

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110223\
 Data File : VU056055.D
 Acq On : 02 Nov 2023 09:04
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 03 00:18:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 02 02:08:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	339910	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	327844	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	159325	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.602	65	111855	4.160	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.200%
7) Chloroethane-d5	1.917	69	89238	4.258	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	2.567	65	48229	4.225	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	4.637	46	225816	47.076	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.160%
24) Chloroform-d	5.058	84	220600	4.427	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	5.702	65	100995	4.161	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.200%
32) Benzene-d6	5.724	84	442268	4.529	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.685	67	131106	4.529	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.894	98	395007	4.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	8.177	79	49227	4.348	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.000%
46) 2-Hexanone-d5	8.634	63	175057	60.906	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.820%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	98512	4.673	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	130485	4.390	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.387	85	89043	4.596	ug/L	97
3) Chloromethane	1.522	50	77359	4.182	ug/L	95
5) Vinyl chloride	1.605	62	89619	4.399	ug/L	97
6) Bromomethane	1.859	94	56843	4.504	ug/L	95
8) Chloroethane	1.936	64	56775	4.756	ug/L	99
9) Trichlorofluoromethane	2.139	101	136416	4.854	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	96957	5.253	ug/L	98
12) 1,1-Dichloroethene	2.579	96	82411	5.002	ug/L	88
13) Acetone	2.650	43	129510	47.378	ug/L	99
14) Carbon disulfide	2.795	76	182185	4.319	ug/L	98
15) Methyl Acetate	2.962	43	26642	4.784	ug/L	93
16) Methylene chloride	3.046	84	97245	5.210	ug/L	95
17) Methyl tert-butyl Ether	3.361	73	201766	5.047	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	81814	5.009	ug/L	94
19) 1,1-Dichloroethane	3.866	63	169734	5.118	ug/L	96
21) 2-Butanone	4.718	43	190284	47.354	ug/L	93
22) cis-1,2-Dichloroethene	4.666	96	99519	5.032	ug/L	93
23) Bromochloromethane	4.972	128	43745	5.429	ug/L	91
25) Chloroform	5.084	83	189919	5.340	ug/L	100

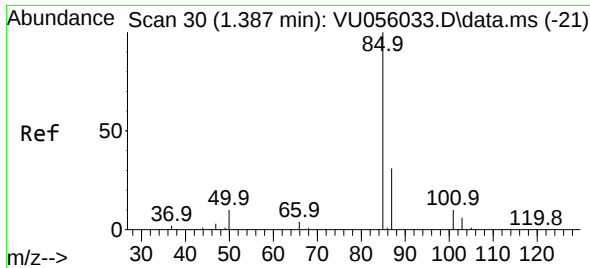
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110223\
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 MSVOA_U
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Quant Time: Nov 03 00:18:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 02 02:08:05 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	101075	4.838	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	157382	5.267	ug/L	97
30) Cyclohexane	5.386	56	122303	4.851	ug/L	99
31) Carbon tetrachloride	5.521	117	135994	5.336	ug/L	99
33) Benzene	5.772	78	376103	5.198	ug/L	100
34) Trichloroethene	6.541	95	101295	5.005	ug/L	98
35) Methylcyclohexane	6.763	83	134660	4.930	ug/L	98
37) 1,2-Dichloropropane	6.788	63	98982	5.153	ug/L	100
38) Bromodichloromethane	7.103	83	129444	5.367	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	139589	5.101	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	459298	49.598	ug/L	97
42) Toluene	7.968	91	404816	5.354	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	112860	5.109	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	71954	5.327	ug/L	99
47) Tetrachloroethene	8.550	164	77000	5.433	ug/L	96
48) 2-Hexanone	8.685	43	355736	48.857	ug/L	99
49) Dibromochloromethane	8.808	129	82622	5.572	ug/L	97
50) 1,2-Dibromoethane	8.920	107	64997	5.303	ug/L	97
51) Chlorobenzene	9.444	112	260122	5.249	ug/L	99
52) Ethylbenzene	9.570	91	439998	5.133	ug/L	98
53) m,p-Xylene	9.692	106	167508	5.230	ug/L	94
54) o-Xylene	10.100	106	164415	5.246	ug/L	98
55) Styrene	10.113	104	275130	5.476	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	85026	5.438	ug/L	98
59) Bromoform	10.290	173	46043	5.681	ug/L	97
60) Isopropylbenzene	10.483	105	442864	5.578	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	59159	5.408	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	353901	5.455	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	349571	5.800	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	206696	5.492	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	198232	5.278	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	191254	5.535	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	11456	5.870	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	151406	5.887	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	110958	5.837	ug/L	99
71) Naphthalene	14.084	128	142702	5.184	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	92684	5.655	ug/L	99

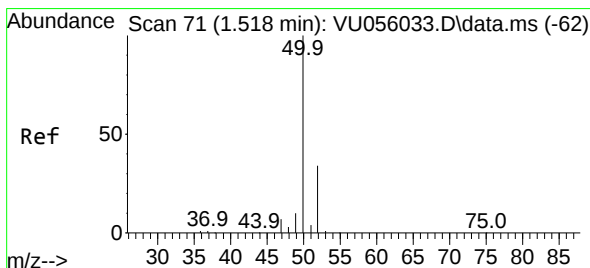
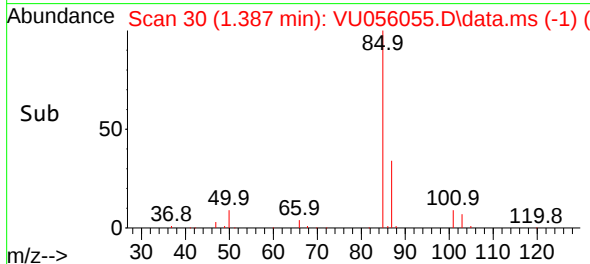
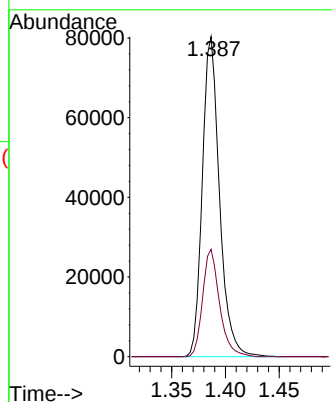
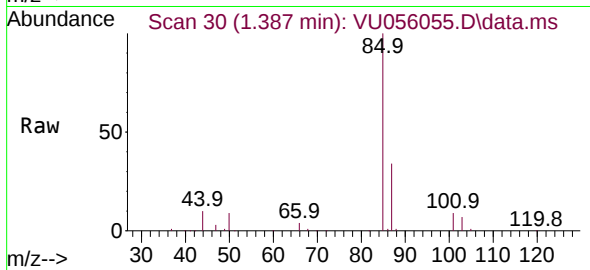
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.596 ug/L
 RT: 1.387 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: VU056055.D
 Acq: 02 Nov 2023 09:04

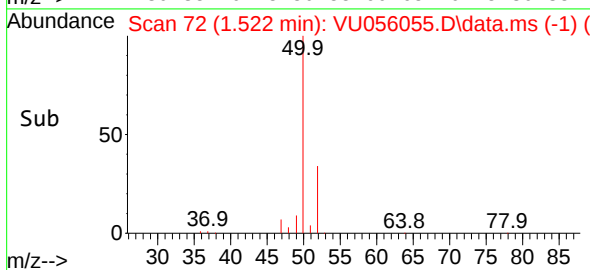
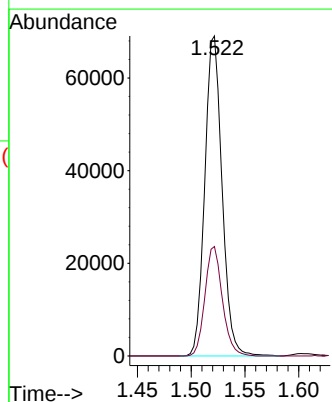
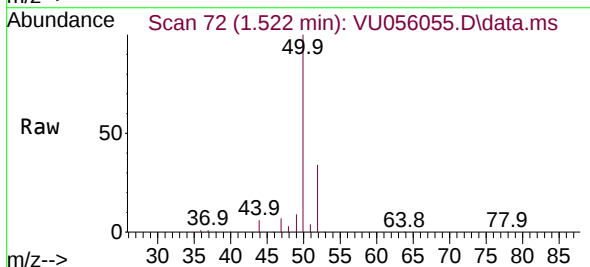
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 MSVOA_U
 ClientSampleId :

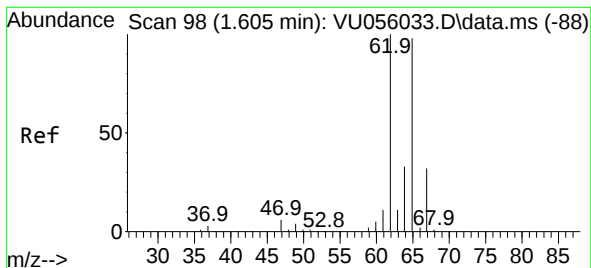
Tgt Ion: 85 Resp: 89043
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.0 37.4



#3
 Chloromethane
 Concen: 4.182 ug/L
 RT: 1.522 min Scan# 72
 Delta R.T. 0.003 min
 Lab File: VU056055.D
 Acq: 02 Nov 2023 09:04

Tgt Ion: 50 Resp: 77359
 Ion Ratio Lower Upper
 50 100
 52 34.2 22.0 40.8





#5

Vinyl chloride

Concen: 4.399 ug/L

RT: 1.605 min Scan# 98

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Instrument :

MSVOA_U

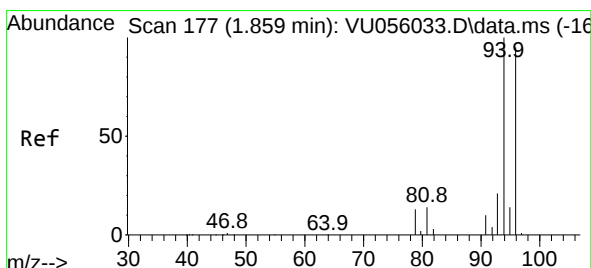
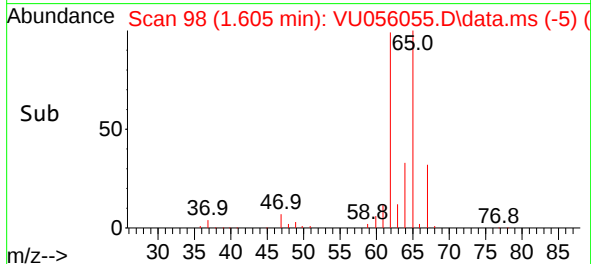
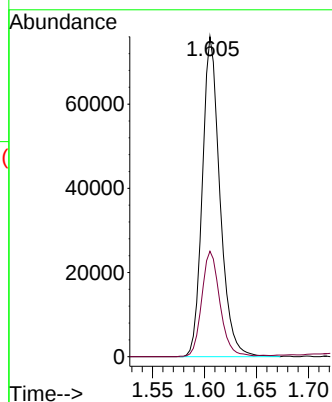
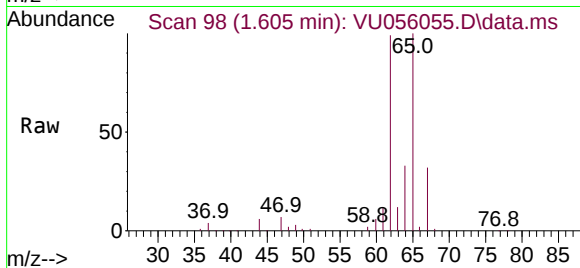
ClientSampleId :

Tgt Ion: 62 Resp: 89619

Ion Ratio Lower Upper

62 100

64 32.9 24.2 45.0



#6

Bromomethane

Concen: 4.504 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.000 min

Lab File: VU056055.D

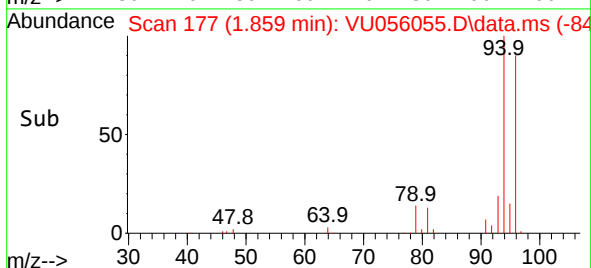
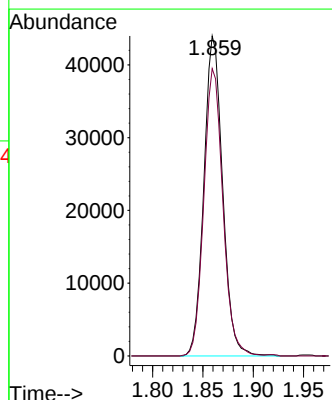
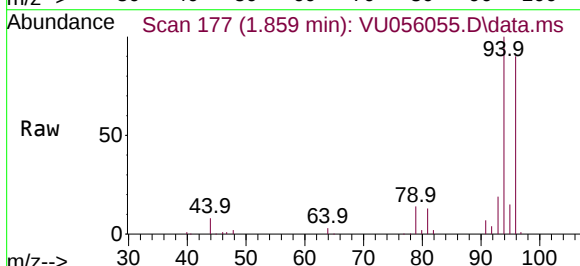
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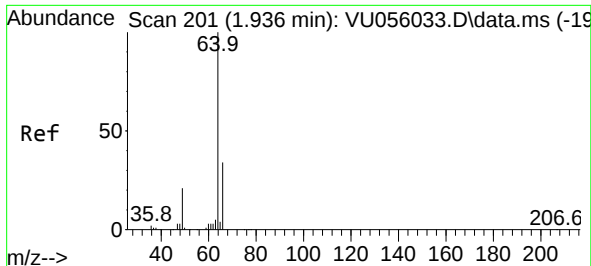
Tgt Ion: 94 Resp: 56843

Ion Ratio Lower Upper

94 100

96 89.8 65.9 122.5

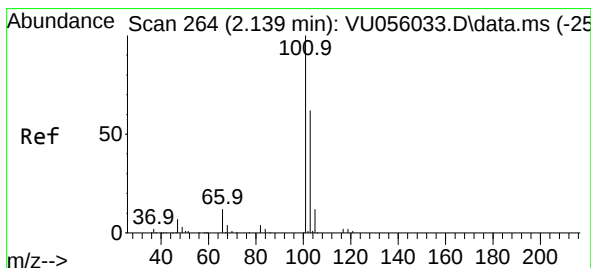
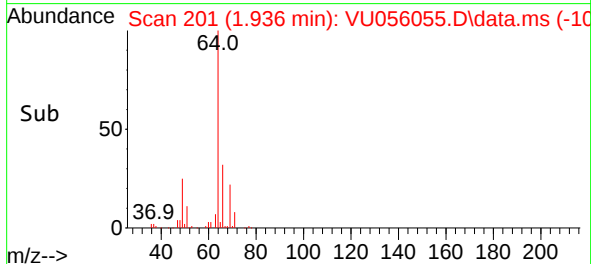
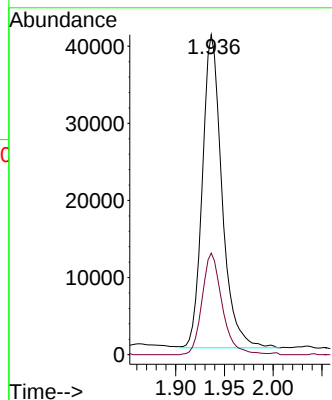
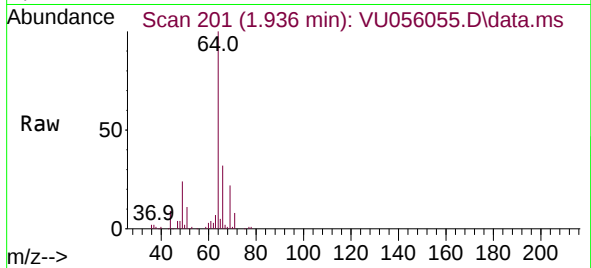




#8
Chloroethane
Concen: 4.756 ug/L
RT: 1.936 min Scan# 201
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

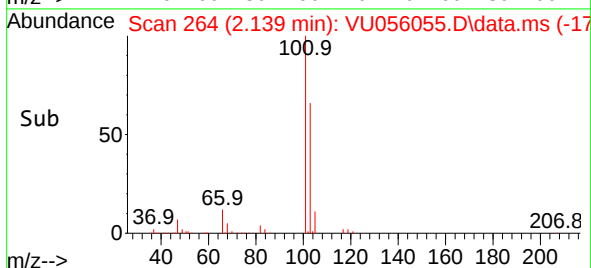
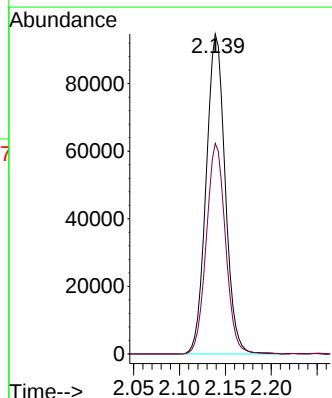
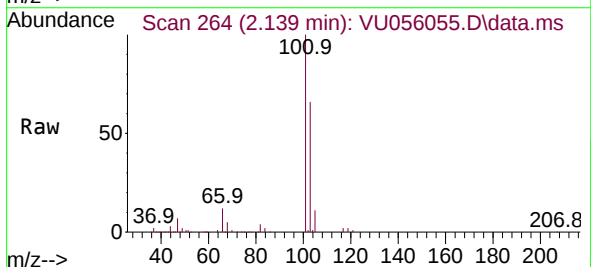
Instrument :
MSVOA_U
ClientSampleId :

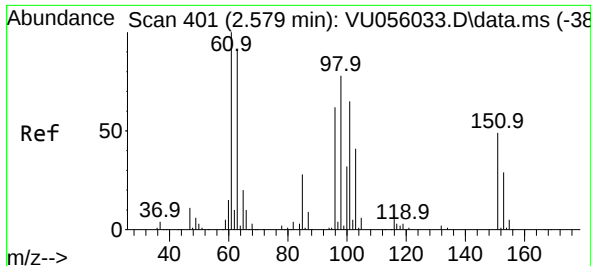
Tgt Ion: 64 Resp: 56775
Ion Ratio Lower Upper
64 100
66 31.7 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.854 ug/L
RT: 2.139 min Scan# 264
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

Tgt Ion:101 Resp: 136416
Ion Ratio Lower Upper
101 100
103 66.3 52.2 78.2

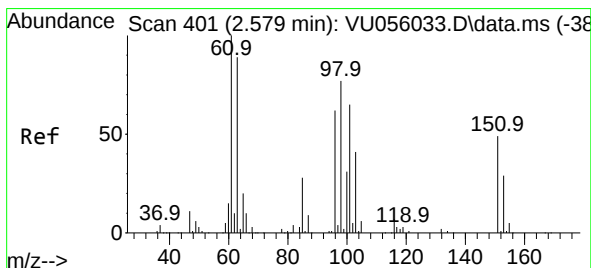
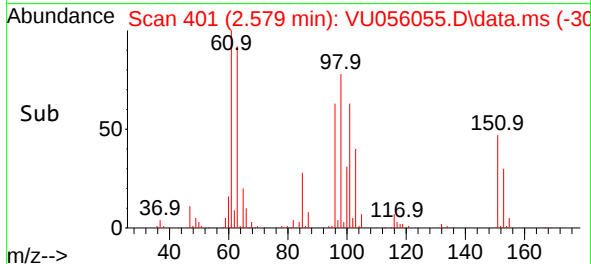
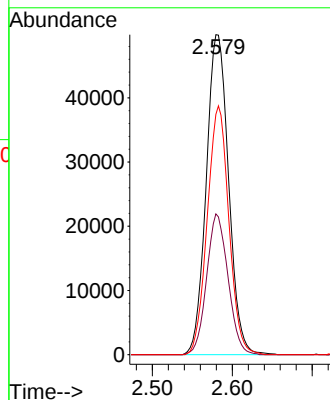
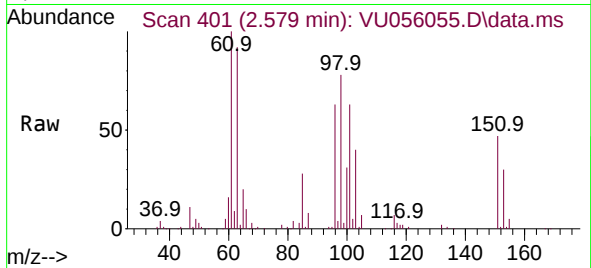




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.253 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU056055.D
 Acq: 02 Nov 2023 09:04

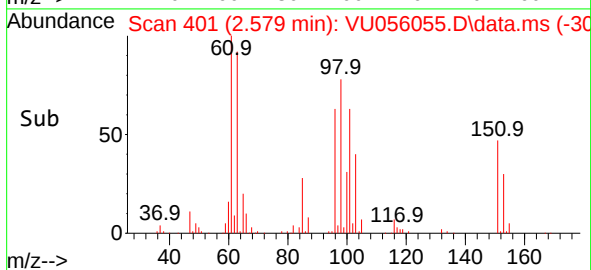
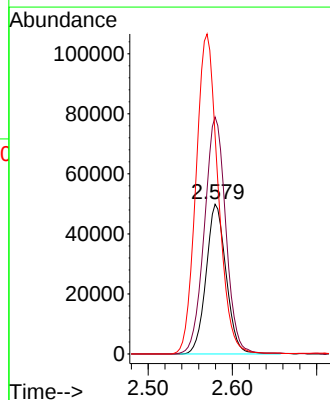
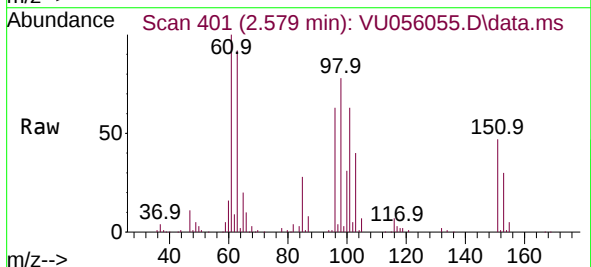
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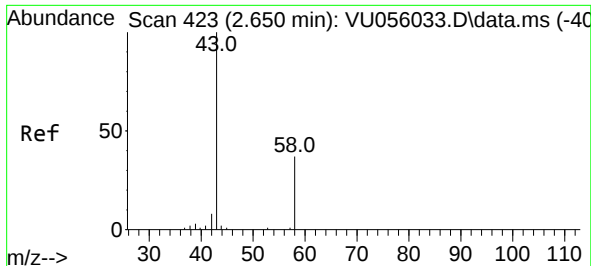
Tgt Ion:101 Resp: 96957
 Ion Ratio Lower Upper
 101 100
 85 42.1 34.4 51.6
 151 75.1 58.4 87.6



#12
 1,1-Dichloroethene
 Concen: 5.002 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU056055.D
 Acq: 02 Nov 2023 09:04

Tgt Ion: 96 Resp: 82411
 Ion Ratio Lower Upper
 96 100
 61 158.2 123.8 230.0
 63 146.1 111.0 206.2





#13

Acetone

Concen: 47.378 ug/L

RT: 2.650 min Scan# 423

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Instrument :

MSVOA_U

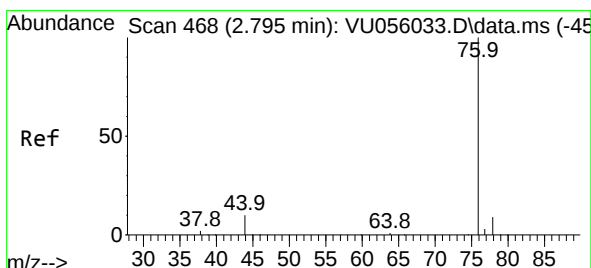
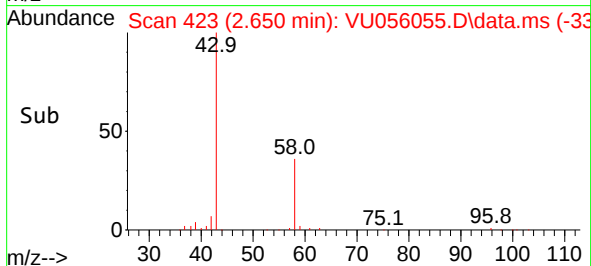
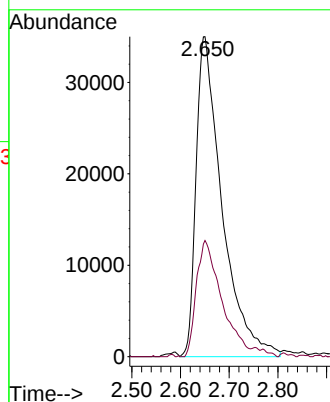
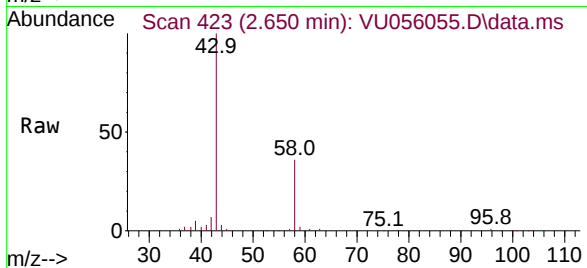
ClientSampleId :

Tgt Ion: 43 Resp: 129510

Ion Ratio Lower Upper

43 100

58 35.2 0.0 69.0



#14

Carbon disulfide

Concen: 4.319 ug/L

RT: 2.795 min Scan# 468

Delta R.T. 0.000 min

Lab File: VU056055.D

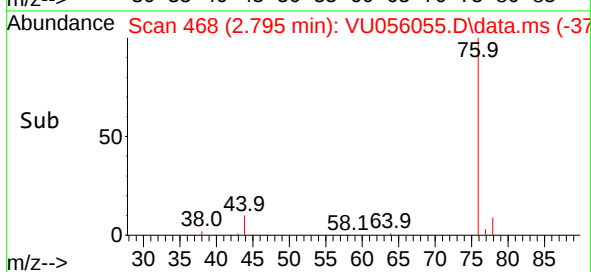
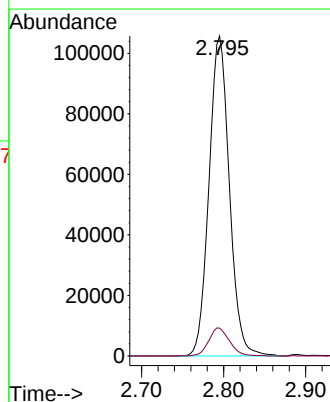
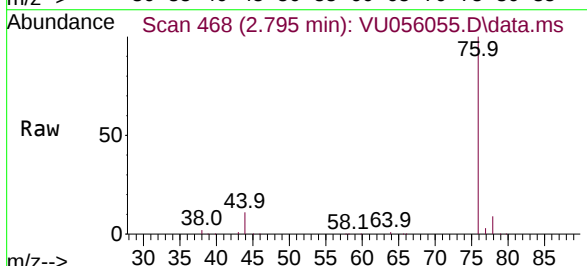
Acq: 02 Nov 2023 09:04

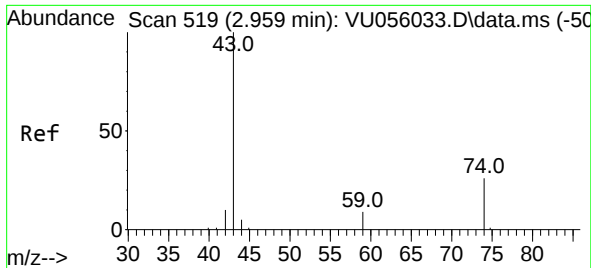
Tgt Ion: 76 Resp: 182185

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3

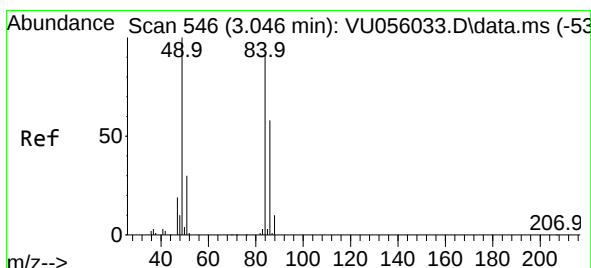
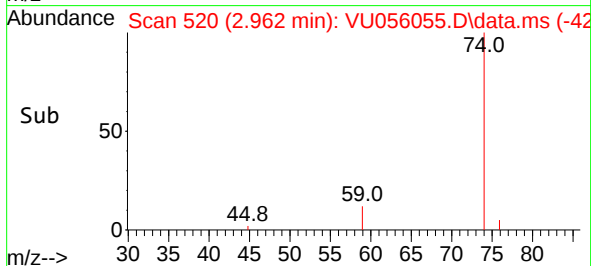
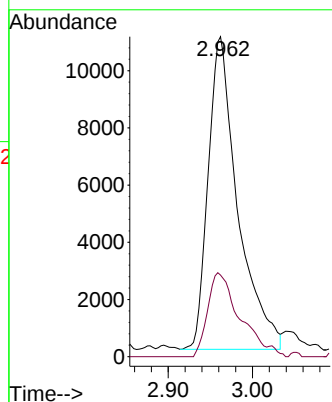
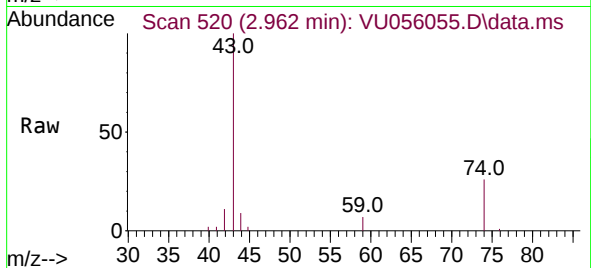




#15
Methyl Acetate
Concen: 4.784 ug/L
RT: 2.962 min Scan# 519
Delta R.T. 0.003 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

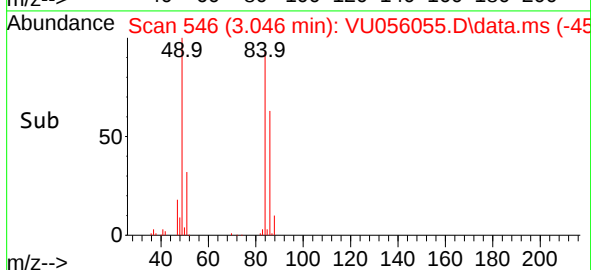
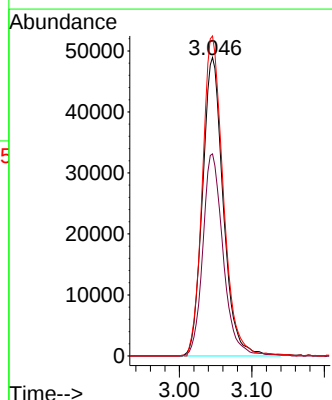
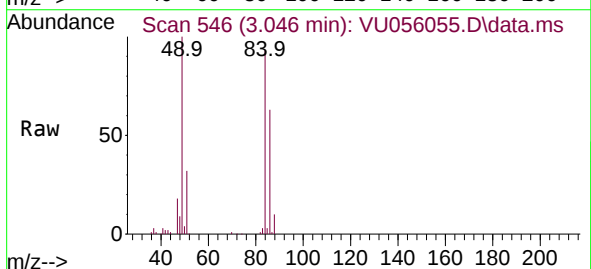
Instrument :
MSVOA_U
ClientSampleId :

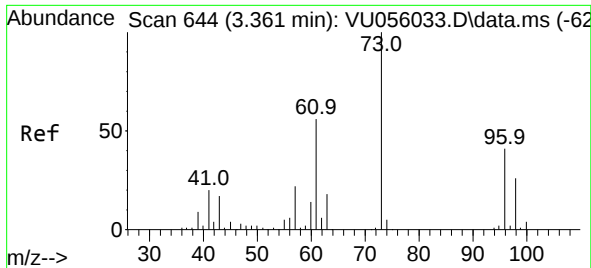
Tgt Ion: 43 Resp: 26642
Ion Ratio Lower Upper
43 100
74 28.4 19.9 29.9



#16
Methylene chloride
Concen: 5.210 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

Tgt Ion: 84 Resp: 97245
Ion Ratio Lower Upper
84 100
86 67.7 45.2 84.0
49 107.2 78.8 146.3

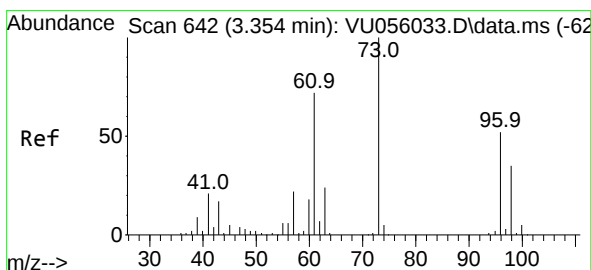
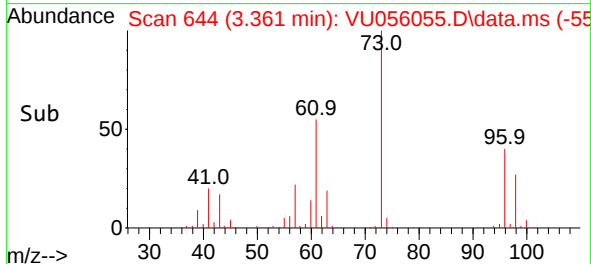
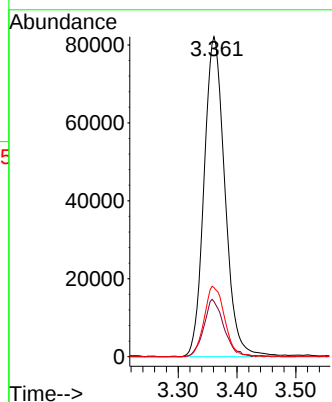
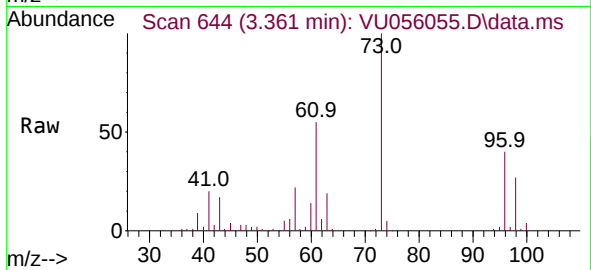




#17
Methyl tert-butyl Ether
Concen: 5.047 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

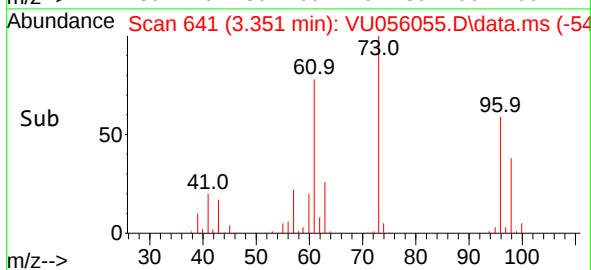
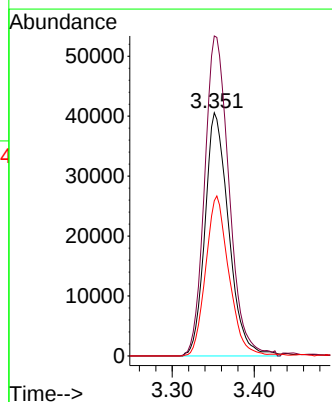
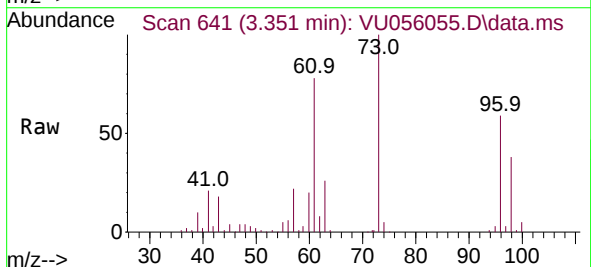
Instrument :
MSVOA_U
ClientSampleId :

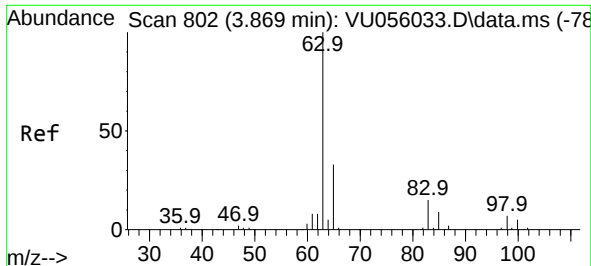
Tgt Ion: 73 Resp: 201766
Ion Ratio Lower Upper
73 100
43 17.3 14.4 21.6
57 21.6 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 5.009 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

Tgt Ion: 96 Resp: 81814
Ion Ratio Lower Upper
96 100
61 131.6 97.5 181.1
98 63.9 42.7 79.3





#19

1,1-Dichloroethane

Concen: 5.118 ug/L

RT: 3.866 min Scan# 80

Delta R.T. -0.003 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Instrument :

MSVOA_U

ClientSampleId :

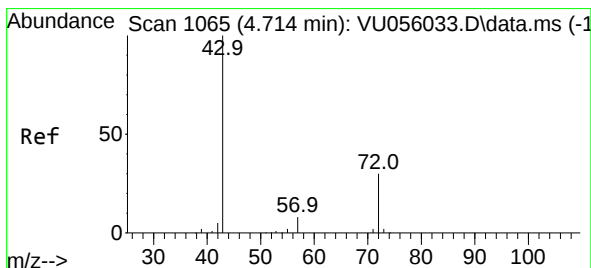
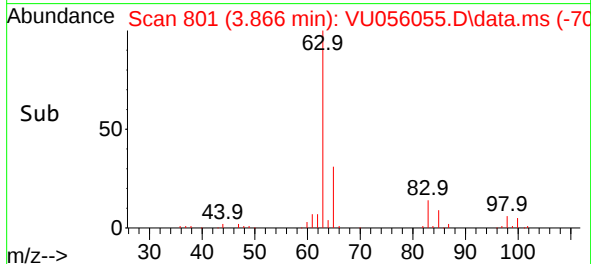
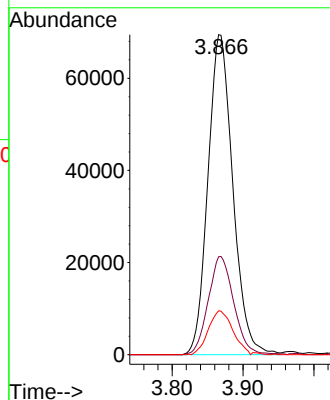
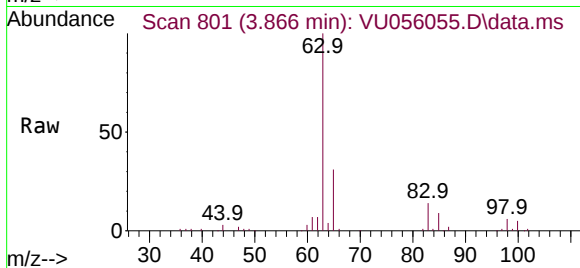
Tgt Ion: 63 Resp: 169734

Ion Ratio Lower Upper

63 100

65 30.6 23.3 43.3

83 13.7 10.5 19.5



#21

2-Butanone

Concen: 47.354 ug/L

RT: 4.718 min Scan# 1066

Delta R.T. 0.003 min

Lab File: VU056055.D

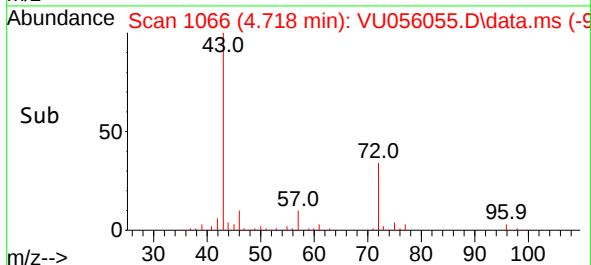
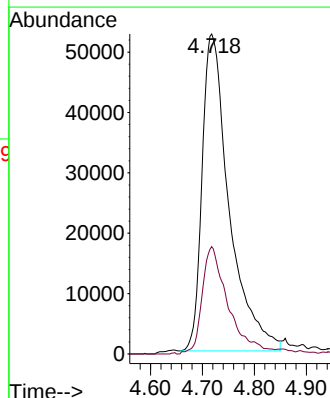
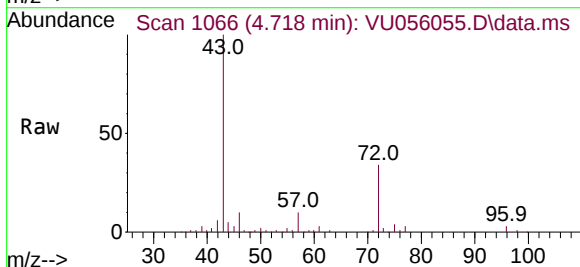
Acq: 02 Nov 2023 09:04

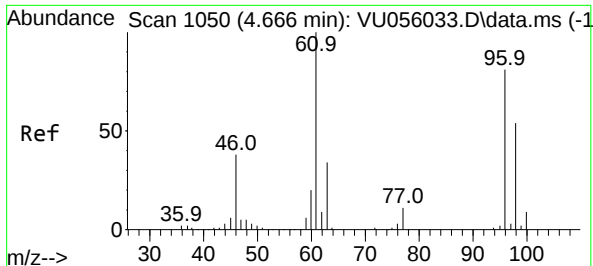
Tgt Ion: 43 Resp: 190284

Ion Ratio Lower Upper

43 100

72 32.5 14.4 43.4





#22

cis-1,2-Dichloroethene

Concen: 5.032 ug/L

RT: 4.666 min Scan# 110

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Instrument :

MSVOA_U

ClientSampleId :

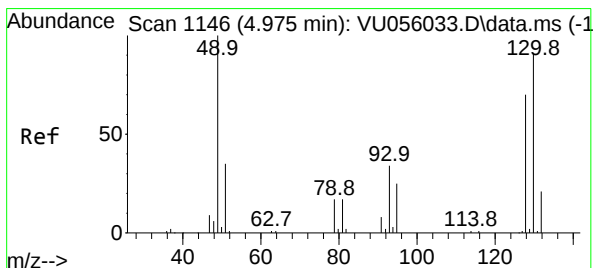
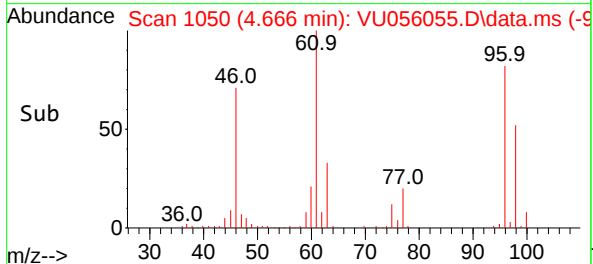
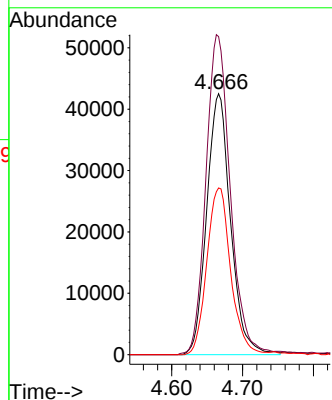
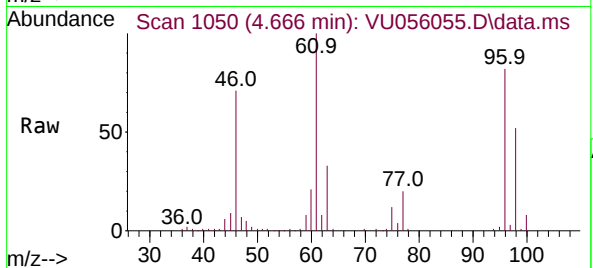
Tgt Ion: 96 Resp: 99519

Ion Ratio Lower Upper

96 100

61 121.9 93.8 174.2

98 63.9 45.6 84.8



#23

Bromochloromethane

Concen: 5.429 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. -0.003 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Tgt Ion: 128 Resp: 43745

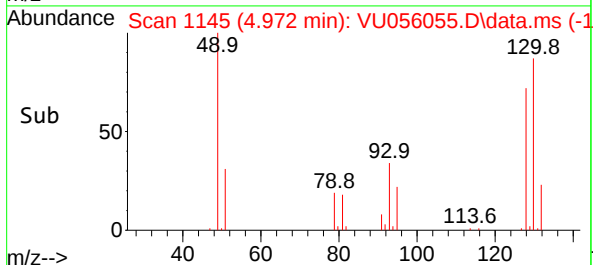
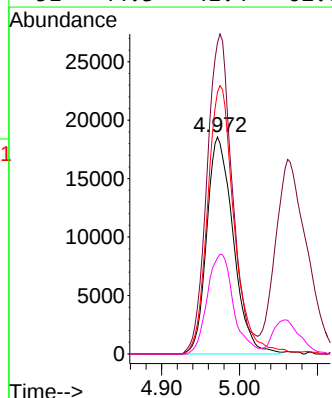
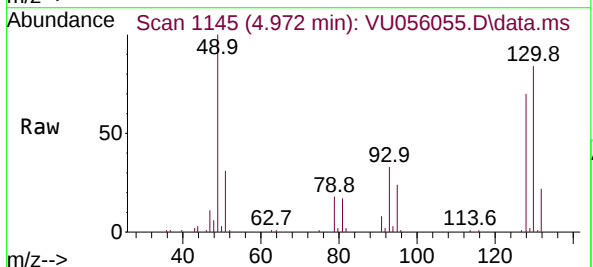
Ion Ratio Lower Upper

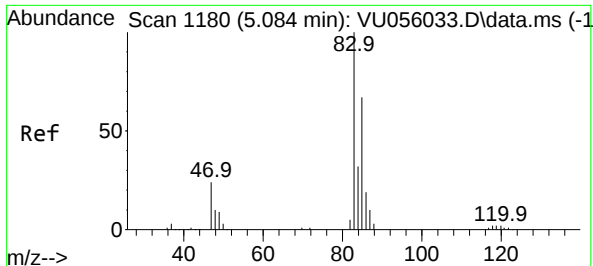
128 100

49 143.4 108.7 201.9

130 120.6 91.5 169.9

51 44.3 41.4 62.0

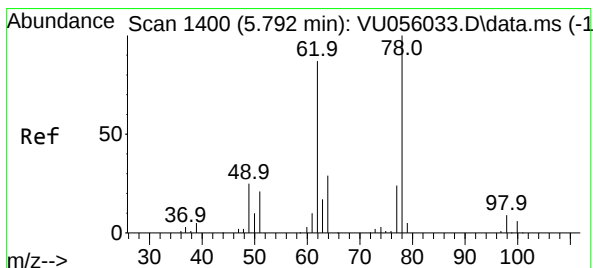
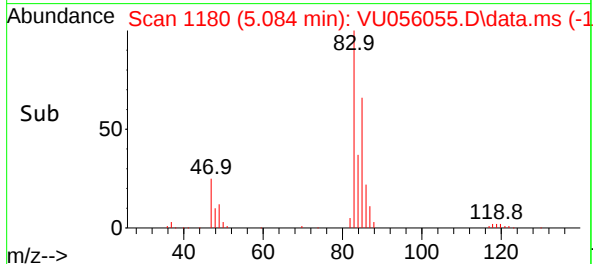
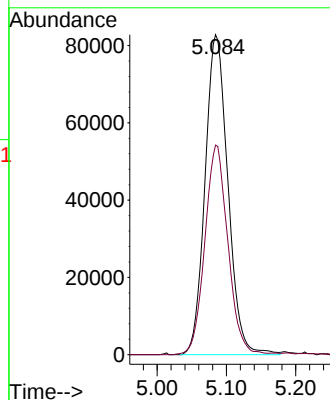
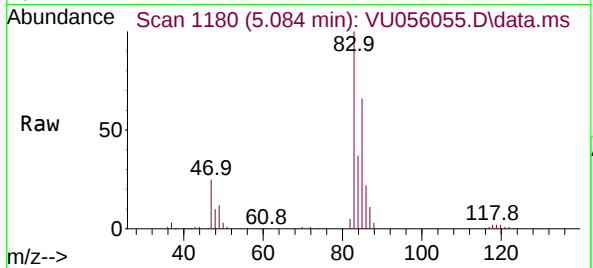




#25
Chloroform
Concen: 5.340 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

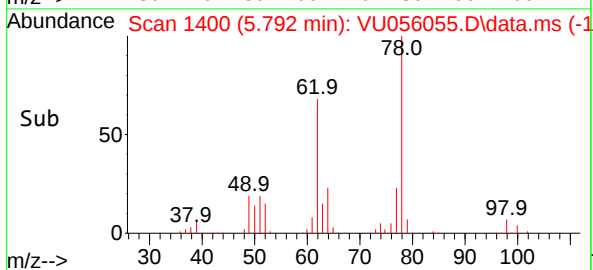
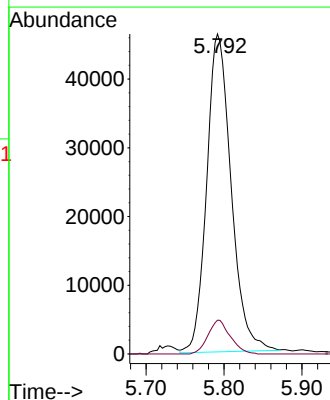
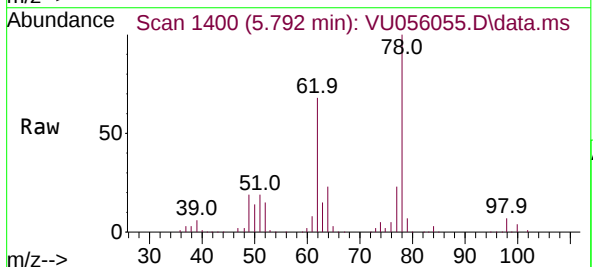
Instrument :
MSVOA_U
ClientSampleId :

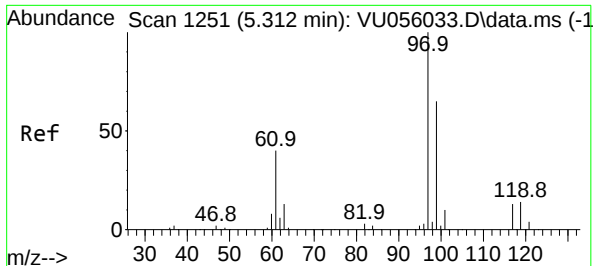
Tgt Ion: 83 Resp: 189919
Ion Ratio Lower Upper
83 100
85 65.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 4.838 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

Tgt Ion: 62 Resp: 101075
Ion Ratio Lower Upper
62 100
98 10.6 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.267 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Instrument :

MSVOA_U

ClientSampleId :

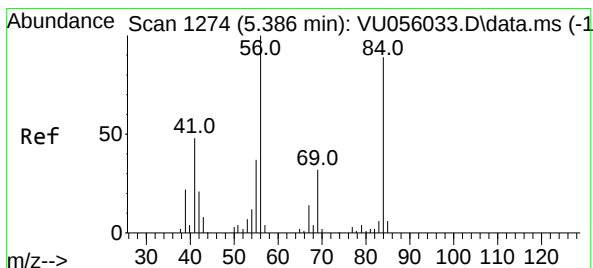
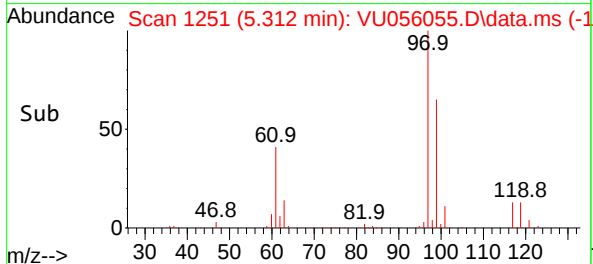
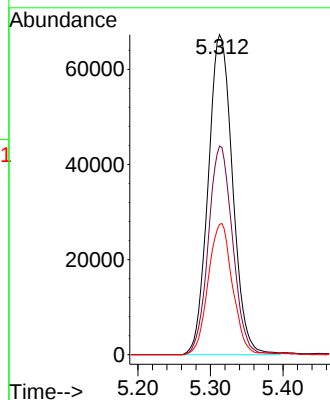
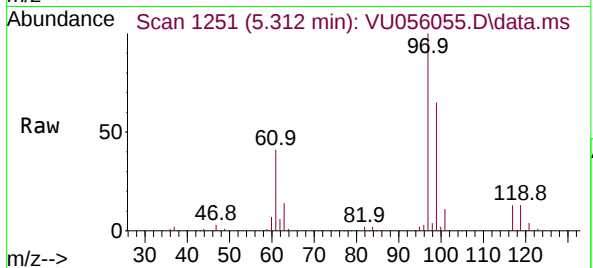
Tgt Ion: 97 Resp: 157382

Ion Ratio Lower Upper

97 100

99 64.9 50.8 76.2

61 40.6 35.0 52.4



#30

Cyclohexane

Concen: 4.851 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

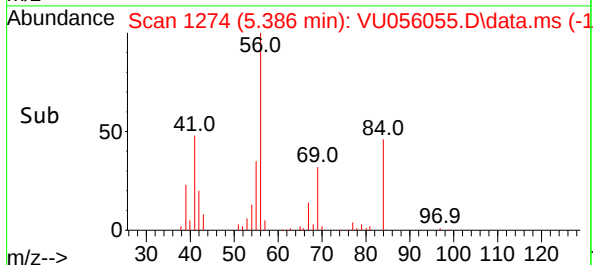
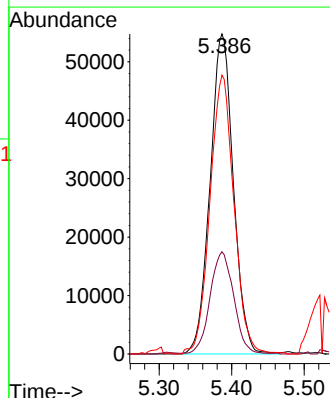
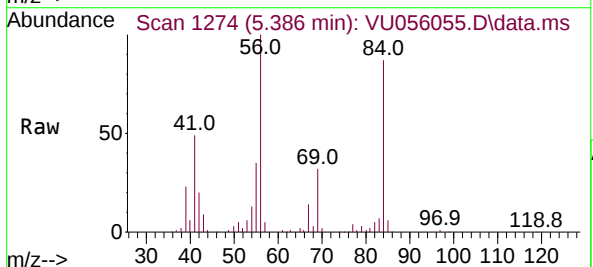
Tgt Ion: 56 Resp: 122303

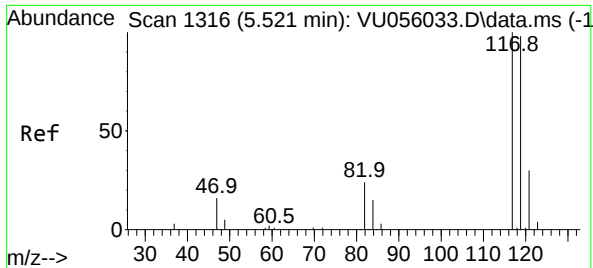
Ion Ratio Lower Upper

56 100

69 31.8 25.4 38.2

84 89.6 71.0 106.6

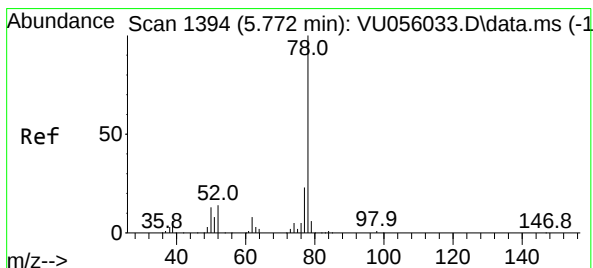
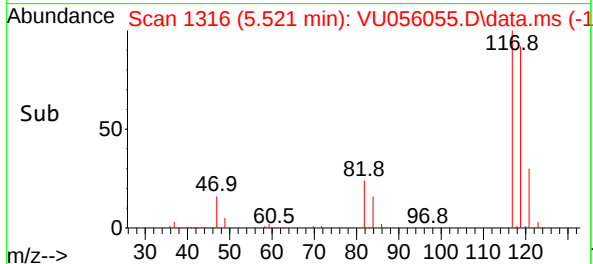
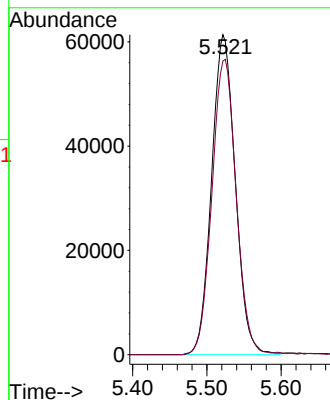
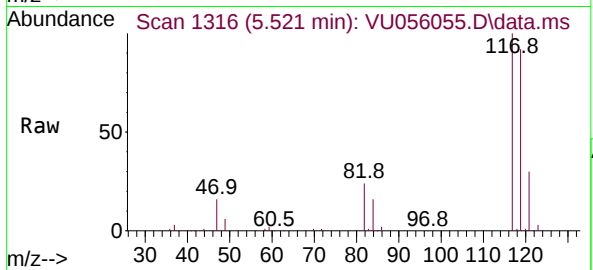




#31
Carbon tetrachloride
Concen: 5.336 ug/L
RT: 5.521 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

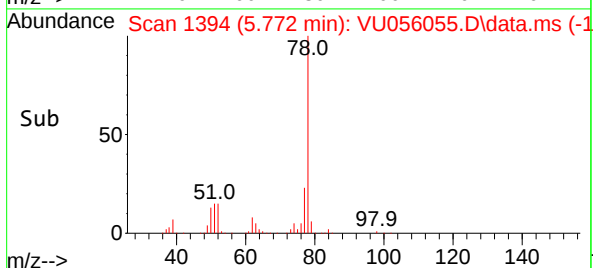
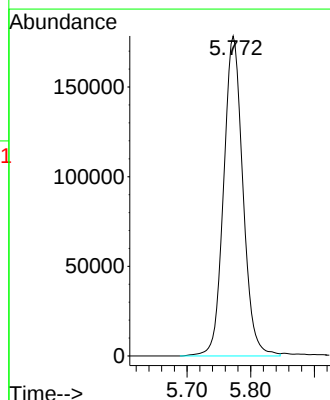
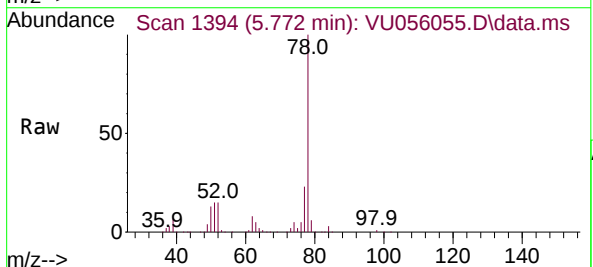
Instrument :
MSVOA_U
ClientSampleId :

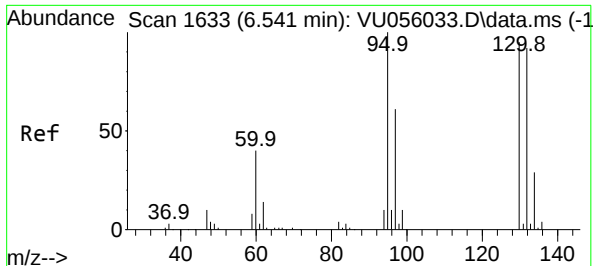
Tgt Ion:117 Resp: 135994
Ion Ratio Lower Upper
117 100
119 94.5 75.1 112.7



#33
Benzene
Concen: 5.198 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

Tgt Ion: 78 Resp: 376103





#34

Trichloroethene

Concen: 5.005 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 101295

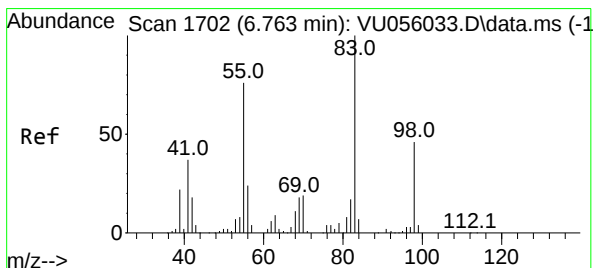
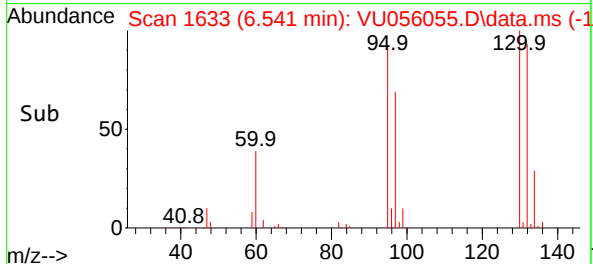
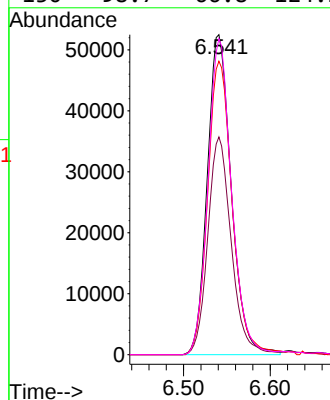
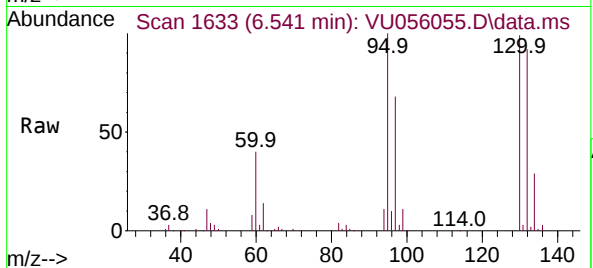
Ion Ratio Lower Upper

95 100

97 68.0 45.4 84.2

132 91.7 63.9 118.7

130 98.7 66.8 124.2



#35

Methylcyclohexane

Concen: 4.930 ug/L

RT: 6.763 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

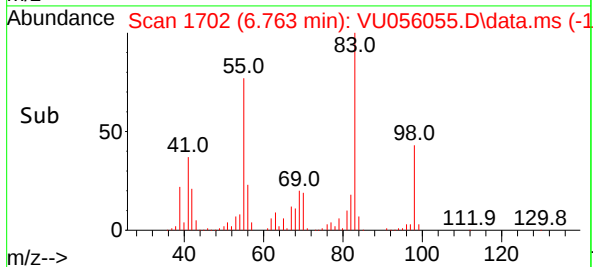
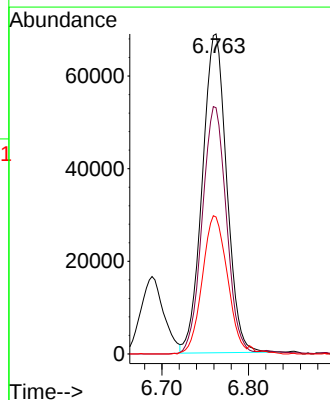
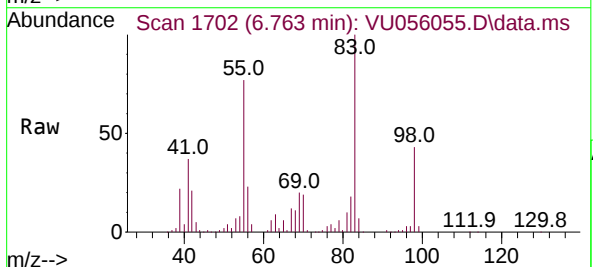
Tgt Ion: 83 Resp: 134660

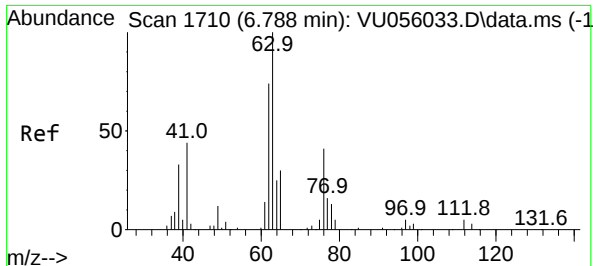
Ion Ratio Lower Upper

83 100

55 77.0 62.4 93.6

98 44.4 37.4 56.2





#37

1,2-Dichloropropane

Concen: 5.153 ug/L

RT: 6.788 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Instrument :

MSVOA_U

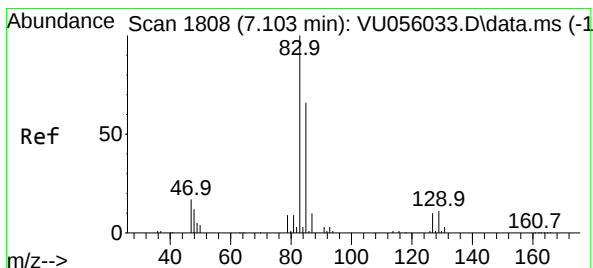
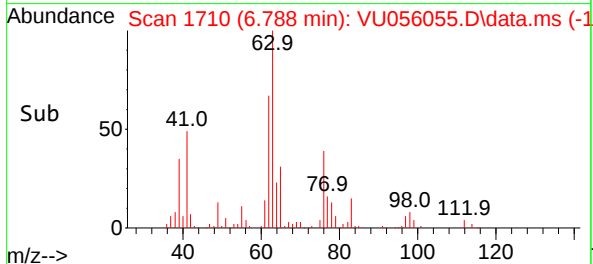
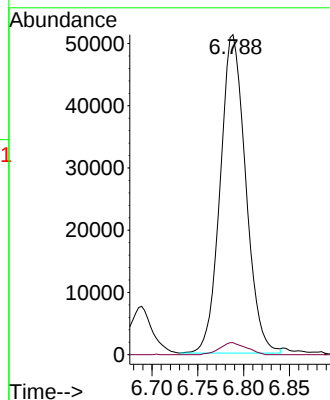
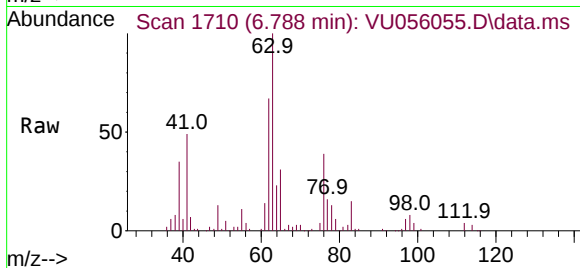
ClientSampleId :

Tgt Ion: 63 Resp: 98982

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



#38

Bromodichloromethane

Concen: 5.367 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

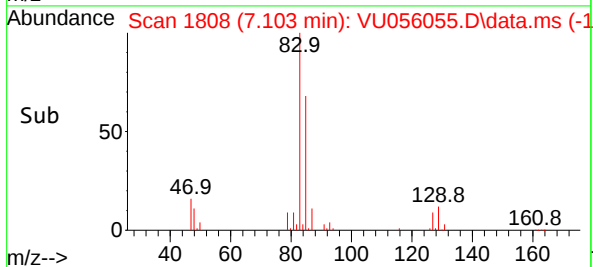
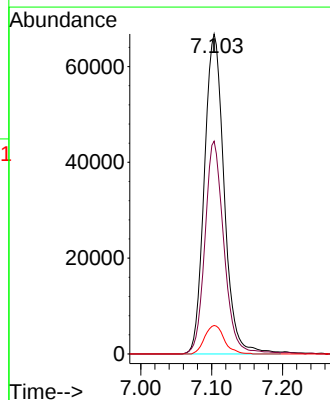
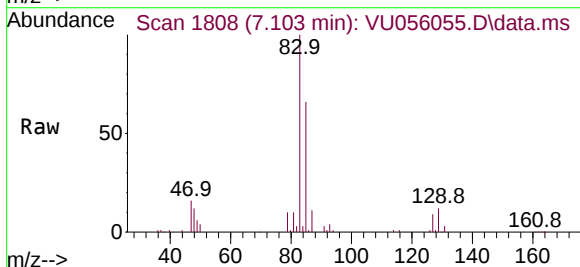
Tgt Ion: 83 Resp: 129444

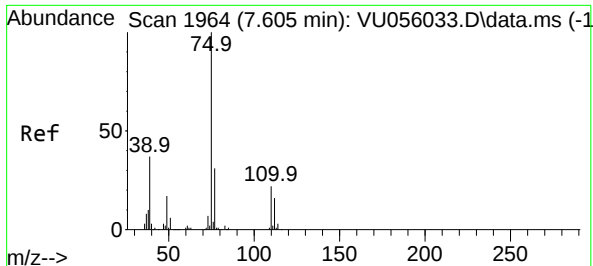
Ion Ratio Lower Upper

83 100

85 66.5 44.9 83.3

127 8.9 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.101 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Instrument :

MSVOA_U

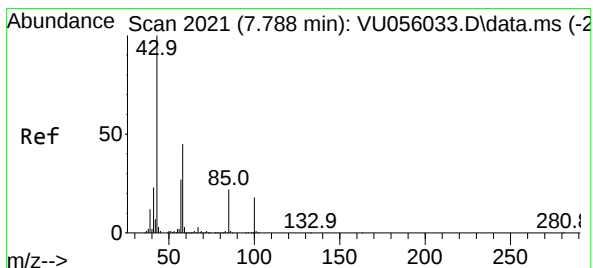
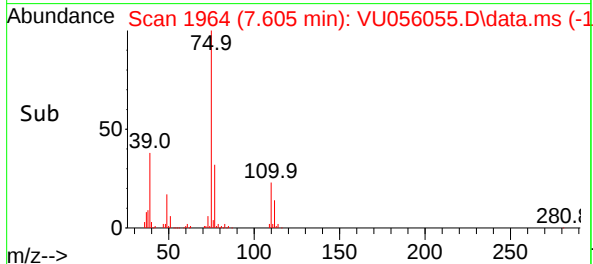
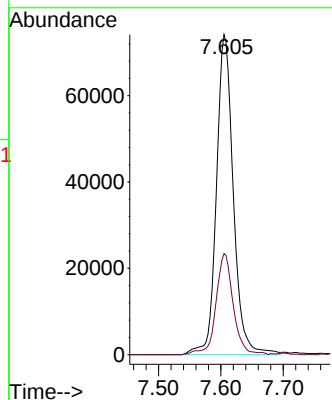
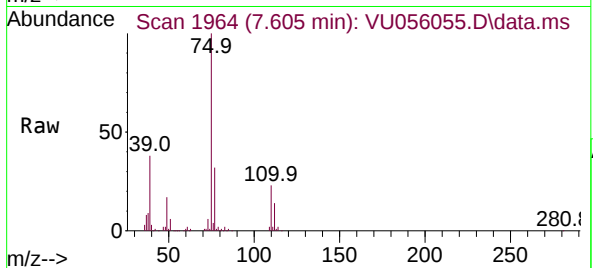
ClientSampleId :

Tgt Ion: 75 Resp: 139589

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 49.598 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

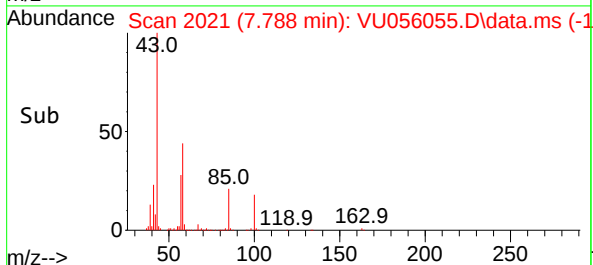
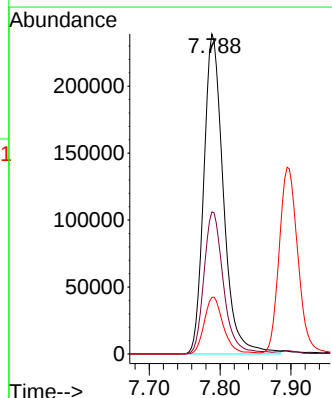
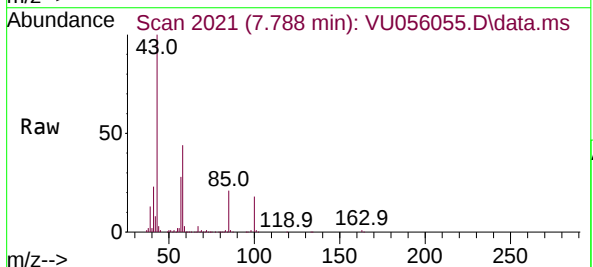
Tgt Ion: 43 Resp: 459298

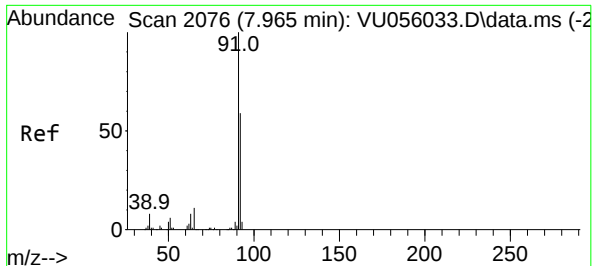
Ion Ratio Lower Upper

43 100

58 44.3 34.0 51.0

100 17.4 13.0 19.6





#42

Toluene

Concen: 5.354 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Instrument :

MSVOA_U

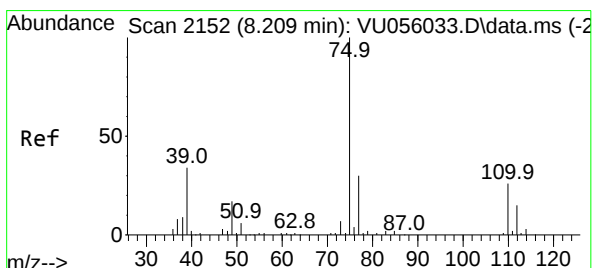
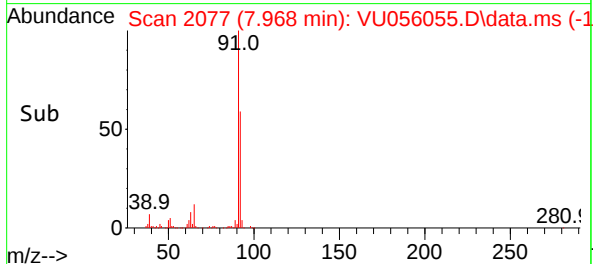
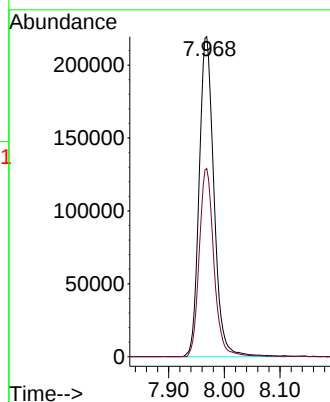
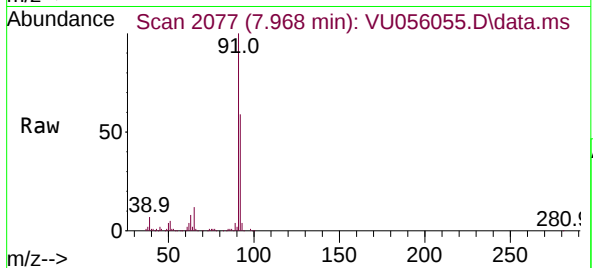
ClientSampleId :

Tgt Ion: 91 Resp: 404816

Ion Ratio Lower Upper

91 100

92 58.8 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.109 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU056055.D

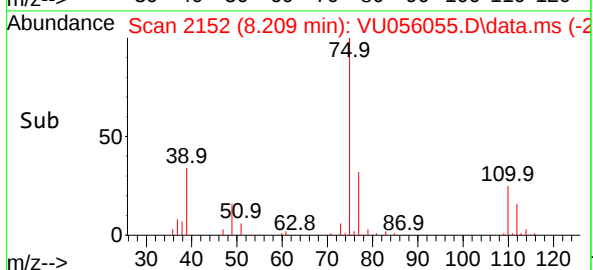
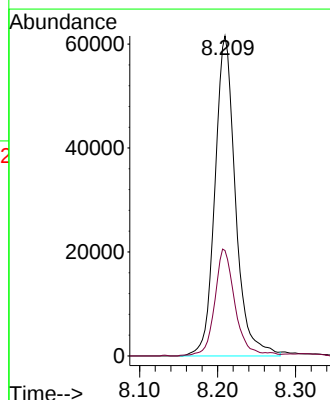
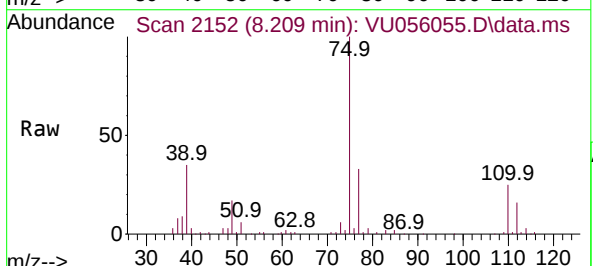
Acq: 02 Nov 2023 09:04

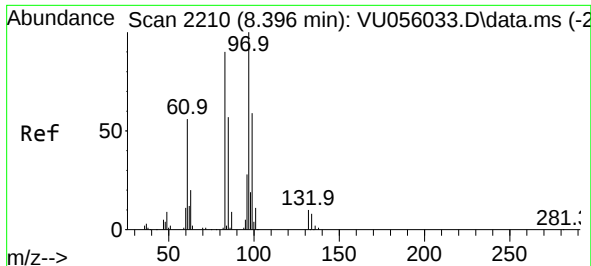
Tgt Ion: 75 Resp: 112860

Ion Ratio Lower Upper

75 100

77 32.9 21.7 40.3

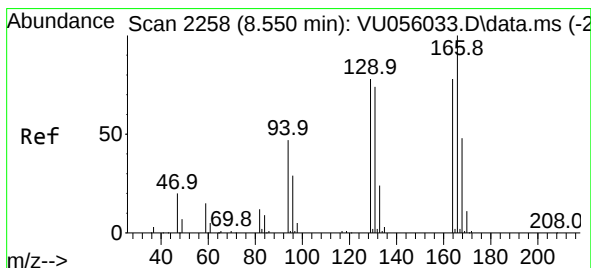
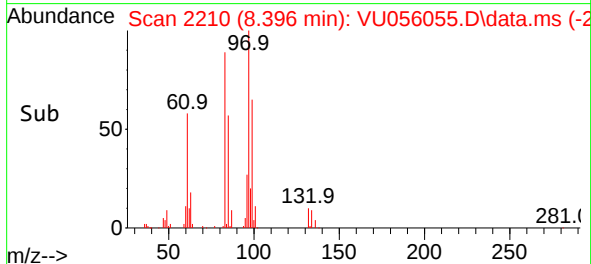
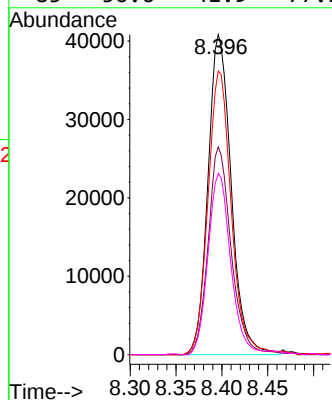
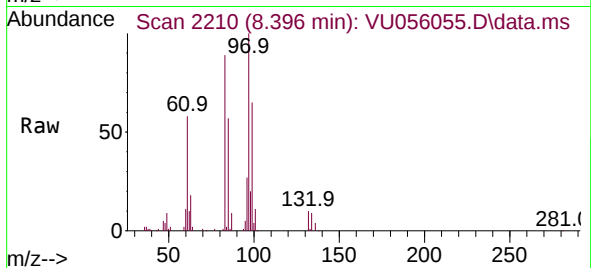




#45
1,1,2-Trichloroethane
Concen: 5.327 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

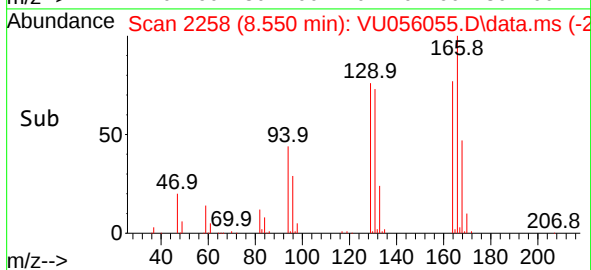
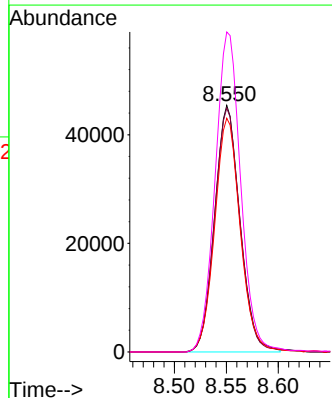
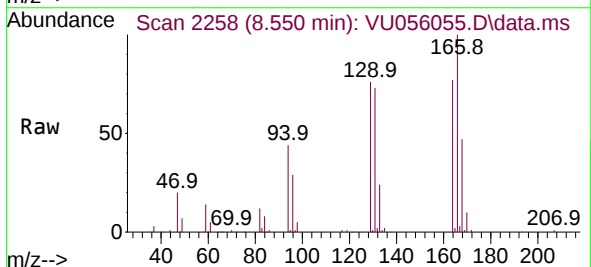
Instrument :
MSVOA_U
ClientSampleId :

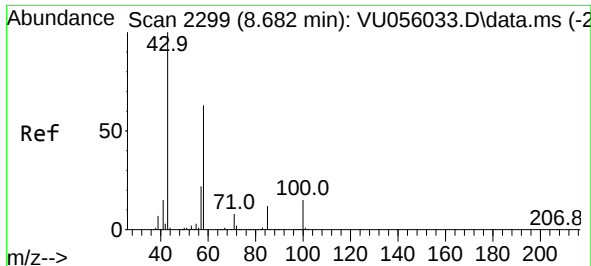
Tgt Ion:	97	Resp:	71954
Ion	Ratio	Lower	Upper
97	100		
99	65.0	45.3	84.1
83	88.7	61.9	115.1
85	56.6	41.9	77.9



#47
Tetrachloroethene
Concen: 5.433 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

Tgt Ion:	164	Resp:	77000
Ion	Ratio	Lower	Upper
164	100		
129	98.9	72.2	134.0
131	94.8	70.8	131.6
166	129.8	89.0	165.2



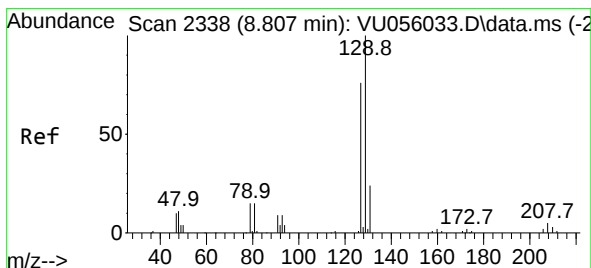
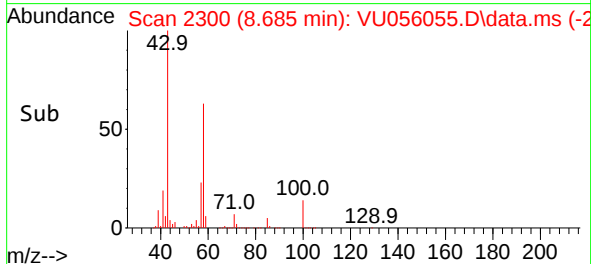
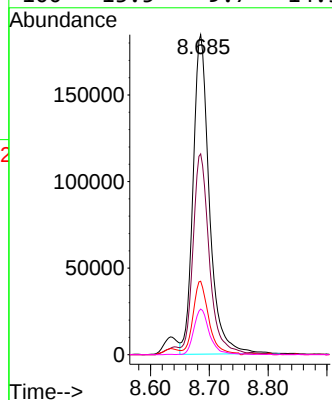
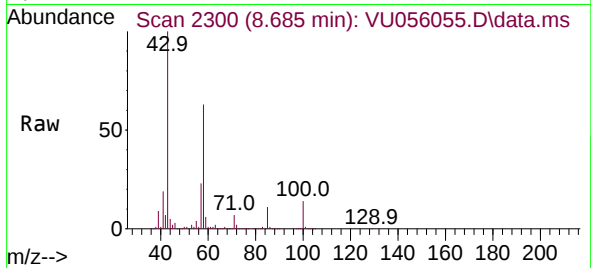


#48
2-Hexanone
Concen: 48.857 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 355736

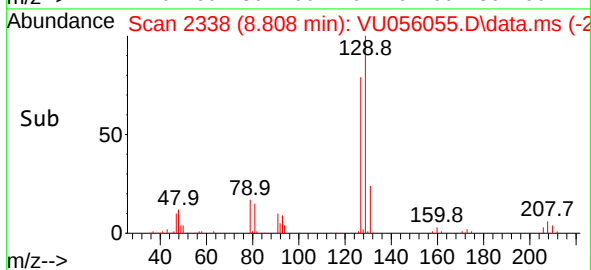
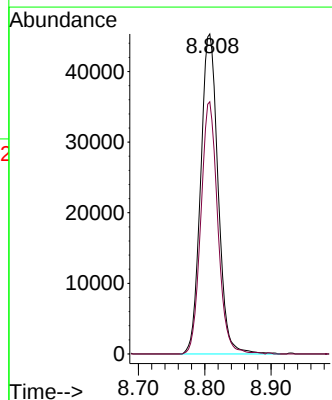
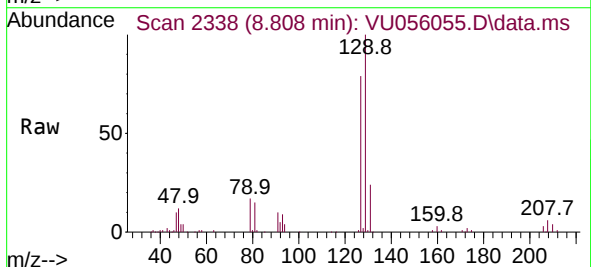
Ion	Ratio	Lower	Upper
43	100		
58	61.6	49.5	74.3
57	22.3	16.9	25.3
100	13.5	9.7	14.5

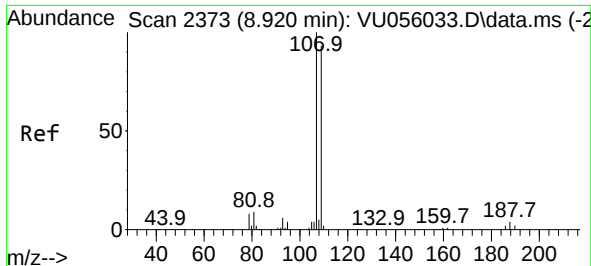


#49
Dibromochloromethane
Concen: 5.572 ug/L
RT: 8.808 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

Tgt Ion: 129 Resp: 82622

Ion	Ratio	Lower	Upper
129	100		
127	78.8	53.5	99.5





#50

1,2-Dibromoethane

Concen: 5.303 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056055.D

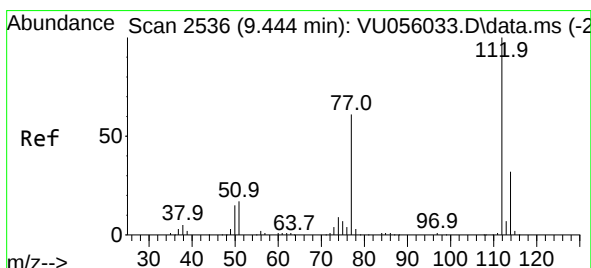
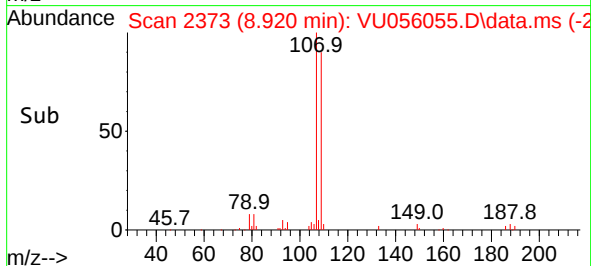
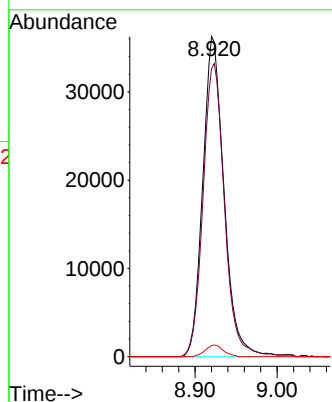
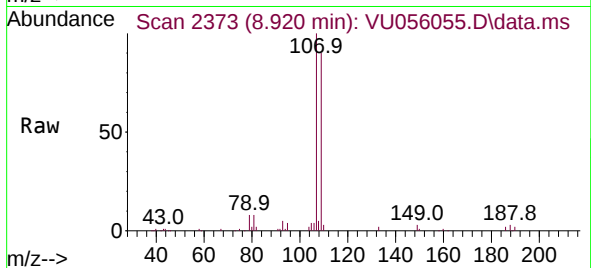
Acq: 02 Nov 2023 09:04

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	64997
Ion	Ratio	Lower	Upper
107	100		
109	90.1	65.0	120.6
188	3.5	2.5	3.7



#51

Chlorobenzene

Concen: 5.249 ug/L

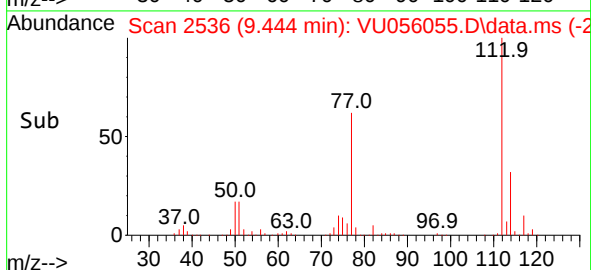
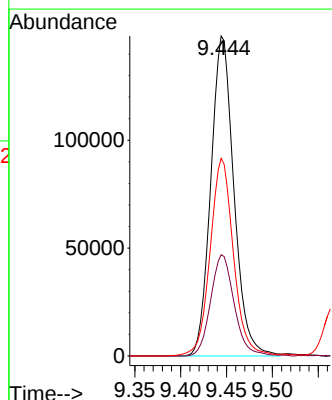
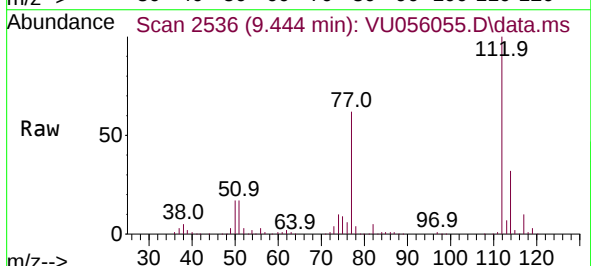
RT: 9.444 min Scan# 2536

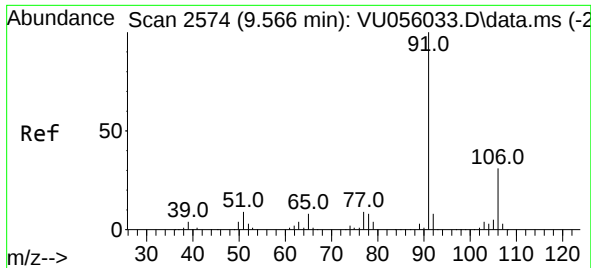
Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Tgt Ion:	112	Resp:	260122
Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.3	41.5
77	61.8	49.9	74.9

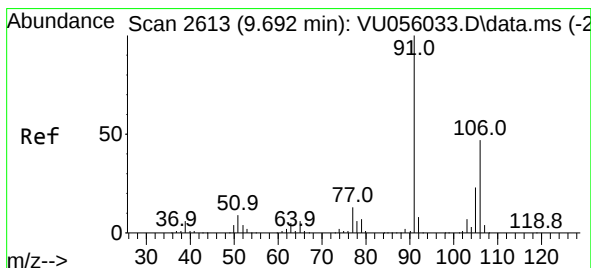
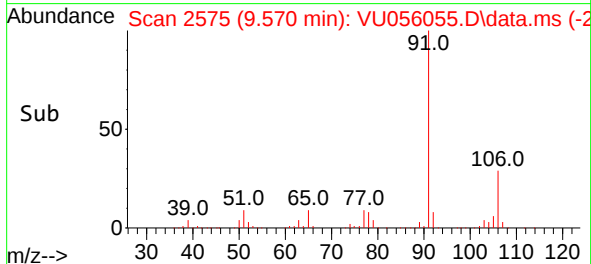
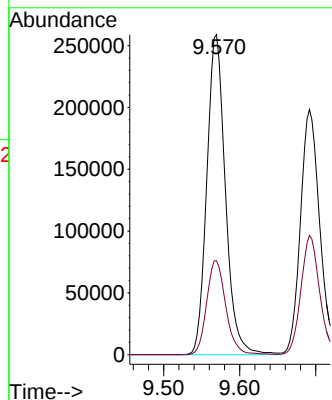
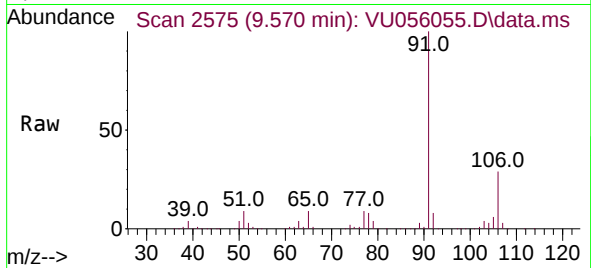




#52
Ethylbenzene
Concen: 5.133 ug/L
RT: 9.570 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

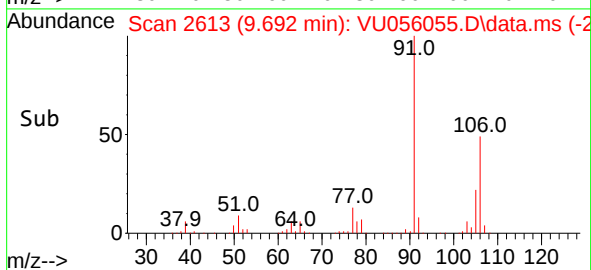
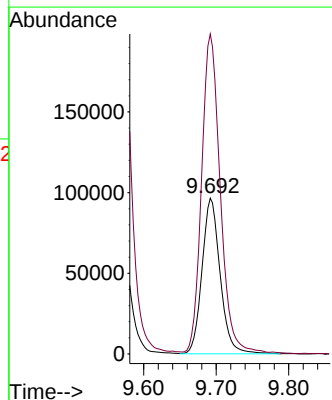
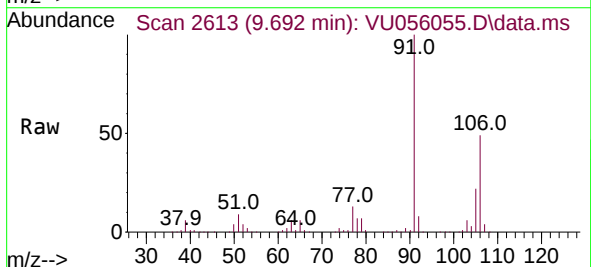
Instrument :
MSVOA_U
ClientSampleId :

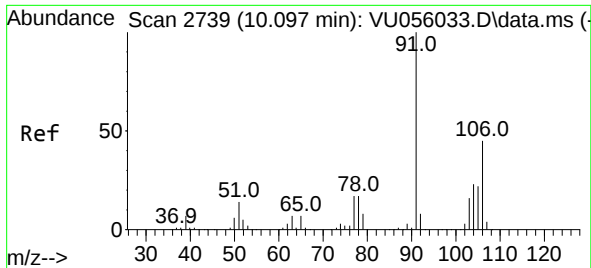
Tgt Ion: 91 Resp: 439998
Ion Ratio Lower Upper
91 100
106 29.4 21.3 39.5



#53
m,p-Xylene
Concen: 5.230 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

Tgt Ion: 106 Resp: 167508
Ion Ratio Lower Upper
106 100
91 205.4 150.4 279.2

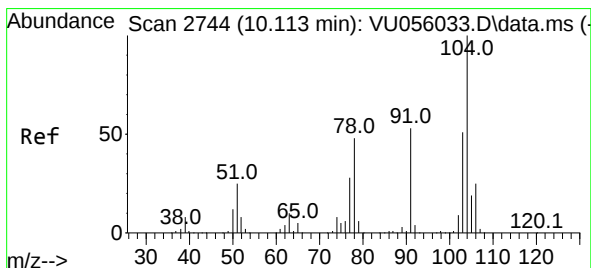
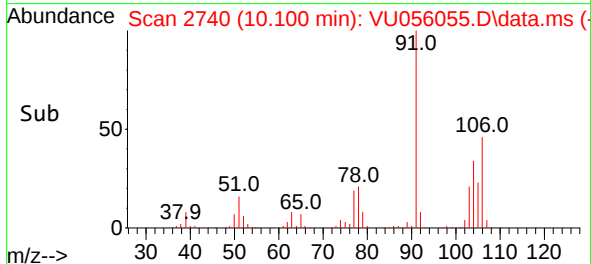
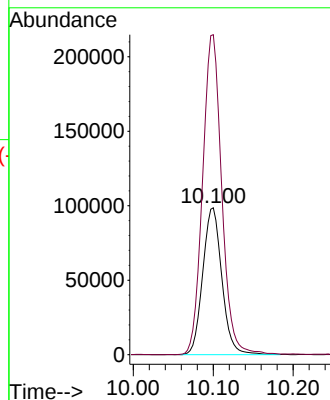
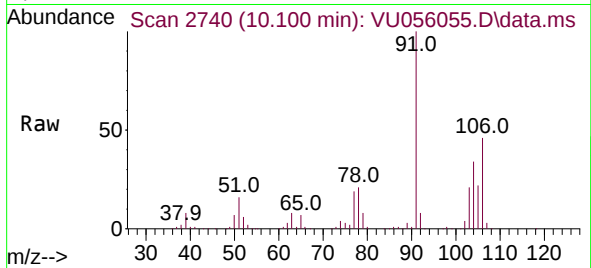




#54
o-Xylene
Concen: 5.246 ug/L
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

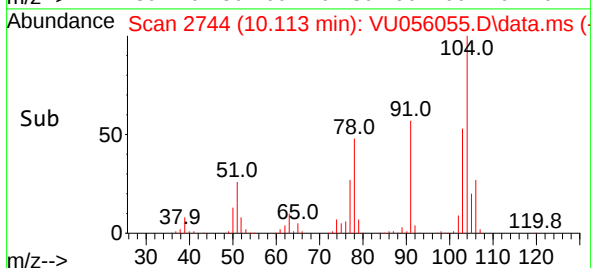
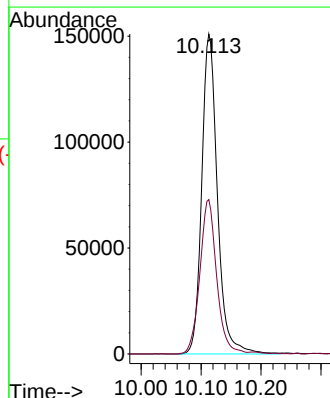
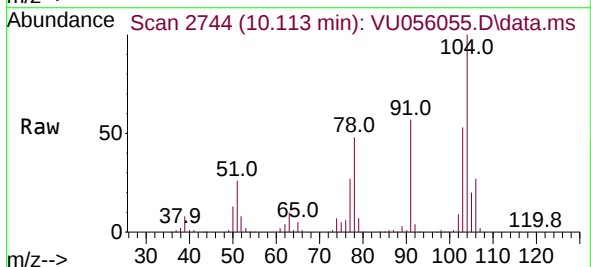
Instrument :
MSVOA_U
ClientSampleId :

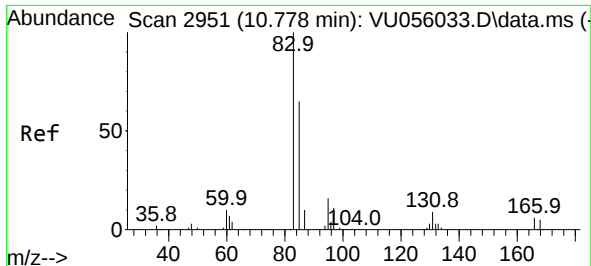
Tgt Ion:106 Resp: 164415
Ion Ratio Lower Upper
106 100
91 217.9 154.6 287.2



#55
Styrene
Concen: 5.476 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

Tgt Ion:104 Resp: 275130
Ion Ratio Lower Upper
104 100
78 48.2 33.9 63.0

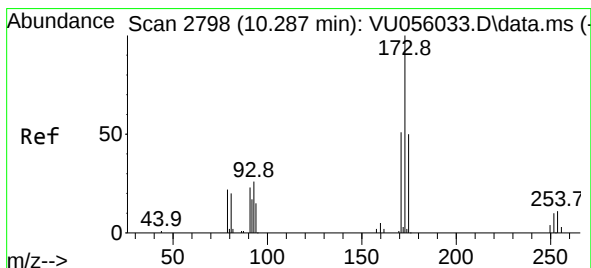
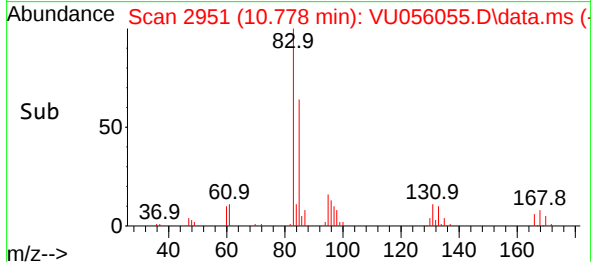
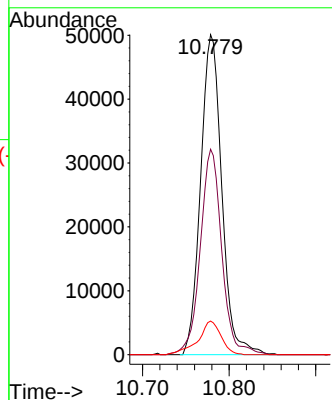
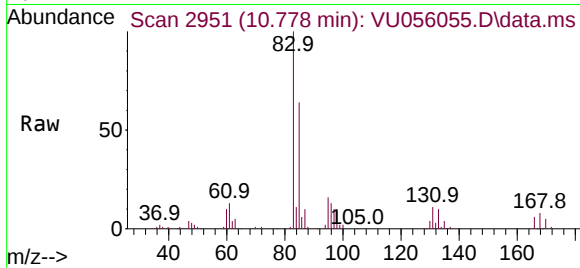




#57
1,1,2,2-Tetrachloroethane
Concen: 5.438 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

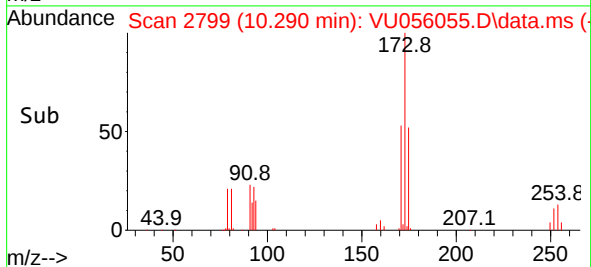
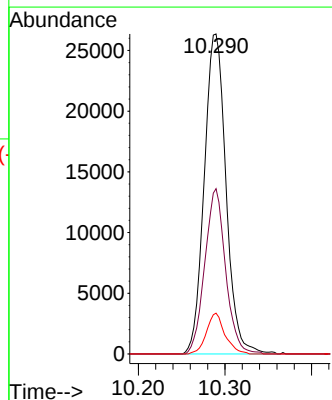
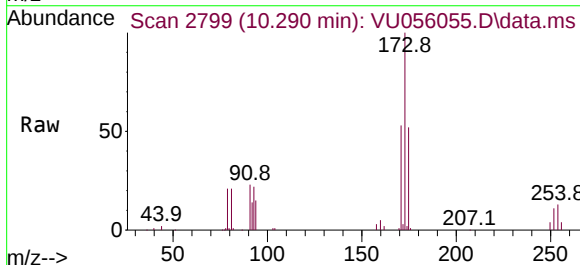
Instrument :
MSVOA_U
ClientSampleId :

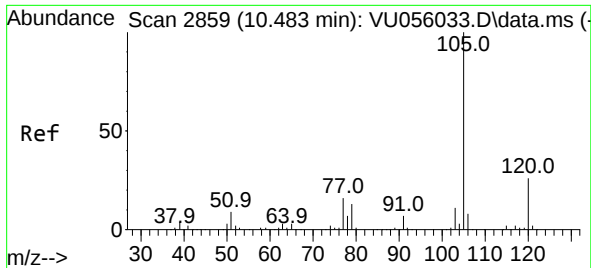
Tgt Ion: 83 Resp: 85026
Ion Ratio Lower Upper
83 100
85 64.2 46.2 85.8
131 10.5 7.2 10.8



#59
Bromoform
Concen: 5.681 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.003 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

Tgt Ion:173 Resp: 46043
Ion Ratio Lower Upper
173 100
175 49.4 37.8 56.6
254 10.8 7.4 11.0

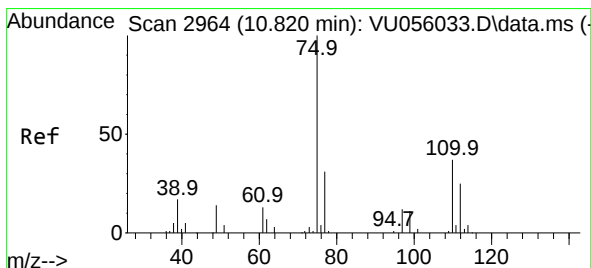
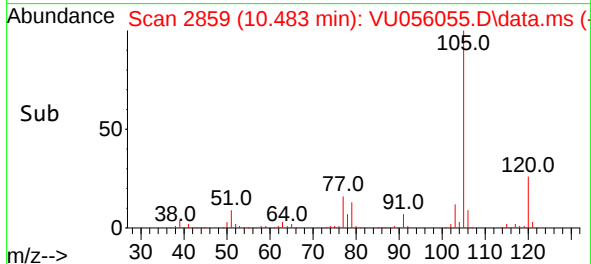
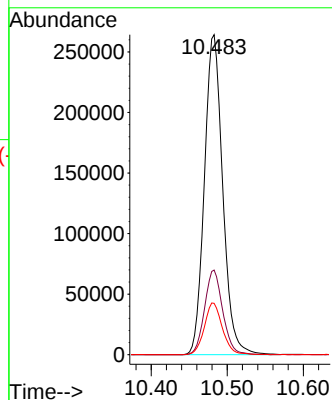
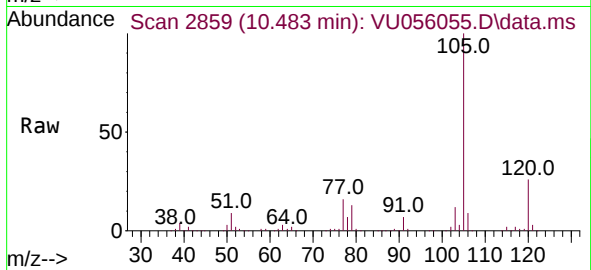




#60
Isopropylbenzene
Concen: 5.578 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

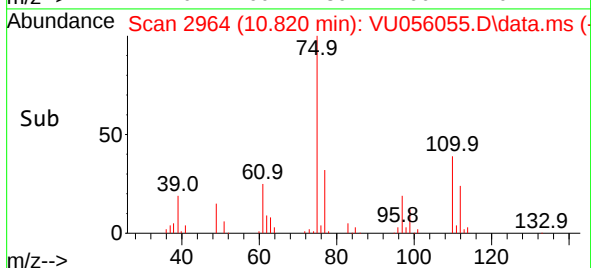
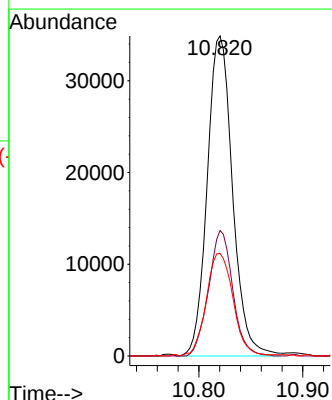
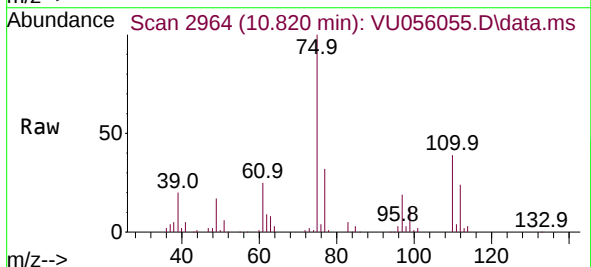
Instrument :
MSVOA_U
ClientSampleId :

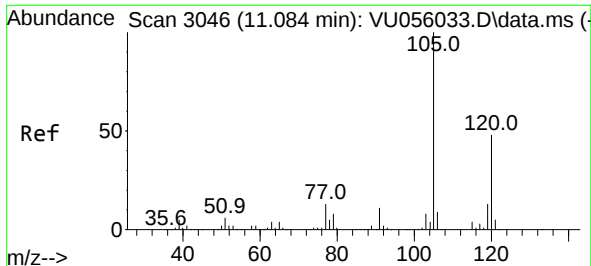
Tgt Ion:105 Resp: 442864
Ion Ratio Lower Upper
105 100
120 26.2 20.2 30.4
77 15.9 13.0 19.4



#61
1,2,3-Trichloropropane
Concen: 5.408 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

Tgt Ion: 75 Resp: 59159
Ion Ratio Lower Upper
75 100
110 37.3 29.0 43.6
77 33.8 24.5 36.7

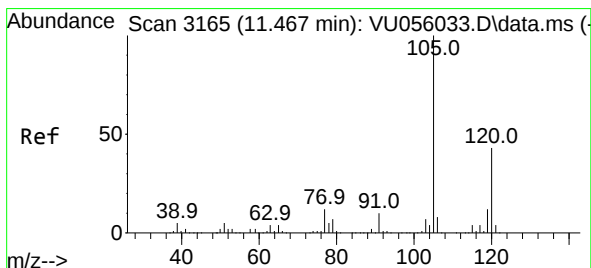
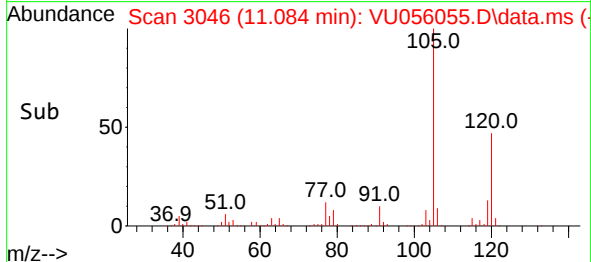
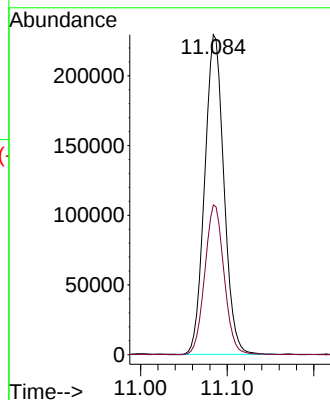
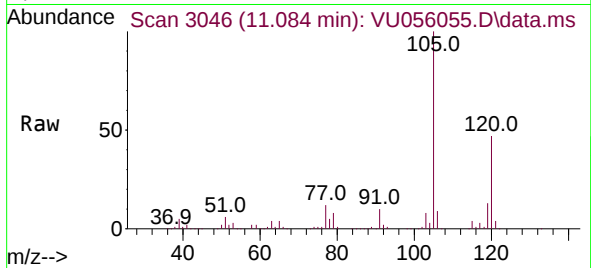




#62
 1,3,5-Trimethylbenzene
 Concen: 5.455 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU056055.D
 Acq: 02 Nov 2023 09:04

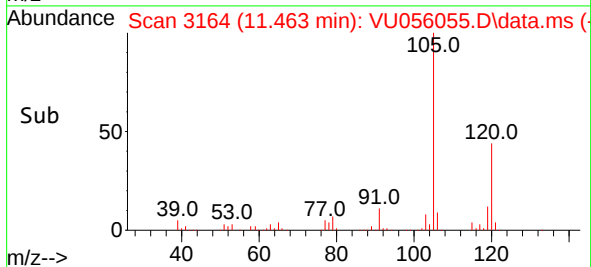
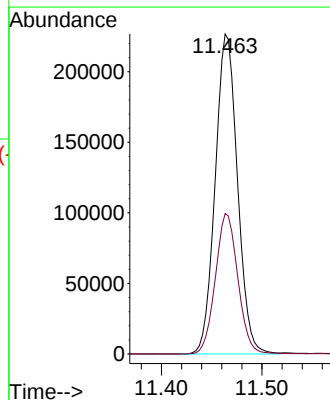
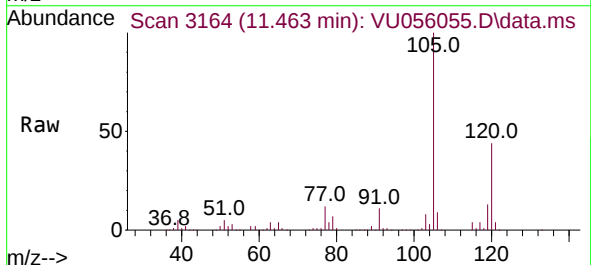
Instrument :
 MSVOA_U
 ClientSampleId :

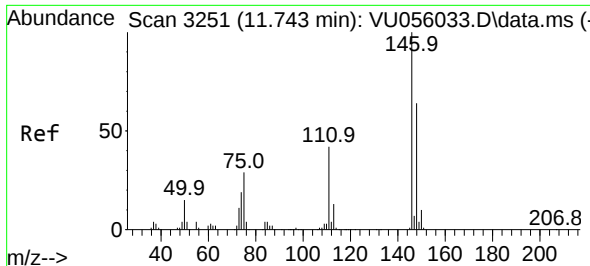
Tgt Ion:105 Resp: 353901
 Ion Ratio Lower Upper
 105 100
 120 47.0 37.4 56.2



#63
 1,2,4-Trimethylbenzene
 Concen: 5.800 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.003 min
 Lab File: VU056055.D
 Acq: 02 Nov 2023 09:04

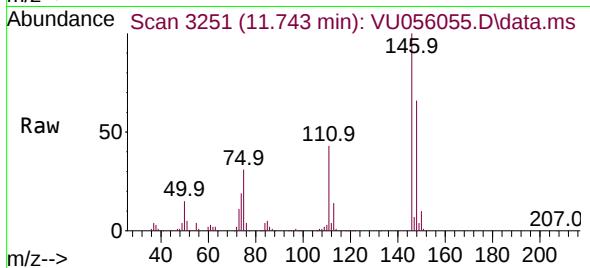
Tgt Ion:105 Resp: 349571
 Ion Ratio Lower Upper
 105 100
 120 44.2 34.6 52.0



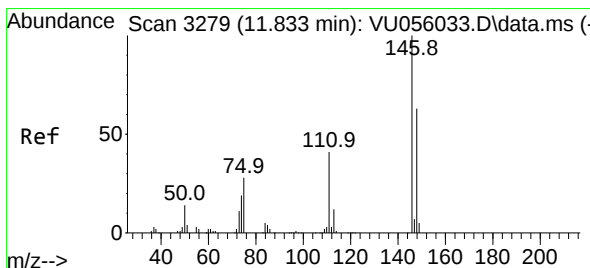
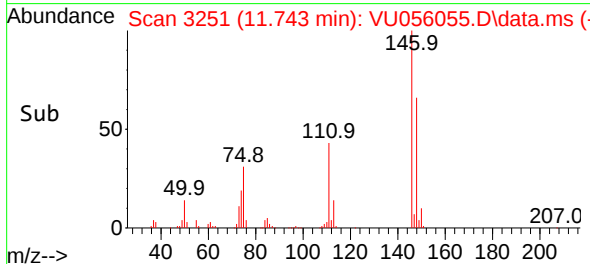
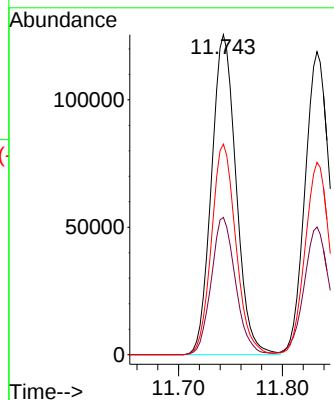


#64
1,3-Dichlorobenzene
Concen: 5.492 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

Instrument :
MSVOA_U
ClientSampleId :

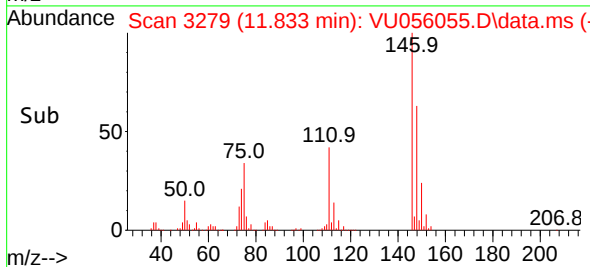
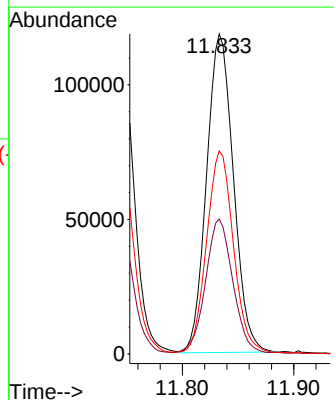
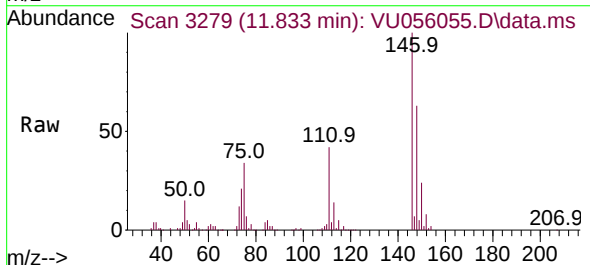


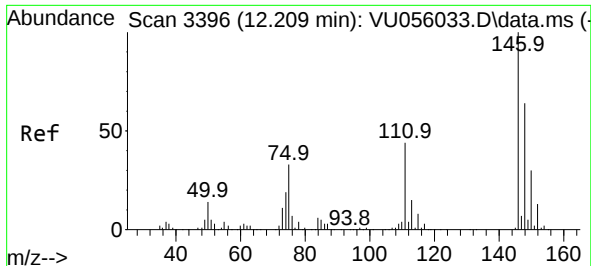
Tgt Ion:146 Resp: 206696
Ion Ratio Lower Upper
146 100
111 42.9 31.1 57.9
148 65.8 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 5.278 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU056055.D
Acq: 02 Nov 2023 09:04

Tgt Ion:146 Resp: 198232
Ion Ratio Lower Upper
146 100
111 42.2 29.3 54.3
148 63.5 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 5.535 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Instrument :

MSVOA_U

ClientSampleId :

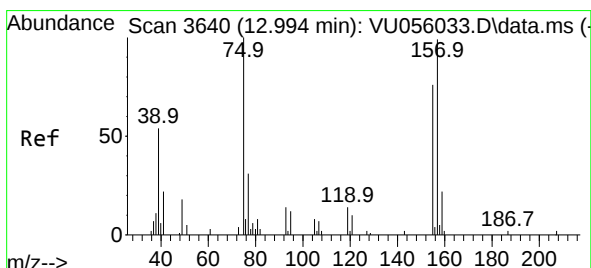
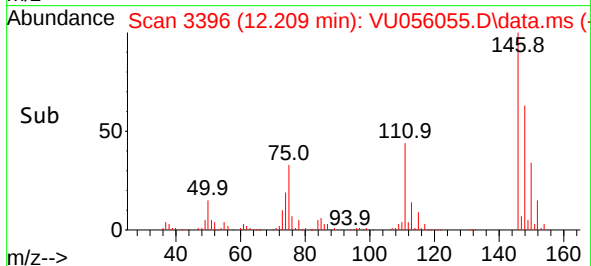
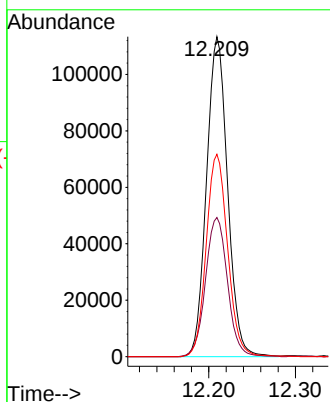
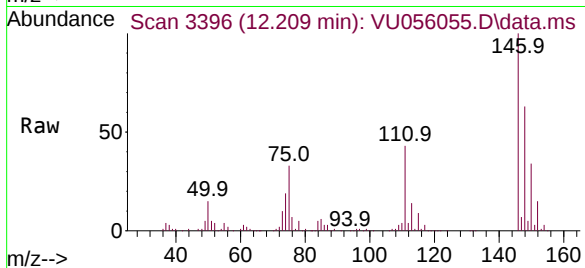
Tgt Ion:146 Resp: 191254

Ion Ratio Lower Upper

146 100

111 43.5 36.7 55.1

148 63.2 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.870 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

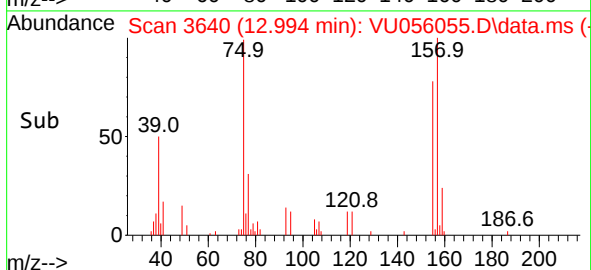
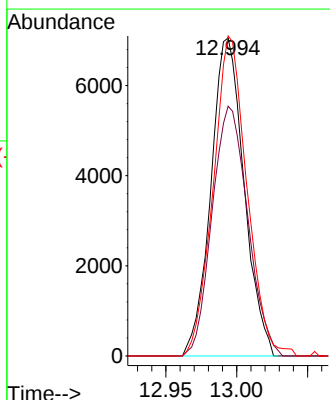
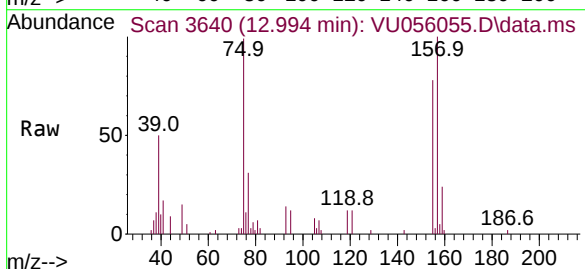
Tgt Ion: 75 Resp: 11456

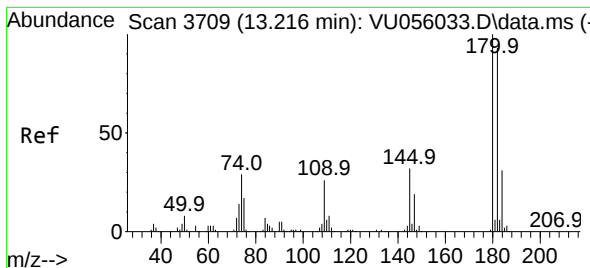
Ion Ratio Lower Upper

75 100

155 78.5 65.3 97.9

157 100.6 87.9 131.9





#69

1,3,5-Trichlorobenzene

Concen: 5.887 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

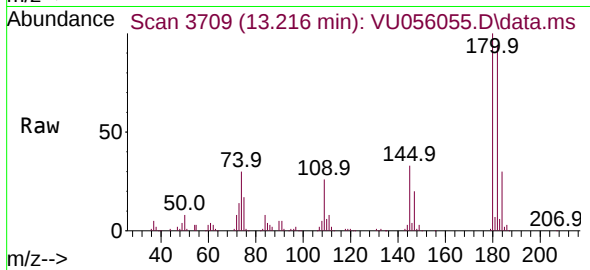
Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 151406

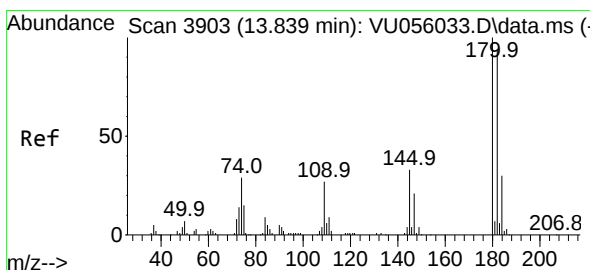
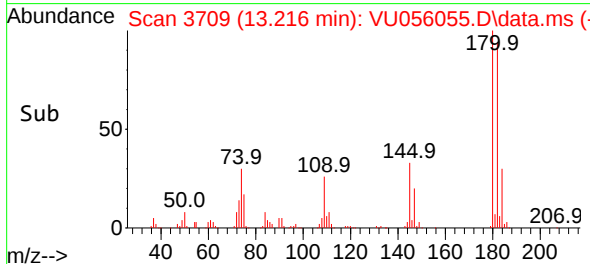
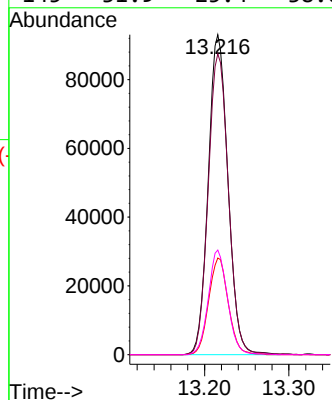
Ion Ratio Lower Upper

180 100

182 96.1 74.7 112.1

184 30.1 23.8 35.8

145 31.9 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 5.837 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.003 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

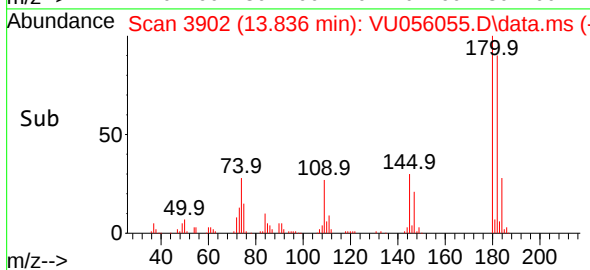
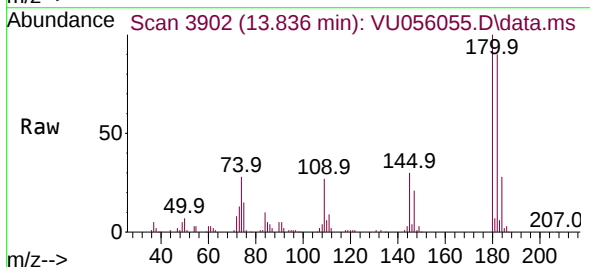
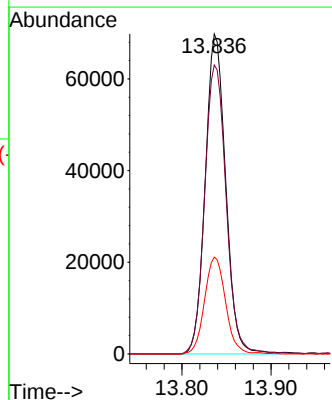
Tgt Ion:180 Resp: 110958

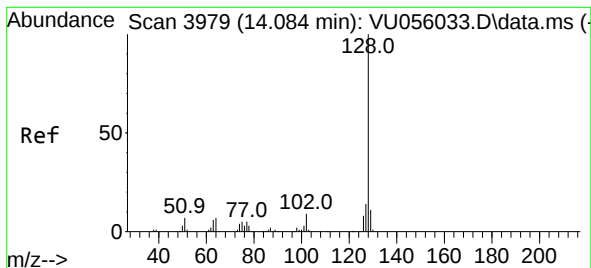
Ion Ratio Lower Upper

180 100

182 95.0 76.1 114.1

145 31.0 26.4 39.6





#71

Naphthalene

Concen: 5.184 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Instrument :

MSVOA_U

ClientSampleId :

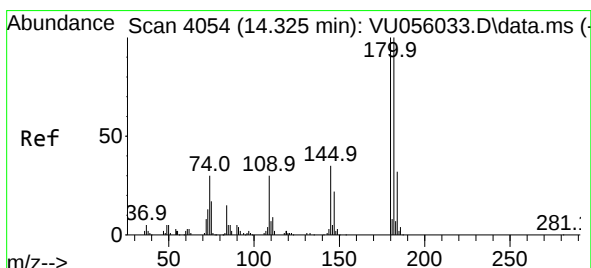
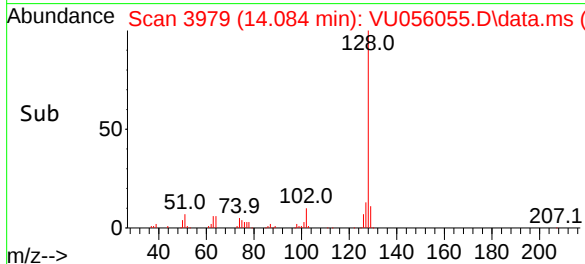
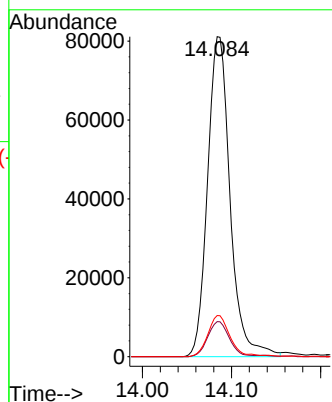
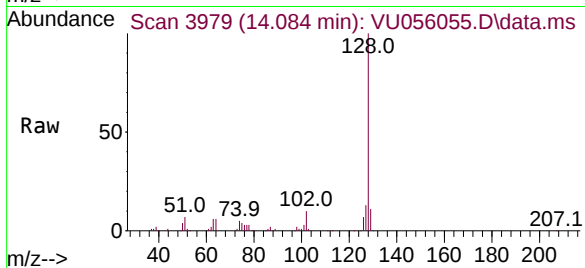
Tgt Ion:128 Resp: 142702

Ion Ratio Lower Upper

128 100

129 10.5 8.3 12.5

127 12.5 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 5.655 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU056055.D

Acq: 02 Nov 2023 09:04

Tgt Ion:180 Resp: 92684

Ion Ratio Lower Upper

180 100

182 94.8 74.6 112.0

145 34.2 27.4 41.2

