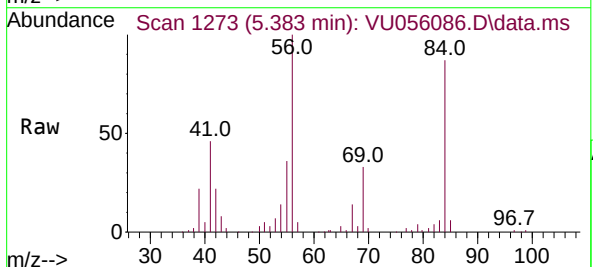
Instrument :
MSVOA_U
ClientSampleId :

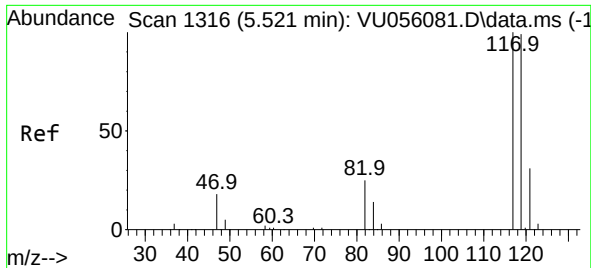
Tgt Ion: 97 Resp: 135752
Ion Ratio Lower Upper
97 100
99 64.3 50.8 76.2
61 41.9 35.0 52.4



#30
Cyclohexane
Concen: 4.154 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Tgt Ion: 56 Resp: 100822
Ion Ratio Lower Upper
56 100
69 31.2 25.4 38.2
84 90.0 71.0 106.6

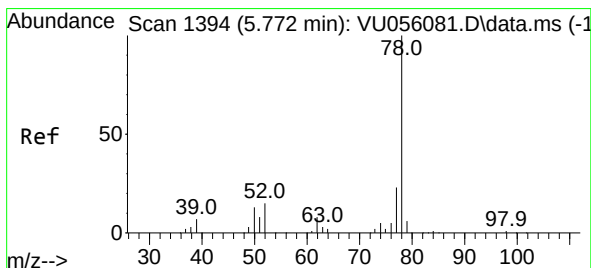
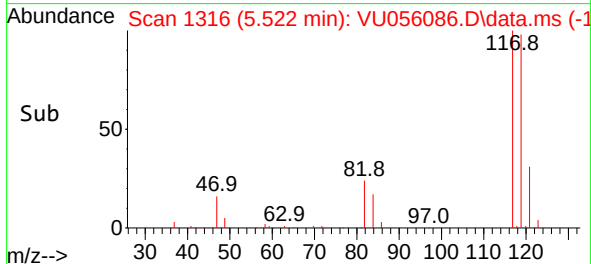
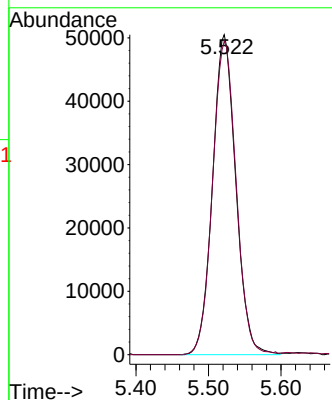
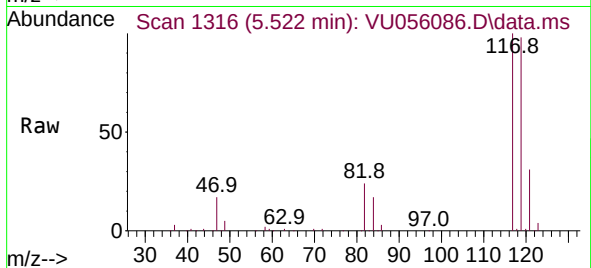




#31
Carbon tetrachloride
Concen: 4.576 ug/L
RT: 5.522 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

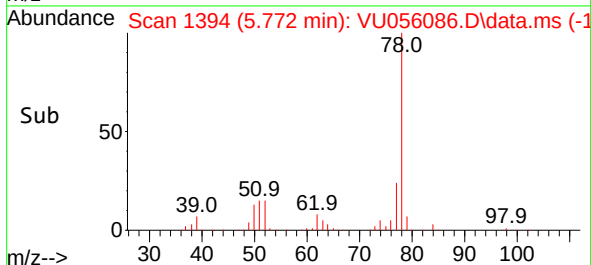
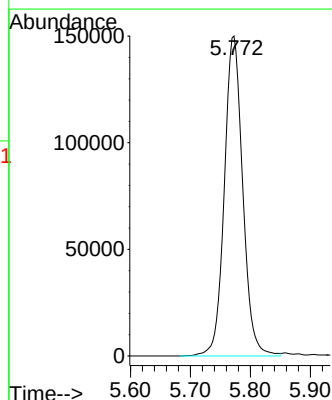
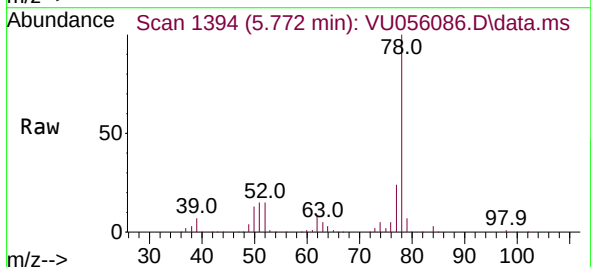
Instrument :
MSVOA_U
ClientSampleId :

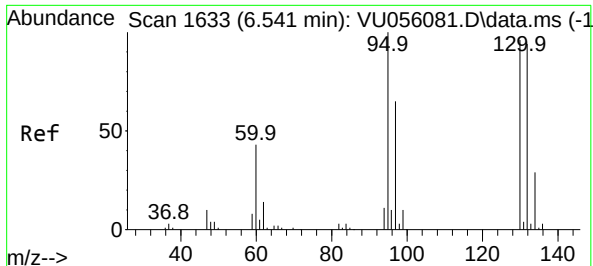
Tgt Ion:117 Resp: 112287
Ion Ratio Lower Upper
117 100
119 99.6 75.1 112.7



#33
Benzene
Concen: 4.586 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Tgt Ion: 78 Resp: 319373





#34

Trichloroethene

Concen: 4.430 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.000 min

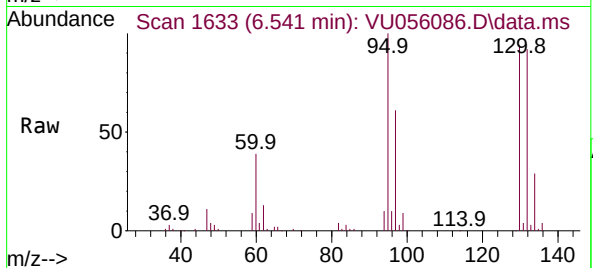
Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 86303

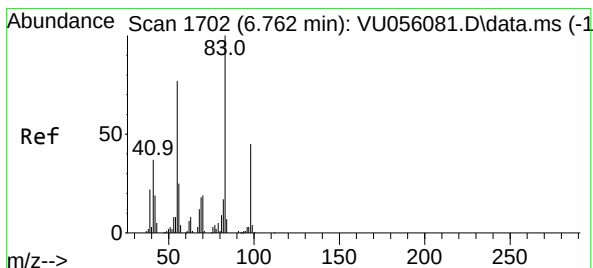
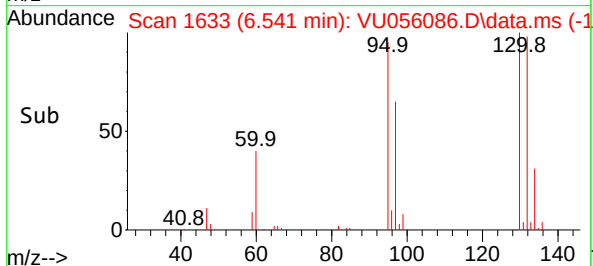
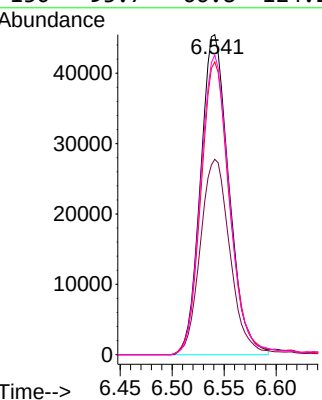
Ion Ratio Lower Upper

95 100

97 61.1 45.4 84.2

132 91.5 63.9 118.7

130 93.7 66.8 124.2



#35

Methylcyclohexane

Concen: 4.293 ug/L

RT: 6.760 min Scan# 1701

Delta R.T. -0.003 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

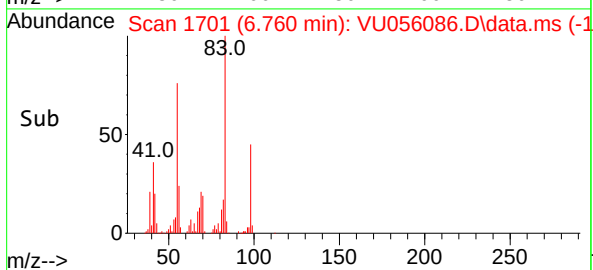
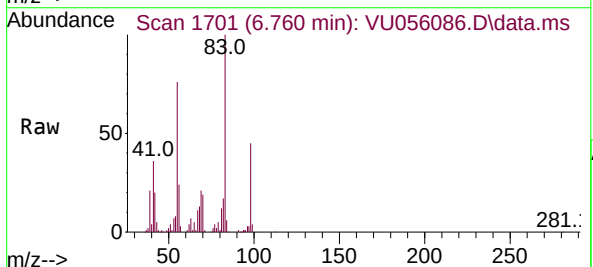
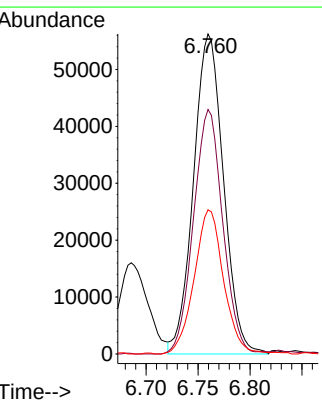
Tgt Ion: 83 Resp: 112874

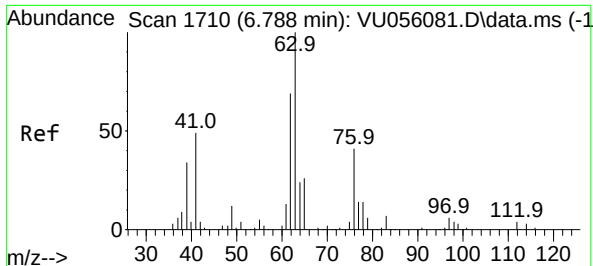
Ion Ratio Lower Upper

83 100

55 74.4 62.4 93.6

98 44.1 37.4 56.2





#37

1,2-Dichloropropane

Concen: 4.848 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

Instrument :

MSVOA_U

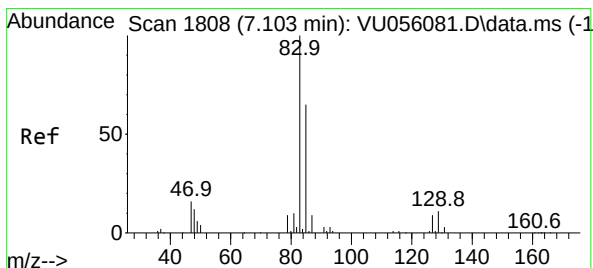
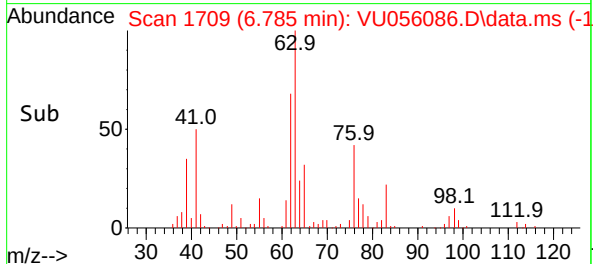
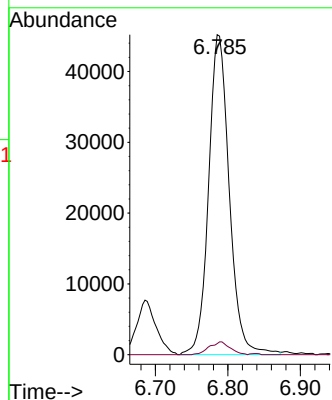
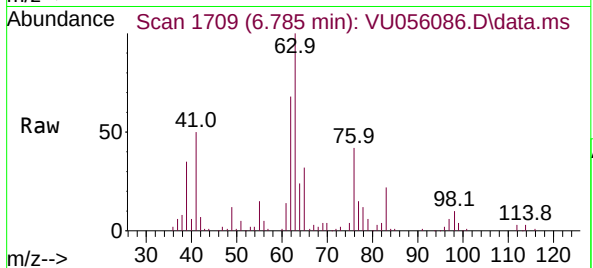
ClientSampleId :

Tgt Ion: 63 Resp: 89658

Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



#38

Bromodichloromethane

Concen: 4.928 ug/L

RT: 7.104 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

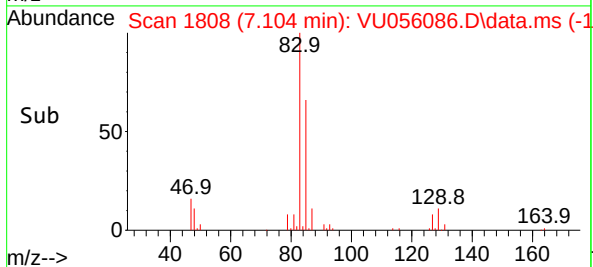
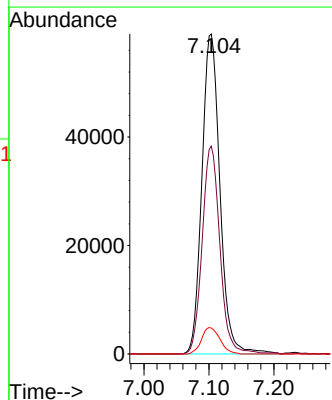
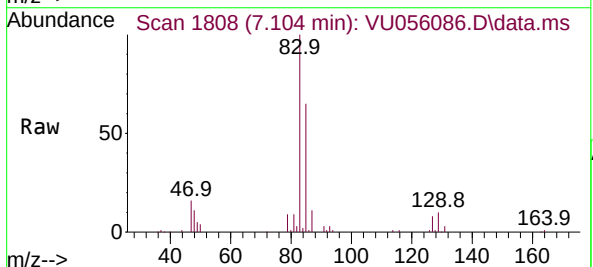
Tgt Ion: 83 Resp: 114402

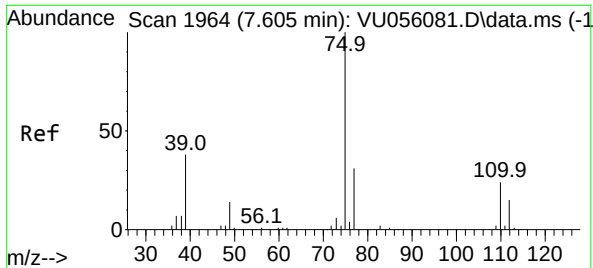
Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.3

127 8.1 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.681 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

Instrument :

MSVOA_U

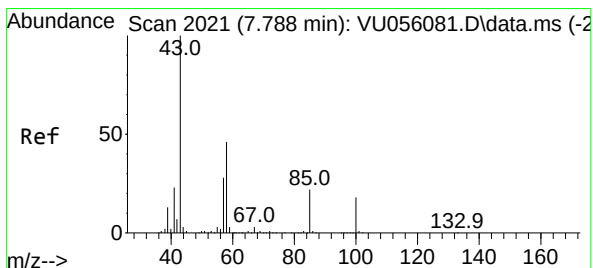
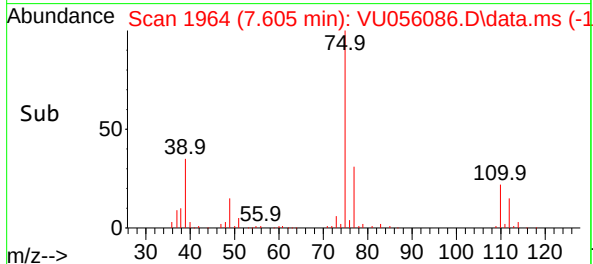
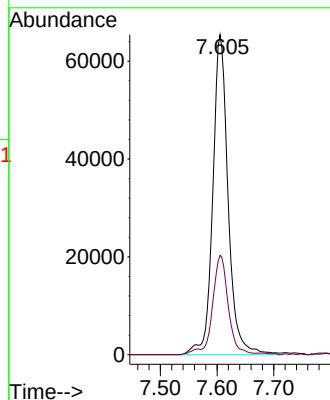
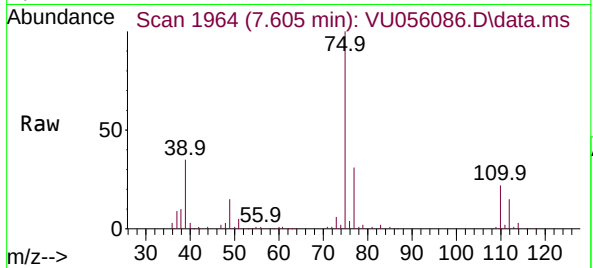
ClientSampleId :

Tgt Ion: 75 Resp: 123320

Ion Ratio Lower Upper

75 100

77 31.1 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 44.759 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

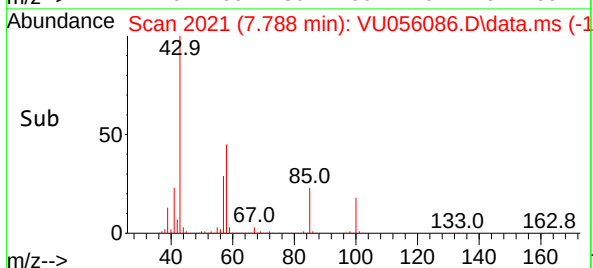
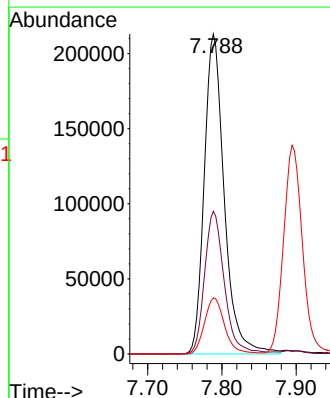
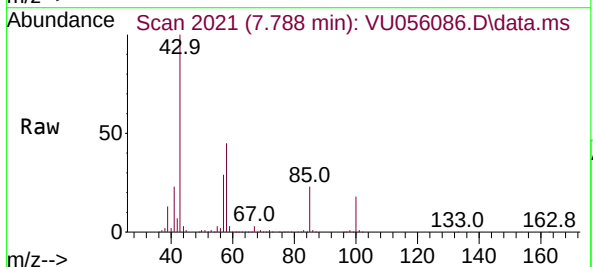
Tgt Ion: 43 Resp: 399006

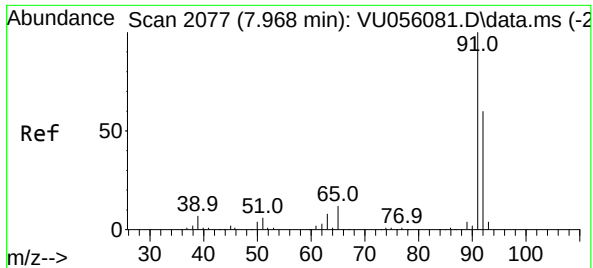
Ion Ratio Lower Upper

43 100

58 44.0 34.0 51.0

100 17.6 13.0 19.6





#42

Toluene

Concen: 4.727 ug/L

RT: 7.965 min Scan# 2077

Delta R.T. -0.003 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

Instrument :

MSVOA_U

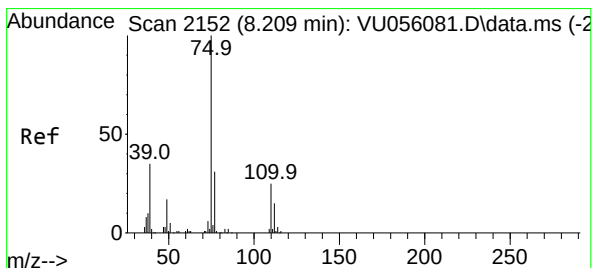
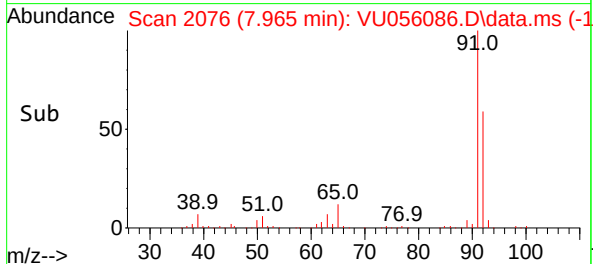
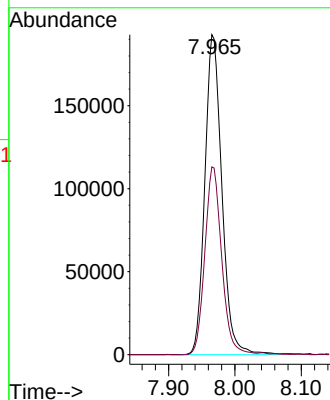
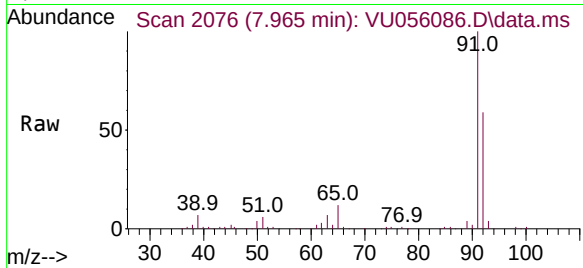
ClientSampleId :

Tgt Ion: 91 Resp: 344094

Ion Ratio Lower Upper

91 100

92 58.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.677 ug/L

RT: 8.210 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU056086.D

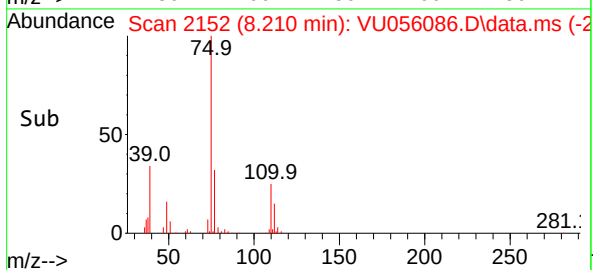
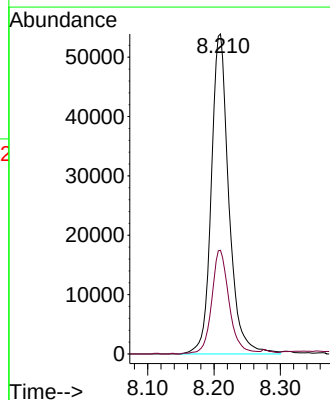
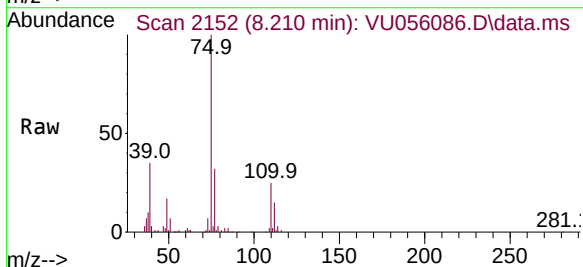
Acq: 06 Nov 2023 16:19

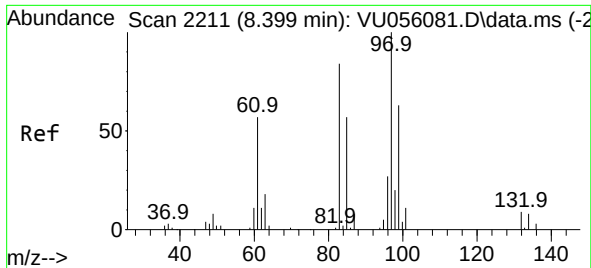
Tgt Ion: 75 Resp: 99468

Ion Ratio Lower Upper

75 100

77 32.4 21.7 40.3



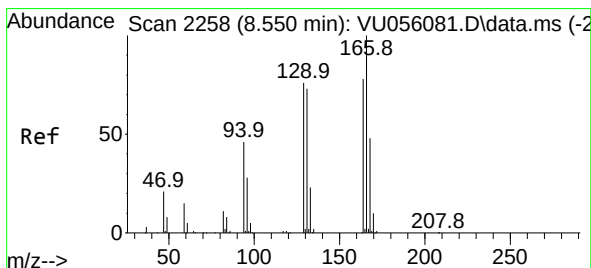
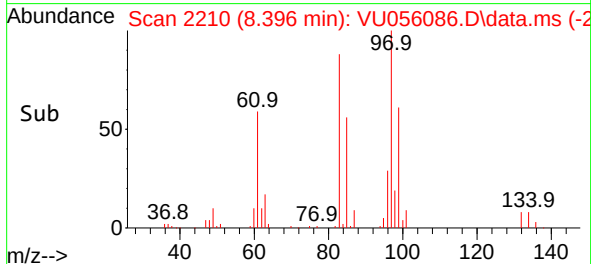
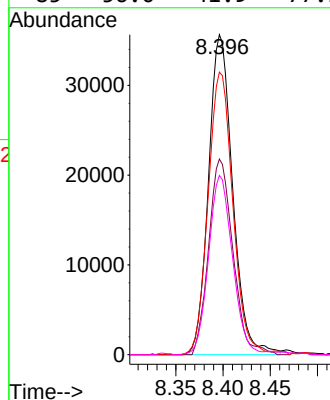
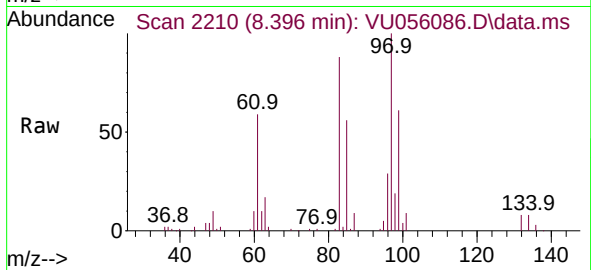


#45
1,1,2-Trichloroethane
Concen: 4.879 ug/L
RT: 8.396 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 63445

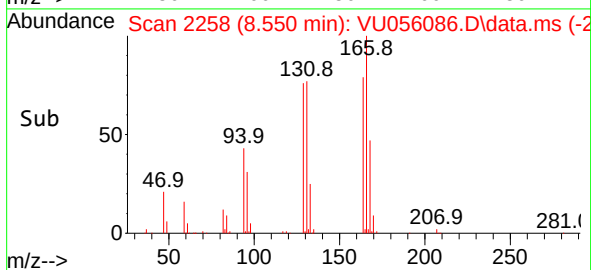
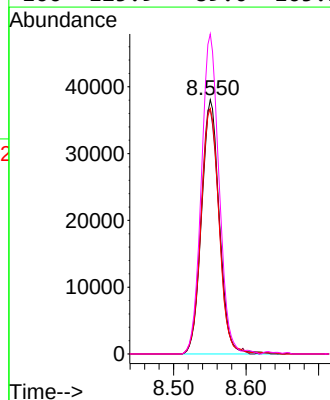
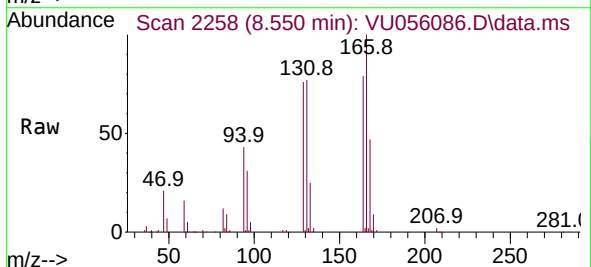
Ion	Ratio	Lower	Upper
97	100		
99	61.2	45.3	84.1
83	88.3	61.9	115.1
85	56.0	41.9	77.9

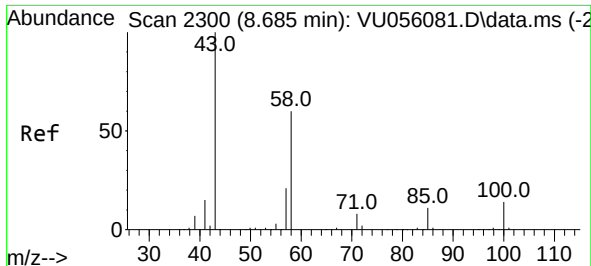


#47
Tetrachloroethene
Concen: 4.749 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Tgt Ion: 164 Resp: 64794

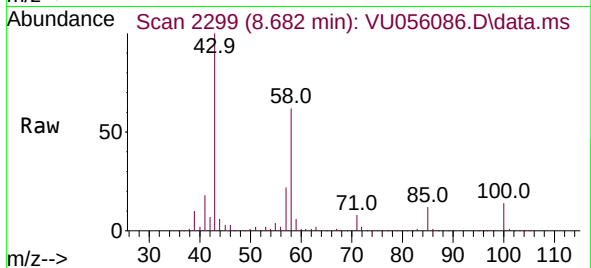
Ion	Ratio	Lower	Upper
164	100		
129	96.2	72.2	134.0
131	96.5	70.8	131.6
166	125.9	89.0	165.2



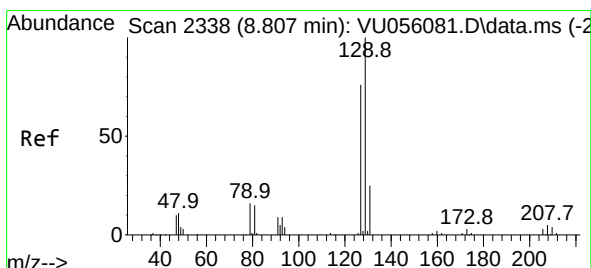
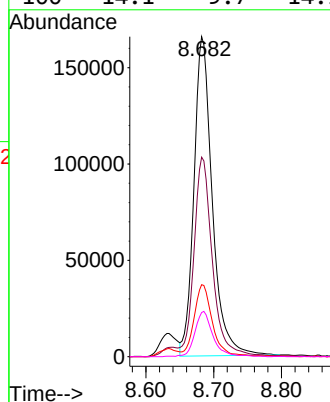
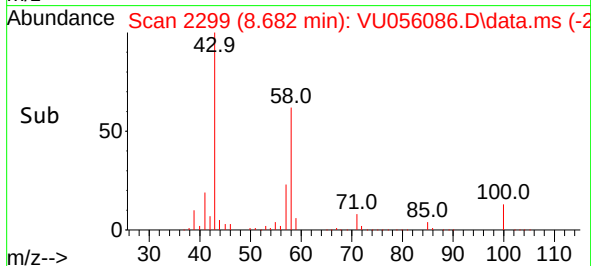


#48
2-Hexanone
Concen: 44.581 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Instrument :
MSVOA_U
ClientSampleId :

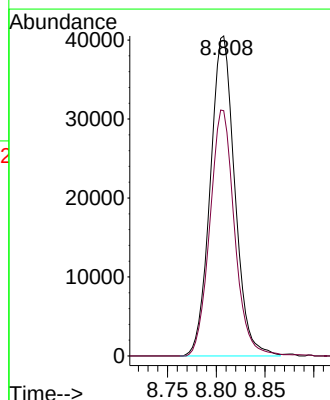
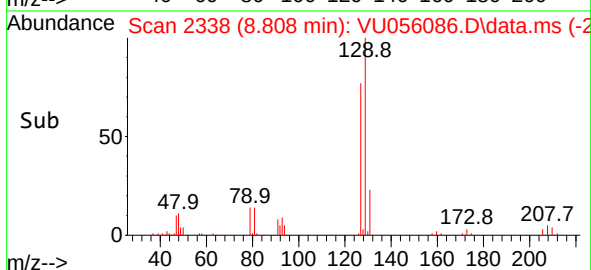
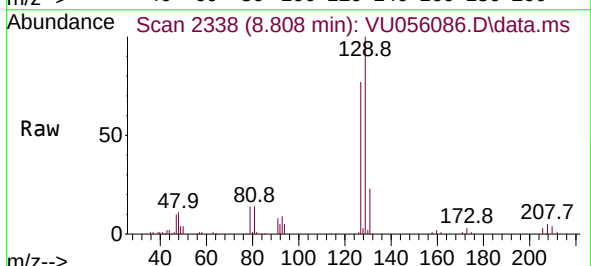


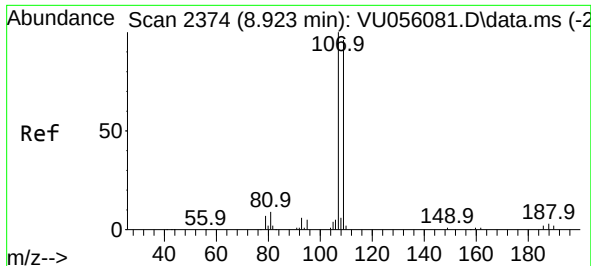
Tgt Ion: 43 Resp: 312478
Ion Ratio Lower Upper
43 100
58 62.3 49.5 74.3
57 22.0 16.9 25.3
100 14.1 9.7 14.5



#49
Dibromochloromethane
Concen: 4.973 ug/L
RT: 8.808 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Tgt Ion: 129 Resp: 70978
Ion Ratio Lower Upper
129 100
127 76.6 53.5 99.5





#50

1,2-Dibromoethane

Concen: 4.664 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.003 min

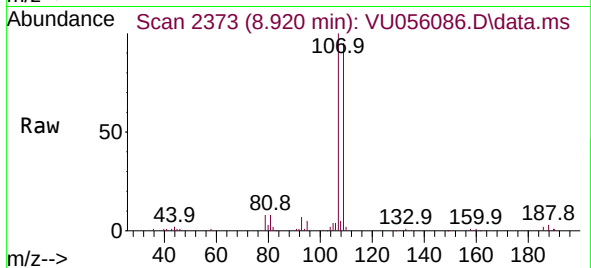
Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :



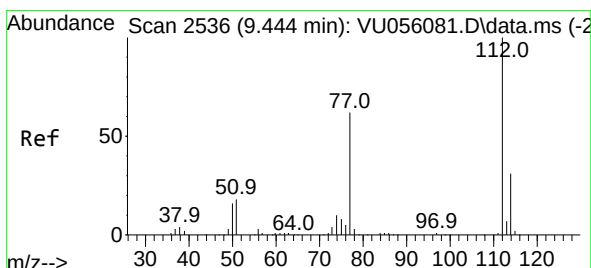
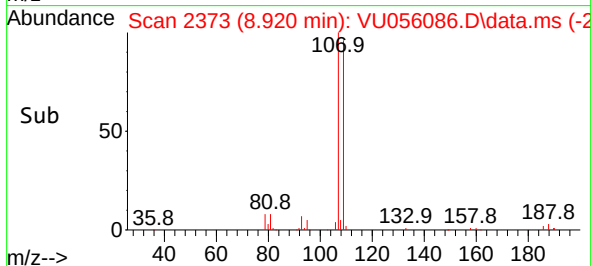
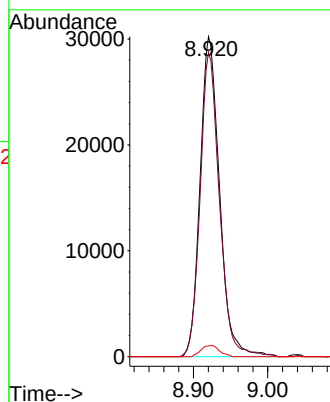
Tgt Ion:107 Resp: 55027

Ion Ratio Lower Upper

107 100

109 95.2 65.0 120.6

188 3.3 2.5 3.7



#51

Chlorobenzene

Concen: 4.725 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

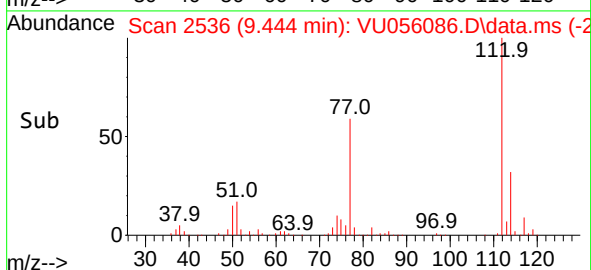
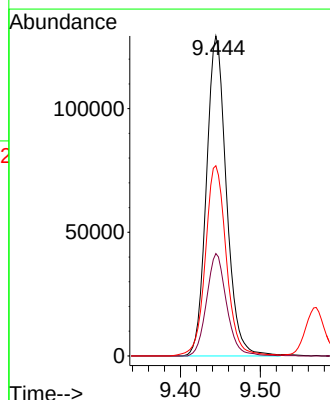
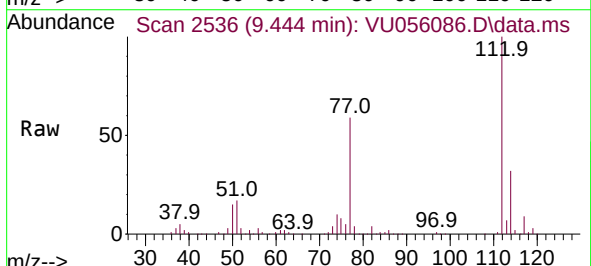
Tgt Ion:112 Resp: 225392

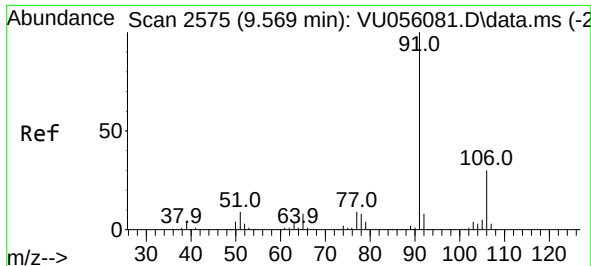
Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.5

77 59.4 49.9 74.9

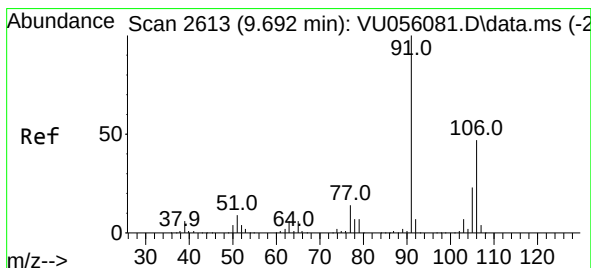
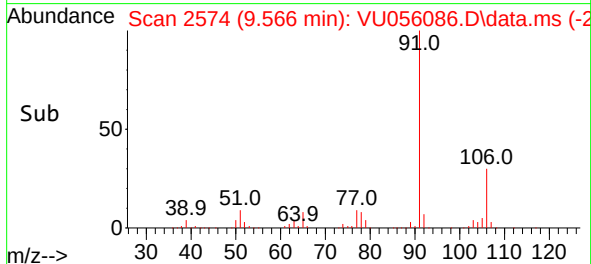
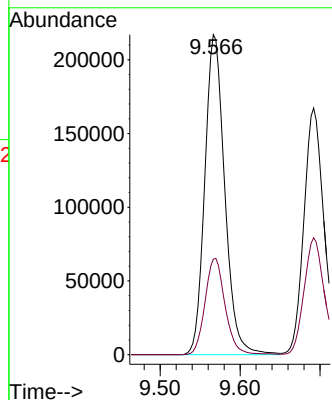
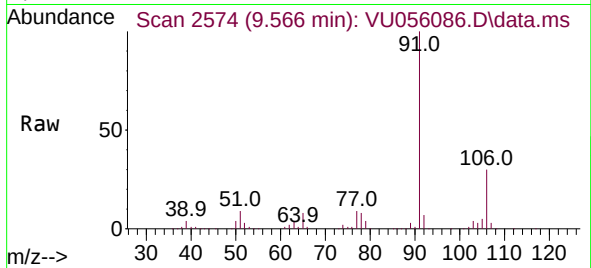




#52
Ethylbenzene
Concen: 4.572 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

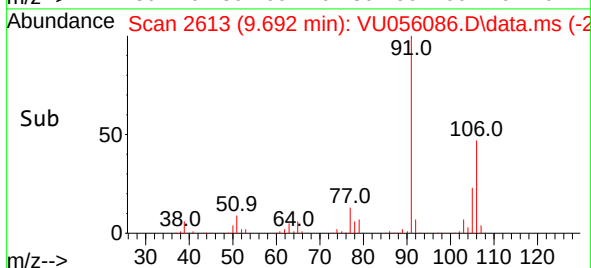
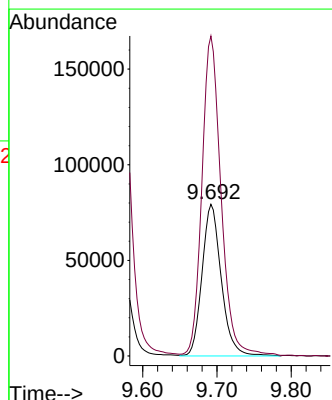
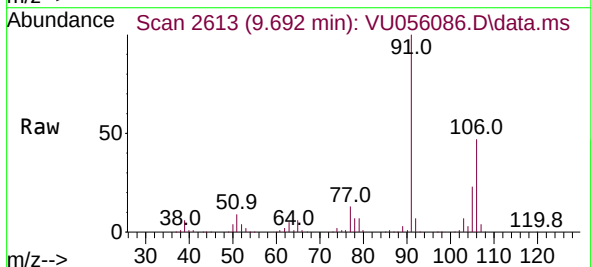
Instrument :
MSVOA_U
ClientSampleId :

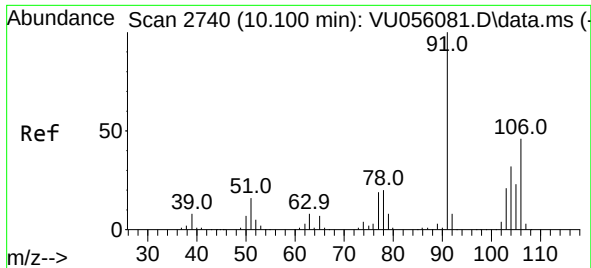
Tgt Ion: 91 Resp: 377274
Ion Ratio Lower Upper
91 100
106 29.9 21.3 39.5



#53
m,p-Xylene
Concen: 4.627 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Tgt Ion:106 Resp: 142669
Ion Ratio Lower Upper
106 100
91 211.0 150.4 279.2

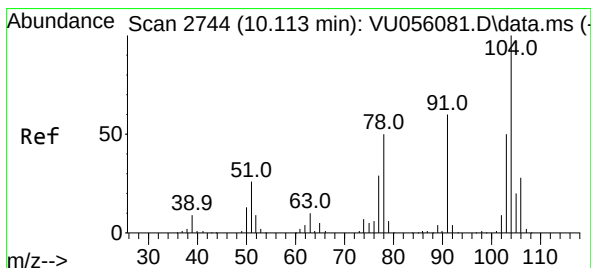
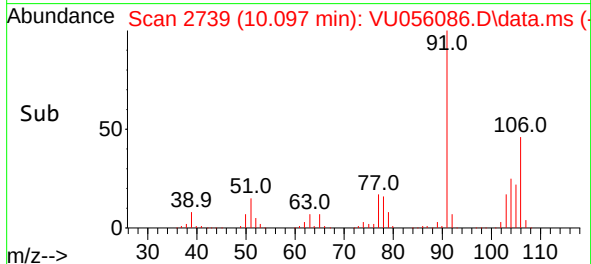
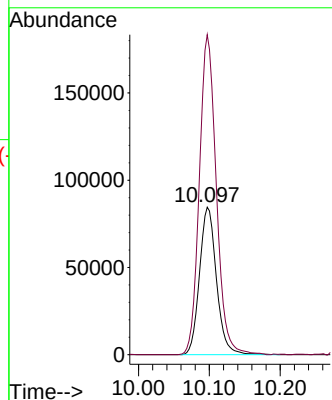
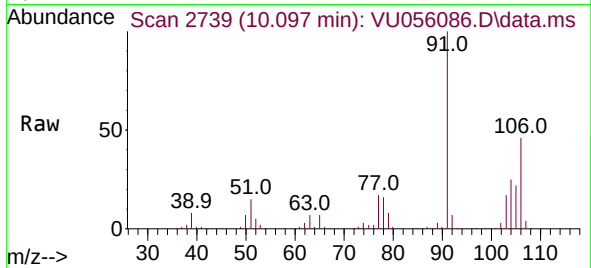




#54
o-Xylene
Concen: 4.656 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

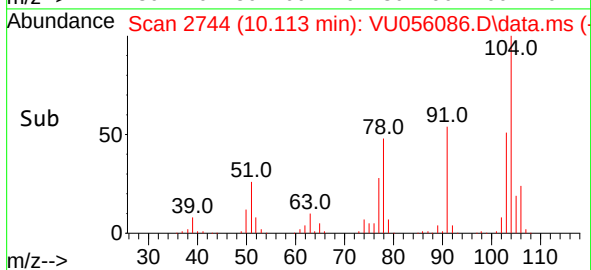
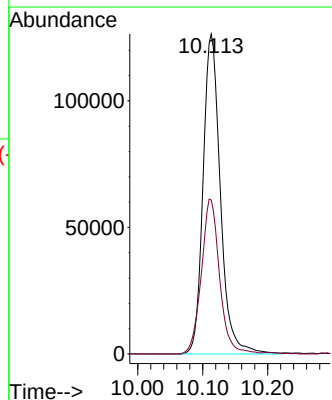
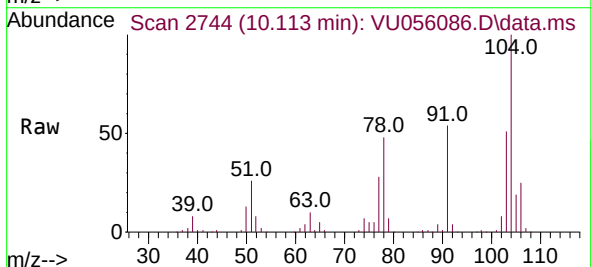
Instrument :
MSVOA_U
ClientSampleId :

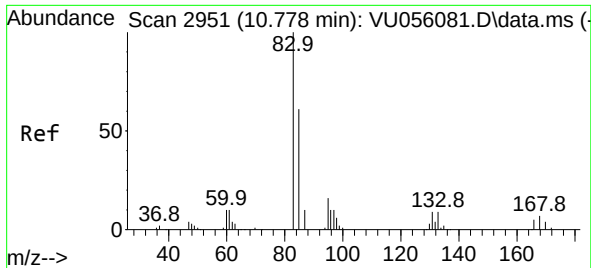
Tgt Ion:106 Resp: 140491
Ion Ratio Lower Upper
106 100
91 216.9 154.6 287.2



#55
Styrene
Concen: 4.853 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Tgt Ion:104 Resp: 234714
Ion Ratio Lower Upper
104 100
78 48.1 33.9 63.0

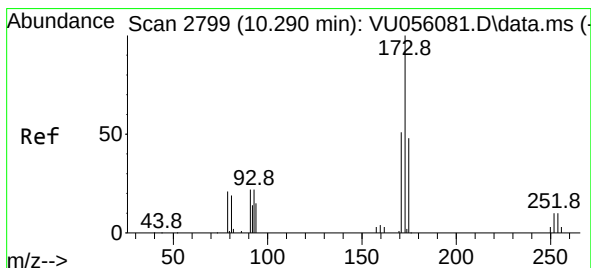
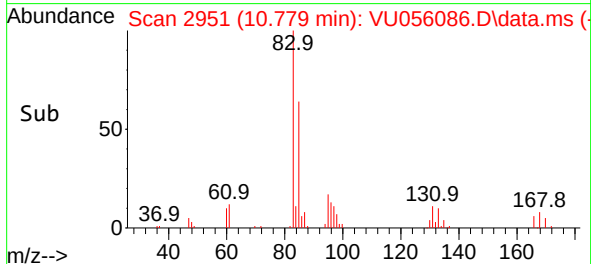
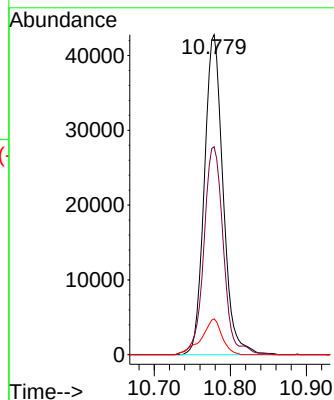
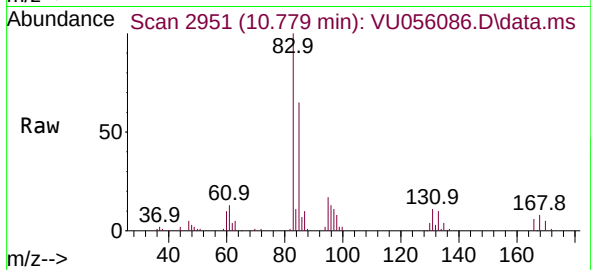




#57
1,1,2,2-Tetrachloroethane
Concen: 4.858 ug/L
RT: 10.779 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

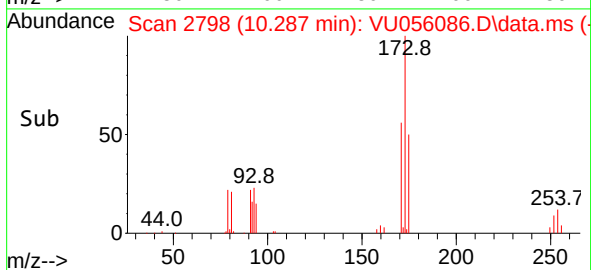
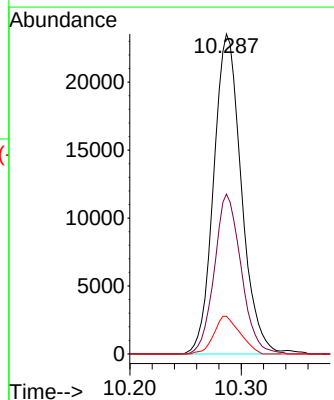
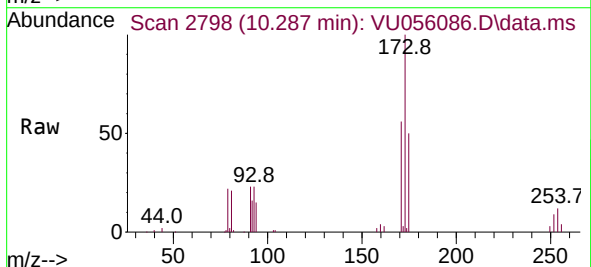
Instrument :
MSVOA_U
ClientSampleId :

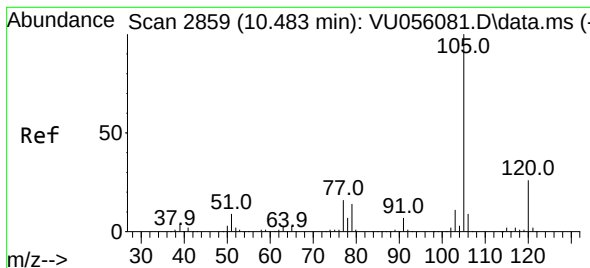
Tgt Ion: 83 Resp: 73116
Ion Ratio Lower Upper
83 100
85 65.0 46.2 85.8
131 11.2 7.2 10.8#



#59
Bromoform
Concen: 5.060 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. -0.003 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Tgt Ion:173 Resp: 40615
Ion Ratio Lower Upper
173 100
175 48.4 37.8 56.6
254 11.1 7.4 11.0#





#60

Isopropylbenzene

Concen: 4.758 ug/L

RT: 10.480 min Scan# 2859

Delta R.T. -0.003 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

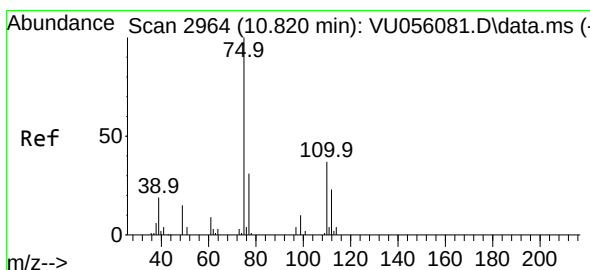
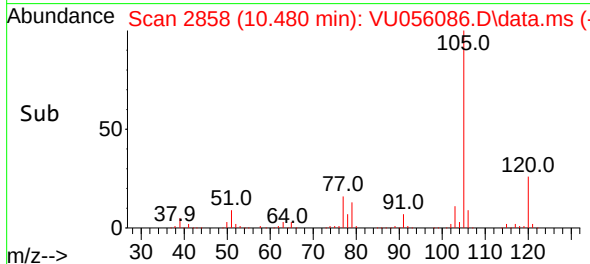
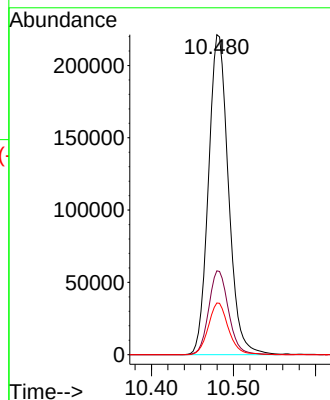
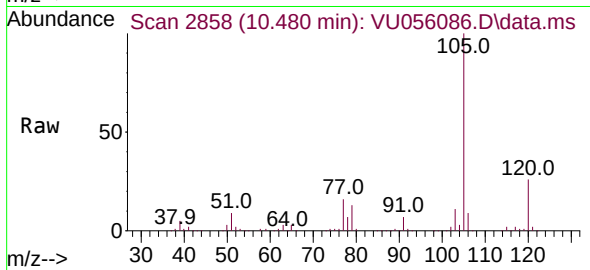
Tgt Ion:105 Resp: 374043

Ion Ratio Lower Upper

105 100

120 26.0 20.2 30.4

77 16.3 13.0 19.4



#61

1,2,3-Trichloropropane

Concen: 4.750 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

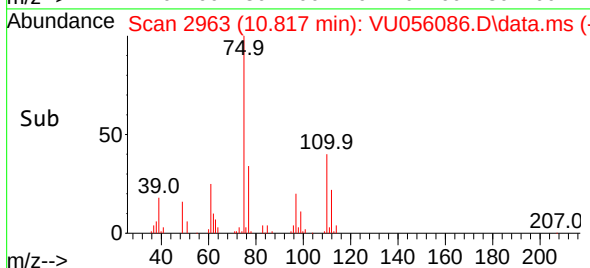
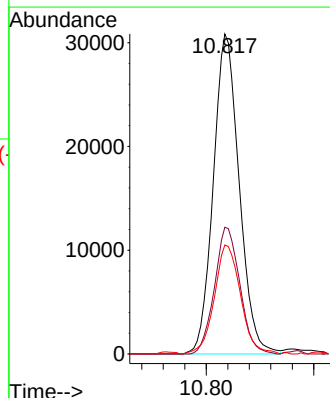
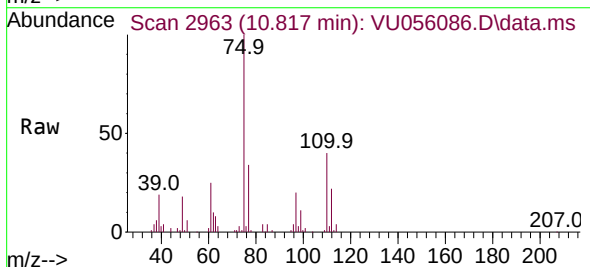
Tgt Ion: 75 Resp: 51454

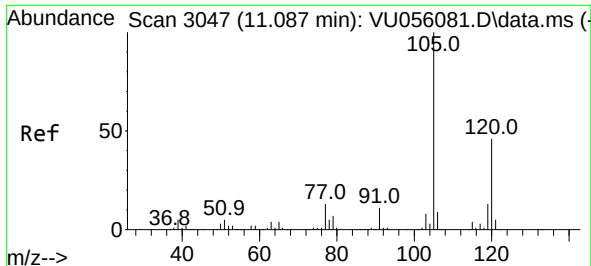
Ion Ratio Lower Upper

75 100

110 38.7 29.0 43.6

77 34.5 24.5 36.7





#62

1,3,5-Trimethylbenzene

Concen: 4.575 ug/L

RT: 11.084 min Scan# 3047

Delta R.T. -0.003 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

Instrument :

MSVOA_U

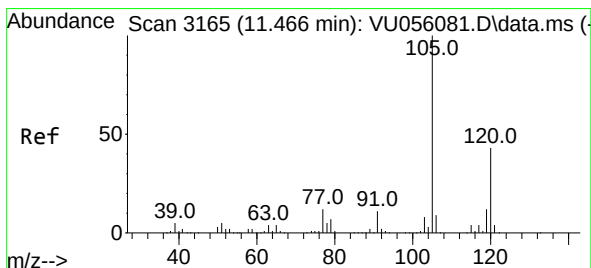
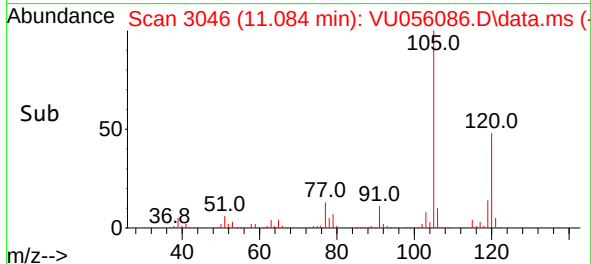
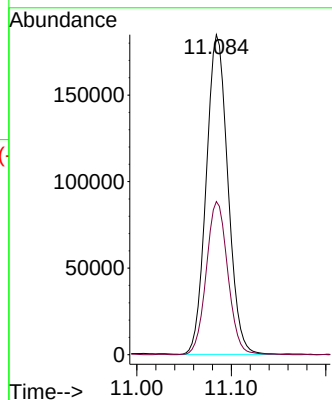
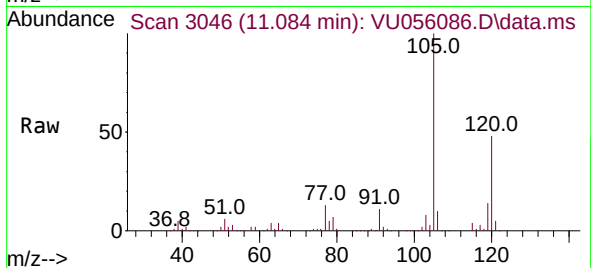
ClientSampleId :

Tgt Ion:105 Resp: 293969

Ion Ratio Lower Upper

105 100

120 47.7 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 4.831 ug/L

RT: 11.464 min Scan# 3164

Delta R.T. -0.003 min

Lab File: VU056086.D

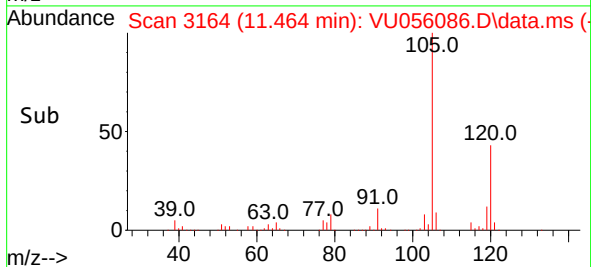
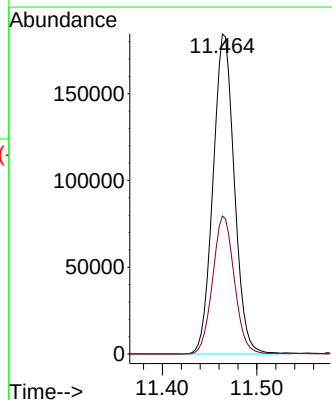
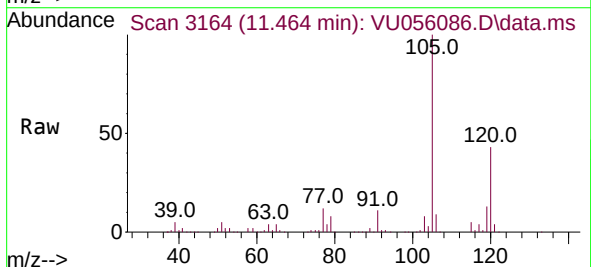
Acq: 06 Nov 2023 16:19

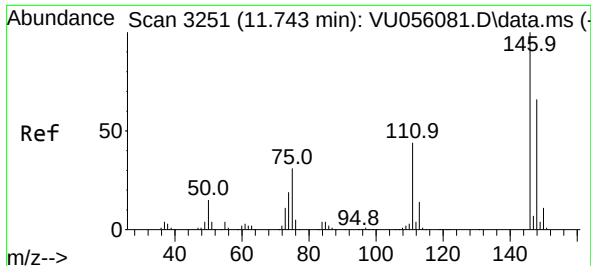
Tgt Ion:105 Resp: 288374

Ion Ratio Lower Upper

105 100

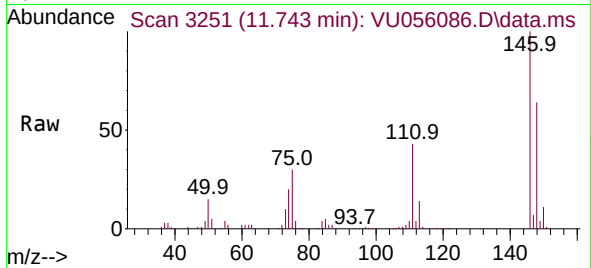
120 44.0 34.6 52.0



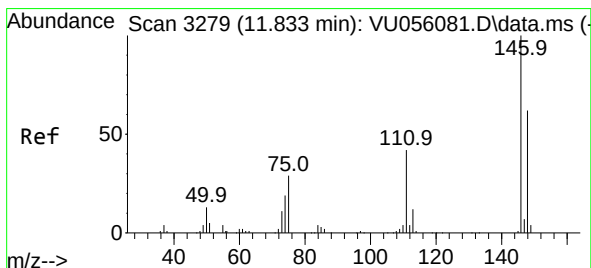
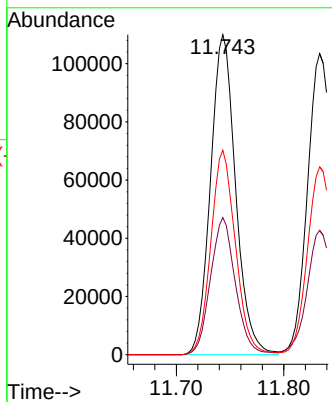
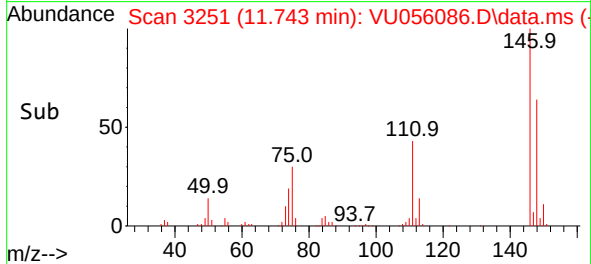


#64
1,3-Dichlorobenzene
Concen: 4.796 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

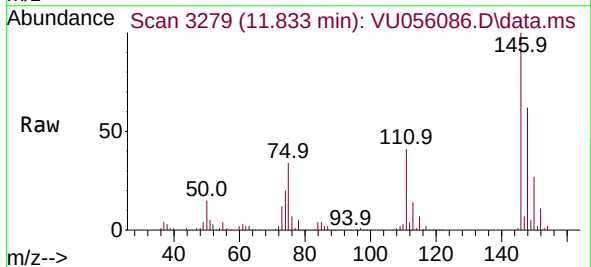
Instrument :
MSVOA_U
ClientSampleId :



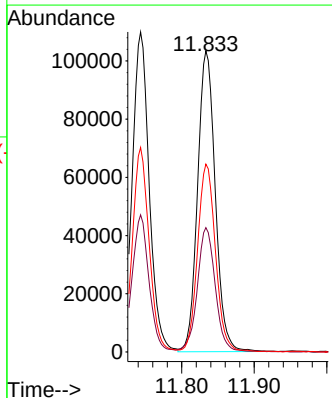
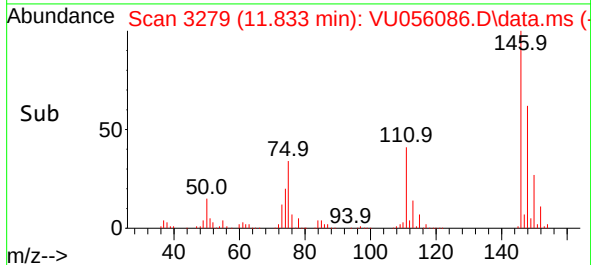
Tgt Ion:146 Resp: 178761
Ion Ratio Lower Upper
146 100
111 42.9 31.1 57.9
148 63.9 44.8 83.2

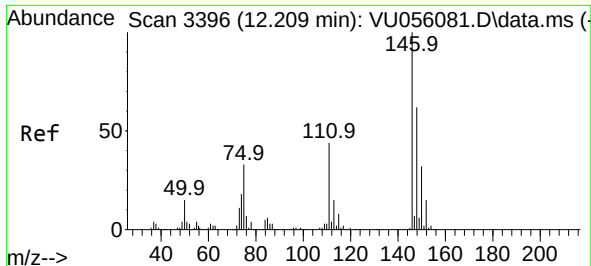


#65
1,4-Dichlorobenzene
Concen: 4.709 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19



Tgt Ion:146 Resp: 175168
Ion Ratio Lower Upper
146 100
111 41.3 29.3 54.3
148 62.4 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.905 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

Instrument :

MSVOA_U

ClientSampleId :

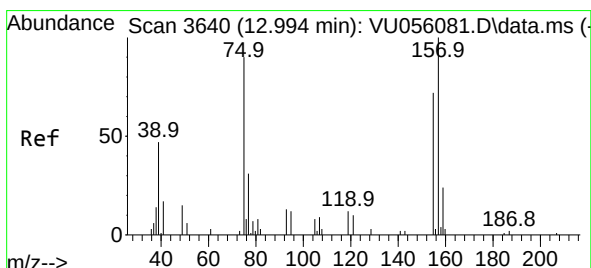
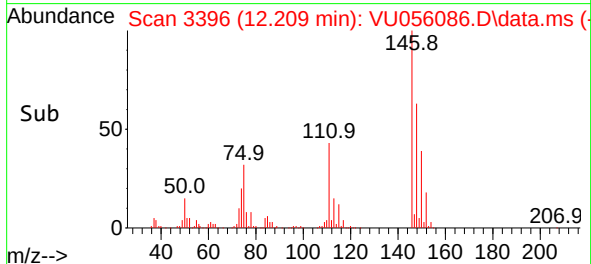
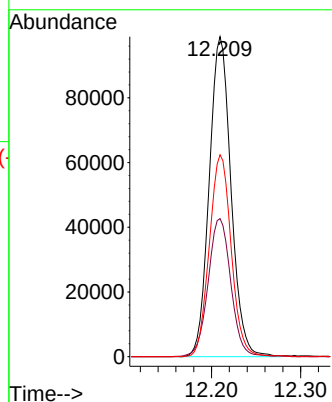
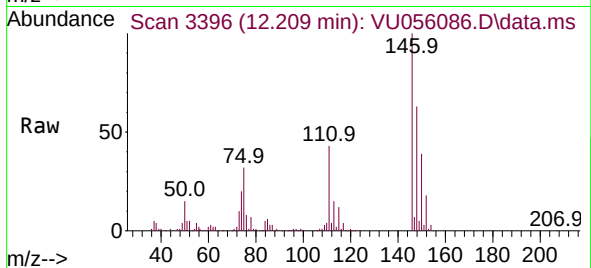
Tgt Ion:146 Resp: 167856

Ion Ratio Lower Upper

146 100

111 43.2 36.7 55.1

148 63.1 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.151 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU056086.D

Acq: 06 Nov 2023 16:19

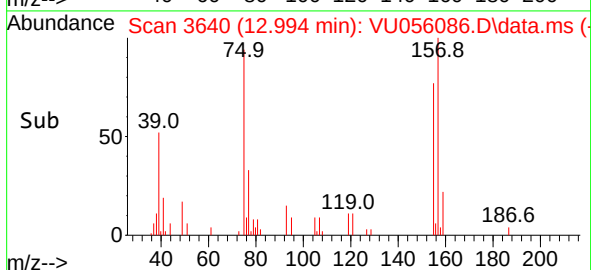
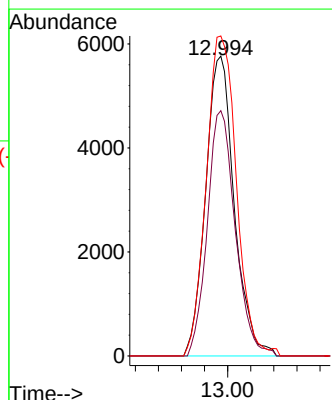
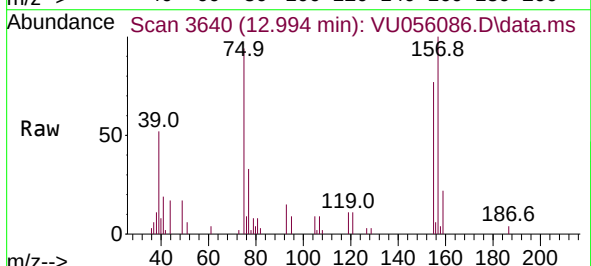
Tgt Ion: 75 Resp: 9957

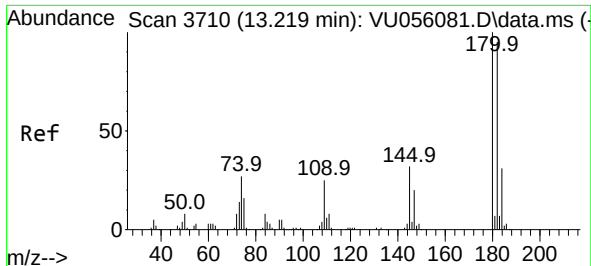
Ion Ratio Lower Upper

75 100

155 81.8 65.3 97.9

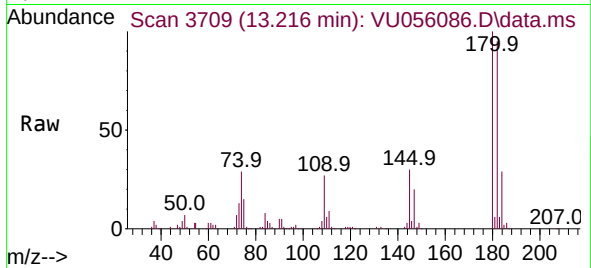
157 106.7 87.9 131.9



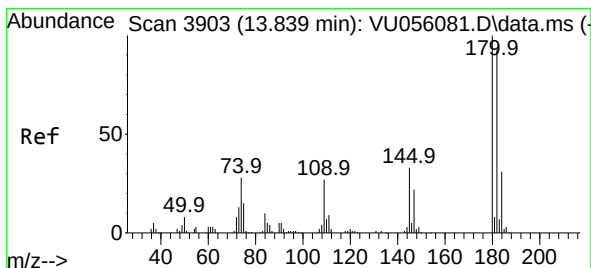
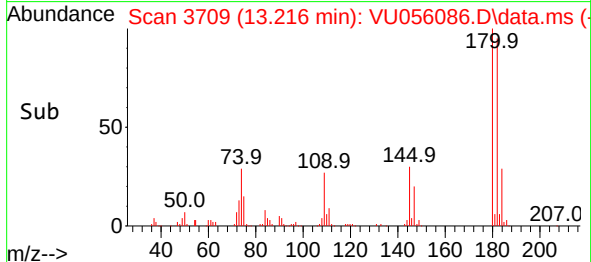
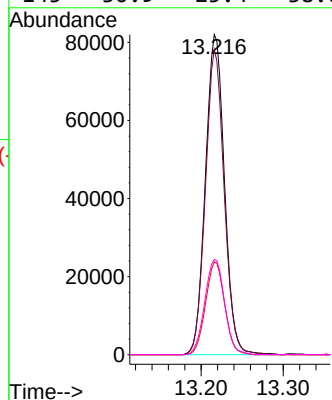


#69
 1,3,5-Trichlorobenzene
 Concen: 5.197 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU056086.D
 Acq: 06 Nov 2023 16:19

Instrument :
 MSVOA_U
 ClientSampleId :

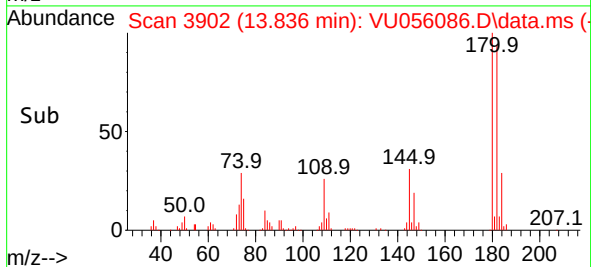
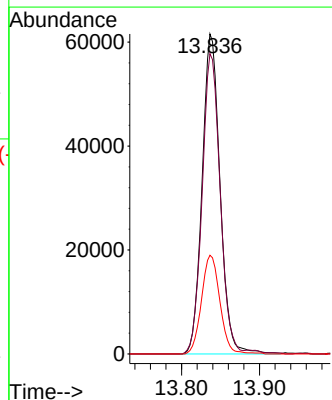
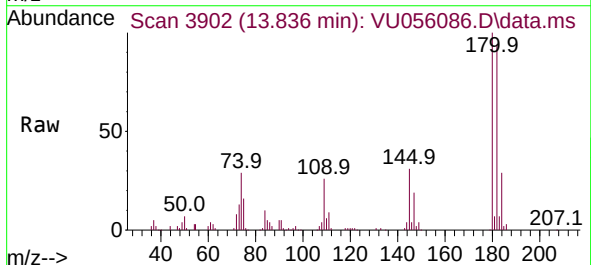


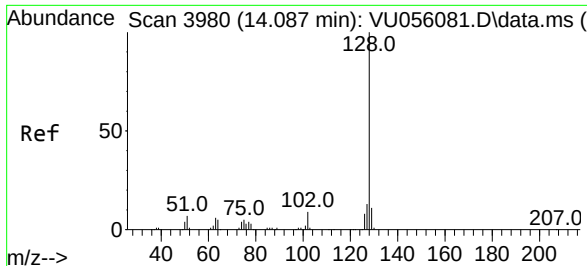
Tgt Ion:180 Resp: 132355
 Ion Ratio Lower Upper
 180 100
 182 93.7 74.7 112.1
 184 29.0 23.8 35.8
 145 30.9 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 5.228 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.003 min
 Lab File: VU056086.D
 Acq: 06 Nov 2023 16:19

Tgt Ion:180 Resp: 98411
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.1 114.1
 145 31.6 26.4 39.6

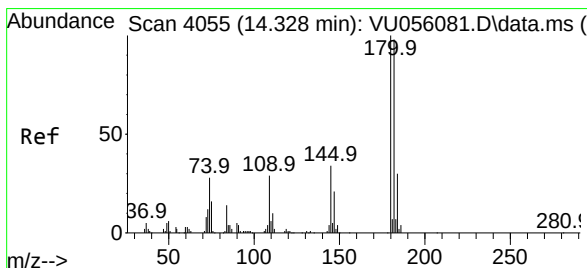
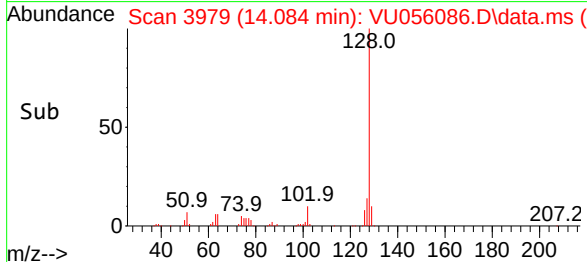
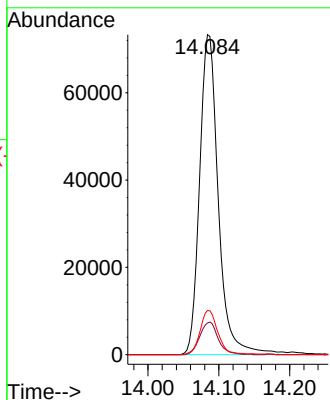
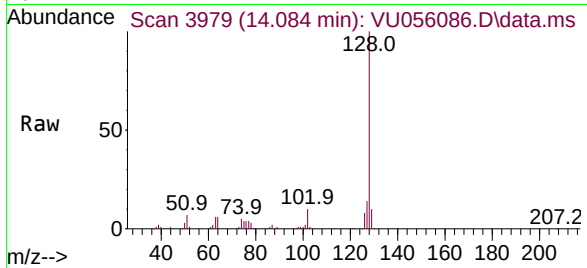




#71
Naphthalene
Concen: 4.926 ug/L
RT: 14.084 min Scan# 3980
Delta R.T. -0.003 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 134274
Ion Ratio Lower Upper
128 100
129 9.9 8.3 12.5
127 13.1 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 5.073 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.003 min
Lab File: VU056086.D
Acq: 06 Nov 2023 16:19

Tgt Ion:180 Resp: 82335
Ion Ratio Lower Upper
180 100
182 96.0 74.6 112.0
145 34.2 27.4 41.2

