

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
 Data File : VU057285.D
 Acq On : 27 Dec 2023 17:01
 Operator : MD/SY
 Sample : VSTD001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 00:17:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 00:16:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	239229	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	244612	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	109567	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	19720	0.880	ug/L	0.00
7) Chloroethane-d5	1.909	69	15993	0.871	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	65	8056	0.849	ug/L	0.00
20) 2-Butanone-d5	4.649	46	41959	11.057	ug/L	0.01
24) Chloroform-d	5.060	84	36602	0.864	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	18454	0.898	ug/L	0.00
32) Benzene-d6	5.723	84	64687	0.801	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.684	67	19995	0.853	ug/L	0.00
41) Toluene-d8	7.893	98	53796	0.738	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	7716	0.791	ug/L	0.00
46) 2-Hexanone-d5	8.633	63	28951	8.247	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	16342	0.949	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	18988	0.834	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	19799	0.928	ug/L	96
3) Chloromethane	1.517	50	20825	1.052	ug/L	93
5) Vinyl chloride	1.601	62	20680	0.999	ug/L	99
6) Bromomethane	1.855	94	9578	1.029	ug/L	91
8) Chloroethane	1.932	64	14140	1.077	ug/L	99
9) Trichlorofluoromethane	2.134	101	31667	0.870	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	18743	0.964	ug/L	96
12) 1,1-Dichloroethene	2.575	96	17039	0.973	ug/L	96
13) Acetone	2.655	43	28596	12.517	ug/L	75
14) Carbon disulfide	2.790	76	46937	0.861	ug/L	100
15) Methyl Acetate	2.961	43	7182	1.348	ug/L	91
16) Methylene chloride	3.041	84	25136	1.212	ug/L	95
17) Methyl tert-butyl Ether	3.356	73	39804	1.044	ug/L	98
18) trans-1,2-Dichloroethene	3.350	96	16231	0.957	ug/L	94
19) 1,1-Dichloroethane	3.867	63	34606	1.014	ug/L	92
21) 2-Butanone	4.726	43	41046	11.689	ug/L	87
22) cis-1,2-Dichloroethene	4.658	96	18084	0.962	ug/L	95
23) Bromochloromethane	4.970	128	8381	1.010	ug/L	94
25) Chloroform	5.080	83	36401	0.956	ug/L	97
27) 1,2-Dichloroethane	5.790	62	22718	1.003	ug/L	97
29) 1,1,1-Trichloroethane	5.308	97	31683	0.854	ug/L	99
30) Cyclohexane	5.385	56	20466	0.799	ug/L	94
31) Carbon tetrachloride	5.517	117	27713	0.854	ug/L	90
33) Benzene	5.771	78	69824	0.918	ug/L	100
34) Trichloroethene	6.536	95	19191	0.874	ug/L	99
35) Methylcyclohexane	6.758	83	22168	0.772	ug/L	98
37) 1,2-Dichloropropane	6.784	63	20070	1.040	ug/L	100
38) Bromodichloromethane	7.102	83	25405	0.926	ug/L	94
39) cis-1,3-Dichloropropene	7.604	75	23972	0.835	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	89809	10.255	ug/L	99
42) Toluene	7.964	91	68841	0.862	ug/L	95
44) trans-1,3-Dichloropropene	8.208	75	22380	0.915	ug/L	99

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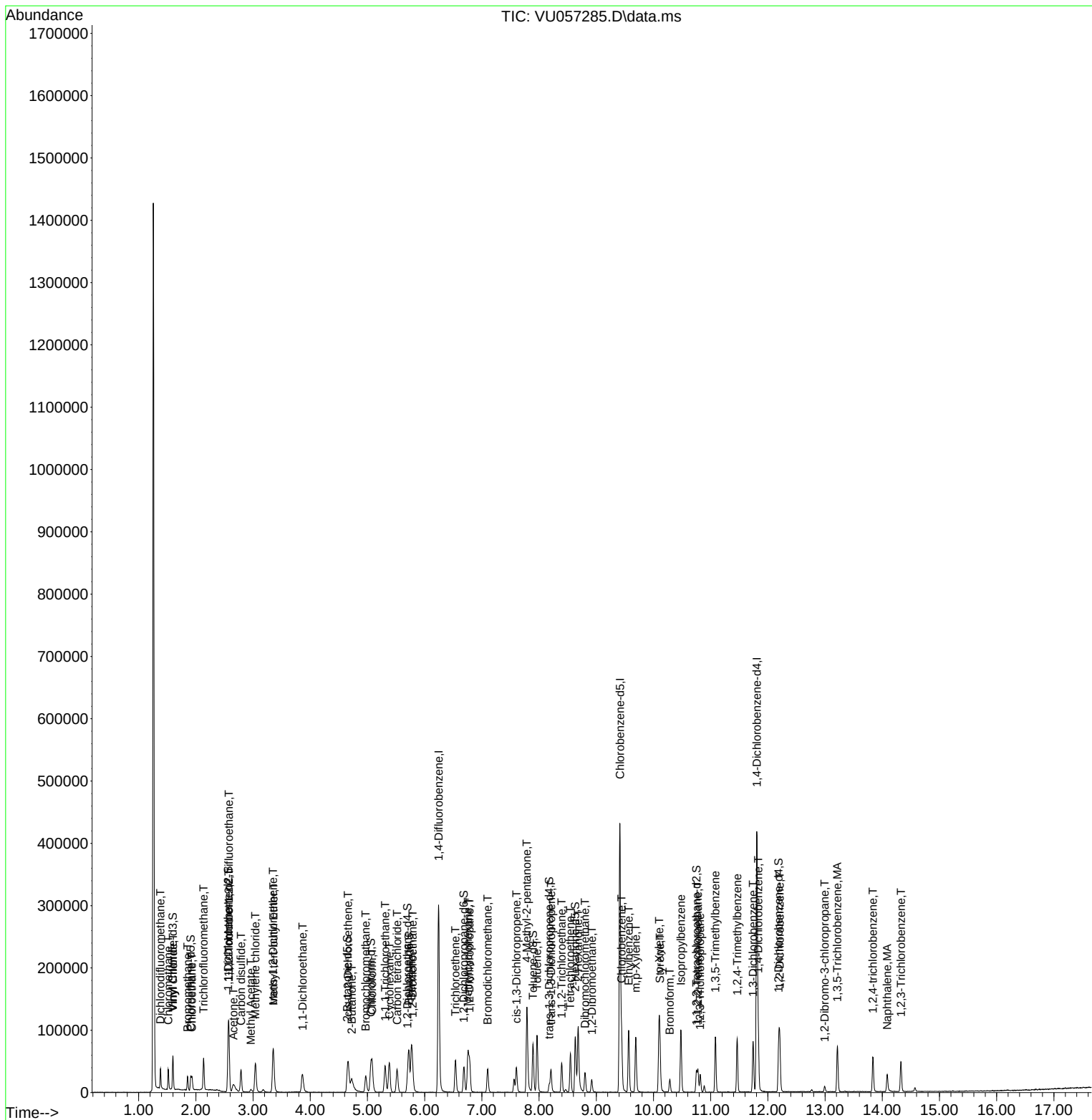
Quant Time: Dec 28 00:17:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 00:16:32 2023
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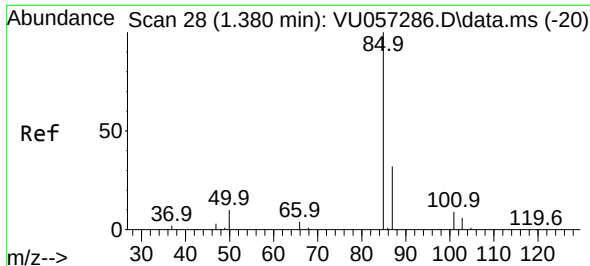
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.395	97	14362	1.061	ug/L	96
47) Tetrachloroethene	8.546	164	13549	0.866	ug/L	97
48) 2-Hexanone	8.684	43	67423	10.413	ug/L	94
49) Dibromochloromethane	8.803	129	16467	0.964	ug/L	100
50) 1,2-Dibromoethane	8.922	107	13344	1.061	ug/L	95
51) Chlorobenzene	9.443	112	46264	0.886	ug/L	99
52) Ethylbenzene	9.565	91	69754	0.782	ug/L	95
53) m,p-Xylene	9.690	106	25229	0.772	ug/L	99
54) o-Xylene	10.099	106	24851	0.787	ug/L	93
55) Styrene	10.112	104	39478	0.756	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	17699	1.081	ug/L	98
59) Bromoform	10.285	173	9234	1.097	ug/L	96
60) Isopropylbenzene	10.481	105	64519	0.831	ug/L	98
61) 1,2,3-Trichloropropane	10.816	75	12628	1.203	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	46786	0.738	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	44823	0.717	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	33064	0.892	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	33887	0.909	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	32759	0.981	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	2614	1.119	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	23505	0.859	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	18241	0.846	ug/L	96
71) Naphthalene	14.086	128	25152	0.893	ug/L	97
72) 1,2,3-Trichlorobenzene	14.327	180	15127	0.881	ug/L	99

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

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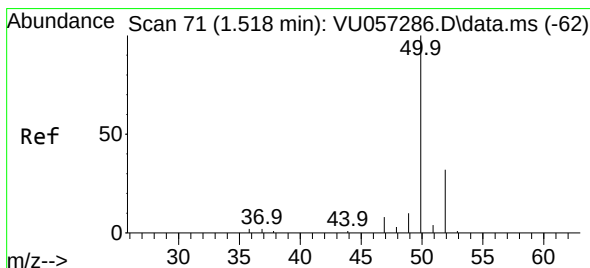
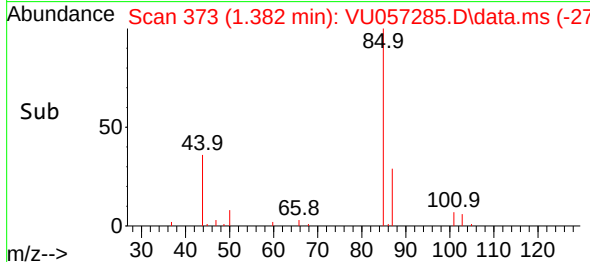
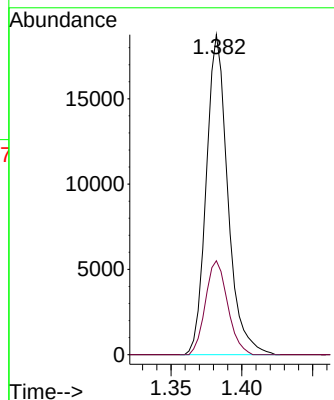
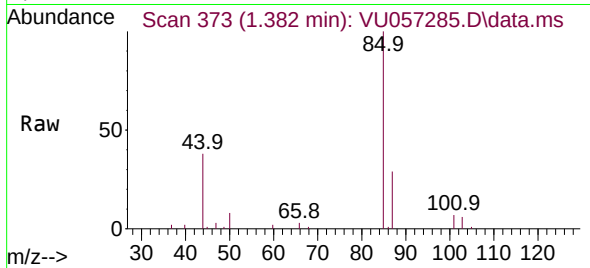




#2
 Dichlorodifluoromethane
 Concen: 0.928 ug/L
 RT: 1.382 min Scan# 31
 Delta R.T. 0.002 min
 Lab File: VU057285.D
 Acq: 27 Dec 2023 17:01

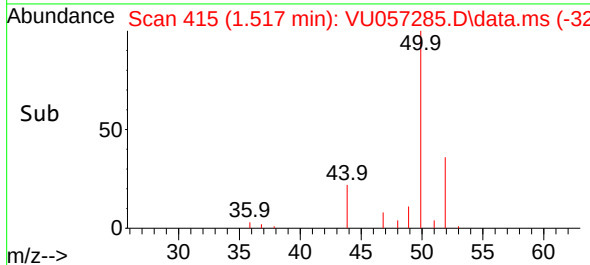
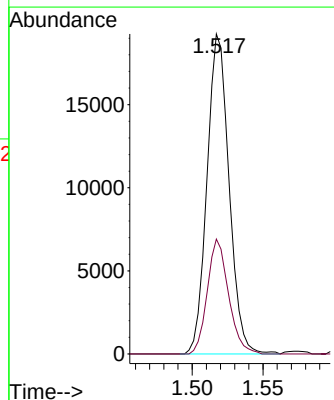
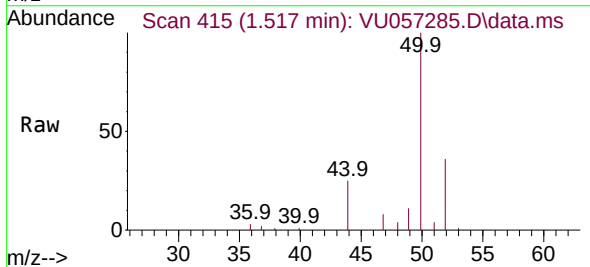
Instrument :
 MSVOA_U
 ClientSampleId :

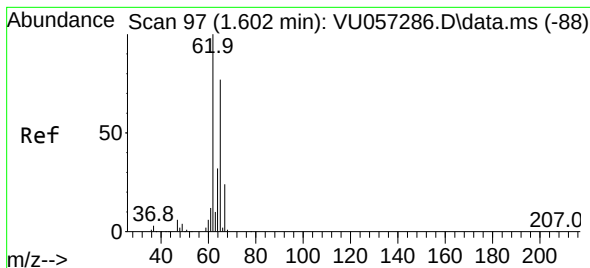
Tgt Ion: 85 Resp: 19799
 Ion Ratio Lower Upper
 85 100
 87 30.2 25.9 38.9



#3
 Chloromethane
 Concen: 1.052 ug/L
 RT: 1.517 min Scan# 415
 Delta R.T. -0.001 min
 Lab File: VU057285.D
 Acq: 27 Dec 2023 17:01

Tgt Ion: 50 Resp: 20825
 Ion Ratio Lower Upper
 50 100
 52 35.9 22.5 41.7





#5

Vinyl chloride

Concen: 0.999 ug/L

RT: 1.601 min Scan# 441

Delta R.T. -0.001 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

Instrument :

MSVOA_U

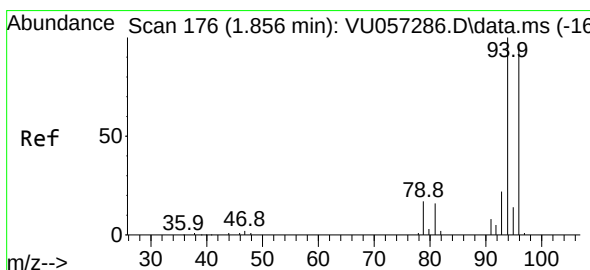
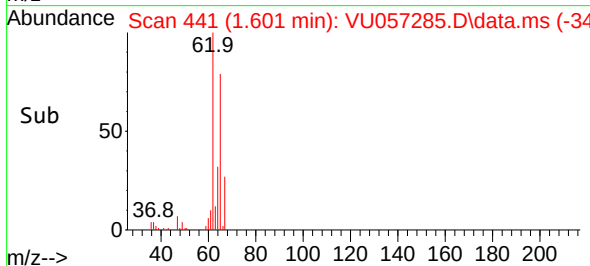
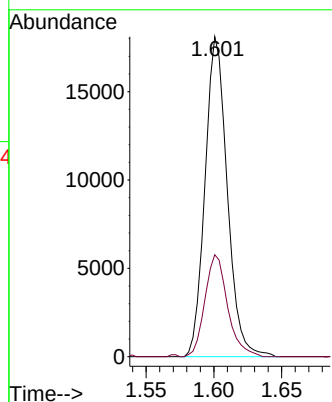
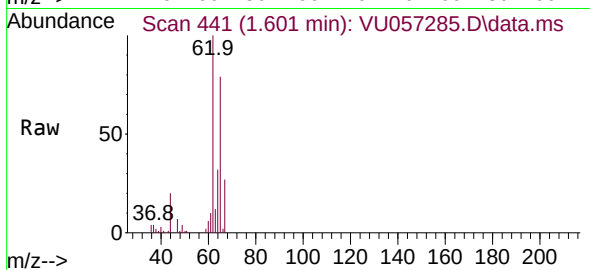
ClientSampleId :

Tgt Ion: 62 Resp: 20680

Ion Ratio Lower Upper

62 100

64 31.8 22.8 42.4



#6

Bromomethane

Concen: 1.029 ug/L

RT: 1.855 min Scan# 520

Delta R.T. -0.001 min

Lab File: VU057285.D

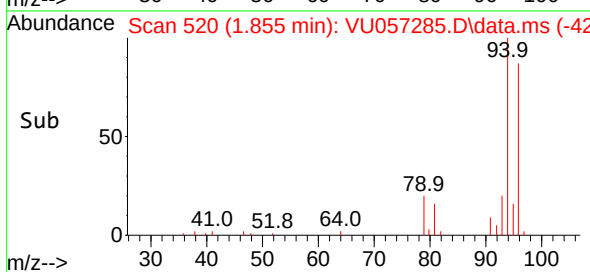
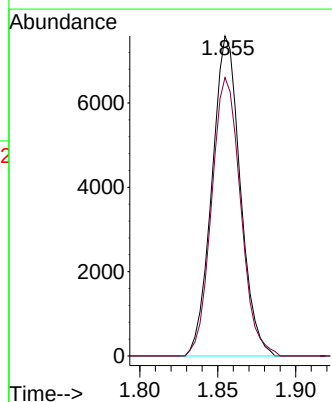
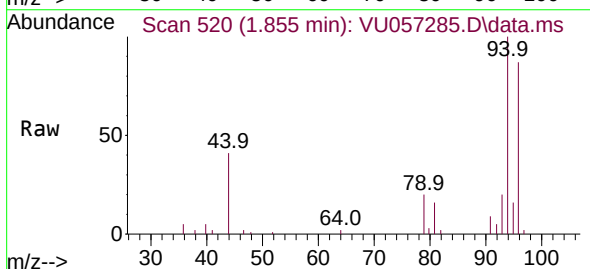
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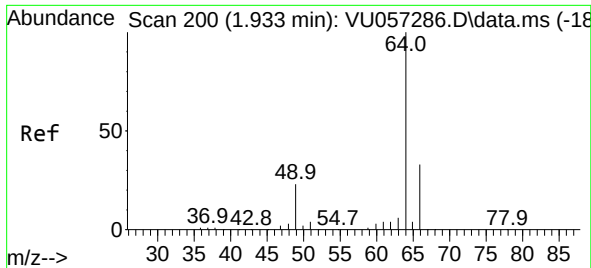
Tgt Ion: 94 Resp: 9578

Ion Ratio Lower Upper

94 100

96 87.0 67.3 125.1

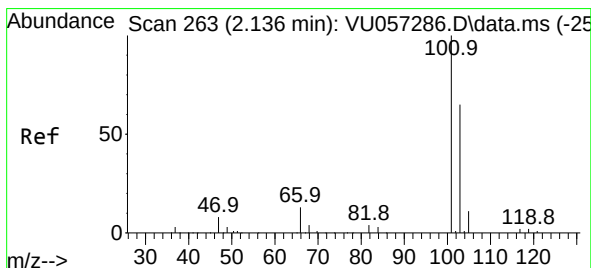
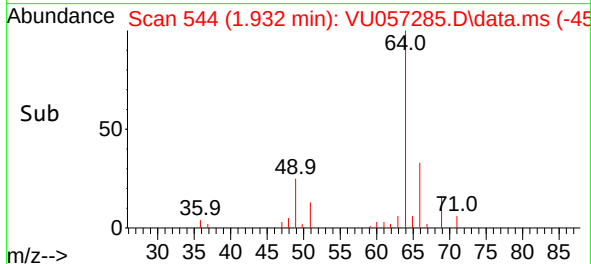
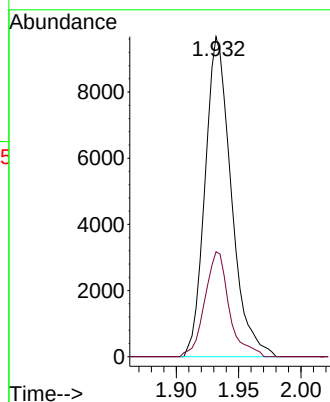
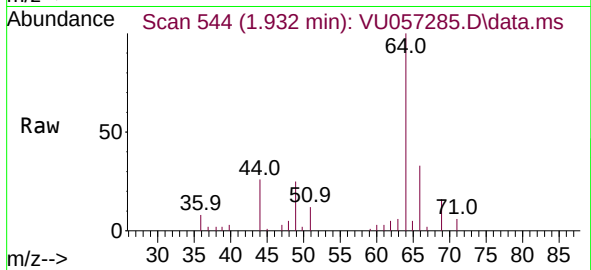




#8
Chloroethane
Concen: 1.077 ug/L
RT: 1.932 min Scan# 544
Delta R.T. -0.001 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

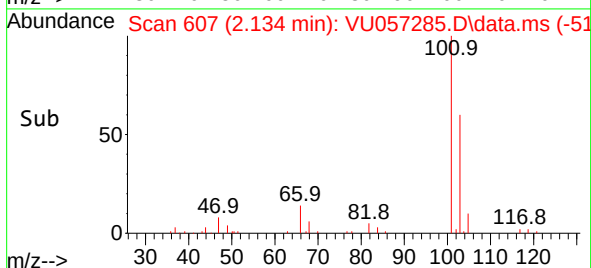
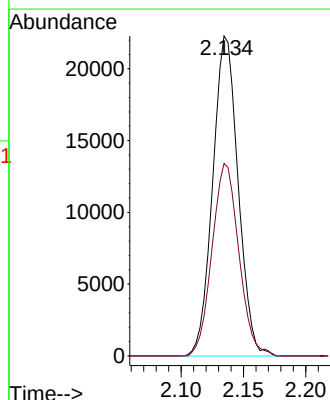
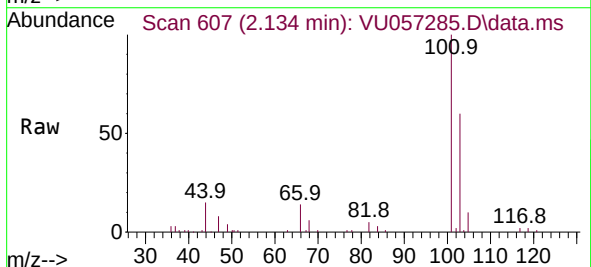
Instrument :
MSVOA_U
ClientSampleId :

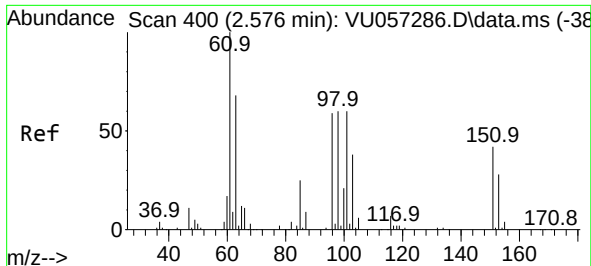
Tgt Ion: 64 Resp: 14140
Ion Ratio Lower Upper
64 100
66 32.8 23.3 43.3



#9
Trichlorofluoromethane
Concen: 0.870 ug/L
RT: 2.134 min Scan# 607
Delta R.T. -0.001 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

Tgt Ion:101 Resp: 31667
Ion Ratio Lower Upper
101 100
103 63.3 52.2 78.2

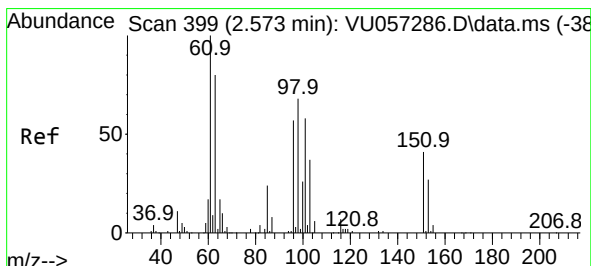
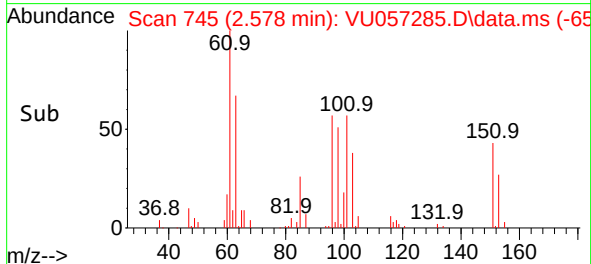
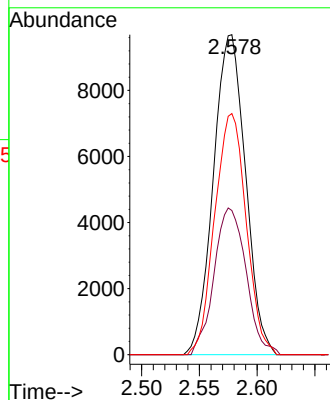
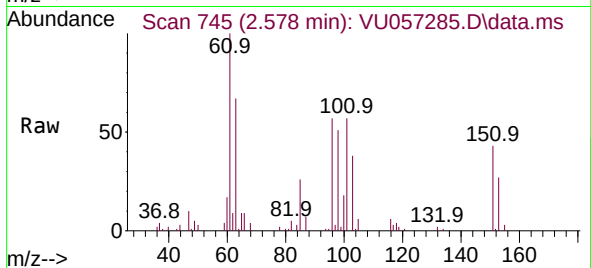




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.964 ug/L
 RT: 2.578 min Scan# 744
 Delta R.T. 0.002 min
 Lab File: VU057285.D
 Acq: 27 Dec 2023 17:01

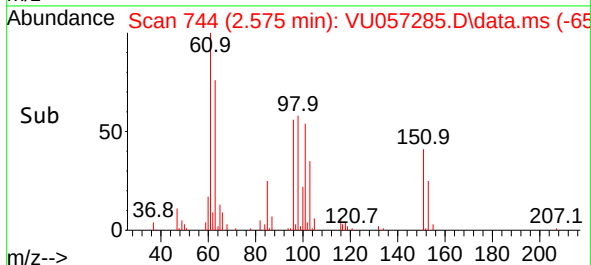
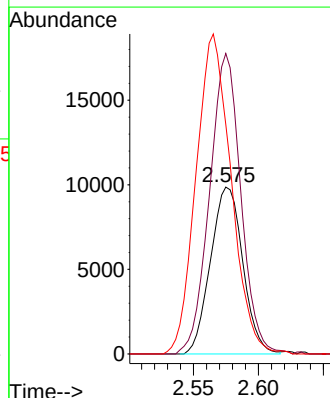
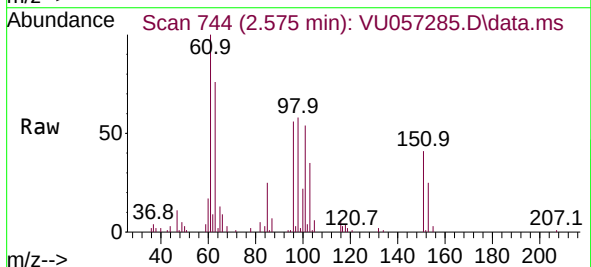
Instrument :
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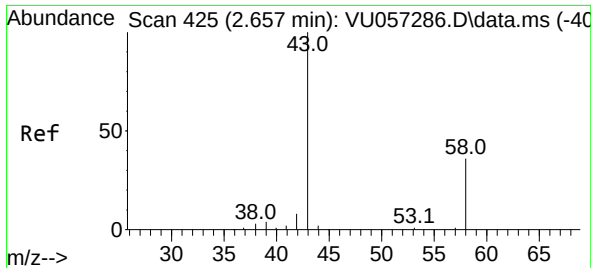
Tgt Ion:101 Resp: 18743
 Ion Ratio Lower Upper
 101 100
 85 45.7 35.1 52.7
 151 73.8 55.8 83.6



#12
 1,1-Dichloroethene
 Concen: 0.973 ug/L
 RT: 2.575 min Scan# 744
 Delta R.T. 0.002 min
 Lab File: VU057285.D
 Acq: 27 Dec 2023 17:01

Tgt Ion: 96 Resp: 17039
 Ion Ratio Lower Upper
 96 100
 61 180.0 122.2 226.9
 63 137.4 99.2 184.2

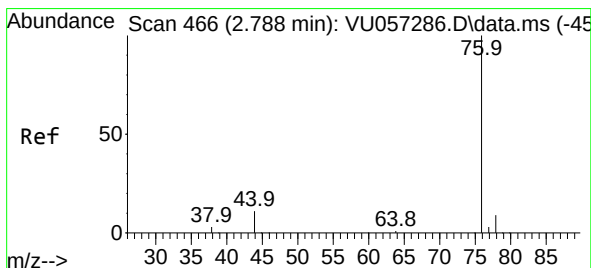
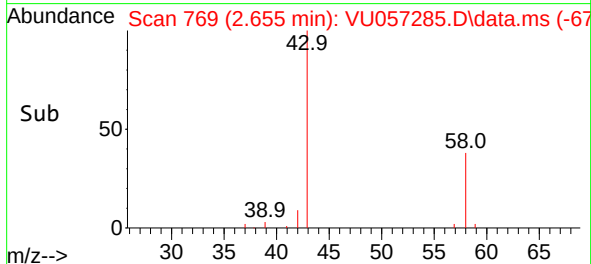
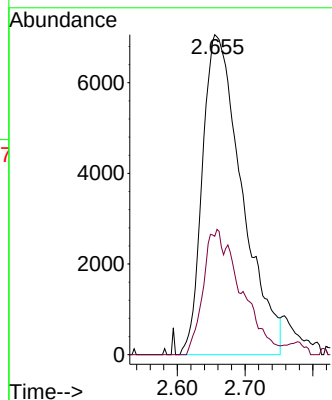
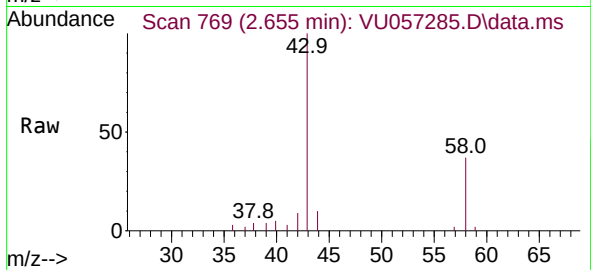




#13
Acetone
Concen: 12.517 ug/L
RT: 2.655 min Scan# 71
Delta R.T. -0.001 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

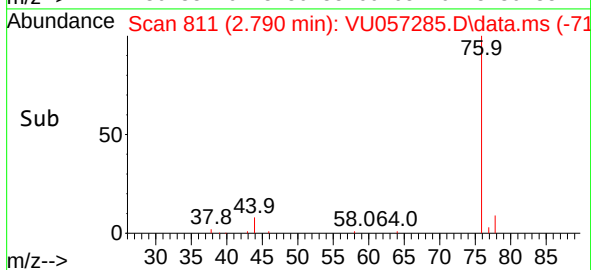
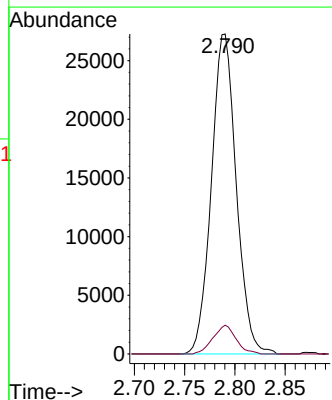
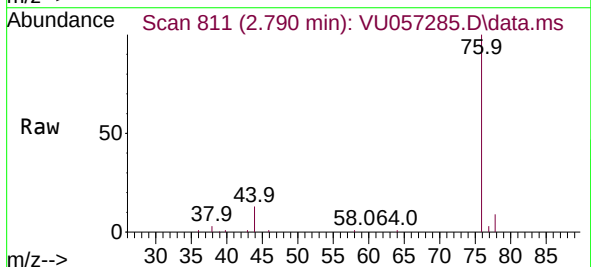
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MSVOA_U
ClientSampleId :

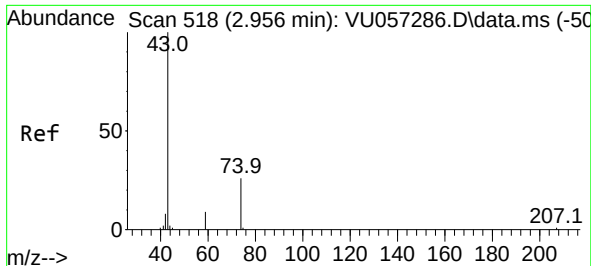
Tgt Ion: 43 Resp: 28596
Ion Ratio Lower Upper
43 100
58 19.1 0.0 67.2



#14
Carbon disulfide
Concen: 0.861 ug/L
RT: 2.790 min Scan# 811
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

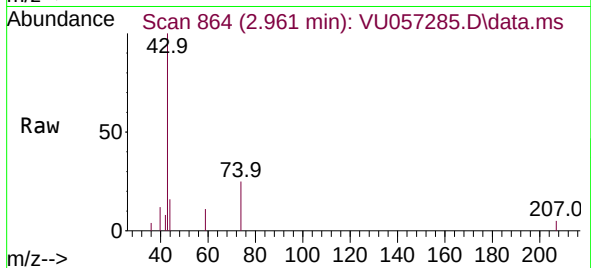
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Ion Ratio Lower Upper
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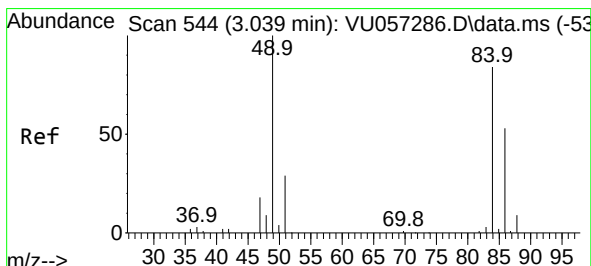
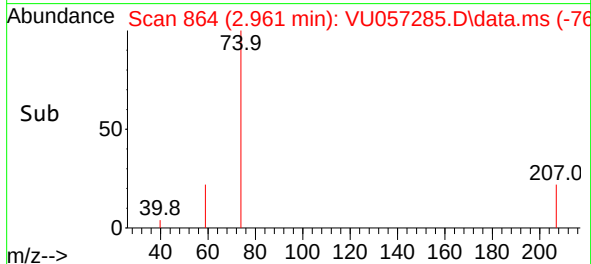
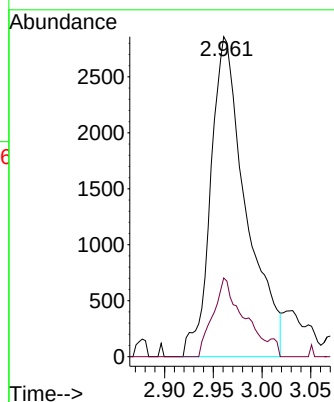


#15
Methyl Acetate
Concen: 1.348 ug/L
RT: 2.961 min Scan# 80
Delta R.T. 0.005 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

Instrument :
MSVOA_U
ClientSampleId :

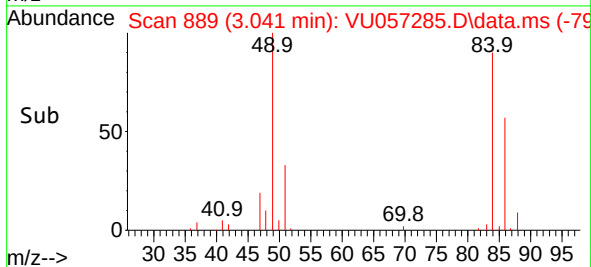
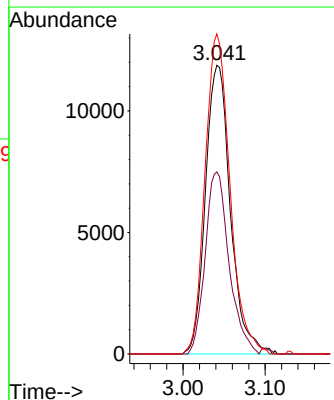
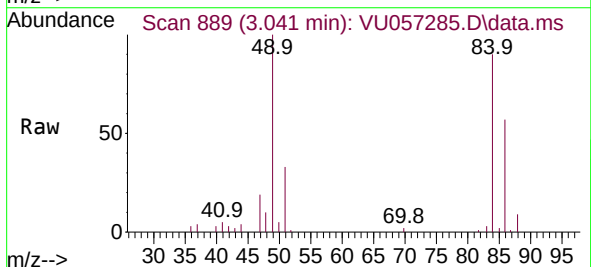


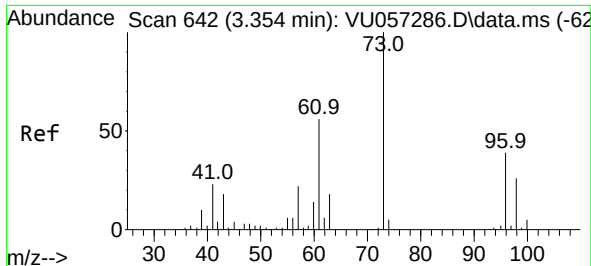
Tgt Ion: 43 Resp: 7182
Ion Ratio Lower Upper
43 100
74 21.2 20.5 30.7



#16
Methylene chloride
Concen: 1.212 ug/L
RT: 3.041 min Scan# 889
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

Tgt Ion: 84 Resp: 25136
Ion Ratio Lower Upper
84 100
86 63.1 43.8 81.3
49 110.8 83.2 154.4

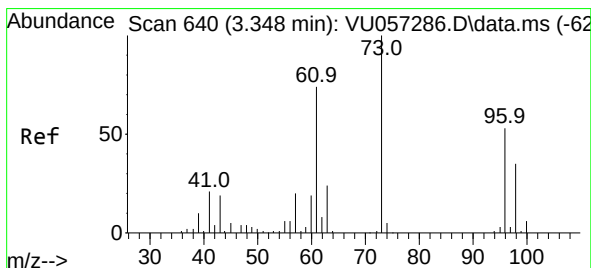
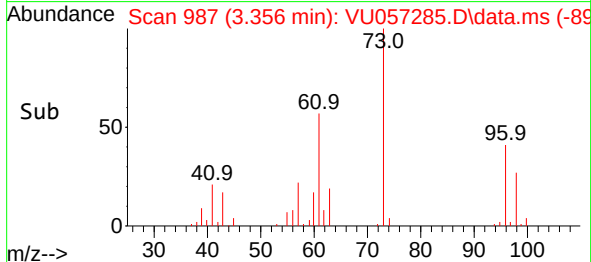
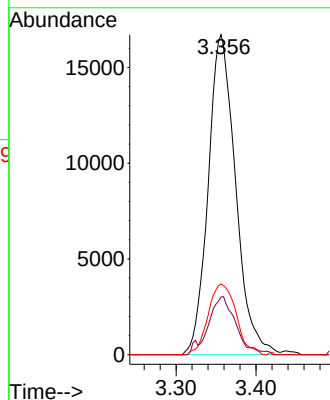
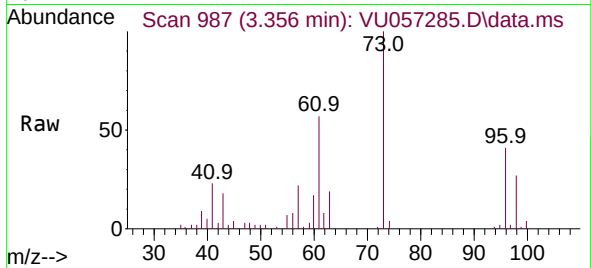




#17
Methyl tert-butyl Ether
Concen: 1.044 ug/L
RT: 3.356 min Scan# 91
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

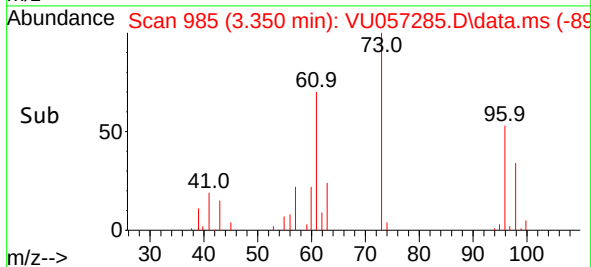
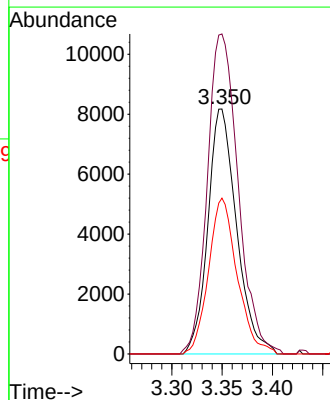
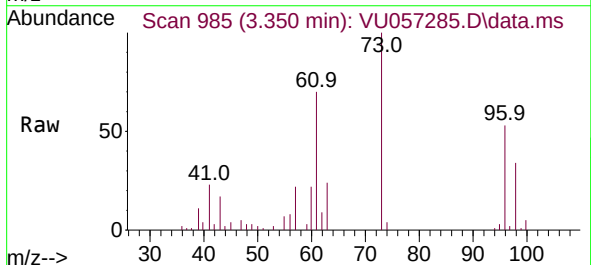
Instrument :
MSVOA_U
ClientSampleId :

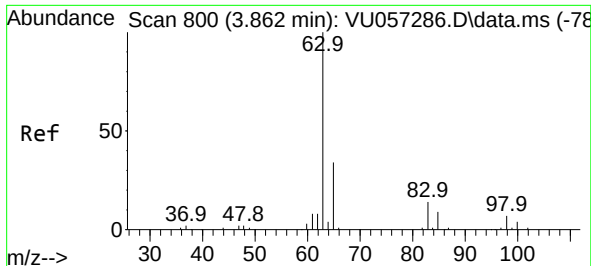
Tgt Ion: 73	Resp:	39804
Ion	Ratio	Lower Upper
73	100	
43	17.3	15.2 22.8
57	22.5	17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 0.957 ug/L
RT: 3.350 min Scan# 985
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

Tgt Ion: 96	Resp:	16231
Ion	Ratio	Lower Upper
96	100	
61	130.6	97.5 181.1
98	63.6	45.9 85.3





#19

1,1-Dichloroethane

Concen: 1.014 ug/L

RT: 3.867 min Scan# 1146

Delta R.T. 0.005 min

Lab File: VU057285.D

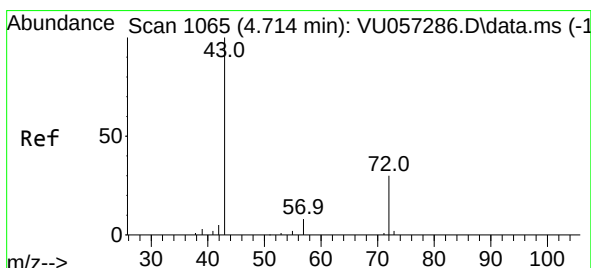
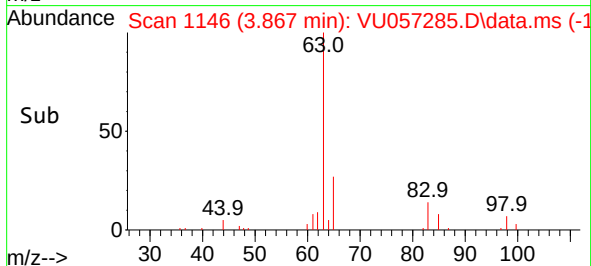
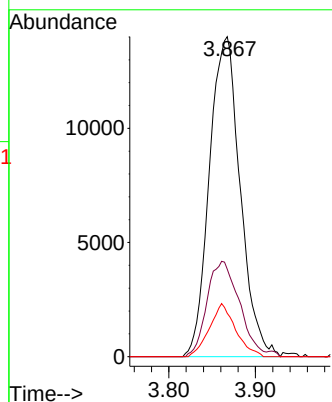
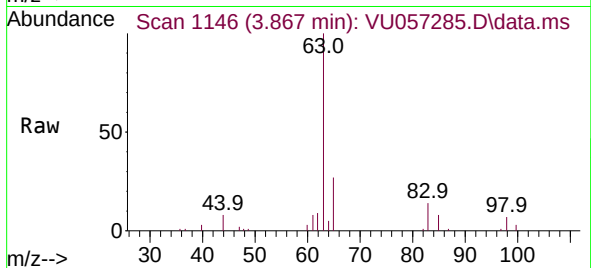
Acq: 27 Dec 2023 17:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	34606
Ion	Ratio	Lower	Upper
63	100		
65	27.4	23.6	43.8
83	13.6	9.8	18.2



#21

2-Butanone

Concen: 11.689 ug/L

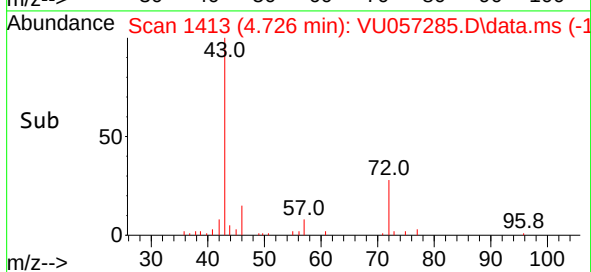
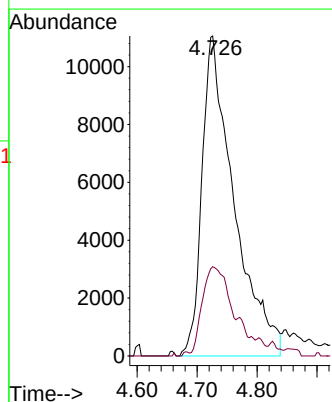
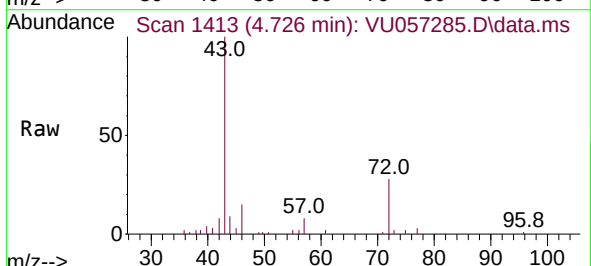
RT: 4.726 min Scan# 1413

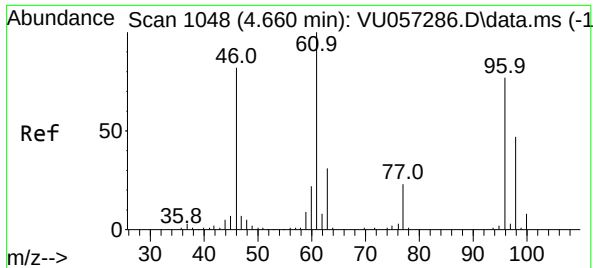
Delta R.T. 0.011 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

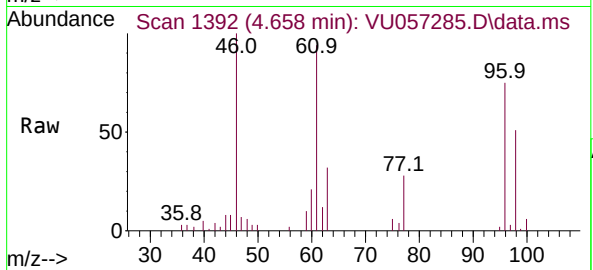
Tgt Ion:	43	Resp:	41046
Ion	Ratio	Lower	Upper
43	100		
72	21.7	14.3	42.9





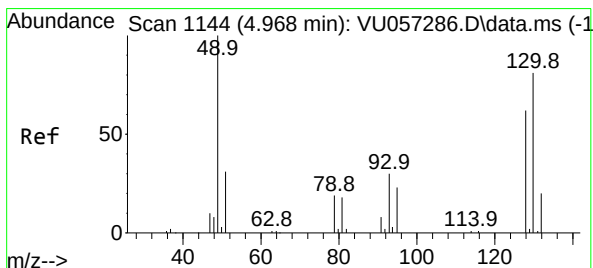
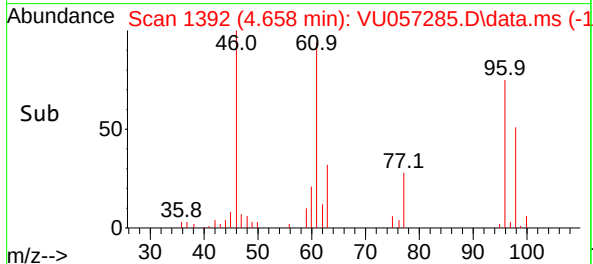
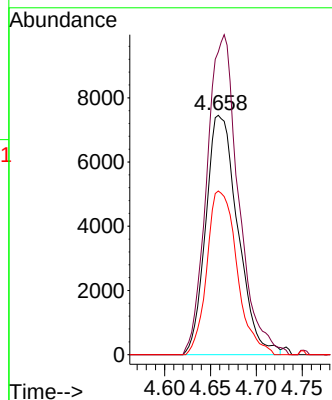
#22
 cis-1,2-Dichloroethene
 Concen: 0.962 ug/L
 RT: 4.658 min Scan# 11392
 Delta R.T. -0.001 min
 Lab File: VU057285.D
 Acq: 27 Dec 2023 17:01

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 18084

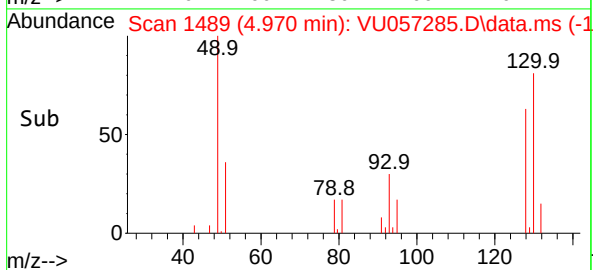
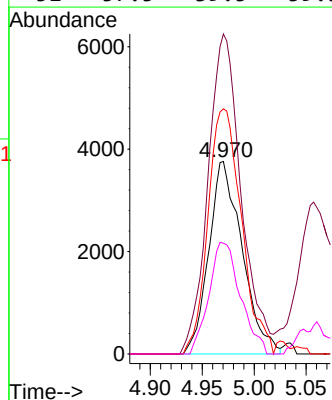
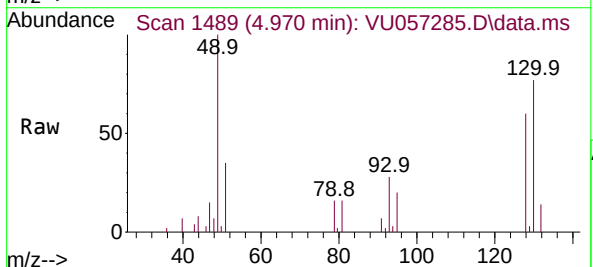
Ion	Ratio	Lower	Upper
96	100		
61	126.4	91.1	169.3
98	68.4	42.6	79.0

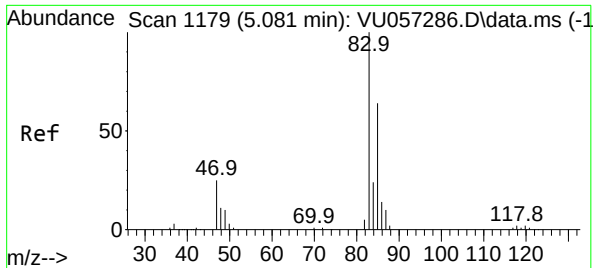


#23
 Bromochloromethane
 Concen: 1.010 ug/L
 RT: 4.970 min Scan# 1489
 Delta R.T. 0.002 min
 Lab File: VU057285.D
 Acq: 27 Dec 2023 17:01

Tgt Ion: 128 Resp: 8381

Ion	Ratio	Lower	Upper
128	100		
49	171.8	113.1	210.1
130	127.4	91.6	170.2
51	57.5	39.5	59.3

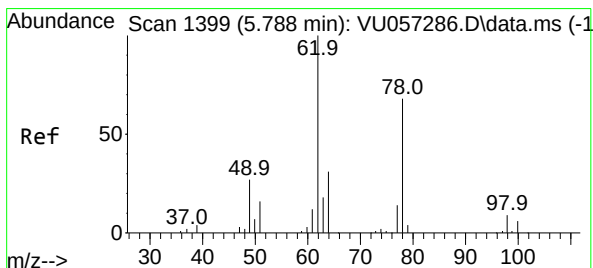
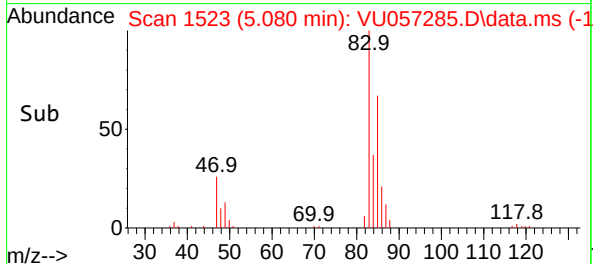
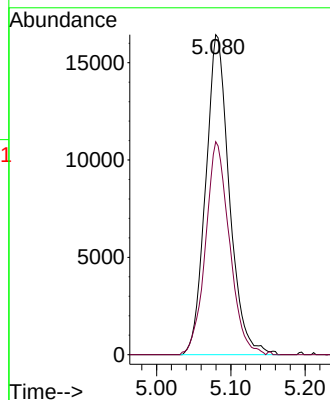
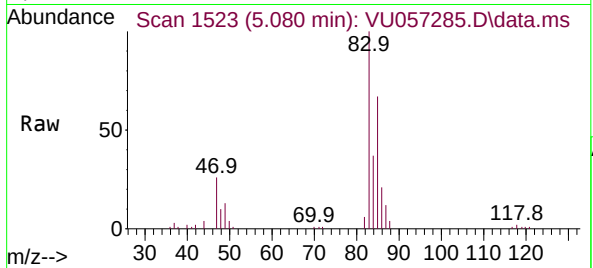




#25
Chloroform
Concen: 0.956 ug/L
RT: 5.080 min Scan# 1179
Delta R.T. -0.001 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

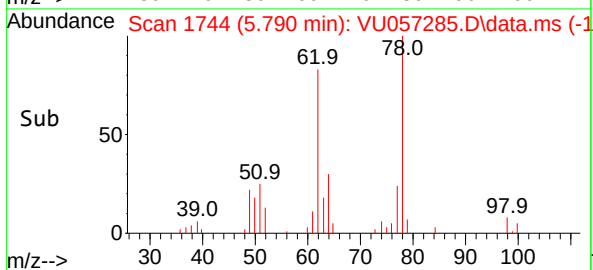
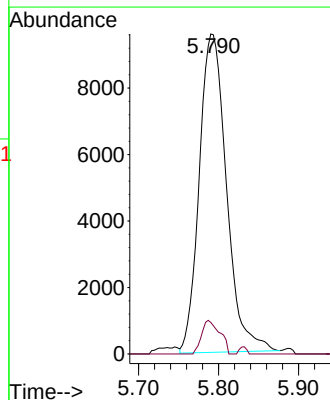
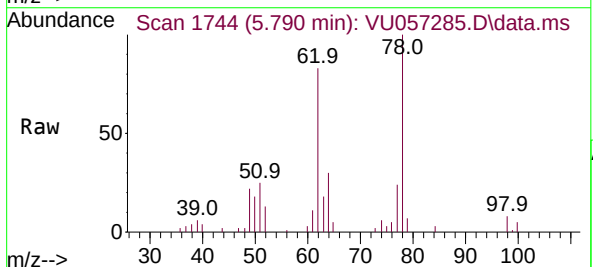
Instrument :
MSVOA_U
ClientSampleId :

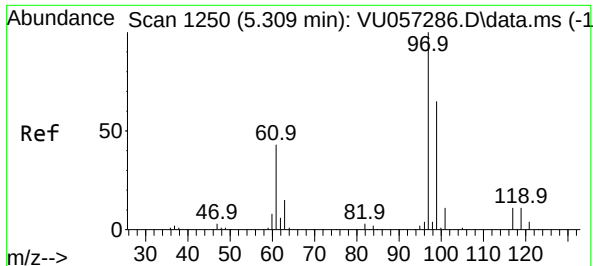
Tgt Ion: 83 Resp: 36401
Ion Ratio Lower Upper
83 100
85 66.6 45.1 83.7



#27
1,2-Dichloroethane
Concen: 1.003 ug/L
RT: 5.790 min Scan# 1744
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

Tgt Ion: 62 Resp: 22718
Ion Ratio Lower Upper
62 100
98 9.9 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 0.854 ug/L

RT: 5.308 min Scan# 1

Delta R.T. -0.001 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

Instrument :

MSVOA_U

ClientSampleId :

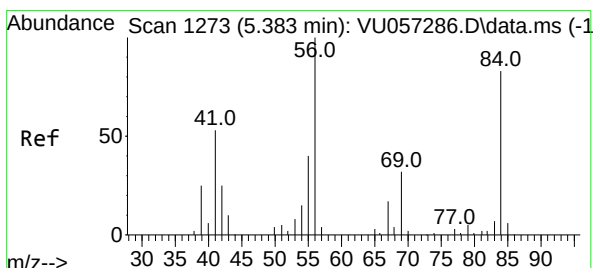
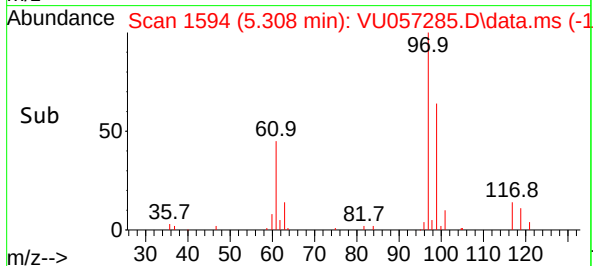
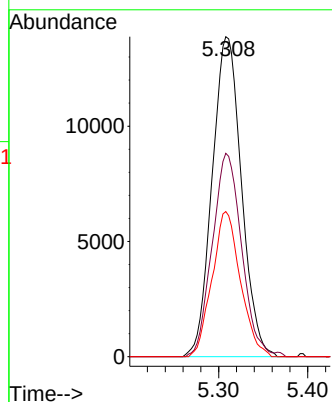
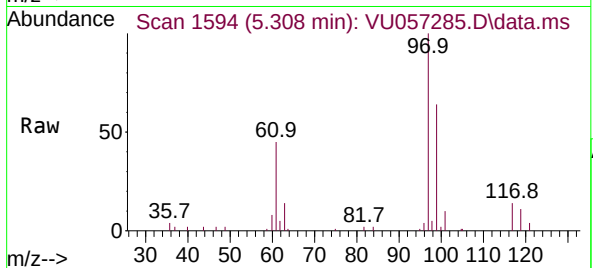
Tgt Ion: 97 Resp: 31683

Ion Ratio Lower Upper

97 100

99 63.8 51.7 77.5

61 43.9 34.1 51.1



#30

Cyclohexane

Concen: 0.799 ug/L

RT: 5.385 min Scan# 1618

Delta R.T. 0.002 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

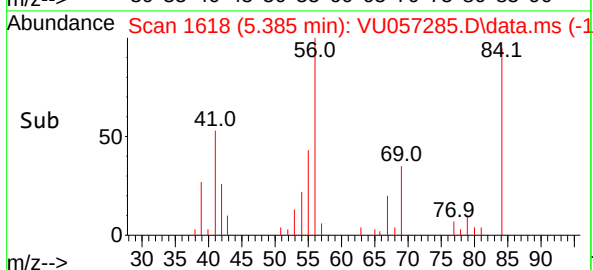
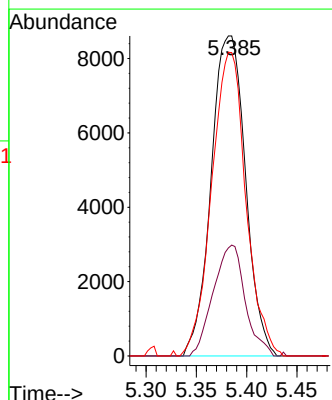
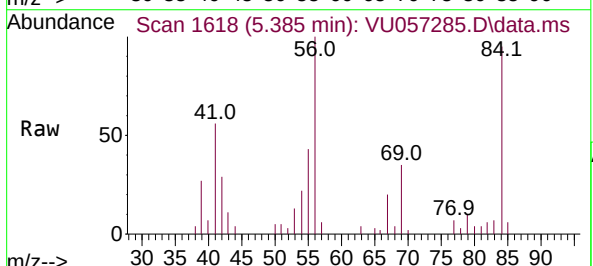
Tgt Ion: 56 Resp: 20466

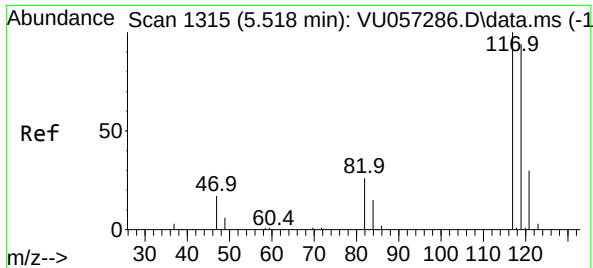
Ion Ratio Lower Upper

56 100

69 32.1 26.2 39.4

84 94.4 69.4 104.2

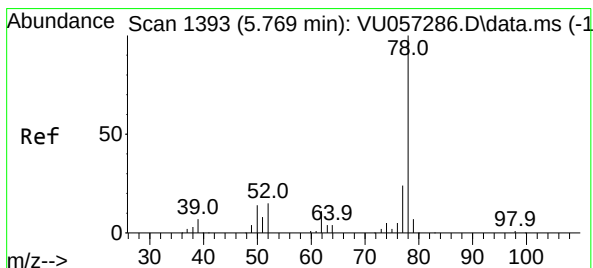
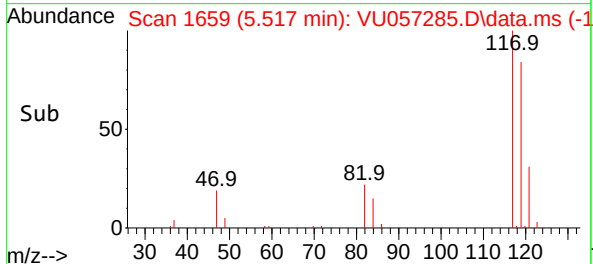
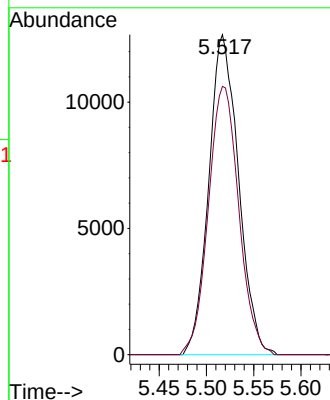
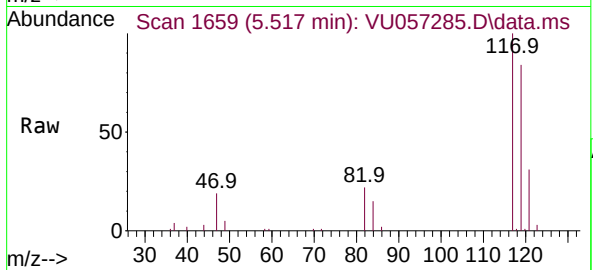




#31
Carbon tetrachloride
Concen: 0.854 ug/L
RT: 5.517 min Scan# 1
Delta R.T. -0.001 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

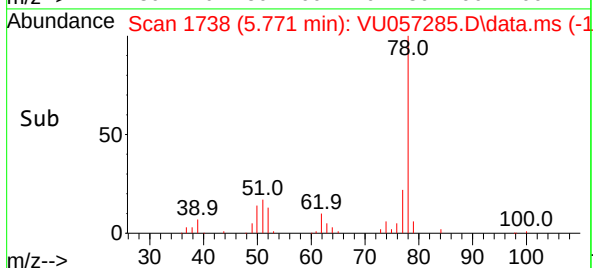
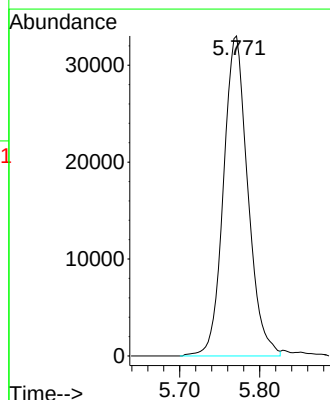
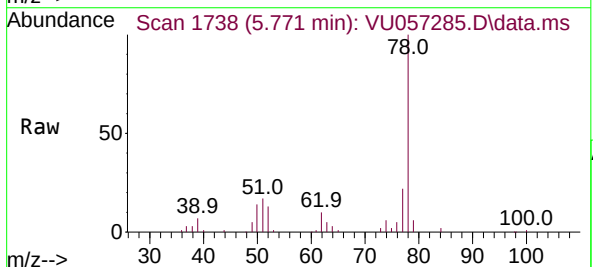
Instrument :
MSVOA_U
ClientSampleId :

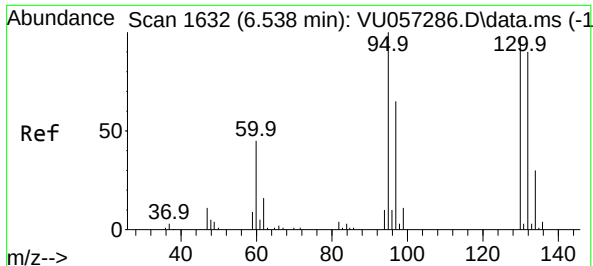
Tgt Ion:117 Resp: 27713
Ion Ratio Lower Upper
117 100
119 85.8 76.7 115.1



#33
Benzene
Concen: 0.918 ug/L
RT: 5.771 min Scan# 1738
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

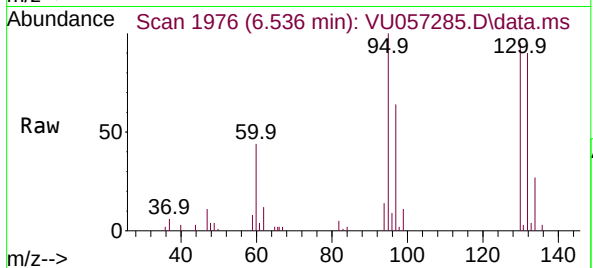
Tgt Ion: 78 Resp: 69824



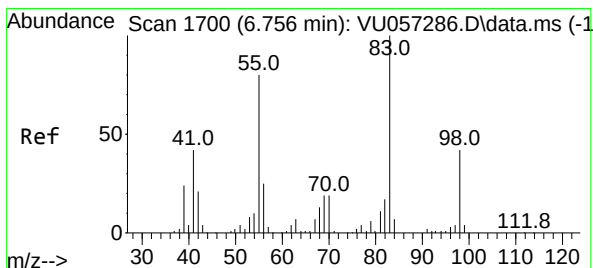
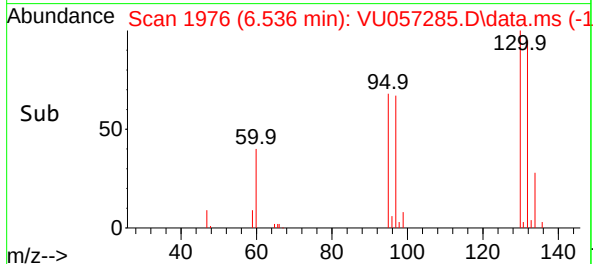
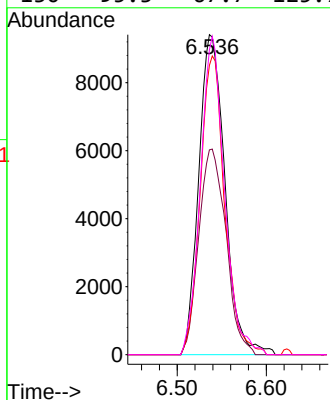


#34
Trichloroethene
Concen: 0.874 ug/L
RT: 6.536 min Scan# 19191
Delta R.T. -0.001 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

Instrument :
MSVOA_U
ClientSampleId :

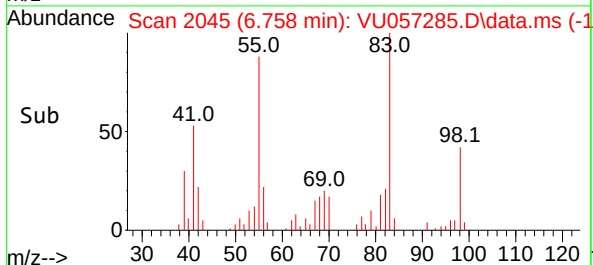
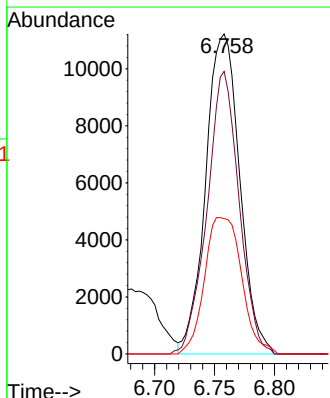
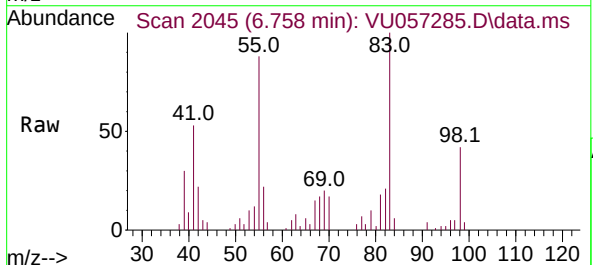


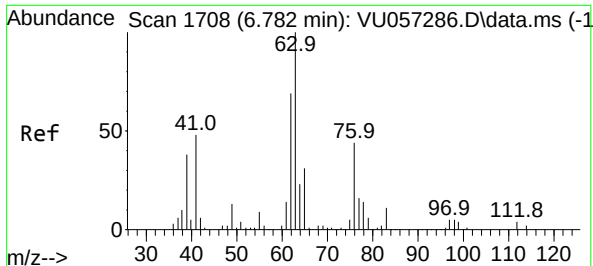
Tgt Ion:	95	Resp:	19191
Ion Ratio	100	Lower	Upper
95	100		
97	64.0	45.3	84.1
132	90.4	63.1	117.3
130	95.3	67.7	125.7



#35
Methylcyclohexane
Concen: 0.772 ug/L
RT: 6.758 min Scan# 2045
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

Tgt Ion:	83	Resp:	22168
Ion Ratio	100	Lower	Upper
83	100		
55	82.8	65.4	98.2
98	46.4	35.3	52.9

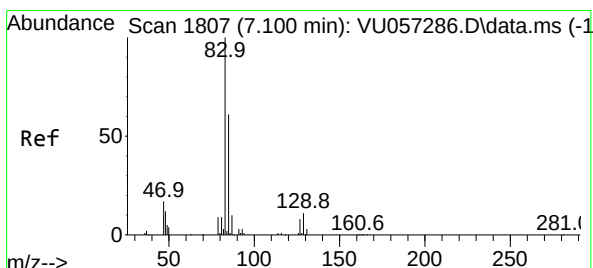
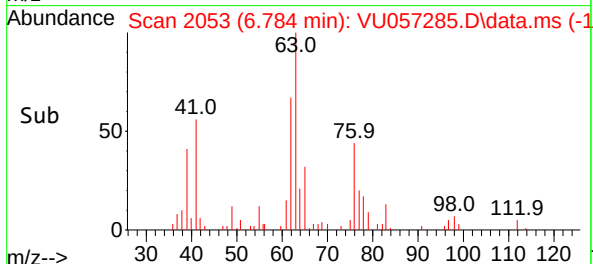
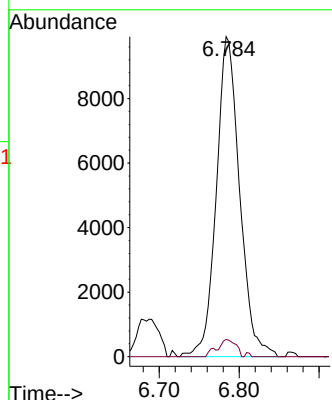
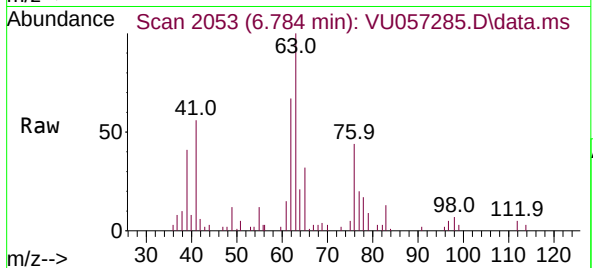




#37
1,2-Dichloropropane
Concen: 1.040 ug/L
RT: 6.784 min Scan# 20
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

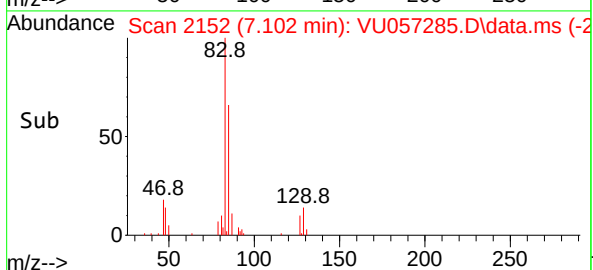
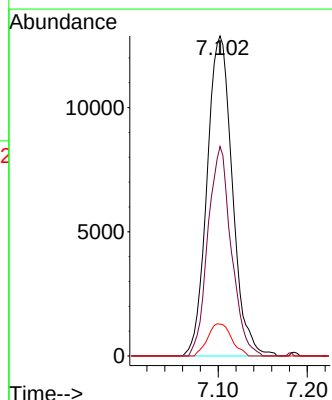
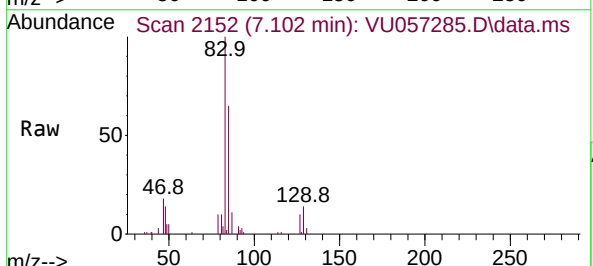
Instrument :
MSVOA_U
ClientSampleId :

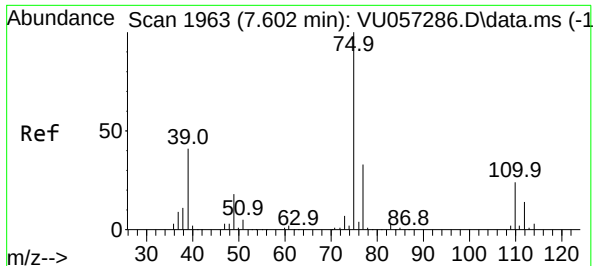
Tgt Ion: 63 Resp: 20070
Ion Ratio Lower Upper
63 100
112 3.5 2.9 4.3



#38
Bromodichloromethane
Concen: 0.926 ug/L
RT: 7.102 min Scan# 2152
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

Tgt Ion: 83 Resp: 25405
Ion Ratio Lower Upper
83 100
85 65.4 42.6 79.0
127 10.0 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 0.835 ug/L

RT: 7.604 min Scan# 21

Delta R.T. 0.002 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

Instrument :

MSVOA_U

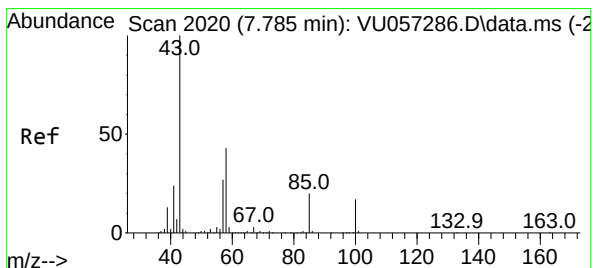
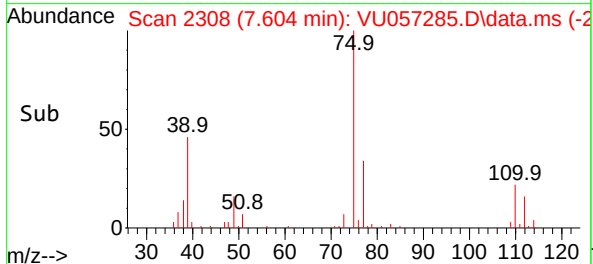
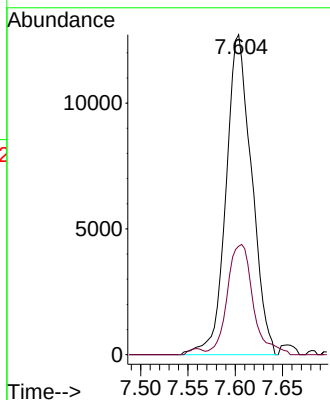
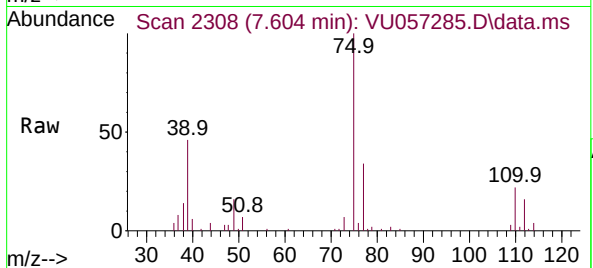
ClientSampleId :

Tgt Ion: 75 Resp: 23972

Ion Ratio Lower Upper

75 100

77 33.9 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 10.255 ug/L

RT: 7.787 min Scan# 2365

Delta R.T. 0.002 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

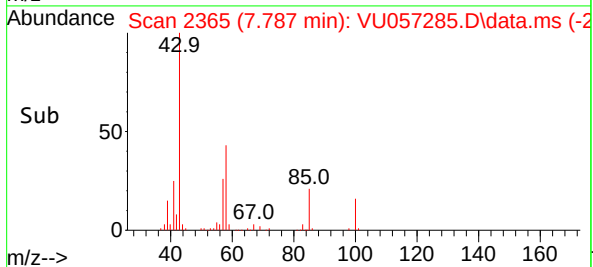
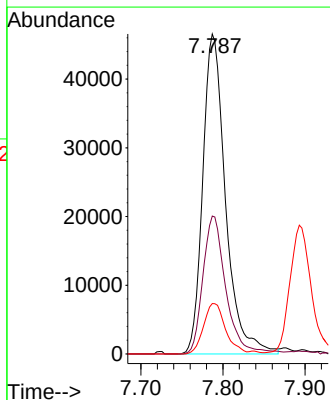
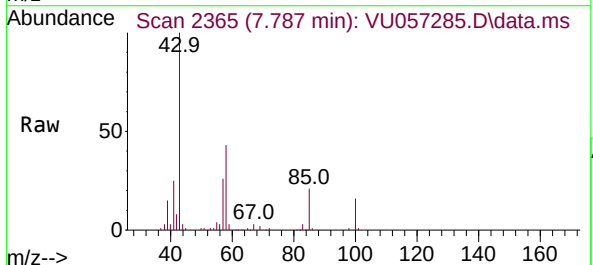
Tgt Ion: 43 Resp: 89809

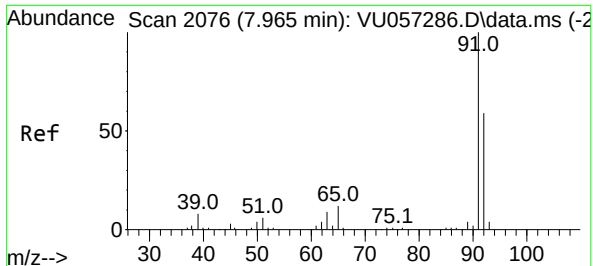
Ion Ratio Lower Upper

43 100

58 43.5 34.4 51.6

100 15.2 13.2 19.8





#42

Toluene

Concen: 0.862 ug/L

RT: 7.964 min Scan# 2496

Delta R.T. -0.001 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

Instrument :

MSVOA_U

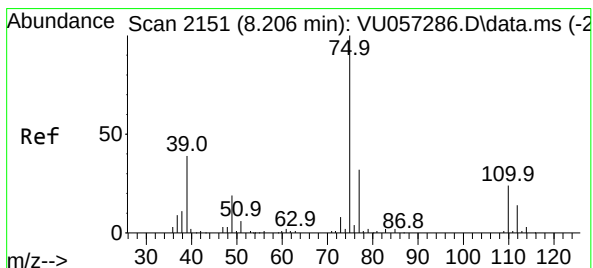
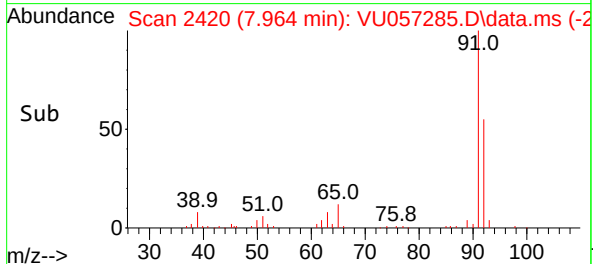
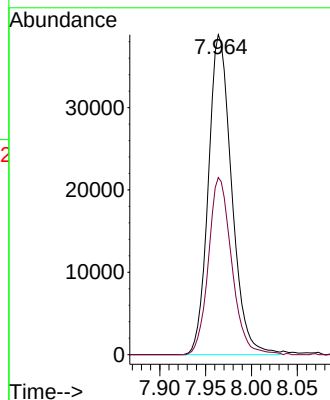
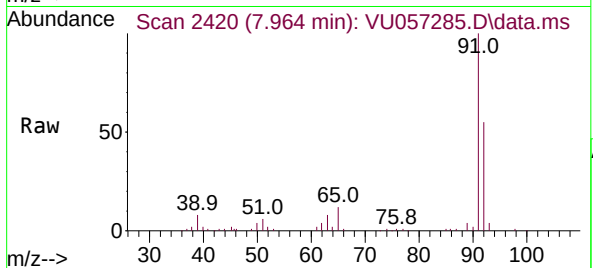
ClientSampleId :

Tgt Ion: 91 Resp: 68841

Ion Ratio Lower Upper

91 100

92 55.4 41.6 77.2



#44

trans-1,3-Dichloropropene

Concen: 0.915 ug/L

RT: 8.208 min Scan# 2496

Delta R.T. 0.002 min

Lab File: VU057285.D

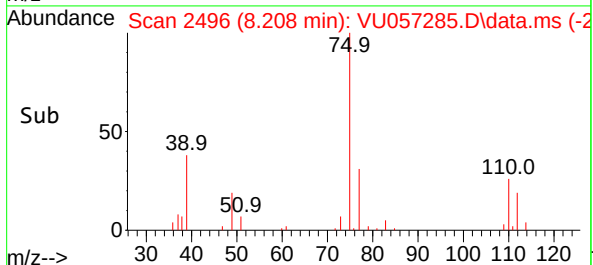
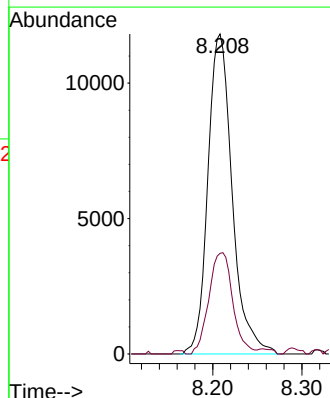
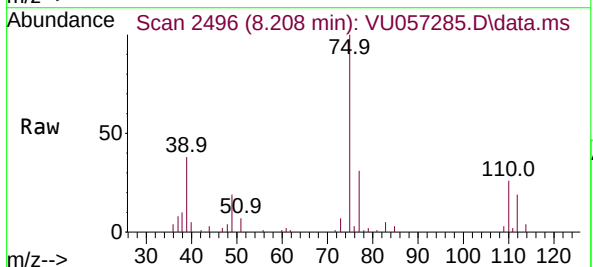
Acq: 27 Dec 2023 17:01

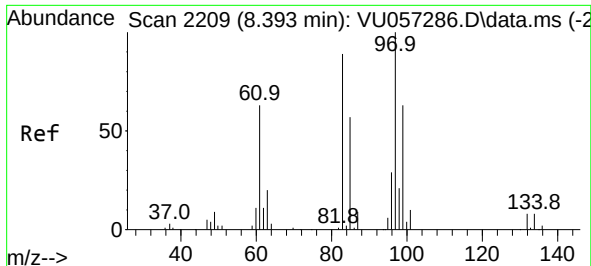
Tgt Ion: 75 Resp: 22380

Ion Ratio Lower Upper

75 100

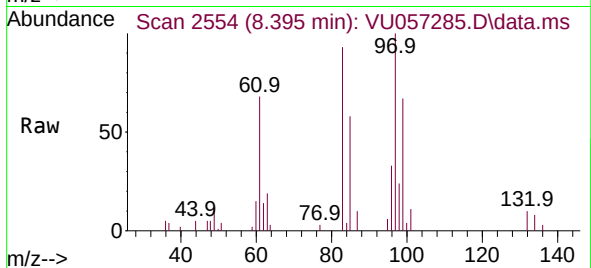
77 31.4 22.5 41.9



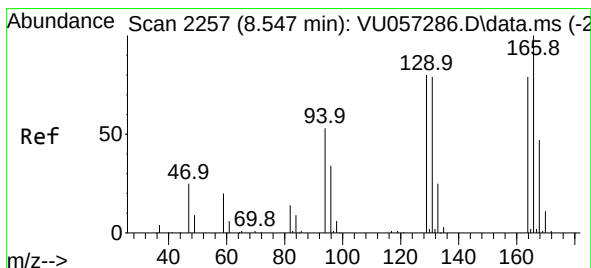
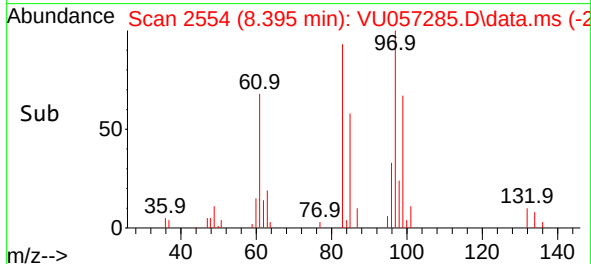
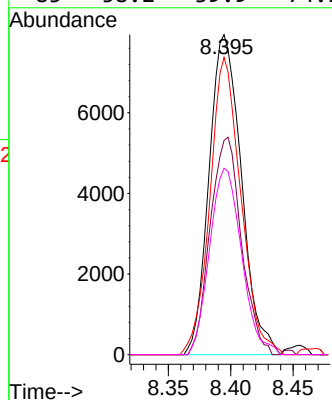


#45
1,1,2-Trichloroethane
Concen: 1.061 ug/L
RT: 8.395 min Scan# 210
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

Instrument :
MSVOA_U
ClientSampleId :

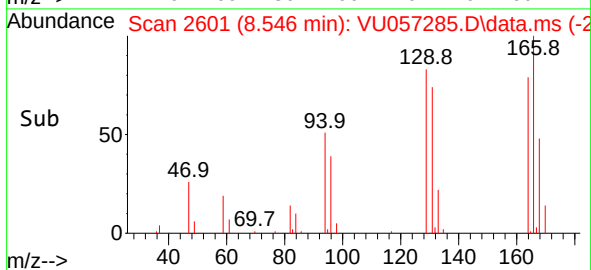
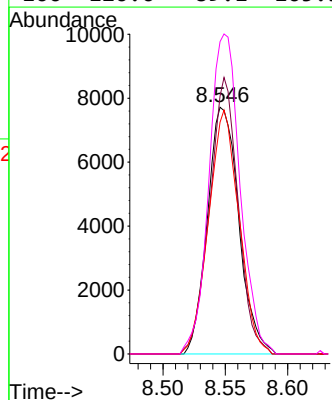
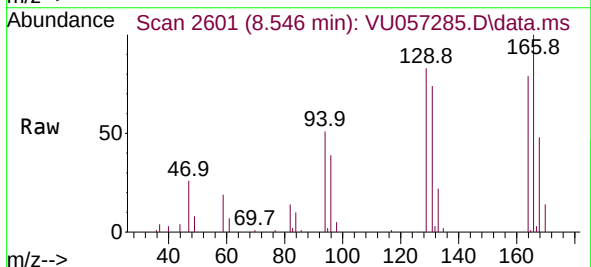


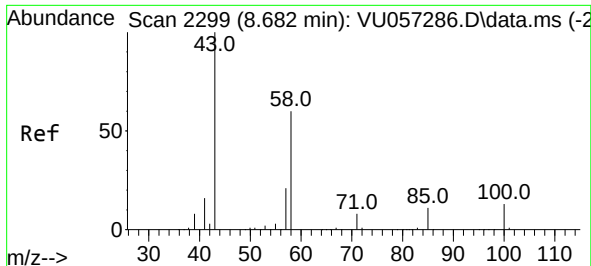
Tgt Ion:	97	Resp:	14362
Ion	Ratio	Lower	Upper
97	100		
99	67.0	44.0	81.8
83	92.9	62.3	115.7
85	58.2	39.9	74.1



#47
Tetrachloroethene
Concen: 0.866 ug/L
RT: 8.546 min Scan# 2601
Delta R.T. -0.001 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

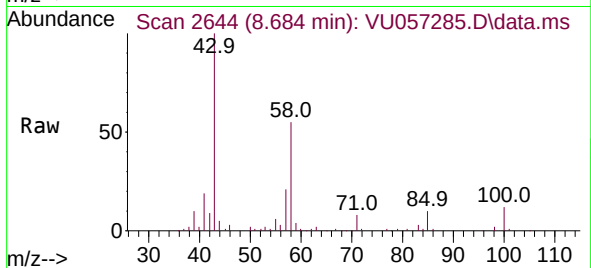
Tgt Ion:	164	Resp:	13549
Ion	Ratio	Lower	Upper
164	100		
129	104.4	71.3	132.5
131	93.9	70.7	131.3
166	126.6	89.1	165.5



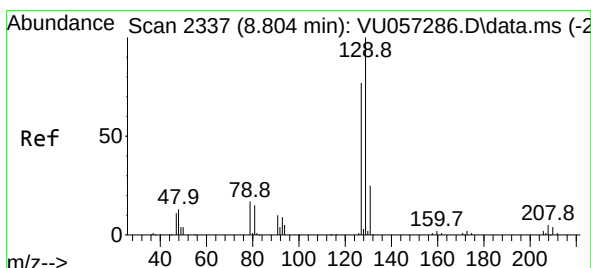
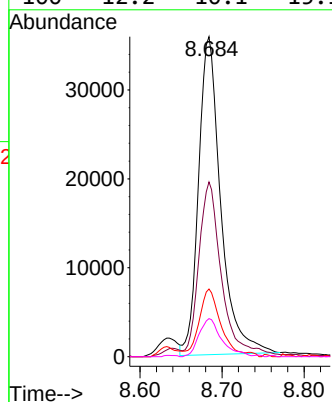
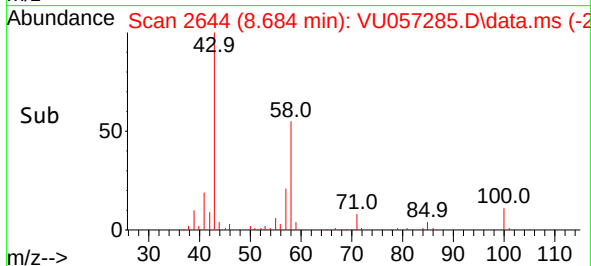


#48
2-Hexanone
Concen: 10.413 ug/L
RT: 8.684 min Scan# 20
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

Instrument :
MSVOA_U
ClientSampleId :

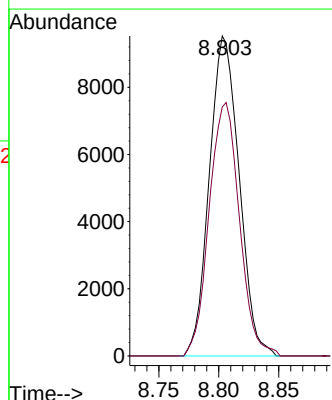
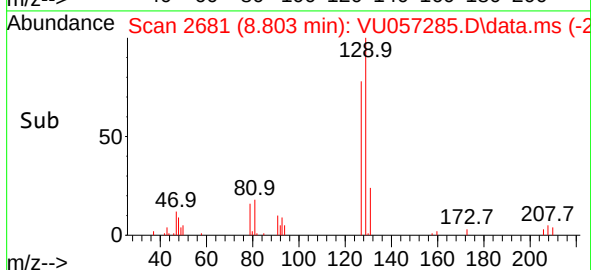
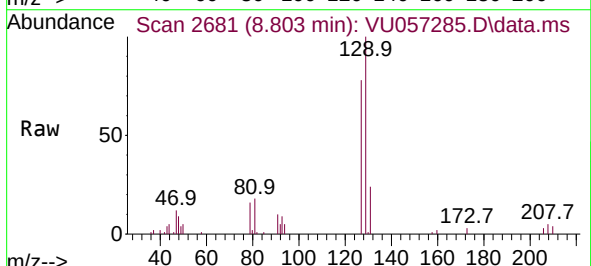


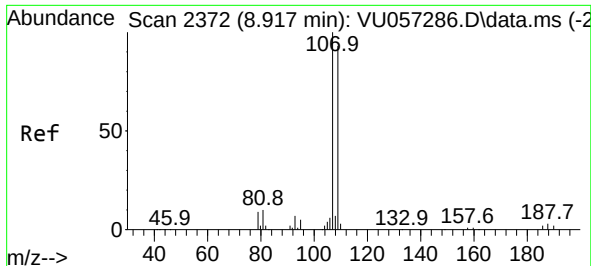
Tgt Ion: 43 Resp: 67423
Ion Ratio Lower Upper
43 100
58 54.9 48.4 72.6
57 18.5 17.4 26.2
100 12.2 10.1 15.1



#49
Dibromochloromethane
Concen: 0.964 ug/L
RT: 8.803 min Scan# 2681
Delta R.T. -0.001 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

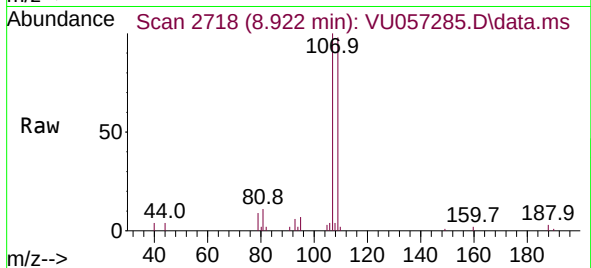
Tgt Ion: 129 Resp: 16467
Ion Ratio Lower Upper
129 100
127 77.8 54.2 100.6





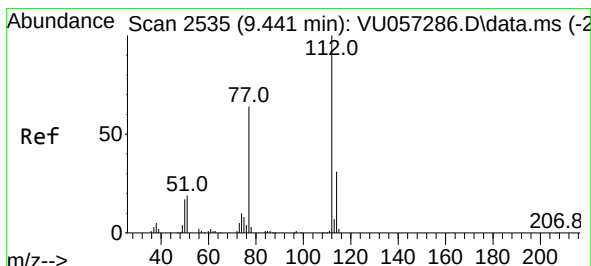
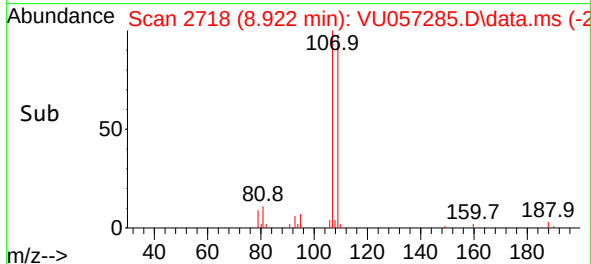
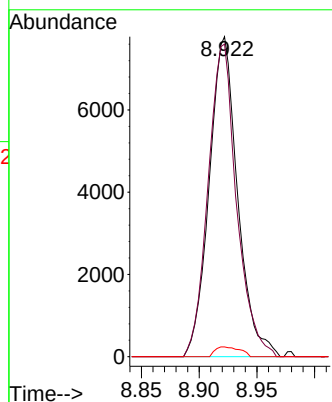
#50
 1,2-Dibromoethane
 Concen: 1.061 ug/L
 RT: 8.922 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: VU057285.D
 Acq: 27 Dec 2023 17:01

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:107 Resp: 13344

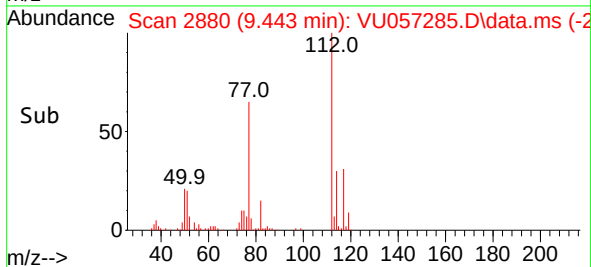
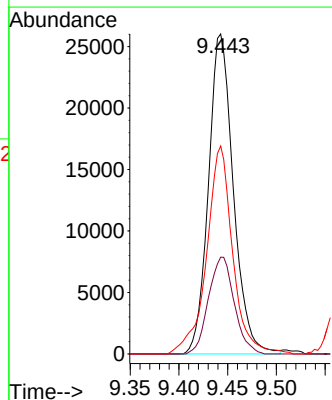
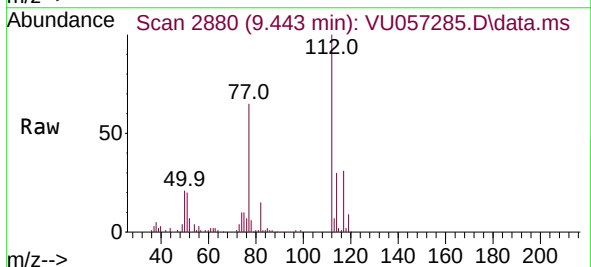
Ion	Ratio	Lower	Upper
107	100		
109	97.7	65.2	121.2
188	3.1	2.3	3.5

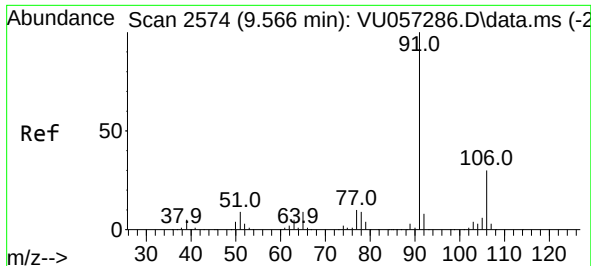


#51
 Chlorobenzene
 Concen: 0.886 ug/L
 RT: 9.443 min Scan# 2880
 Delta R.T. 0.002 min
 Lab File: VU057285.D
 Acq: 27 Dec 2023 17:01

Tgt Ion:112 Resp: 46264

Ion	Ratio	Lower	Upper
112	100		
114	30.3	21.8	40.4
77	65.0	51.2	76.8





#52

Ethylbenzene

Concen: 0.782 ug/L

RT: 9.565 min Scan# 2918

Delta R.T. -0.001 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

Instrument :

MSVOA_U

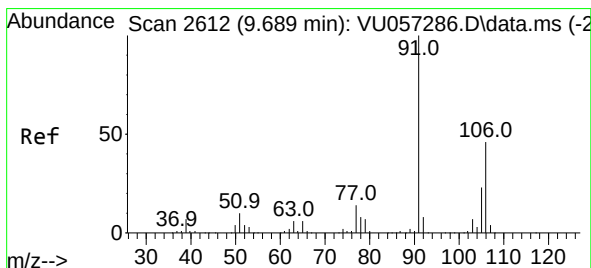
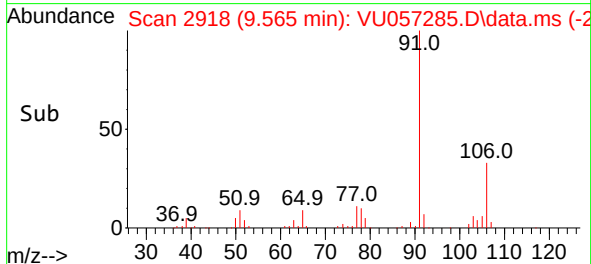
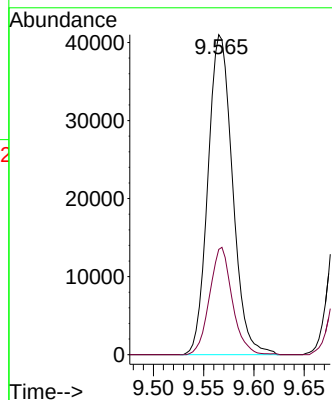
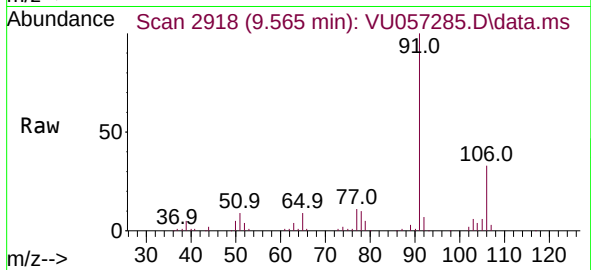
ClientSampleId :

Tgt Ion: 91 Resp: 69754

Ion Ratio Lower Upper

91 100

106 32.9 21.1 39.3



#53

m,p-Xylene

Concen: 0.772 ug/L

RT: 9.690 min Scan# 2957

Delta R.T. 0.002 min

Lab File: VU057285.D

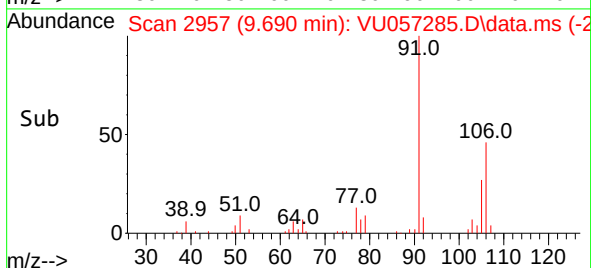
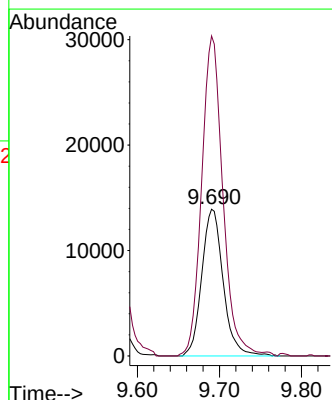
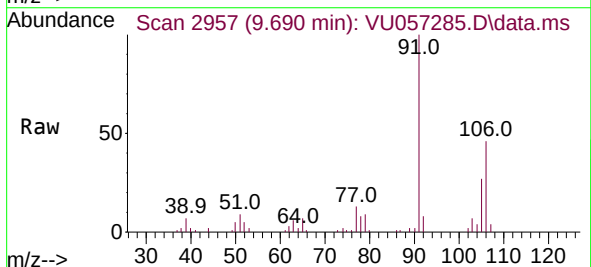
Acq: 27 Dec 2023 17:01

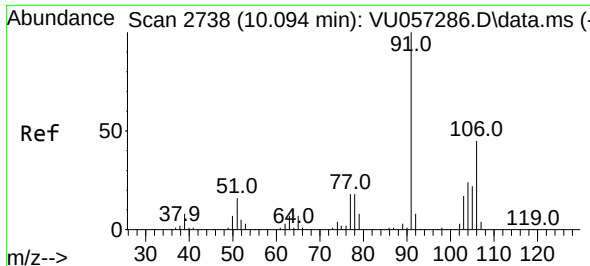
Tgt Ion:106 Resp: 25229

Ion Ratio Lower Upper

106 100

91 218.1 151.5 281.5

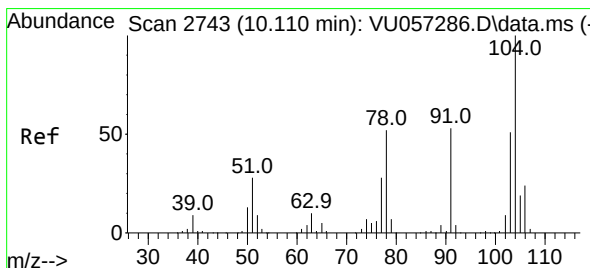
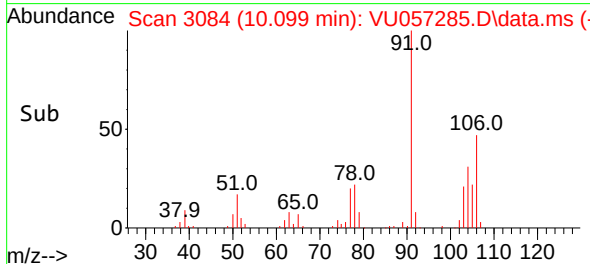
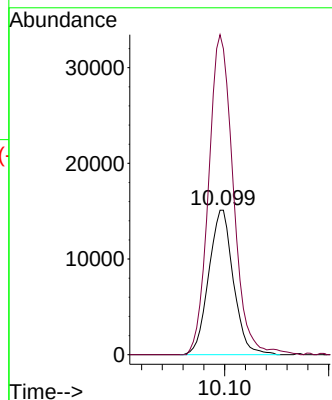
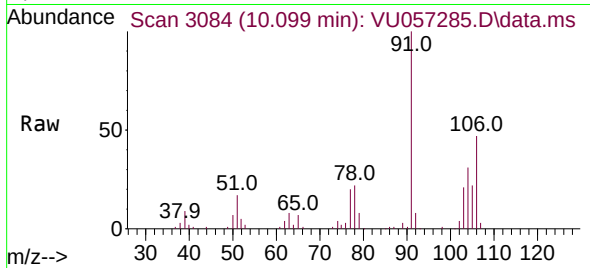




#54
o-Xylene
Concen: 0.787 ug/L
RT: 10.099 min Scan# 3084
Delta R.T. 0.005 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

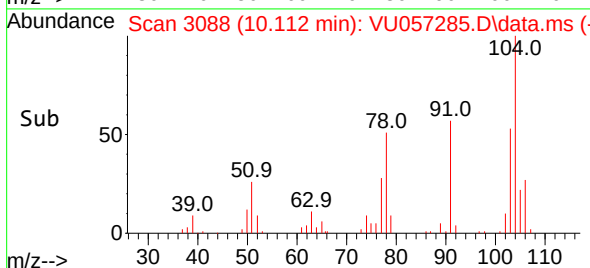
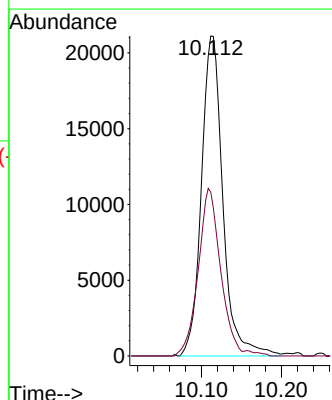
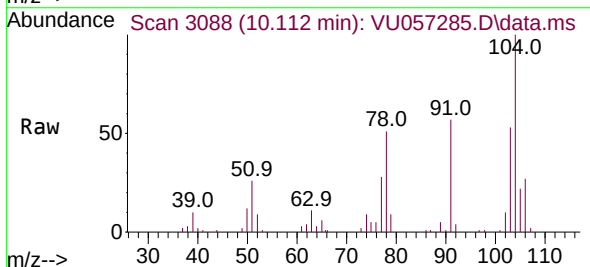
Instrument :
MSVOA_U
ClientSampleId :

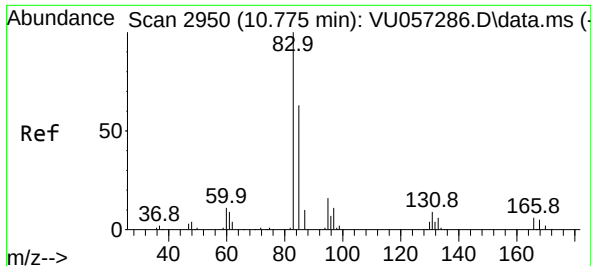
Tgt Ion:106 Resp: 24851
Ion Ratio Lower Upper
106 100
91 211.8 156.0 289.8



#55
Styrene
Concen: 0.756 ug/L
RT: 10.112 min Scan# 3088
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

Tgt Ion:104 Resp: 39478
Ion Ratio Lower Upper
104 100
78 51.2 36.3 67.3





#57

1,1,2,2-Tetrachloroethane

Concen: 1.081 ug/L

RT: 10.777 min Scan# 31

Delta R.T. 0.002 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

Instrument :

MSVOA_U

ClientSampleId :

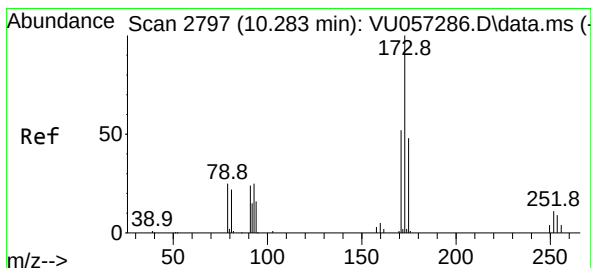
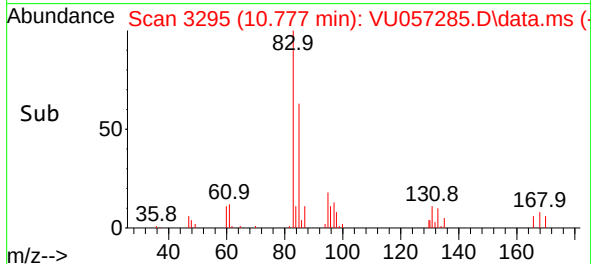
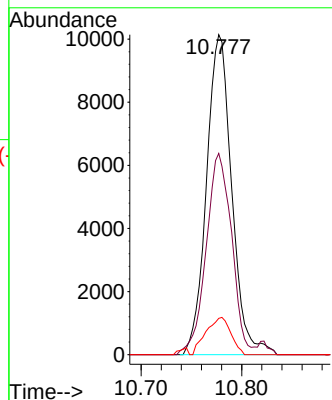
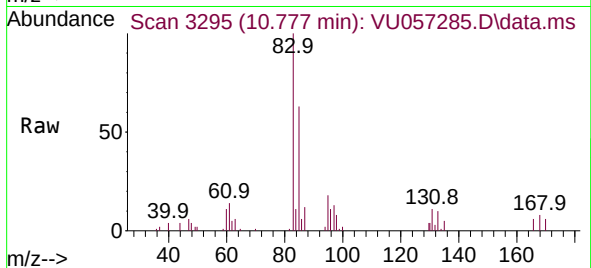
Tgt Ion: 83 Resp: 17699

Ion Ratio Lower Upper

83 100

85 62.9 44.7 83.1

131 11.3 7.7 11.5



#59

Bromoform

Concen: 1.097 ug/L

RT: 10.285 min Scan# 3142

Delta R.T. 0.002 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

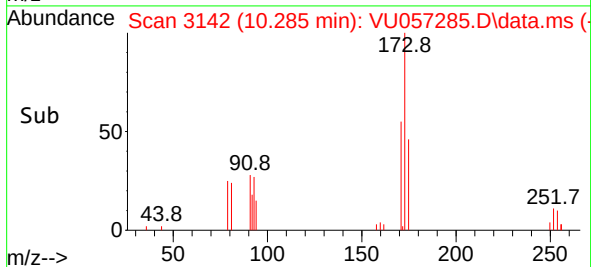
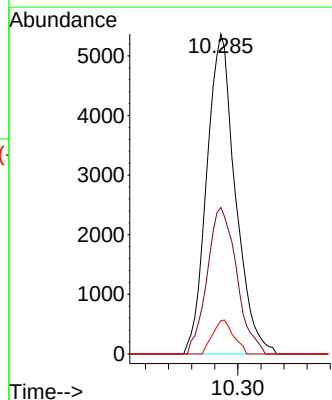
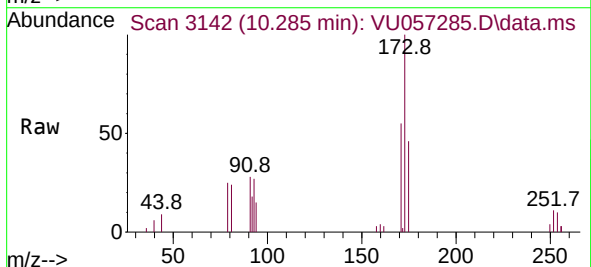
Tgt Ion:173 Resp: 9234

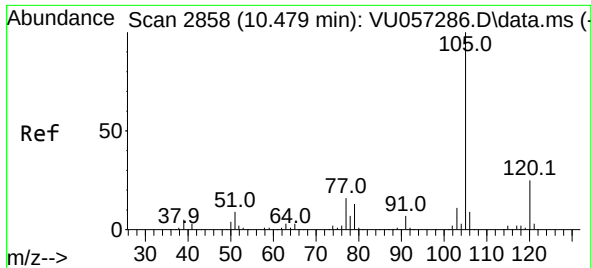
Ion Ratio Lower Upper

173 100

175 47.0 40.2 60.2

254 7.7 6.8 10.2

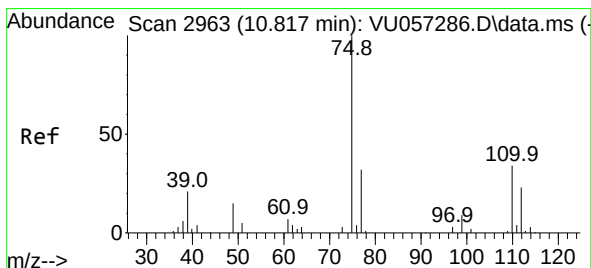
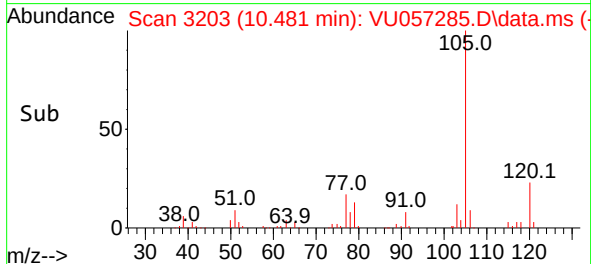
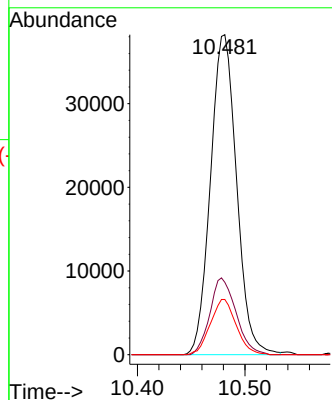
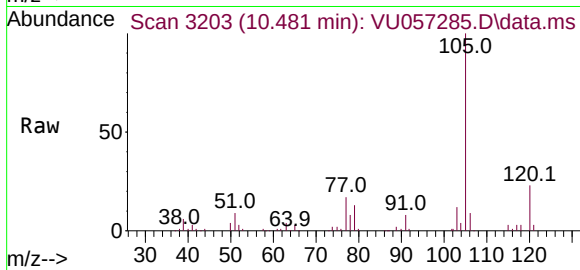




#60
Isopropylbenzene
Concen: 0.831 ug/L
RT: 10.481 min Scan# 31
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

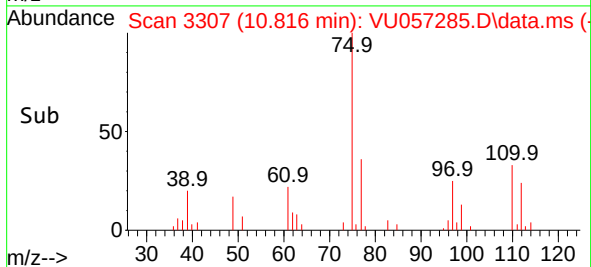
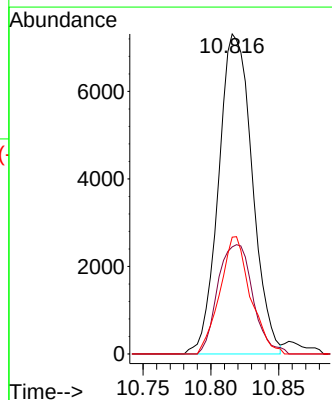
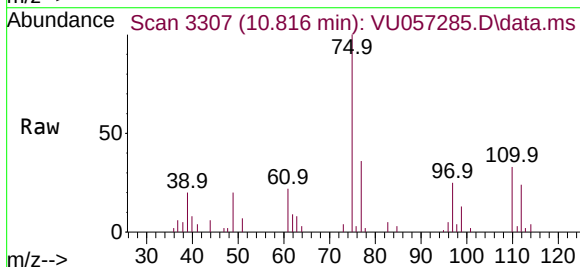
Instrument :
MSVOA_U
ClientSampleId :

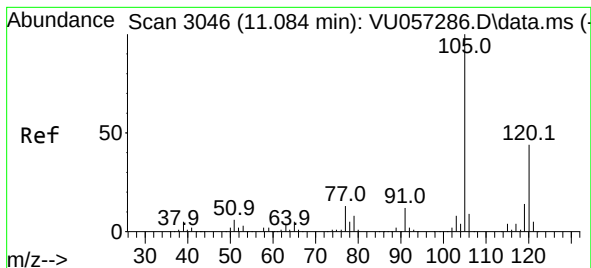
Tgt Ion:105 Resp: 64519
Ion Ratio Lower Upper
105 100
120 24.0 20.2 30.4
77 17.1 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 1.203 ug/L
RT: 10.816 min Scan# 3307
Delta R.T. -0.001 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

Tgt Ion: 75 Resp: 12628
Ion Ratio Lower Upper
75 100
110 35.6 29.0 43.6
77 33.3 25.4 38.2





#62

1,3,5-Trimethylbenzene

Concen: 0.738 ug/L

RT: 11.083 min Scan# 31

Delta R.T. -0.001 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

Instrument :

MSVOA_U

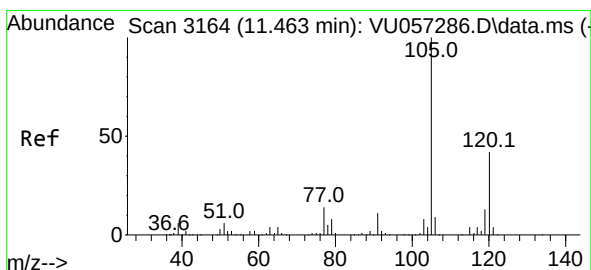
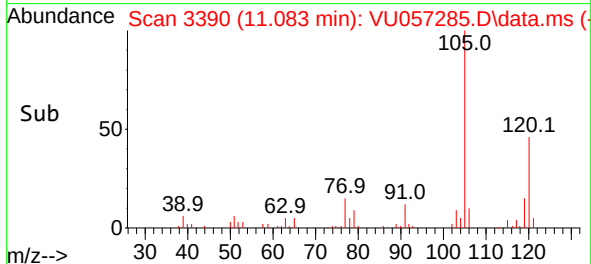
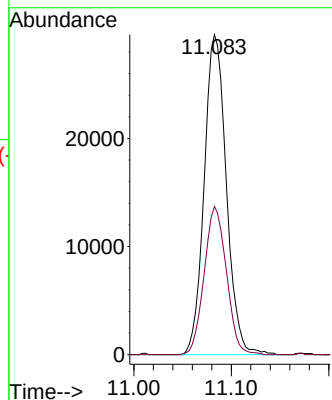
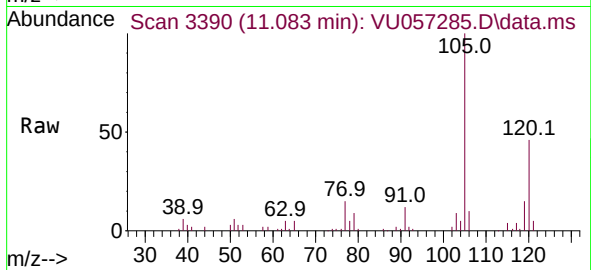
ClientSampleId :

Tgt Ion:105 Resp: 46786

Ion Ratio Lower Upper

105 100

120 46.5 36.0 54.0



#63

1,2,4-Trimethylbenzene

Concen: 0.717 ug/L

RT: 11.465 min Scan# 3509

Delta R.T. 0.002 min

Lab File: VU057285.D

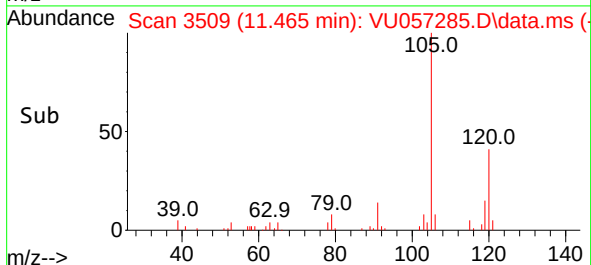
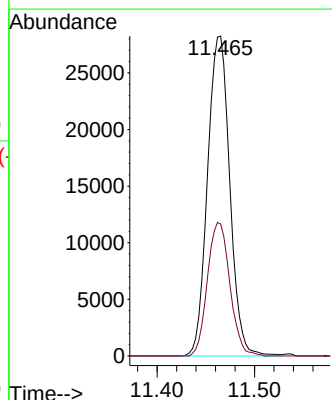
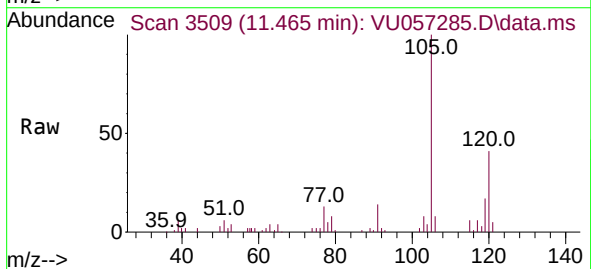
Acq: 27 Dec 2023 17:01

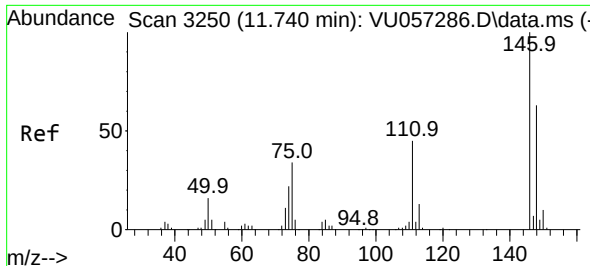
Tgt Ion:105 Resp: 44823

Ion Ratio Lower Upper

105 100

120 42.0 33.5 50.3

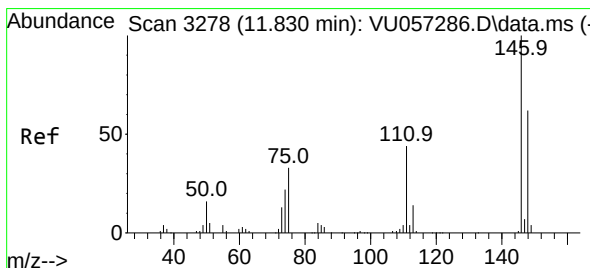
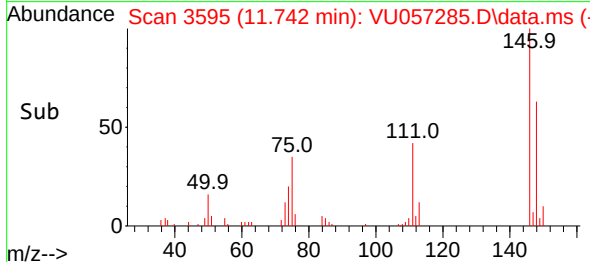
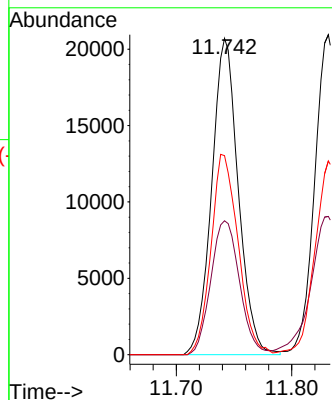
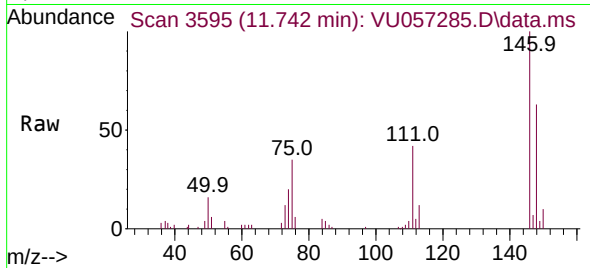




#64
1,3-Dichlorobenzene
Concen: 0.892 ug/L
RT: 11.742 min Scan# 311
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

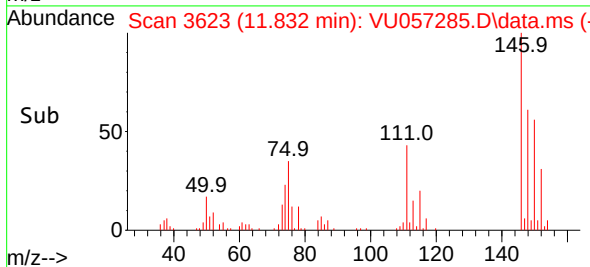
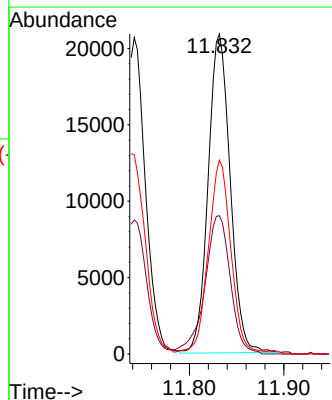
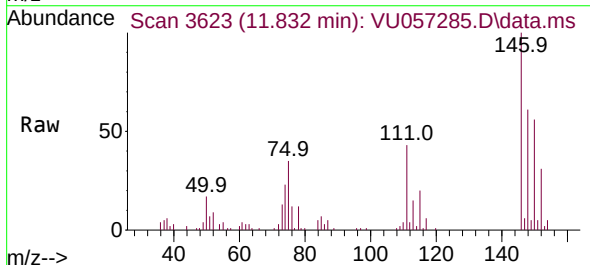
Instrument :
MSVOA_U
ClientSampleId :

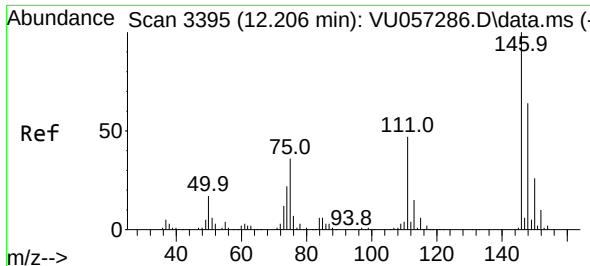
Tgt Ion:146 Resp: 33064
Ion Ratio Lower Upper
146 100
111 42.3 31.4 58.2
148 62.9 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 0.909 ug/L
RT: 11.832 min Scan# 3623
Delta R.T. 0.002 min
Lab File: VU057285.D
Acq: 27 Dec 2023 17:01

Tgt Ion:146 Resp: 33887
Ion Ratio Lower Upper
146 100
111 43.2 30.9 57.3
148 60.6 43.4 80.6





#67

1,2-Dichlorobenzene

Concen: 0.981 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.002 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

Instrument :

MSVOA_U

ClientSampleId :

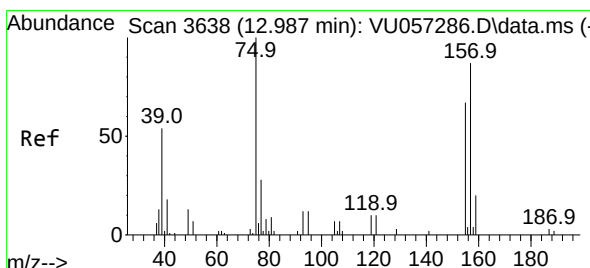
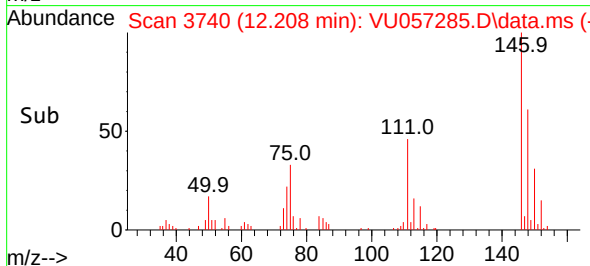
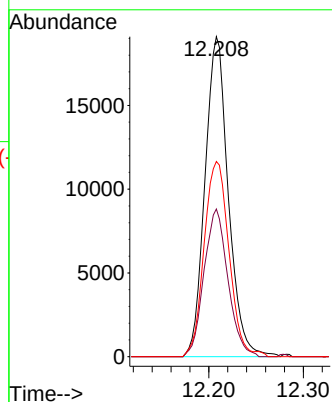
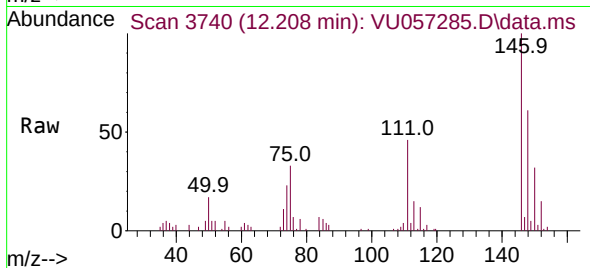
Tgt Ion:146 Resp: 32759

Ion Ratio Lower Upper

146 100

111 46.2 37.8 56.8

148 61.0 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 1.119 ug/L

RT: 12.992 min Scan# 3984

Delta R.T. 0.005 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

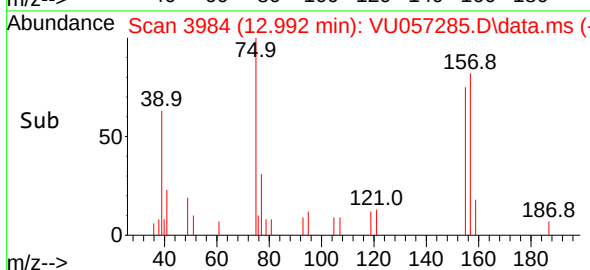
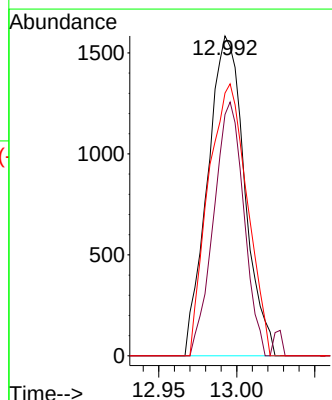
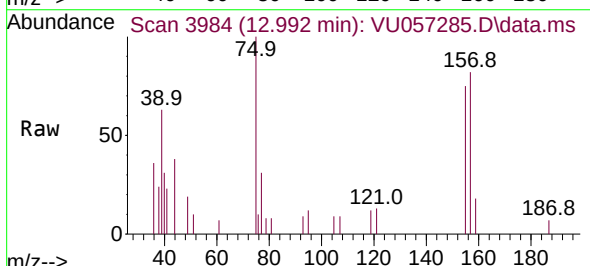
Tgt Ion: 75 Resp: 2614

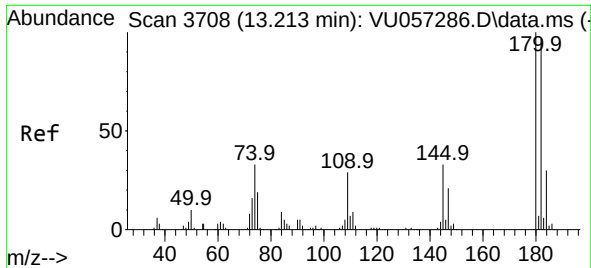
Ion Ratio Lower Upper

75 100

155 75.4 53.8 80.8

157 82.1 69.7 104.5





#69

1,3,5-Trichlorobenzene

Concen: 0.859 ug/L

RT: 13.214 min Scan# 4053

Delta R.T. 0.002 min

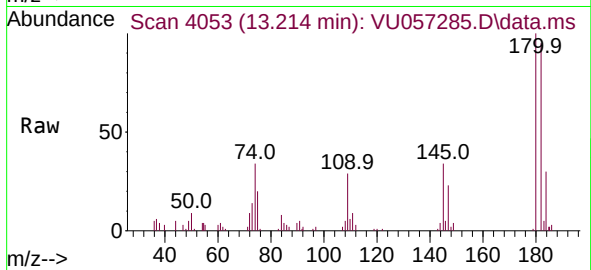
Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 23505

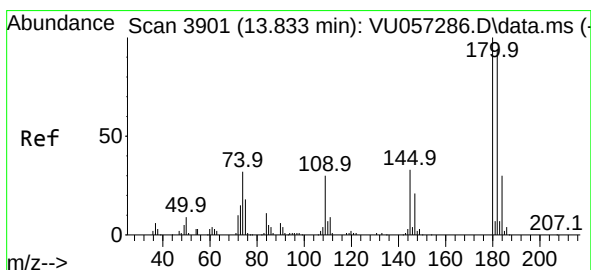
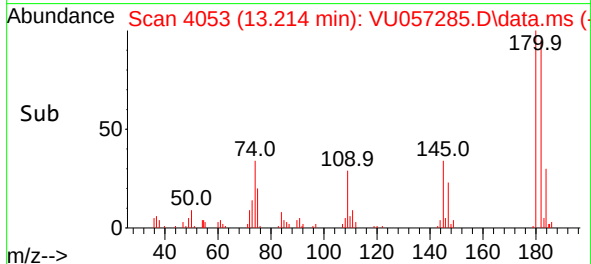
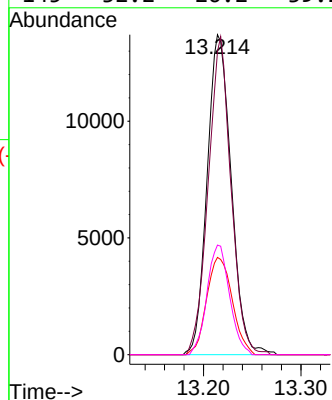
Ion Ratio Lower Upper

180 100

182 93.9 76.3 114.5

184 32.4 23.6 35.4

145 32.2 26.2 39.2



#70

1,2,4-trichlorobenzene

Concen: 0.846 ug/L

RT: 13.838 min Scan# 4247

Delta R.T. 0.005 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

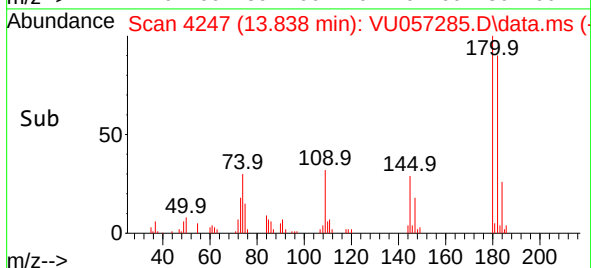
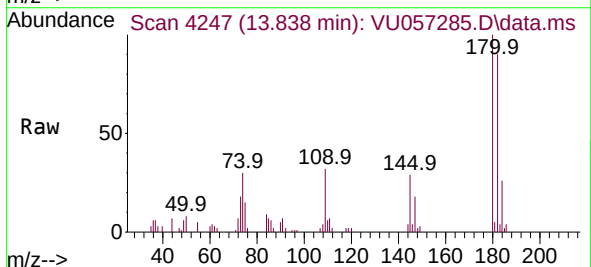
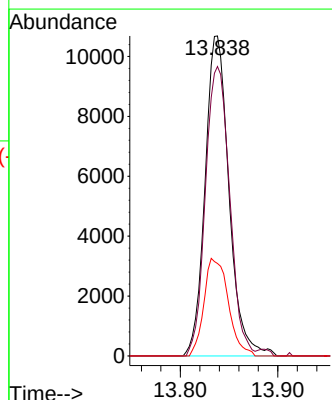
Tgt Ion:180 Resp: 18241

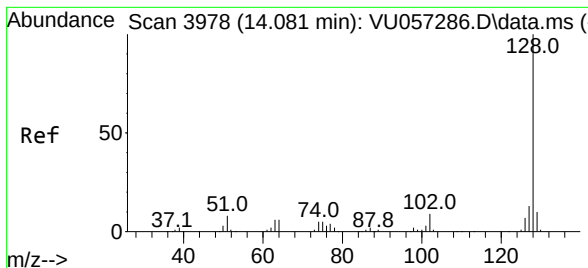
Ion Ratio Lower Upper

180 100

182 91.4 76.2 114.4

145 30.9 26.7 40.1





#71

Naphthalene

Concen: 0.893 ug/L

RT: 14.086 min Scan# 41

Delta R.T. 0.005 min

Lab File: VU057285.D

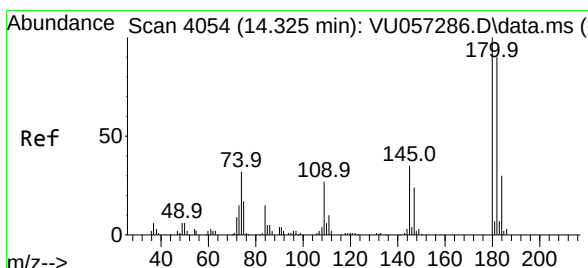
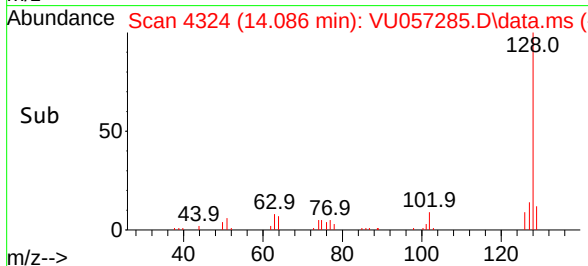
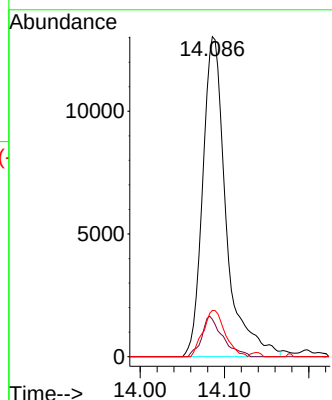
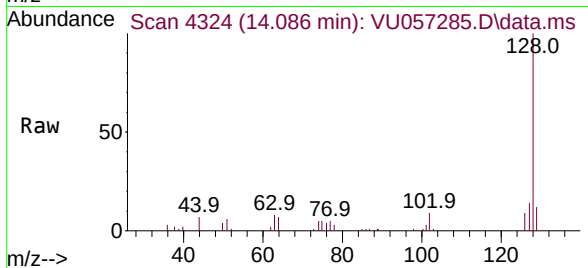
Acq: 27 Dec 2023 17:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp:	25152
Ion Ratio	Lower	Upper
128	100	
129	11.3	8.6 13.0
127	13.6	9.8 14.6



#72

1,2,3-Trichlorobenzene

Concen: 0.881 ug/L

RT: 14.327 min Scan# 4399

Delta R.T. 0.002 min

Lab File: VU057285.D

Acq: 27 Dec 2023 17:01

Tgt Ion:180	Resp:	15127
Ion Ratio	Lower	Upper
180	100	
182	95.0	75.8 113.8
145	37.4	28.0 42.0

