

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092623\
 Data File : VU055506.D
 Acq On : 26 Sep 2023 09:45
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 27 04:36:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Sep 25 01:08:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	303223	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	309044	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	166288	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	95230	3.107	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.200%
7) Chloroethane-d5	1.910	69	88844	3.290	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.800%
11) 1,1-Dichloroethene-d2	2.563	65	40226	3.189	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.800%
20) 2-Butanone-d5	4.627	46	309515	55.915	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.820%
24) Chloroform-d	5.058	84	242333	4.372	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.698	65	115932	4.348	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
32) Benzene-d6	5.724	84	426456	3.945	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.000%
36) 1,2-Dichloropropane-d6	6.688	67	141562	4.383	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.600%
41) Toluene-d8	7.894	98	362615	3.680	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.600%
43) trans-1,3-Dichloroprop...	8.177	79	51481	4.542	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.800%
46) 2-Hexanone-d5	8.630	63	186107	53.982	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.960%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	117981	4.874	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	135947	4.051	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	144902	4.908	ug/L	100
3) Chloromethane	1.515	50	128703	4.956	ug/L	98
5) Vinyl chloride	1.602	62	140507	5.015	ug/L	99
6) Bromomethane	1.856	94	74318	4.176	ug/L	100
8) Chloroethane	1.930	64	76991	4.211	ug/L	99
9) Trichlorofluoromethane	2.136	101	184223	4.742	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	119067	5.036	ug/L	98
12) 1,1-Dichloroethene	2.576	96	107299	5.061	ug/L	81
13) Acetone	2.640	43	153693	48.708	ug/L	99
14) Carbon disulfide	2.788	76	330939	5.193	ug/L	98
15) Methyl Acetate	2.952	43	37273	5.181	ug/L	94
16) Methylene chloride	3.042	84	122600	4.827	ug/L	95
17) Methyl tert-butyl Ether	3.357	73	232127	5.047	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	107009	5.008	ug/L	96
19) 1,1-Dichloroethane	3.862	63	202896	5.134	ug/L	98
21) 2-Butanone	4.708	43	233066	50.361	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	118541	4.785	ug/L	98
23) Bromochloromethane	4.971	128	52635	5.026	ug/L	94
25) Chloroform	5.084	83	214635	5.129	ug/L	98

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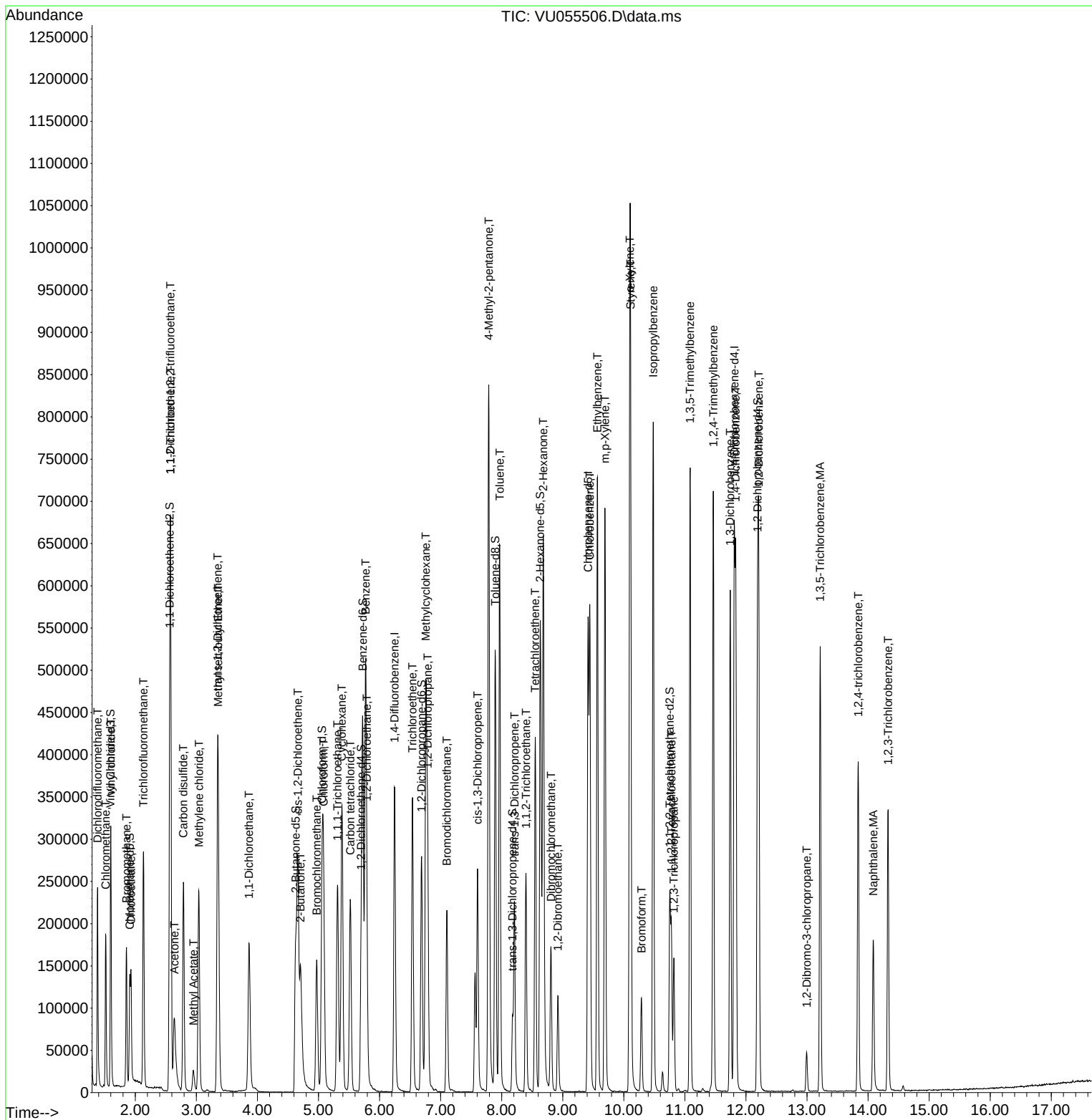
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 ClientSampleId :

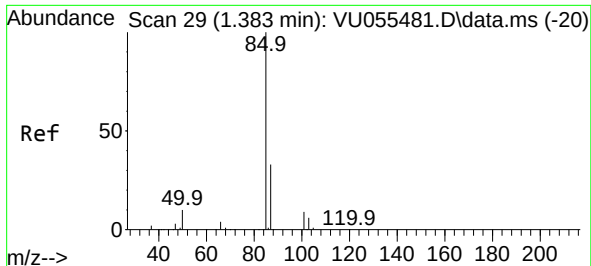
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	122321	4.767	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	182982	5.194	ug/L	98
30) Cyclohexane	5.383	56	167351	5.189	ug/L	99
31) Carbon tetrachloride	5.521	117	163320	5.408	ug/L	98
33) Benzene	5.772	78	461100	5.184	ug/L	100
34) Trichloroethene	6.541	95	127692	5.075	ug/L	96
35) Methylcyclohexane	6.759	83	182488	5.035	ug/L	97
37) 1,2-Dichloropropane	6.788	63	117378	5.046	ug/L	99
38) Bromodichloromethane	7.103	83	145751	5.347	ug/L	96
39) cis-1,3-Dichloropropene	7.605	75	166419	5.360	ug/L	95
40) 4-Methyl-2-pentanone	7.788	43	542905	51.449	ug/L	99
42) Toluene	7.968	91	495160	5.219	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	133375	5.369	ug/L	99
45) 1,1,2-Trichloroethane	8.399	97	84444	5.177	ug/L	98
47) Tetrachloroethene	8.550	164	94425	5.232	ug/L	98
48) 2-Hexanone	8.682	43	415221	50.772	ug/L	98
49) Dibromochloromethane	8.807	129	90761	5.308	ug/L	97
50) 1,2-Dibromoethane	8.920	107	79319	5.240	ug/L	96
51) Chlorobenzene	9.444	112	306964	5.051	ug/L	98
52) Ethylbenzene	9.569	91	524543	5.157	ug/L	99
53) m,p-Xylene	9.692	106	199399	5.231	ug/L	98
54) o-Xylene	10.100	106	193994	5.235	ug/L	96
55) Styrene	10.113	104	323069	5.391	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.778	83	96695	5.251	ug/L	99
59) Bromoform	10.290	173	51580	5.787	ug/L	98
60) Isopropylbenzene	10.482	105	518970	5.415	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	67982	5.237	ug/L	97
62) 1,3,5-Trimethylbenzene	11.087	105	415550	5.422	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	398539	5.313	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	247696	5.398	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	243527	5.310	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	225306	5.356	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	12793	5.686	ug/L	90
69) 1,3,5-Trichlorobenzene	13.215	180	165595	5.241	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	120331	4.995	ug/L	99
71) Naphthalene	14.087	128	161598	4.634	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	103282	4.927	ug/L	98

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

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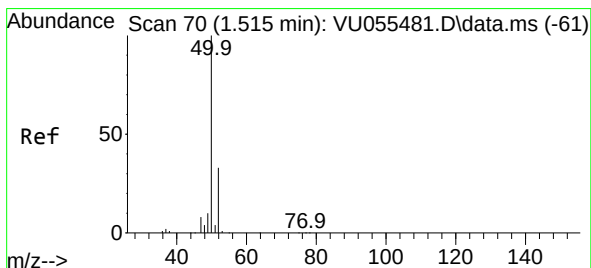
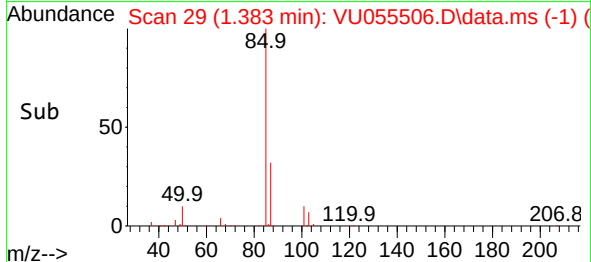
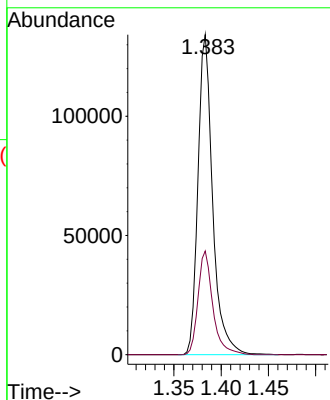
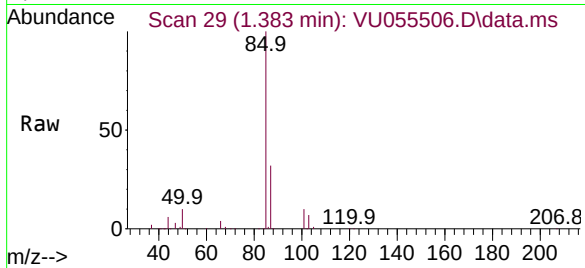




#2
 Dichlorodifluoromethane
 Concen: 4.908 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055506.D
 Acq: 26 Sep 2023 09:45

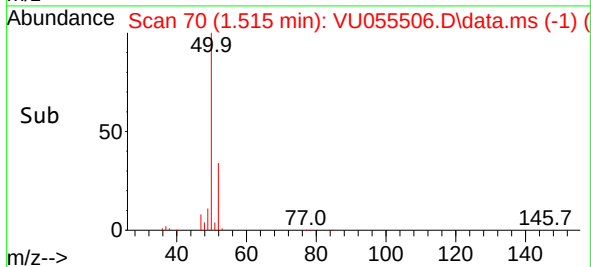
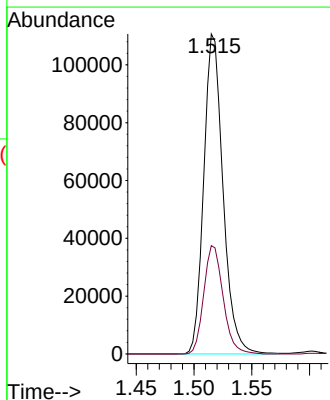
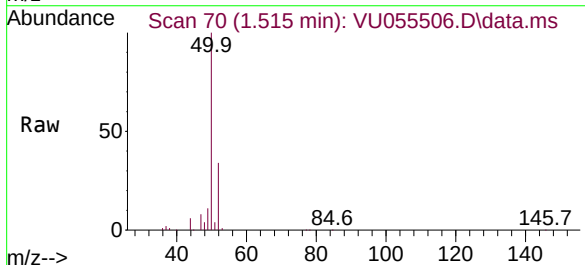
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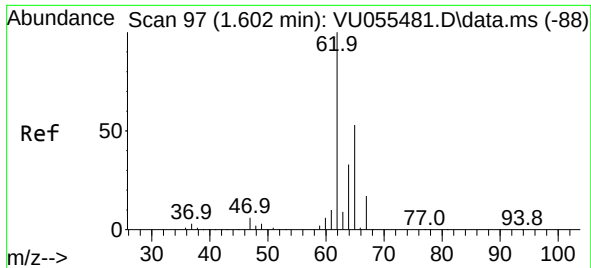
Tgt Ion: 85 Resp: 144902
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.0 39.0



#3
 Chloromethane
 Concen: 4.956 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU055506.D
 Acq: 26 Sep 2023 09:45

Tgt Ion: 50 Resp: 128703
 Ion Ratio Lower Upper
 50 100
 52 33.9 22.9 42.5

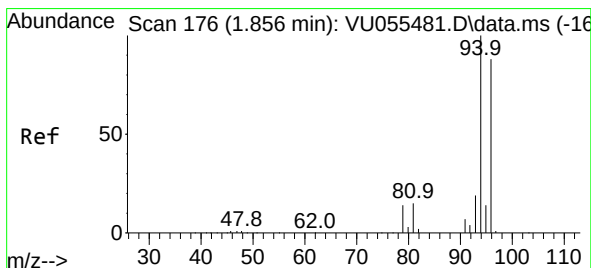
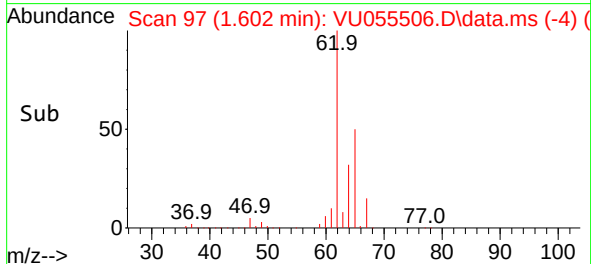
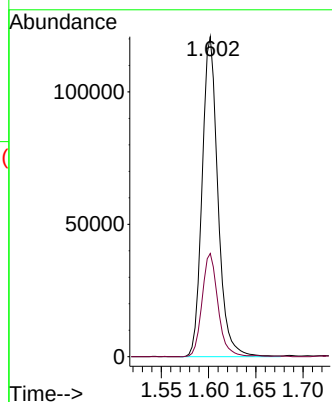
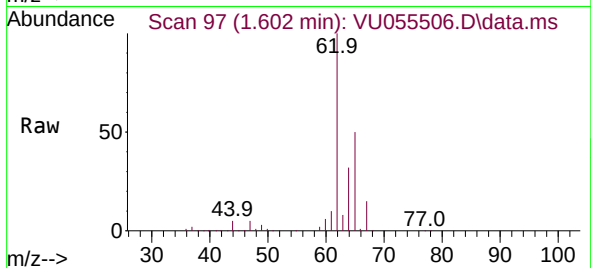




#5
 Vinyl chloride
 Concen: 5.015 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055506.D
 Acq: 26 Sep 2023 09:45

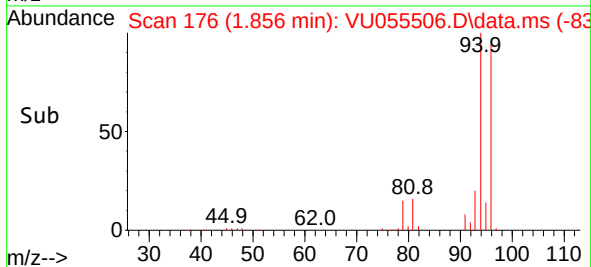
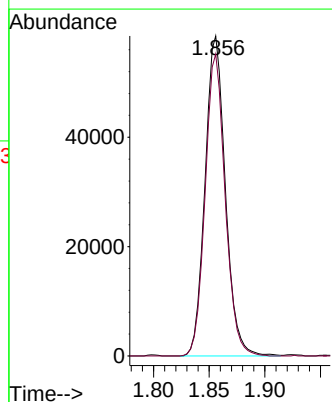
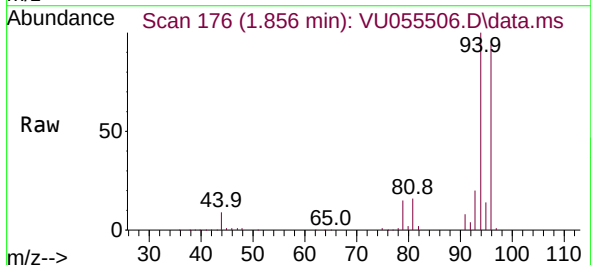
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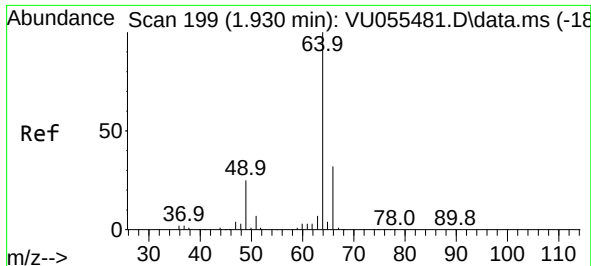
Tgt Ion: 62 Resp: 140507
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.3 41.5



#6
 Bromomethane
 Concen: 4.176 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU055506.D
 Acq: 26 Sep 2023 09:45

Tgt Ion: 94 Resp: 74318
 Ion Ratio Lower Upper
 94 100
 96 94.3 66.4 123.2

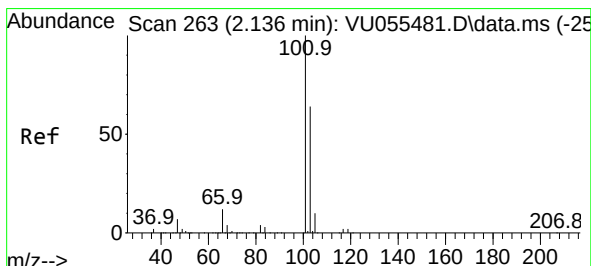
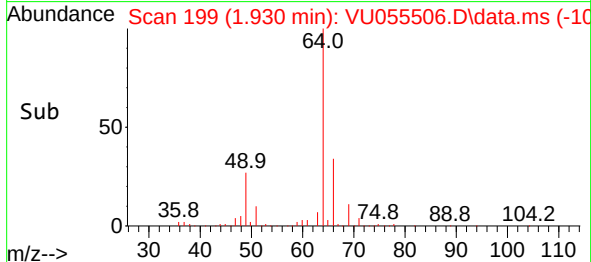
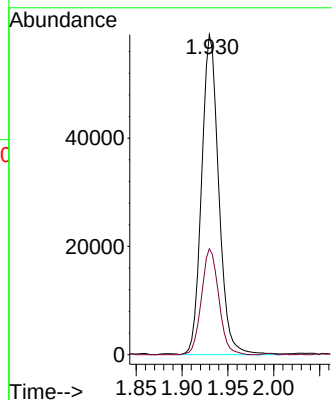
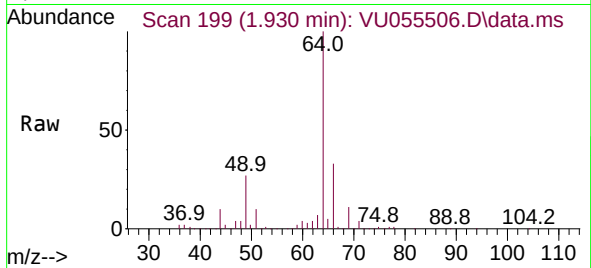




#8
Chloroethane
Concen: 4.211 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

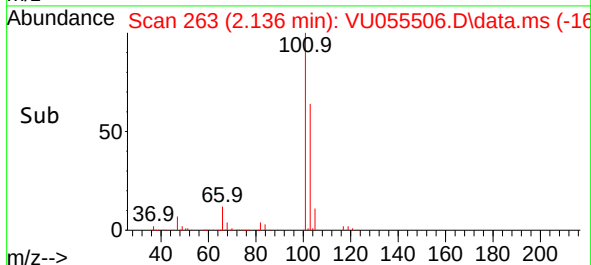
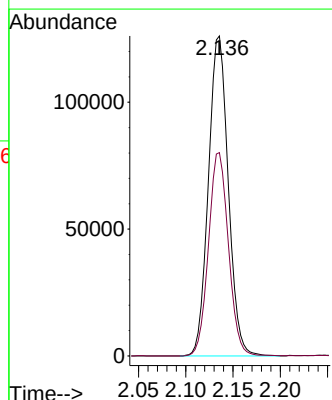
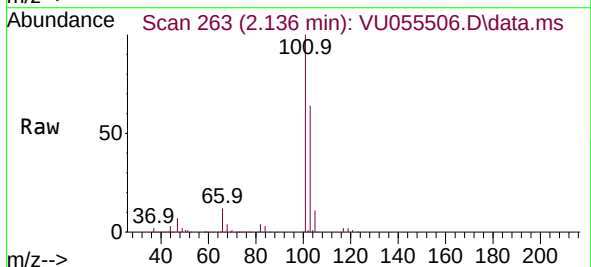
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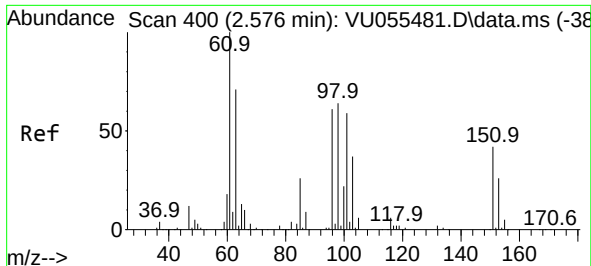
Tgt Ion: 64 Resp: 76991
Ion Ratio Lower Upper
64 100
66 33.1 23.7 44.1



#9
Trichlorofluoromethane
Concen: 4.742 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.006 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

Tgt Ion:101 Resp: 184223
Ion Ratio Lower Upper
101 100
103 63.9 52.0 78.0

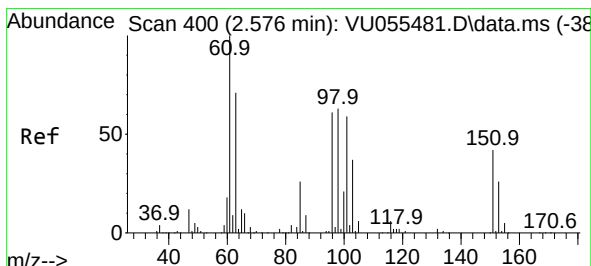
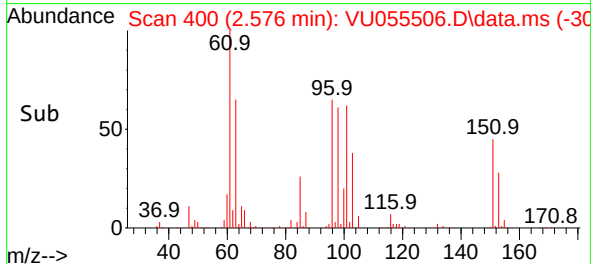
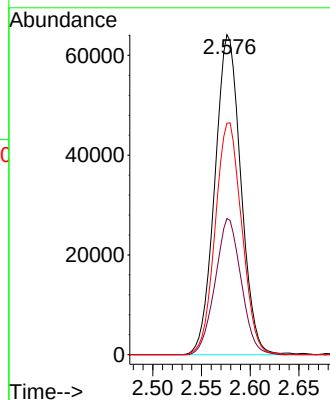
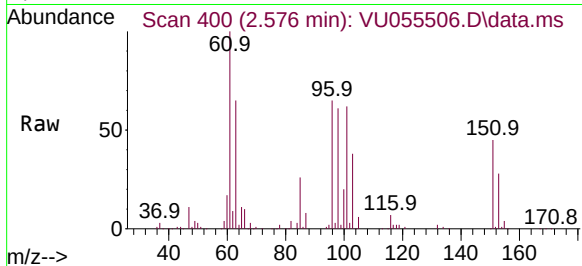




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.036 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU055506.D
 Acq: 26 Sep 2023 09:45

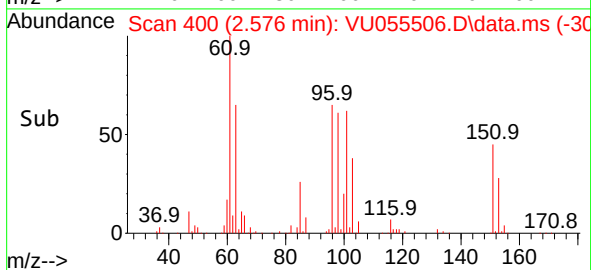
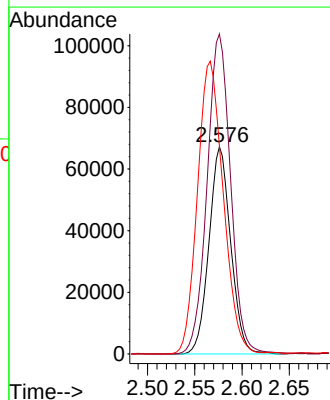
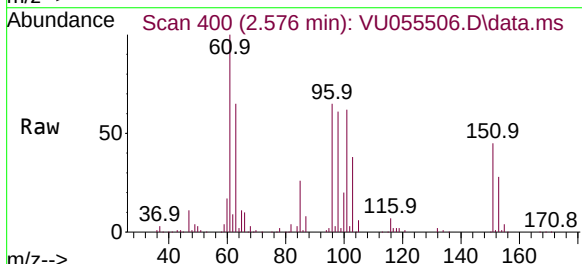
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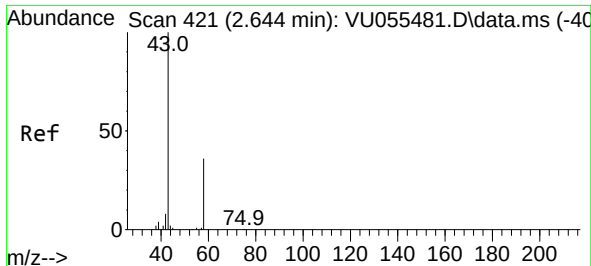
Tgt Ion:101 Resp: 119067
 Ion Ratio Lower Upper
 101 100
 85 42.5 35.8 53.6
 151 74.0 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 5.061 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU055506.D
 Acq: 26 Sep 2023 09:45

Tgt Ion: 96 Resp: 107299
 Ion Ratio Lower Upper
 96 100
 61 154.4 114.5 212.7
 63 100.5 98.3 182.5





#13

Acetone

Concen: 48.708 ug/L

RT: 2.640 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

Instrument :

MSVOA_U

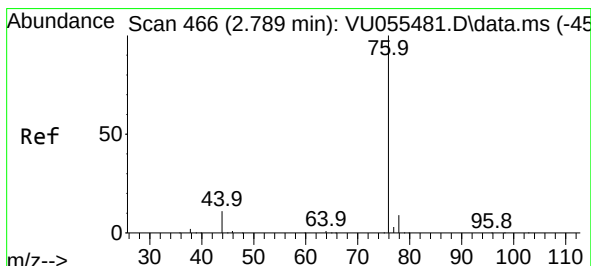
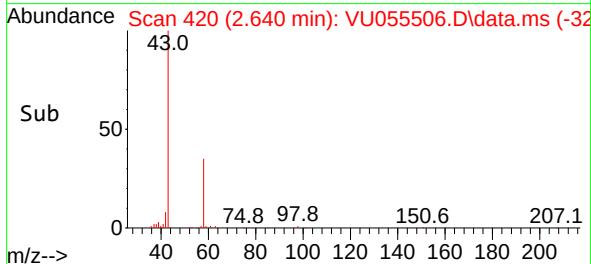
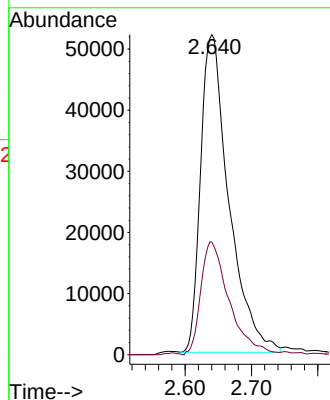
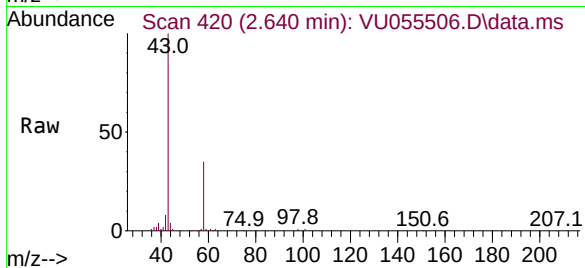
ClientSampleId :

Tgt Ion: 43 Resp: 153693

Ion Ratio Lower Upper

43 100

58 35.5 0.0 72.2



#14

Carbon disulfide

Concen: 5.193 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU055506.D

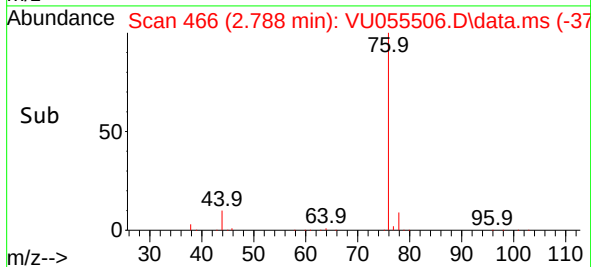
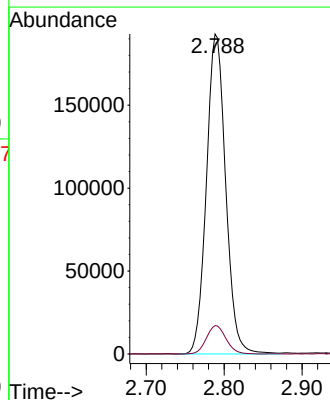
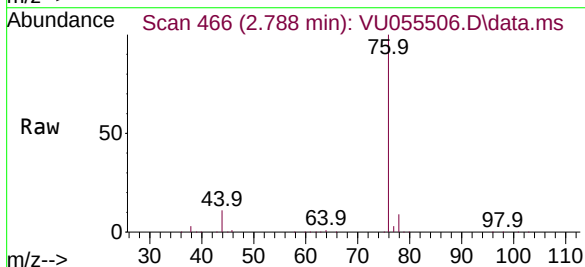
Acq: 26 Sep 2023 09:45

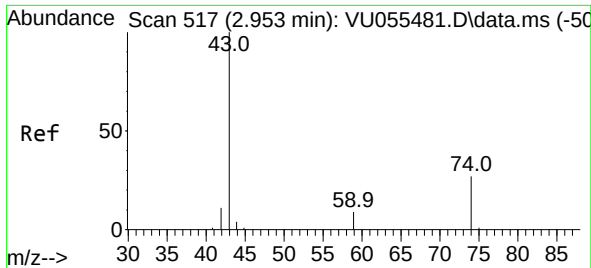
Tgt Ion: 76 Resp: 330939

Ion Ratio Lower Upper

76 100

78 8.8 7.7 11.5

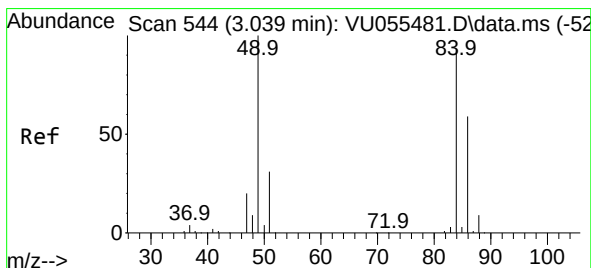
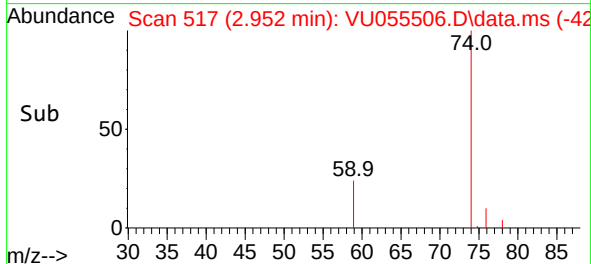
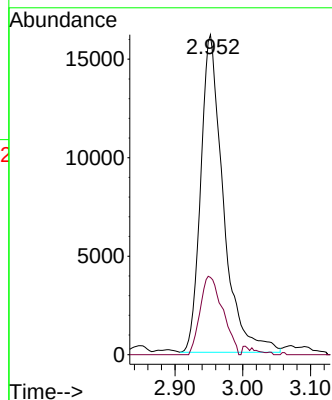
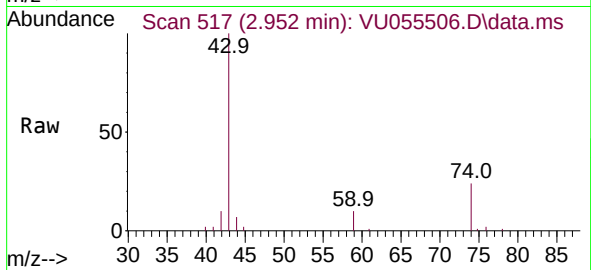




#15
Methyl Acetate
Concen: 5.181 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

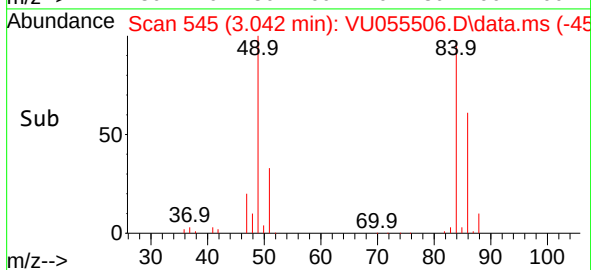
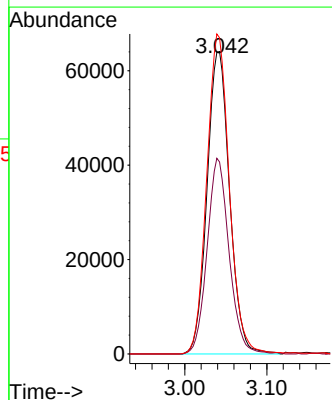
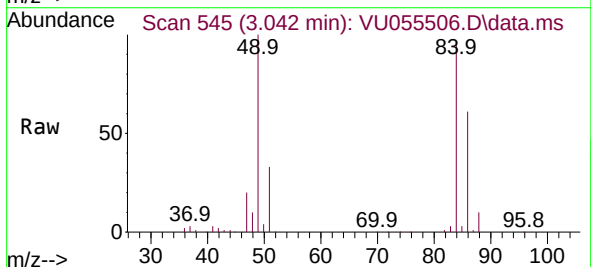
Instrument :
MSVOA_U
ClientSampleId :

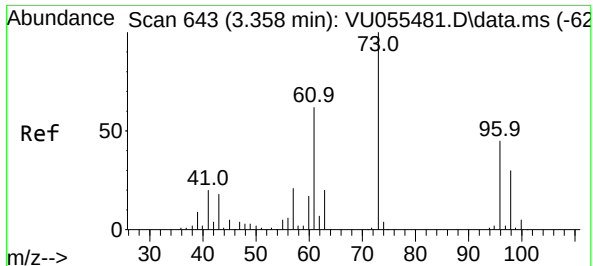
Tgt Ion: 43 Resp: 37273
Ion Ratio Lower Upper
43 100
74 24.6 22.3 33.5



#16
Methylene chloride
Concen: 4.827 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

Tgt Ion: 84 Resp: 122600
Ion Ratio Lower Upper
84 100
86 63.5 44.9 83.3
49 104.6 78.8 146.3

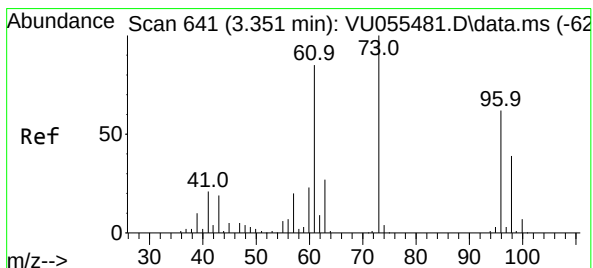
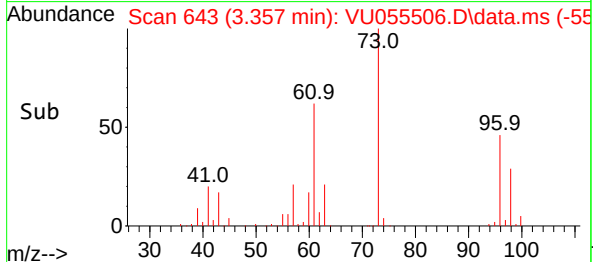
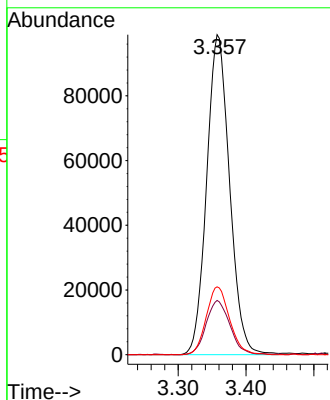
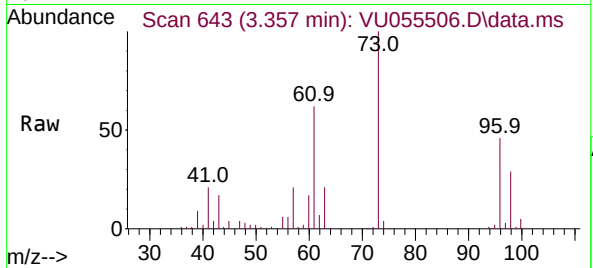




#17
Methyl tert-butyl Ether
Concen: 5.047 ug/L
RT: 3.357 min Scan# 64
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

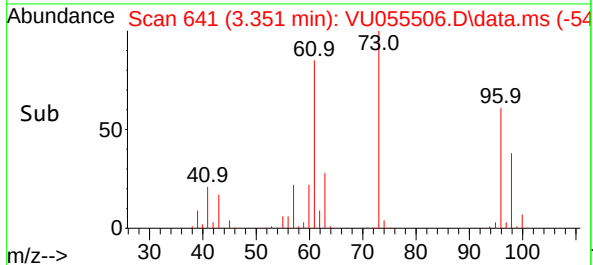
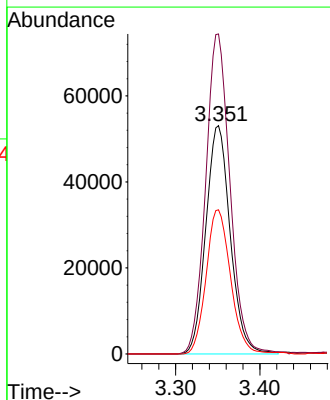
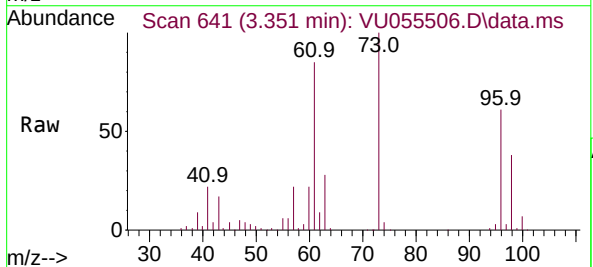
Instrument :
MSVOA_U
ClientSampleId :

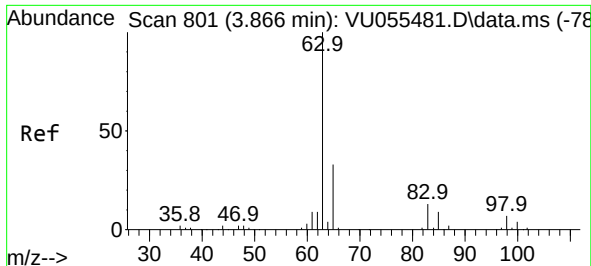
Tgt Ion: 73 Resp: 232127
Ion Ratio Lower Upper
73 100
43 17.5 14.9 22.3
57 21.6 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.008 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

Tgt Ion: 96 Resp: 107009
Ion Ratio Lower Upper
96 100
61 140.2 94.6 175.6
98 63.1 45.7 84.9





#19

1,1-Dichloroethane

Concen: 5.134 ug/L

RT: 3.862 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU055506.D

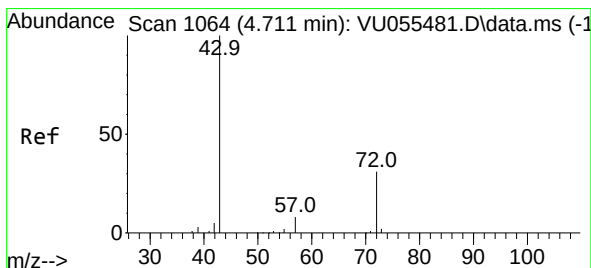
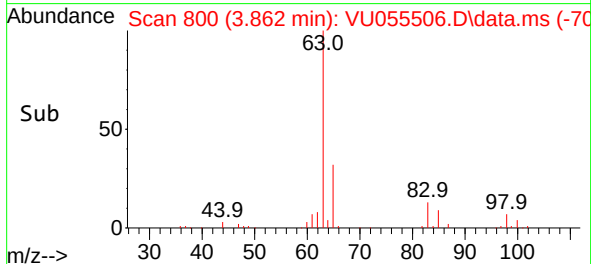
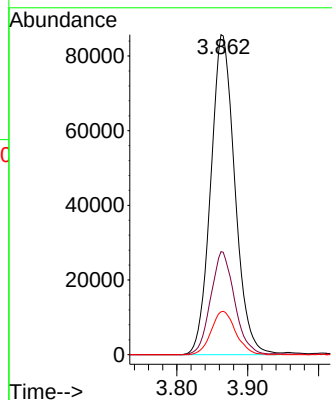
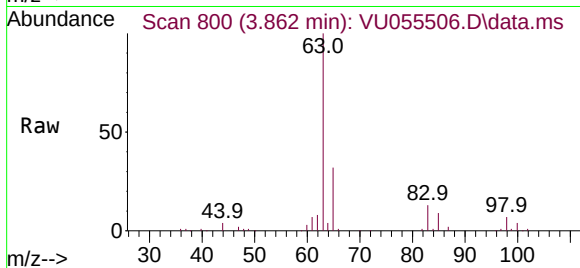
Acq: 26 Sep 2023 09:45

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	202896
Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.0	41.0
83	13.4	10.1	18.9



#21

2-Butanone

Concen: 50.361 ug/L

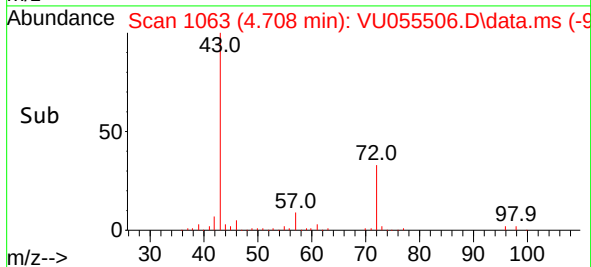
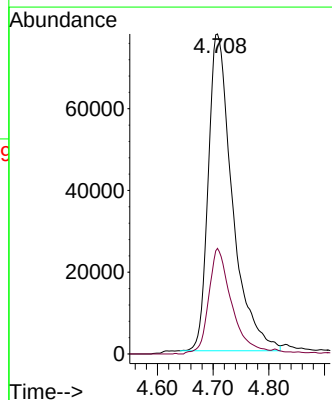
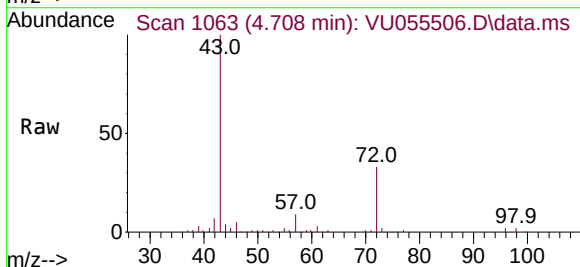
RT: 4.708 min Scan# 1063

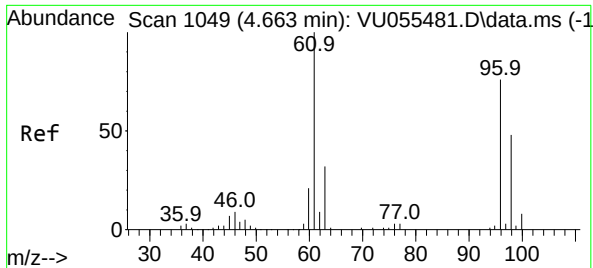
Delta R.T. -0.003 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

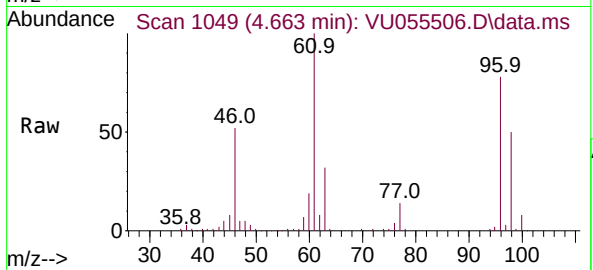
Tgt Ion:	43	Resp:	233066
Ion	Ratio	Lower	Upper
43	100		
72	31.9	15.1	45.3





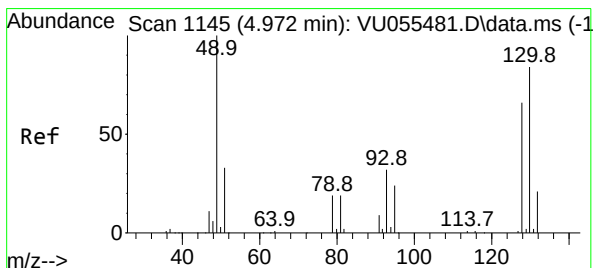
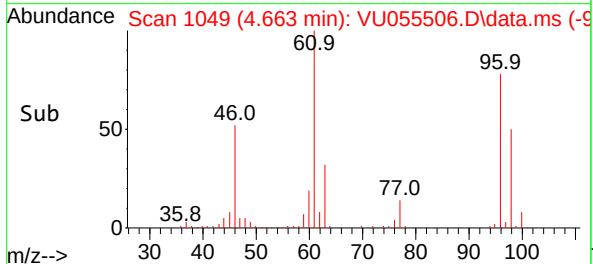
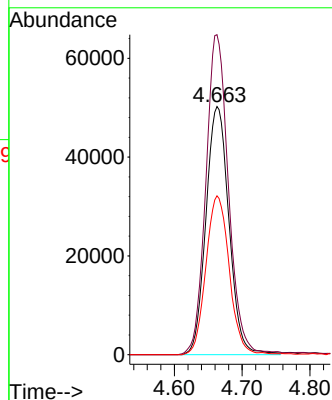
#22
 cis-1,2-Dichloroethene
 Concen: 4.785 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.003 min
 Lab File: VU055506.D
 Acq: 26 Sep 2023 09:45

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 118541

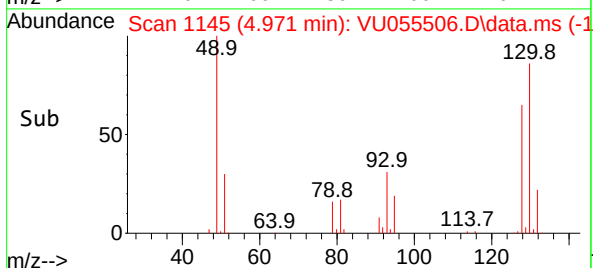
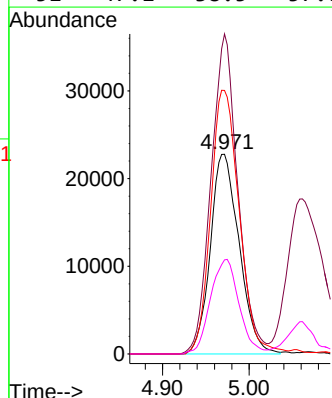
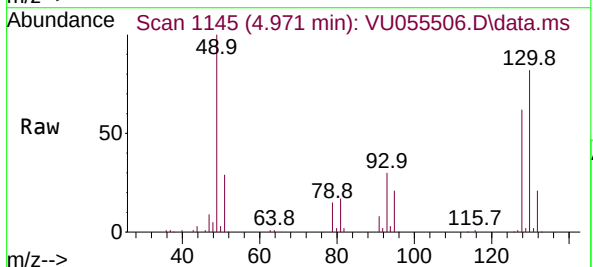
Ion	Ratio	Lower	Upper
96	100		
61	129.0	87.8	163.2
98	64.1	44.4	82.4

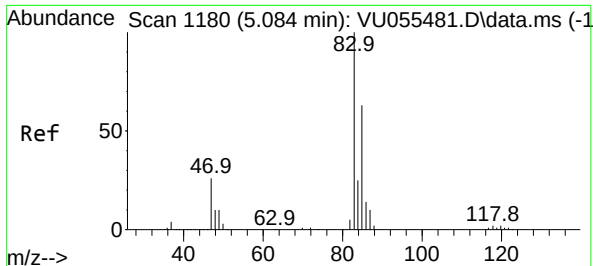


#23
 Bromochloromethane
 Concen: 5.026 ug/L
 RT: 4.971 min Scan# 1145
 Delta R.T. -0.000 min
 Lab File: VU055506.D
 Acq: 26 Sep 2023 09:45

Tgt Ion: 128 Resp: 52635

Ion	Ratio	Lower	Upper
128	100		
49	160.2	102.8	191.0
130	132.0	89.9	166.9
51	47.1	38.5	57.7





#25

Chloroform

Concen: 5.129 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

Instrument :

MSVOA_U

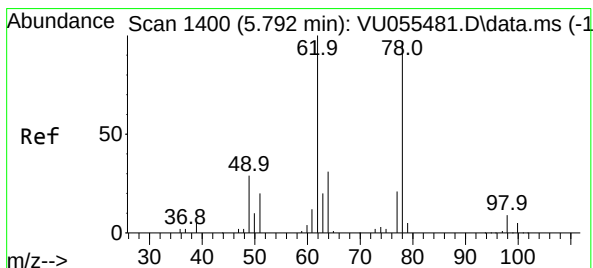
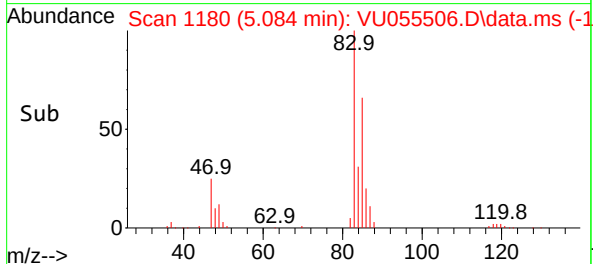
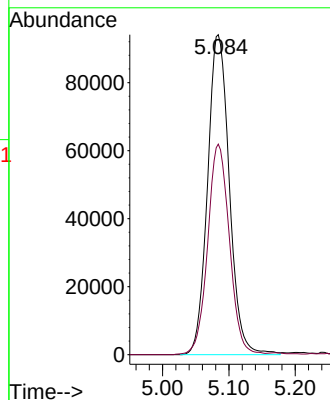
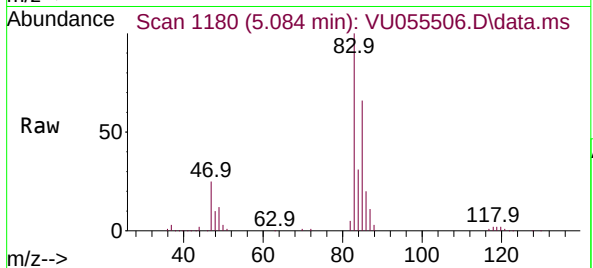
ClientSampleId :

Tgt Ion: 83 Resp: 214635

Ion Ratio Lower Upper

83 100

85 65.8 44.9 83.5



#27

1,2-Dichloroethane

Concen: 4.767 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU055506.D

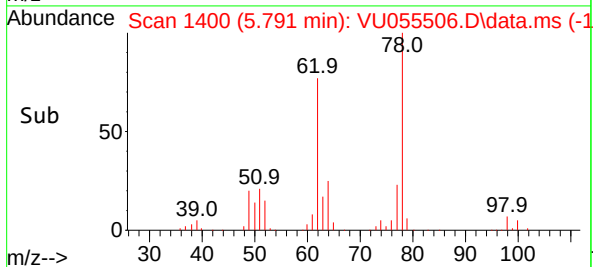
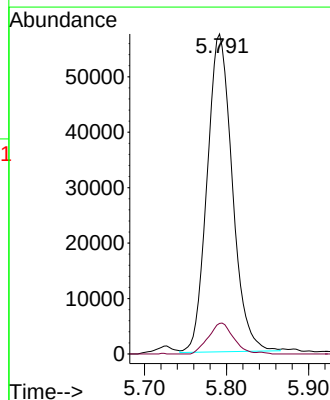
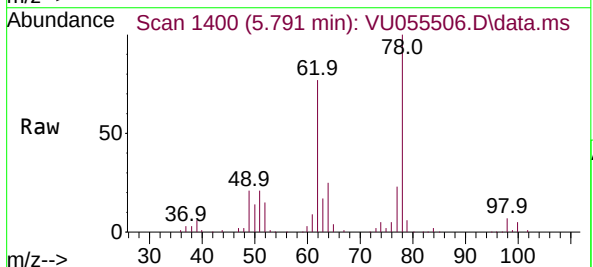
Acq: 26 Sep 2023 09:45

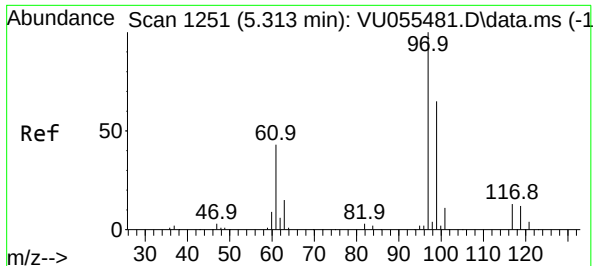
Tgt Ion: 62 Resp: 122321

Ion Ratio Lower Upper

62 100

98 9.6 7.0 10.4

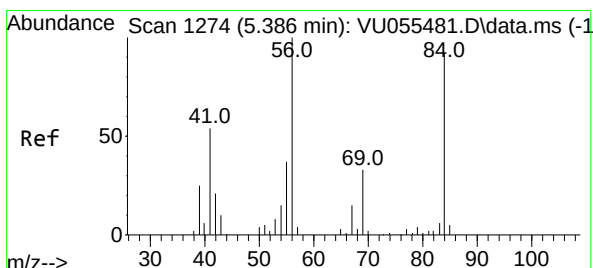
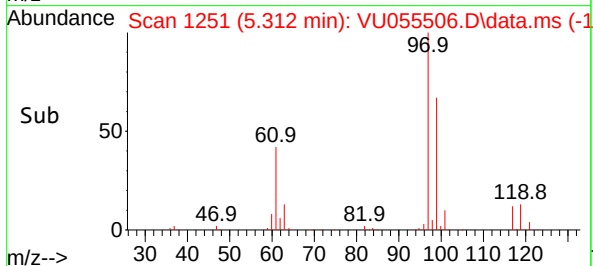
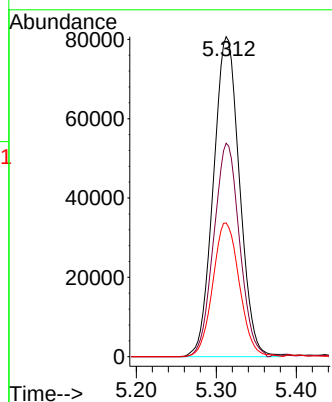
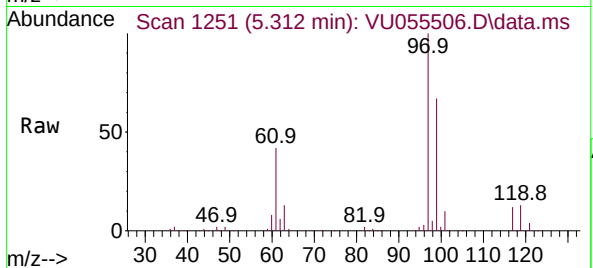




#29
1,1,1-Trichloroethane
Concen: 5.194 ug/L
RT: 5.312 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

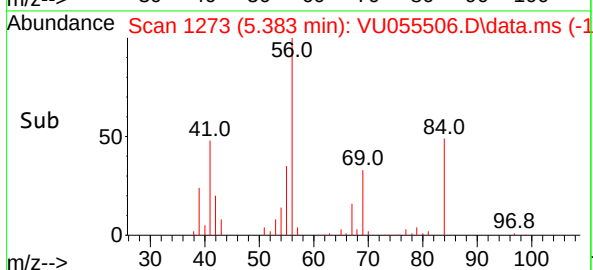
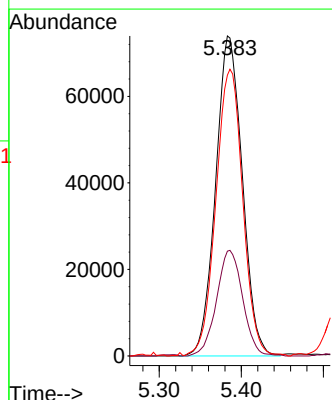
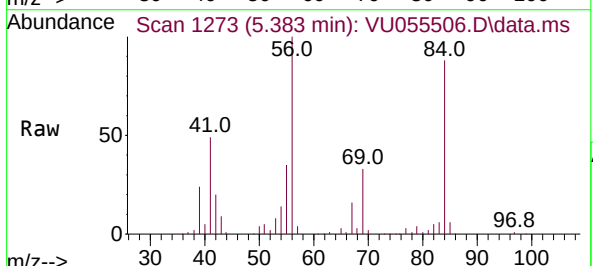
Instrument :
MSVOA_U
ClientSampleId :

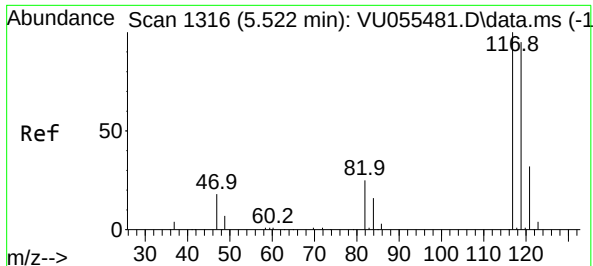
Tgt Ion: 97 Resp: 182982
Ion Ratio Lower Upper
97 100
99 65.9 50.7 76.1
61 42.5 34.6 51.8



#30
Cyclohexane
Concen: 5.189 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

Tgt Ion: 56 Resp: 167351
Ion Ratio Lower Upper
56 100
69 32.3 26.5 39.7
84 90.2 72.6 108.8

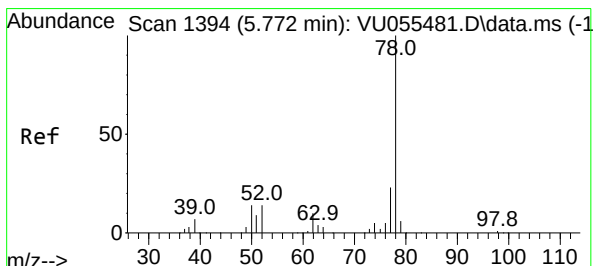
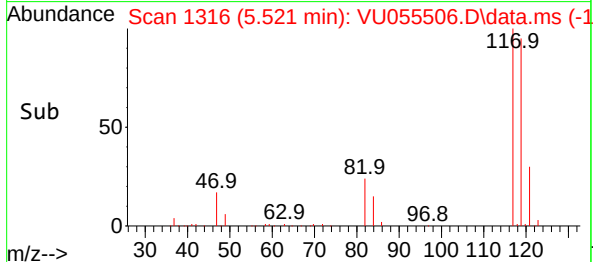
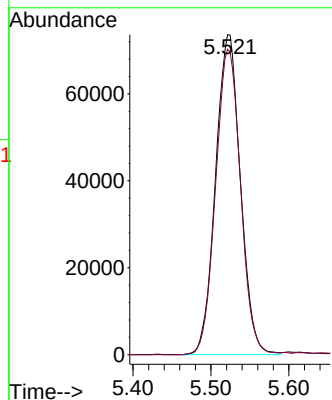
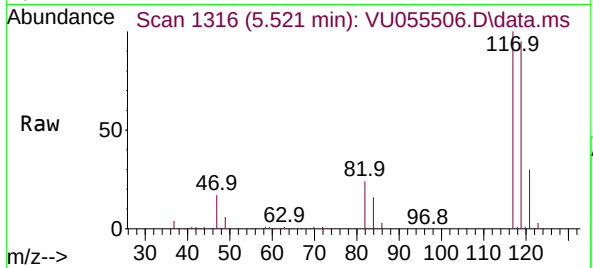




#31
Carbon tetrachloride
Concen: 5.408 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

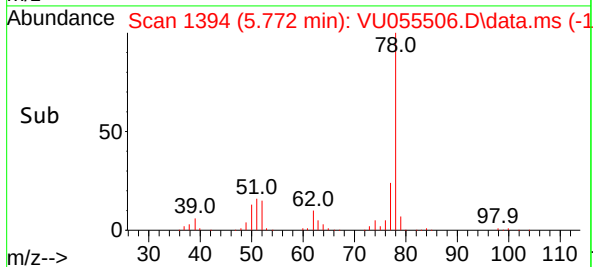
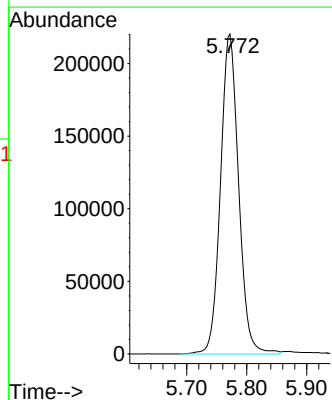
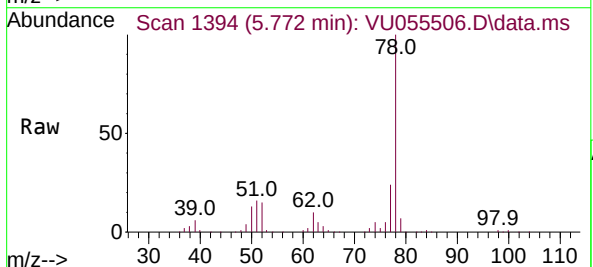
Instrument :
MSVOA_U
ClientSampleId :

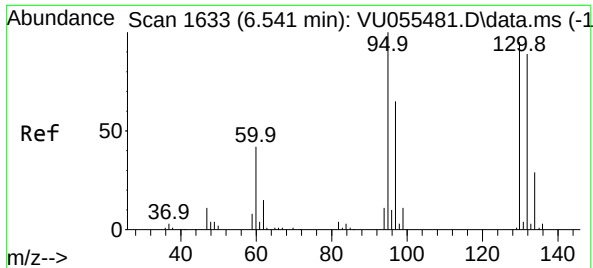
Tgt Ion:117 Resp: 163320
Ion Ratio Lower Upper
117 100
119 95.7 75.2 112.8



#33
Benzene
Concen: 5.184 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

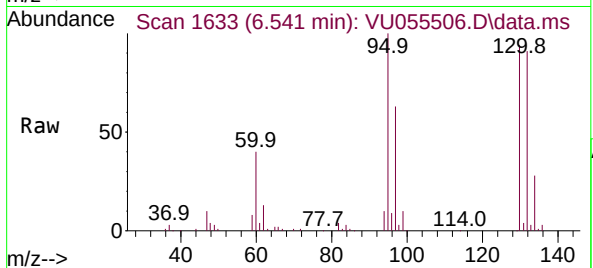
Tgt Ion: 78 Resp: 461100



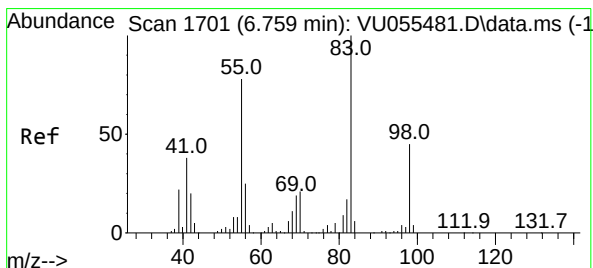
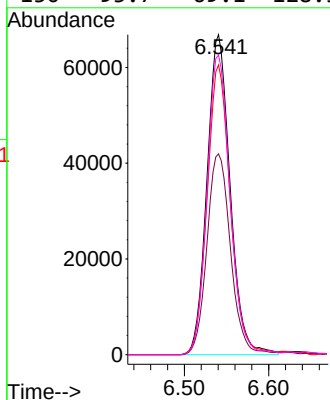
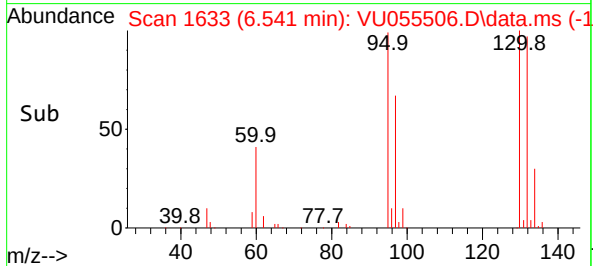


#34
Trichloroethene
Concen: 5.075 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

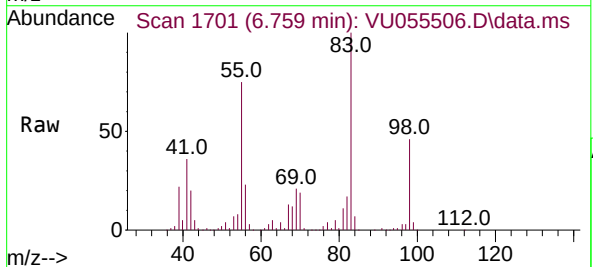
Instrument :
MSVOA_U
ClientSampleId :



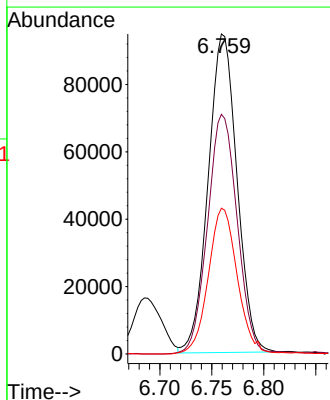
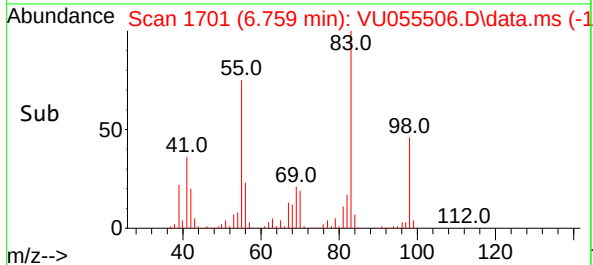
Tgt Ion: 95 Resp: 127692
Ion Ratio Lower Upper
95 100
97 62.7 45.4 84.2
132 90.6 65.2 121.2
130 93.7 69.1 128.3

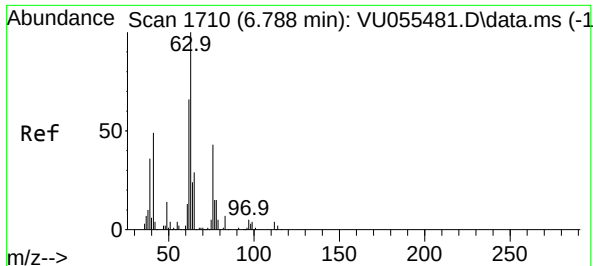


#35
Methylcyclohexane
Concen: 5.035 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45



Tgt Ion: 83 Resp: 182488
Ion Ratio Lower Upper
83 100
55 78.0 59.1 88.7
98 46.1 36.3 54.5





#37

1,2-Dichloropropane

Concen: 5.046 ug/L

RT: 6.788 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

Instrument :

MSVOA_U

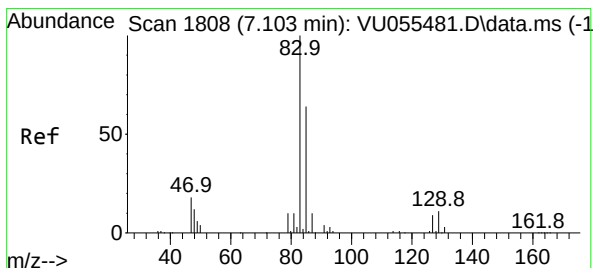
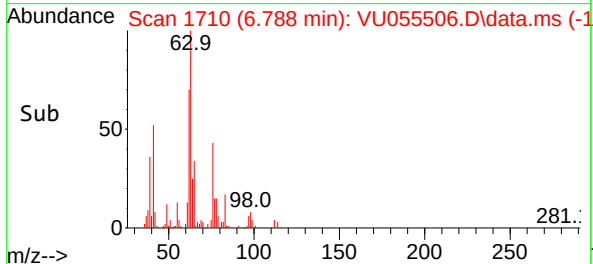
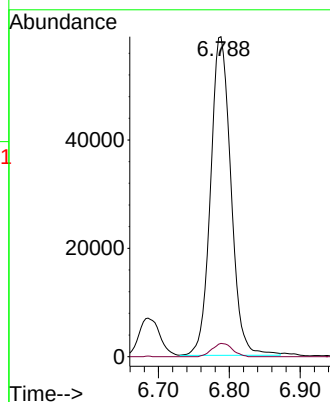
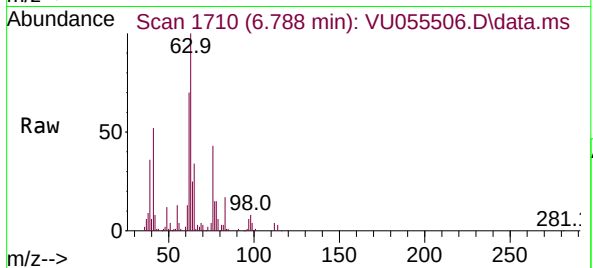
ClientSampleId :

Tgt Ion: 63 Resp: 117378

Ion Ratio Lower Upper

63 100

112 4.2 3.0 4.6



#38

Bromodichloromethane

Concen: 5.347 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

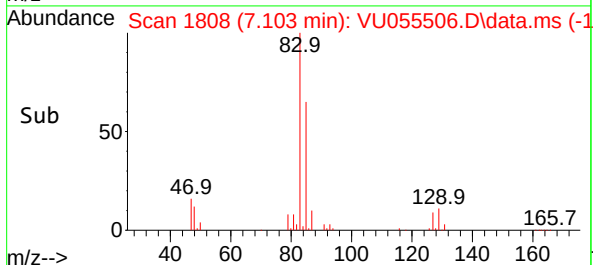
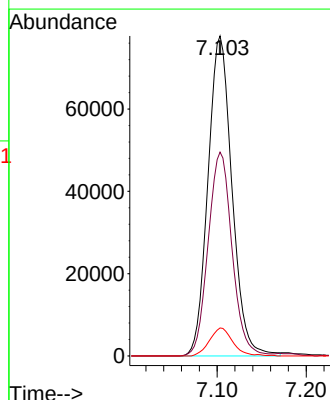
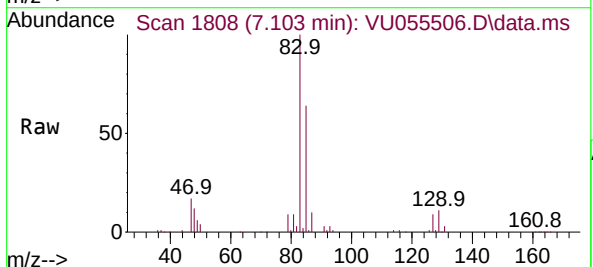
Tgt Ion: 83 Resp: 145751

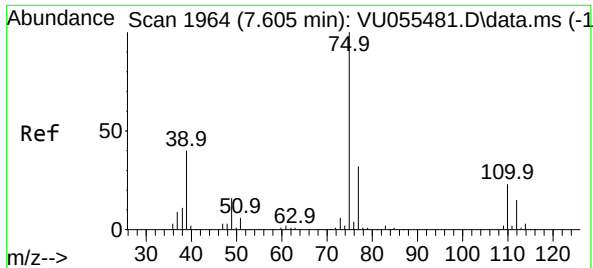
Ion Ratio Lower Upper

83 100

85 63.7 46.8 86.8

127 8.8 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.360 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

Instrument :

MSVOA_U

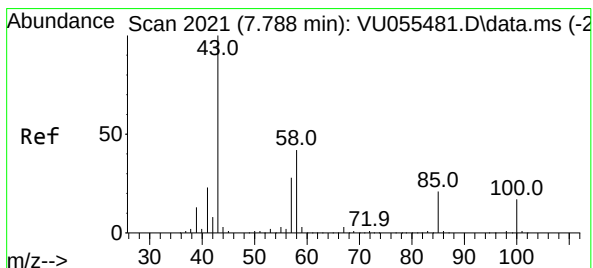
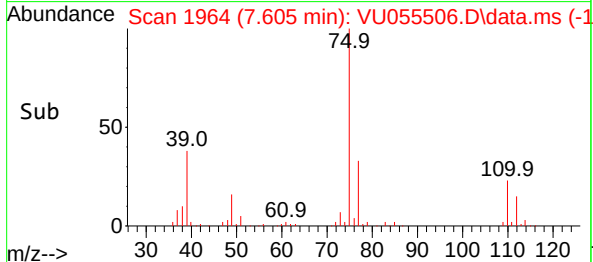
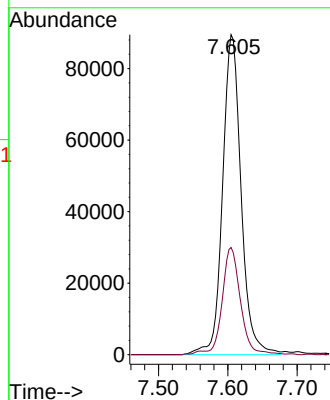
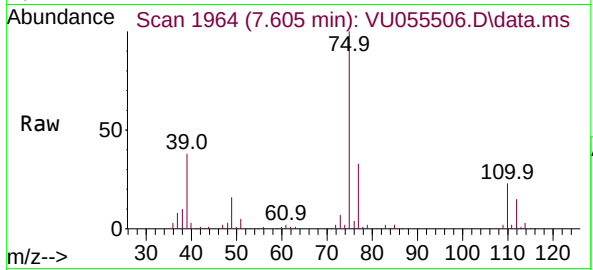
ClientSampleId :

Tgt Ion: 75 Resp: 166419

Ion Ratio Lower Upper

75 100

77 33.5 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 51.449 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

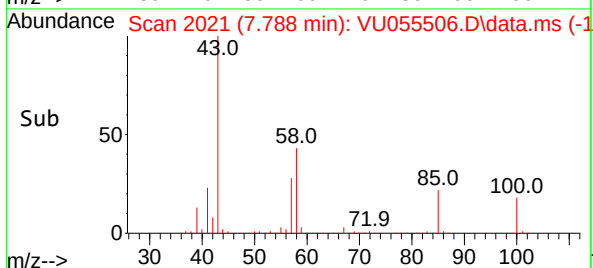
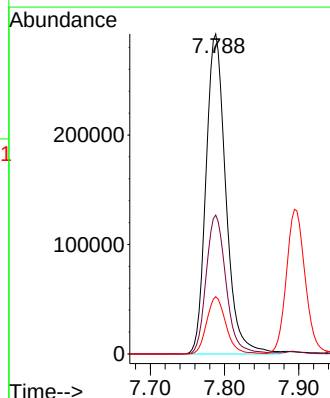
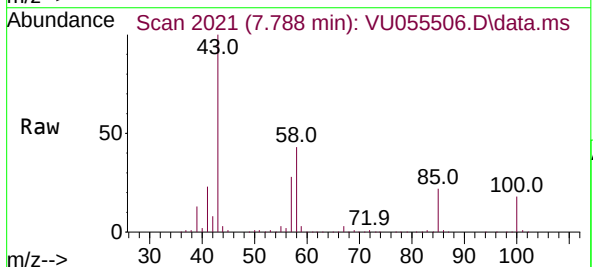
Tgt Ion: 43 Resp: 542905

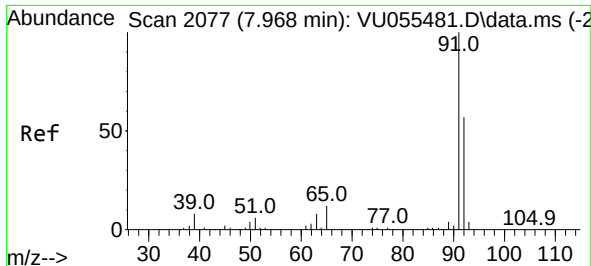
Ion Ratio Lower Upper

43 100

58 43.5 34.2 51.4

100 17.3 13.4 20.0





#42

Toluene

Concen: 5.219 ug/L

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

Instrument :

MSVOA_U

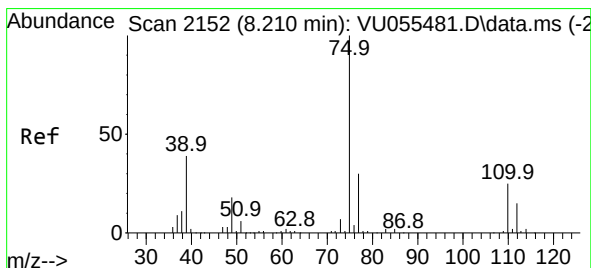
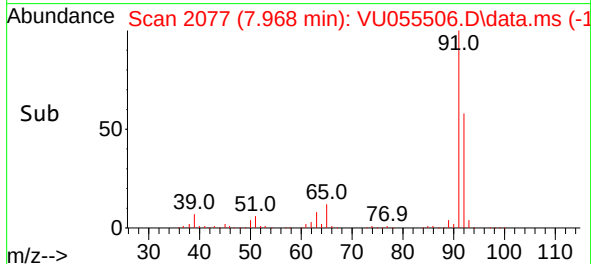
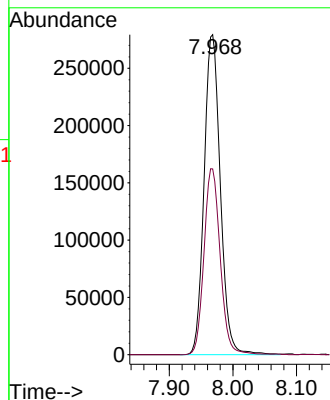
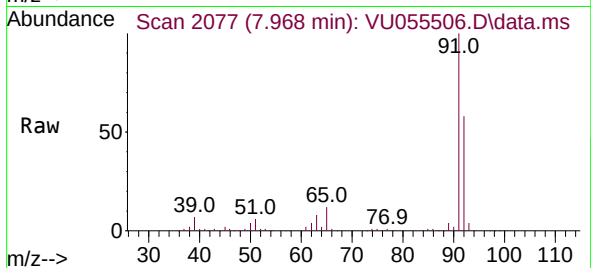
ClientSampleId :

Tgt Ion: 91 Resp: 495160

Ion Ratio Lower Upper

91 100

92 58.1 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 5.369 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. -0.000 min

Lab File: VU055506.D

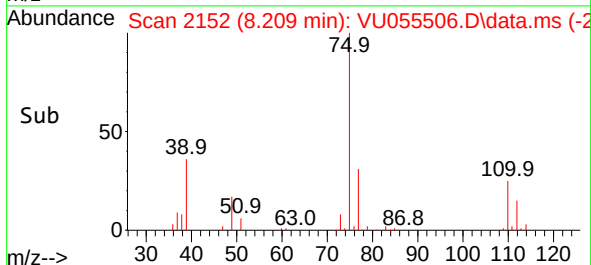
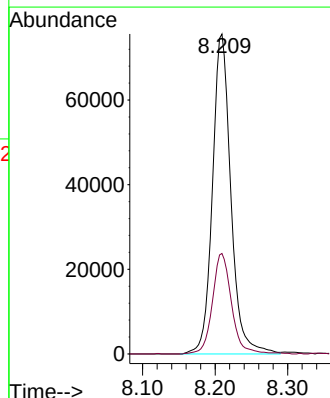
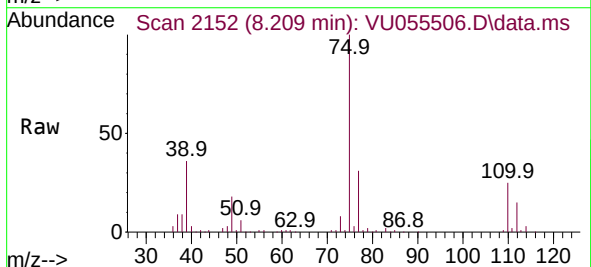
Acq: 26 Sep 2023 09:45

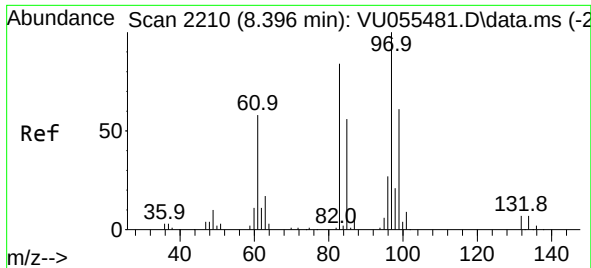
Tgt Ion: 75 Resp: 133375

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.4

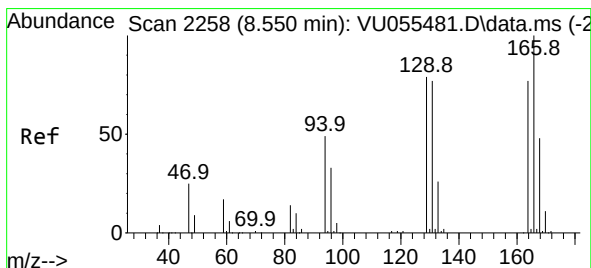
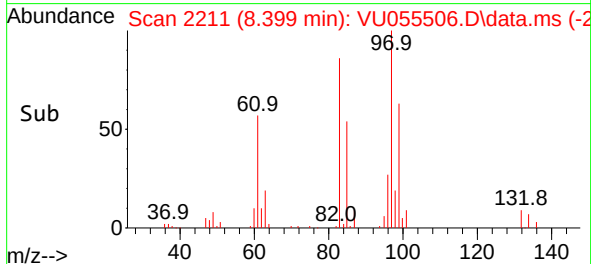
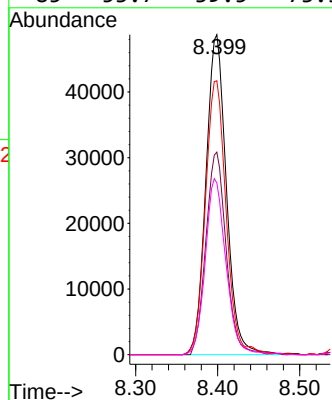
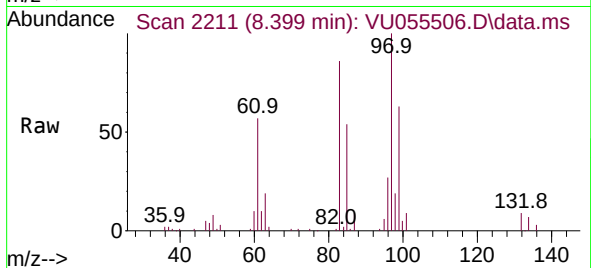




#45
1,1,2-Trichloroethane
Concen: 5.177 ug/L
RT: 8.399 min Scan# 211
Delta R.T. 0.003 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

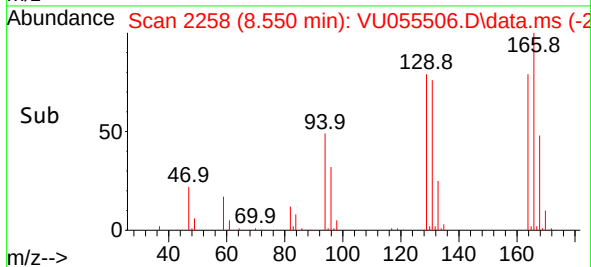
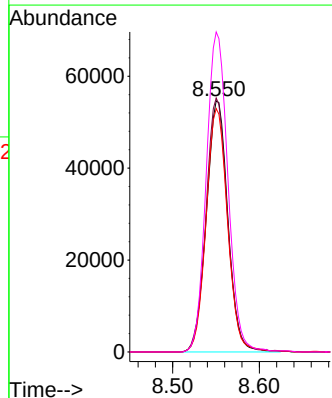
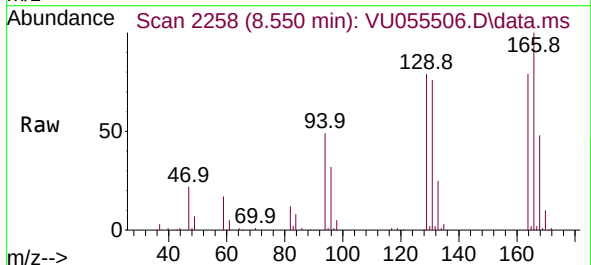
Instrument :
MSVOA_U
ClientSampleId :

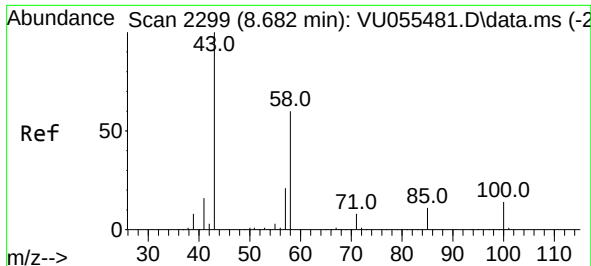
Tgt Ion:	97	Resp:	84444
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.1	81.9
83	85.6	61.5	114.1
85	53.7	39.5	73.3



#47
Tetrachloroethene
Concen: 5.232 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

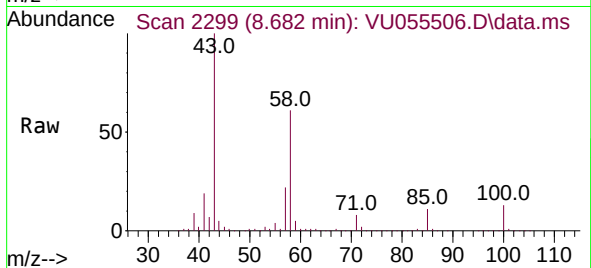
Tgt Ion:	164	Resp:	94425
Ion	Ratio	Lower	Upper
164	100		
129	101.1	67.4	125.2
131	96.9	66.4	123.2
166	127.4	88.8	165.0



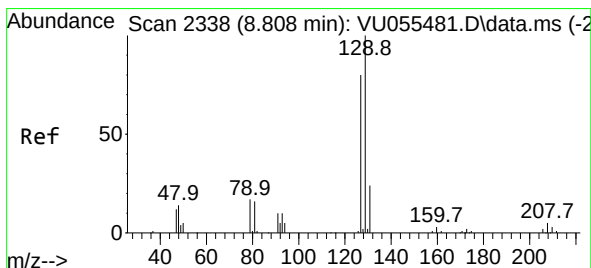
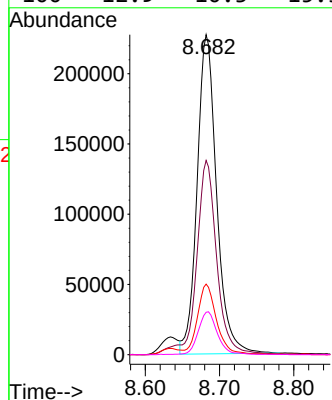
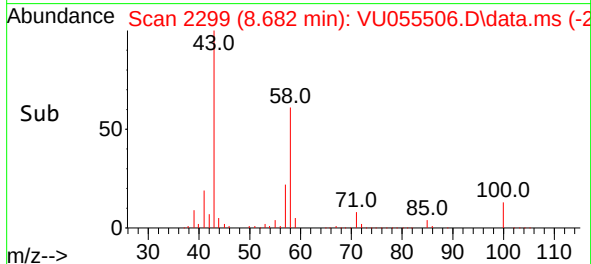


#48
2-Hexanone
Concen: 50.772 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

Instrument :
MSVOA_U
ClientSampleId :

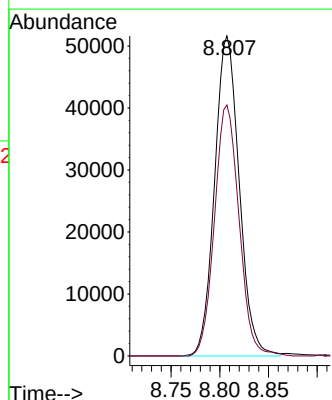
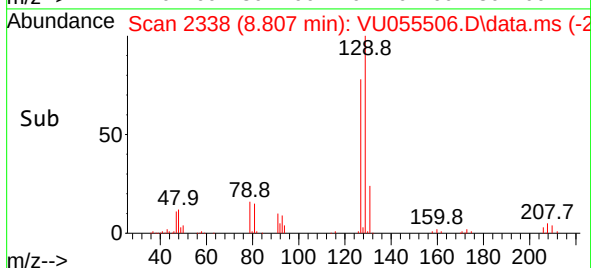
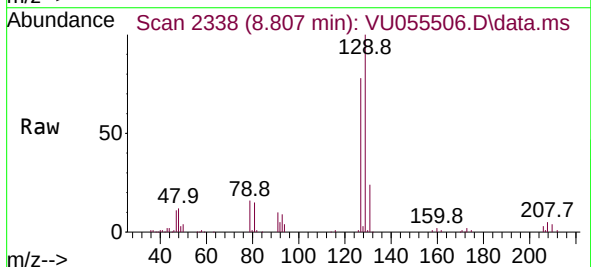


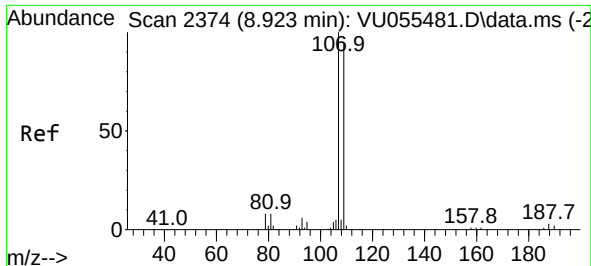
Tgt Ion:	43	58	57	100
Resp:	415221	63.3	21.4	12.9
Ratio	100	63.3	21.4	12.9
Lower		48.5	17.0	10.3
Upper		72.7	25.4	15.5



#49
Dibromochloromethane
Concen: 5.308 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

Tgt Ion:	129	127
Resp:	90761	78.4
Ratio	100	78.4
Lower		56.8
Upper		105.6





#50

1,2-Dibromoethane

Concen: 5.240 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

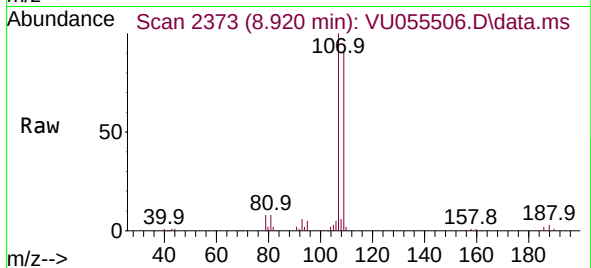
Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

Instrument :

MSVOA_U

ClientSampleId :



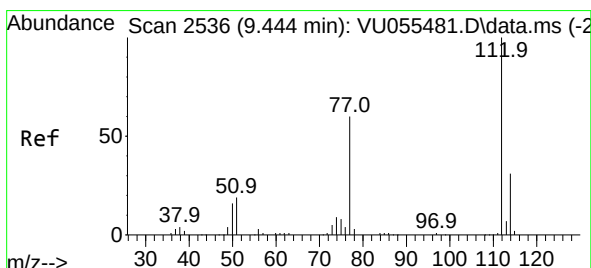
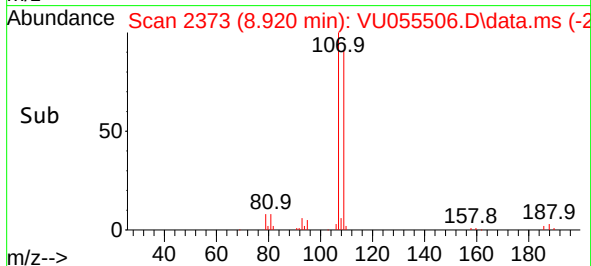
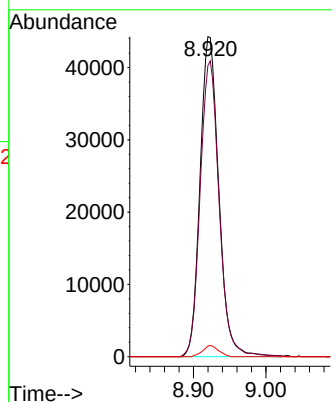
Tgt Ion:107 Resp: 79319

Ion Ratio Lower Upper

107 100

109 91.0 66.1 122.8

188 3.3 3.2 4.8



#51

Chlorobenzene

Concen: 5.051 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

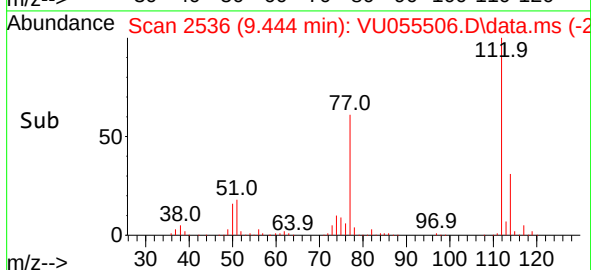
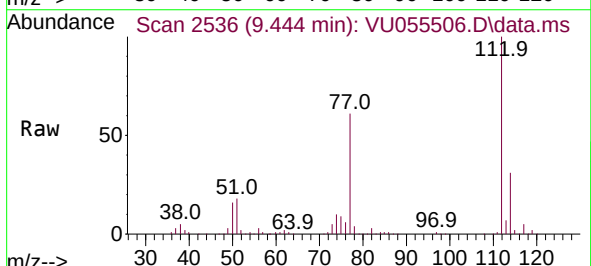
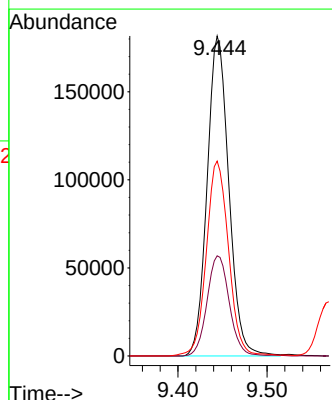
Tgt Ion:112 Resp: 306964

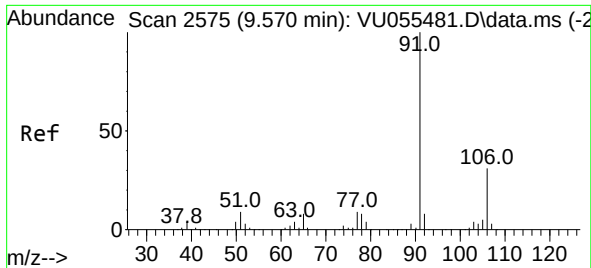
Ion Ratio Lower Upper

112 100

114 31.3 22.0 40.8

77 60.9 46.9 70.3

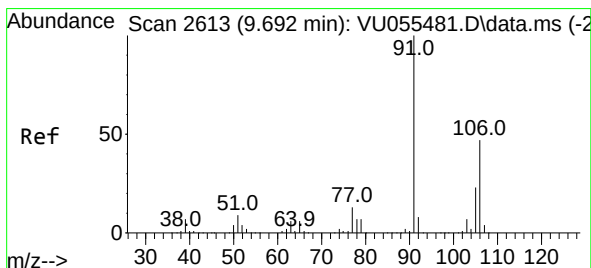
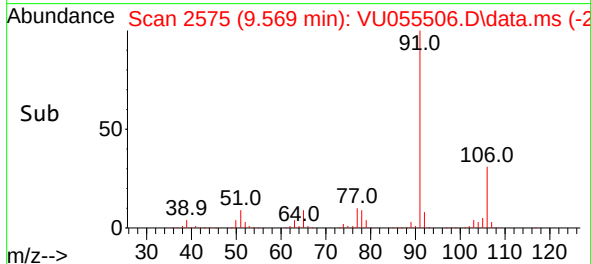
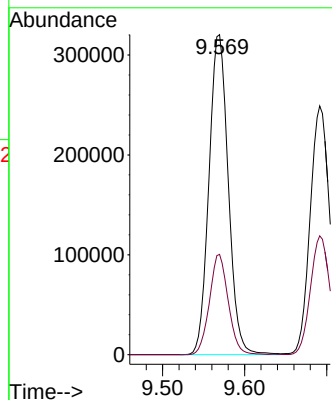
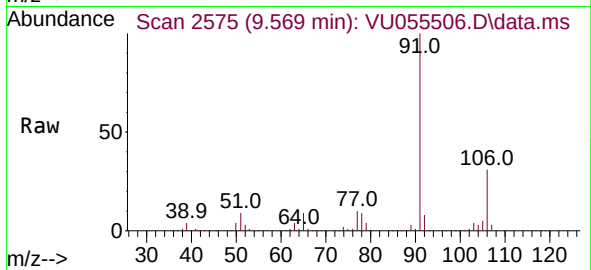




#52
Ethylbenzene
Concen: 5.157 ug/L
RT: 9.569 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

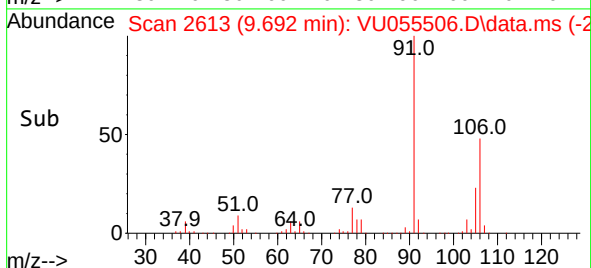
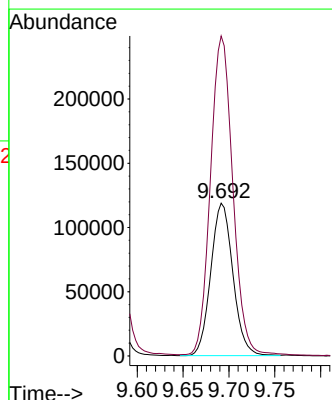
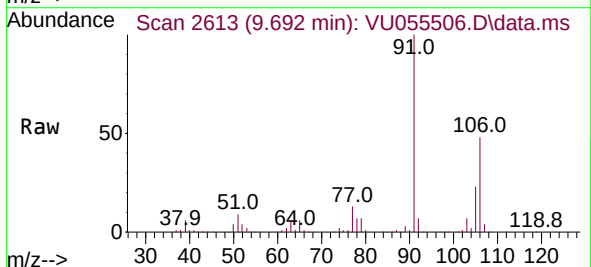
Instrument :
MSVOA_U
ClientSampleId :

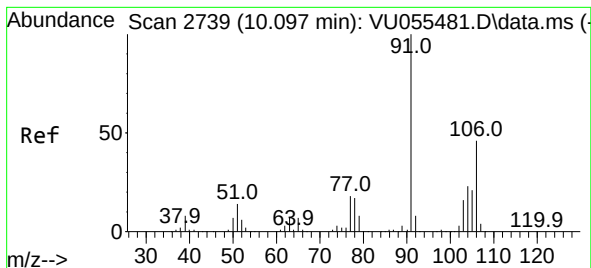
Tgt Ion: 91 Resp: 524543
Ion Ratio Lower Upper
91 100
106 31.3 22.4 41.6



#53
m,p-Xylene
Concen: 5.231 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

Tgt Ion: 106 Resp: 199399
Ion Ratio Lower Upper
106 100
91 209.3 144.8 269.0





#54

o-Xylene

Concen: 5.235 ug/L

RT: 10.100 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

Instrument :

MSVOA_U

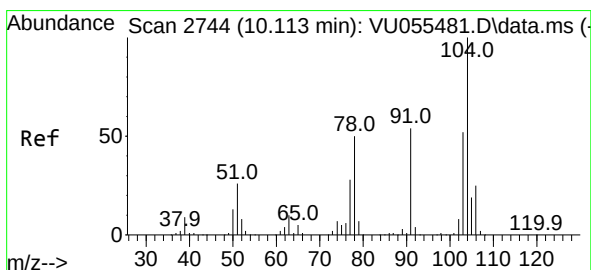
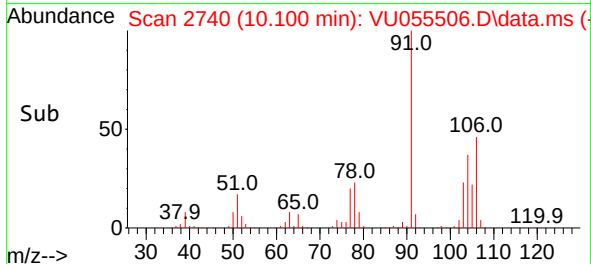
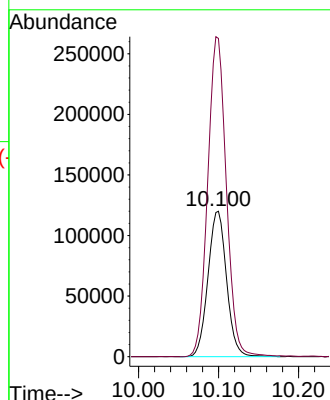
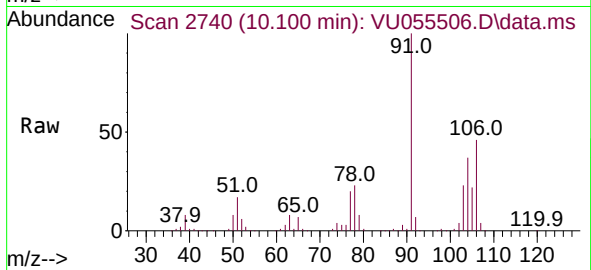
ClientSampleId :

Tgt Ion:106 Resp: 193994

Ion Ratio Lower Upper

106 100

91 218.8 157.6 292.8



#55

Styrene

Concen: 5.391 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. -0.000 min

Lab File: VU055506.D

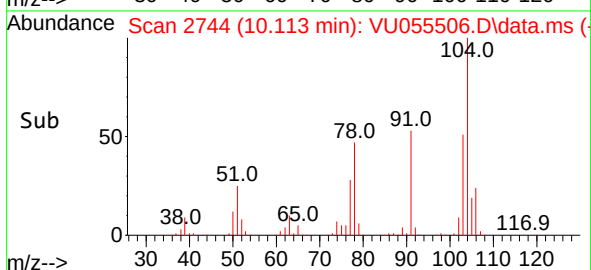
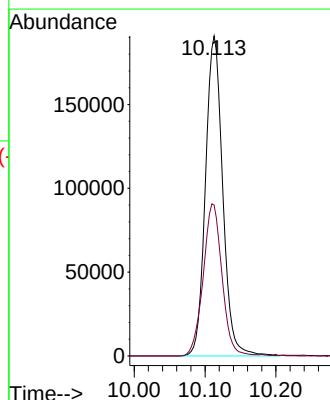
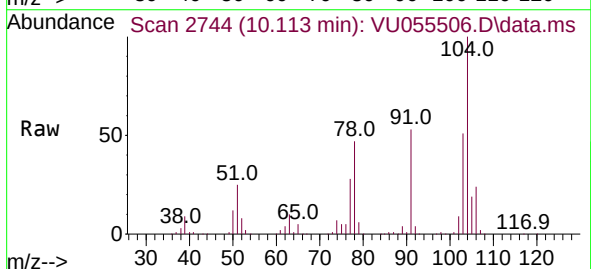
Acq: 26 Sep 2023 09:45

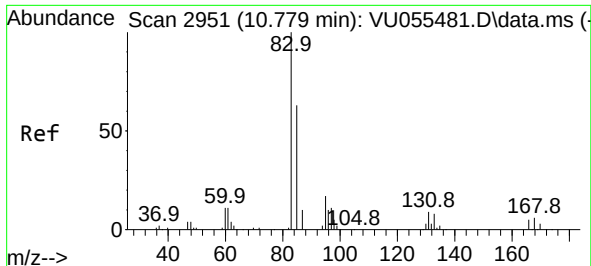
Tgt Ion:104 Resp: 323069

Ion Ratio Lower Upper

104 100

78 47.2 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.251 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU055506.D

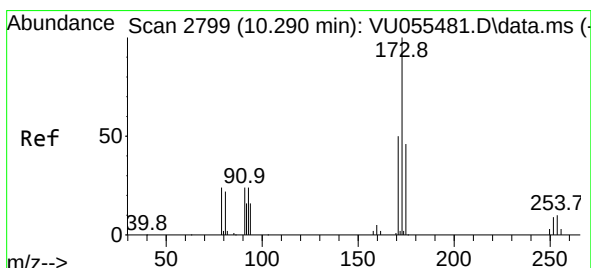
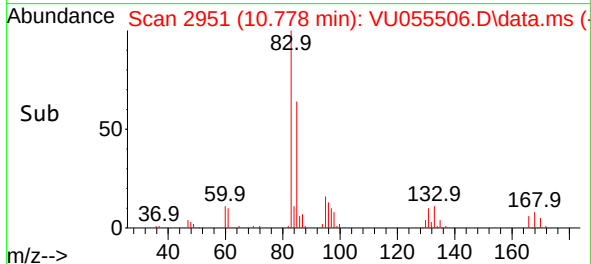
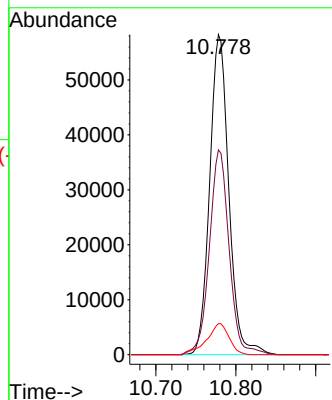
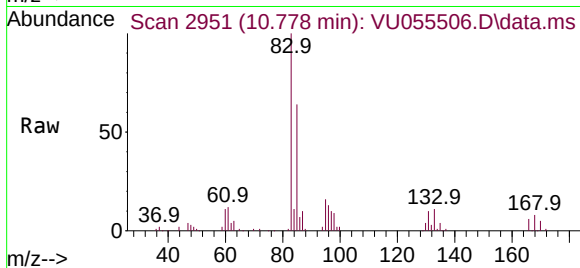
Acq: 26 Sep 2023 09:45

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	96695
Ion Ratio	Lower	Upper	
83	100		
85	64.0	44.4	82.5
131	9.7	7.4	11.2



#59

Bromoform

Concen: 5.787 ug/L

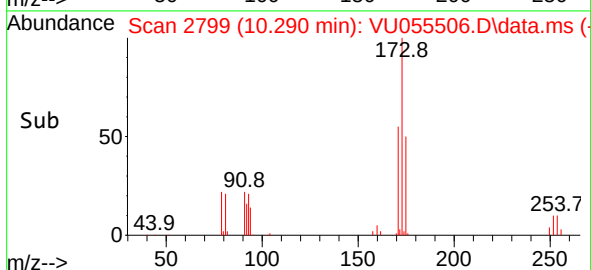
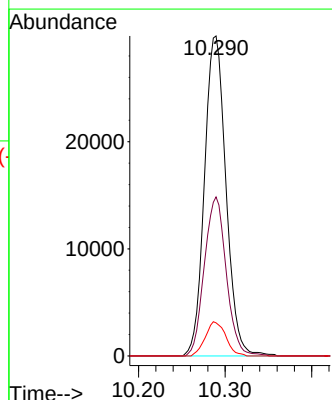
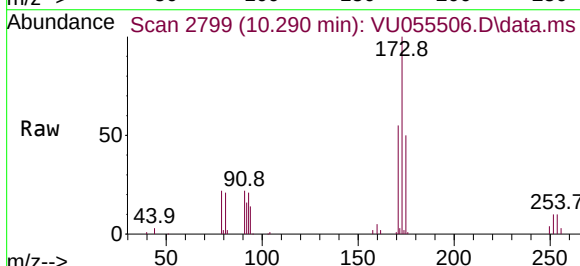
RT: 10.290 min Scan# 2799

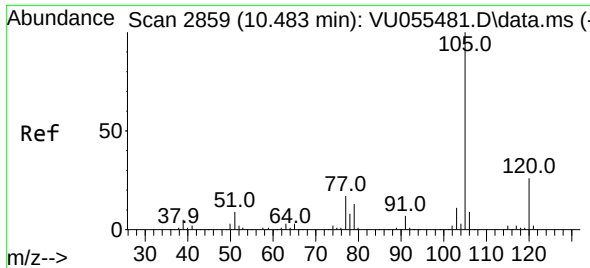
Delta R.T. -0.000 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

Tgt Ion:	173	Resp:	51580
Ion Ratio	Lower	Upper	
173	100		
175	50.5	39.4	59.2
254	10.2	7.3	10.9

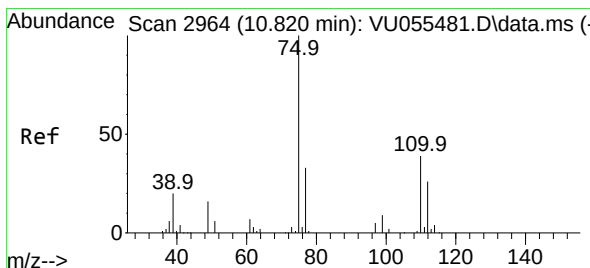
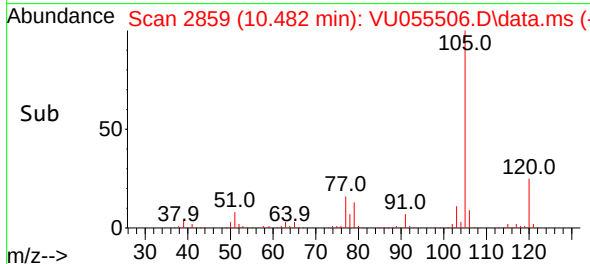
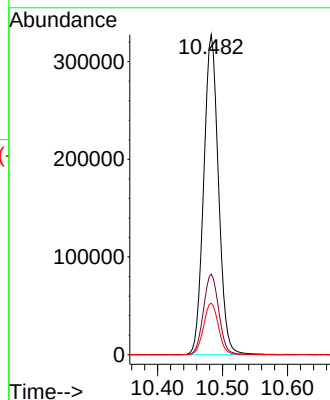
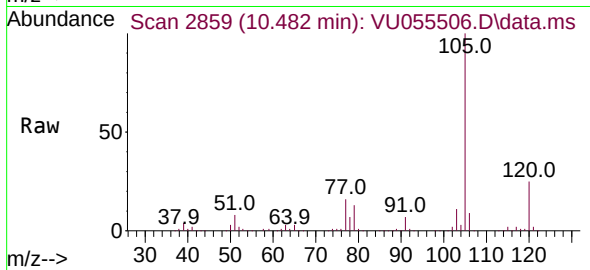




#60
Isopropylbenzene
Concen: 5.415 ug/L
RT: 10.482 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

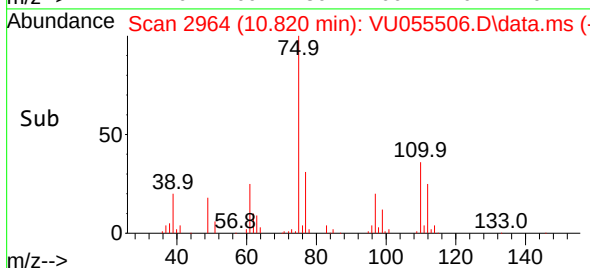
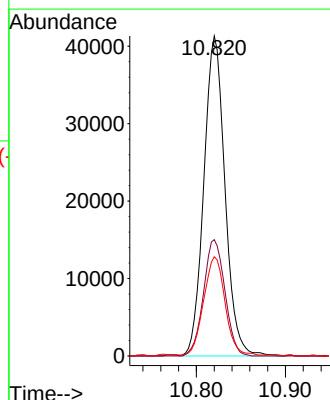
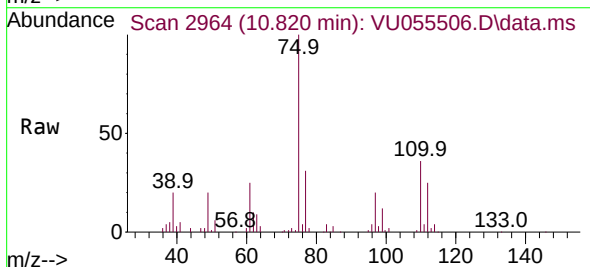
Instrument :
MSVOA_U
ClientSampleId :

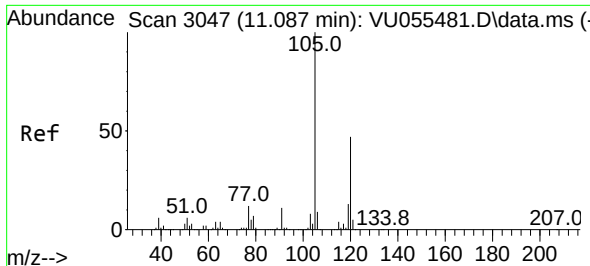
Tgt Ion:105 Resp: 518970
Ion Ratio Lower Upper
105 100
120 26.1 20.8 31.2
77 16.2 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 5.237 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

Tgt Ion: 75 Resp: 67982
Ion Ratio Lower Upper
75 100
110 36.7 30.6 45.8
77 30.8 26.7 40.1

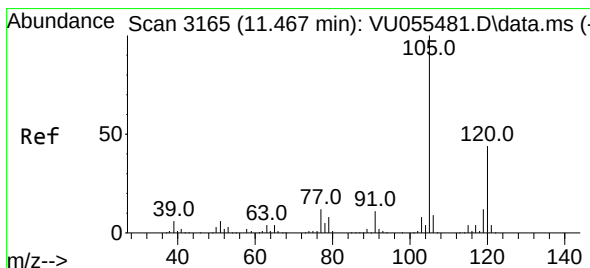
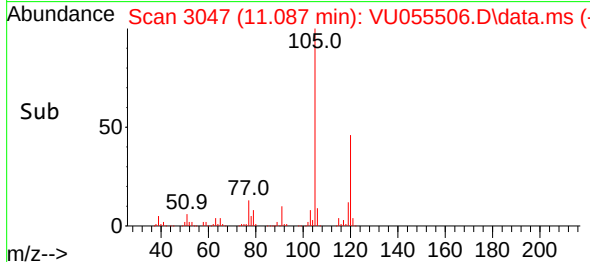
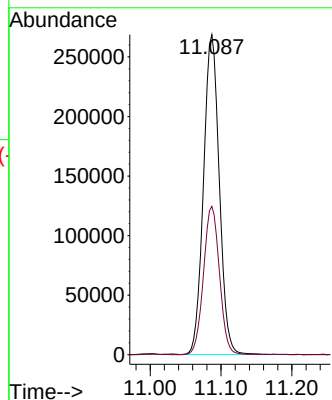
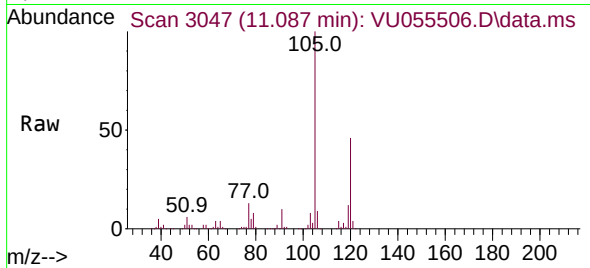




#62
 1,3,5-Trimethylbenzene
 Concen: 5.422 ug/L
 RT: 11.087 min Scan# 3047
 Delta R.T. -0.000 min
 Lab File: VU055506.D
 Acq: 26 Sep 2023 09:45

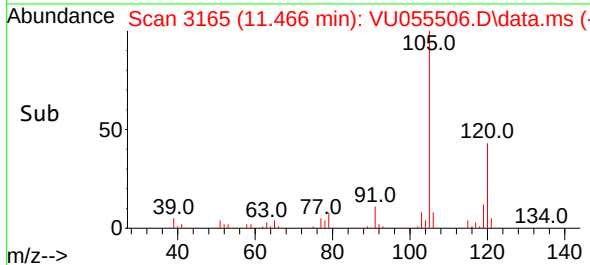
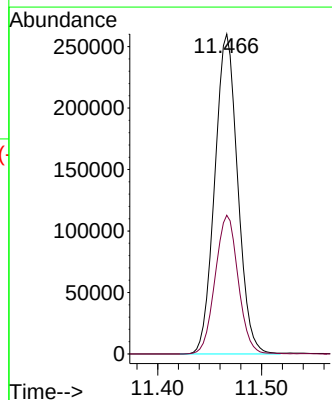
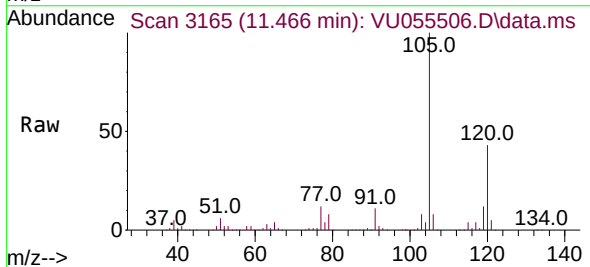
Instrument :
 MSVOA_U
 ClientSampleId :

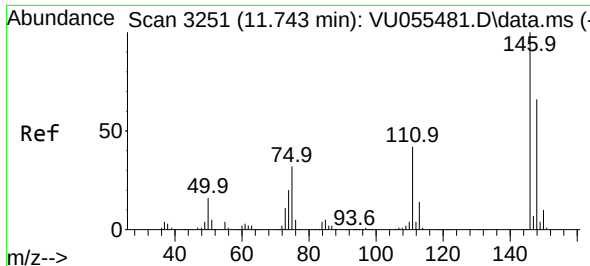
Tgt Ion:105 Resp: 415550
 Ion Ratio Lower Upper
 105 100
 120 47.0 38.1 57.1



#63
 1,2,4-Trimethylbenzene
 Concen: 5.313 ug/L
 RT: 11.466 min Scan# 3165
 Delta R.T. -0.000 min
 Lab File: VU055506.D
 Acq: 26 Sep 2023 09:45

Tgt Ion:105 Resp: 398539
 Ion Ratio Lower Upper
 105 100
 120 43.5 34.9 52.3

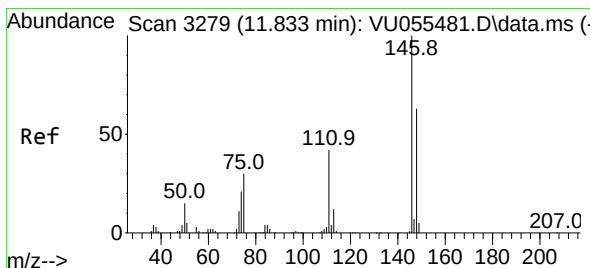
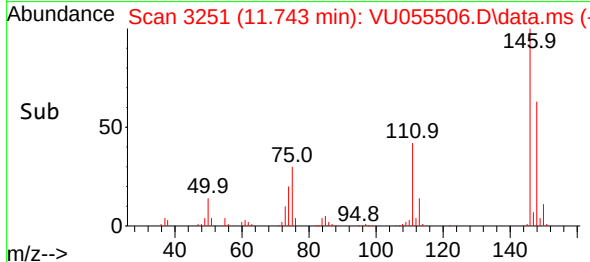
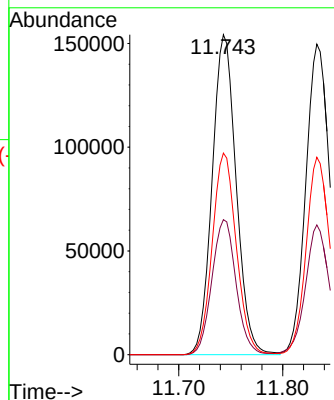
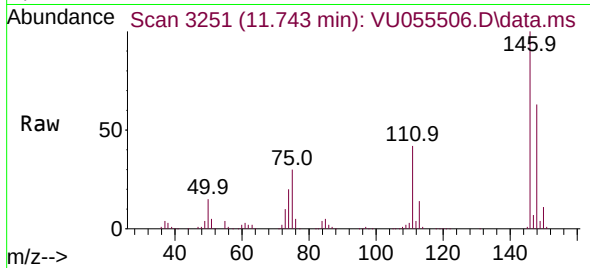




#64
1,3-Dichlorobenzene
Concen: 5.398 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

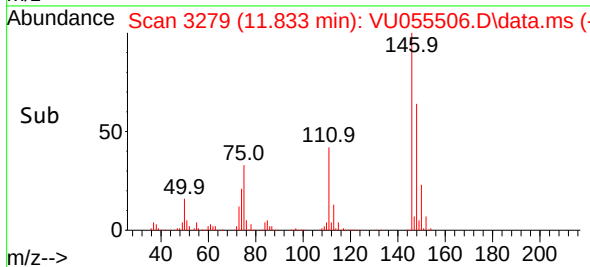
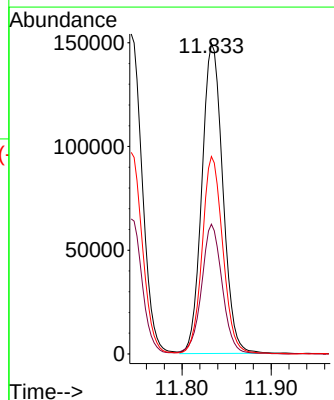
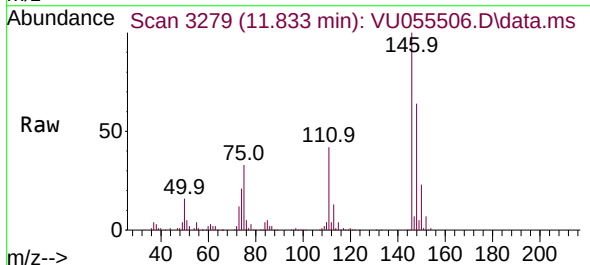
Instrument :
MSVOA_U
ClientSampleId :

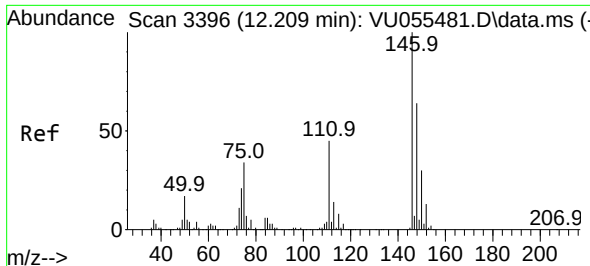
Tgt Ion:146 Resp: 247696
Ion Ratio Lower Upper
146 100
111 42.2 28.8 53.6
148 63.0 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 5.310 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055506.D
Acq: 26 Sep 2023 09:45

Tgt Ion:146 Resp: 243527
Ion Ratio Lower Upper
146 100
111 41.8 29.0 53.8
148 63.6 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 5.356 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. -0.000 min

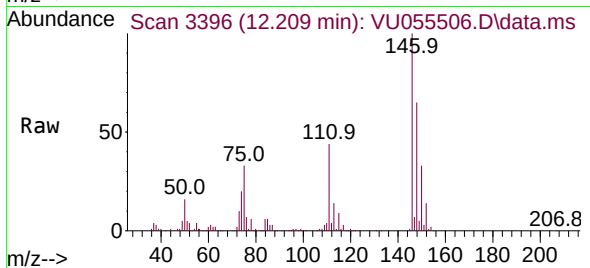
Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

Instrument :

MSVOA_U

ClientSampleId :



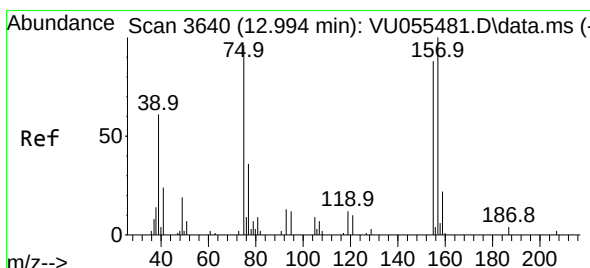
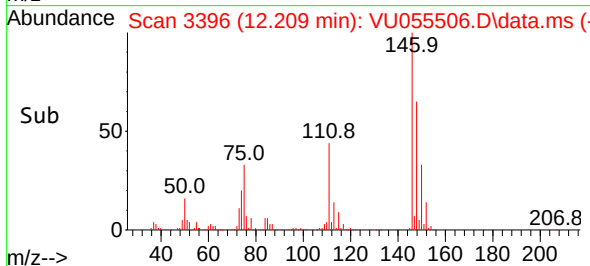
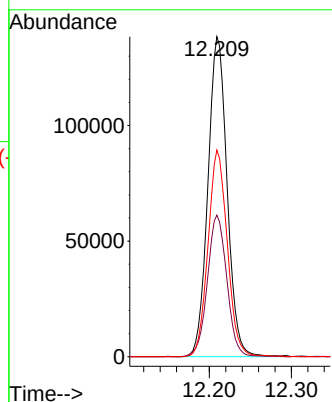
Tgt Ion:146 Resp: 225306

Ion Ratio Lower Upper

146 100

111 44.3 34.6 52.0

148 64.6 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 5.686 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

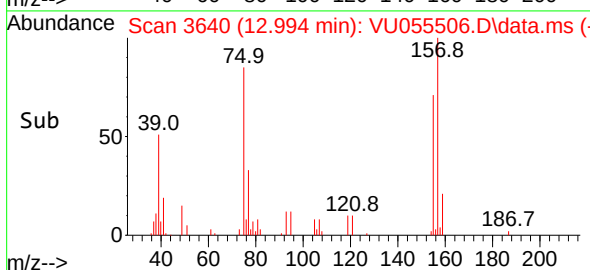
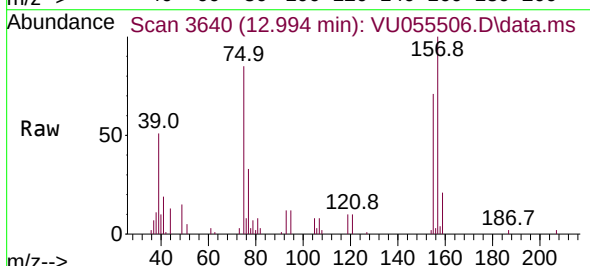
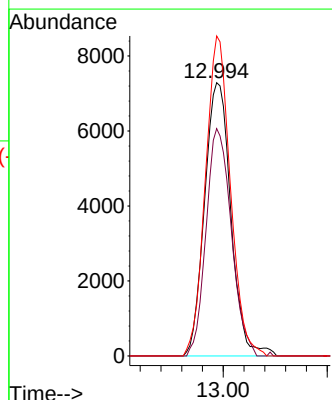
Tgt Ion: 75 Resp: 12793

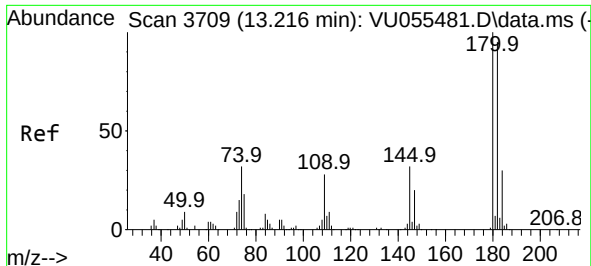
Ion Ratio Lower Upper

75 100

155 83.2 69.2 103.8

157 117.1 81.9 122.9





#69

1,3,5-Trichlorobenzene

Concen: 5.241 ug/L

RT: 13.215 min Scan# 31

Delta R.T. -0.000 min

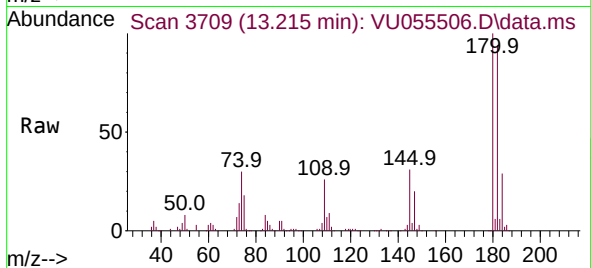
Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 165595

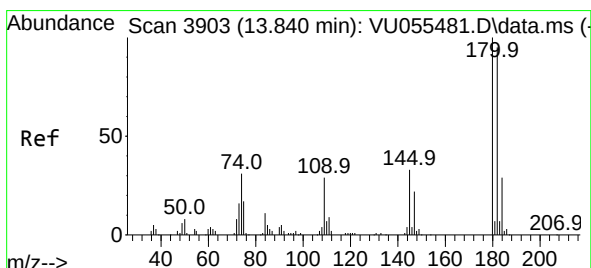
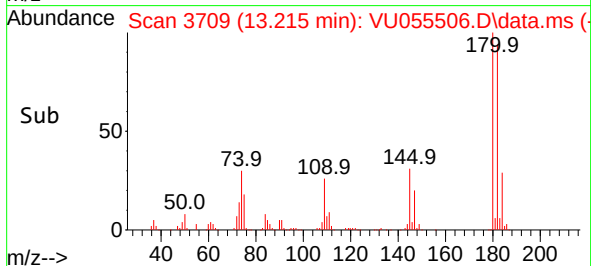
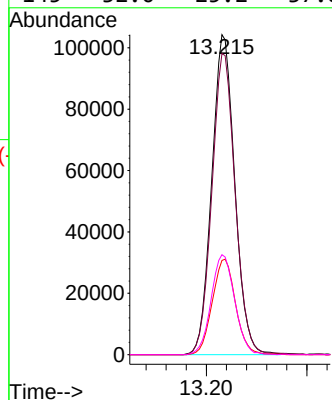
Ion Ratio Lower Upper

180 100

182 95.3 77.1 115.7

184 30.2 24.0 36.0

145 32.0 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.995 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. -0.000 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

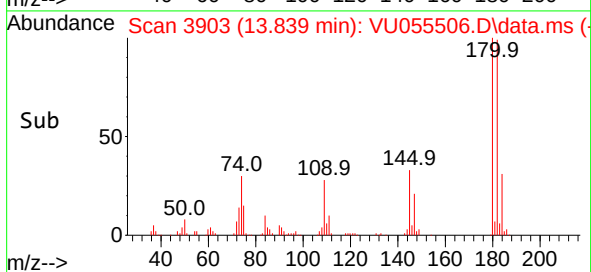
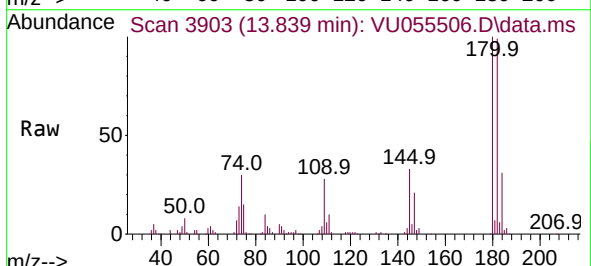
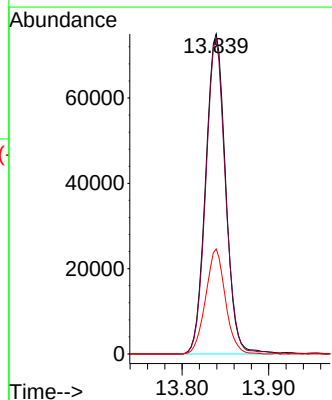
Tgt Ion:180 Resp: 120331

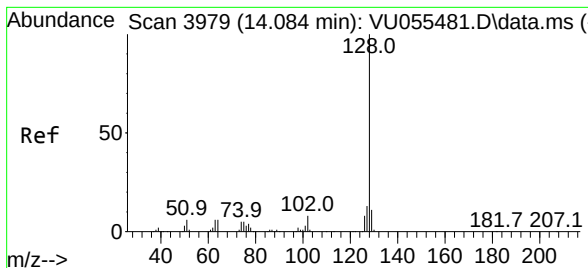
Ion Ratio Lower Upper

180 100

182 96.7 76.4 114.6

145 32.4 25.4 38.0





#71

Naphthalene

Concen: 4.634 ug/L

RT: 14.087 min Scan# 3979

Delta R.T. 0.003 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

Instrument :

MSVOA_U

ClientSampleId :

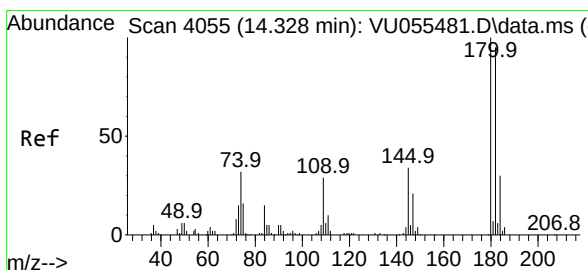
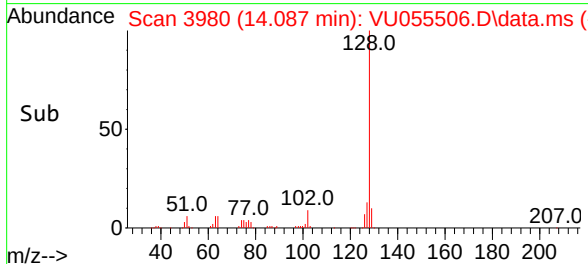
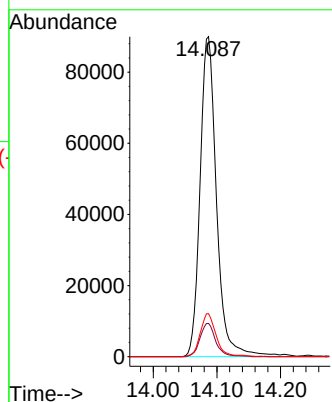
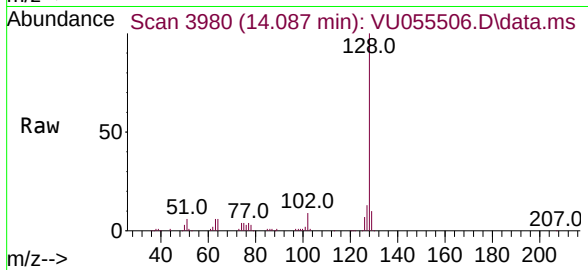
Tgt Ion:128 Resp: 161598

Ion Ratio Lower Upper

128 100

129 10.0 8.5 12.7

127 12.8 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 4.927 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU055506.D

Acq: 26 Sep 2023 09:45

Tgt Ion:180 Resp: 103282

Ion Ratio Lower Upper

180 100

182 96.5 76.2 114.4

145 34.8 26.0 39.0

