

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112023\
 Data File : VU056528.D
 Acq On : 20 Nov 2023 15:38
 Operator : MD/SY
 Sample : 05455-09MS
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 00:41:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 21 00:36:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	256001	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	248865	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	135986	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	120297	6.282	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.600%
7) Chloroethane-d5	1.908	69	82785	5.639	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.800%
11) 1,1-Dichloroethene-d2	2.564	65	51351	6.077	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	121.600%
20) 2-Butanone-d5	4.618	46	224904	58.904	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.800%
24) Chloroform-d	5.056	84	223217	6.027	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.600%
26) 1,2-Dichloroethane-d4	5.695	65	104341	6.097	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	122.000%
32) Benzene-d6	5.721	84	435874	5.879	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.600%
36) 1,2-Dichloropropane-d6	6.686	67	134928	6.038	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	120.800%
41) Toluene-d8	7.891	98	407929	6.230	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	124.600%
43) trans-1,3-Dichloroprop...	8.174	79	52161	6.086	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	121.800%
46) 2-Hexanone-d5	8.628	63	206509	61.314	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.620%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	94211	5.900	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	138615	5.518	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	91941	4.533	ug/L	96
3) Chloromethane	1.516	50	94100	4.540	ug/L	99
5) Vinyl chloride	1.602	62	94223	4.718	ug/L	97
6) Bromomethane	1.853	94	39855	3.943	ug/L	99
8) Chloroethane	1.930	64	54761	4.489	ug/L	93
9) Trichlorofluoromethane	2.136	101	147804	5.136	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.577	101	88929	5.205	ug/L	99
12) 1,1-Dichloroethene	2.577	96	78340	4.999	ug/L	94
13) Acetone	2.628	43	104067	32.002	ug/L	98
14) Carbon disulfide	2.789	76	216972	4.255	ug/L	99
15) Methyl Acetate	2.946	43	26967	4.660	ug/L	99
16) Methylene chloride	3.040	84	90460	4.362	ug/L	99
17) Methyl tert-butyl Ether	3.355	73	188677	4.955	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	79564	4.935	ug/L	94
19) 1,1-Dichloroethane	3.863	63	165069	5.168	ug/L	97
21) 2-Butanone	4.699	43	176637	41.860	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	93107	5.092	ug/L	96
23) Bromochloromethane	4.969	128	38353	5.096	ug/L	95
25) Chloroform	5.078	83	276177	7.981	ug/L	97

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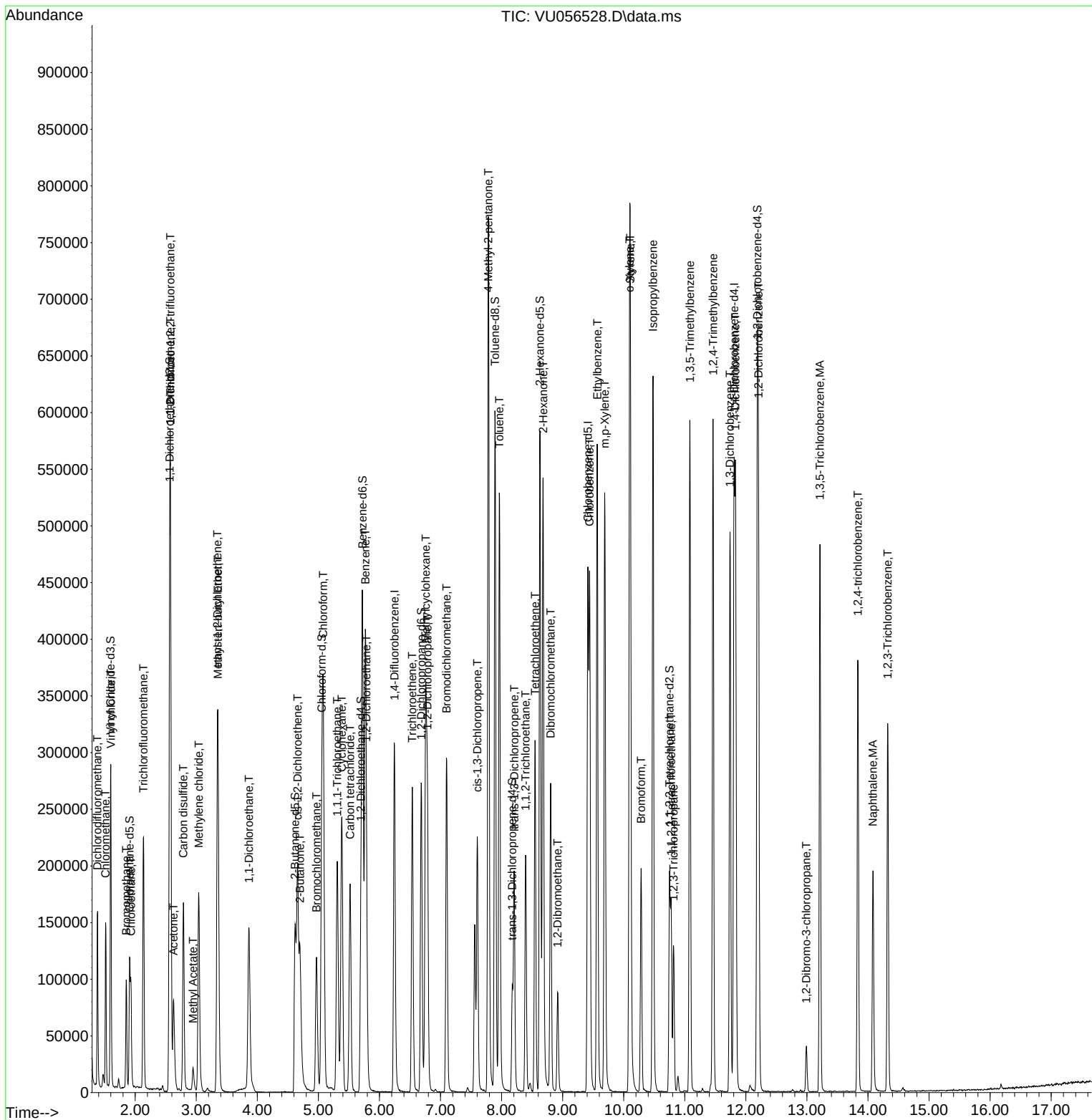
Instrument :
 MSVOA_U
 ClientSampleId :

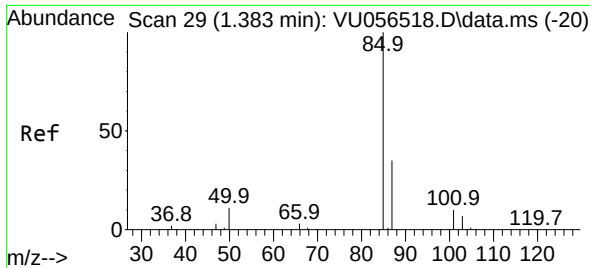
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	105673	5.378	ug/L	99
29) 1,1,1-Trichloroethane	5.310	97	152529	5.339	ug/L	99
30) Cyclohexane	5.384	56	121386	4.477	ug/L	99
31) Carbon tetrachloride	5.519	117	128473	5.236	ug/L	98
33) Benzene	5.769	78	354116	4.987	ug/L	100
34) Trichloroethene	6.538	95	97643	5.047	ug/L	97
35) Methylcyclohexane	6.756	83	132185	4.732	ug/L	98
37) 1,2-Dichloropropane	6.785	63	99011	5.347	ug/L	100
38) Bromodichloromethane	7.097	83	195869	8.193	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	140494	5.163	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	475784	51.831	ug/L	99
42) Toluene	7.962	91	394661	5.368	ug/L	99
44) trans-1,3-Dichloropropene	8.207	75	111605	5.145	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	66404	5.384	ug/L	97
47) Tetrachloroethene	8.547	164	67503	5.174	ug/L	97
48) 2-Hexanone	8.679	43	330103	46.160	ug/L	99
49) Dibromochloromethane	8.801	129	140209	9.997	ug/L	93
50) 1,2-Dibromoethane	8.917	107	59200	5.085	ug/L	93
51) Chlorobenzene	9.441	112	243149	5.147	ug/L	95
52) Ethylbenzene	9.567	91	418832	5.130	ug/L	99
53) m,p-Xylene	9.689	106	152647	5.086	ug/L	97
54) o-Xylene	10.097	106	149397	5.125	ug/L	99
55) Styrene	10.110	104	234916	4.844	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.776	83	81152	5.389	ug/L	98
59) Bromoform	10.284	173	88468	10.444	ug/L	98
60) Isopropylbenzene	10.480	105	418876	4.776	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	53962	4.625	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	328753	4.566	ug/L	100
63) 1,2,4-Trimethylbenzene	11.464	105	334370	4.704	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	202312	5.071	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	198859	4.970	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	183929	5.026	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.988	75	11369	4.562	ug/L	91
69) 1,3,5-Trichlorobenzene	13.213	180	142320	4.738	ug/L	97
70) 1,2,4-trichlorobenzene	13.833	180	111123	4.542	ug/L	99
71) Naphthalene	14.081	128	161498	4.369	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	96083	4.768	ug/L	99

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

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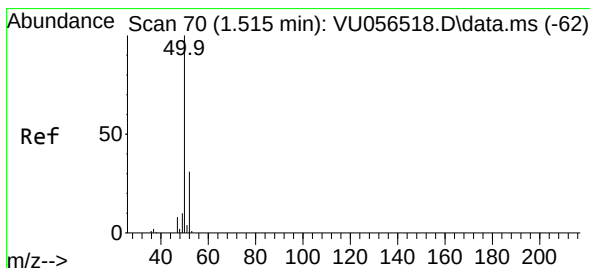
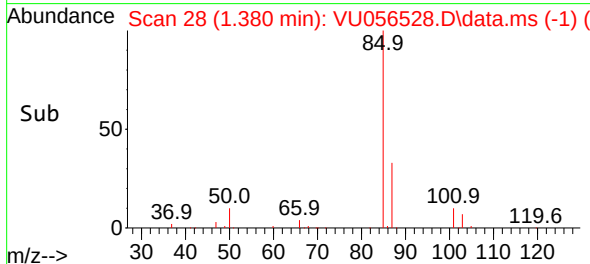
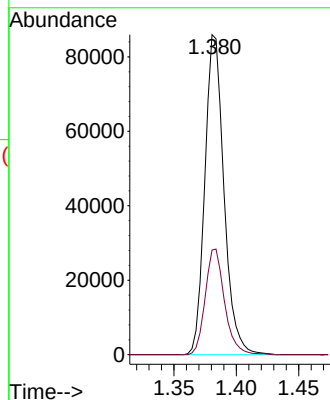
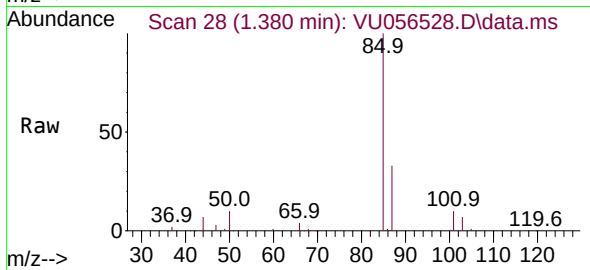




#2
Dichlorodifluoromethane
Concen: 4.533 ug/L
RT: 1.380 min Scan# 29
Delta R.T. -0.003 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

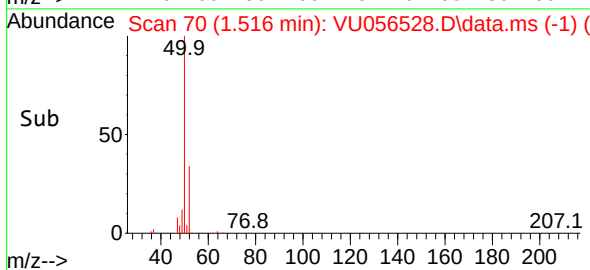
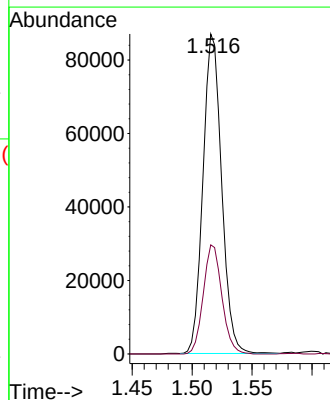
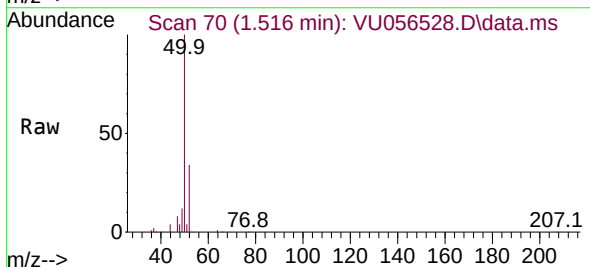
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MSVOA_U
ClientSampleId :

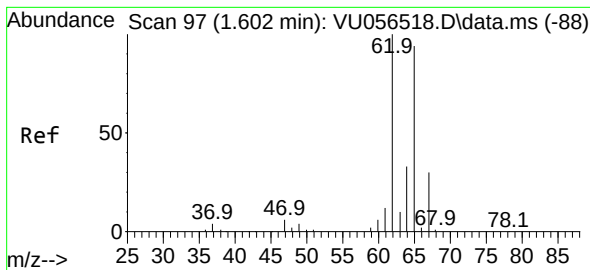
Tgt Ion: 85 Resp: 91941
Ion Ratio Lower Upper
85 100
87 33.3 25.0 37.4



#3
Chloromethane
Concen: 4.540 ug/L
RT: 1.516 min Scan# 70
Delta R.T. 0.001 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Tgt Ion: 50 Resp: 94100
Ion Ratio Lower Upper
50 100
52 34.1 24.3 45.1





#5

Vinyl chloride

Concen: 4.718 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.001 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

Instrument :

MSVOA_U

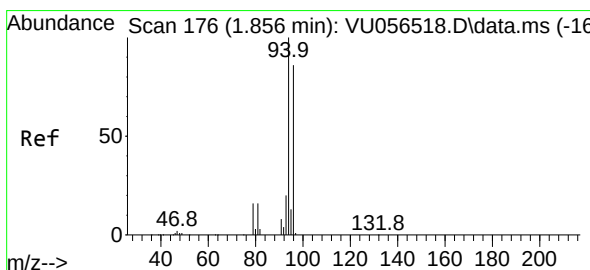
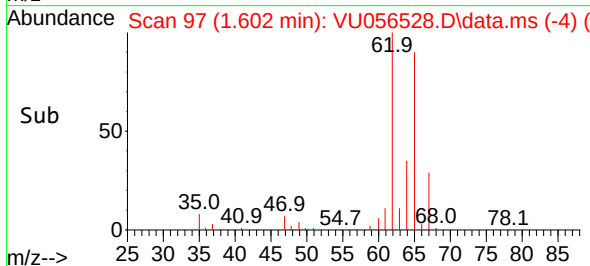
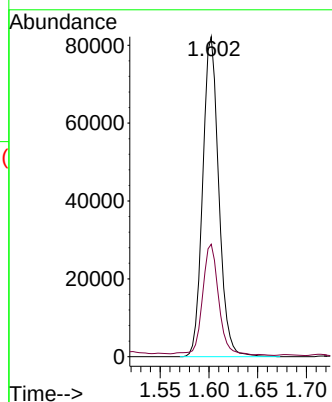
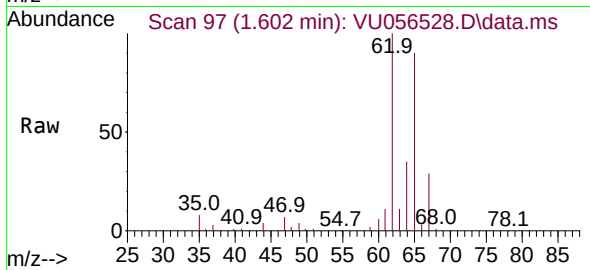
ClientSampleId :

Tgt Ion: 62 Resp: 94223

Ion Ratio Lower Upper

62 100

64 35.1 23.3 43.3



#6

Bromomethane

Concen: 3.943 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.003 min

Lab File: VU056528.D

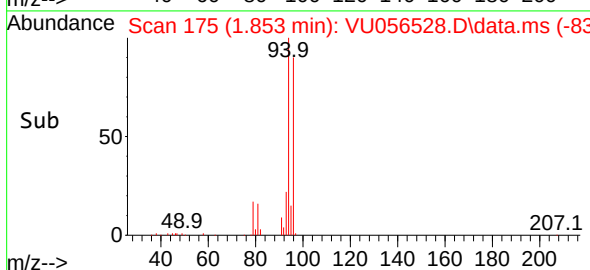
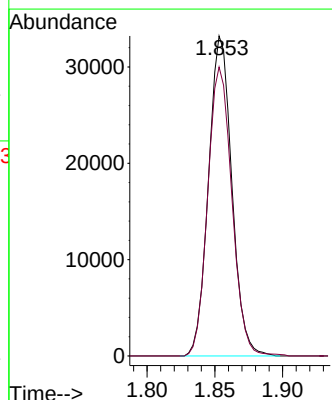
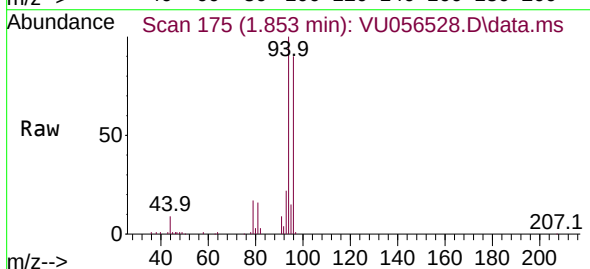
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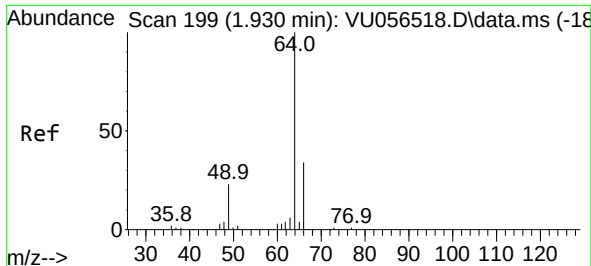
Tgt Ion: 94 Resp: 39855

Ion Ratio Lower Upper

94 100

96 90.3 62.6 116.2

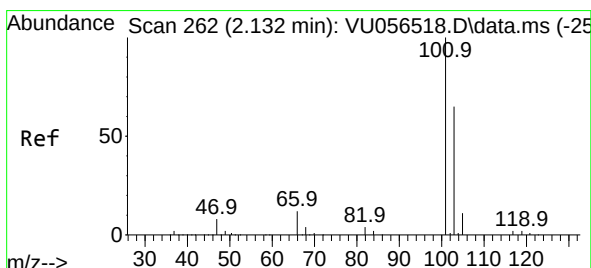
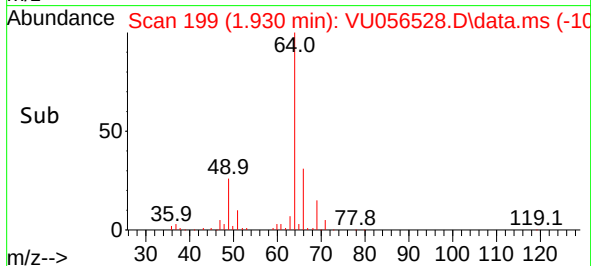
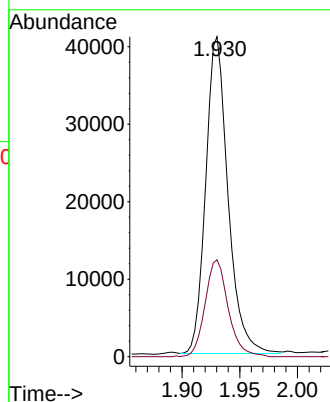
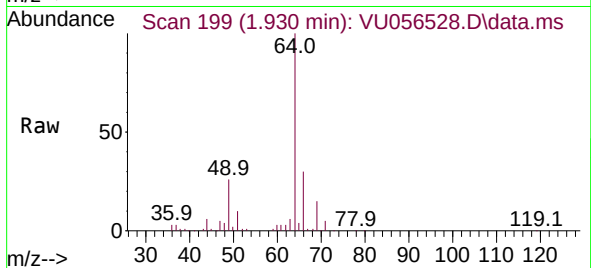




#8
Chloroethane
Concen: 4.489 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.001 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

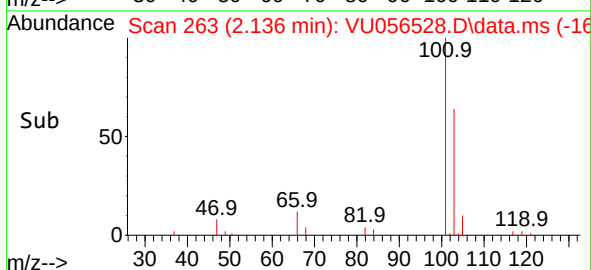
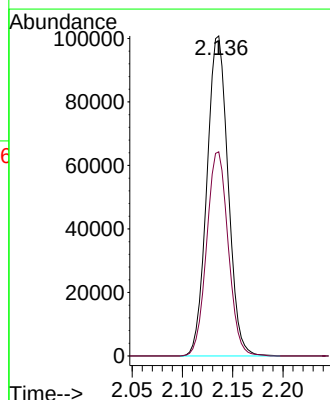
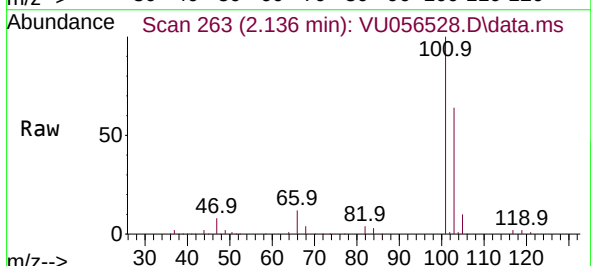
Instrument :
MSVOA_U
ClientSampleId :

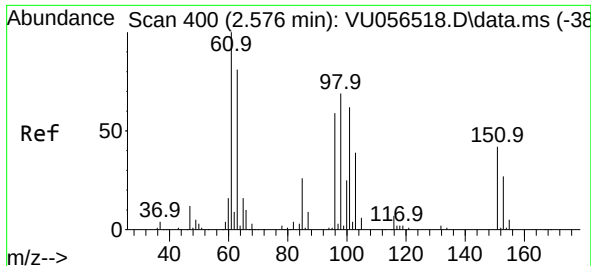
Tgt Ion: 64 Resp: 54761
Ion Ratio Lower Upper
64 100
66 30.3 23.9 44.5



#9
Trichlorofluoromethane
Concen: 5.136 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.004 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Tgt Ion:101 Resp: 147804
Ion Ratio Lower Upper
101 100
103 64.7 52.0 78.0

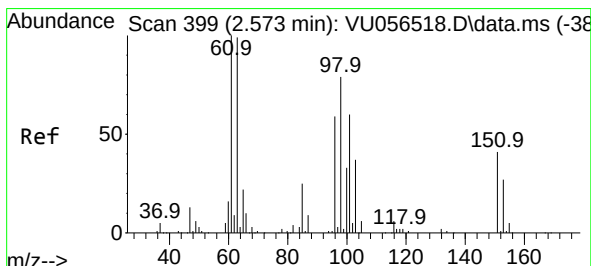
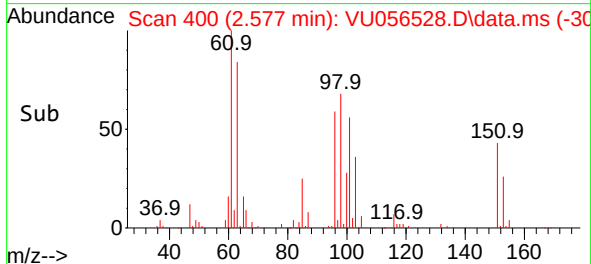
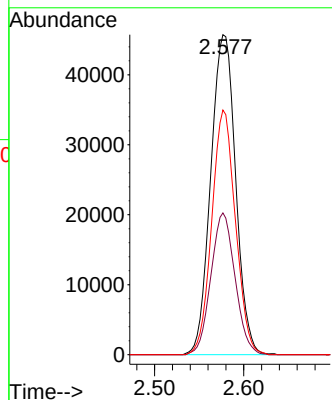
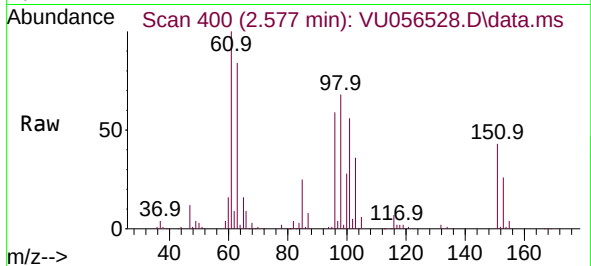




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.205 ug/L
 RT: 2.577 min Scan# 400
 Delta R.T. 0.001 min
 Lab File: VU056528.D
 Acq: 20 Nov 2023 15:38

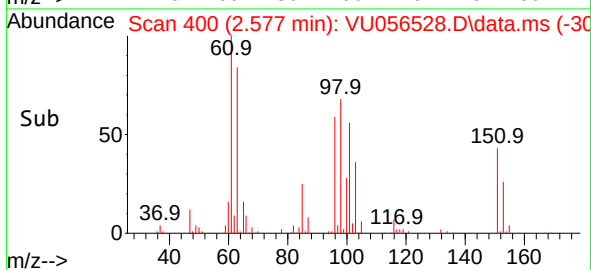
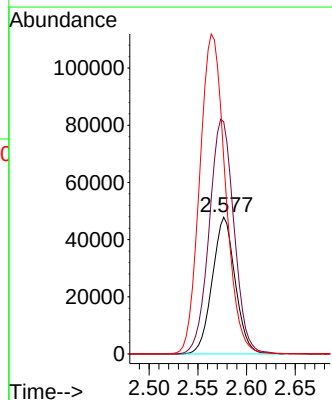
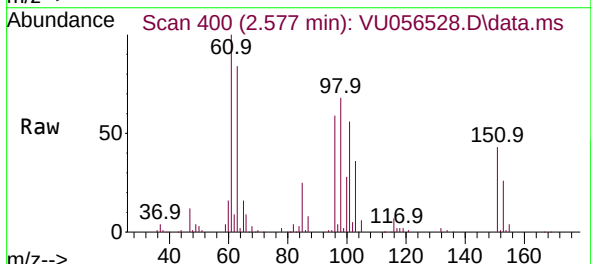
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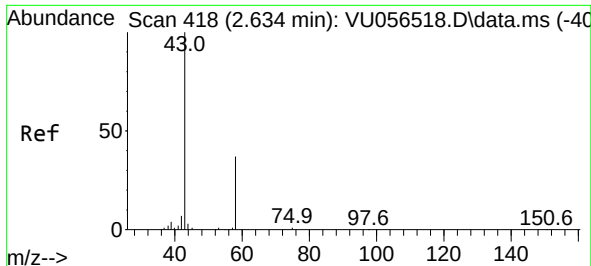
Tgt Ion:101 Resp: 88929
 Ion Ratio Lower Upper
 101 100
 85 42.9 35.4 53.0
 151 72.7 58.0 87.0



#12
 1,1-Dichloroethene
 Concen: 4.999 ug/L
 RT: 2.577 min Scan# 400
 Delta R.T. 0.004 min
 Lab File: VU056528.D
 Acq: 20 Nov 2023 15:38

Tgt Ion: 96 Resp: 78340
 Ion Ratio Lower Upper
 96 100
 61 169.8 123.1 228.7
 63 143.1 93.3 173.3





#13

Acetone

Concen: 32.002 ug/L

RT: 2.628 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

Instrument :

MSVOA_U

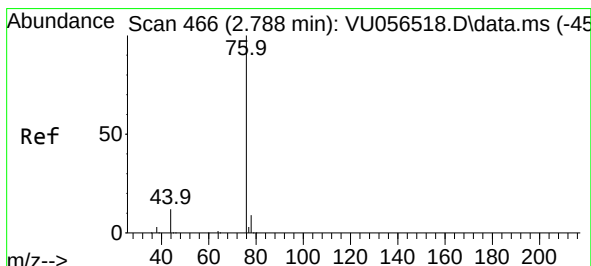
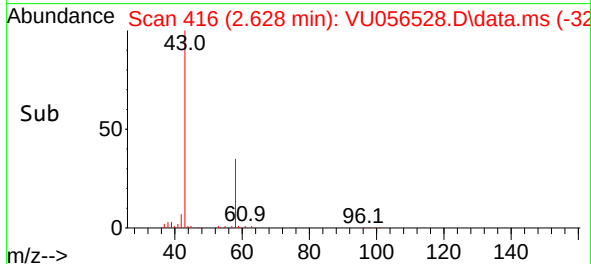
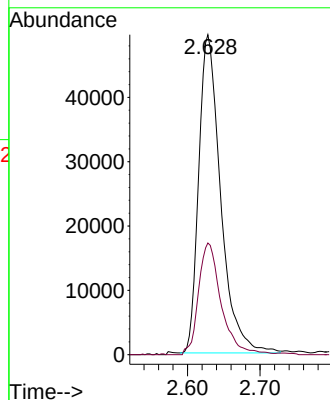
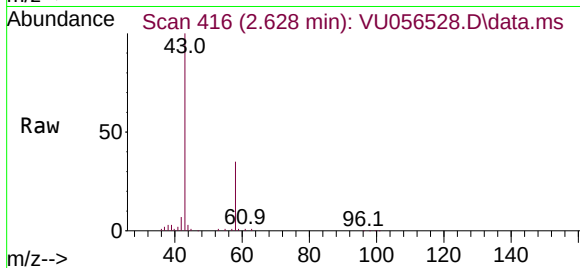
ClientSampleId :

Tgt Ion: 43 Resp: 104067

Ion Ratio Lower Upper

43 100

58 36.2 0.0 70.0



#14

Carbon disulfide

Concen: 4.255 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.001 min

Lab File: VU056528.D

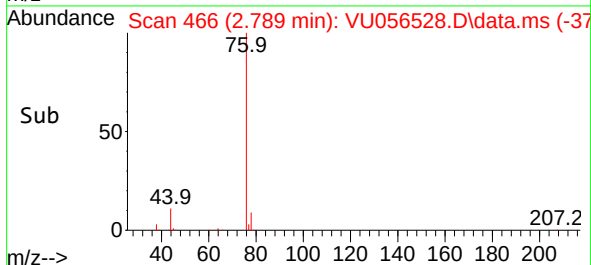
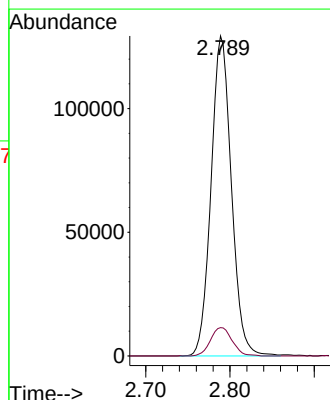
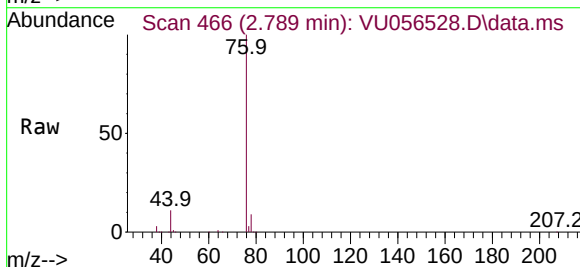
Acq: 20 Nov 2023 15:38

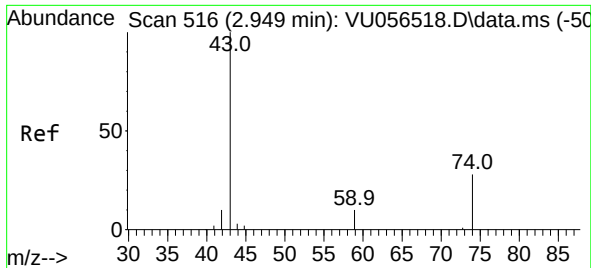
Tgt Ion: 76 Resp: 216972

Ion Ratio Lower Upper

76 100

78 8.9 6.8 10.2

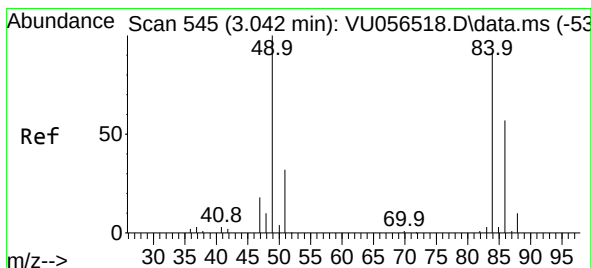
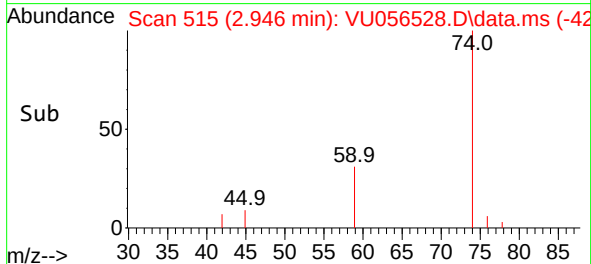
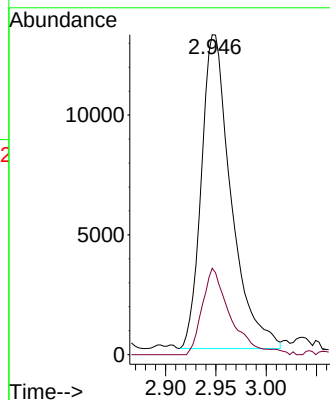
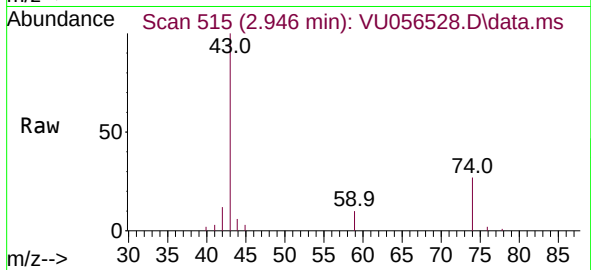




#15
Methyl Acetate
Concen: 4.660 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

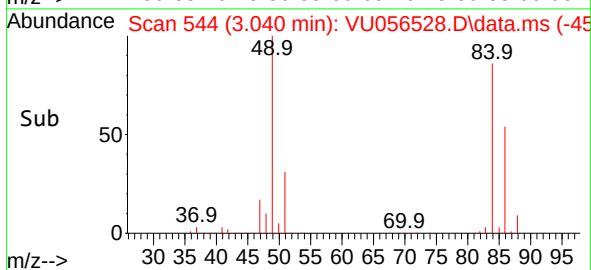
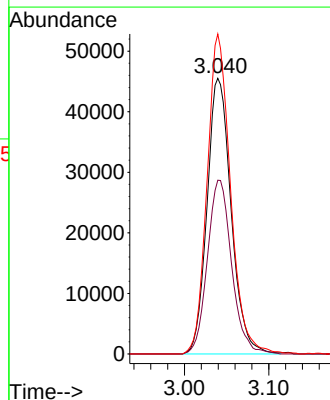
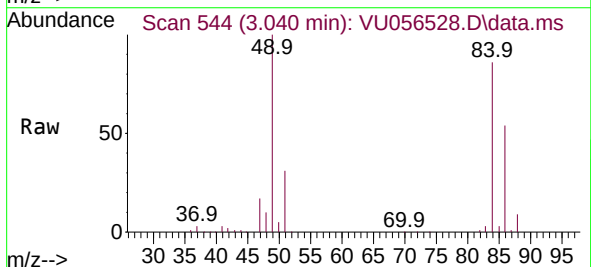
Instrument :
MSVOA_U
ClientSampleId :

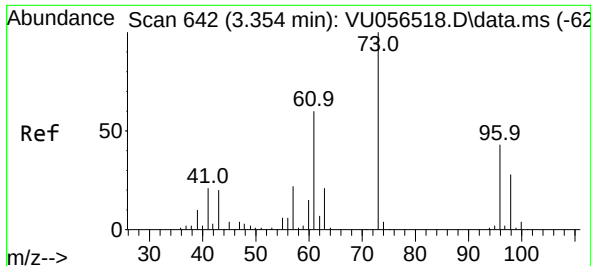
Tgt Ion: 43 Resp: 26967
Ion Ratio Lower Upper
43 100
74 26.1 20.6 31.0



#16
Methylene chloride
Concen: 4.362 ug/L
RT: 3.040 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Tgt Ion: 84 Resp: 90460
Ion Ratio Lower Upper
84 100
86 63.0 44.7 83.1
49 116.1 81.8 152.0

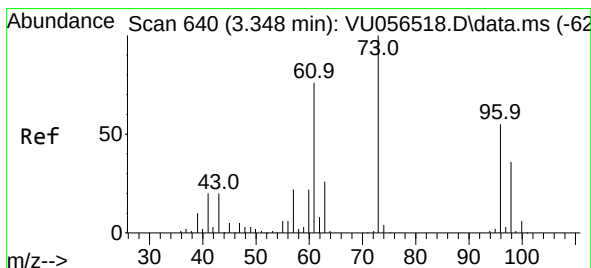
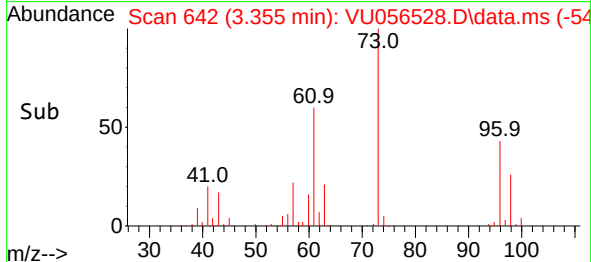
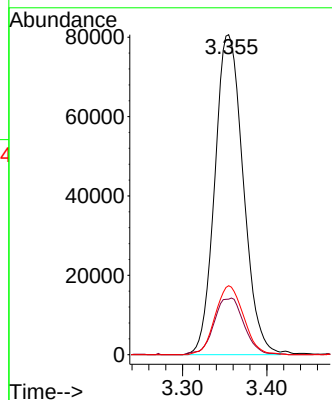
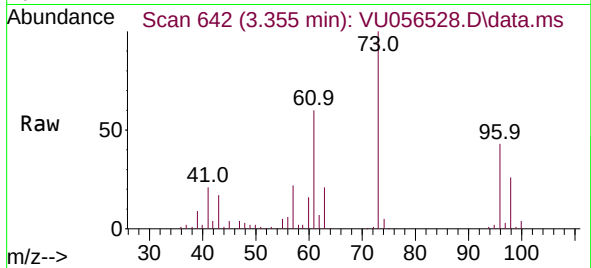




#17
Methyl tert-butyl Ether
Concen: 4.955 ug/L
RT: 3.355 min Scan# 642
Delta R.T. 0.001 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

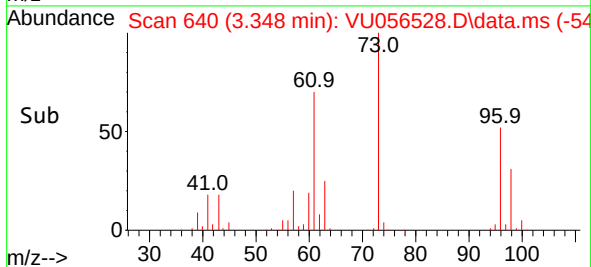
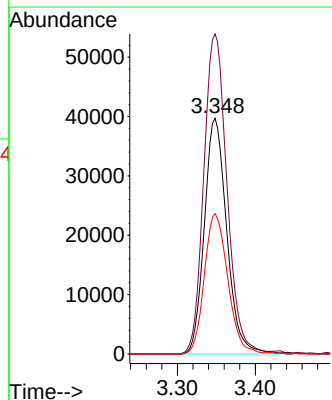
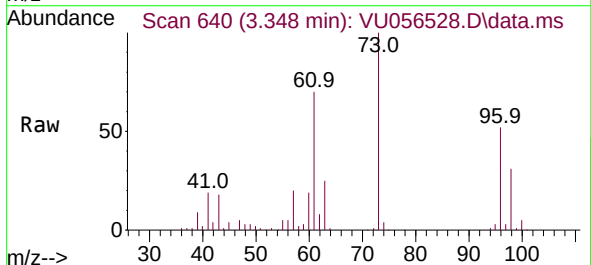
Instrument :
MSVOA_U
ClientSampleId :

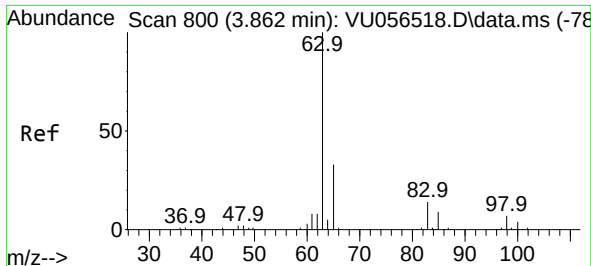
Tgt Ion: 73 Resp: 188677
Ion Ratio Lower Upper
73 100
43 18.7 15.1 22.7
57 21.6 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.935 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.001 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Tgt Ion: 96 Resp: 79564
Ion Ratio Lower Upper
96 100
61 135.8 101.7 188.9
98 59.6 43.0 80.0

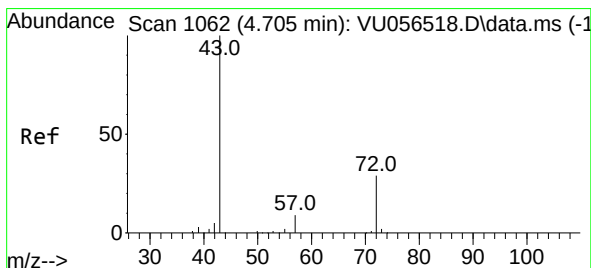
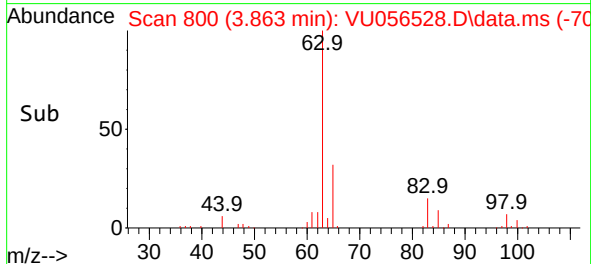
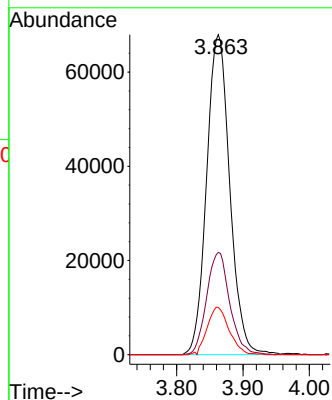
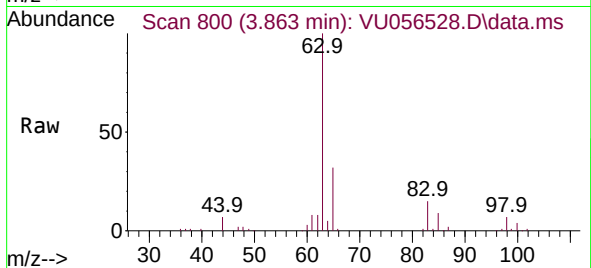




#19
1,1-Dichloroethane
Concen: 5.168 ug/L
RT: 3.863 min Scan# 80
Delta R.T. 0.001 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

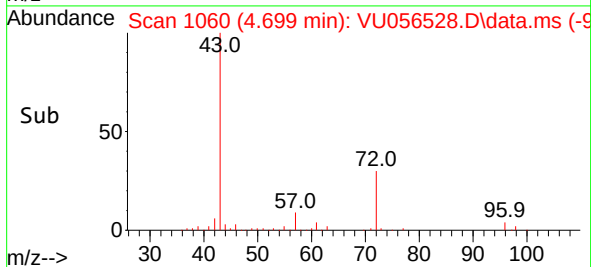
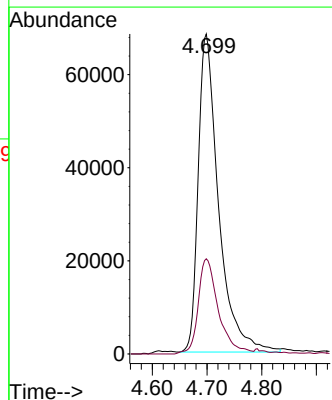
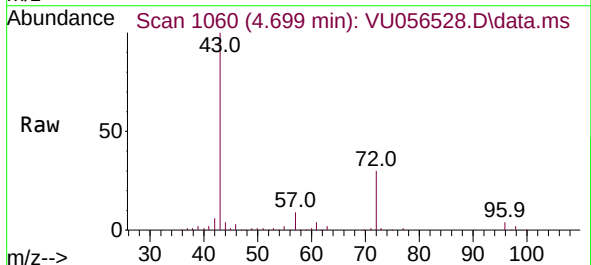
Instrument :
MSVOA_U
ClientSampleId :

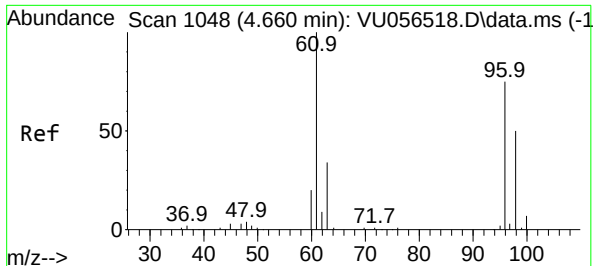
Tgt Ion: 63 Resp: 165069
Ion Ratio Lower Upper
63 100
65 32.7 21.8 40.6
83 14.8 9.7 17.9



#21
2-Butanone
Concen: 41.860 ug/L
RT: 4.699 min Scan# 1060
Delta R.T. -0.006 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Tgt Ion: 43 Resp: 176637
Ion Ratio Lower Upper
43 100
72 29.7 14.2 42.6





#22

cis-1,2-Dichloroethene

Concen: 5.092 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.001 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

Instrument :

MSVOA_U

ClientSampleId :

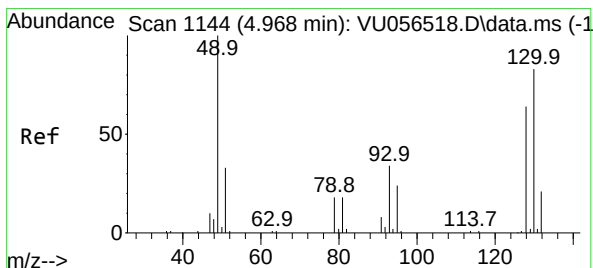
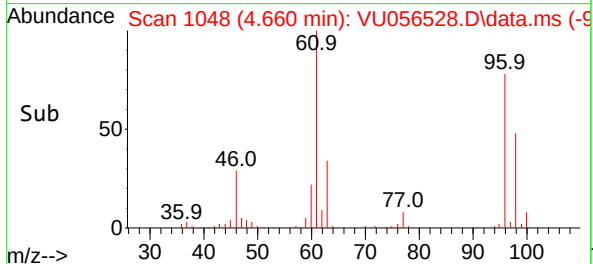
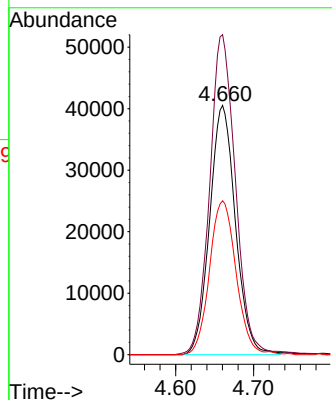
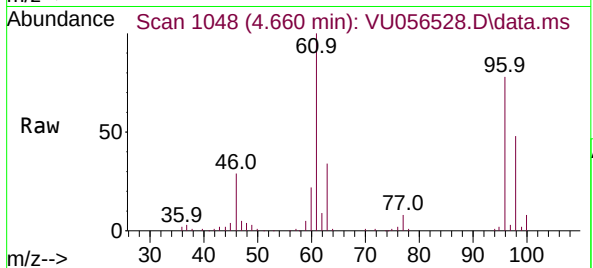
Tgt Ion: 96 Resp: 93107

Ion Ratio Lower Upper

96 100

61 128.4 93.2 173.2

98 61.8 44.8 83.2



#23

Bromochloromethane

Concen: 5.096 ug/L

RT: 4.969 min Scan# 1144

Delta R.T. 0.001 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

Tgt Ion:128 Resp: 38353

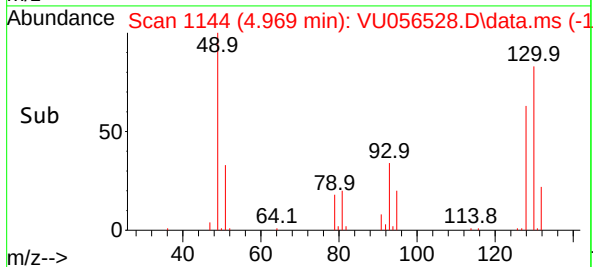
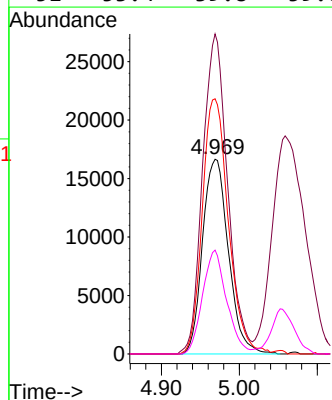
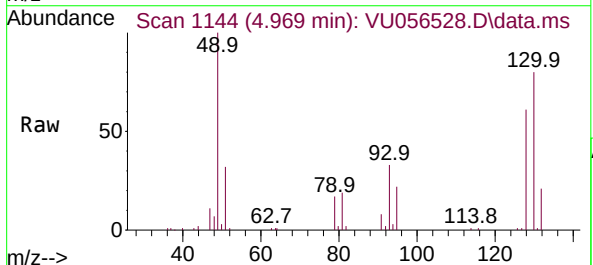
Ion Ratio Lower Upper

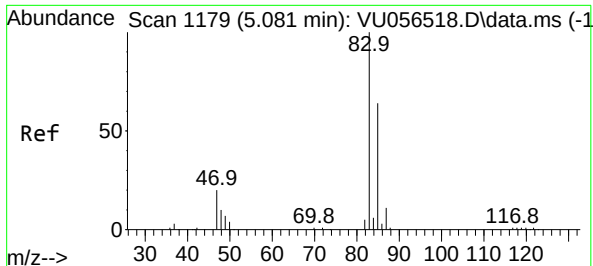
128 100

49 164.3 113.4 210.6

130 131.0 84.8 157.6

51 53.4 39.8 59.6





#25

Chloroform

Concen: 7.981 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

Instrument :

MSVOA_U

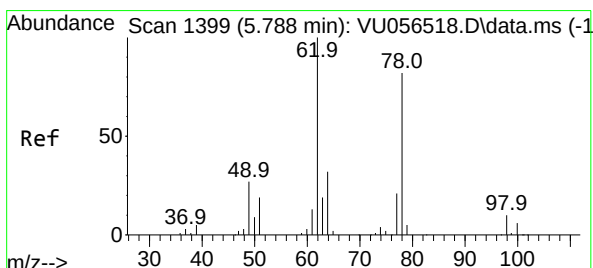
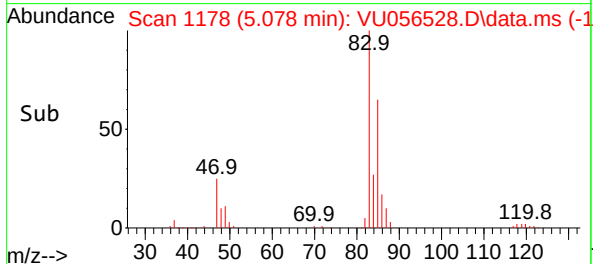
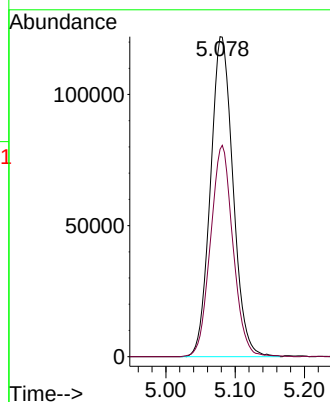
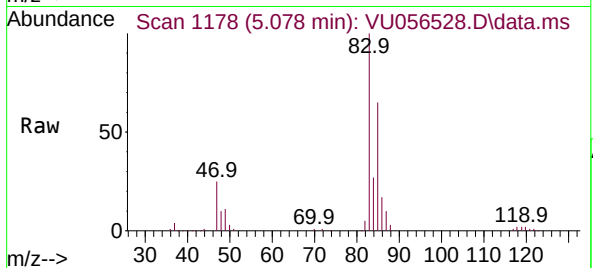
ClientSampleId :

Tgt Ion: 83 Resp: 276177

Ion Ratio Lower Upper

83 100

85 64.8 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.378 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU056528.D

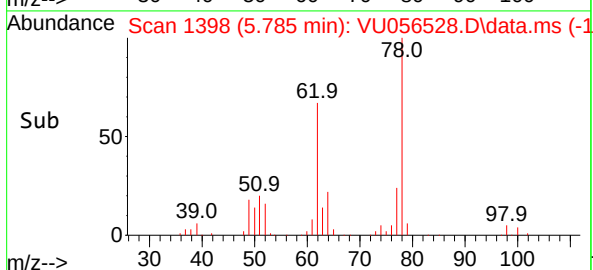
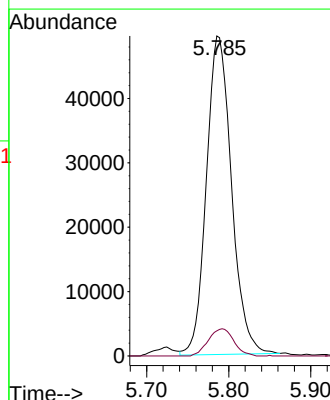
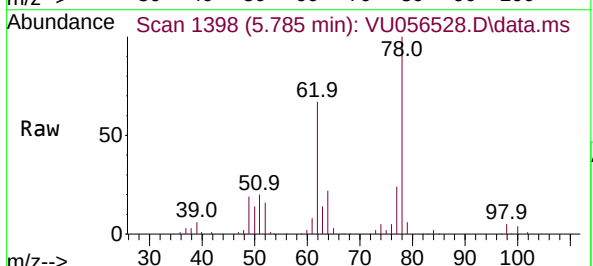
Acq: 20 Nov 2023 15:38

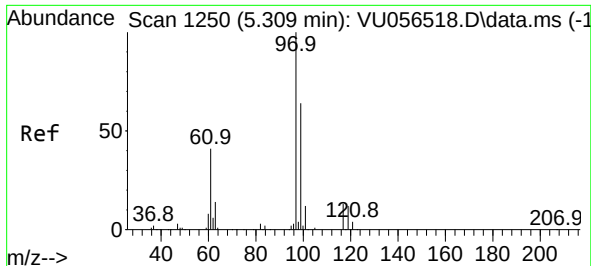
Tgt Ion: 62 Resp: 105673

Ion Ratio Lower Upper

62 100

98 7.9 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.339 ug/L

RT: 5.310 min Scan# 1

Delta R.T. 0.001 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

Instrument :

MSVOA_U

ClientSampleId :

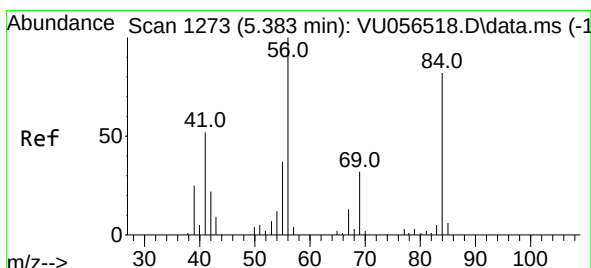
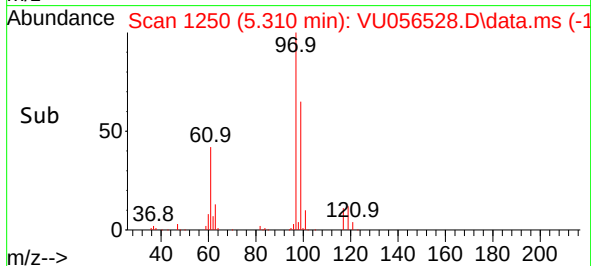
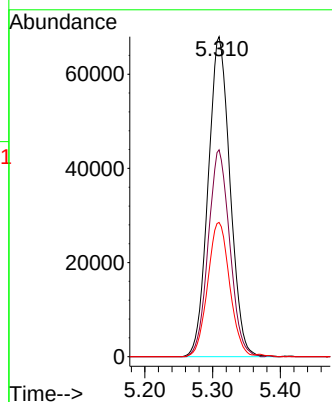
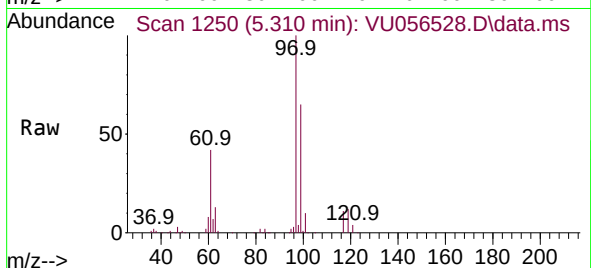
Tgt Ion: 97 Resp: 152529

Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 42.2 34.3 51.5



#30

Cyclohexane

Concen: 4.477 ug/L

RT: 5.384 min Scan# 1273

Delta R.T. 0.001 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

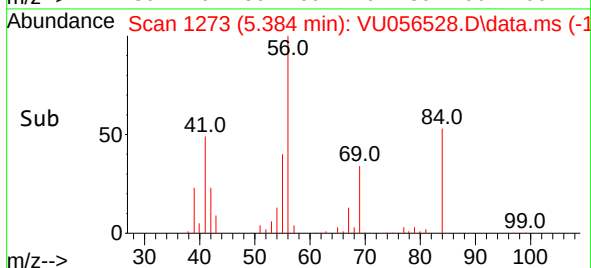
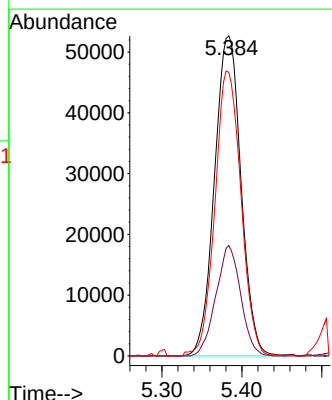
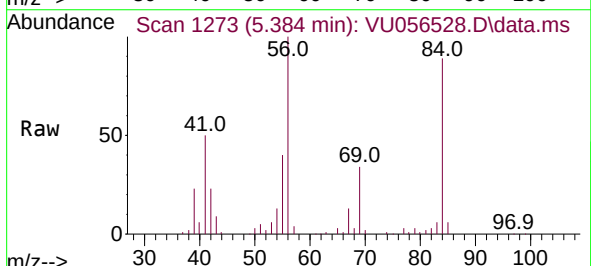
Tgt Ion: 56 Resp: 121386

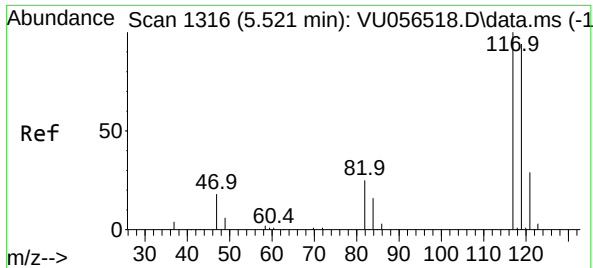
Ion Ratio Lower Upper

56 100

69 32.2 25.4 38.2

84 87.4 68.6 103.0

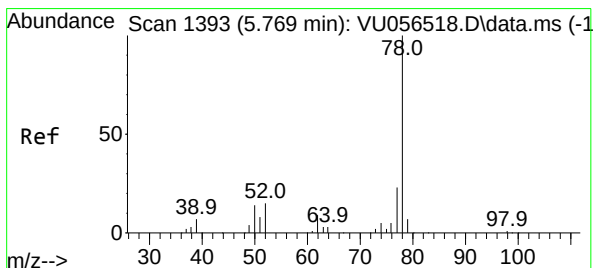
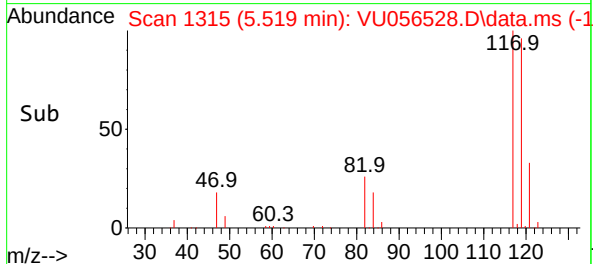
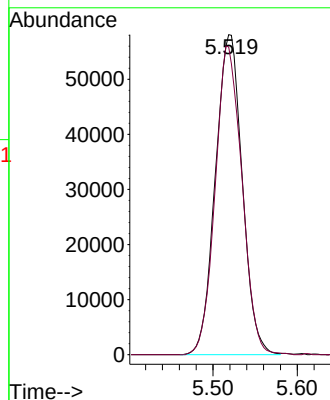
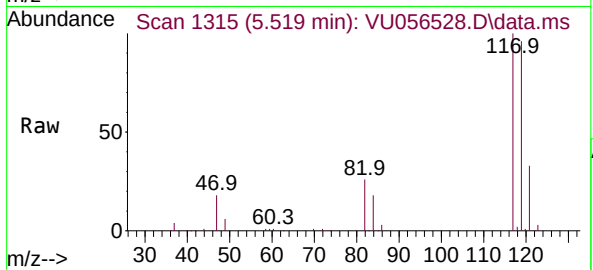




#31
Carbon tetrachloride
Concen: 5.236 ug/L
RT: 5.519 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

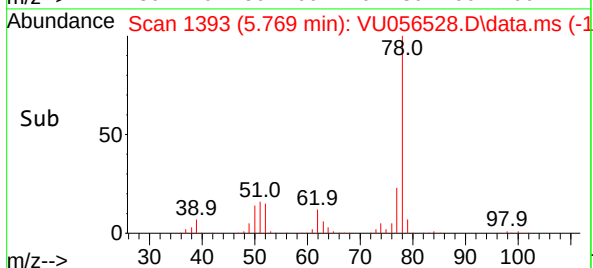
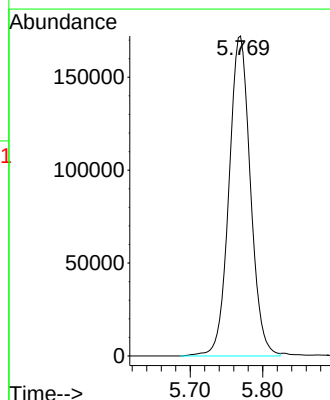
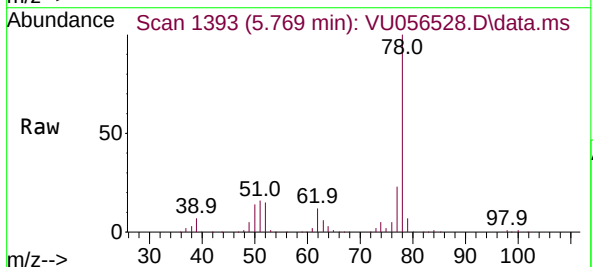
Instrument :
MSVOA_U
ClientSampleId :

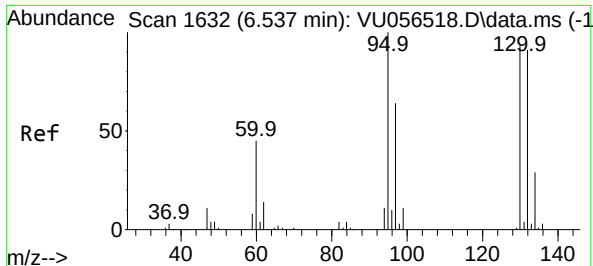
Tgt Ion:117 Resp: 128473
Ion Ratio Lower Upper
117 100
119 95.9 78.1 117.1



#33
Benzene
Concen: 4.987 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.001 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Tgt Ion: 78 Resp: 354116





#34

Trichloroethene

Concen: 5.047 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.001 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 97643

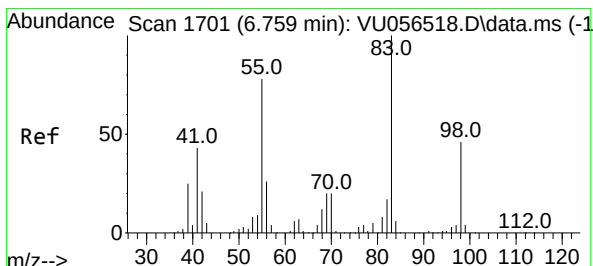
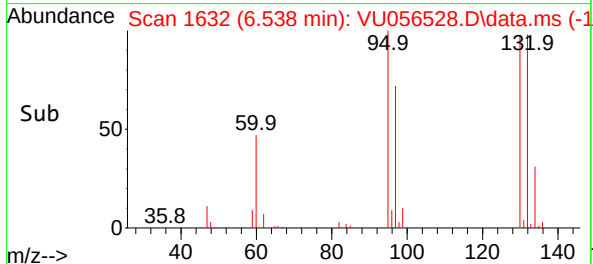
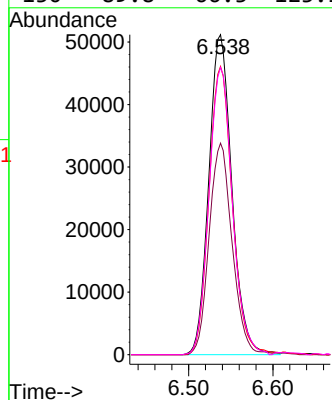
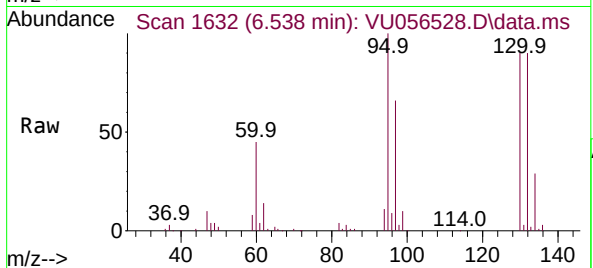
Ion Ratio Lower Upper

95 100

97 66.1 46.5 86.3

132 90.1 62.0 115.2

130 89.8 66.3 123.1



#35

Methylcyclohexane

Concen: 4.732 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

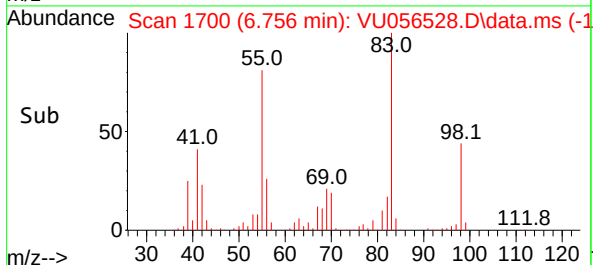
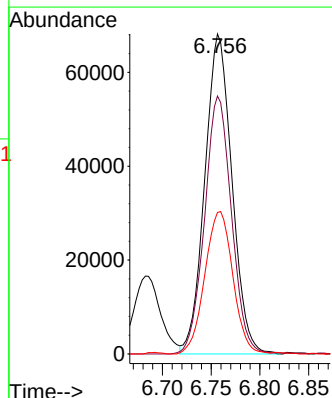
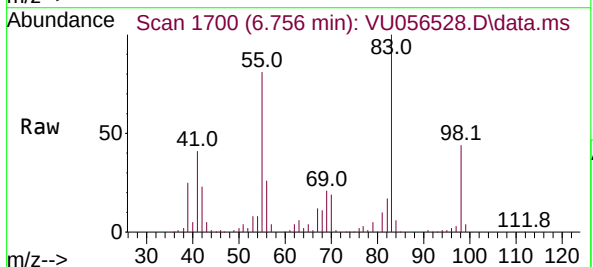
Tgt Ion: 83 Resp: 132185

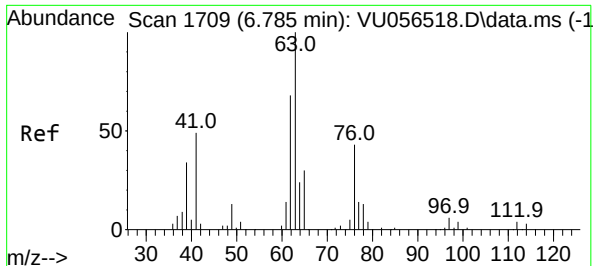
Ion Ratio Lower Upper

83 100

55 79.8 62.9 94.3

98 45.9 35.3 52.9

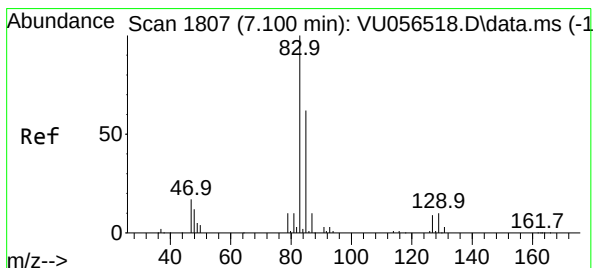
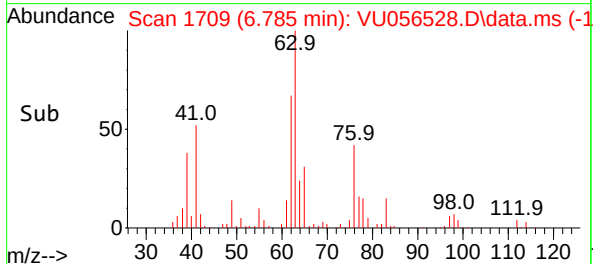
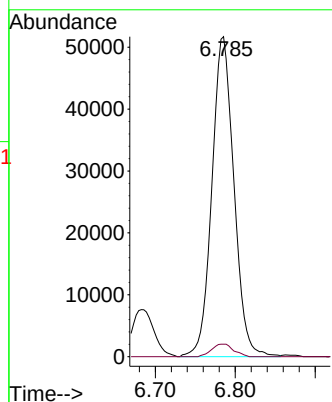
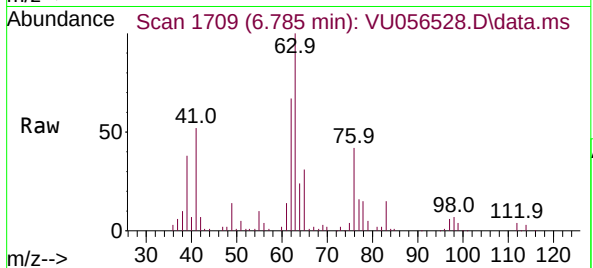




#37
1,2-Dichloropropane
Concen: 5.347 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.001 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

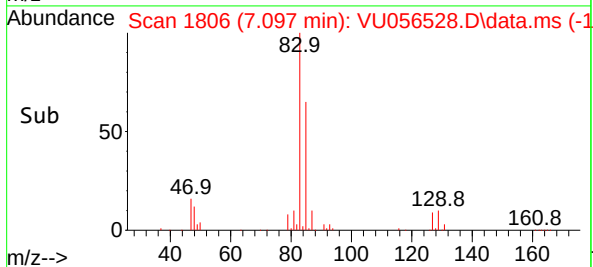
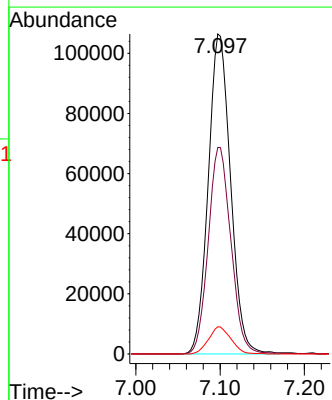
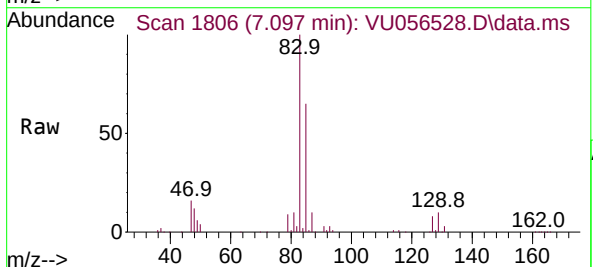
Instrument :
MSVOA_U
ClientSampleId :

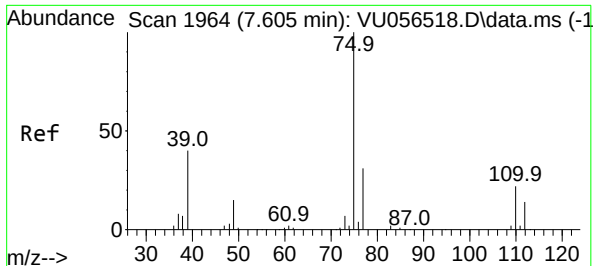
Tgt Ion: 63 Resp: 99011
Ion Ratio Lower Upper
63 100
112 3.9 3.2 4.8



#38
Bromodichloromethane
Concen: 8.193 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Tgt Ion: 83 Resp: 195869
Ion Ratio Lower Upper
83 100
85 64.5 44.9 83.5
127 8.5 6.9 10.3

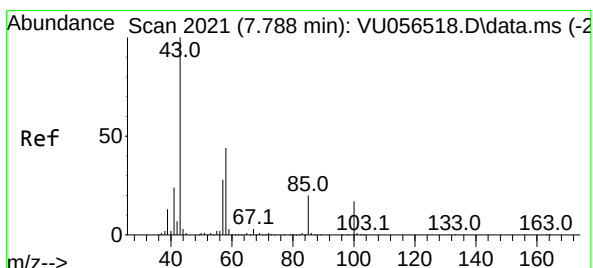
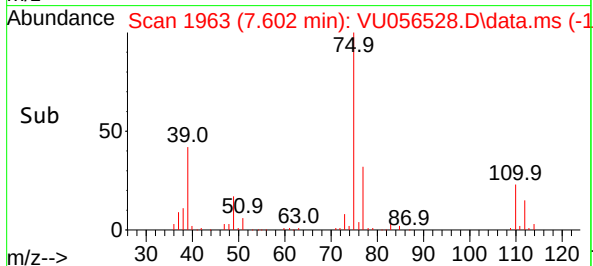
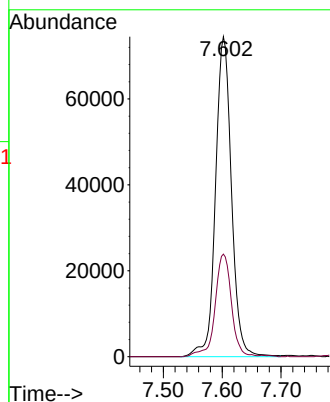
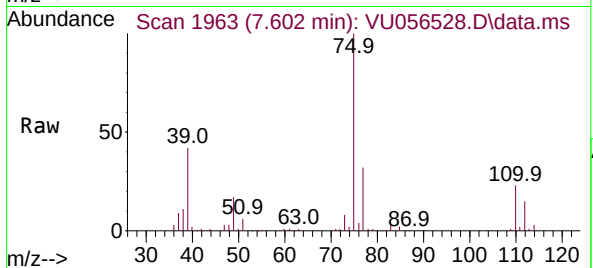




#39
 cis-1,3-Dichloropropene
 Concen: 5.163 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.003 min
 Lab File: VU056528.D
 Acq: 20 Nov 2023 15:38

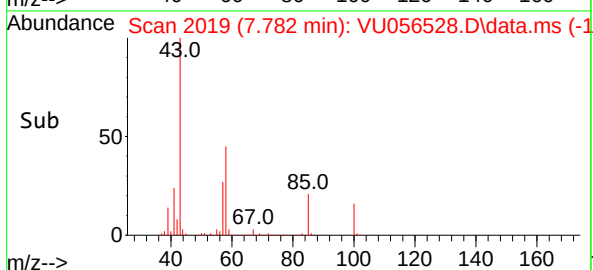
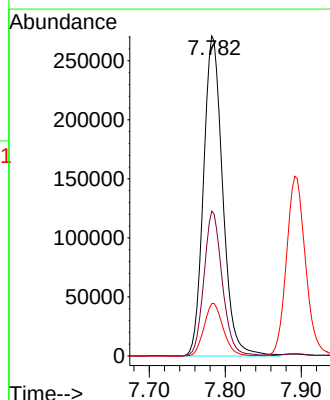
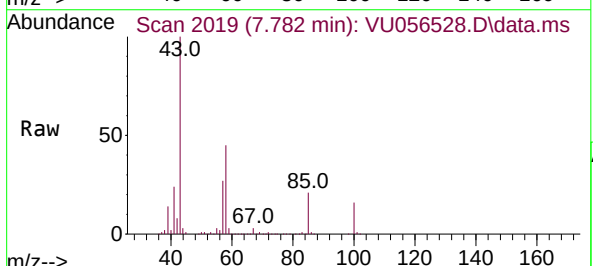
Instrument :
 MSVOA_U
 ClientSampleId :

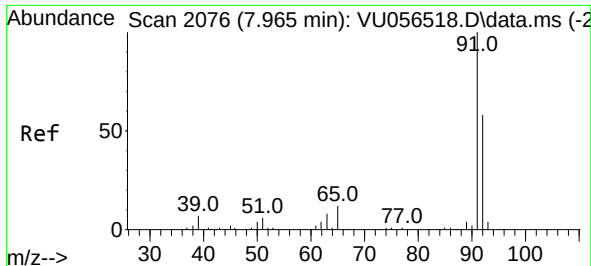
Tgt Ion: 75 Resp: 140494
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 51.831 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: VU056528.D
 Acq: 20 Nov 2023 15:38

Tgt Ion: 43 Resp: 475784
 Ion Ratio Lower Upper
 43 100
 58 43.4 33.8 50.8
 100 16.4 13.0 19.4





#42

Toluene

Concen: 5.368 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

Instrument :

MSVOA_U

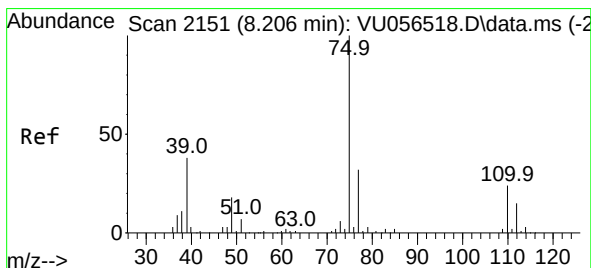
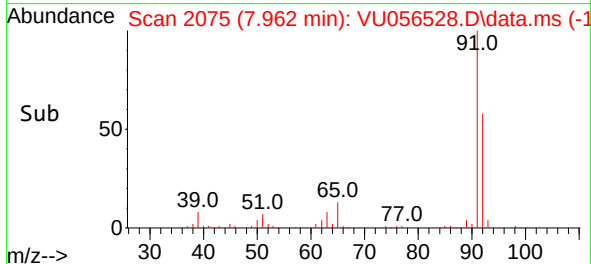
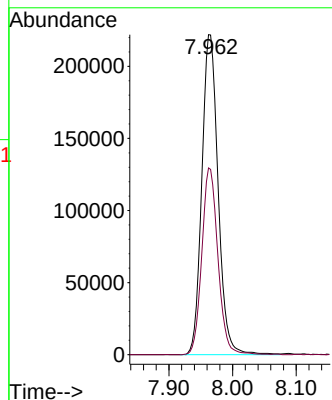
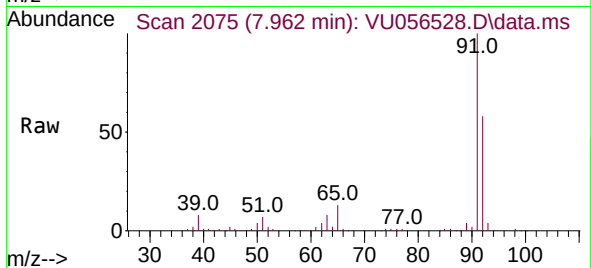
ClientSampleId :

Tgt Ion: 91 Resp: 394661

Ion Ratio Lower Upper

91 100

92 58.4 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.145 ug/L

RT: 8.207 min Scan# 2151

Delta R.T. 0.001 min

Lab File: VU056528.D

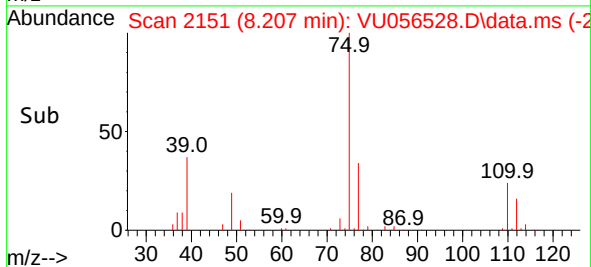
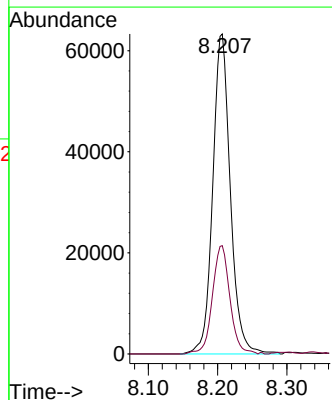
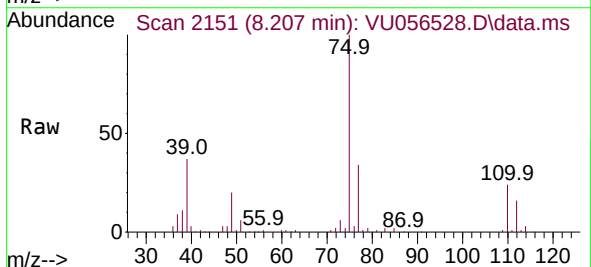
Acq: 20 Nov 2023 15:38

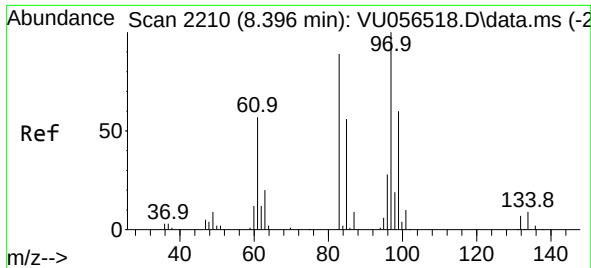
Tgt Ion: 75 Resp: 111605

Ion Ratio Lower Upper

75 100

77 33.9 22.8 42.4



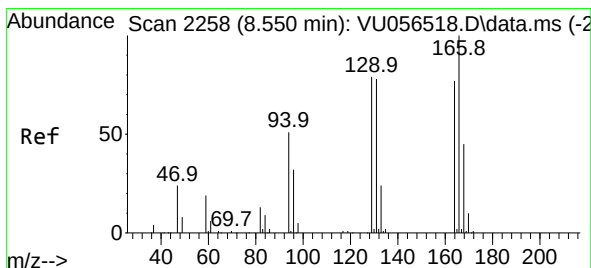
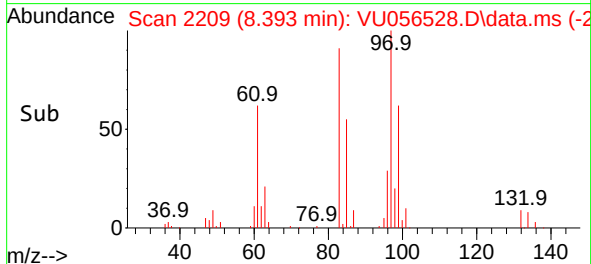
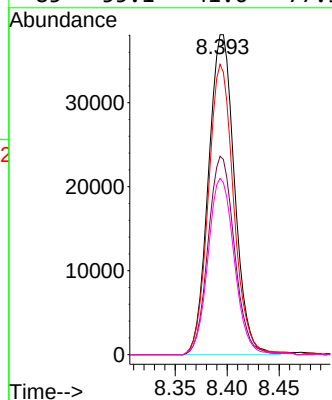
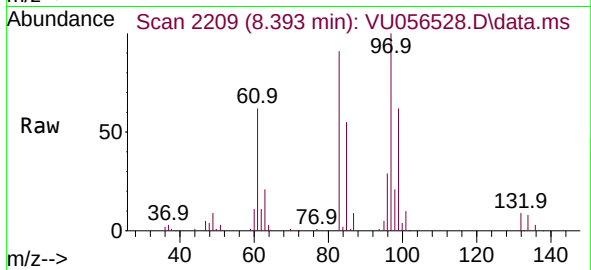


#45
1,1,2-Trichloroethane
Concen: 5.384 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 66404

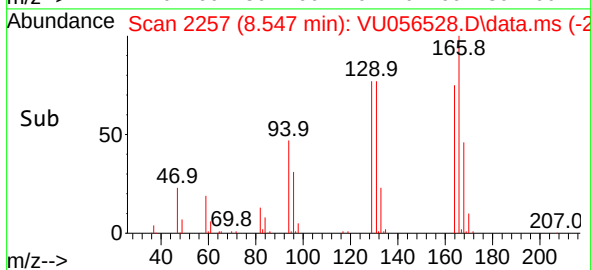
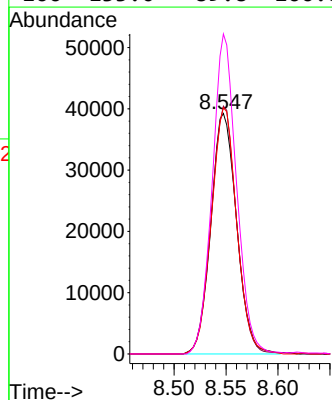
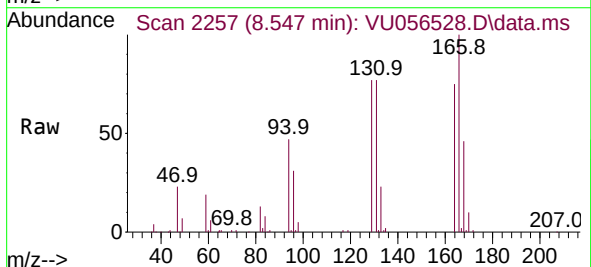
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.3	82.3
83	90.7	65.4	121.4
85	55.1	41.6	77.3

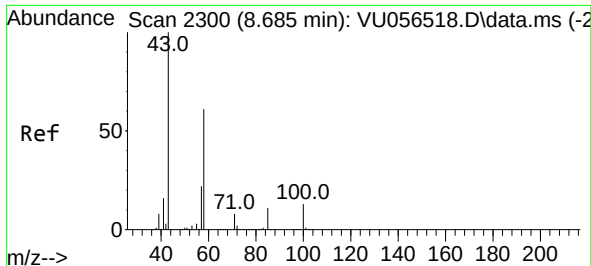


#47
Tetrachloroethene
Concen: 5.174 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Tgt Ion: 164 Resp: 67503

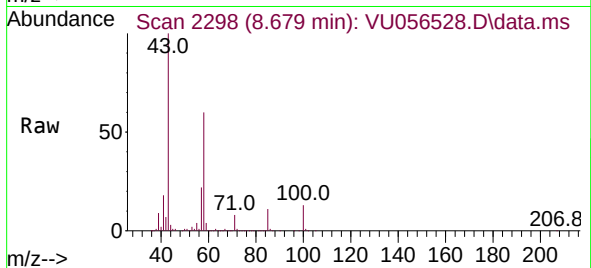
Ion	Ratio	Lower	Upper
164	100		
129	103.0	71.0	131.9
131	102.4	70.3	130.7
166	133.0	89.8	166.8



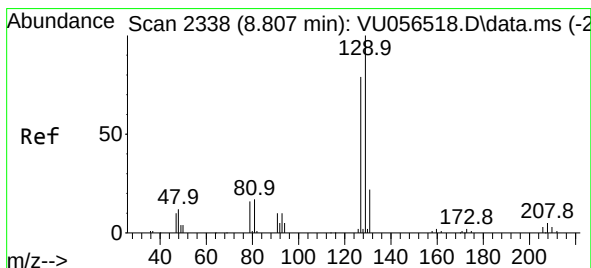
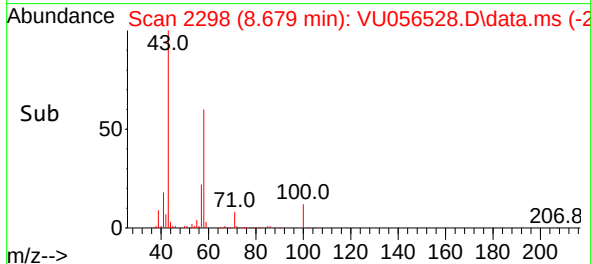
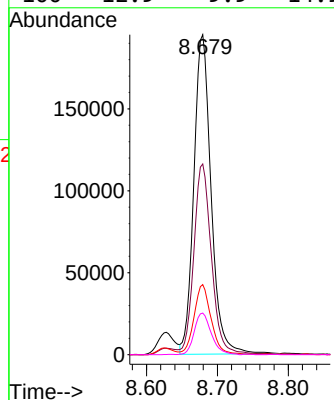


#48
2-Hexanone
Concen: 46.160 ug/L
RT: 8.679 min Scan# 2103
Delta R.T. -0.006 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Instrument :
MSVOA_U
ClientSampleId :

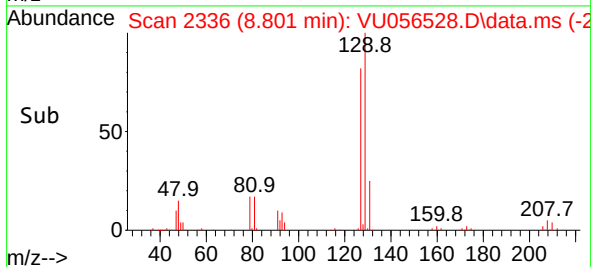
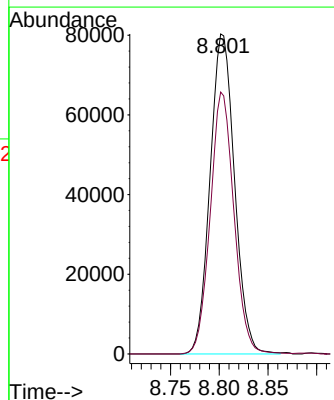
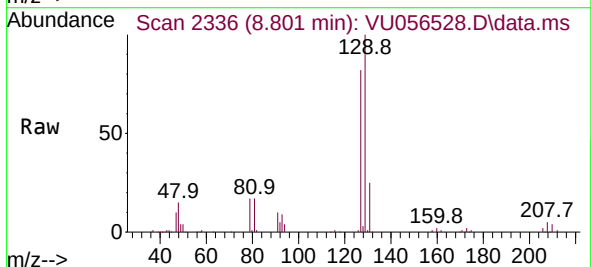


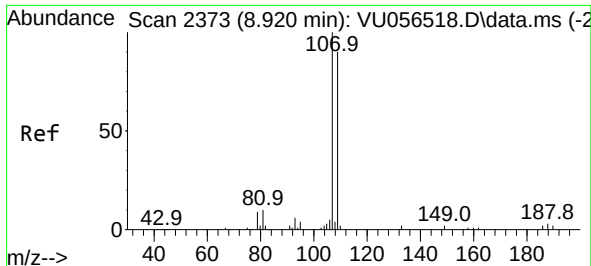
Tgt Ion:	43	Resp:	330103
Ion	Ratio	Lower	Upper
43	100		
58	60.1	48.7	73.1
57	21.7	16.8	25.2
100	12.9	9.9	14.9



#49
Dibromochloromethane
Concen: 9.997 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Tgt Ion:	129	Resp:	140209
Ion	Ratio	Lower	Upper
129	100		
127	81.9	52.9	98.3





#50

1,2-Dibromoethane

Concen: 5.085 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

Instrument :

MSVOA_U

ClientSampleId :

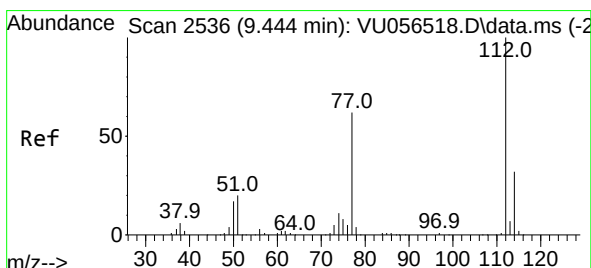
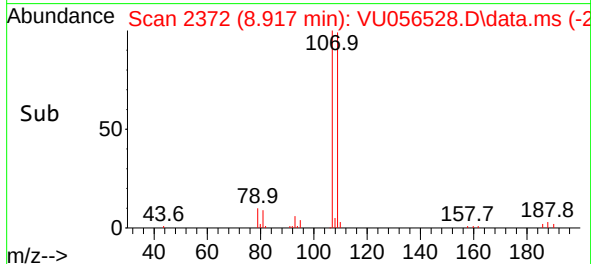
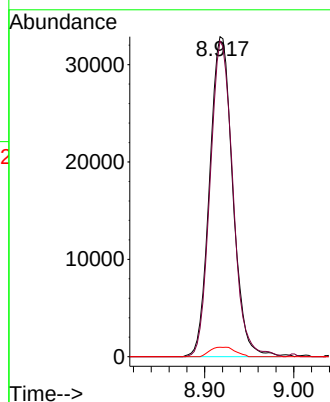
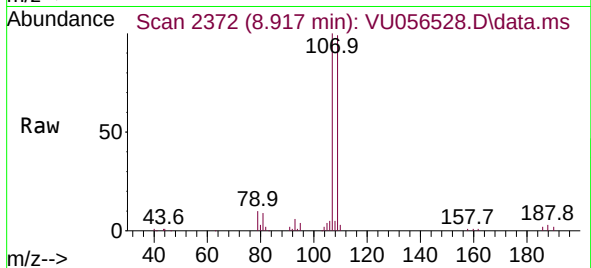
Tgt Ion:107 Resp: 59200

Ion Ratio Lower Upper

107 100

109 98.6 64.2 119.2

188 3.0 2.6 4.0



#51

Chlorobenzene

Concen: 5.147 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

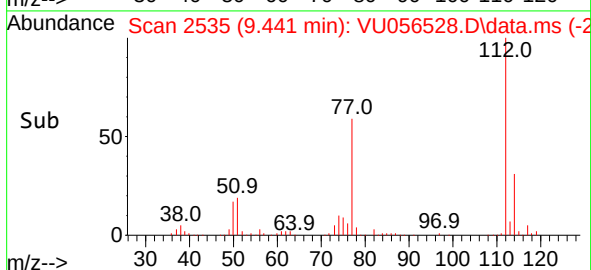
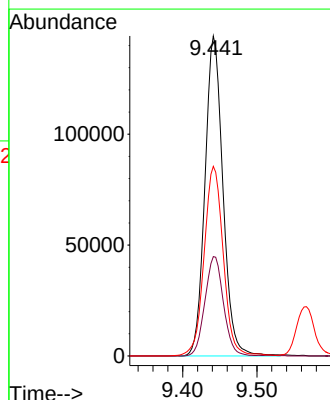
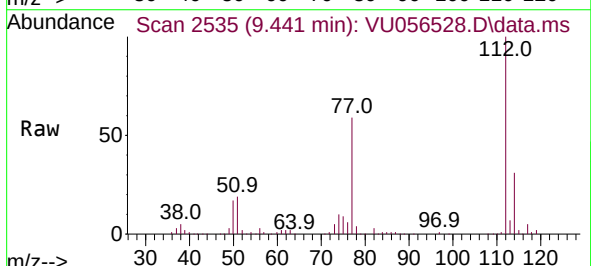
Tgt Ion:112 Resp: 243149

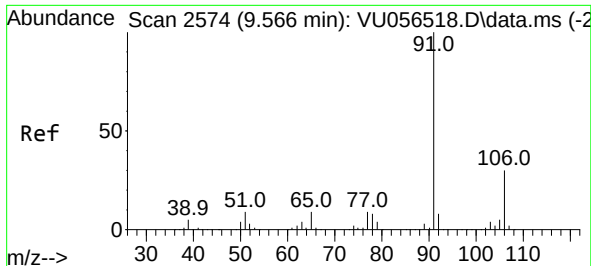
Ion Ratio Lower Upper

112 100

114 31.0 22.5 41.7

77 59.3 51.7 77.5

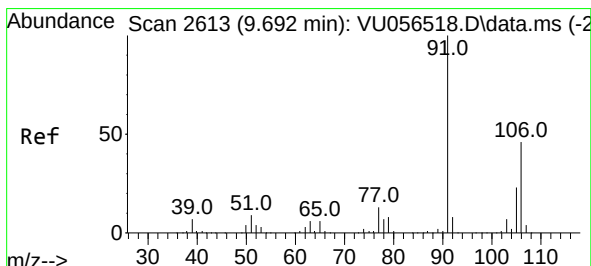
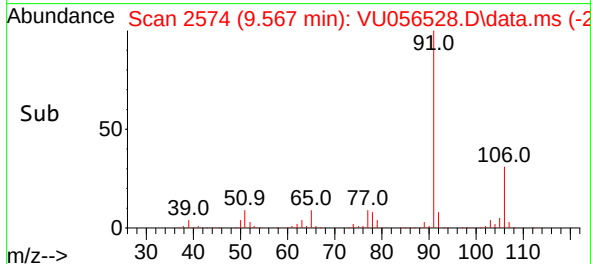
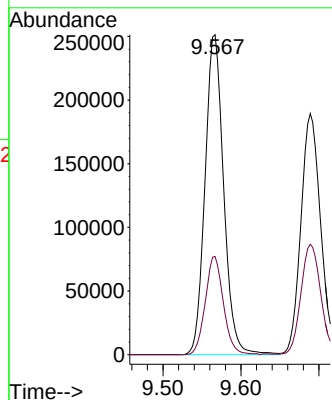
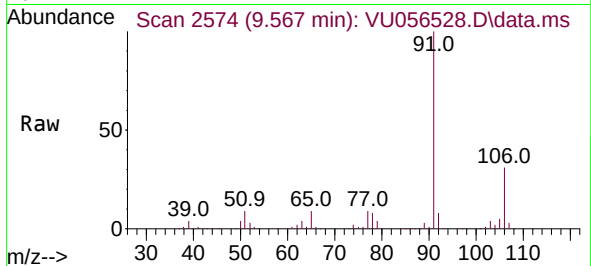




#52
Ethylbenzene
Concen: 5.130 ug/L
RT: 9.567 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

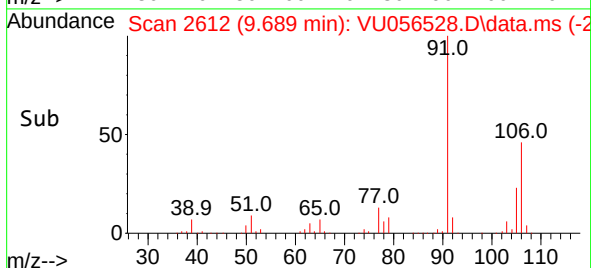
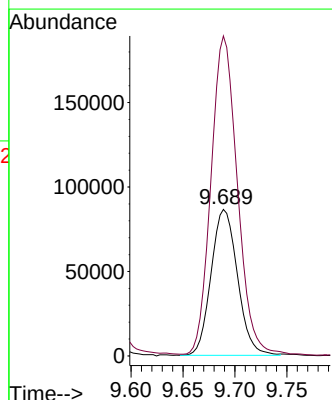
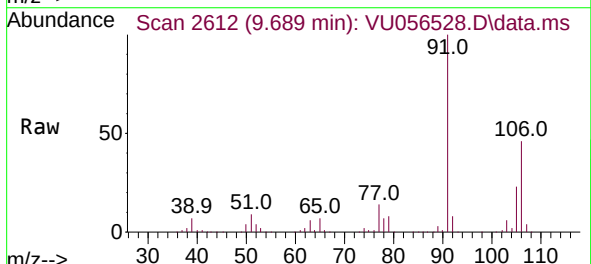
Instrument :
MSVOA_U
ClientSampleId :

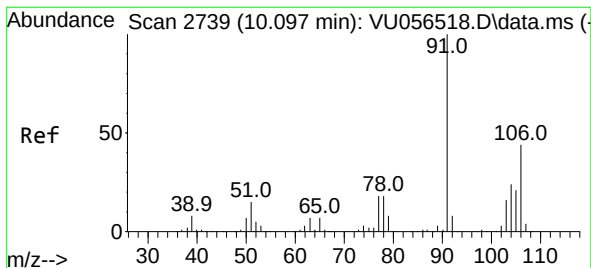
Tgt Ion: 91 Resp: 418832
Ion Ratio Lower Upper
91 100
106 30.7 21.1 39.1



#53
m,p-Xylene
Concen: 5.086 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Tgt Ion: 106 Resp: 152647
Ion Ratio Lower Upper
106 100
91 218.3 149.6 277.8





#54

o-Xylene

Concen: 5.125 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.001 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

Instrument :

MSVOA_U

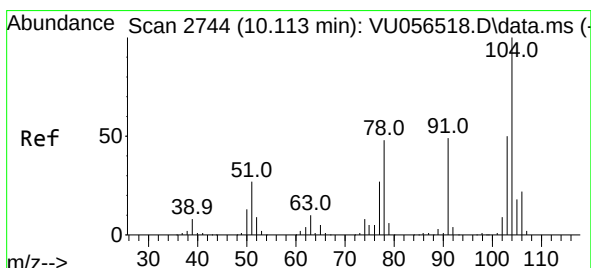
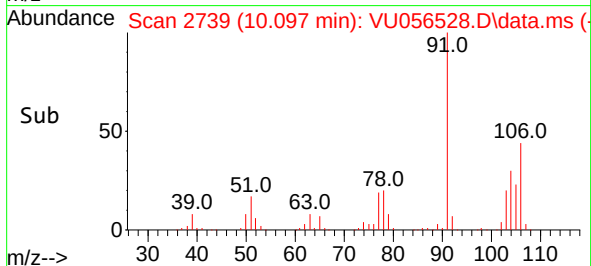
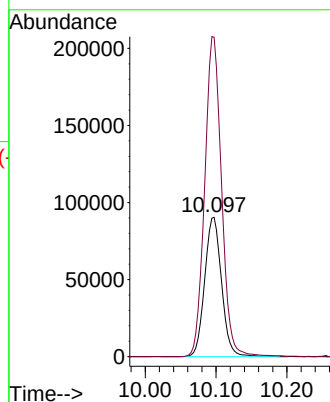
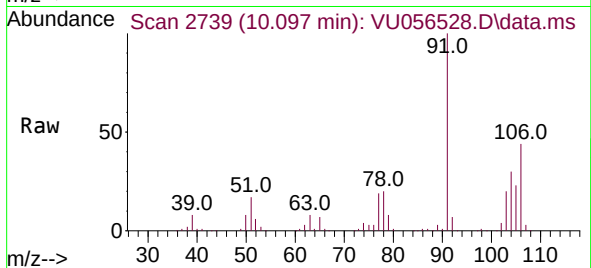
ClientSampleId :

Tgt Ion:106 Resp: 149397

Ion Ratio Lower Upper

106 100

91 229.2 159.3 295.9



#55

Styrene

Concen: 4.844 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.003 min

Lab File: VU056528.D

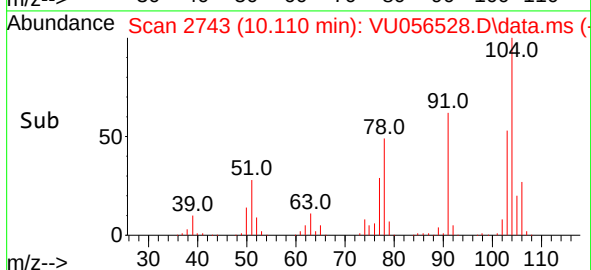
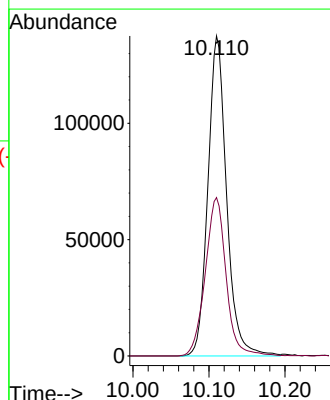
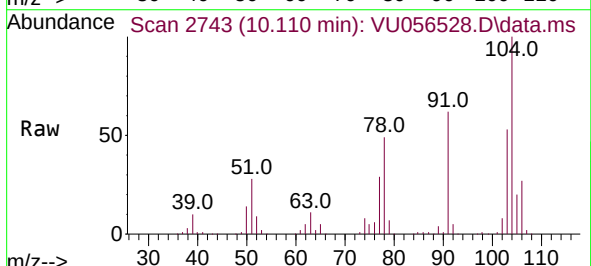
Acq: 20 Nov 2023 15:38

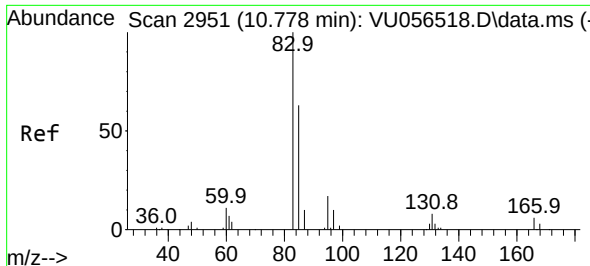
Tgt Ion:104 Resp: 234916

Ion Ratio Lower Upper

104 100

78 49.5 34.2 63.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.389 ug/L

RT: 10.776 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

Instrument :

MSVOA_U

ClientSampleId :

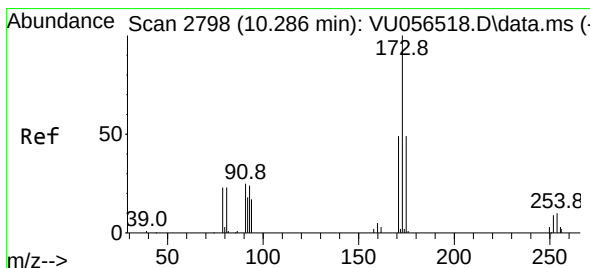
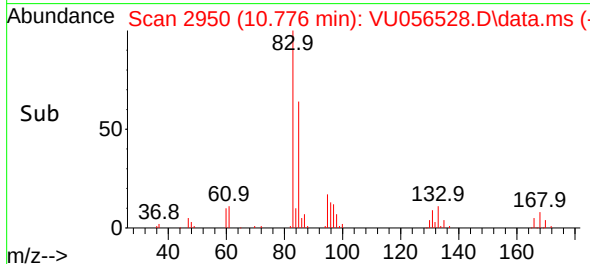
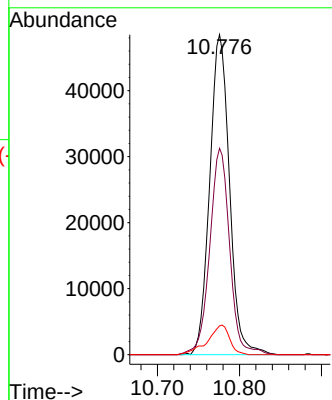
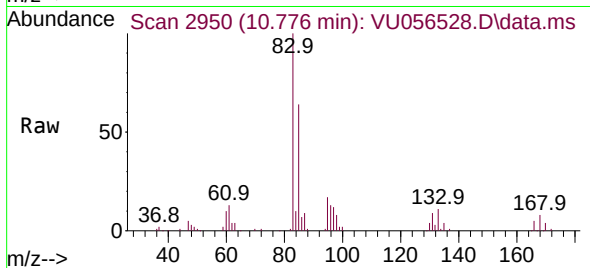
Tgt Ion: 83 Resp: 81152

Ion Ratio Lower Upper

83 100

85 64.5 46.3 86.1

131 9.0 6.7 10.1



#59

Bromoform

Concen: 10.444 ug/L

RT: 10.284 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

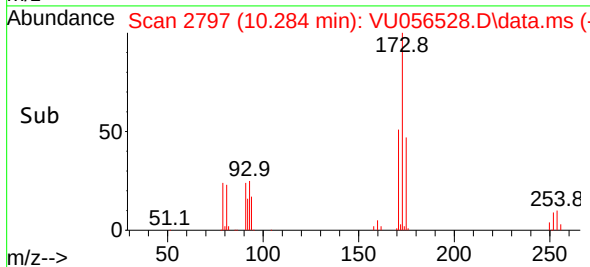
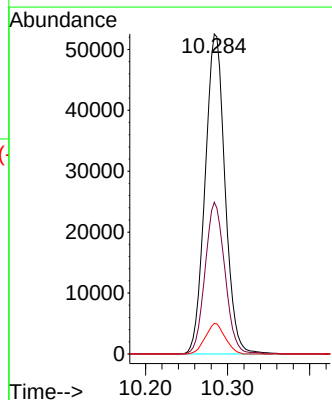
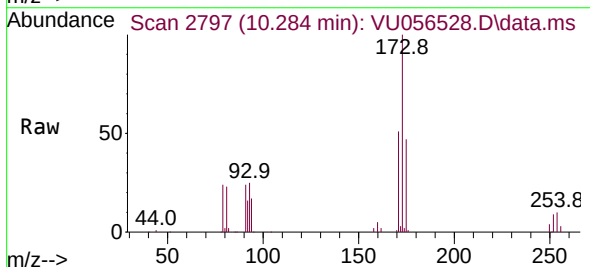
Tgt Ion:173 Resp: 88468

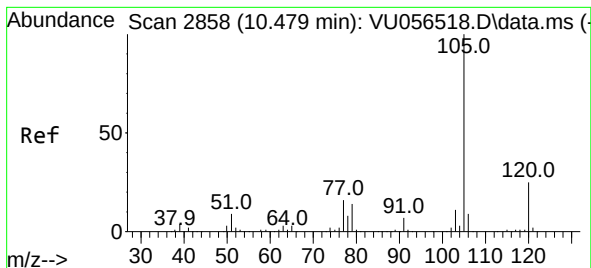
Ion Ratio Lower Upper

173 100

175 47.2 38.9 58.3

254 9.4 6.7 10.1





#60

Isopropylbenzene

Concen: 4.776 ug/L

RT: 10.480 min Scan# 21

Delta R.T. 0.001 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

Instrument :

MSVOA_U

ClientSampleId :

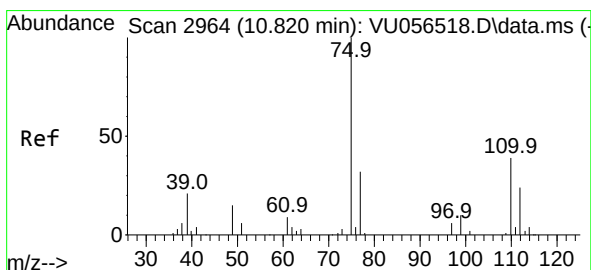
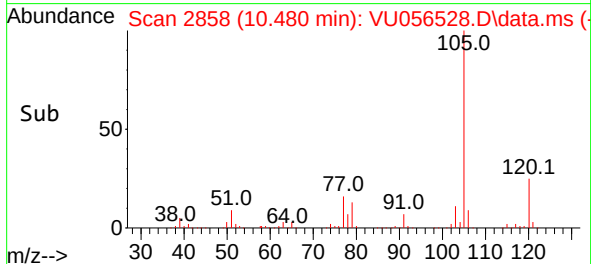
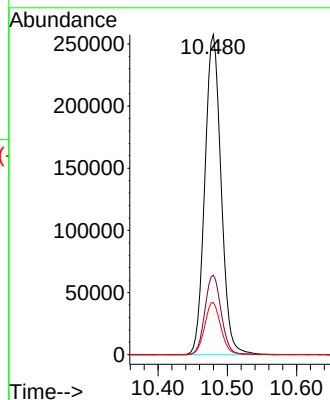
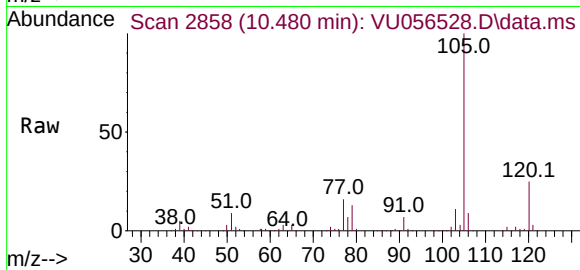
Tgt Ion:105 Resp: 418876

Ion Ratio Lower Upper

105 100

120 24.9 20.4 30.6

77 16.3 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 4.625 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.006 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

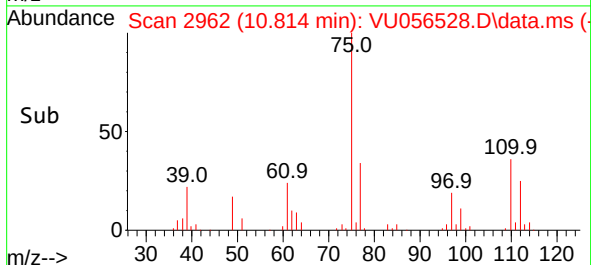
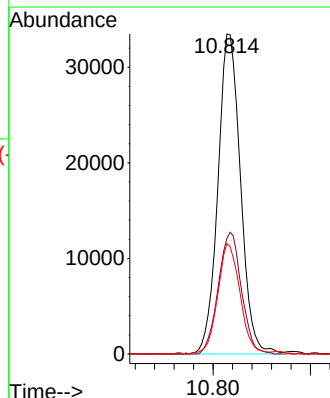
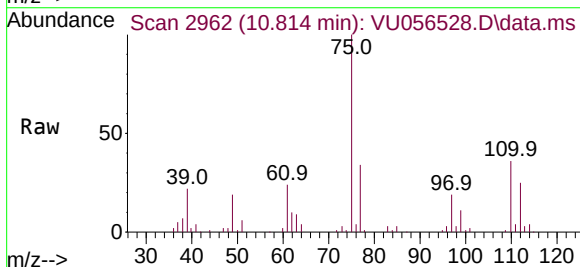
Tgt Ion: 75 Resp: 53962

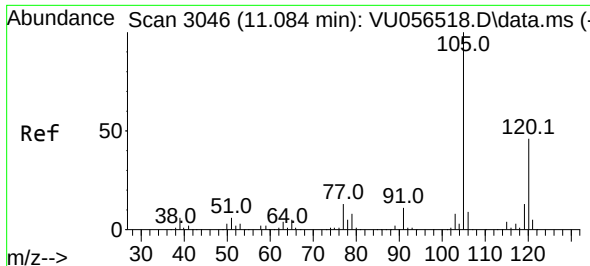
Ion Ratio Lower Upper

75 100

110 38.8 30.4 45.6

77 33.9 27.0 40.6

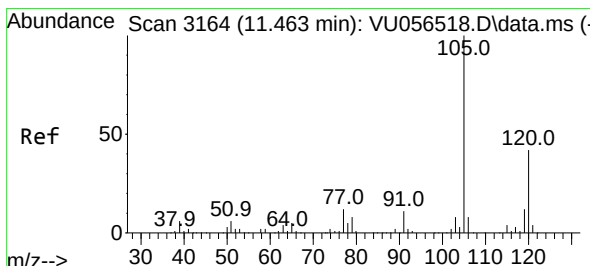
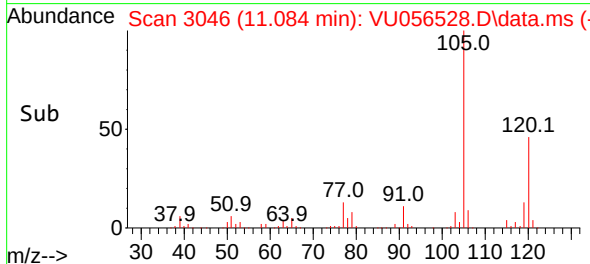
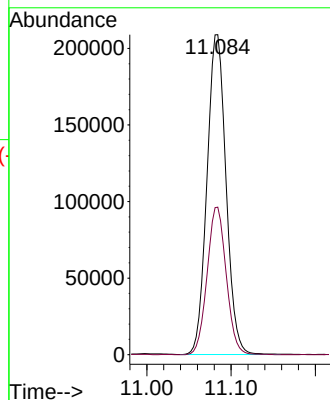
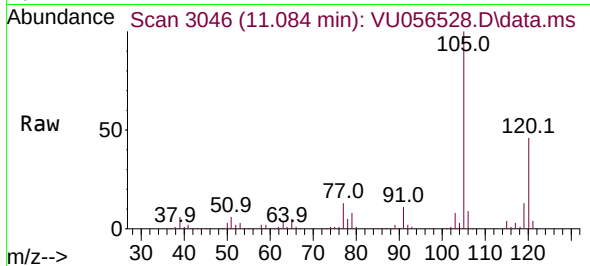




#62
1,3,5-Trimethylbenzene
Concen: 4.566 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.001 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

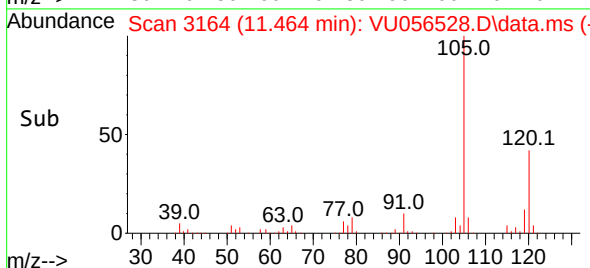
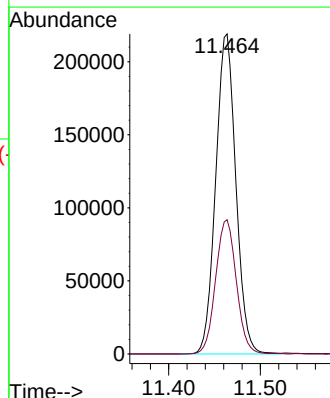
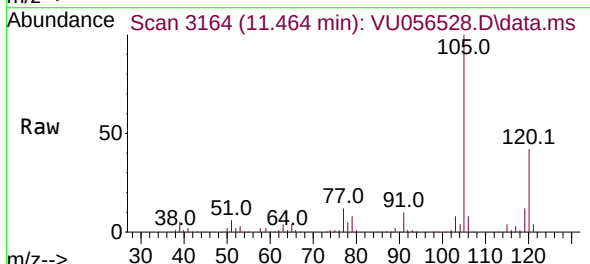
Instrument :
MSVOA_U
ClientSampleId :

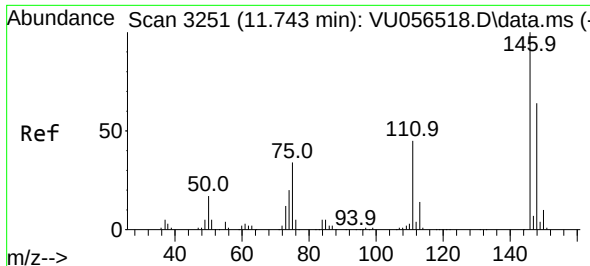
Tgt Ion:105 Resp: 328753
Ion Ratio Lower Upper
105 100
120 46.3 37.2 55.8



#63
1,2,4-Trimethylbenzene
Concen: 4.704 ug/L
RT: 11.464 min Scan# 3164
Delta R.T. 0.001 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Tgt Ion:105 Resp: 334370
Ion Ratio Lower Upper
105 100
120 43.2 34.0 51.0

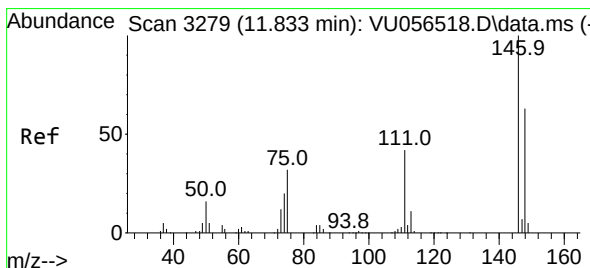
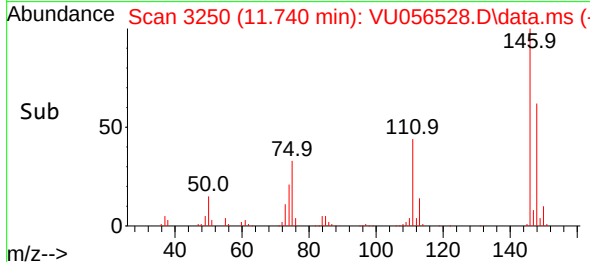
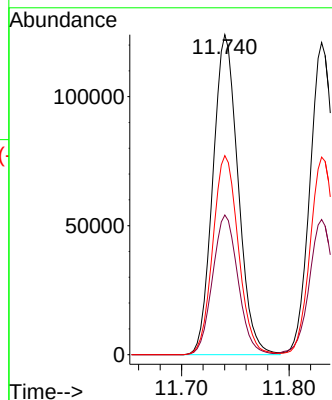
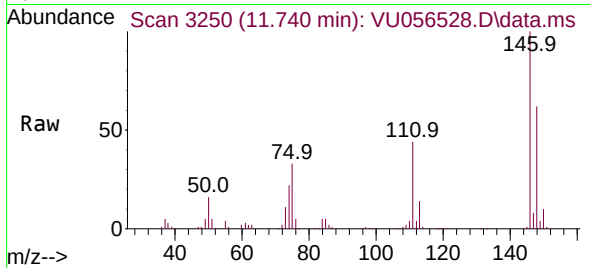




#64
1,3-Dichlorobenzene
Concen: 5.071 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

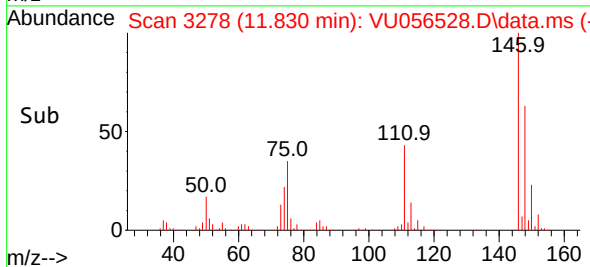
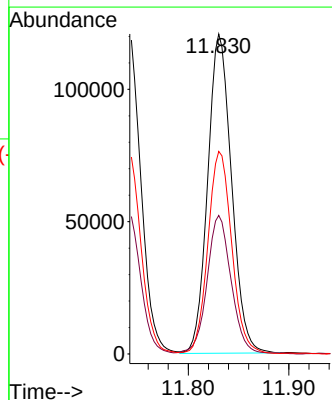
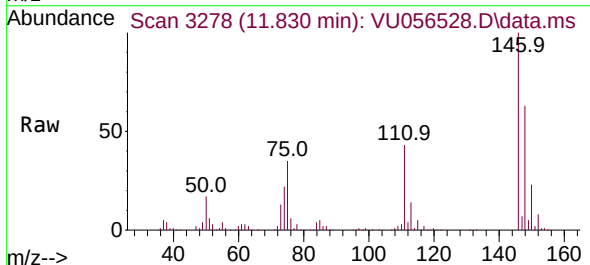
Instrument :
MSVOA_U
ClientSampleId :

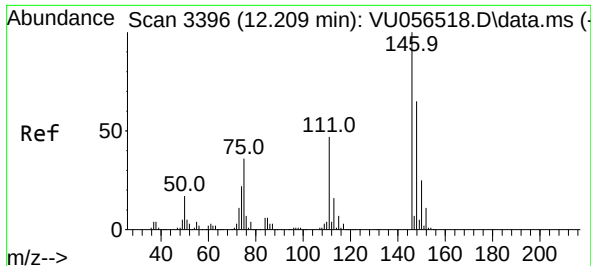
Tgt Ion:146 Resp: 202312
Ion Ratio Lower Upper
146 100
111 43.6 31.1 57.7
148 62.2 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 4.970 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Tgt Ion:146 Resp: 198859
Ion Ratio Lower Upper
146 100
111 43.3 30.5 56.7
148 63.3 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.026 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

Instrument :

MSVOA_U

ClientSampleId :

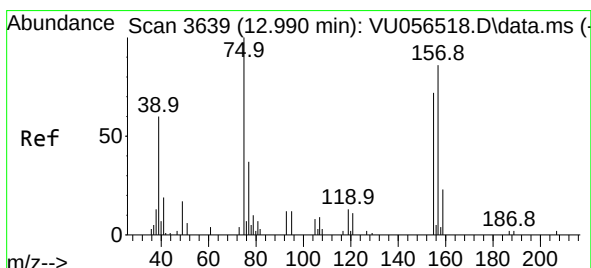
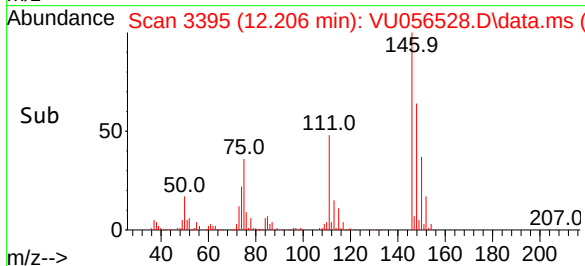
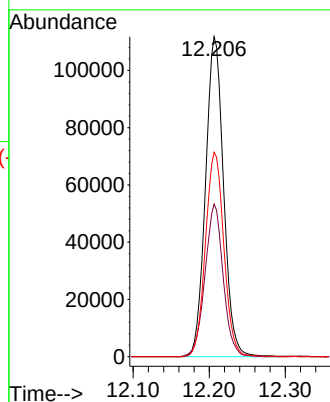
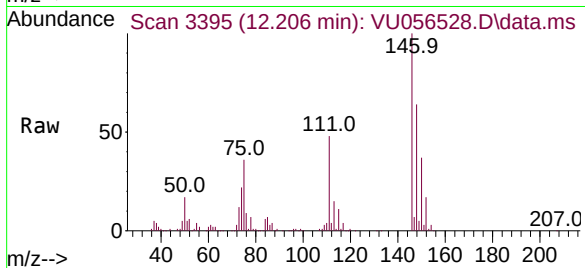
Tgt Ion:146 Resp: 183929

Ion Ratio Lower Upper

146 100

111 47.7 38.3 57.5

148 63.9 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.562 ug/L

RT: 12.988 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU056528.D

Acq: 20 Nov 2023 15:38

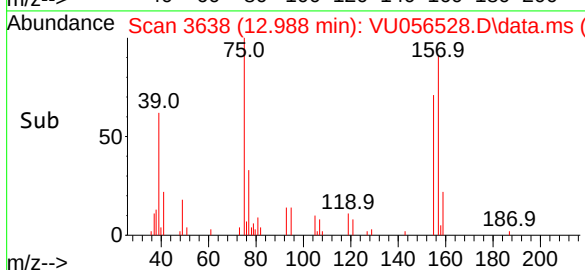
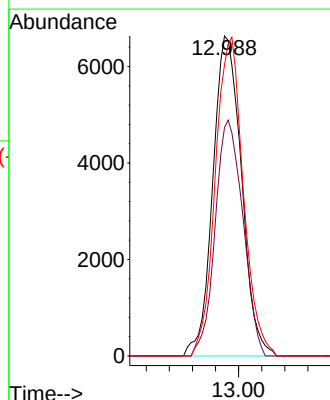
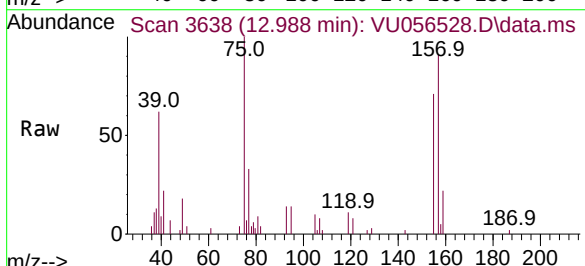
Tgt Ion: 75 Resp: 11369

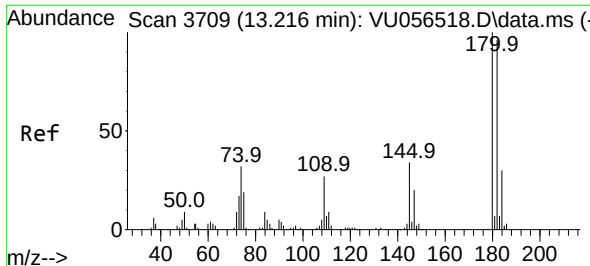
Ion Ratio Lower Upper

75 100

155 71.4 62.4 93.6

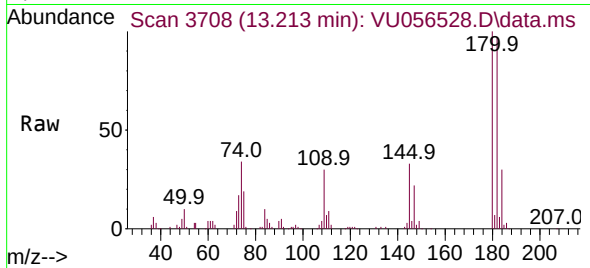
157 91.0 80.2 120.2



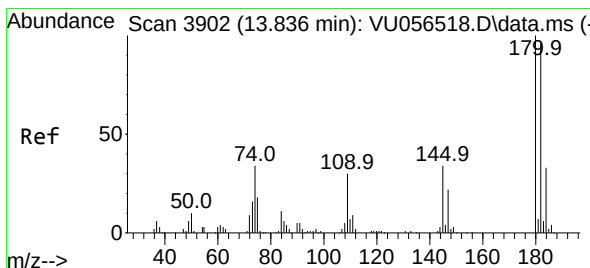
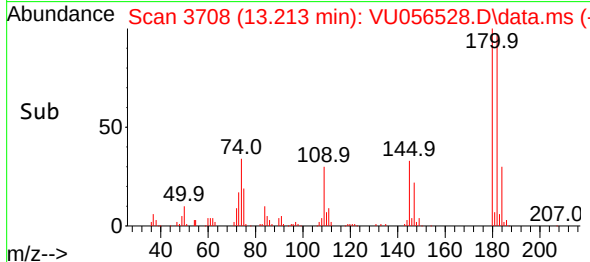
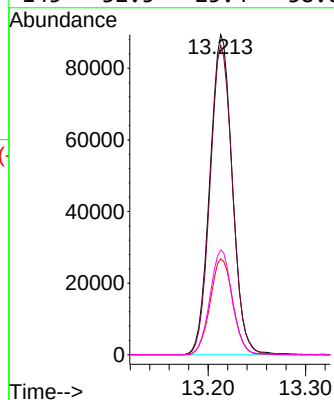


#69
 1,3,5-Trichlorobenzene
 Concen: 4.738 ug/L
 RT: 13.213 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU056528.D
 Acq: 20 Nov 2023 15:38

Instrument :
 MSVOA_U
 ClientSampleId :

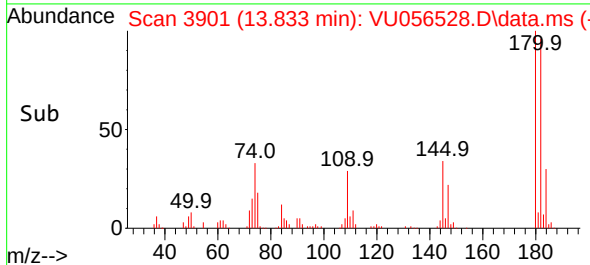
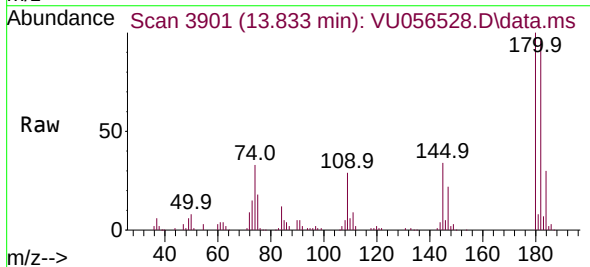
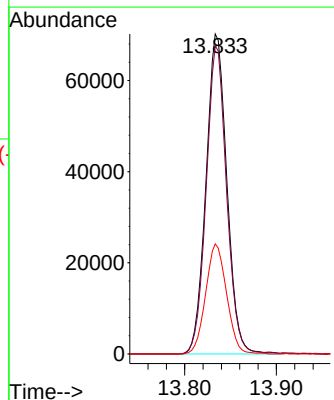


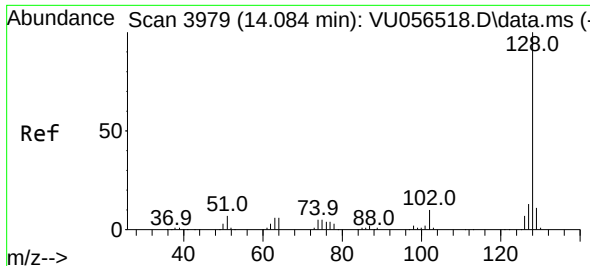
Tgt Ion:180 Resp: 142320
 Ion Ratio Lower Upper
 180 100
 182 96.8 75.1 112.7
 184 30.5 23.5 35.3
 145 32.5 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 4.542 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU056528.D
 Acq: 20 Nov 2023 15:38

Tgt Ion:180 Resp: 111123
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.4 113.2
 145 34.5 26.8 40.2

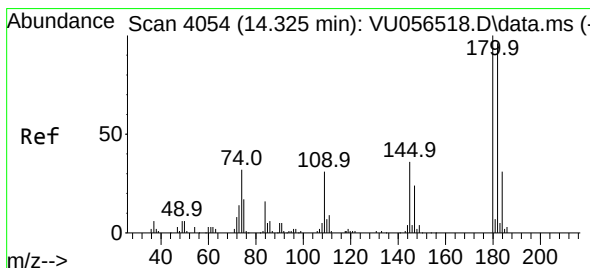
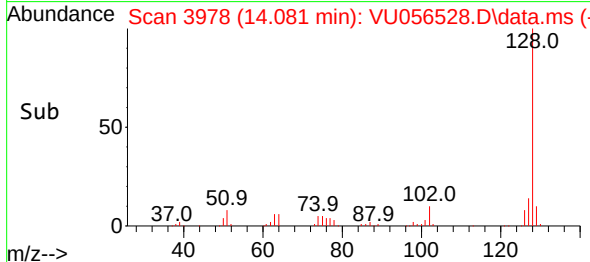
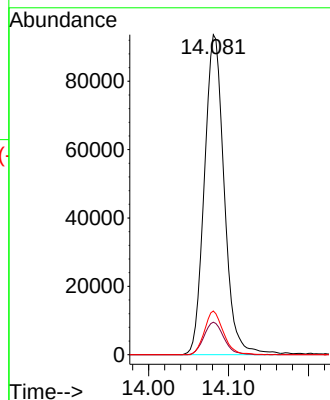
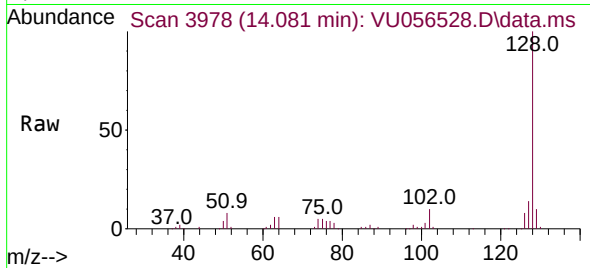




#71
Naphthalene
Concen: 4.369 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 161498
Ion Ratio Lower Upper
128 100
129 10.2 8.6 12.8
127 13.0 10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 4.768 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VU056528.D
Acq: 20 Nov 2023 15:38

Tgt Ion:180 Resp: 96083
Ion Ratio Lower Upper
180 100
182 96.7 78.6 117.8
145 36.6 29.0 43.6

