

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040324\
 Data File : VU058351.D
 Acq On : 03 Apr 2024 09:46
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 04 01:14:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 03 01:56:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	77536	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	74932	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	36089	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	24421	3.727	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.600%
7) Chloroethane-d5	1.907	69	25734	4.812	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.557	65	11137	4.094	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.800%
20) 2-Butanone-d5	4.624	46	67268	57.788	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.580%
24) Chloroform-d	5.052	84	57715	4.927	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	5.695	65	28295	5.166	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.400%
32) Benzene-d6	5.717	84	113107	4.647	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.682	67	35836	4.996	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.000%
41) Toluene-d8	7.891	98	98320	4.560	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.177	79	10548	4.589	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.630	63	51479	55.308	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.620%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	24387	5.219	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	32178	4.788	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	11619	3.638	ug/L	99
3) Chloromethane	1.515	50	15061	3.700	ug/L	96
5) Vinyl chloride	1.599	62	18213	4.097	ug/L	99
6) Bromomethane	1.853	94	7290	3.058	ug/L	99
8) Chloroethane	1.930	64	15620	5.328	ug/L	100
9) Trichlorofluoromethane	2.126	101	40370	5.588	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	21722	4.685	ug/L	98
12) 1,1-Dichloroethene	2.570	96	16563	4.261	ug/L	92
13) Acetone	2.640	43	45081	59.840	ug/L	99
14) Carbon disulfide	2.782	76	29609	3.409	ug/L	100
15) Methyl Acetate	2.949	43	7835	5.010	ug/L	94
16) Methylene chloride	3.033	84	27018	4.905	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	52757	5.057	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	17911	4.409	ug/L	97
19) 1,1-Dichloroethane	3.856	63	45447	4.979	ug/L	97
21) 2-Butanone	4.705	43	62021	54.188	ug/L	97
22) cis-1,2-Dichloroethene	4.653	96	23861	4.753	ug/L	98
23) Bromochloromethane	4.968	128	9505	5.074	ug/L	93
25) Chloroform	5.078	83	47503	4.963	ug/L	100

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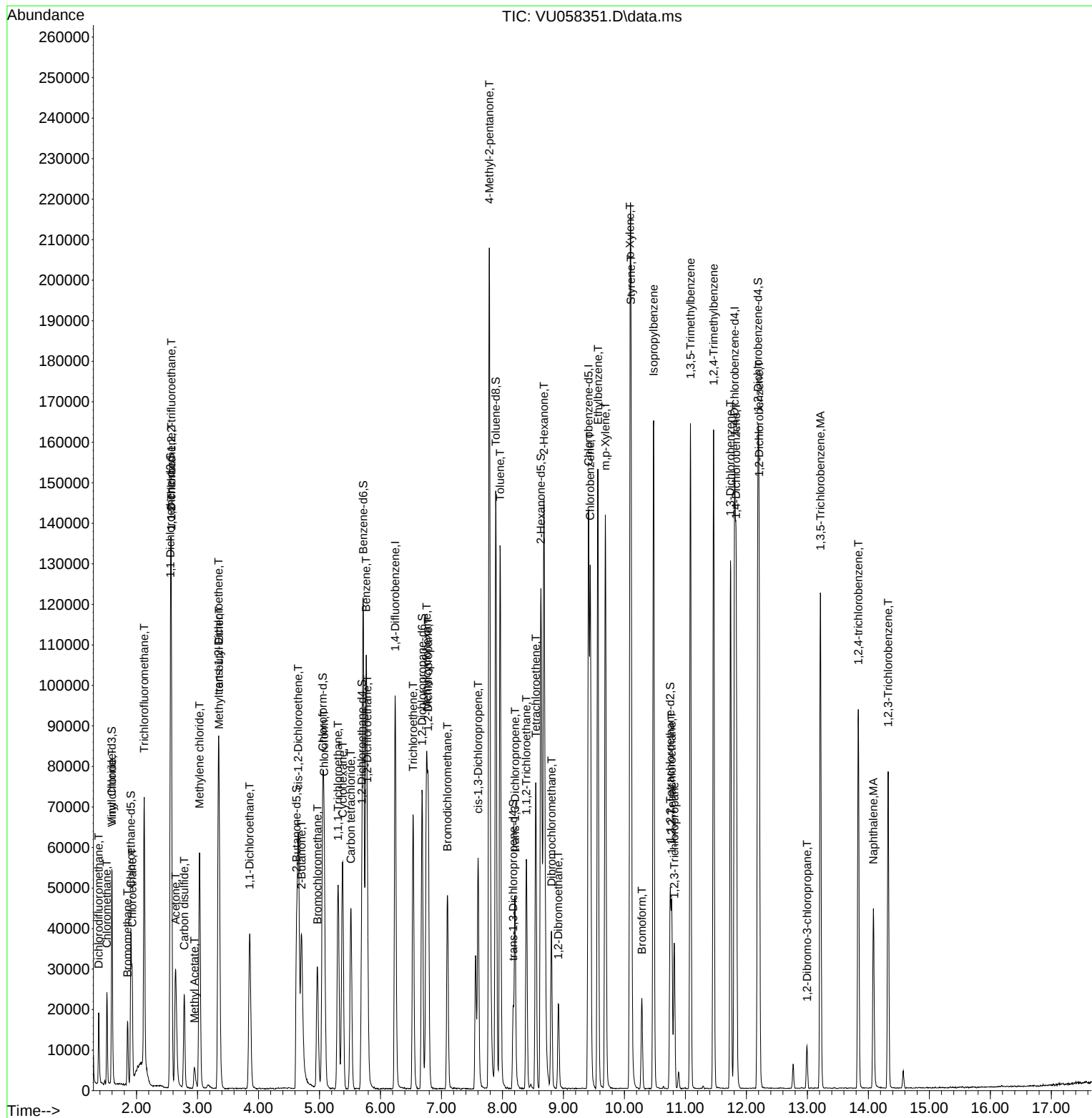
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	27351	5.033	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	36744	4.743	ug/L	99
30) Cyclohexane	5.380	56	27700	4.093	ug/L	97
31) Carbon tetrachloride	5.515	117	30056	4.557	ug/L	100
33) Benzene	5.766	78	92808	4.716	ug/L	100
34) Trichloroethene	6.537	95	23273	4.539	ug/L	97
35) Methylcyclohexane	6.756	83	29792	4.166	ug/L	99
37) 1,2-Dichloropropane	6.782	63	27294	4.965	ug/L	99
38) Bromodichloromethane	7.097	83	31951	5.070	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	34980	5.017	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	147723	53.139	ug/L	98
42) Toluene	7.962	91	98531	4.738	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	27327	4.980	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	17135	4.948	ug/L	96
47) Tetrachloroethene	8.547	164	16068	4.679	ug/L	96
48) 2-Hexanone	8.682	43	112243	55.443	ug/L	95
49) Dibromochloromethane	8.804	129	19252	5.081	ug/L	99
50) 1,2-Dibromoethane	8.917	107	14558	4.884	ug/L	96
51) Chlorobenzene	9.441	112	64468	4.812	ug/L	99
52) Ethylbenzene	9.566	91	108385	4.668	ug/L	98
53) m,p-Xylene	9.688	106	39556	4.781	ug/L	94
54) o-Xylene	10.093	106	40118	4.804	ug/L	94
55) Styrene	10.110	104	65521	4.969	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	21890	5.363	ug/L	100
59) Bromoform	10.286	173	9779	5.159	ug/L	97
60) Isopropylbenzene	10.479	105	104898	4.838	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	15453	5.113	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	88581	4.868	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	88212	4.881	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	50118	4.964	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	48831	5.004	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	47895	5.129	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.994	75	3016	6.618	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	36185	5.125	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	27358	5.195	ug/L	99
71) Naphthalene	14.084	128	36707	5.118	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	22213	5.151	ug/L	96

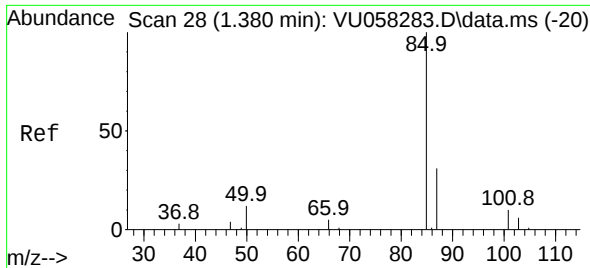
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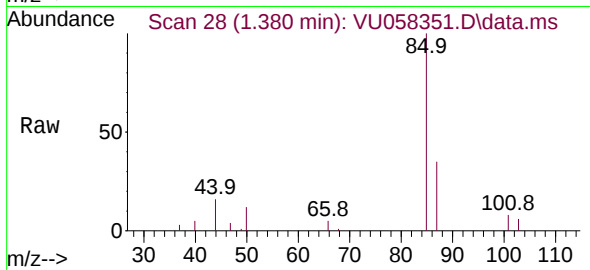
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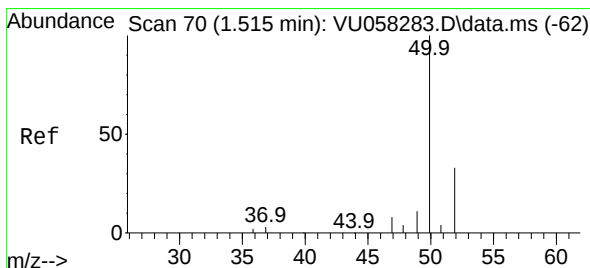
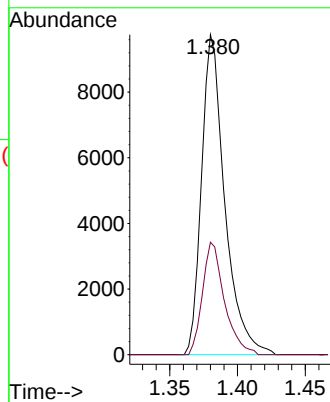
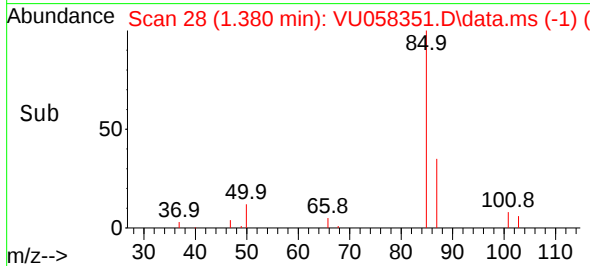


#2
 Dichlorodifluoromethane
 Concen: 3.638 ug/L
 RT: 1.380 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VU058351.D
 Acq: 03 Apr 2024 09:46

Instrument :
 MSVOA_U
 ClientSampleId :

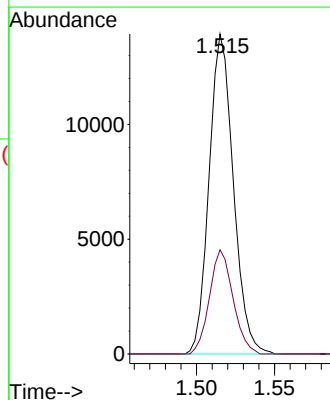
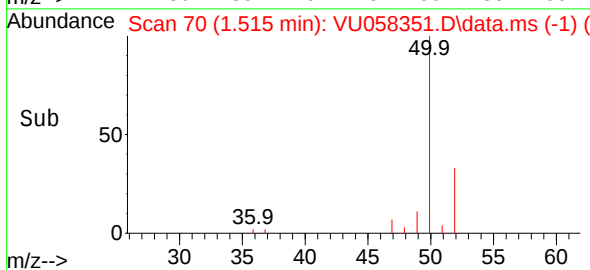
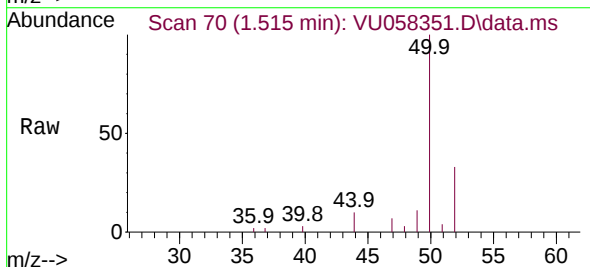


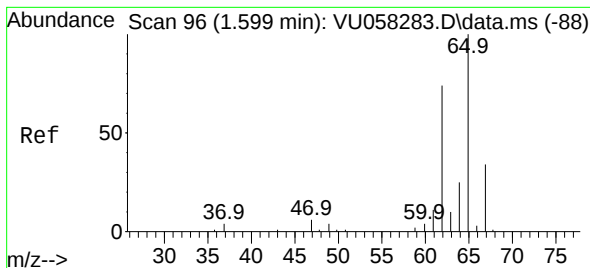
Tgt Ion: 85 Resp: 11619
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.8 38.8



#3
 Chloromethane
 Concen: 3.700 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU058351.D
 Acq: 03 Apr 2024 09:46

Tgt Ion: 50 Resp: 15061
 Ion Ratio Lower Upper
 50 100
 52 32.6 24.2 45.0





#5

Vinyl chloride

Concen: 4.097 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

Instrument :

MSVOA_U

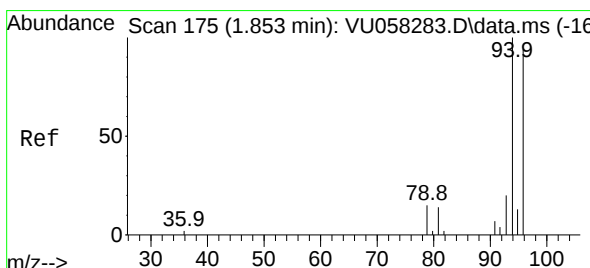
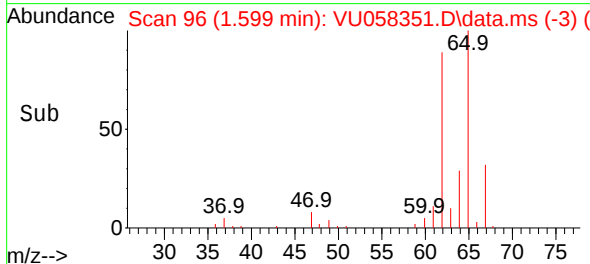
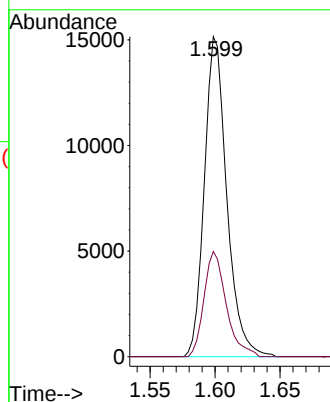
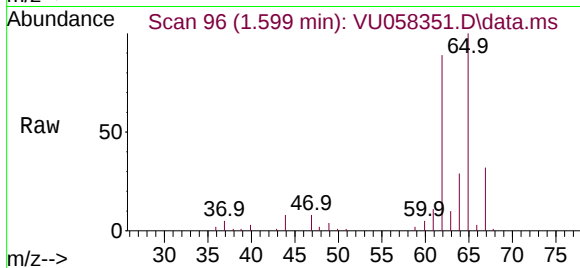
ClientSampleId :

Tgt Ion: 62 Resp: 18213

Ion Ratio Lower Upper

62 100

64 32.8 23.4 43.6



#6

Bromomethane

Concen: 3.058 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.000 min

Lab File: VU058351.D

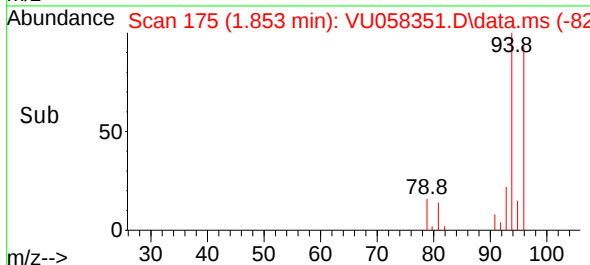
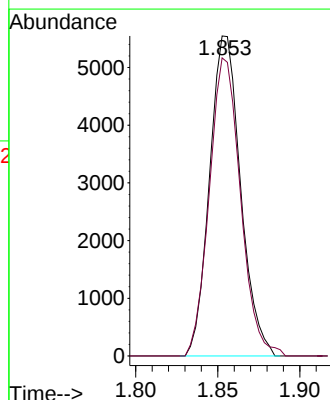
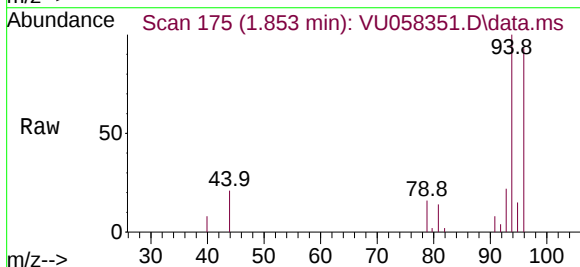
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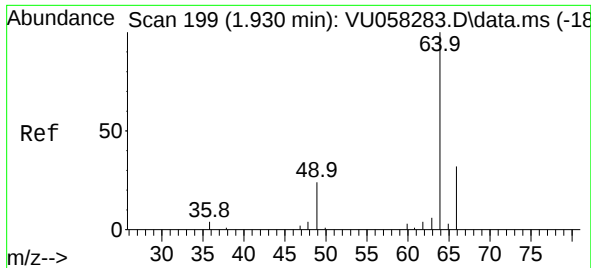
Tgt Ion: 94 Resp: 7290

Ion Ratio Lower Upper

94 100

96 93.1 64.8 120.4

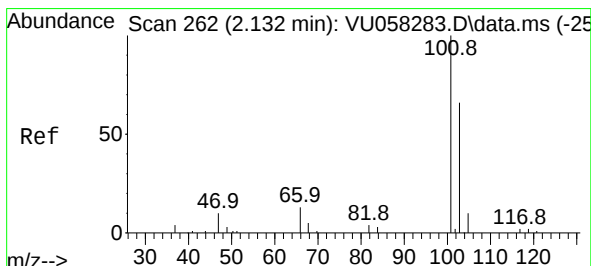
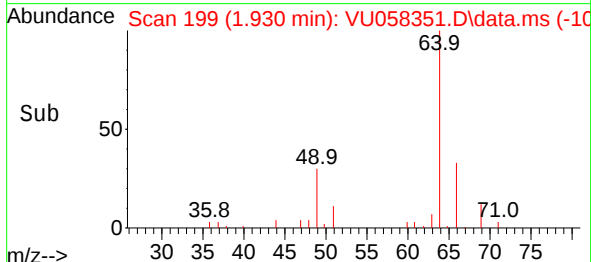
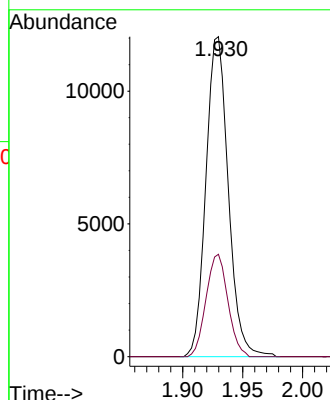
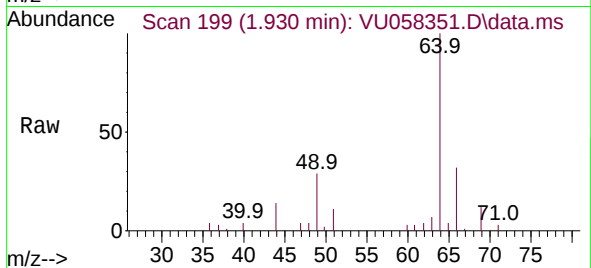




#8
Chloroethane
Concen: 5.328 ug/L
RT: 1.930 min Scan# 10
Delta R.T. -0.000 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

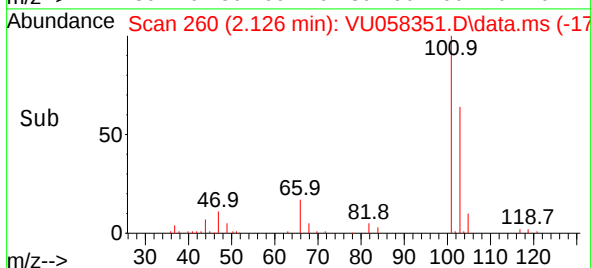
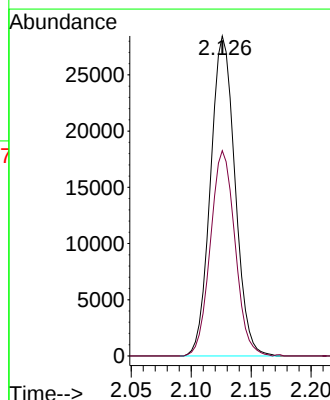
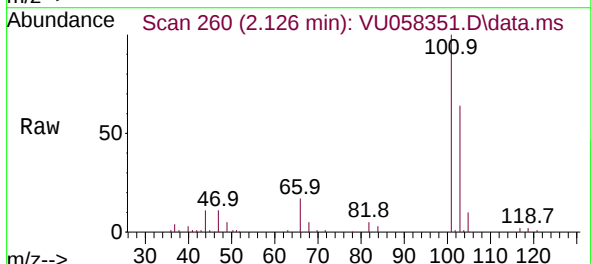
Instrument :
MSVOA_U
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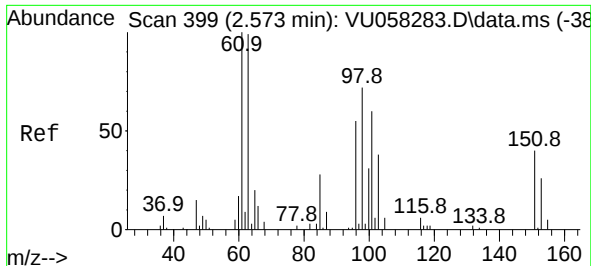
Tgt Ion: 64 Resp: 15620
Ion Ratio Lower Upper
64 100
66 32.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 5.588 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.010 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

Tgt Ion:101 Resp: 40370
Ion Ratio Lower Upper
101 100
103 64.4 52.3 78.5

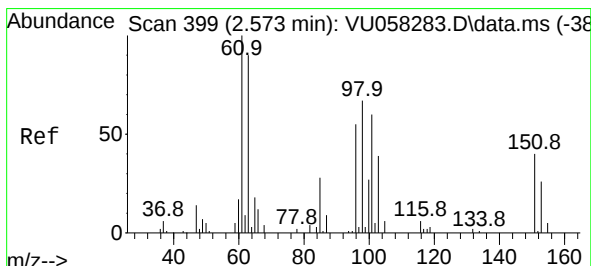
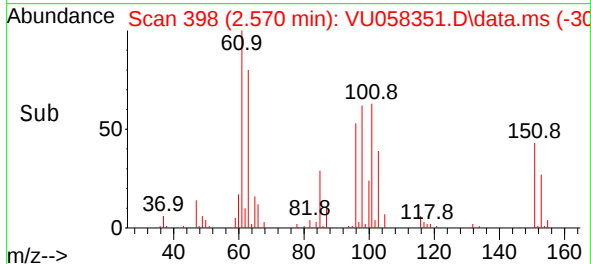
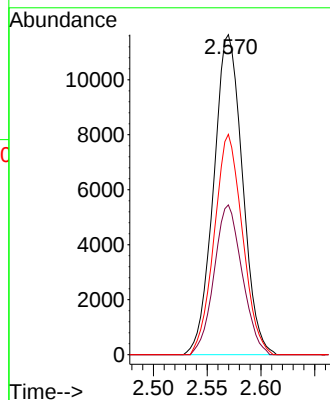
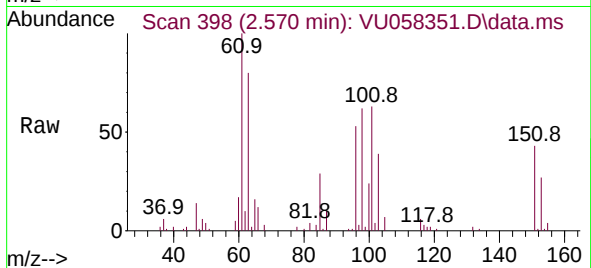




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.685 ug/L
RT: 2.570 min Scan# 399
Delta R.T. -0.006 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

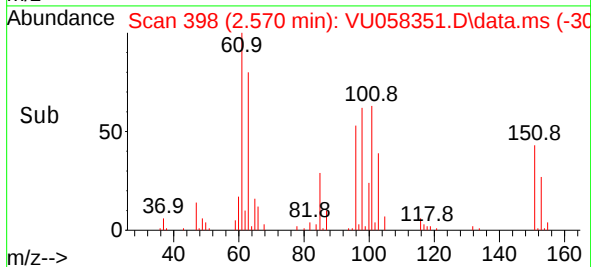
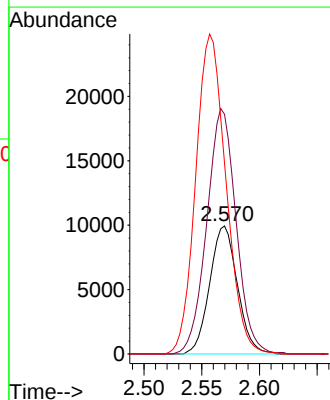
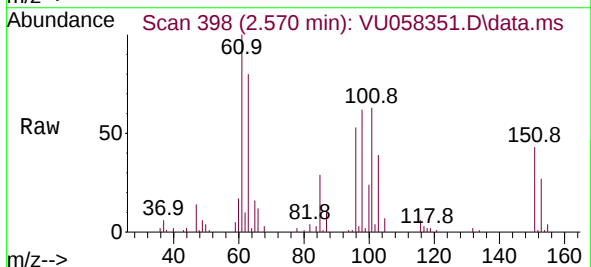
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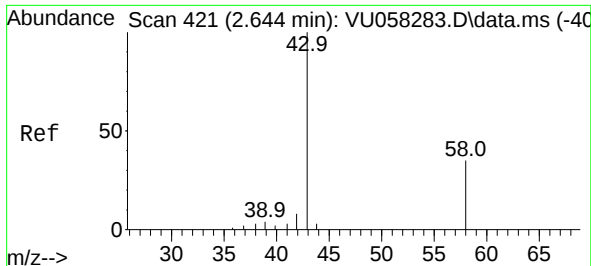
Tgt Ion:101 Resp: 21722
Ion Ratio Lower Upper
101 100
85 45.5 37.9 56.9
151 67.5 55.3 82.9



#12
1,1-Dichloroethene
Concen: 4.261 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.006 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

Tgt Ion: 96 Resp: 16563
Ion Ratio Lower Upper
96 100
61 187.2 128.1 237.9
63 149.1 116.8 217.0





#13

Acetone

Concen: 59.840 ug/L

RT: 2.640 min Scan# 41

Delta R.T. -0.000 min MSVOA_U

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

Instrument :

MSVOA_U

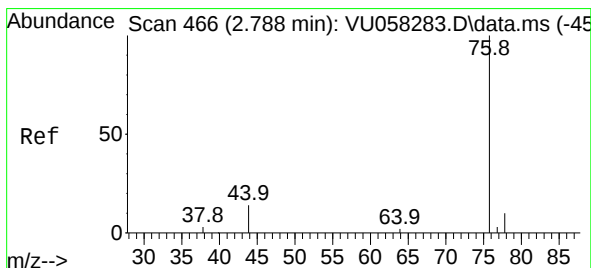
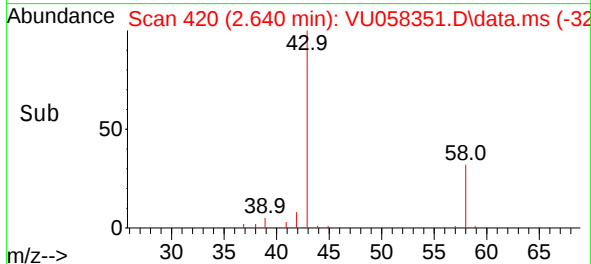
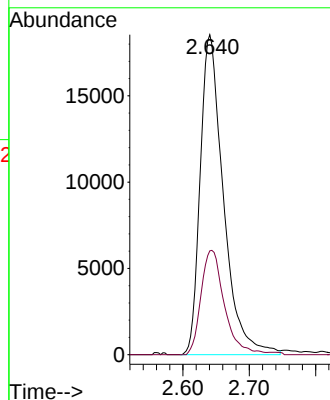
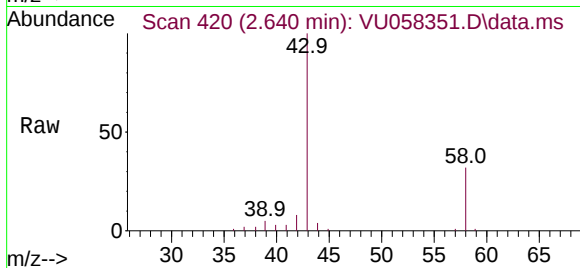
ClientSampleId :

Tgt Ion: 43 Resp: 45081

Ion Ratio Lower Upper

43 100

58 32.8 0.0 64.6



#14

Carbon disulfide

Concen: 3.409 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.006 min

Lab File: VU058351.D

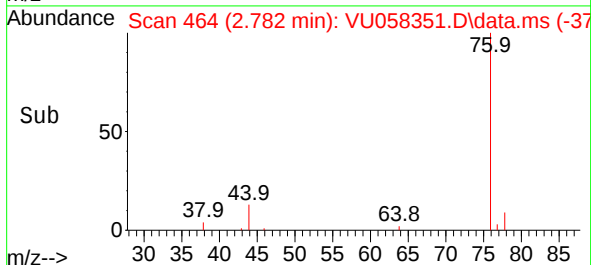
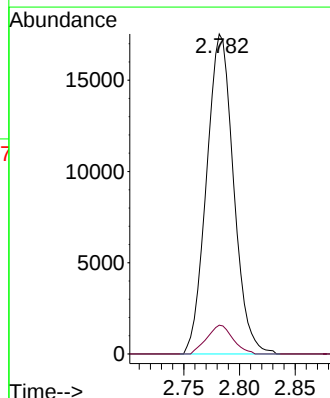
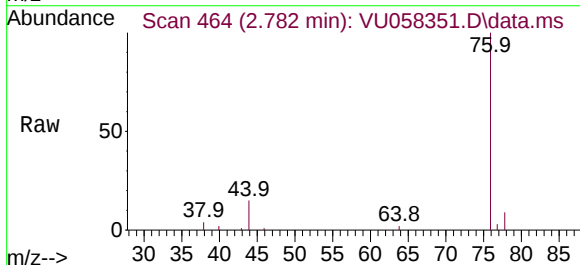
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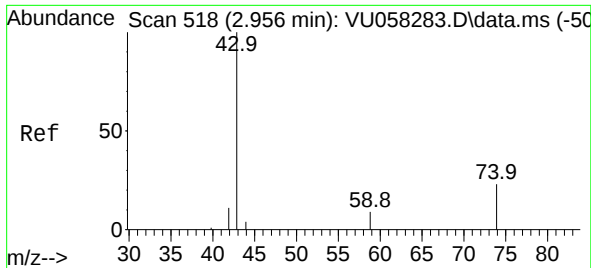
Tgt Ion: 76 Resp: 29609

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methyl Acetate

Concen: 5.010 ug/L

RT: 2.949 min Scan# 51

Delta R.T. -0.003 min

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

Instrument :

MSVOA_U

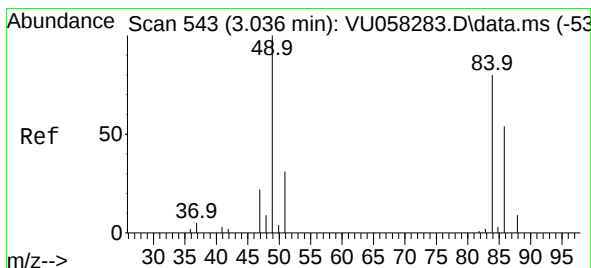
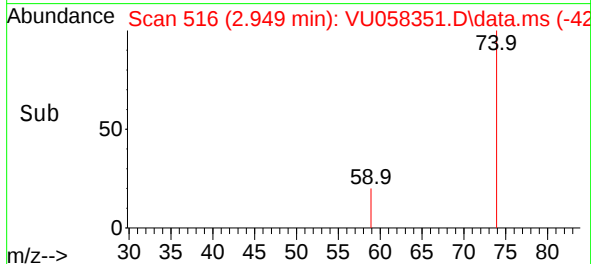
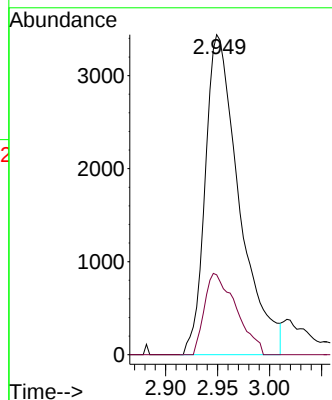
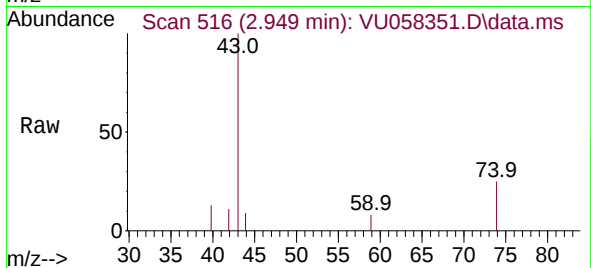
ClientSampleId :

Tgt Ion: 43 Resp: 7835

Ion Ratio Lower Upper

43 100

74 23.7 16.8 25.2



#16

Methylene chloride

Concen: 4.905 ug/L

RT: 3.033 min Scan# 542

Delta R.T. -0.003 min

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

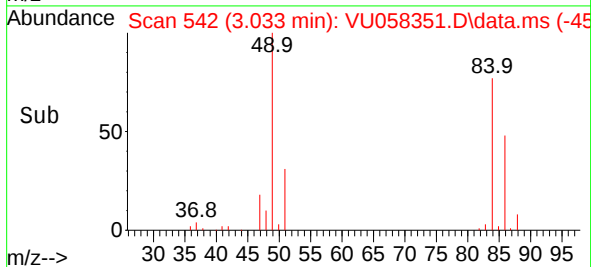
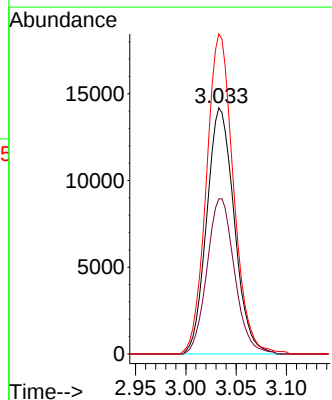
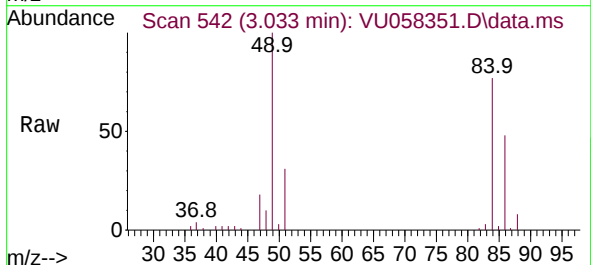
Tgt Ion: 84 Resp: 27018

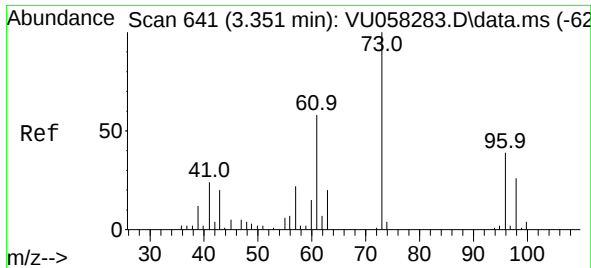
Ion Ratio Lower Upper

84 100

86 63.0 45.6 84.6

49 130.0 88.3 163.9

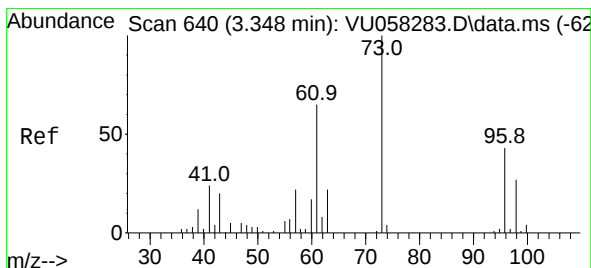
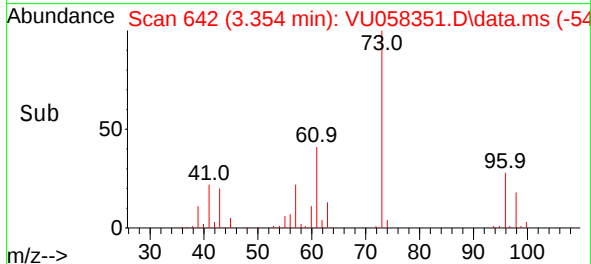
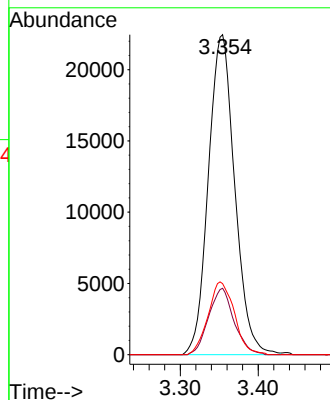
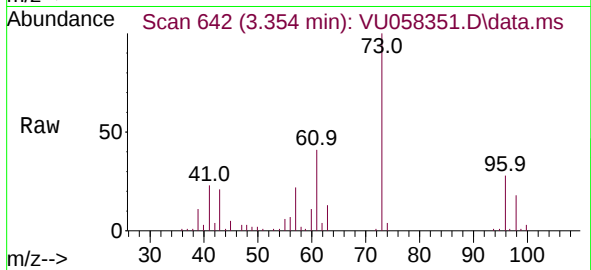




#17
Methyl tert-butyl Ether
Concen: 5.057 ug/L
RT: 3.354 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

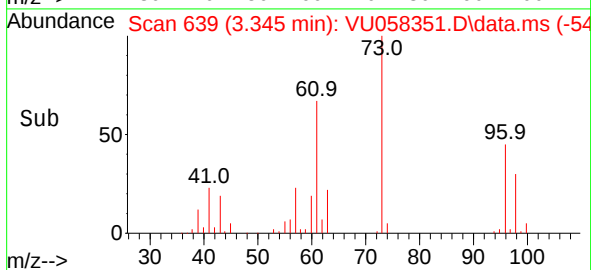
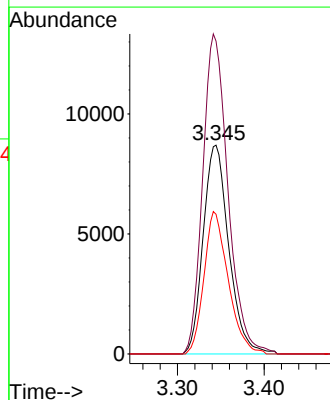
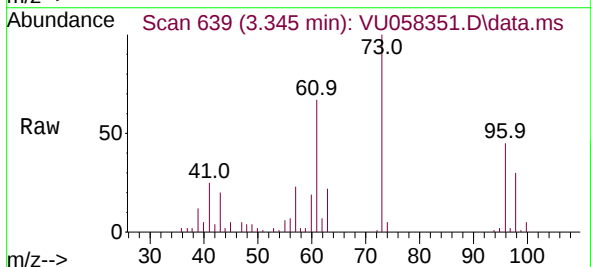
Instrument :
MSVOA_U
ClientSampleId :

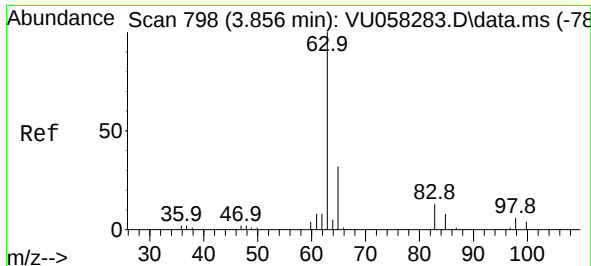
Tgt Ion: 73 Resp: 52757
Ion Ratio Lower Upper
73 100
43 20.0 15.5 23.3
57 22.7 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 4.409 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

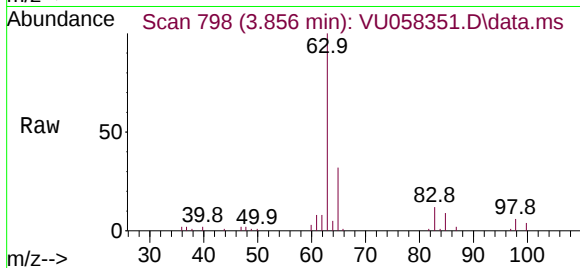
Tgt Ion: 96 Resp: 17911
Ion Ratio Lower Upper
96 100
61 149.8 102.5 190.3
98 66.9 44.0 81.8



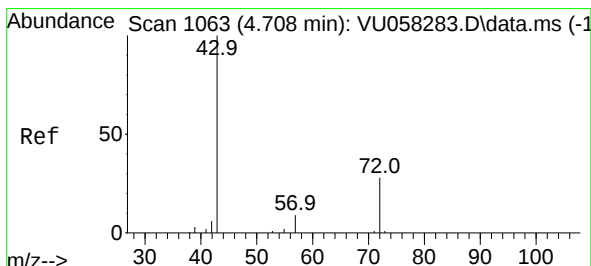
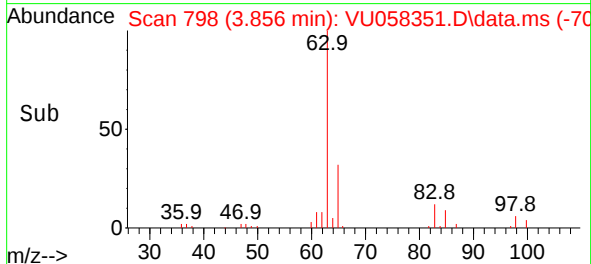
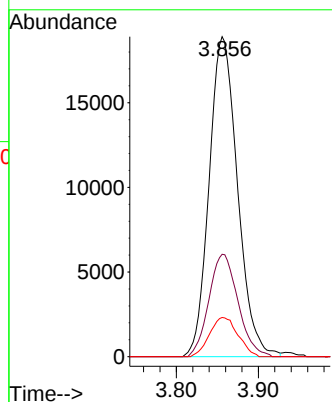


#19
1,1-Dichloroethane
Concen: 4.979 ug/L
RT: 3.856 min Scan# 798
Delta R.T. -0.003 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

Instrument :
MSVOA_U
ClientSampleId :

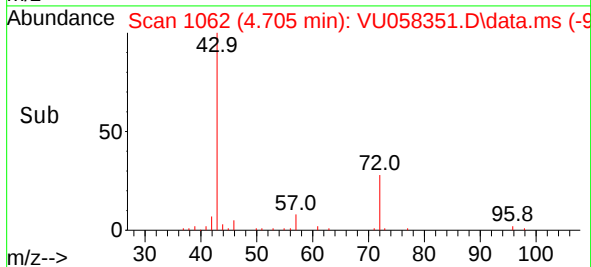
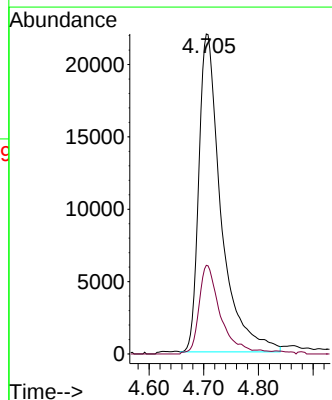
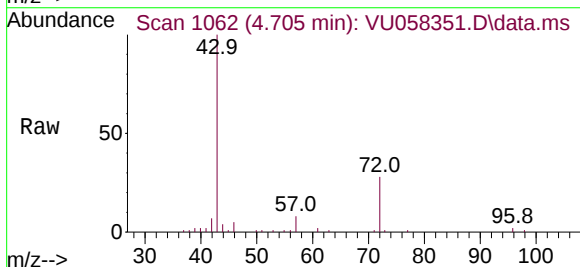


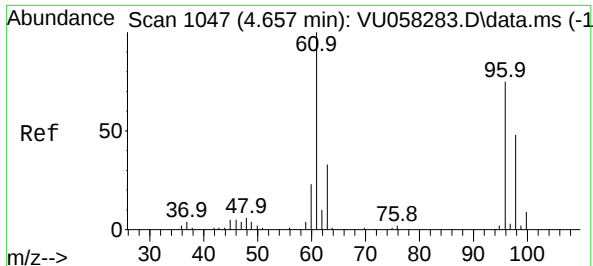
Tgt Ion: 63 Resp: 45447
Ion Ratio Lower Upper
63 100
65 32.7 22.3 41.5
83 12.3 10.0 18.6



#21
2-Butanone
Concen: 54.188 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. -0.000 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

Tgt Ion: 43 Resp: 62021
Ion Ratio Lower Upper
43 100
72 26.5 14.0 41.9

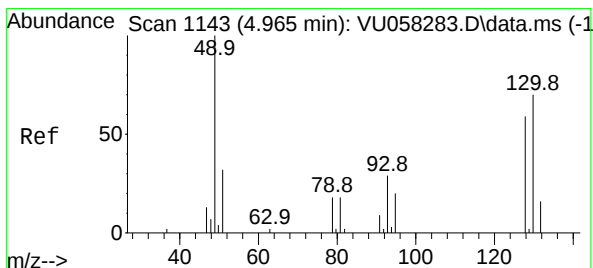
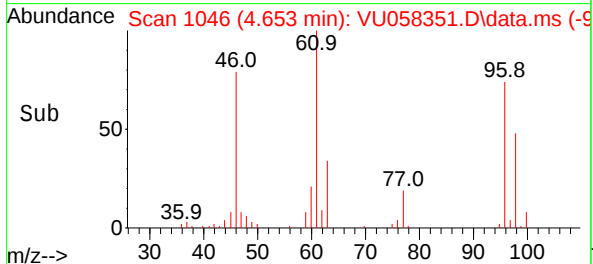
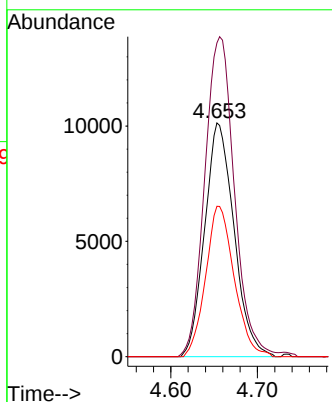
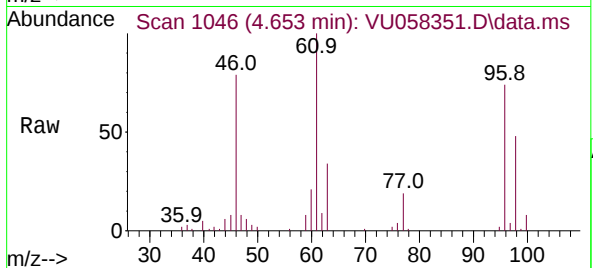




#22
cis-1,2-Dichloroethene
Concen: 4.753 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.006 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

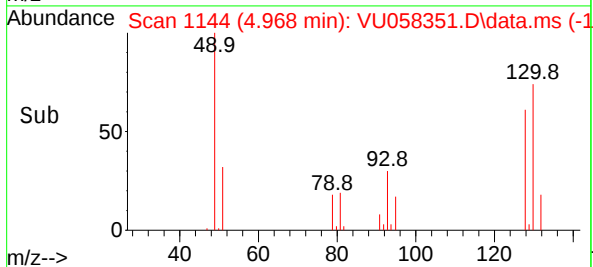
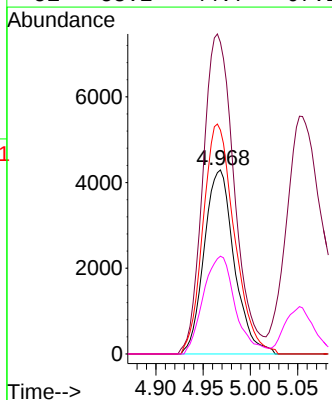
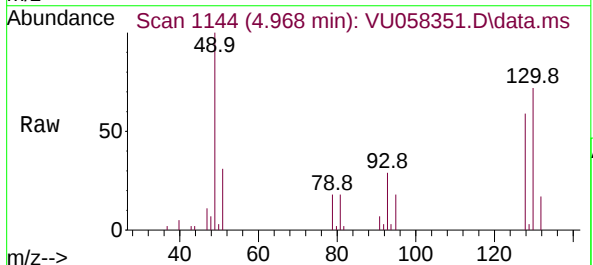
Instrument :
MSVOA_U
ClientSampleId :

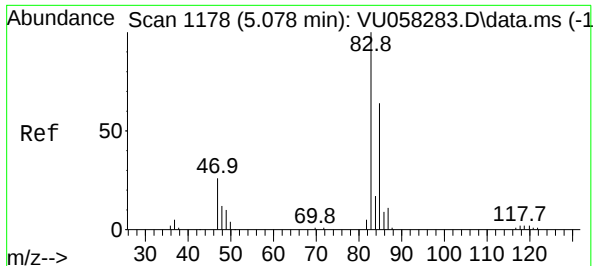
Tgt Ion: 96 Resp: 23861
Ion Ratio Lower Upper
96 100
61 134.2 92.8 172.4
98 64.3 43.2 80.2



#23
Bromochloromethane
Concen: 5.074 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

Tgt Ion:128 Resp: 9505
Ion Ratio Lower Upper
128 100
49 169.4 125.0 232.2
130 121.7 92.3 171.5
51 53.2 44.7 67.1

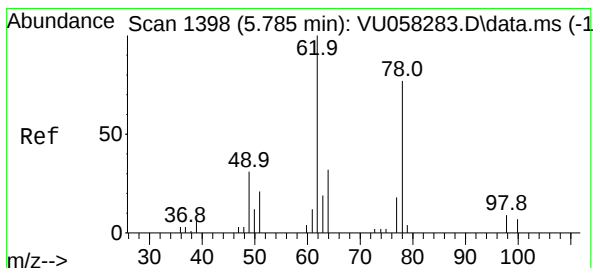
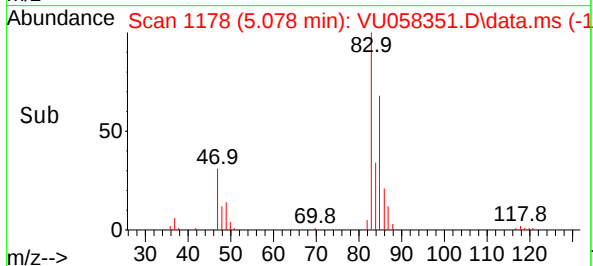
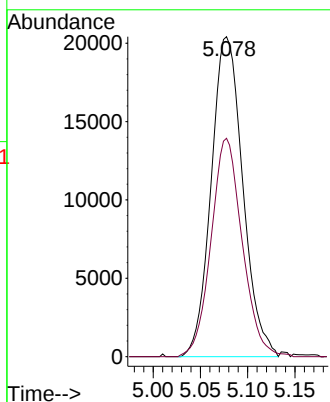
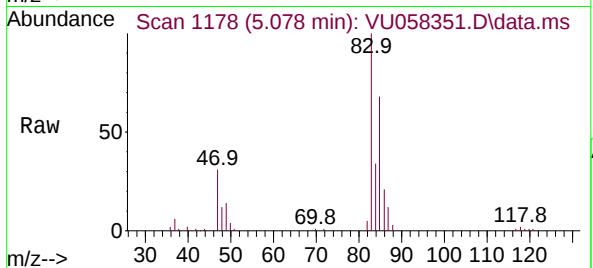




#25
Chloroform
Concen: 4.963 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. -0.003 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

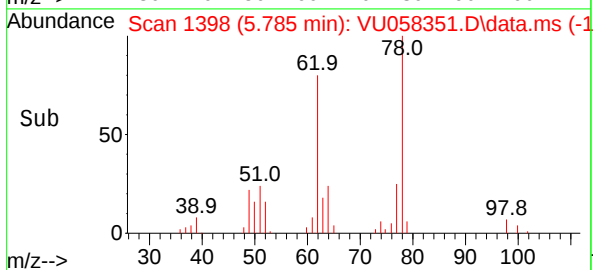
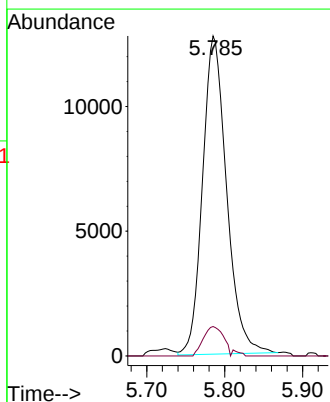
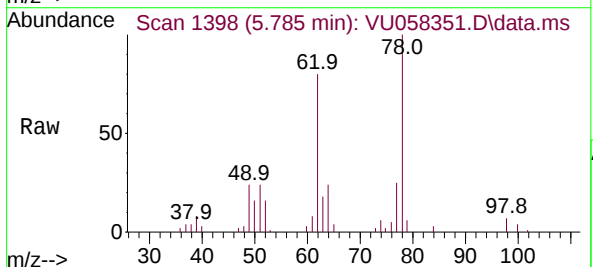
Instrument :
MSVOA_U
ClientSampleId :

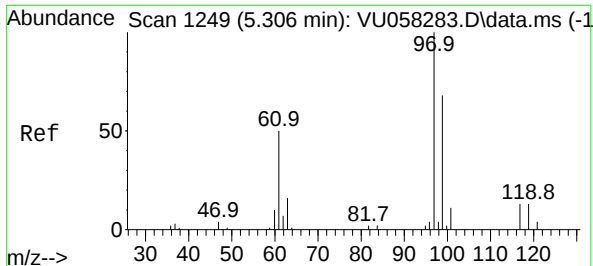
Tgt Ion: 83 Resp: 47503
Ion Ratio Lower Upper
83 100
85 68.3 47.9 88.9



#27
1,2-Dichloroethane
Concen: 5.033 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. -0.003 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

Tgt Ion: 62 Resp: 27351
Ion Ratio Lower Upper
62 100
98 9.2 6.6 10.0

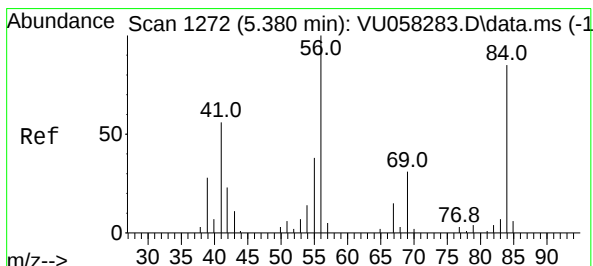
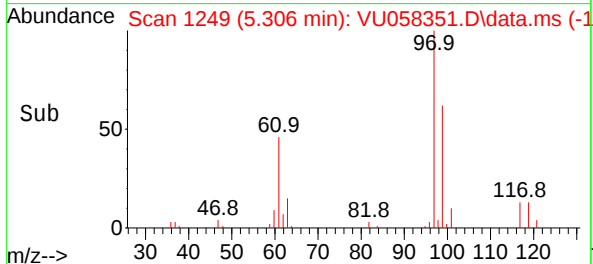
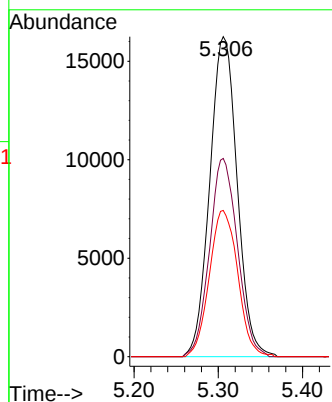
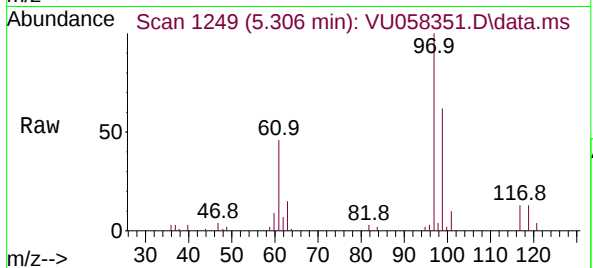




#29
1,1,1-Trichloroethane
Concen: 4.743 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

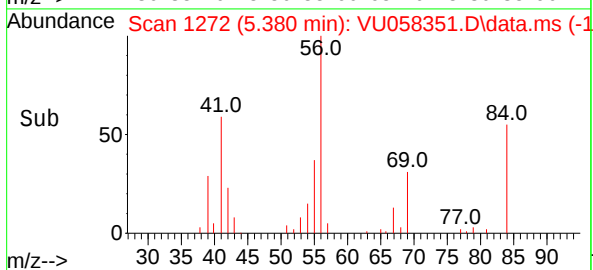
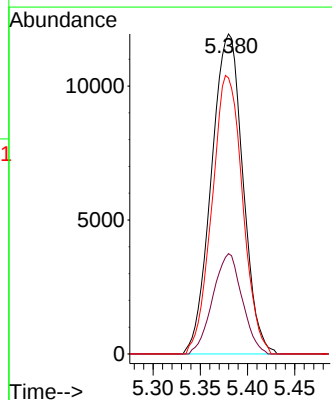
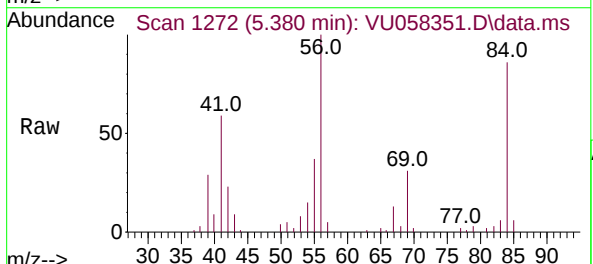
Instrument :
MSVOA_U
ClientSampleId :

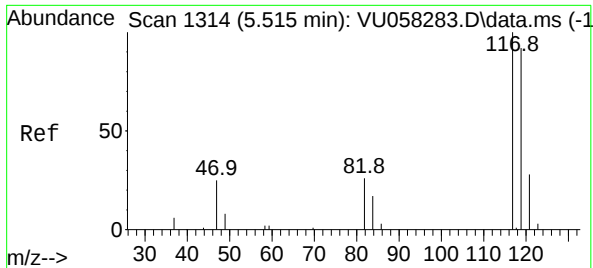
Tgt Ion: 97 Resp: 36744
Ion Ratio Lower Upper
97 100
99 63.2 50.5 75.7
61 47.3 36.3 54.5



#30
Cyclohexane
Concen: 4.093 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

Tgt Ion: 56 Resp: 27700
Ion Ratio Lower Upper
56 100
69 29.2 24.2 36.2
84 84.4 69.7 104.5

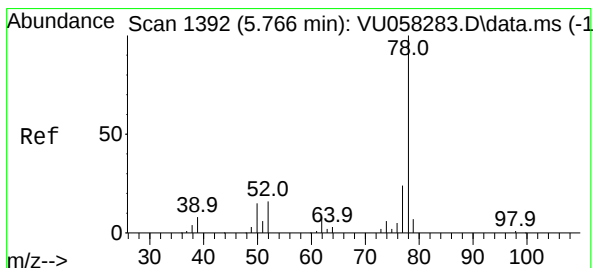
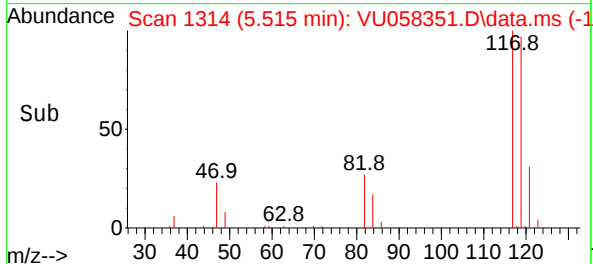
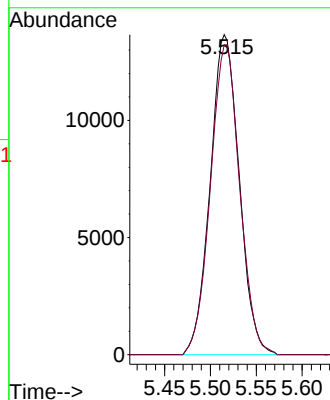
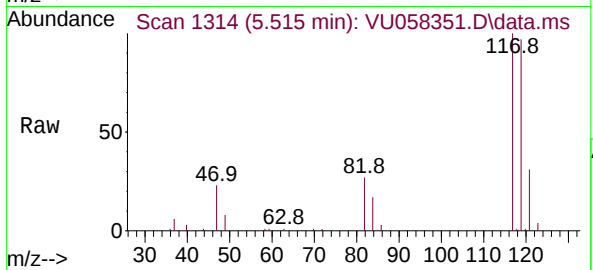




#31
Carbon tetrachloride
Concen: 4.557 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

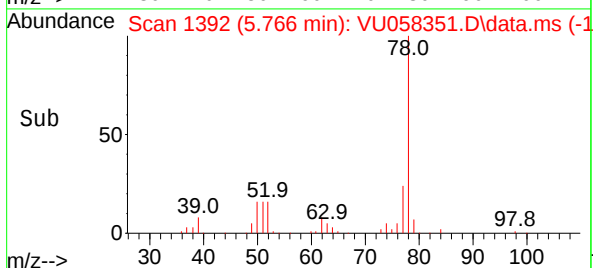
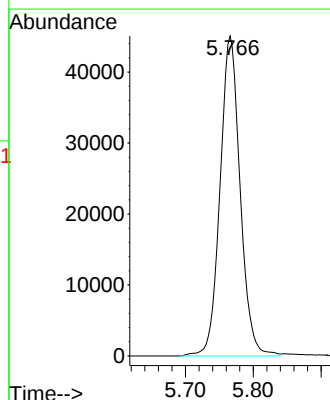
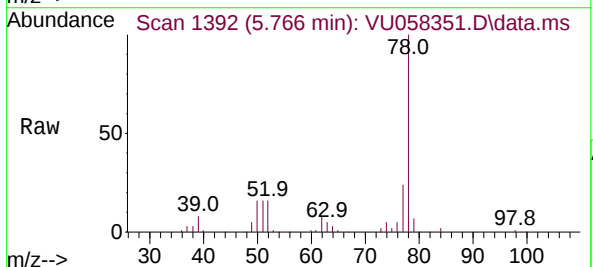
Instrument :
MSVOA_U
ClientSampleId :

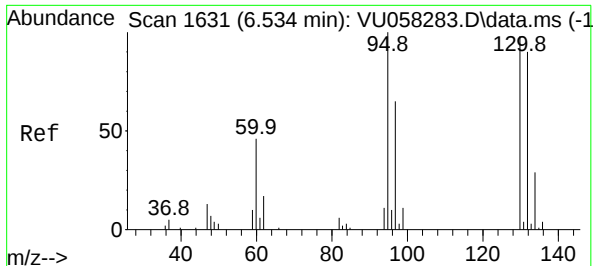
Tgt Ion:117 Resp: 30056
Ion Ratio Lower Upper
117 100
119 97.5 78.1 117.1



#33
Benzene
Concen: 4.716 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

Tgt Ion: 78 Resp: 92808





#34

Trichloroethene

Concen: 4.539 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 23273

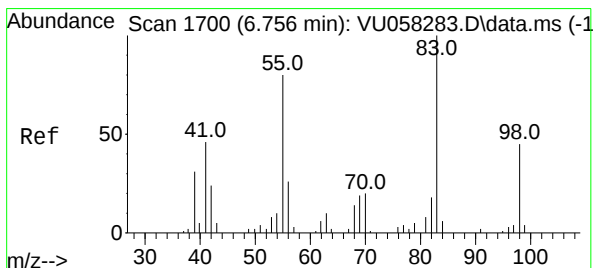
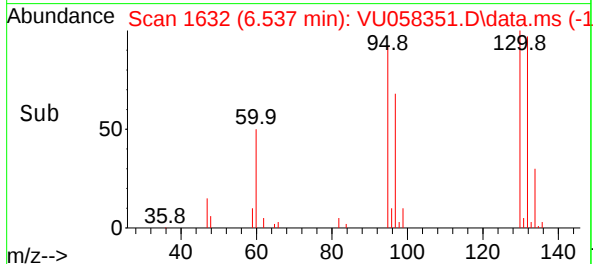
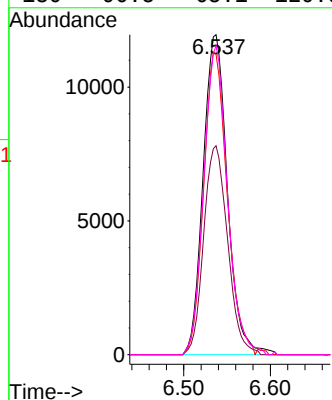
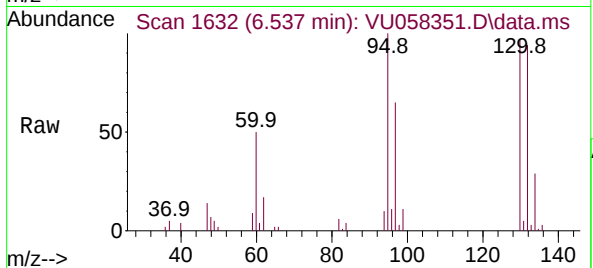
Ion Ratio Lower Upper

95 100

97 65.3 47.7 88.7

132 93.8 63.6 118.2

130 96.5 65.1 120.9



#35

Methylcyclohexane

Concen: 4.166 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

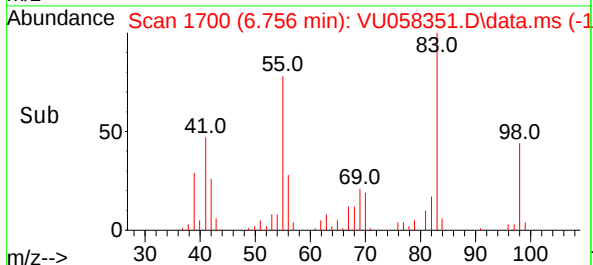
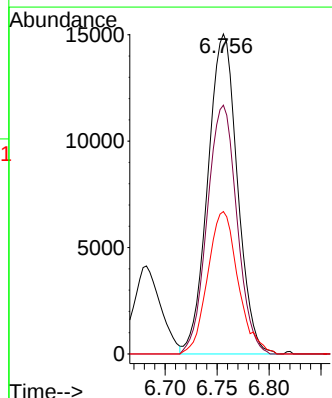
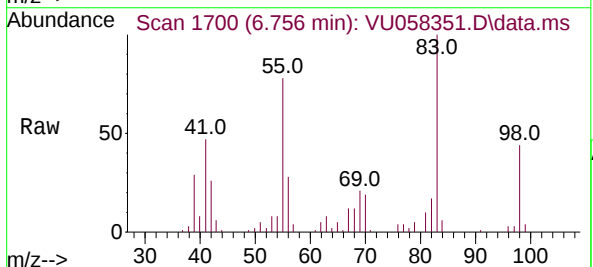
Tgt Ion: 83 Resp: 29792

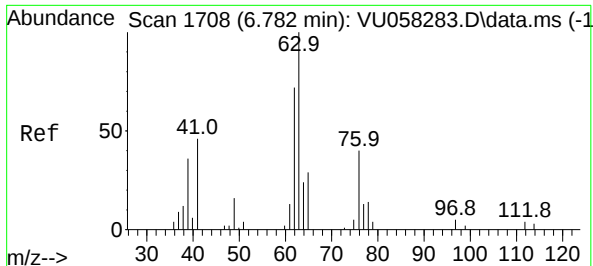
Ion Ratio Lower Upper

83 100

55 78.0 62.7 94.1

98 45.7 37.3 55.9

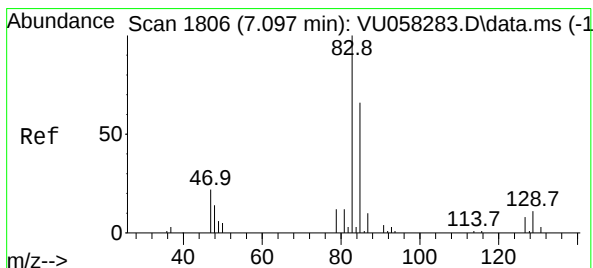
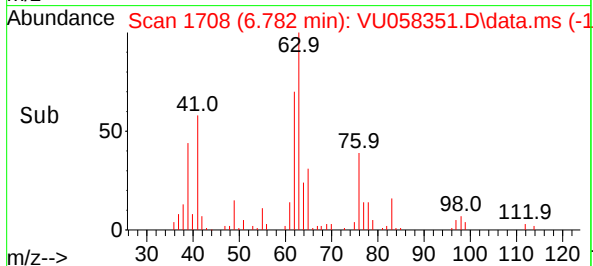
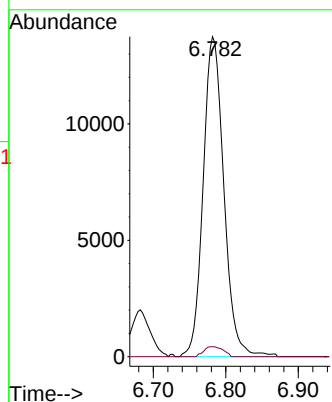
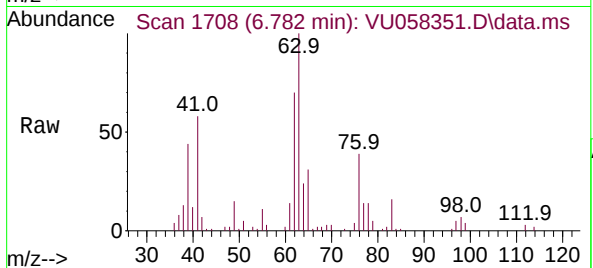




#37
1,2-Dichloropropane
Concen: 4.965 ug/L
RT: 6.782 min Scan# 1708
Delta R.T. -0.003 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

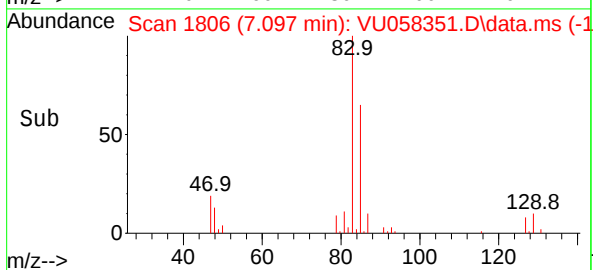
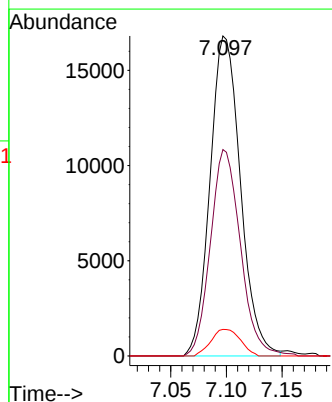
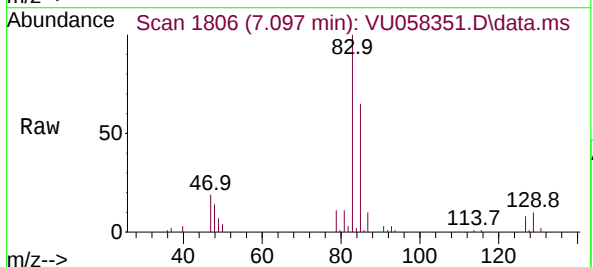
Instrument :
MSVOA_U
ClientSampleId :

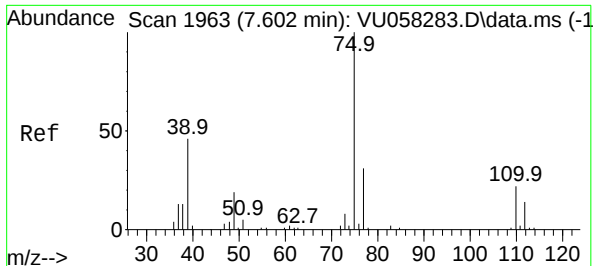
Tgt Ion: 63 Resp: 27294
Ion Ratio Lower Upper
63 100
112 2.9 2.7 4.1



#38
Bromodichloromethane
Concen: 5.070 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

Tgt Ion: 83 Resp: 31951
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.8
127 8.3 7.1 10.7

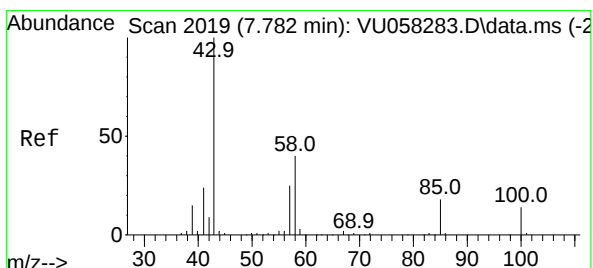
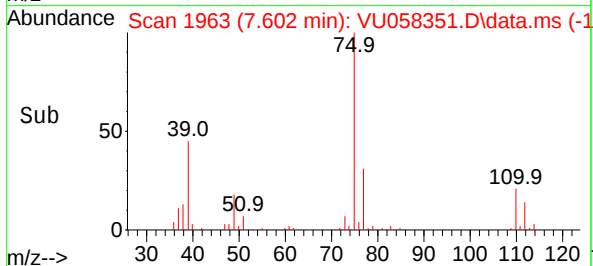
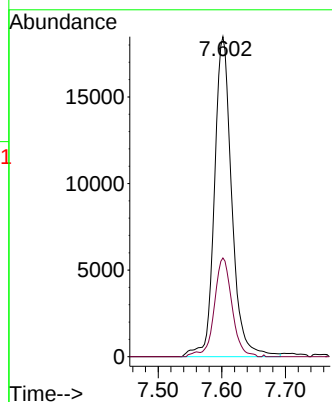
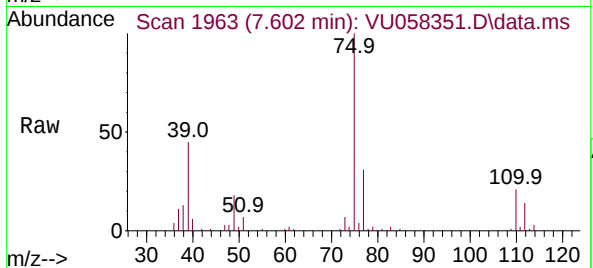




#39
 cis-1,3-Dichloropropene
 Concen: 5.017 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU058351.D
 Acq: 03 Apr 2024 09:46

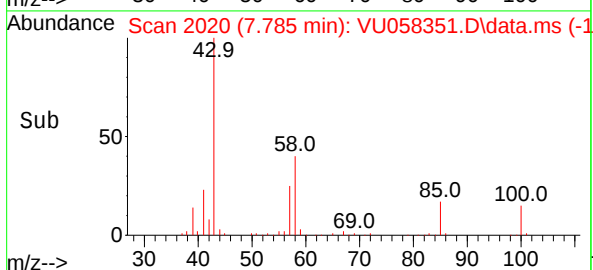
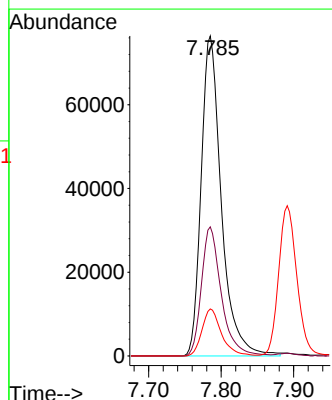
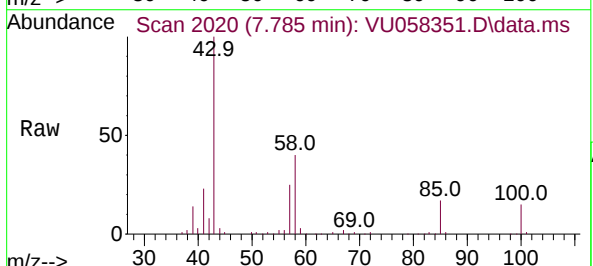
Instrument :
 MSVOA_U
 ClientSampleId :

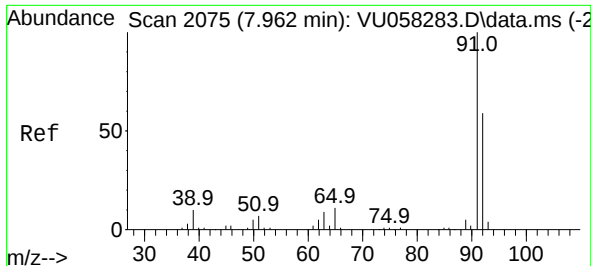
Tgt Ion: 75 Resp: 34980
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 53.139 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. -0.000 min
 Lab File: VU058351.D
 Acq: 03 Apr 2024 09:46

Tgt Ion: 43 Resp: 147723
 Ion Ratio Lower Upper
 43 100
 58 39.7 33.2 49.8
 100 14.2 11.5 17.3





#42

Toluene

Concen: 4.738 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.003 min

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

Instrument :

MSVOA_U

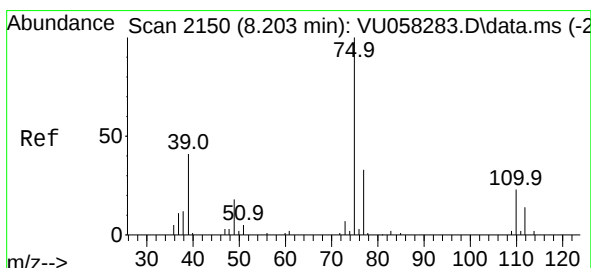
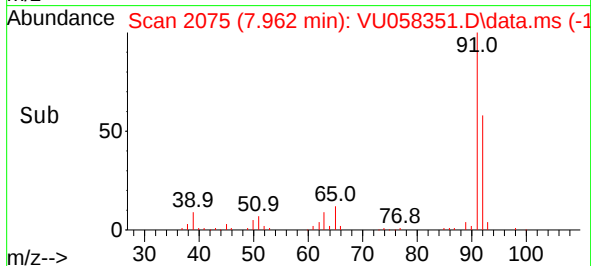
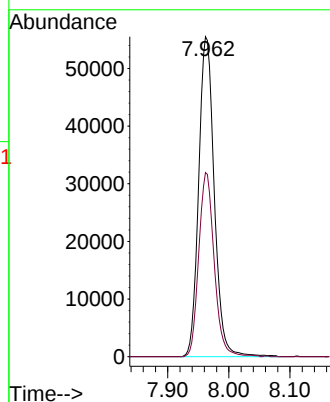
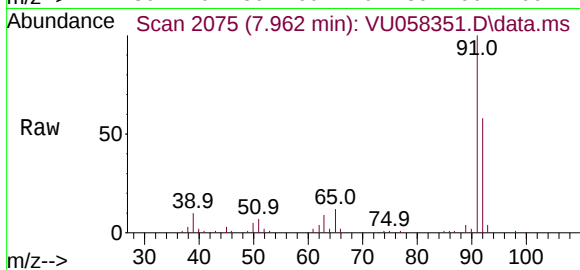
ClientSampleId :

Tgt Ion: 91 Resp: 98531

Ion Ratio Lower Upper

91 100

92 57.5 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.980 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU058351.D

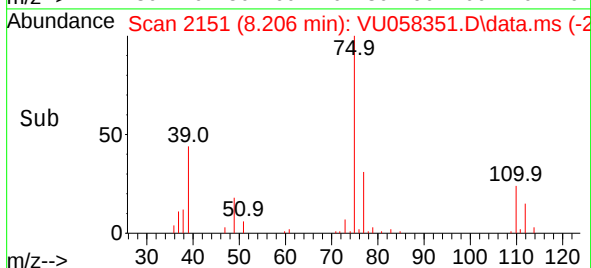
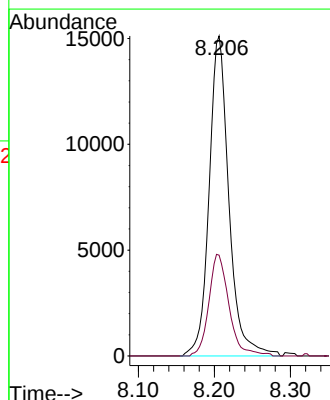
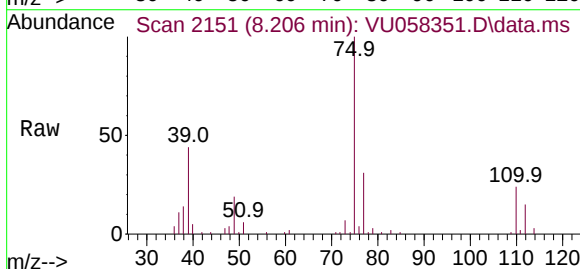
Acq: 03 Apr 2024 09:46

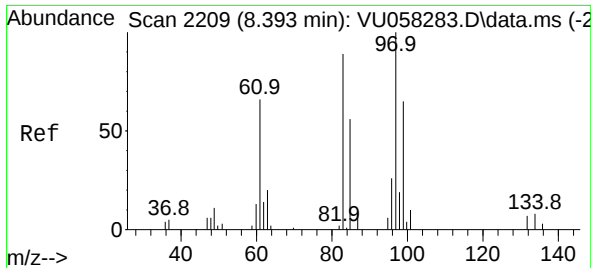
Tgt Ion: 75 Resp: 27327

Ion Ratio Lower Upper

75 100

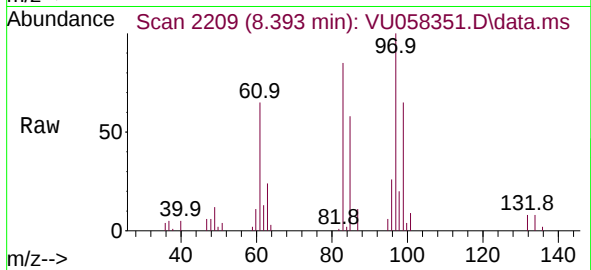
77 31.5 21.7 40.3



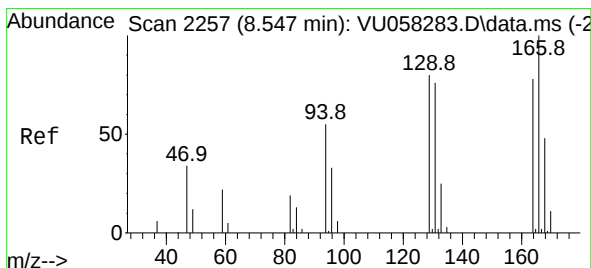
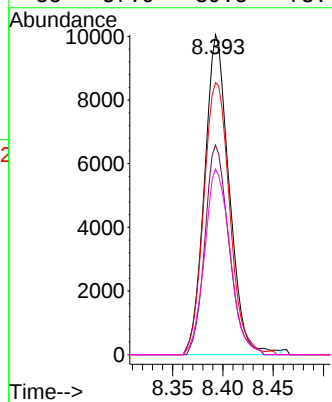
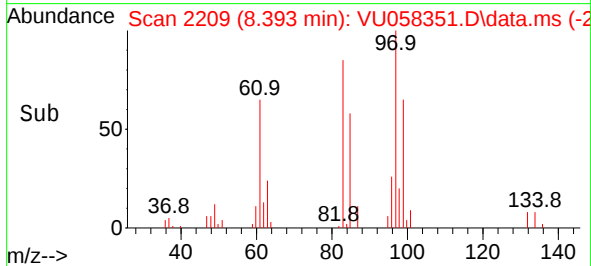


#45
1,1,2-Trichloroethane
Concen: 4.948 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

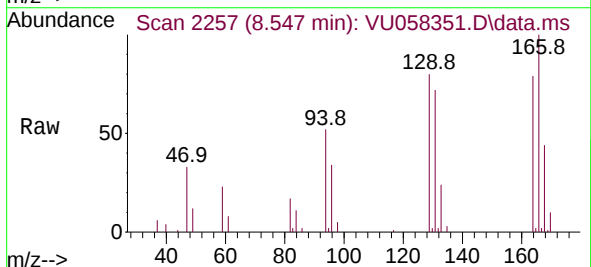
Instrument :
MSVOA_U
ClientSampleId :



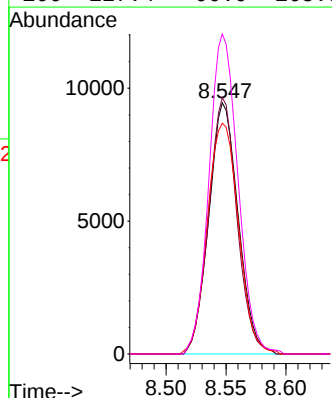
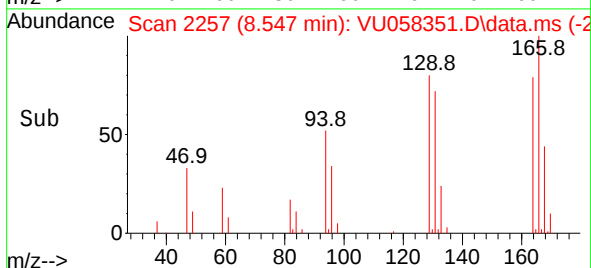
Tgt Ion:	97	Resp:	17135
Ion	Ratio	Lower	Upper
97	100		
99	65.4	44.5	82.7
83	85.1	64.1	119.1
85	57.9	39.5	73.4

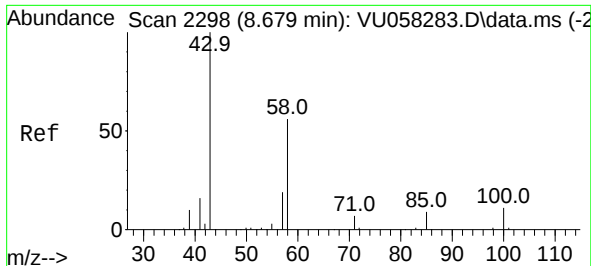


#47
Tetrachloroethene
Concen: 4.679 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46



Tgt Ion:	164	Resp:	16068
Ion	Ratio	Lower	Upper
164	100		
129	102.0	71.3	132.3
131	91.8	70.8	131.4
166	127.4	90.9	168.9





#48

2-Hexanone

Concen: 55.443 ug/L

RT: 8.682 min Scan# 21

Delta R.T. 0.003 min

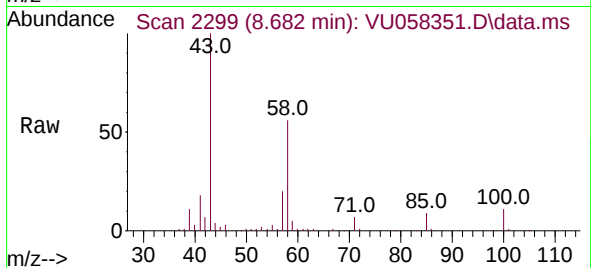
Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 112243

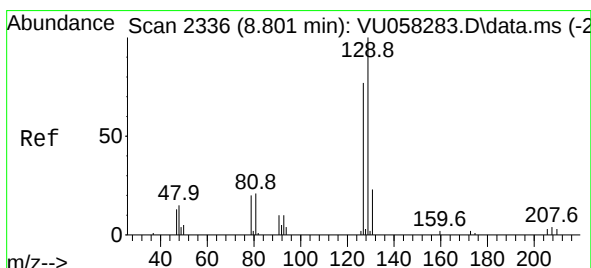
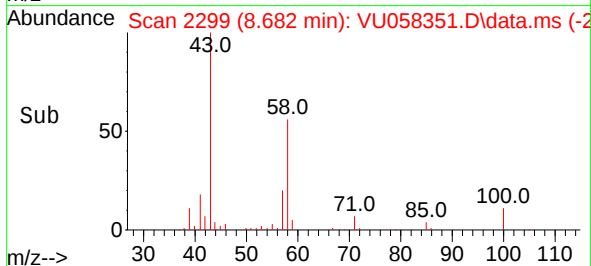
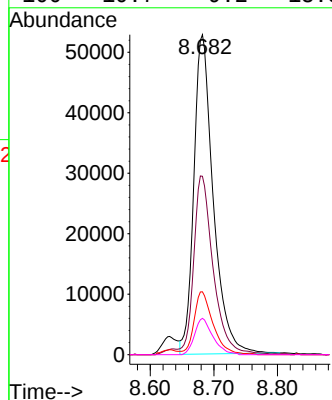
Ion Ratio Lower Upper

43 100

58 55.6 48.3 72.5

57 18.6 16.3 24.5

100 10.7 9.2 13.8



#49

Dibromochloromethane

Concen: 5.081 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VU058351.D

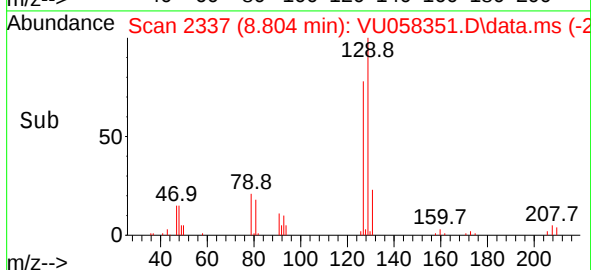
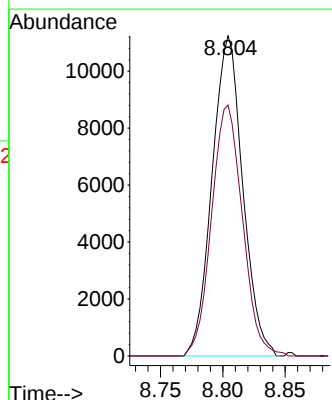
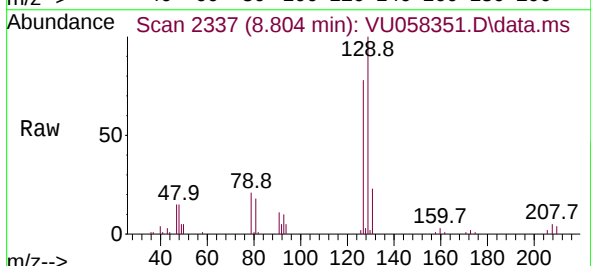
Acq: 03 Apr 2024 09:46

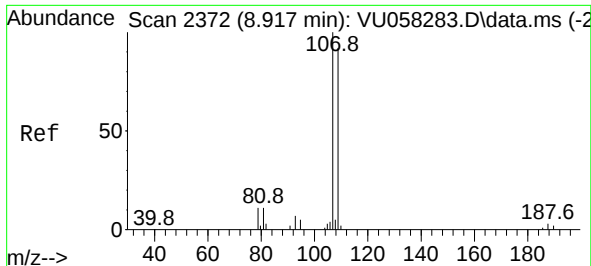
Tgt Ion:129 Resp: 19252

Ion Ratio Lower Upper

129 100

127 78.4 55.7 103.5





#50

1,2-Dibromoethane

Concen: 4.884 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. -0.003 min

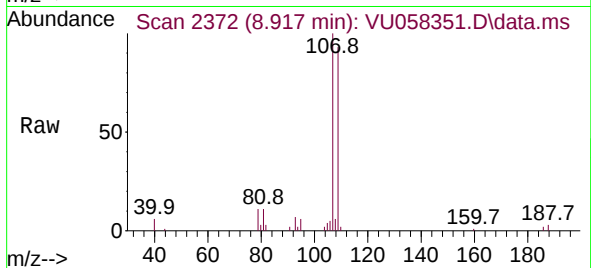
Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

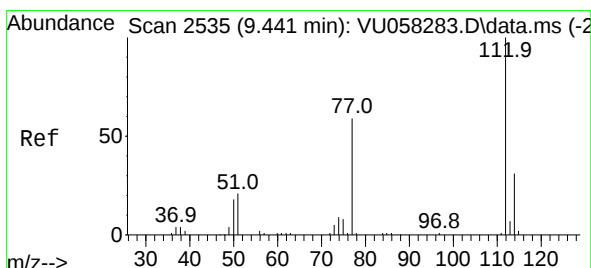
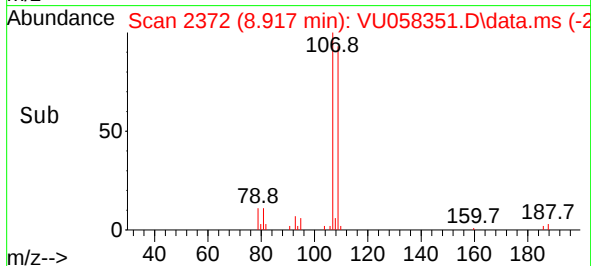
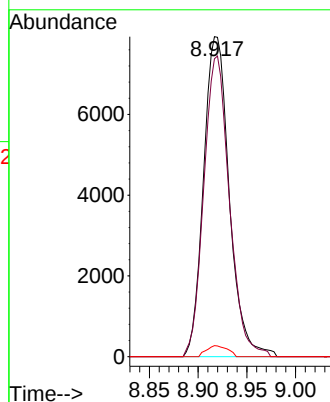
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	107	Resp:	14558
Ion Ratio	Lower	Upper	
107	100		
109	93.1	67.8	125.8
188	3.5	2.5	3.7



#51

Chlorobenzene

Concen: 4.812 ug/L

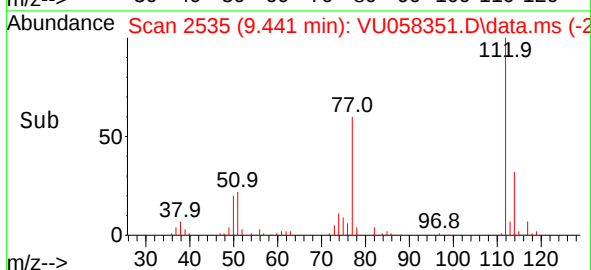
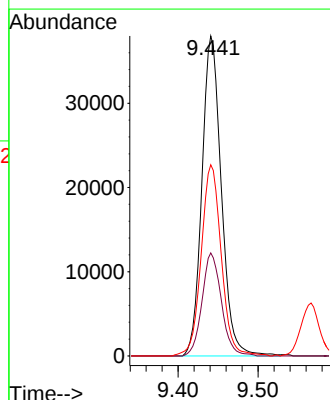
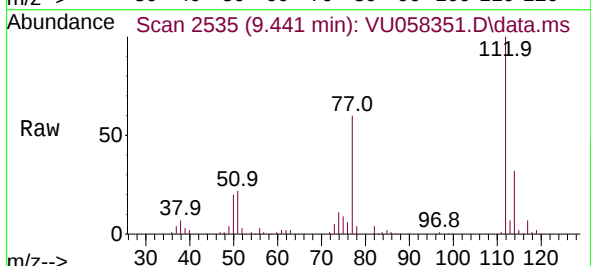
RT: 9.441 min Scan# 2535

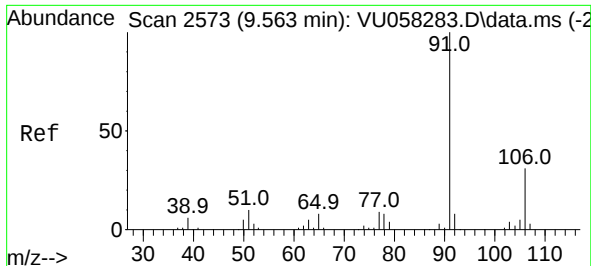
Delta R.T. -0.000 min

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

Tgt Ion:	112	Resp:	64468
Ion Ratio	Lower	Upper	
112	100		
114	32.2	22.7	42.3
77	59.8	48.9	73.3





#52

Ethylbenzene

Concen: 4.668 ug/L

RT: 9.566 min Scan# 2573

Delta R.T. 0.003 min

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

Instrument :

MSVOA_U

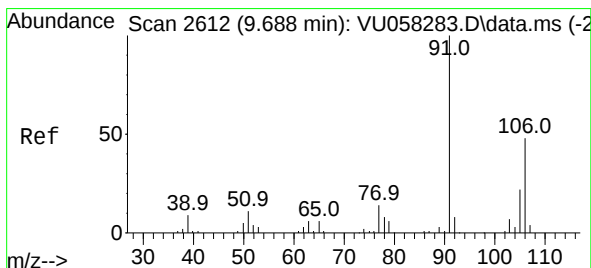
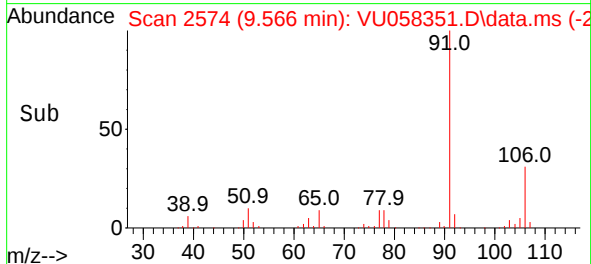
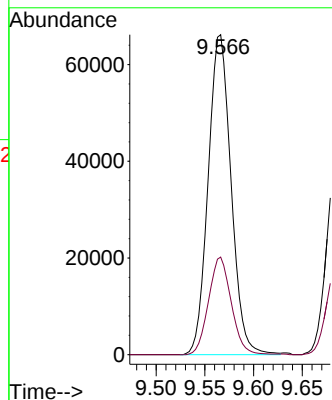
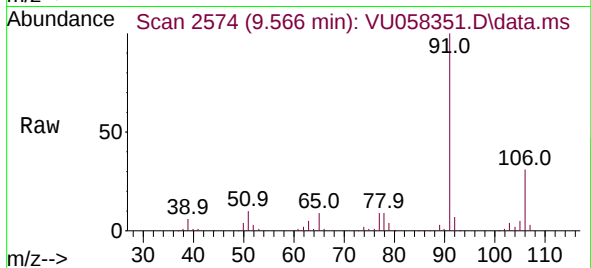
ClientSampleId :

Tgt Ion: 91 Resp: 108385

Ion Ratio Lower Upper

91 100

106 30.5 20.6 38.2



#53

m,p-Xylene

Concen: 4.781 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU058351.D

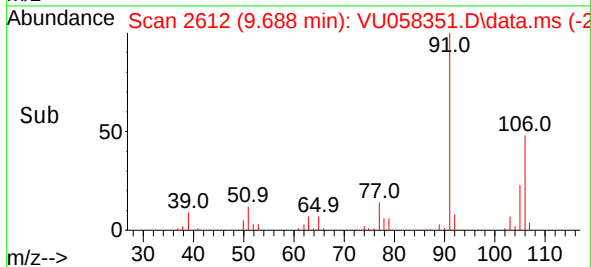
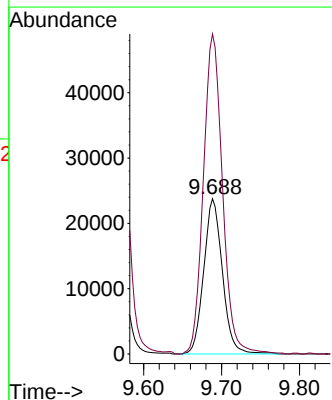
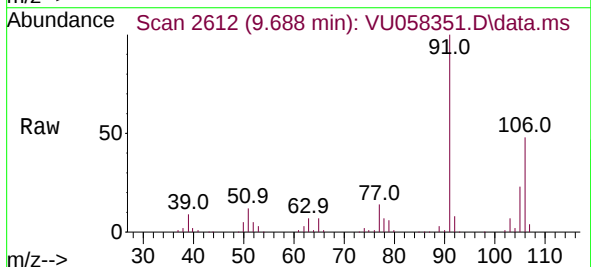
Acq: 03 Apr 2024 09:46

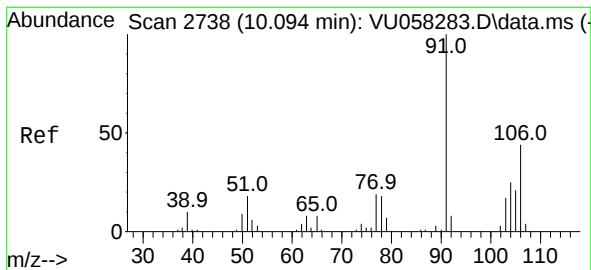
Tgt Ion:106 Resp: 39556

Ion Ratio Lower Upper

106 100

91 206.2 151.0 280.4





#54

o-Xylene

Concen: 4.804 ug/L

RT: 10.093 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

Instrument :

MSVOA_U

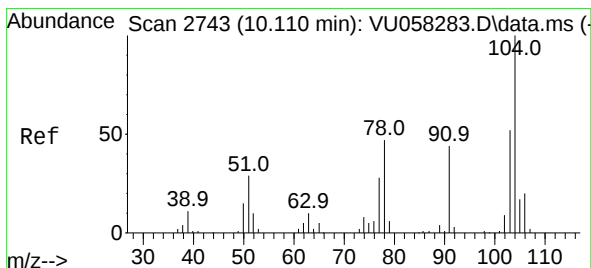
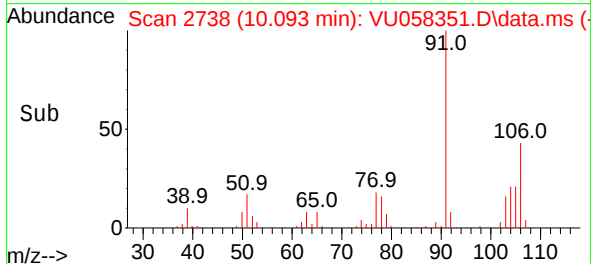
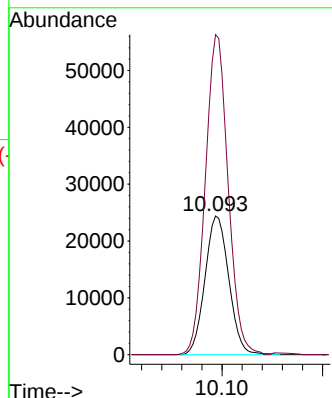
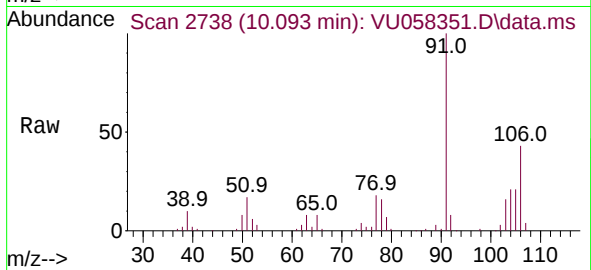
ClientSampleId :

Tgt Ion:106 Resp: 40118

Ion Ratio Lower Upper

106 100

91 230.7 154.3 286.7



#55

Styrene

Concen: 4.969 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU058351.D

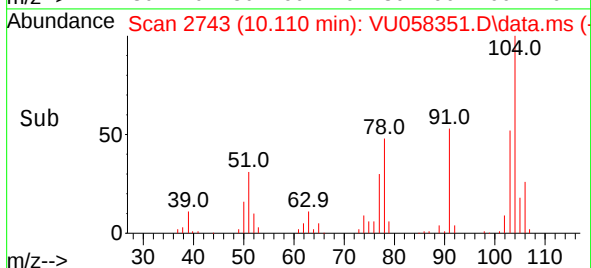
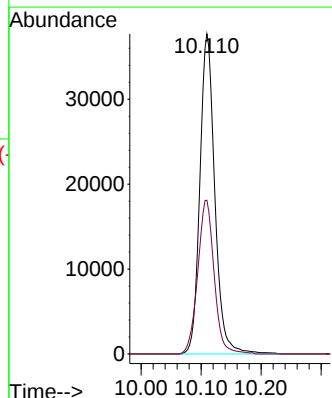
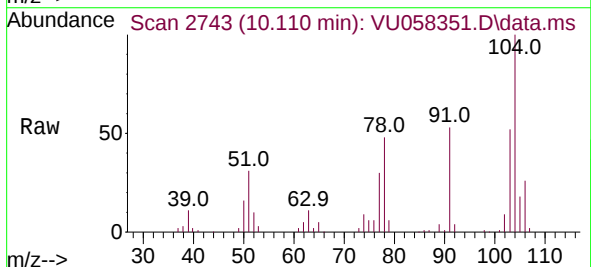
Acq: 03 Apr 2024 09:46

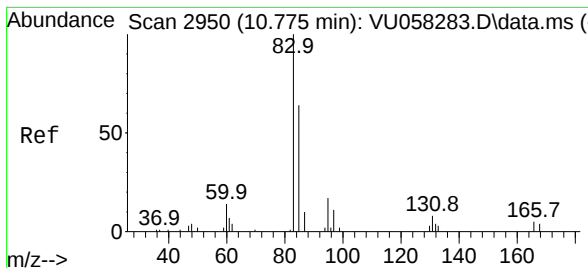
Tgt Ion:104 Resp: 65521

Ion Ratio Lower Upper

104 100

78 48.1 34.5 64.1

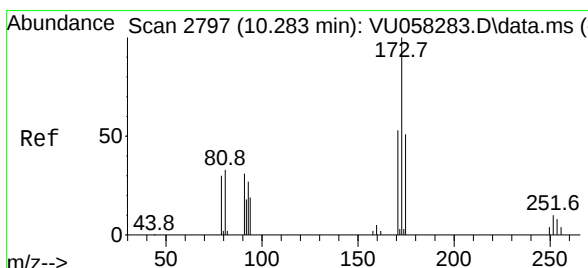
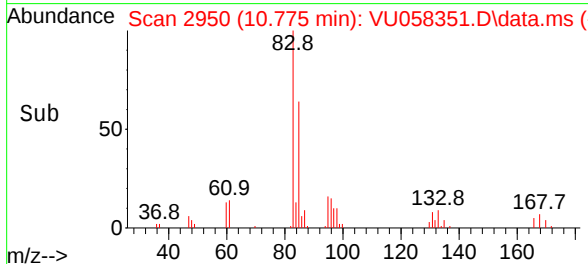
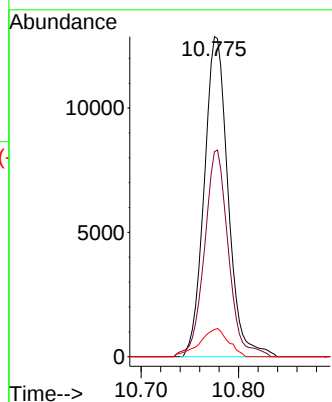
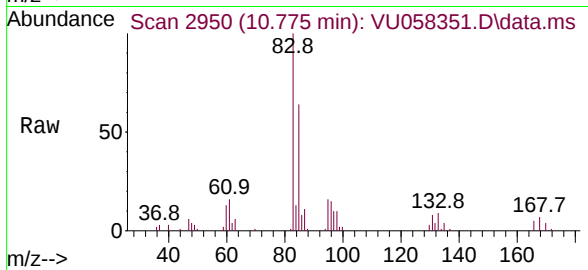




#57
1,1,2,2-Tetrachloroethane
Concen: 5.363 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

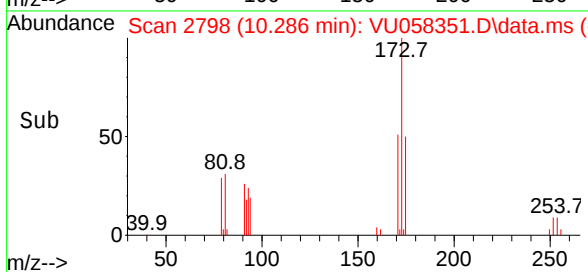
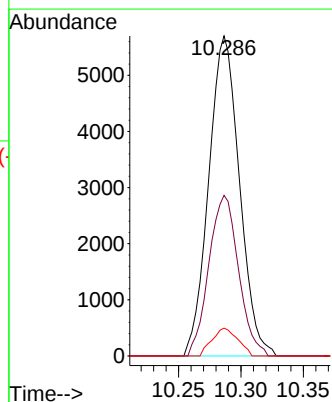
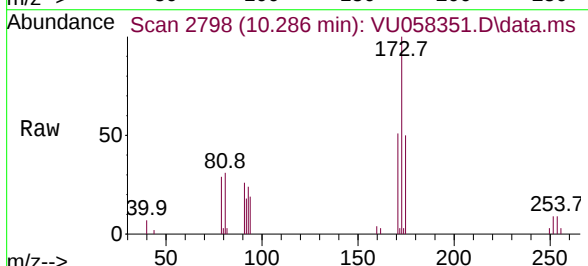
Instrument :
MSVOA_U
ClientSampleId :

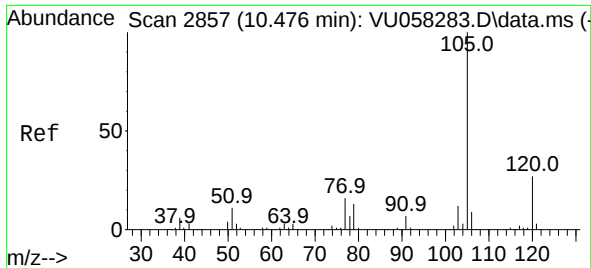
Tgt Ion: 83 Resp: 21890
Ion Ratio Lower Upper
83 100
85 64.1 44.7 82.9
131 8.5 7.0 10.6



#59
Bromoform
Concen: 5.159 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

Tgt Ion:173 Resp: 9779
Ion Ratio Lower Upper
173 100
175 48.4 40.9 61.3
254 7.3 5.8 8.8

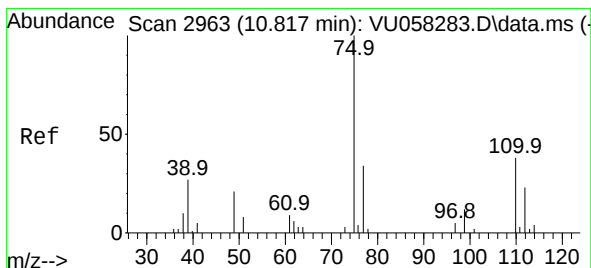
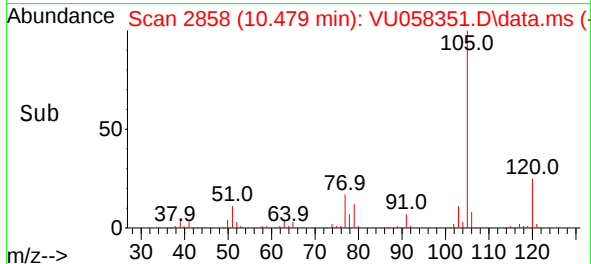
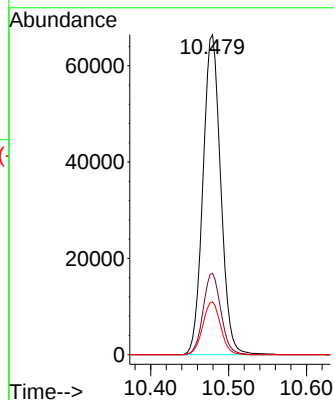
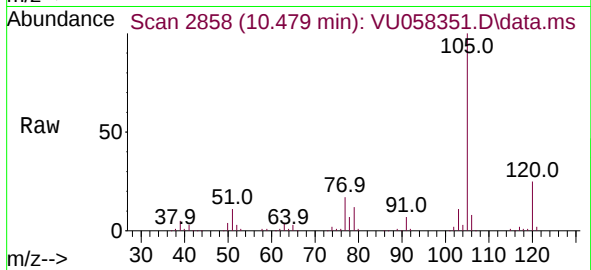




#60
Isopropylbenzene
Concen: 4.838 ug/L
RT: 10.479 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

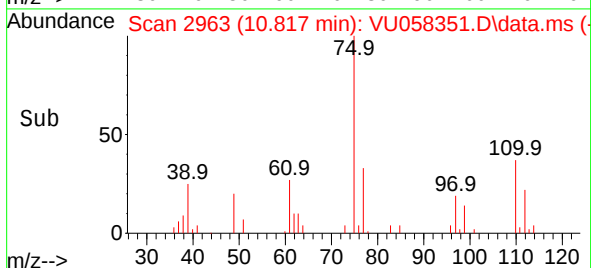
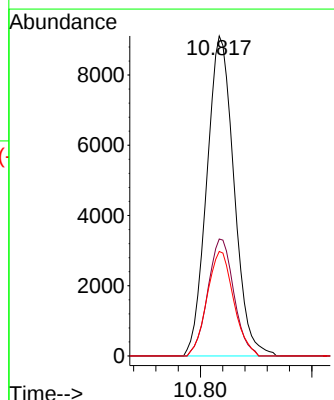
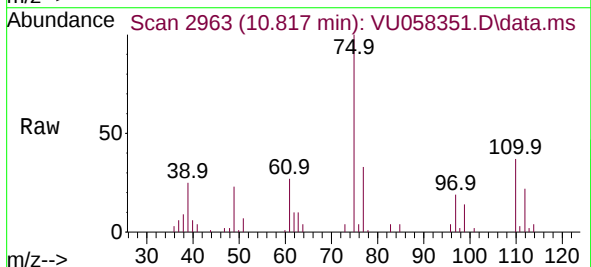
Instrument :
MSVOA_U
ClientSampleId :

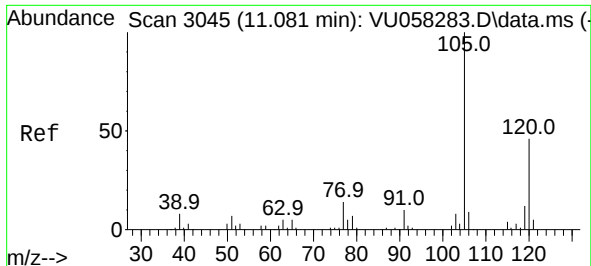
Tgt Ion:105 Resp: 104898
Ion Ratio Lower Upper
105 100
120 25.5 20.5 30.7
77 16.6 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.113 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU058351.D
Acq: 03 Apr 2024 09:46

Tgt Ion: 75 Resp: 15453
Ion Ratio Lower Upper
75 100
110 34.9 28.1 42.1
77 31.9 25.1 37.7





#62

1,3,5-Trimethylbenzene

Concen: 4.868 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

Instrument :

MSVOA_U

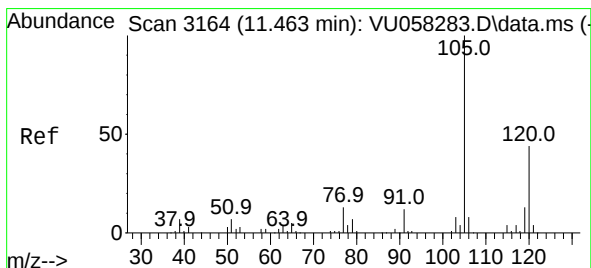
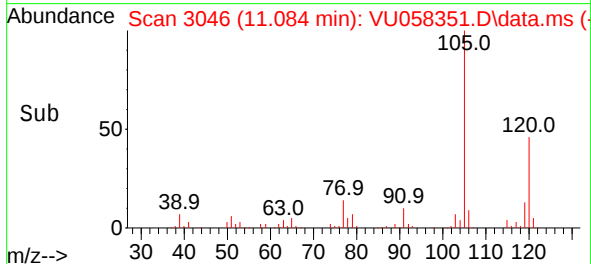
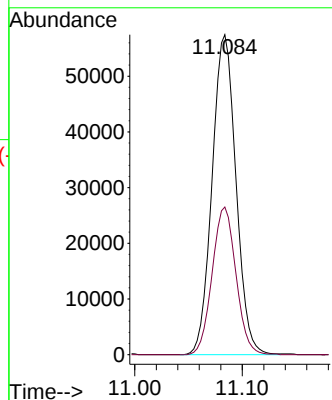
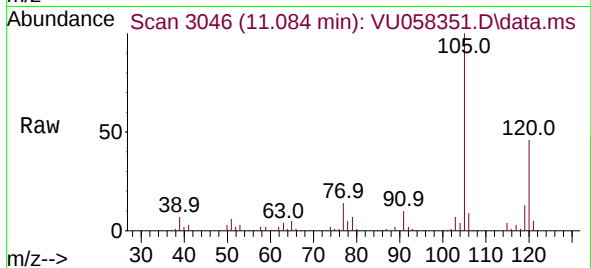
ClientSampleId :

Tgt Ion:105 Resp: 88581

Ion Ratio Lower Upper

105 100

120 46.0 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 4.881 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU058351.D

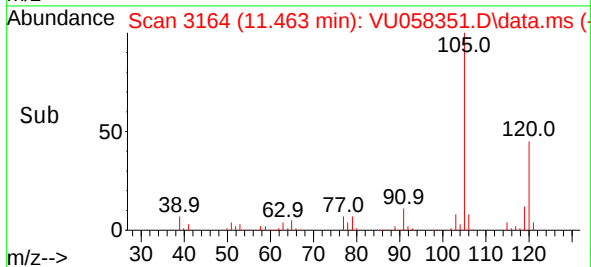
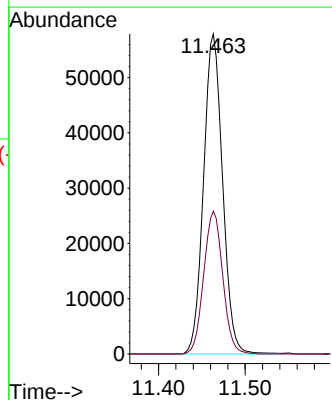
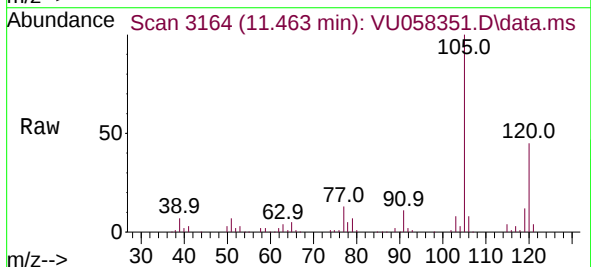
Acq: 03 Apr 2024 09:46

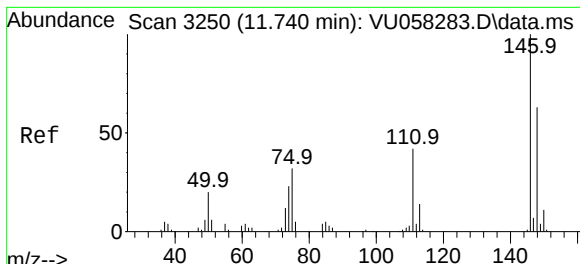
Tgt Ion:105 Resp: 88212

Ion Ratio Lower Upper

105 100

120 44.7 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 4.964 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

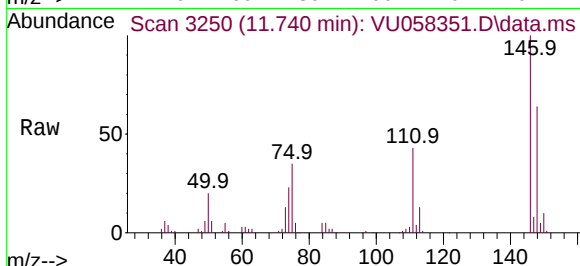
Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

Instrument :

MSVOA_U

ClientSampleId :



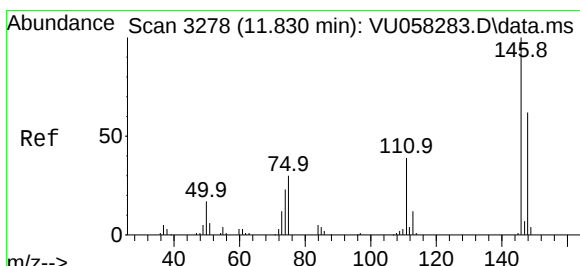
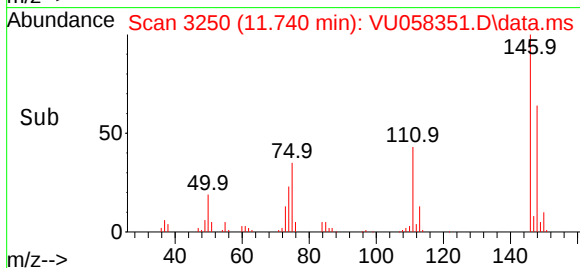
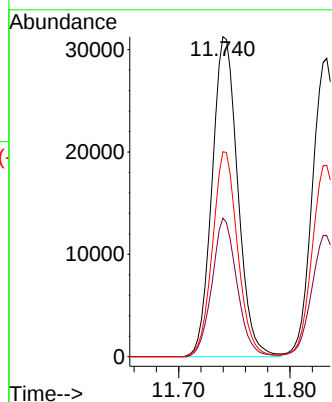
Tgt Ion:146 Resp: 50118

Ion Ratio Lower Upper

146 100

111 43.3 29.9 55.5

148 64.1 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 5.004 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

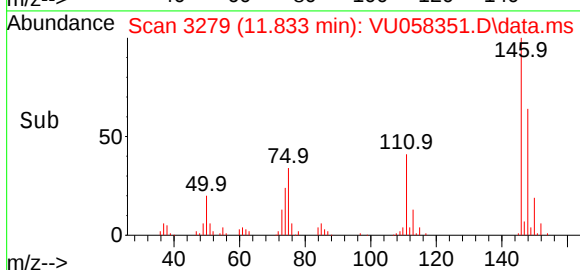
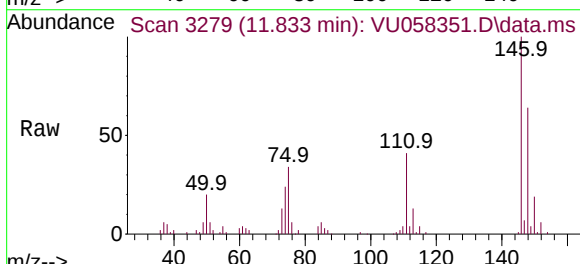
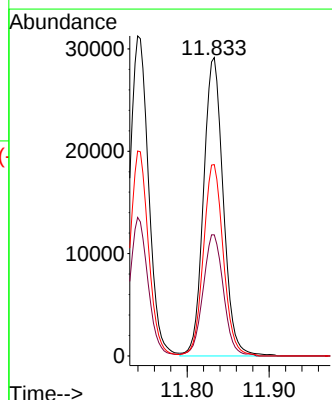
Tgt Ion:146 Resp: 48831

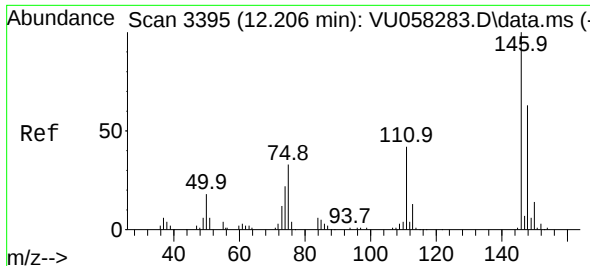
Ion Ratio Lower Upper

146 100

111 40.6 29.0 53.8

148 64.1 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 5.129 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

Instrument :

MSVOA_U

ClientSampleId :

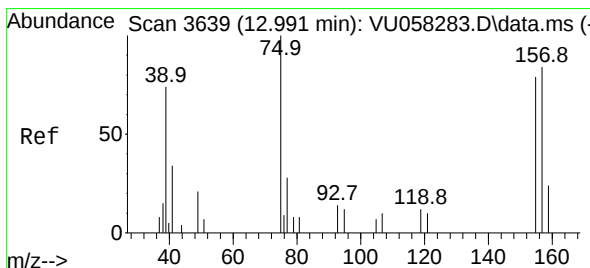
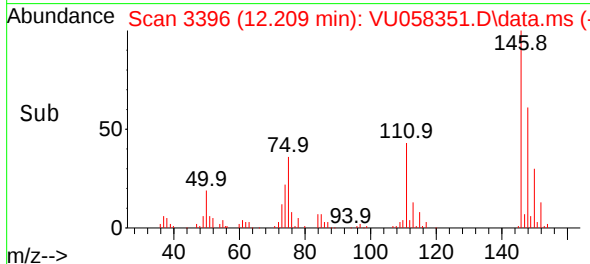
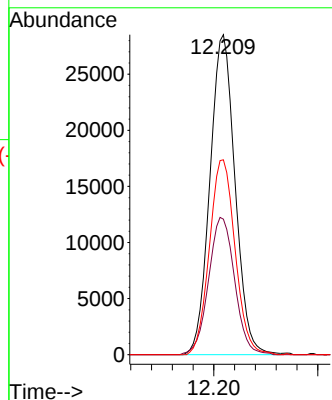
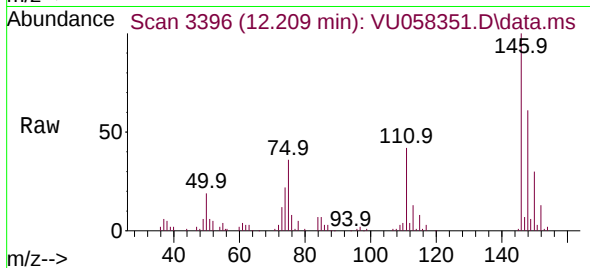
Tgt Ion:146 Resp: 47895

Ion Ratio Lower Upper

146 100

111 42.4 35.9 53.9

148 60.9 52.4 78.6



#68

1,2-Dibromo-3-chloropropane

Concen: 6.618 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

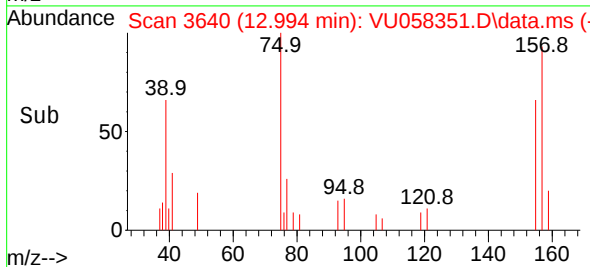
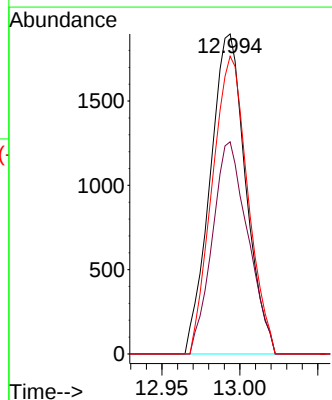
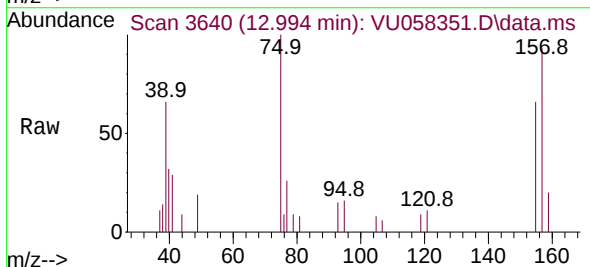
Tgt Ion: 75 Resp: 3016

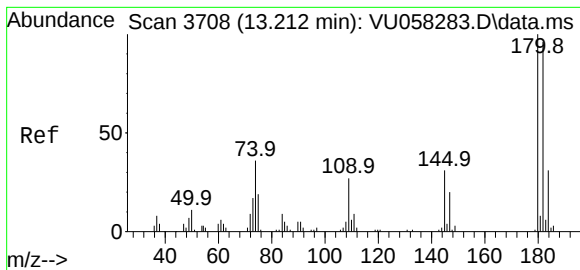
Ion Ratio Lower Upper

75 100

155 66.3 60.2 90.2

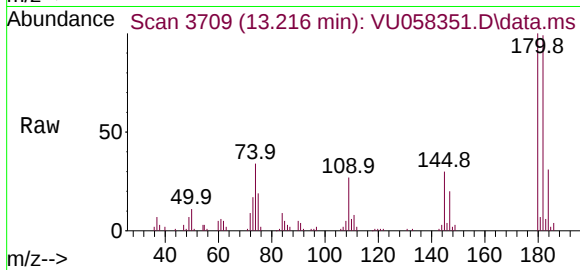
157 93.0 82.6 123.8



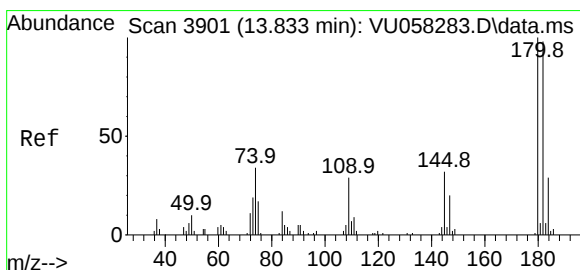
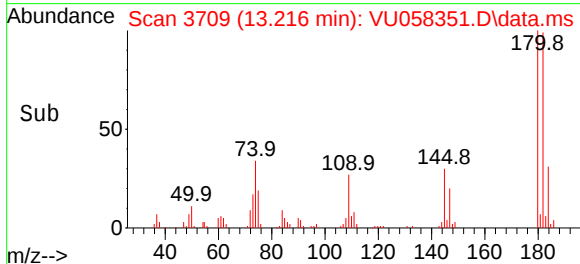
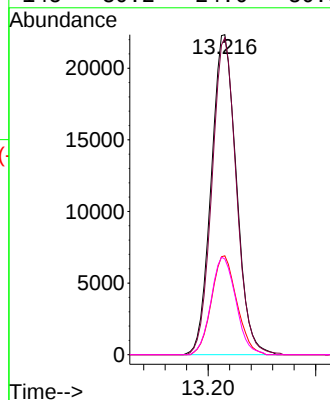


#69
 1,3,5-Trichlorobenzene
 Concen: 5.125 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. 0.003 min
 Lab File: VU058351.D
 Acq: 03 Apr 2024 09:46

Instrument :
 MSVOA_U
 ClientSampleId :

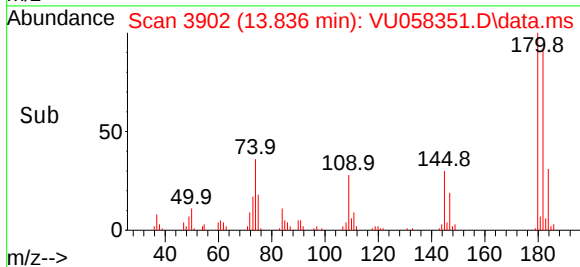
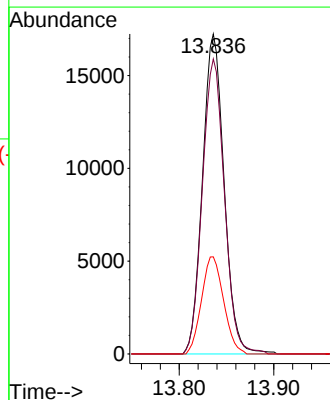
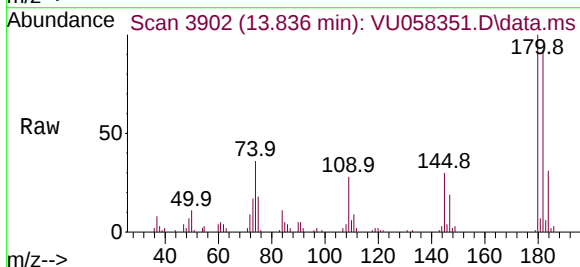


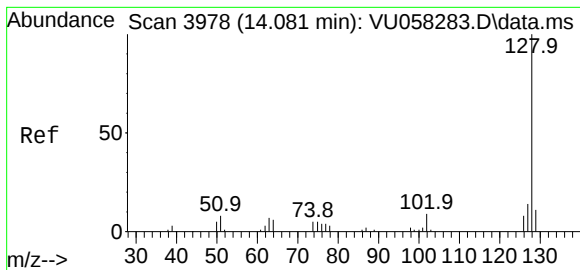
Tgt Ion:180 Resp: 36185
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.4 113.0
 184 31.1 24.8 37.2
 145 30.2 24.6 36.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.195 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU058351.D
 Acq: 03 Apr 2024 09:46

Tgt Ion:180 Resp: 27358
 Ion Ratio Lower Upper
 180 100
 182 93.9 74.5 111.7
 145 31.0 24.5 36.7





#71

Naphthalene

Concen: 5.118 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. -0.000 min

Lab File: VU058351.D

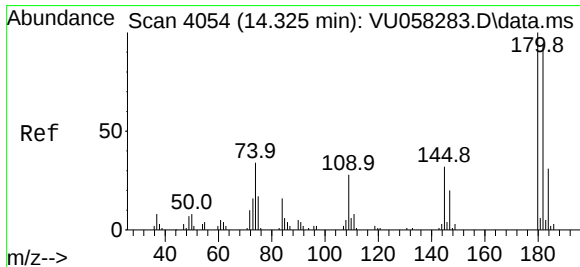
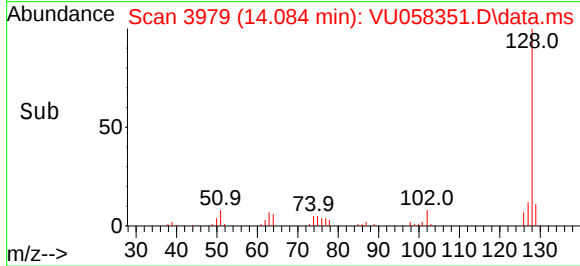
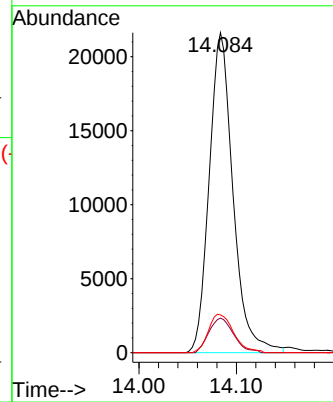
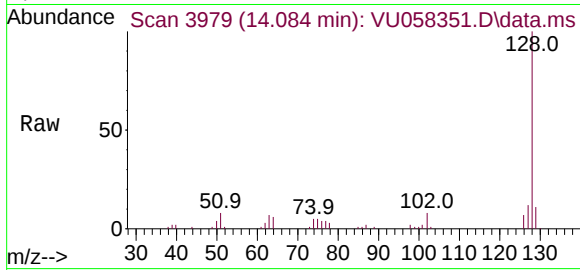
Acq: 03 Apr 2024 09:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp:	36707
Ion Ratio	Lower	Upper
128	100	
129	11.2	8.1 12.1
127	12.7	10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 5.151 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU058351.D

Acq: 03 Apr 2024 09:46

Tgt Ion:180	Resp:	22213
Ion Ratio	Lower	Upper
180	100	
182	98.6	74.4 111.6
145	33.2	26.3 39.5

