

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112023\
 Data File : VU056518.D
 Acq On : 20 Nov 2023 09:17
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 00:34:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 18 00:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	283894	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	269351	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	140360	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	126045	5.936	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.800%
7) Chloroethane-d5	1.907	69	76664	4.709	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.200%
11) 1,1-Dichloroethene-d2	2.563	65	54892	5.858	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	117.200%
20) 2-Butanone-d5	4.624	46	227123	53.641	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.280%
24) Chloroform-d	5.055	84	229021	5.576	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.600%
26) 1,2-Dichloroethane-d4	5.695	65	105769	5.573	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.400%
32) Benzene-d6	5.721	84	443423	5.526	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.600%
36) 1,2-Dichloropropane-d6	6.685	67	135674	5.610	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.200%
41) Toluene-d8	7.894	98	418454	5.905	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.000%
43) trans-1,3-Dichloroprop...	8.177	79	52838	5.696	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	114.000%
46) 2-Hexanone-d5	8.634	63	207162	56.830	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.660%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	100719	5.828	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	139667	5.386	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	112353	4.995	ug/L	96
3) Chloromethane	1.515	50	99506	4.329	ug/L	94
5) Vinyl chloride	1.602	62	105952	4.784	ug/L	94
6) Bromomethane	1.856	94	44957	4.010	ug/L	97
8) Chloroethane	1.930	64	54635	4.038	ug/L	98
9) Trichlorofluoromethane	2.132	101	174023	5.453	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	104379	5.509	ug/L	97
12) 1,1-Dichloroethene	2.573	96	89701	5.162	ug/L	84
13) Acetone	2.634	43	182893	50.716	ug/L	96
14) Carbon disulfide	2.788	76	252254	4.461	ug/L	98
15) Methyl Acetate	2.949	43	32861	5.120	ug/L	98
16) Methylene chloride	3.042	84	124193	5.400	ug/L	95
17) Methyl tert-butyl Ether	3.354	73	220806	5.230	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	92979	5.200	ug/L	94
19) 1,1-Dichloroethane	3.862	63	186061	5.253	ug/L	98
21) 2-Butanone	4.705	43	240332	51.359	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	105638	5.209	ug/L	99
23) Bromochloromethane	4.968	128	45470	5.448	ug/L	95
25) Chloroform	5.081	83	202762	5.284	ug/L	97

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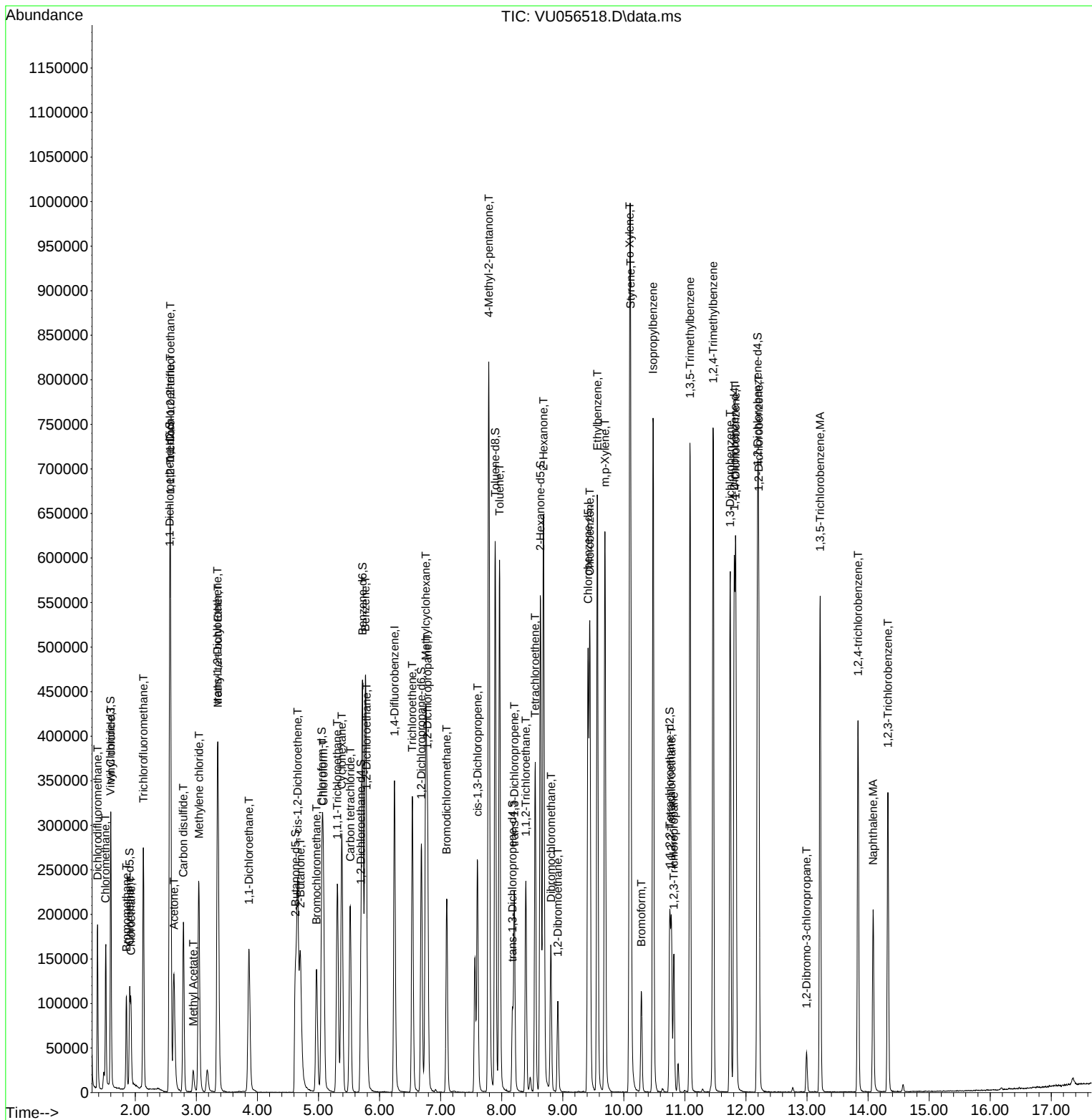
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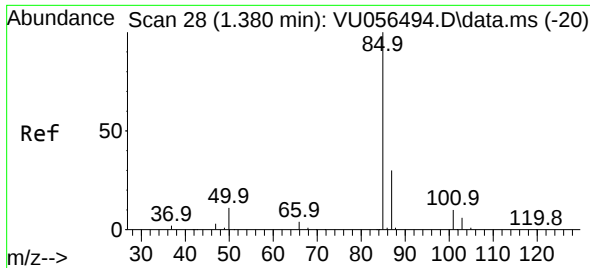
Quant Time: Nov 21 00:34:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 18 00:12:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	114946	5.276	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	174729	5.651	ug/L	99
30) Cyclohexane	5.383	56	144205	4.914	ug/L	100
31) Carbon tetrachloride	5.521	117	149698	5.637	ug/L	96
33) Benzene	5.769	78	412728	5.370	ug/L	100
34) Trichloroethene	6.537	95	118327	5.651	ug/L	97
35) Methylcyclohexane	6.759	83	158951	5.258	ug/L	98
37) 1,2-Dichloropropane	6.785	63	112967	5.636	ug/L	100
38) Bromodichloromethane	7.100	83	148112	5.724	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	157498	5.348	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	556413	56.005	ug/L	98
42) Toluene	7.965	91	443770	5.577	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	128542	5.475	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	74523	5.583	ug/L	96
47) Tetrachloroethene	8.550	164	77990	5.523	ug/L	99
48) 2-Hexanone	8.685	43	423965	54.776	ug/L	99
49) Dibromochloromethane	8.807	129	83941	5.530	ug/L	96
50) 1,2-Dibromoethane	8.920	107	68418	5.429	ug/L	98
51) Chlorobenzene	9.444	112	276799	5.414	ug/L	98
52) Ethylbenzene	9.566	91	484826	5.487	ug/L	99
53) m,p-Xylene	9.692	106	184385	5.677	ug/L	97
54) o-Xylene	10.097	106	182283	5.777	ug/L	100
55) Styrene	10.113	104	312872	5.961	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	94980	5.828	ug/L	97
59) Bromoform	10.286	173	50280	5.751	ug/L	99
60) Isopropylbenzene	10.479	105	506421	5.595	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	65863	5.469	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	398841	5.366	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	418425	5.703	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	233423	5.669	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	230658	5.585	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	209492	5.546	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	12611	4.902	ug/L	89
69) 1,3,5-Trichlorobenzene	13.216	180	167340	5.398	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	121559	4.814	ug/L	98
71) Naphthalene	14.084	128	164872	4.322	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	100120	4.813	ug/L	97

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

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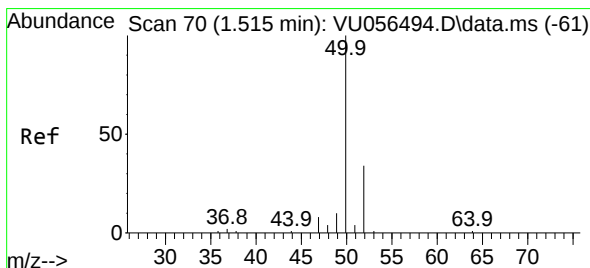
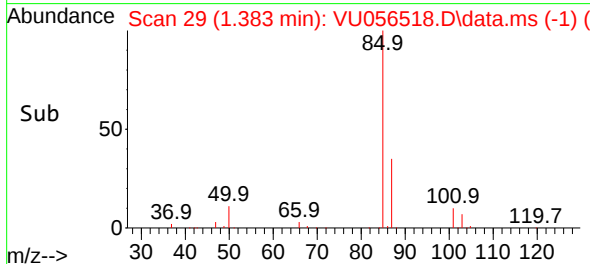
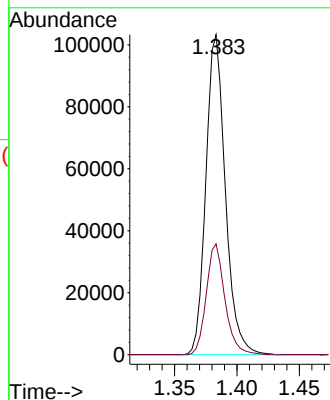
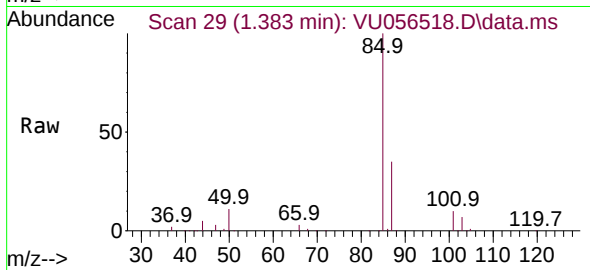




#2
 Dichlorodifluoromethane
 Concen: 4.995 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU056518.D
 Acq: 20 Nov 2023 09:17

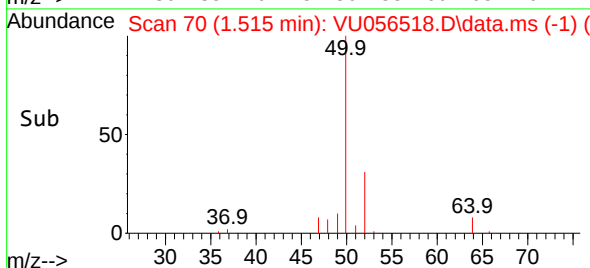
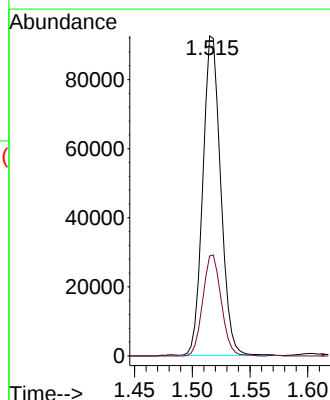
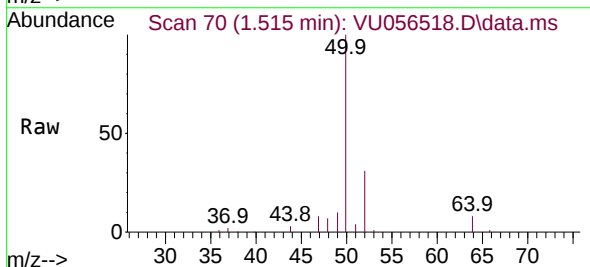
Instrument :
 MSVOA_U
 ClientSampleId :

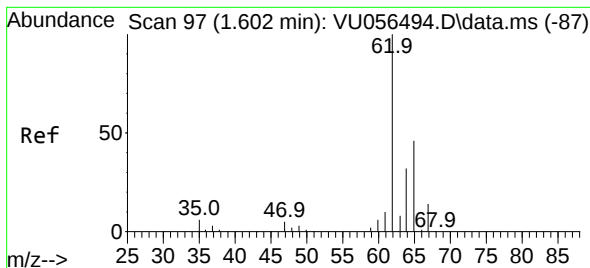
Tgt Ion: 85 Resp: 112353
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.0 37.4



#3
 Chloromethane
 Concen: 4.329 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU056518.D
 Acq: 20 Nov 2023 09:17

Tgt Ion: 50 Resp: 99506
 Ion Ratio Lower Upper
 50 100
 52 31.2 24.3 45.1





#5

Vinyl chloride

Concen: 4.784 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

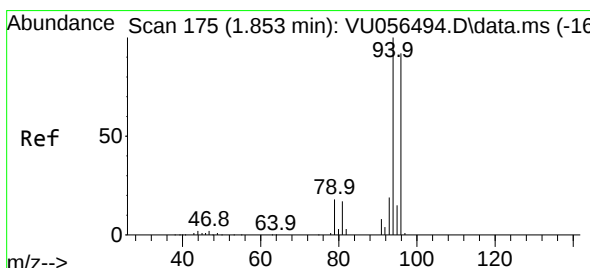
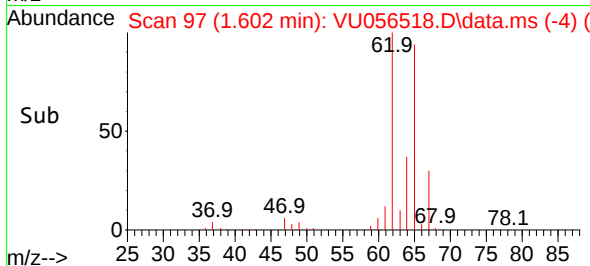
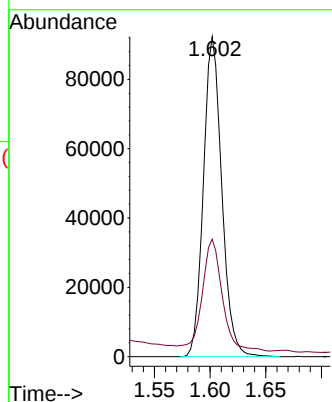
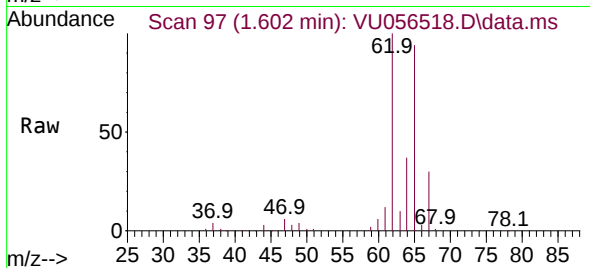
ClientSampleId :

Tgt Ion: 62 Resp: 105952

Ion Ratio Lower Upper

62 100

64 36.7 23.3 43.3



#6

Bromomethane

Concen: 4.010 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.003 min

Lab File: VU056518.D

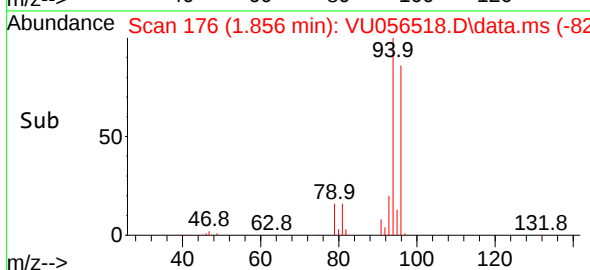
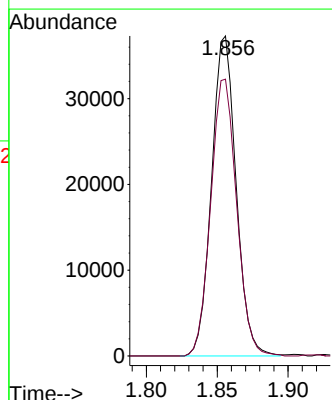
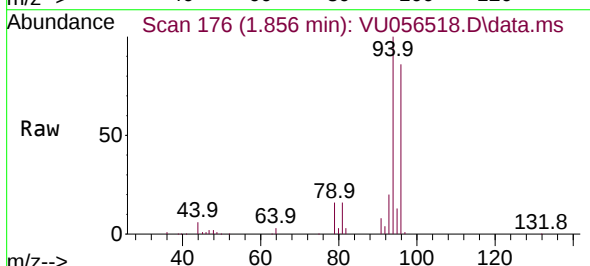
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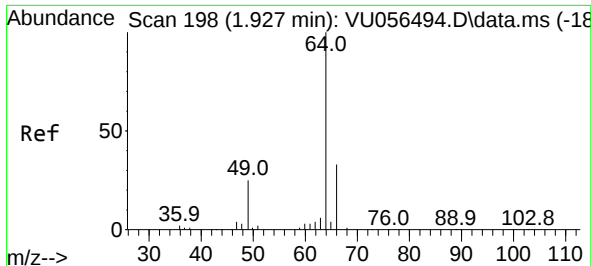
Tgt Ion: 94 Resp: 44957

Ion Ratio Lower Upper

94 100

96 86.5 62.6 116.2

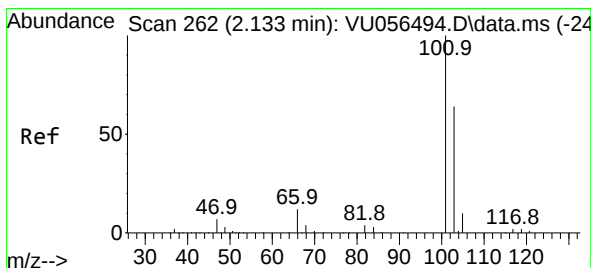
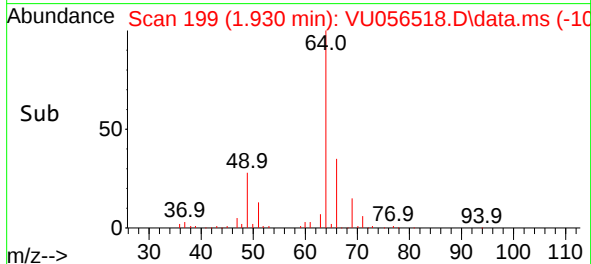
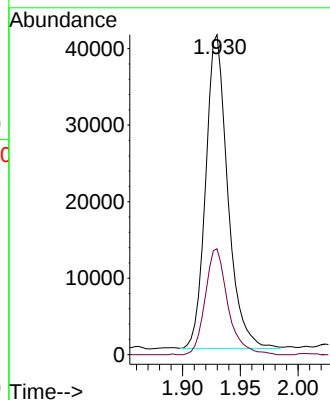
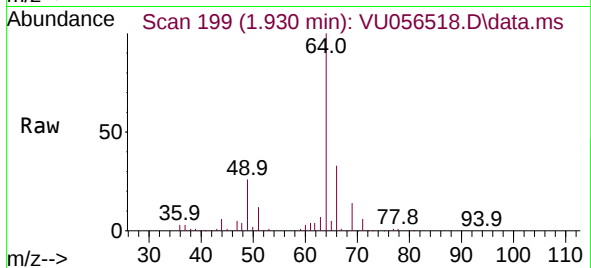




#8
Chloroethane
Concen: 4.038 ug/L
RT: 1.930 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

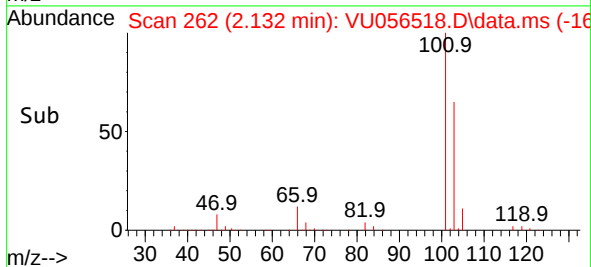
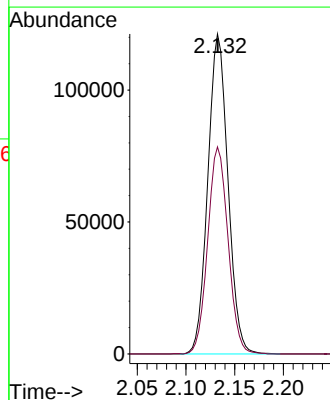
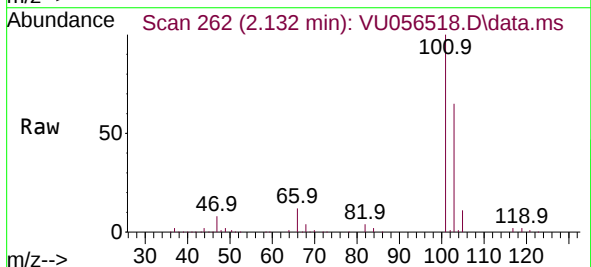
Instrument :
MSVOA_U
ClientSampleId :

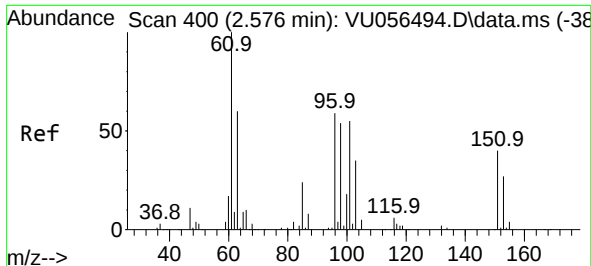
Tgt Ion: 64 Resp: 54635
Ion Ratio Lower Upper
64 100
66 33.1 23.9 44.5



#9
Trichlorofluoromethane
Concen: 5.453 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

Tgt Ion:101 Resp: 174023
Ion Ratio Lower Upper
101 100
103 65.4 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.509 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :

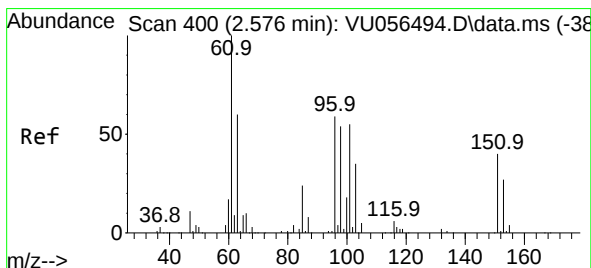
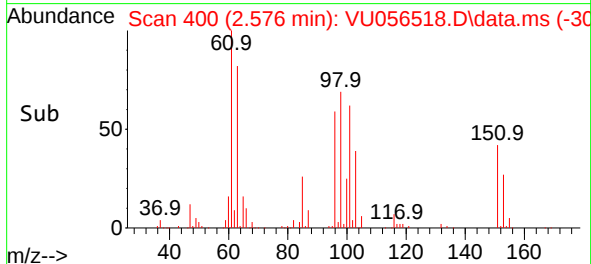
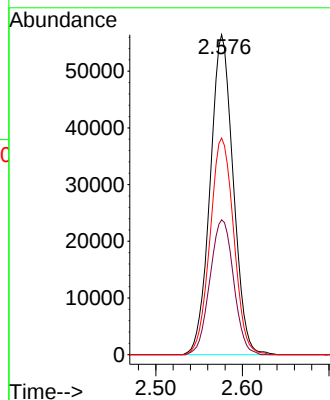
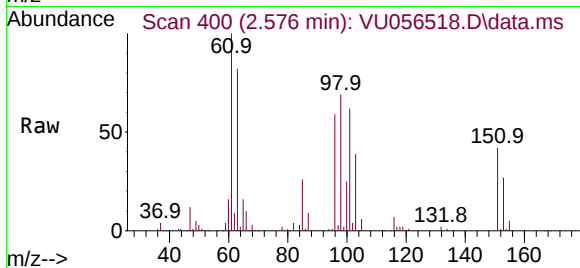
Tgt Ion:101 Resp: 104379

Ion Ratio Lower Upper

101 100

85 43.3 35.4 53.0

151 69.6 58.0 87.0



#12

1,1-Dichloroethene

Concen: 5.162 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

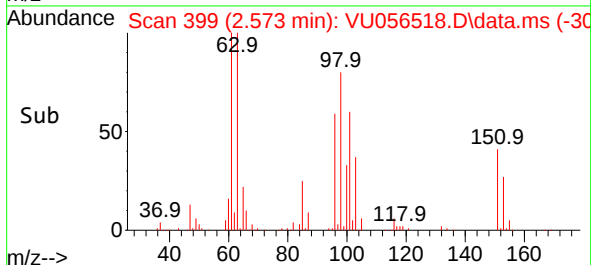
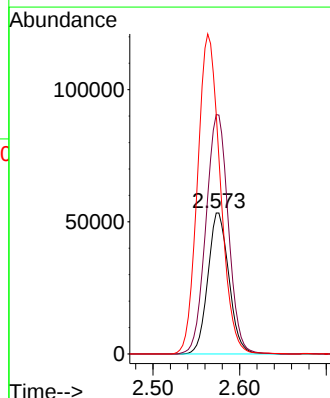
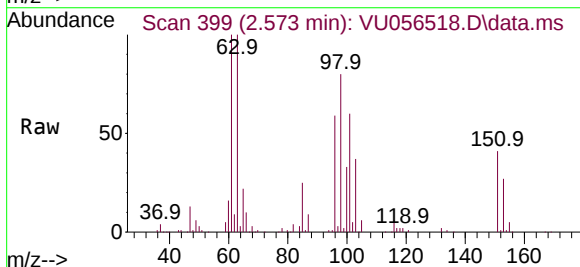
Tgt Ion: 96 Resp: 89701

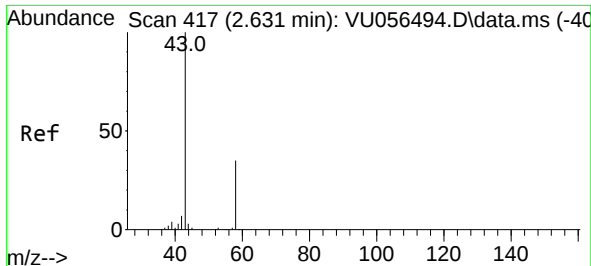
Ion Ratio Lower Upper

96 100

61 169.8 123.1 228.7

63 170.5 93.3 173.3





#13

Acetone

Concen: 50.716 ug/L

RT: 2.634 min Scan# 417

Delta R.T. 0.006 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

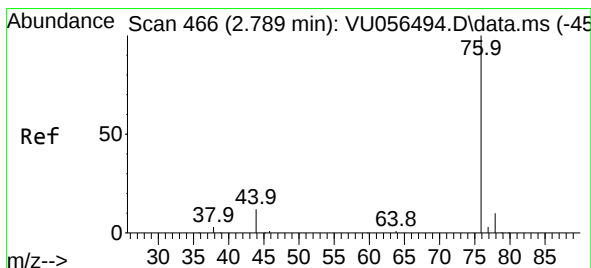
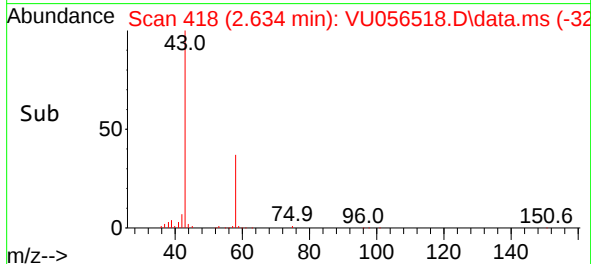
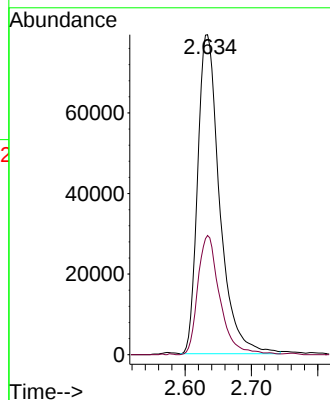
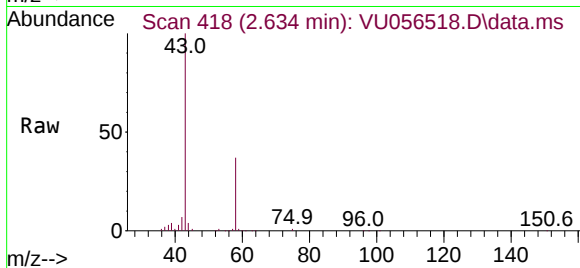
ClientSampleId :

Tgt Ion: 43 Resp: 182893

Ion Ratio Lower Upper

43 100

58 37.2 0.0 70.0



#14

Carbon disulfide

Concen: 4.461 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056518.D

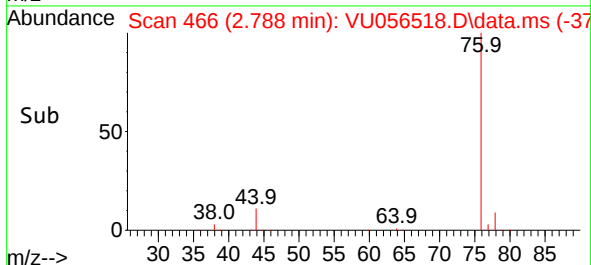
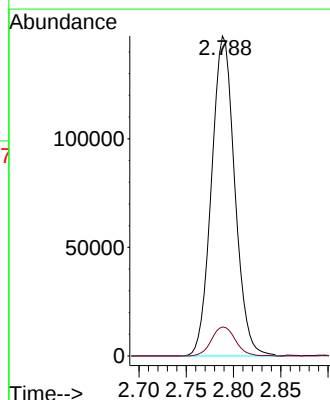
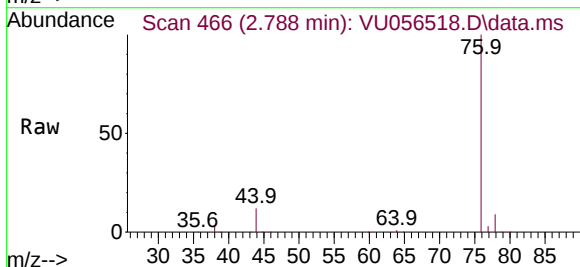
Acq: 20 Nov 2023 09:17

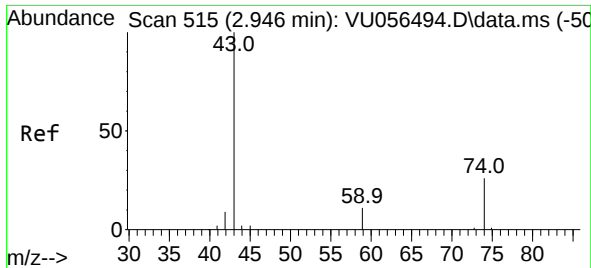
Tgt Ion: 76 Resp: 252254

Ion Ratio Lower Upper

76 100

78 9.0 6.8 10.2

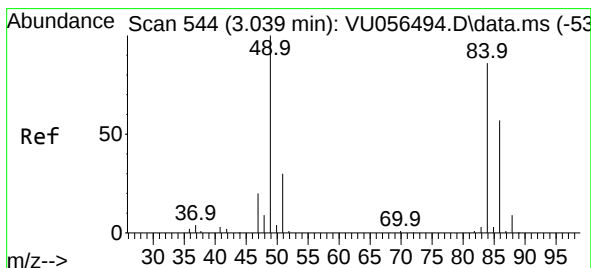
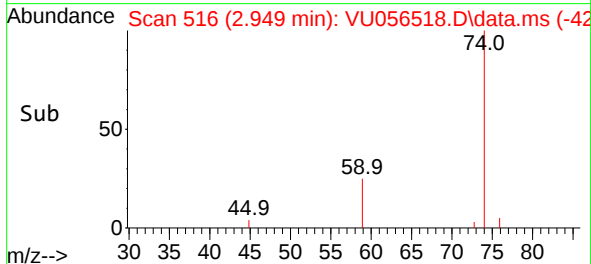
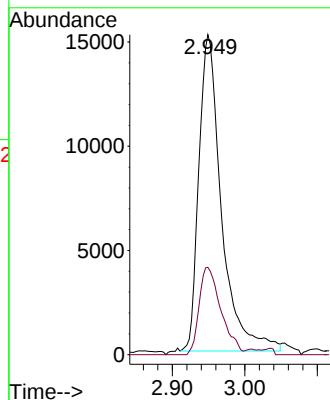
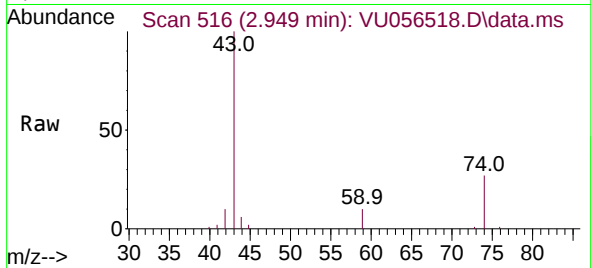




#15
Methyl Acetate
Concen: 5.120 ug/L
RT: 2.949 min Scan# 515
Delta R.T. -0.000 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

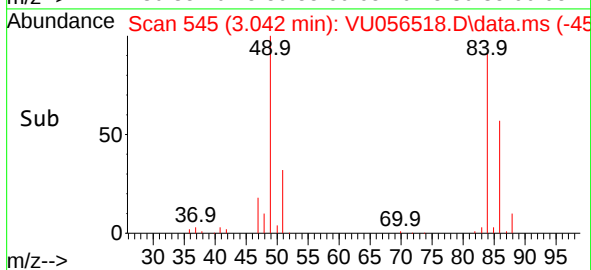
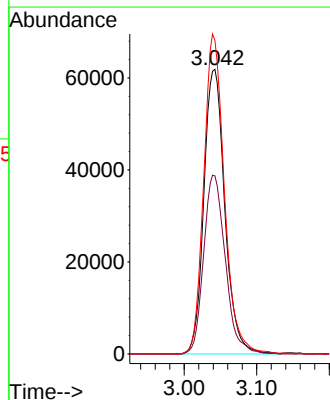
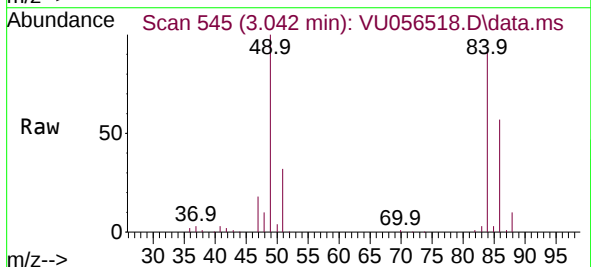
Instrument :
MSVOA_U
ClientSampleId :

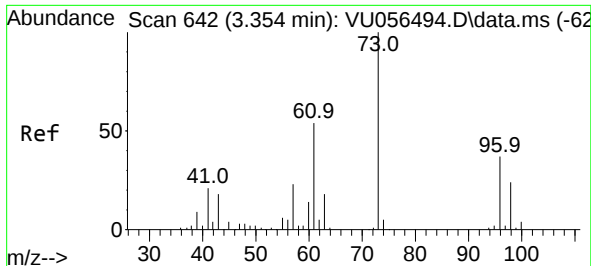
Tgt Ion: 43 Resp: 32861
Ion Ratio Lower Upper
43 100
74 26.7 20.6 31.0



#16
Methylene chloride
Concen: 5.400 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

Tgt Ion: 84 Resp: 124193
Ion Ratio Lower Upper
84 100
86 62.6 44.7 83.1
49 110.2 81.8 152.0

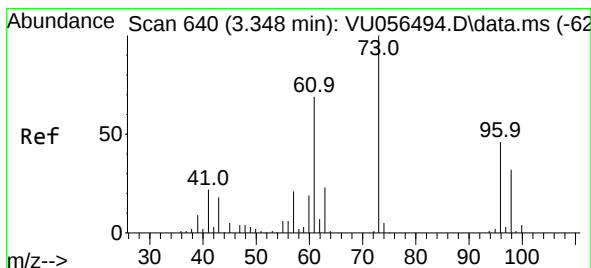
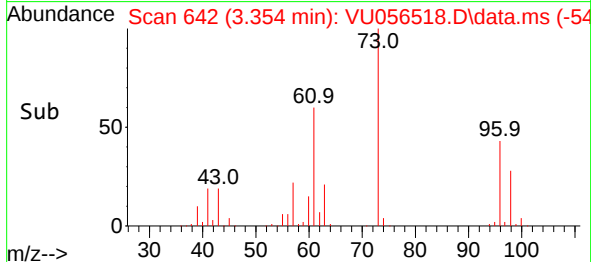
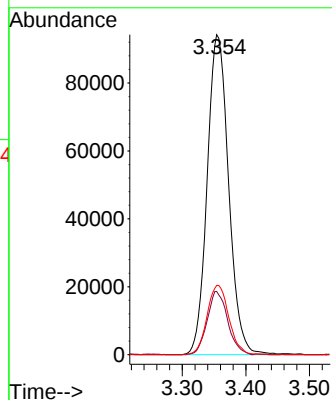
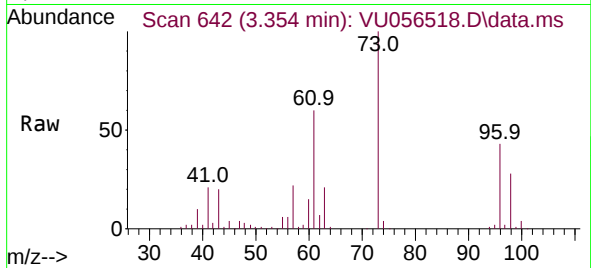




#17
Methyl tert-butyl Ether
Concen: 5.230 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

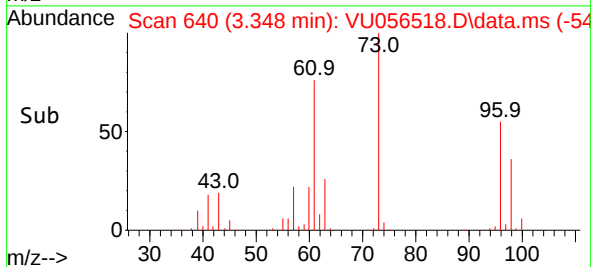
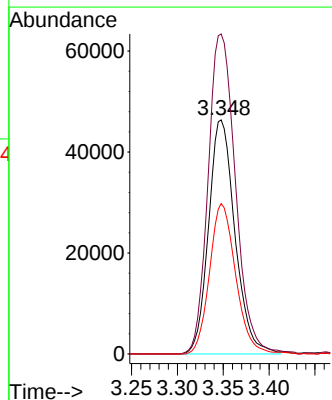
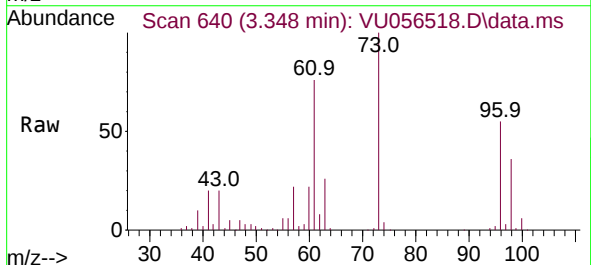
Instrument :
MSVOA_U
ClientSampleId :

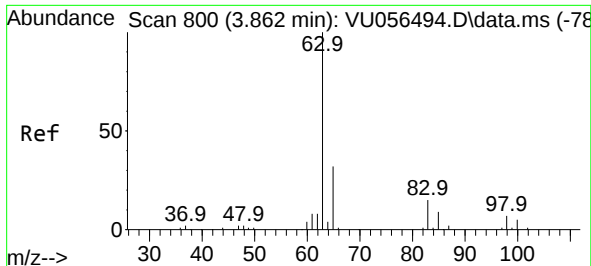
Tgt Ion: 73 Resp: 220806
Ion Ratio Lower Upper
73 100
43 18.9 15.1 22.7
57 22.0 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.200 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

Tgt Ion: 96 Resp: 92979
Ion Ratio Lower Upper
96 100
61 136.7 101.7 188.9
98 64.3 43.0 80.0





#19

1,1-Dichloroethane

Concen: 5.253 ug/L

RT: 3.862 min Scan# 80

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :

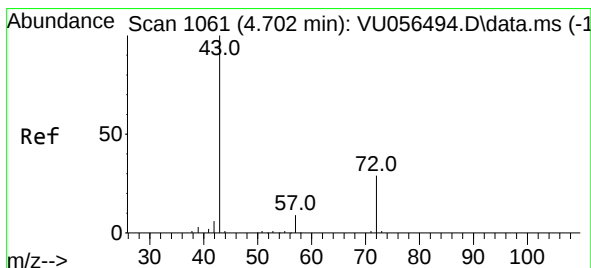
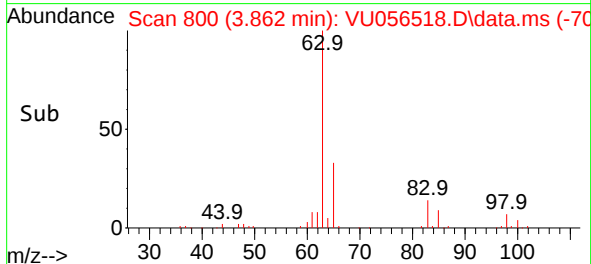
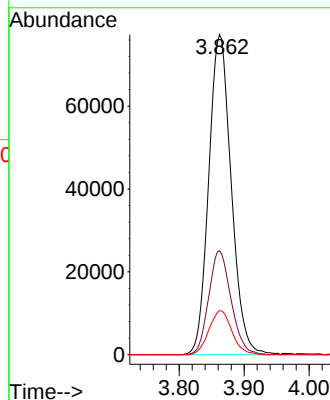
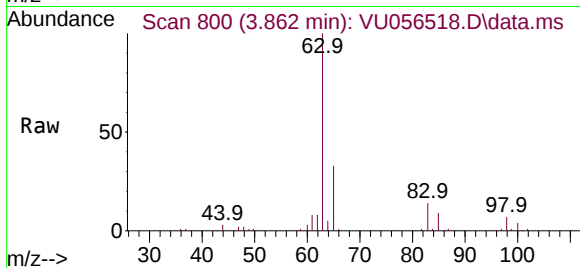
Tgt Ion: 63 Resp: 186061

Ion Ratio Lower Upper

63 100

65 32.5 21.8 40.6

83 13.7 9.7 17.9



#21

2-Butanone

Concen: 51.359 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. 0.006 min

Lab File: VU056518.D

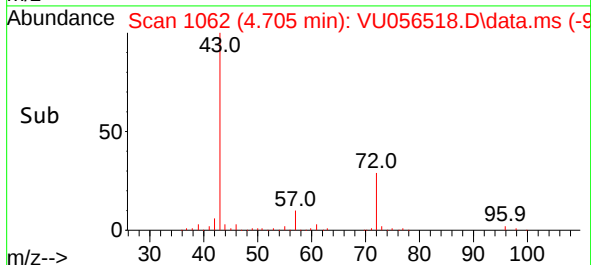
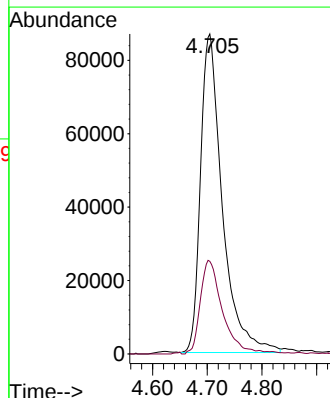
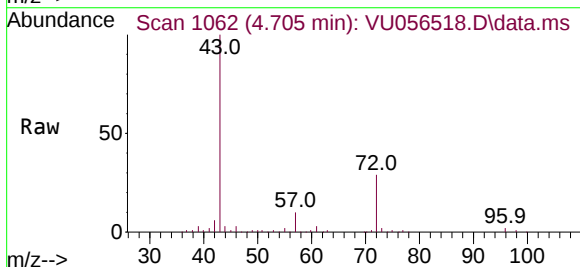
Acq: 20 Nov 2023 09:17

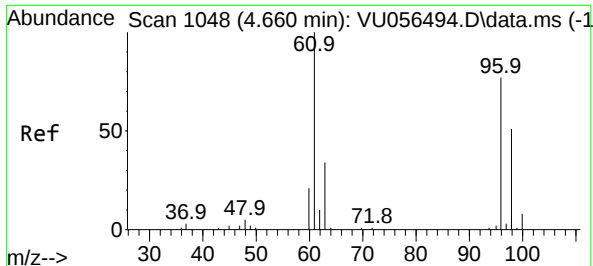
Tgt Ion: 43 Resp: 240332

Ion Ratio Lower Upper

43 100

72 29.4 14.2 42.6

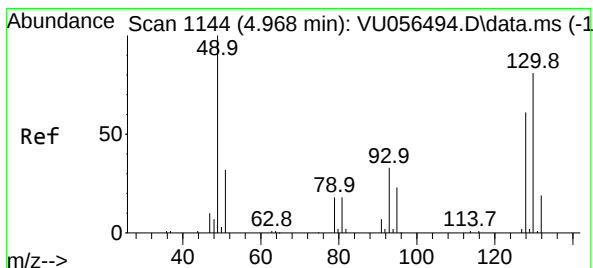
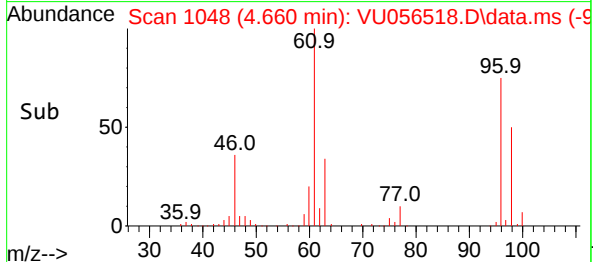
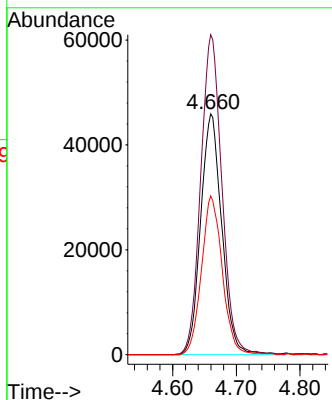
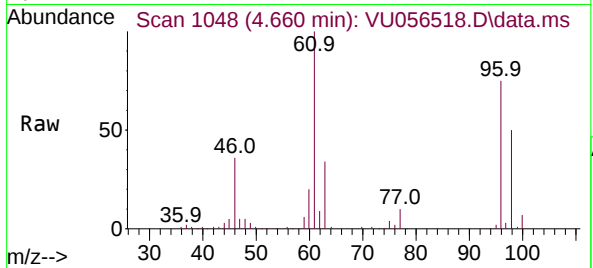




#22
 cis-1,2-Dichloroethene
 Concen: 5.209 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU056518.D
 Acq: 20 Nov 2023 09:17

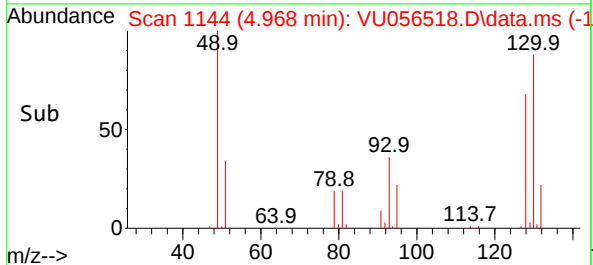
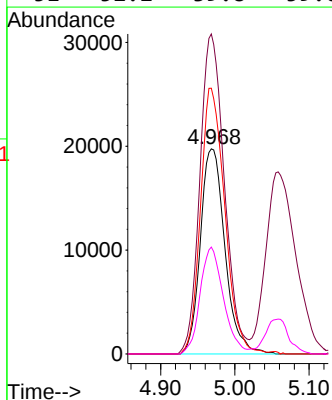
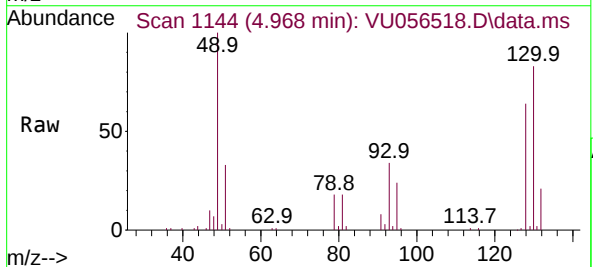
Instrument :
 MSVOA_U
 ClientSampleId :

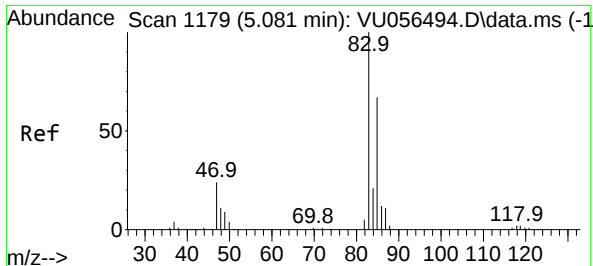
Tgt Ion: 96 Resp: 105638
 Ion Ratio Lower Upper
 96 100
 61 132.8 93.2 173.2
 98 65.9 44.8 83.2



#23
 Bromochloromethane
 Concen: 5.448 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.003 min
 Lab File: VU056518.D
 Acq: 20 Nov 2023 09:17

Tgt Ion: 128 Resp: 45470
 Ion Ratio Lower Upper
 128 100
 49 156.0 113.4 210.6
 130 129.6 84.8 157.6
 51 52.2 39.8 59.6





#25

Chloroform

Concen: 5.284 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

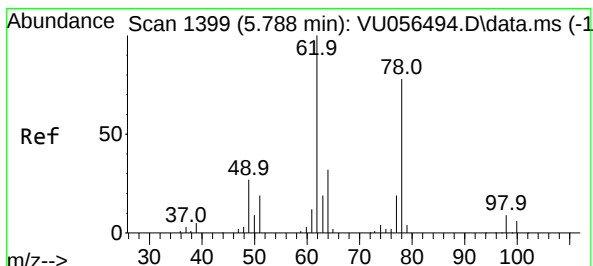
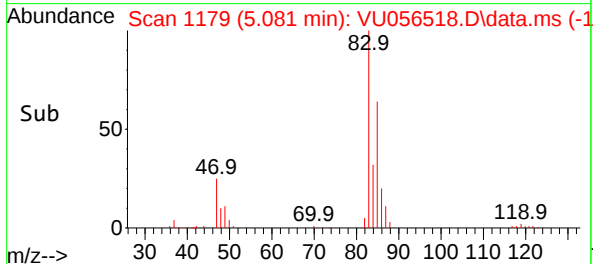
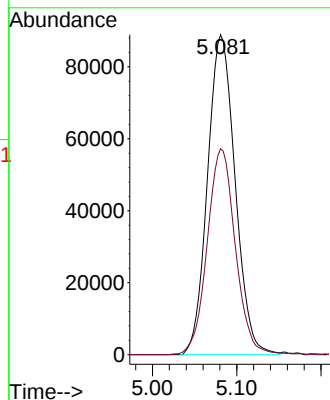
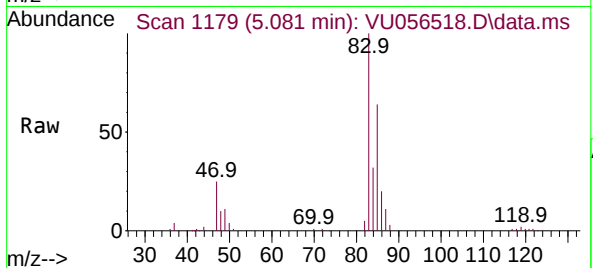
ClientSampleId :

Tgt Ion: 83 Resp: 202762

Ion Ratio Lower Upper

83 100

85 64.3 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.276 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056518.D

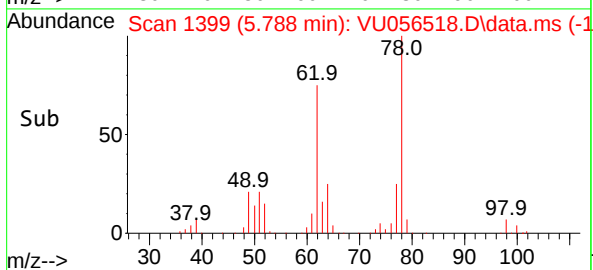
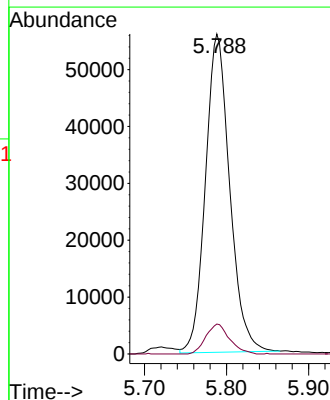
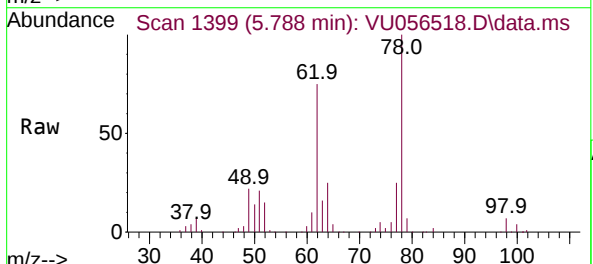
Acq: 20 Nov 2023 09:17

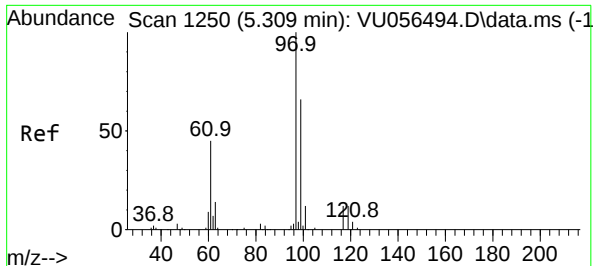
Tgt Ion: 62 Resp: 114946

Ion Ratio Lower Upper

62 100

98 9.4 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.651 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :

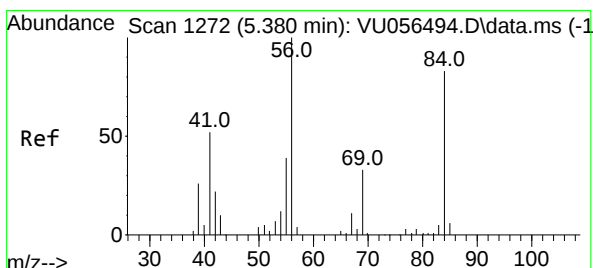
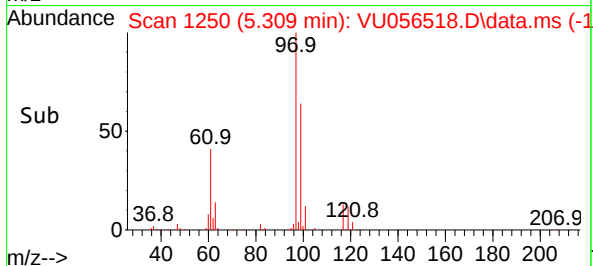
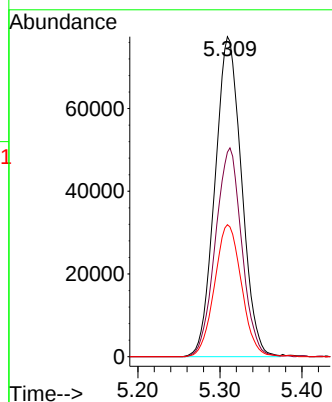
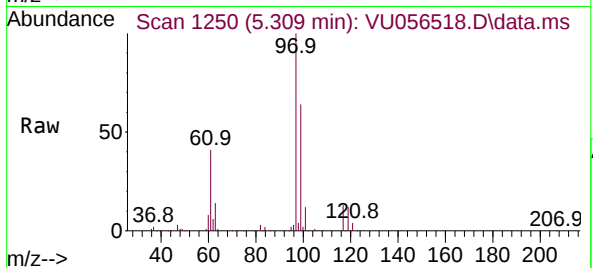
Tgt Ion: 97 Resp: 174729

Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

61 41.8 34.3 51.5



#30

Cyclohexane

Concen: 4.914 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

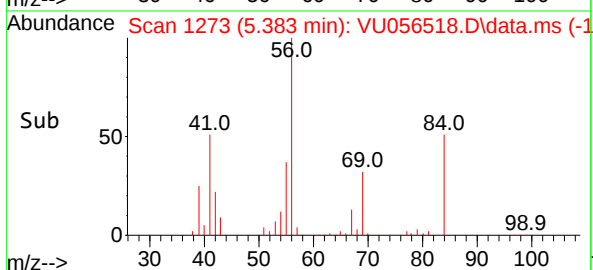
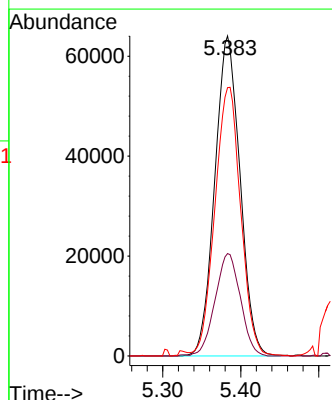
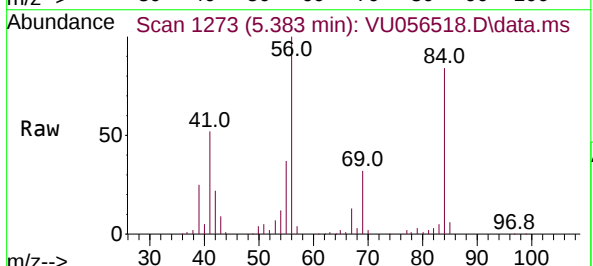
Tgt Ion: 56 Resp: 144205

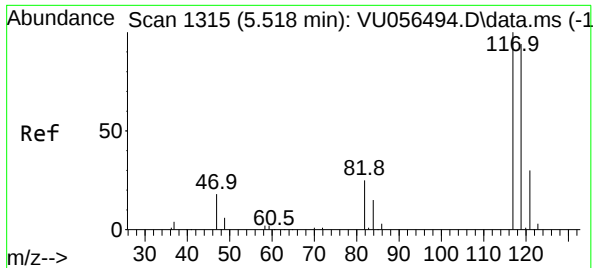
Ion Ratio Lower Upper

56 100

69 32.0 25.4 38.2

84 85.7 68.6 103.0

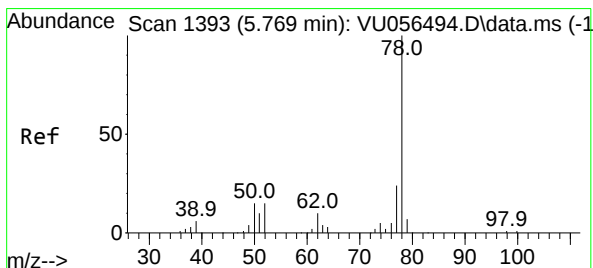
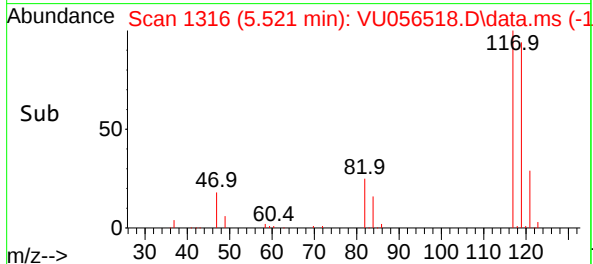
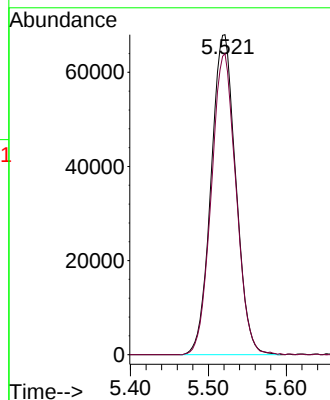
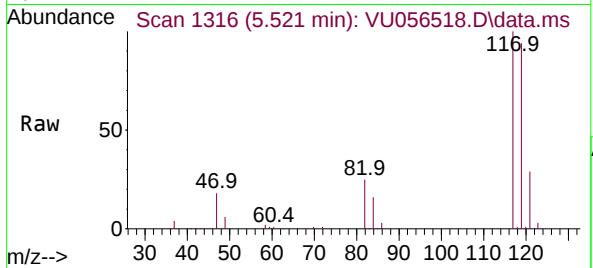




#31
Carbon tetrachloride
Concen: 5.637 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

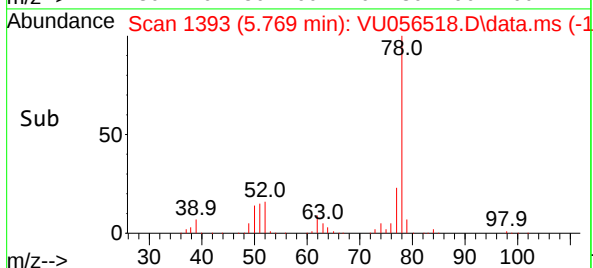
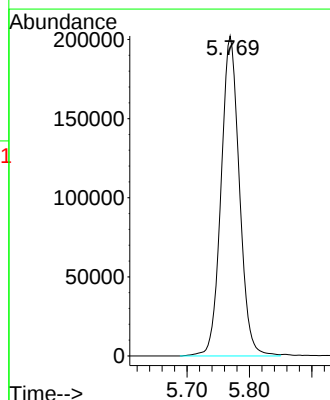
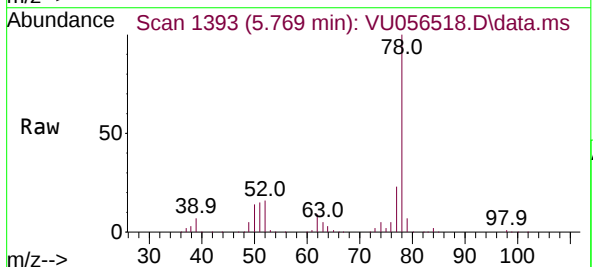
Instrument :
MSVOA_U
ClientSampleId :

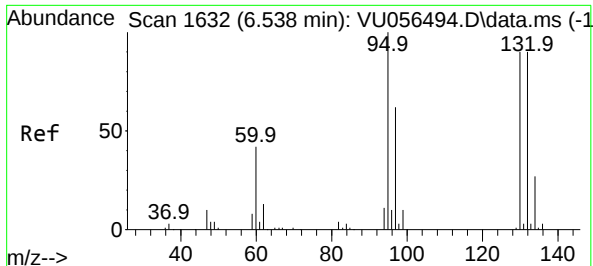
Tgt Ion:117 Resp: 149698
Ion Ratio Lower Upper
117 100
119 94.0 78.1 117.1



#33
Benzene
Concen: 5.370 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

Tgt Ion: 78 Resp: 412728





#34

Trichloroethene

Concen: 5.651 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 118327

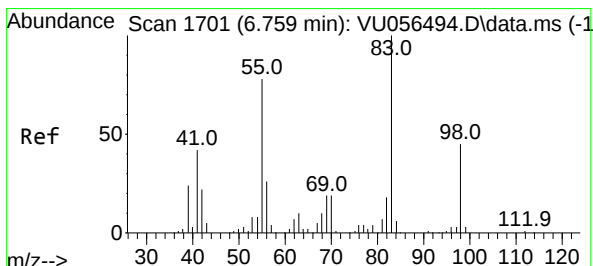
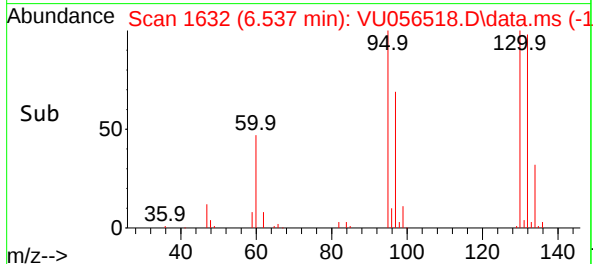
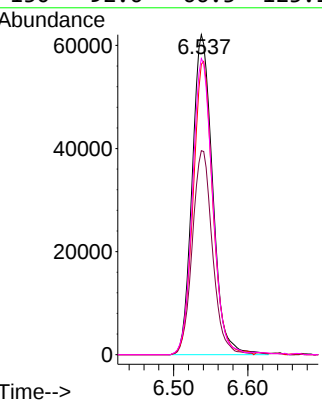
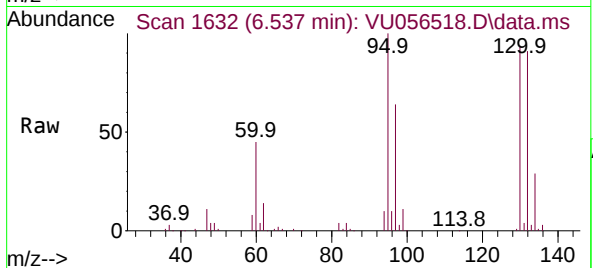
Ion Ratio Lower Upper

95 100

97 63.7 46.5 86.3

132 90.8 62.0 115.2

130 92.6 66.3 123.1



#35

Methylcyclohexane

Concen: 5.258 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

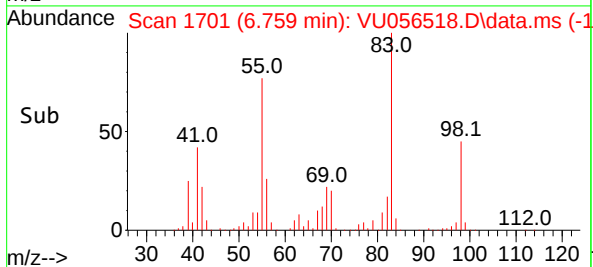
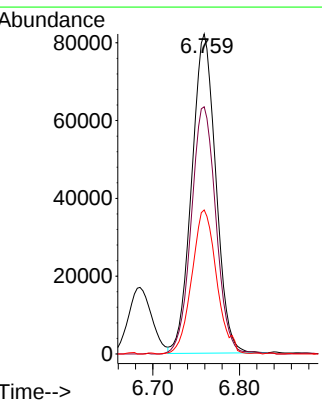
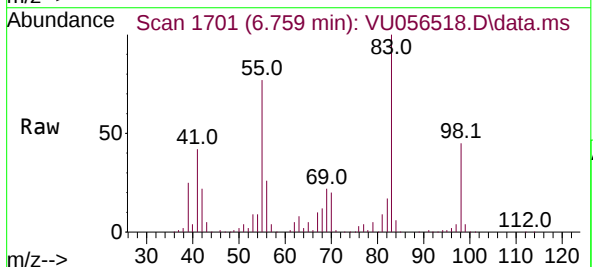
Tgt Ion: 83 Resp: 158951

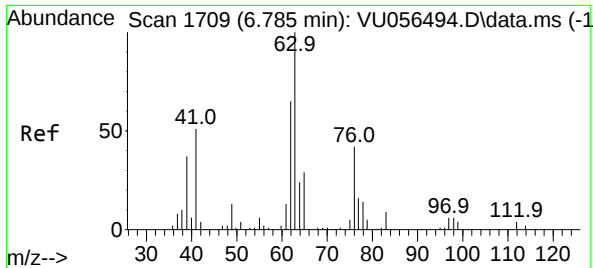
Ion Ratio Lower Upper

83 100

55 79.4 62.9 94.3

98 46.4 35.3 52.9

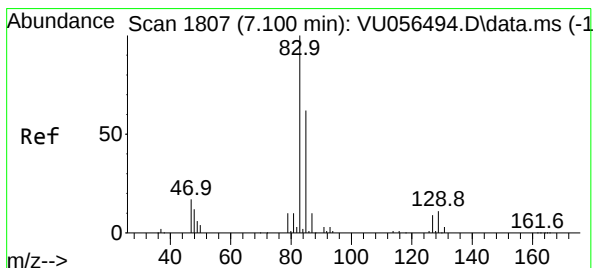
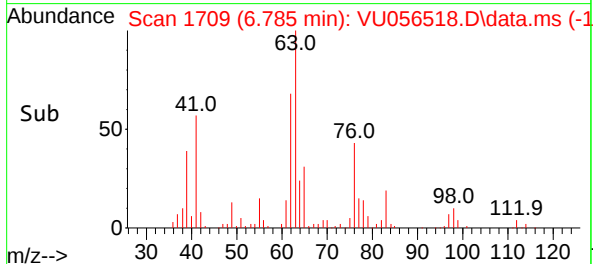
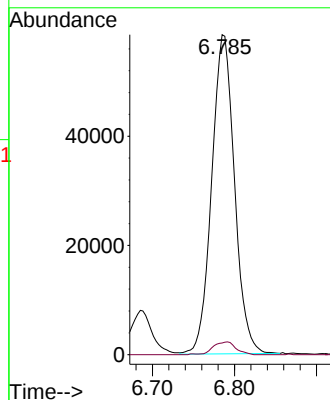
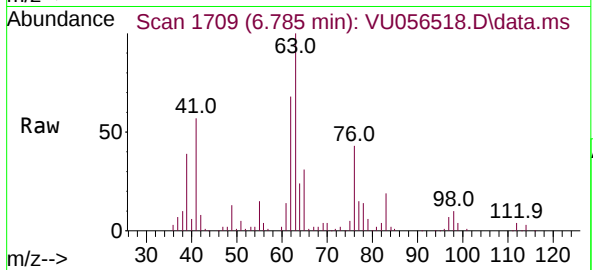




#37
1,2-Dichloropropane
Concen: 5.636 ug/L
RT: 6.785 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

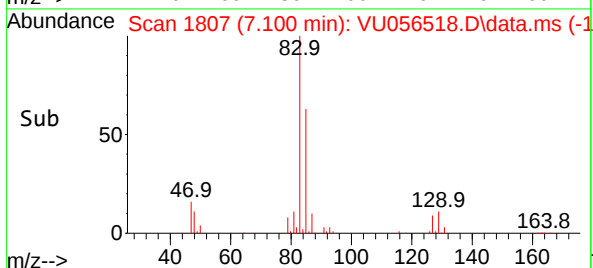
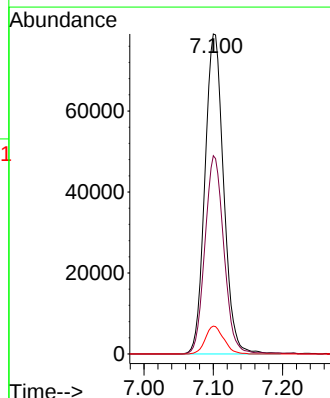
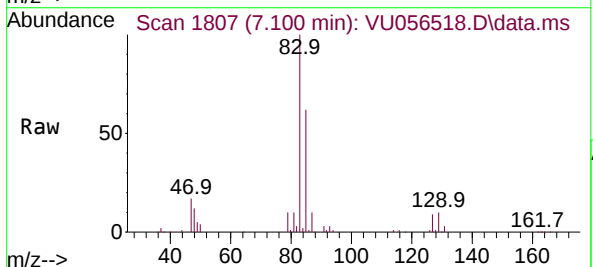
Instrument :
MSVOA_U
ClientSampleId :

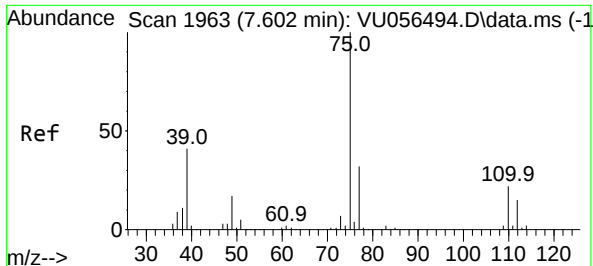
Tgt Ion: 63 Resp: 112967
Ion Ratio Lower Upper
63 100
112 4.0 3.2 4.8



#38
Bromodichloromethane
Concen: 5.724 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

Tgt Ion: 83 Resp: 148112
Ion Ratio Lower Upper
83 100
85 61.9 44.9 83.5
127 8.7 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.348 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

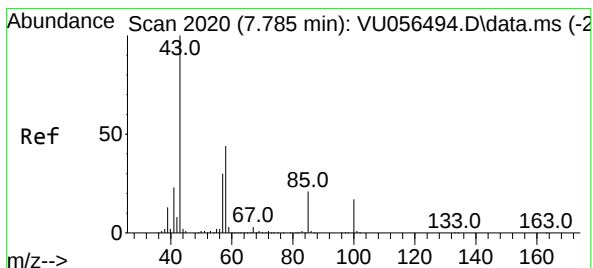
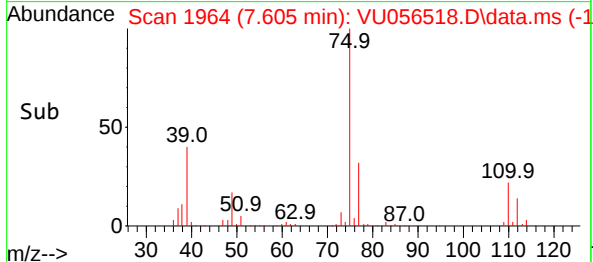
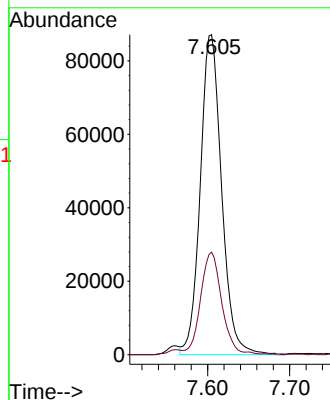
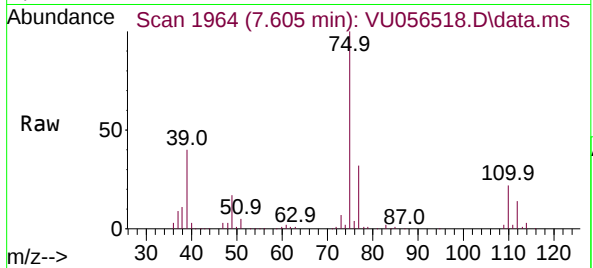
ClientSampleId :

Tgt Ion: 75 Resp: 157498

Ion Ratio Lower Upper

75 100

77 32.1 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 56.005 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

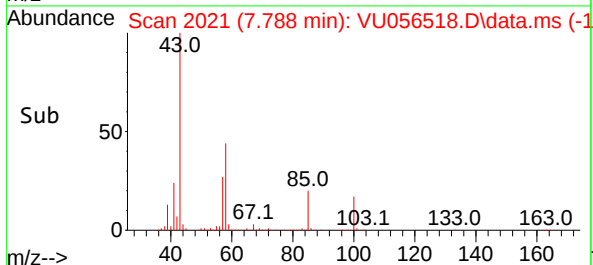
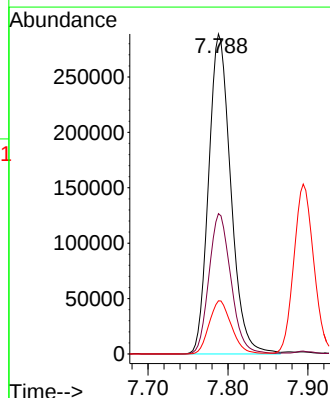
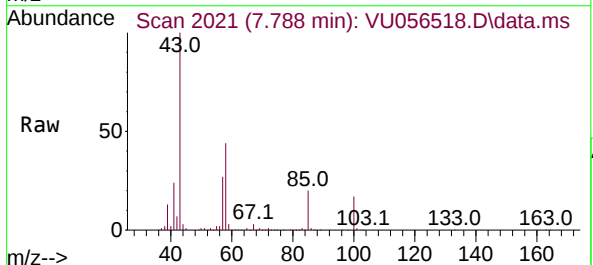
Tgt Ion: 43 Resp: 556413

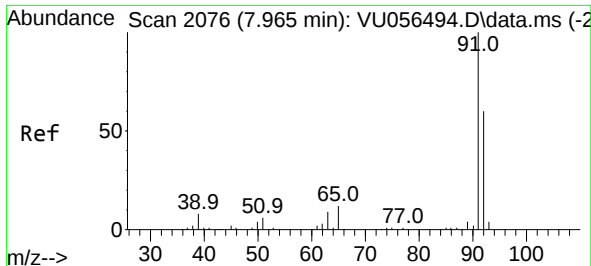
Ion Ratio Lower Upper

43 100

58 43.5 33.8 50.8

100 16.7 13.0 19.4





#42

Toluene

Concen: 5.577 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

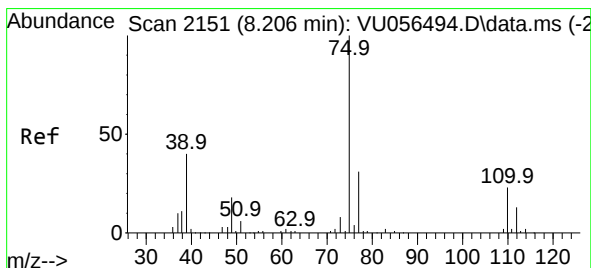
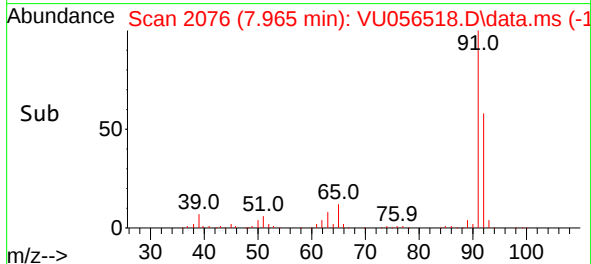
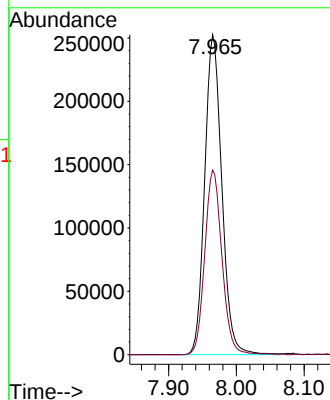
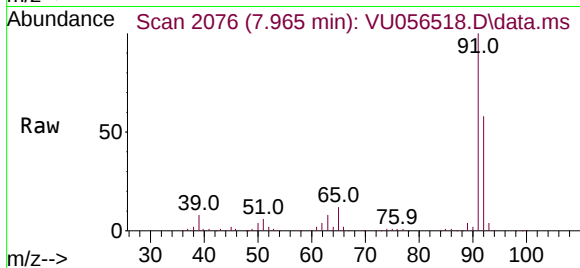
ClientSampleId :

Tgt Ion: 91 Resp: 443770

Ion Ratio Lower Upper

91 100

92 57.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.475 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056518.D

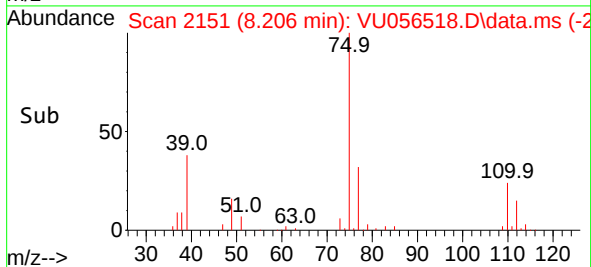
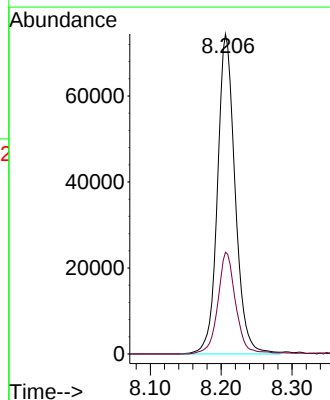
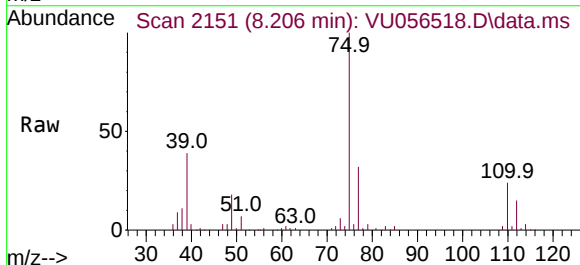
Acq: 20 Nov 2023 09:17

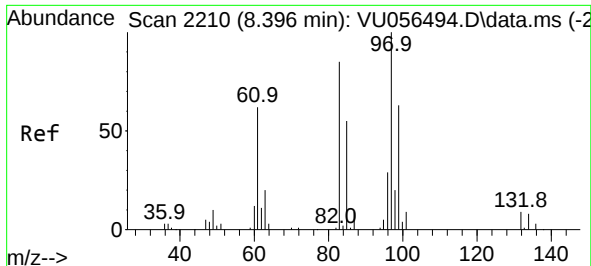
Tgt Ion: 75 Resp: 128542

Ion Ratio Lower Upper

75 100

77 31.8 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 5.583 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 74523

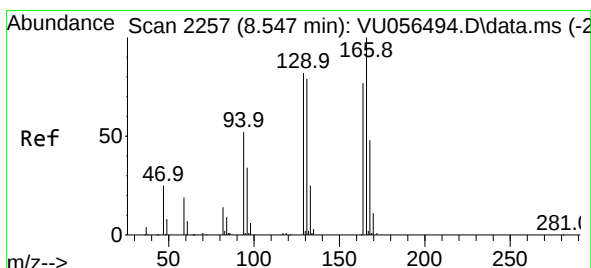
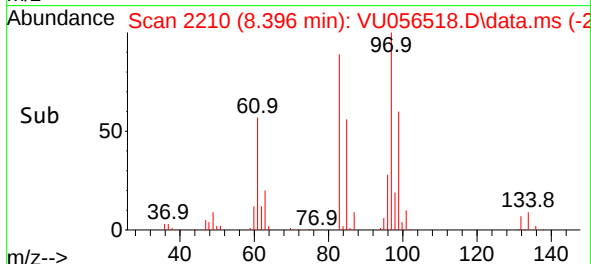
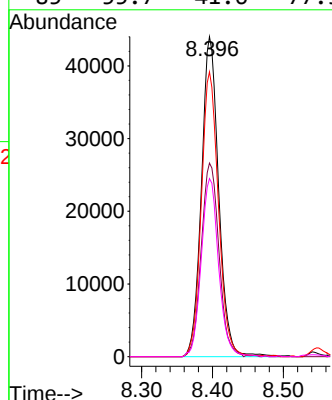
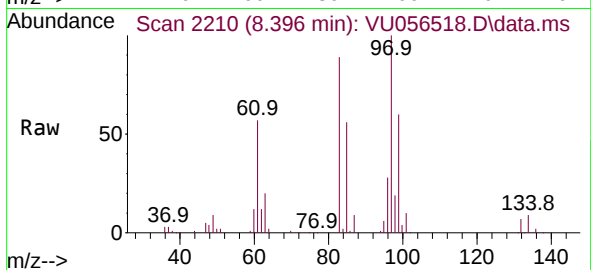
Ion Ratio Lower Upper

97 100

99 60.5 44.3 82.3

83 89.0 65.4 121.4

85 55.7 41.6 77.3



#47

Tetrachloroethene

Concen: 5.523 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Tgt Ion: 164 Resp: 77990

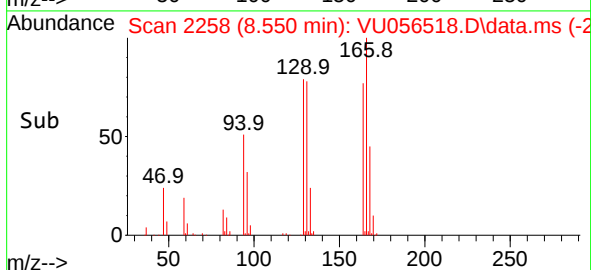
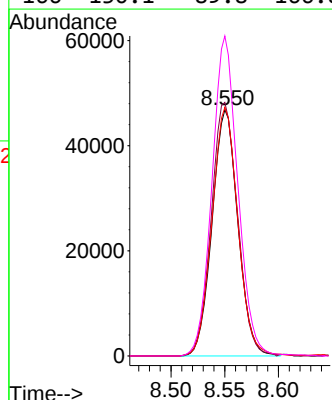
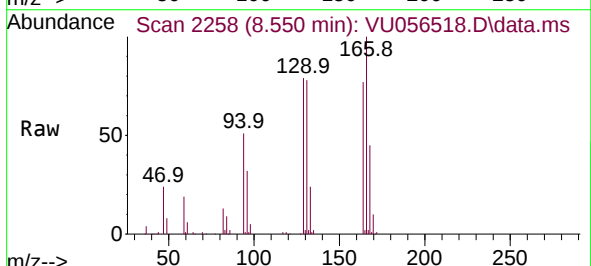
Ion Ratio Lower Upper

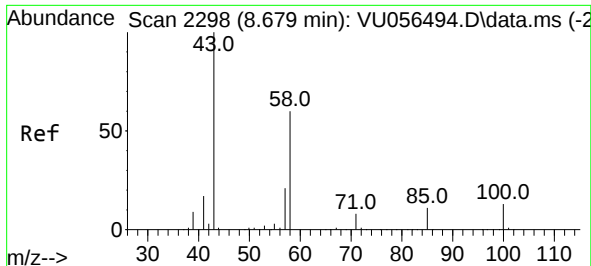
164 100

129 103.1 71.0 131.9

131 101.0 70.3 130.7

166 130.1 89.8 166.8

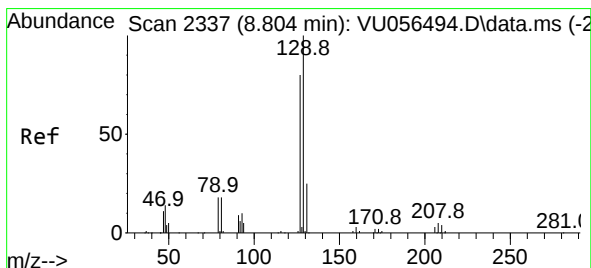
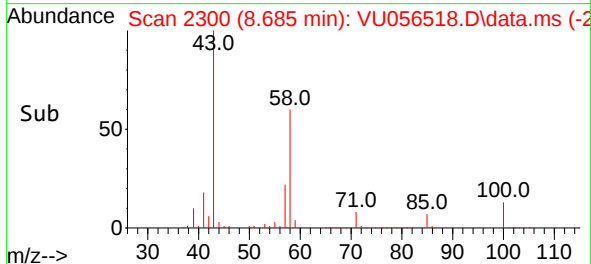
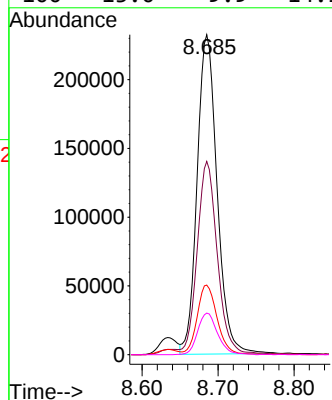
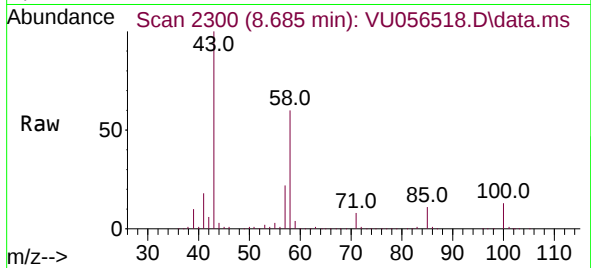




#48
2-Hexanone
Concen: 54.776 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

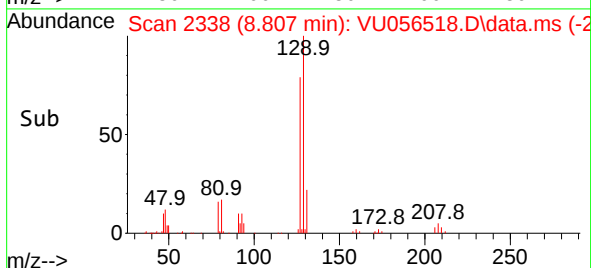
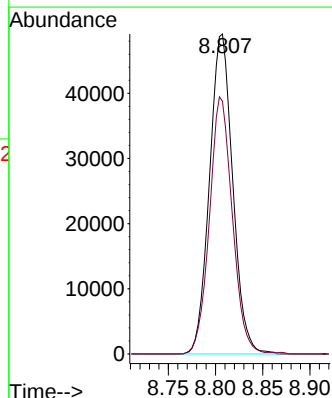
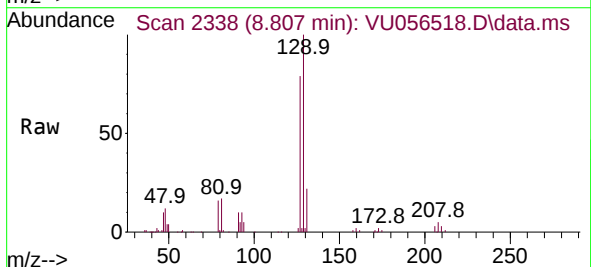
Instrument :
MSVOA_U
ClientSampleId :

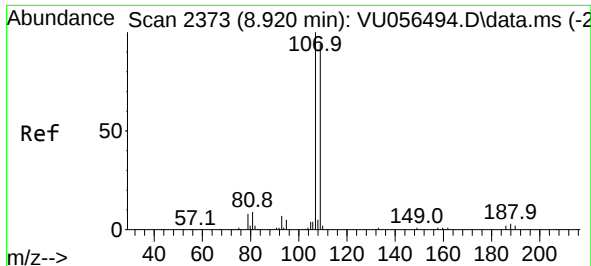
Tgt Ion: 43 Resp: 423965
Ion Ratio Lower Upper
43 100
58 60.7 48.7 73.1
57 21.7 16.8 25.2
100 13.0 9.9 14.9



#49
Dibromochloromethane
Concen: 5.530 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

Tgt Ion: 129 Resp: 83941
Ion Ratio Lower Upper
129 100
127 79.0 52.9 98.3





#50

1,2-Dibromoethane

Concen: 5.429 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056518.D

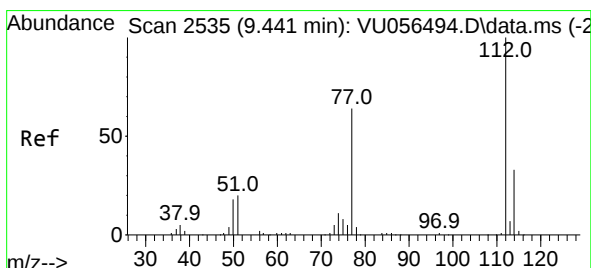
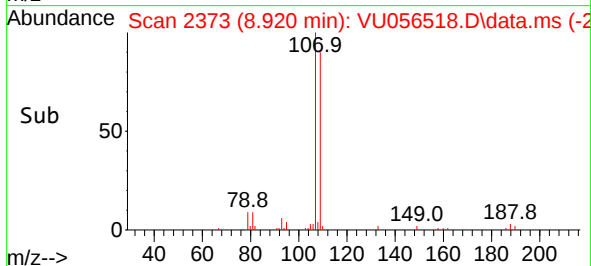
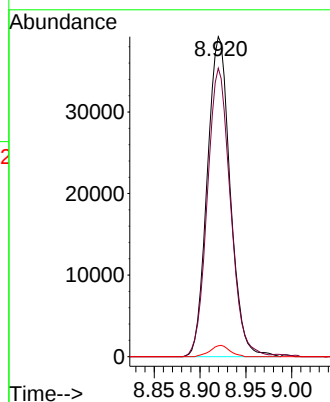
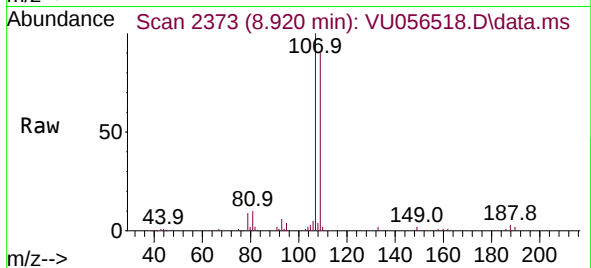
Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	68418
Ion	Ratio	Lower	Upper
107	100		
109	90.2	64.2	119.2
188	3.4	2.6	4.0



#51

Chlorobenzene

Concen: 5.414 ug/L

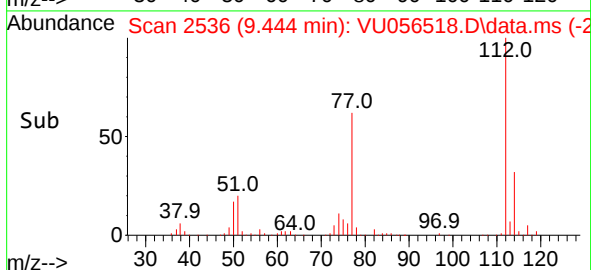
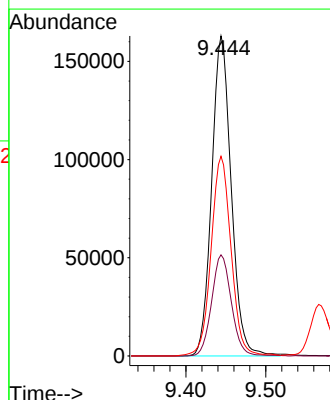
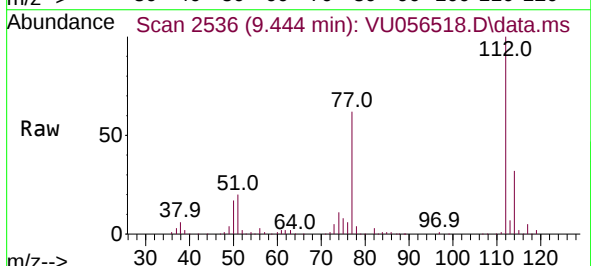
RT: 9.444 min Scan# 2536

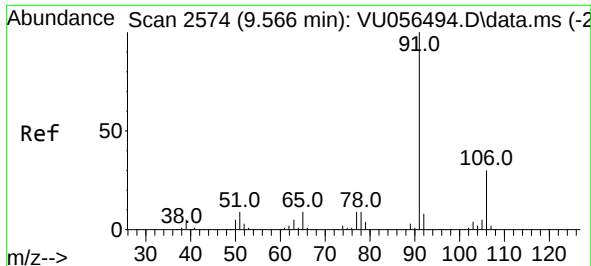
Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Tgt Ion:	112	Resp:	276799
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.5	41.7
77	62.4	51.7	77.5

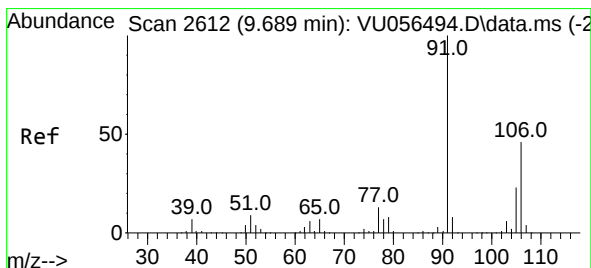
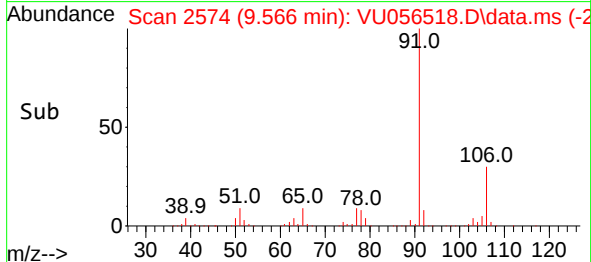
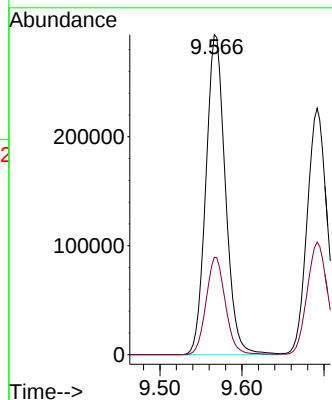
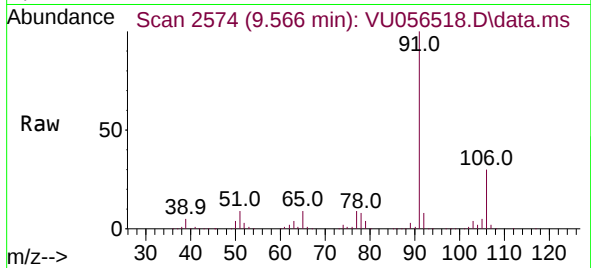




#52
Ethylbenzene
Concen: 5.487 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

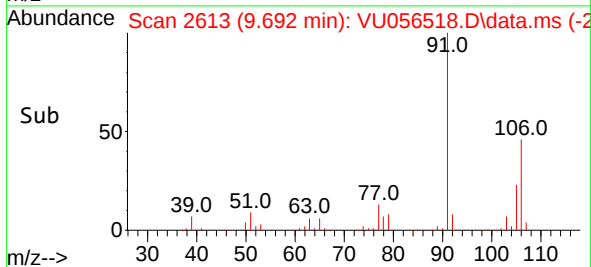
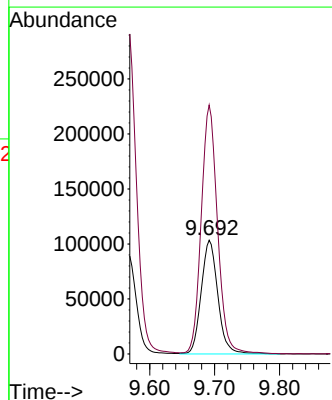
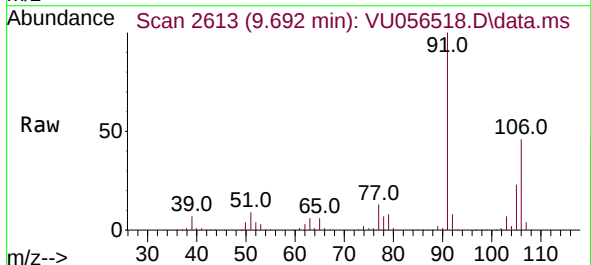
Instrument :
MSVOA_U
ClientSampleId :

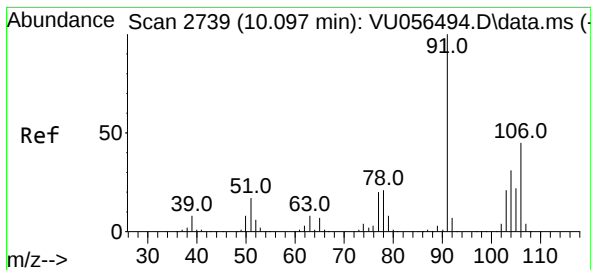
Tgt Ion: 91 Resp: 484826
Ion Ratio Lower Upper
91 100
106 30.5 21.1 39.1



#53
m,p-Xylene
Concen: 5.677 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

Tgt Ion: 106 Resp: 184385
Ion Ratio Lower Upper
106 100
91 218.9 149.6 277.8





#54

o-Xylene

Concen: 5.777 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

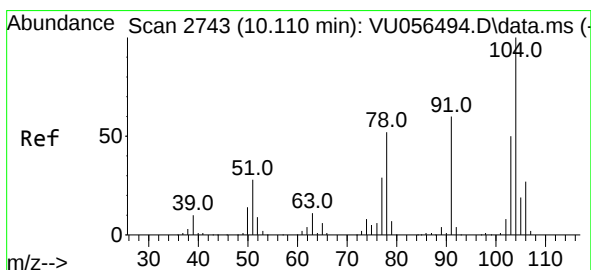
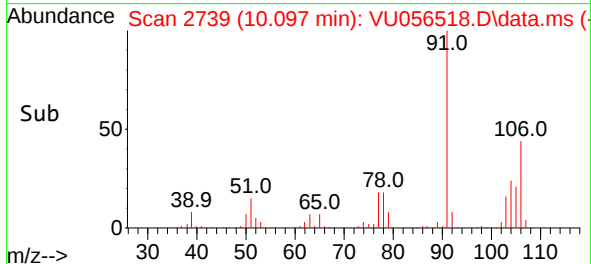
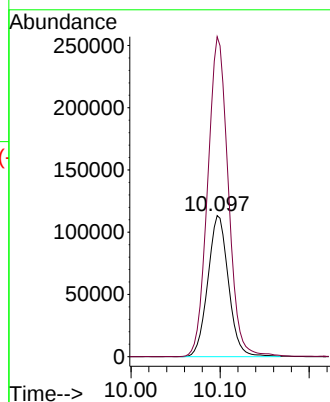
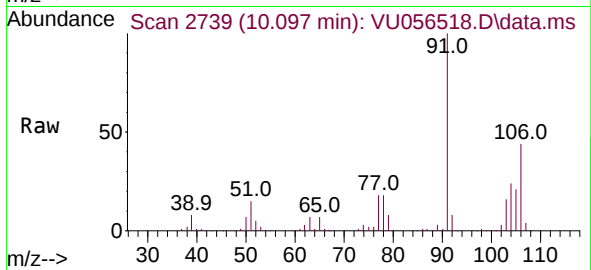
ClientSampleId :

Tgt Ion:106 Resp: 182283

Ion Ratio Lower Upper

106 100

91 226.8 159.3 295.9



#55

Styrene

Concen: 5.961 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VU056518.D

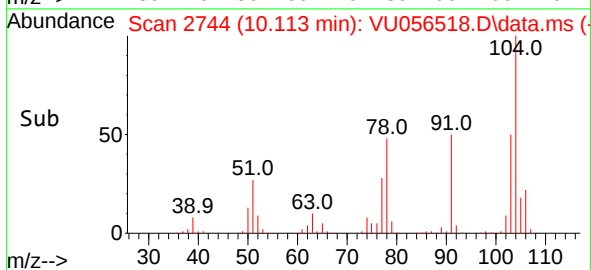
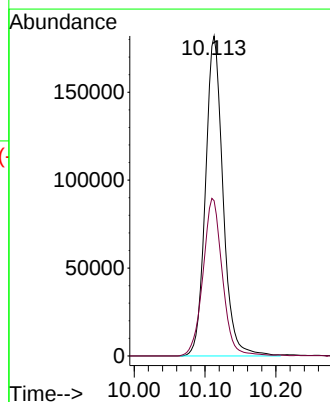
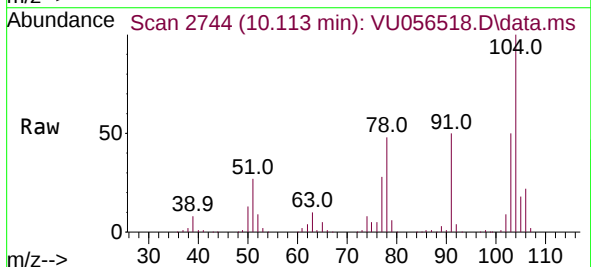
Acq: 20 Nov 2023 09:17

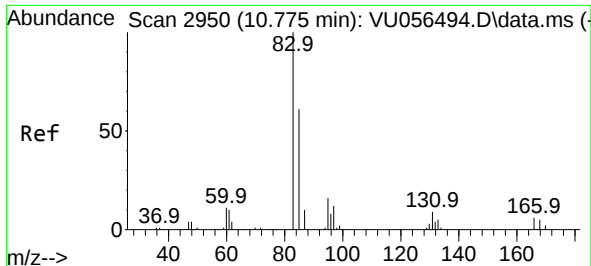
Tgt Ion:104 Resp: 312872

Ion Ratio Lower Upper

104 100

78 48.5 34.2 63.6

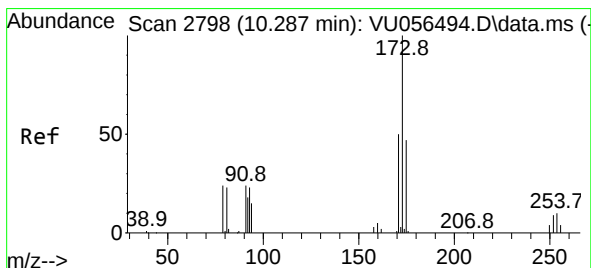
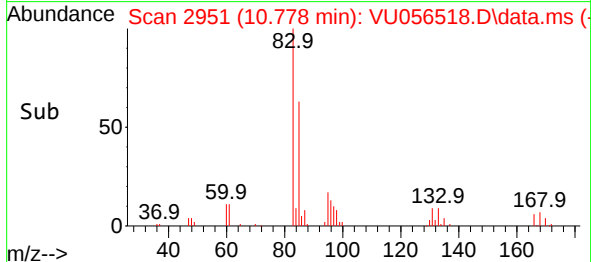
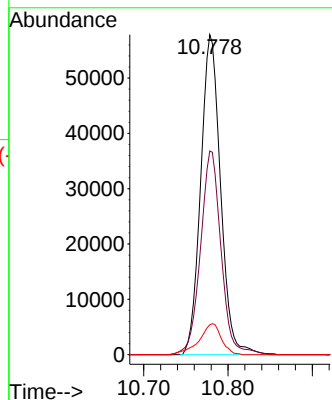
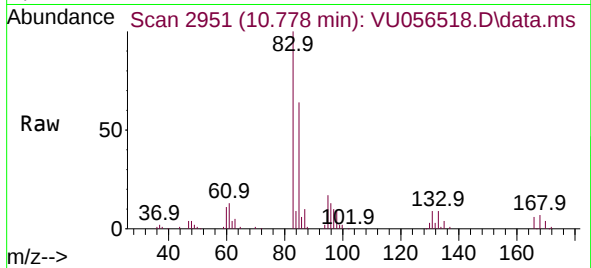




#57
1,1,2,2-Tetrachloroethane
Concen: 5.828 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

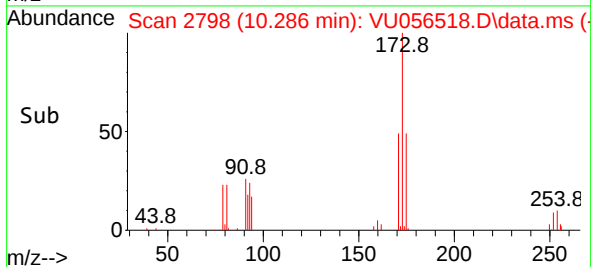
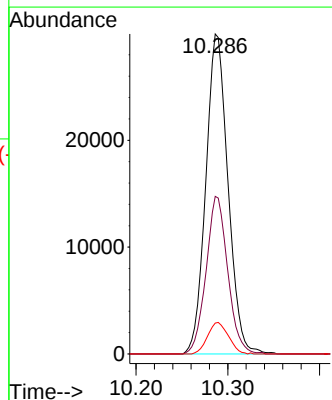
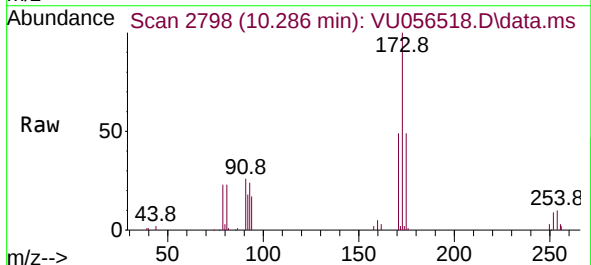
Instrument :
MSVOA_U
ClientSampleId :

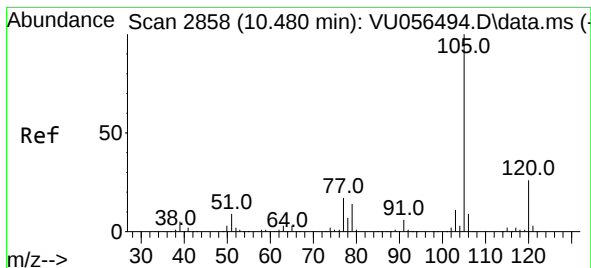
Tgt Ion: 83 Resp: 94980
Ion Ratio Lower Upper
83 100
85 63.7 46.3 86.1
131 9.3 6.7 10.1



#59
Bromoform
Concen: 5.751 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

Tgt Ion: 173 Resp: 50280
Ion Ratio Lower Upper
173 100
175 48.0 38.9 58.3
254 9.3 6.7 10.1





#60

Isopropylbenzene

Concen: 5.595 ug/L

RT: 10.479 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :

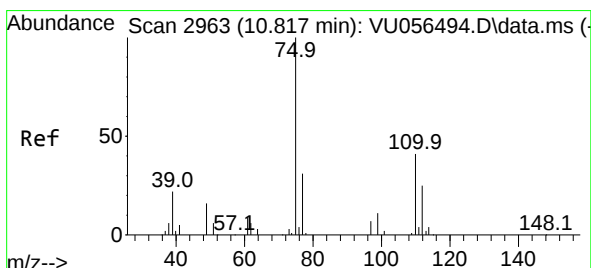
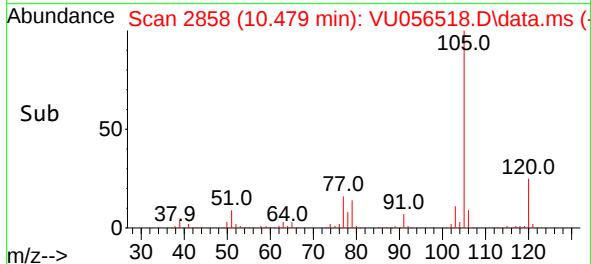
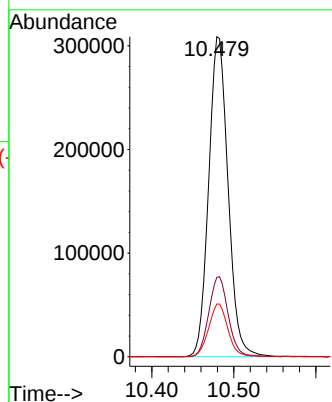
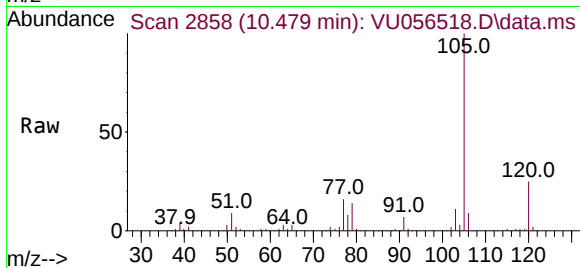
Tgt Ion:105 Resp: 506421

Ion Ratio Lower Upper

105 100

120 25.0 20.4 30.6

77 16.4 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.469 ug/L

RT: 10.820 min Scan# 2964

Delta R.T. 0.003 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

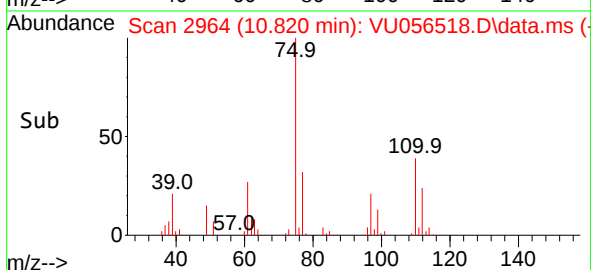
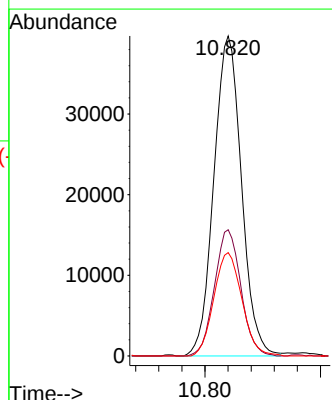
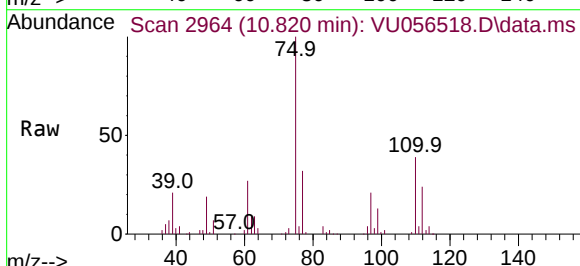
Tgt Ion: 75 Resp: 65863

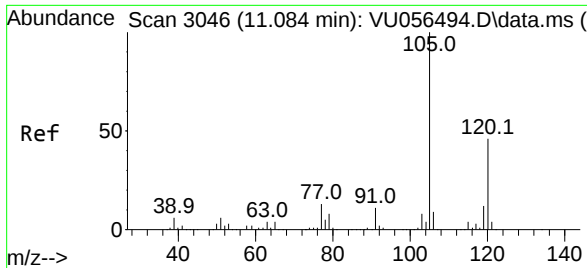
Ion Ratio Lower Upper

75 100

110 37.7 30.4 45.6

77 32.8 27.0 40.6

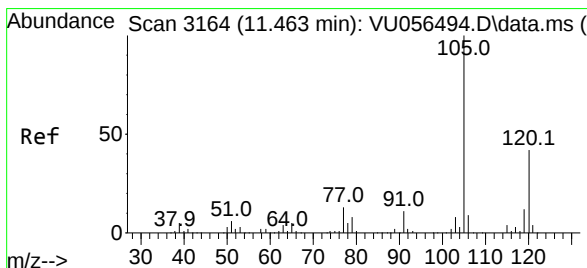
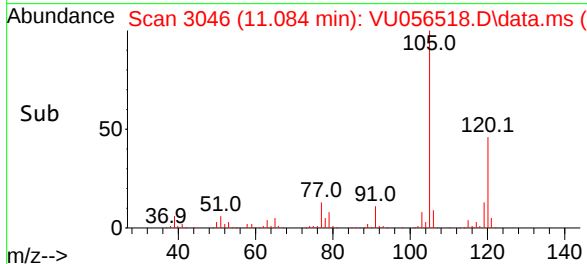
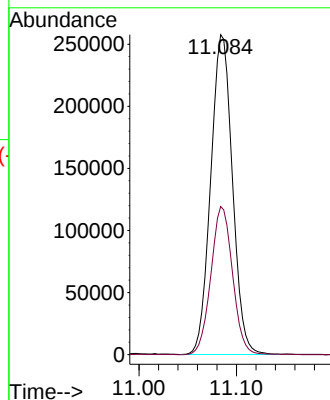
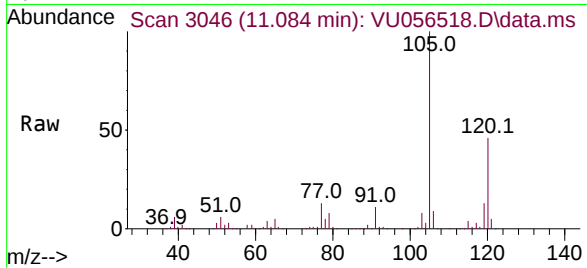




#62
 1,3,5-Trimethylbenzene
 Concen: 5.366 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. -0.000 min
 Lab File: VU056518.D
 Acq: 20 Nov 2023 09:17

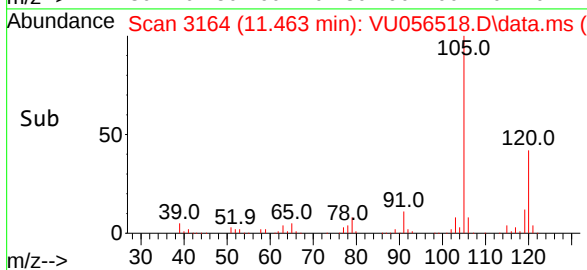
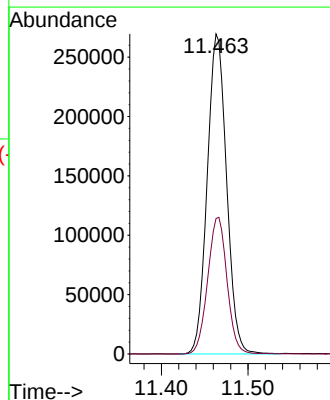
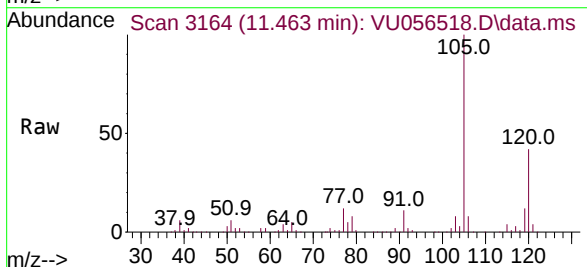
Instrument :
 MSVOA_U
 ClientSampleId :

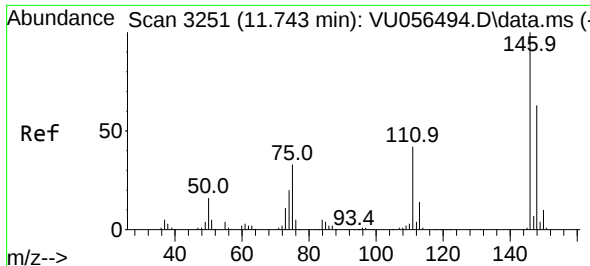
Tgt Ion:105 Resp: 398841
 Ion Ratio Lower Upper
 105 100
 120 46.2 37.2 55.8



#63
 1,2,4-Trimethylbenzene
 Concen: 5.703 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VU056518.D
 Acq: 20 Nov 2023 09:17

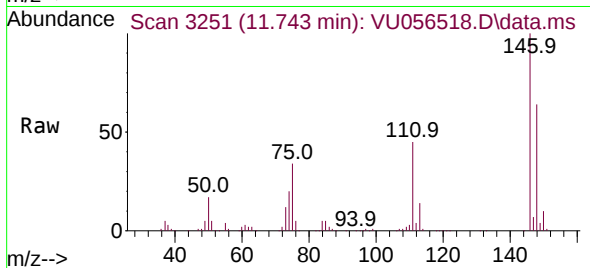
Tgt Ion:105 Resp: 418425
 Ion Ratio Lower Upper
 105 100
 120 42.7 34.0 51.0



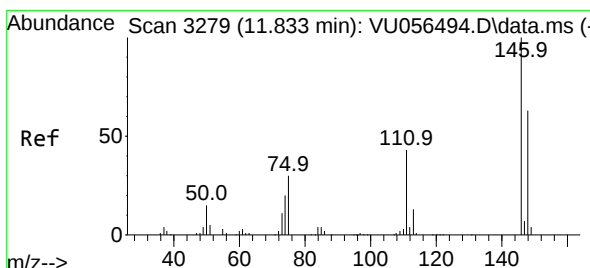
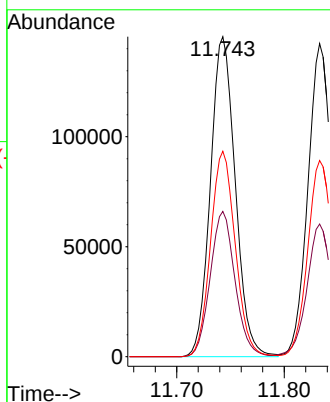
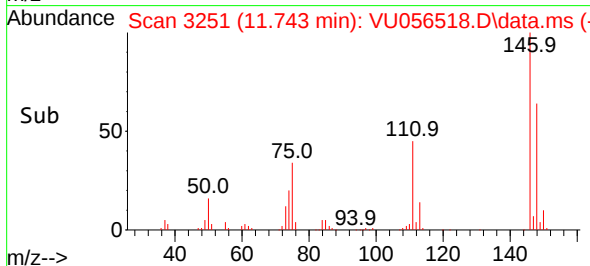


#64
1,3-Dichlorobenzene
Concen: 5.669 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

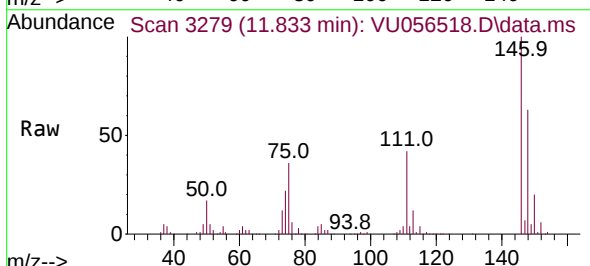
Instrument :
MSVOA_U
ClientSampleId :



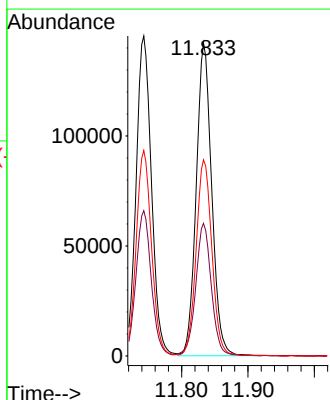
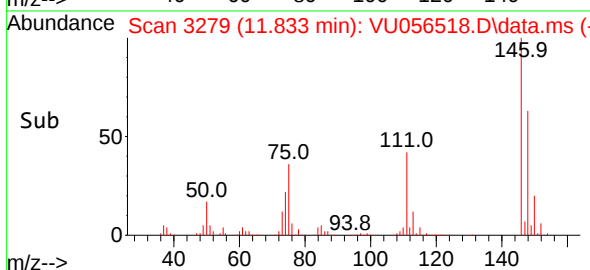
Tgt Ion:146 Resp: 233423
Ion Ratio Lower Upper
146 100
111 45.4 31.1 57.7
148 64.2 45.1 83.9

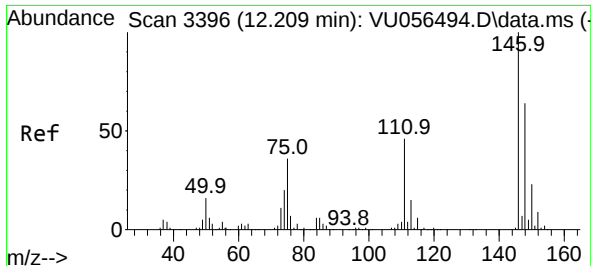


#65
1,4-Dichlorobenzene
Concen: 5.585 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17



Tgt Ion:146 Resp: 230658
Ion Ratio Lower Upper
146 100
111 42.4 30.5 56.7
148 62.6 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.546 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :

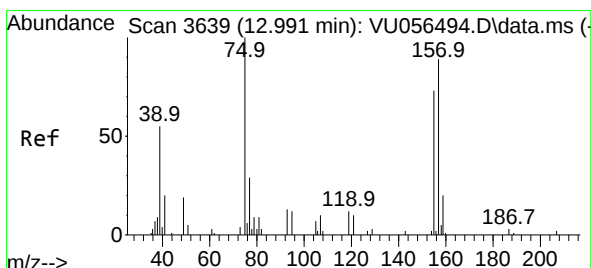
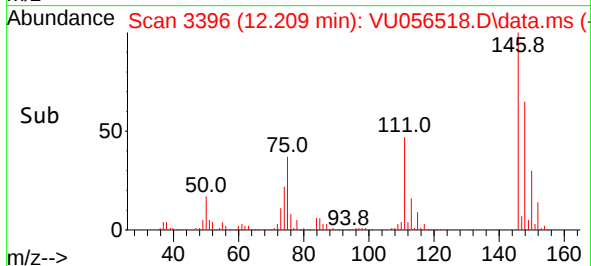
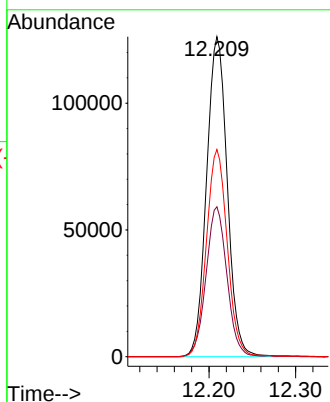
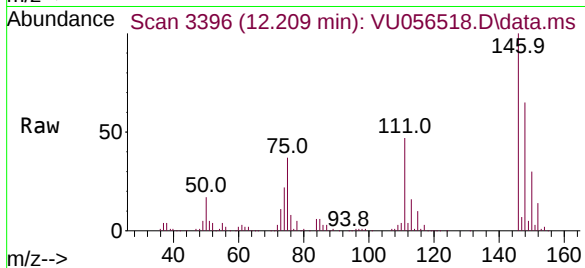
Tgt Ion:146 Resp: 209492

Ion Ratio Lower Upper

146 100

111 46.9 38.3 57.5

148 64.7 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.902 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

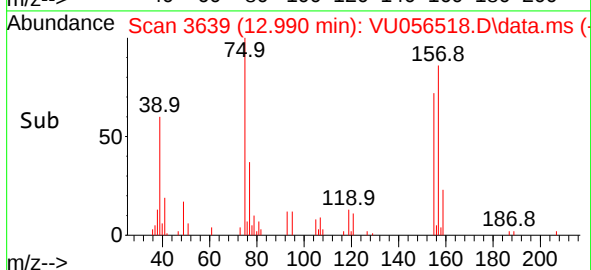
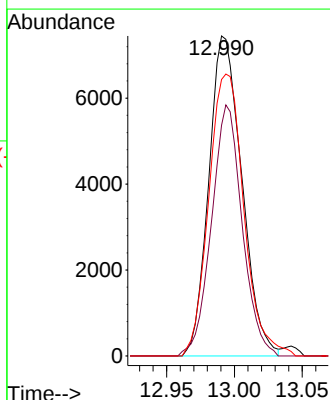
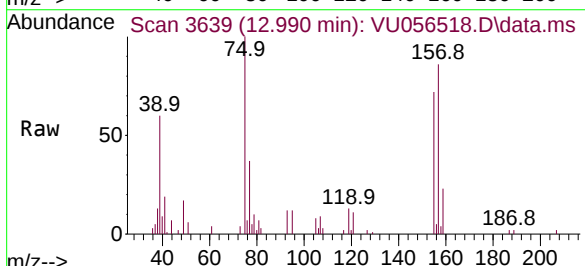
Tgt Ion: 75 Resp: 12611

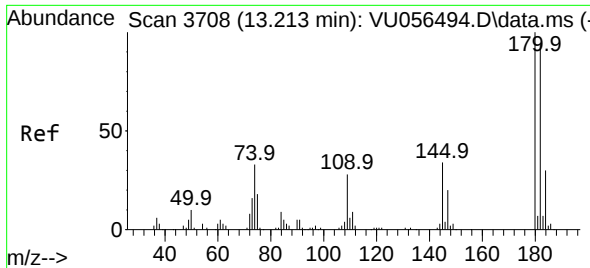
Ion Ratio Lower Upper

75 100

155 72.1 62.4 93.6

157 86.4 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 5.398 ug/L

RT: 13.216 min Scan# 3708

Delta R.T. -0.000 min

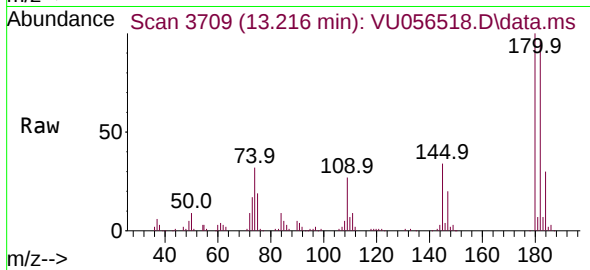
Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 167340

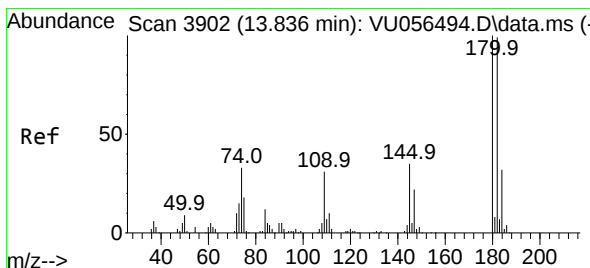
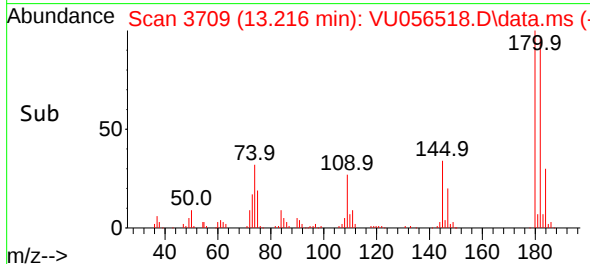
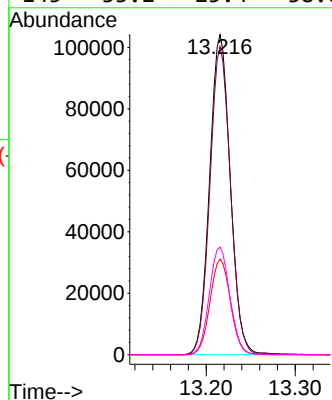
Ion Ratio Lower Upper

180 100

182 96.0 75.1 112.7

184 29.9 23.5 35.3

145 33.2 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 4.814 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU056518.D

Acq: 20 Nov 2023 09:17

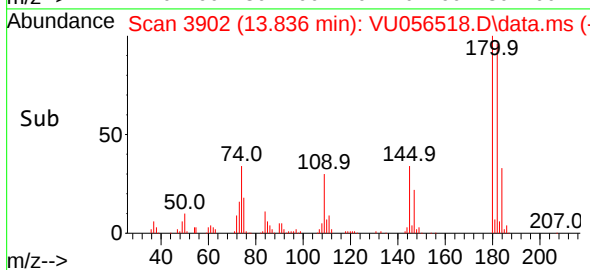
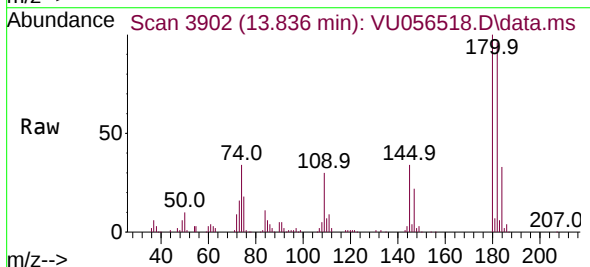
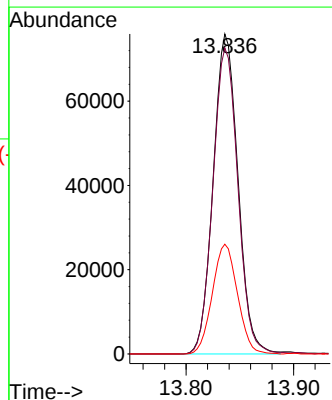
Tgt Ion:180 Resp: 121559

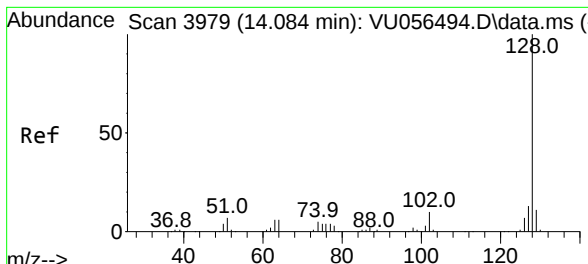
Ion Ratio Lower Upper

180 100

182 96.4 75.4 113.2

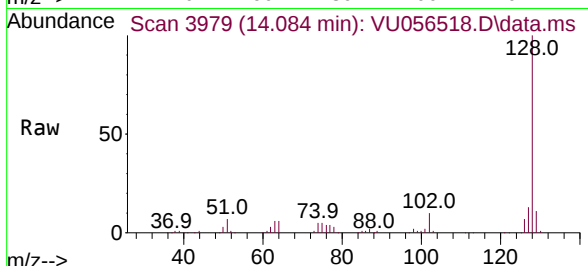
145 34.8 26.8 40.2



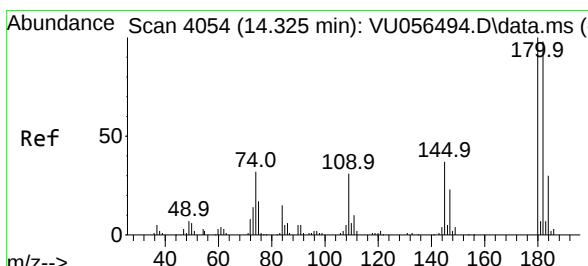
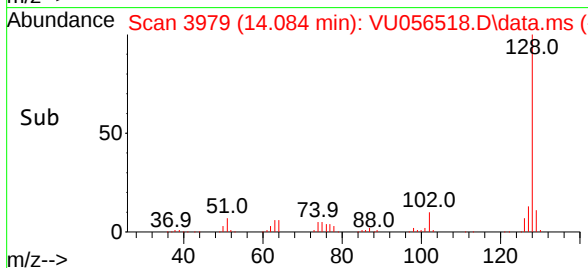
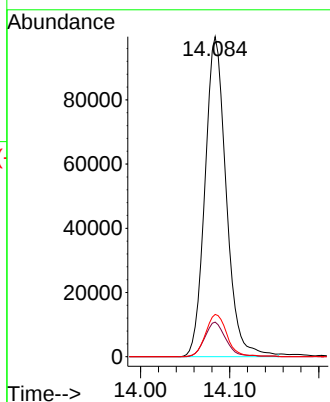


#71
Naphthalene
Concen: 4.322 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	164872
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.3	10.3	15.5



#72
1,2,3-Trichlorobenzene
Concen: 4.813 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU056518.D
Acq: 20 Nov 2023 09:17

Tgt Ion:	180	Resp:	100120
Ion	Ratio	Lower	Upper
180	100		
182	95.0	78.6	117.8
145	34.7	29.0	43.6

