

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
 Data File : VU044285.D
 Acq On : 01 Jul 2021 14:49
 Operator : SY/MD
 Sample : M2905-18
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 02 01:52:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 02 01:46:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	158810	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	151272	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	84505	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	27594	3.209	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.200%
7) Chloroethane-d5	1.919	69	30923	3.652	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.000%
11) 1,1-Dichloroethene-d2	2.575	65	15278	3.462	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.200%
20) 2-Butanone-d5	4.642	46	129881	41.020	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.040%
24) Chloroform-d	5.073	84	76088	3.931	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
26) 1,2-Dichloroethane-d4	5.713	65	44569	3.852	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.000%
32) Benzene-d6	5.735	84	151538	4.033	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.600%
36) 1,2-Dichloropropane-d6	6.700	67	49797	4.090	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.800%
41) Toluene-d8	7.906	98	139231	3.994	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.800%
43) trans-1,3-Dichloroprop...	8.185	79	19824	3.510	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.200%
46) 2-Hexanone-d5	8.639	63	119041	44.254	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.500%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	42931	3.966	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.400%
66) 1,2-Dichlorobenzene-d4	12.198	152	60643	4.356	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	1387	0.128	ug/L #	82
8) Chloroethane	2.083	64	3217	0.421	ug/L #	50
14) Carbon disulfide	2.803	76	1994	0.071	ug/L #	74
15) Methyl Acetate	2.970	43	343	0.086	ug/L #	53
21) 2-Butanone	4.459	43	13037	4.053	ug/L #	1
35) Methylcyclohexane	6.771	83	3230	0.182	ug/L	88
37) 1,2-Dichloropropane	6.700	63	5791	0.553	ug/L #	87
39) cis-1,3-Dichloropropene	7.574	75	1444	0.084	ug/L #	32
42) Toluene	7.976	91	5055	0.116	ug/L	85
51) Chlorobenzene	9.452	112	3571	0.128	ug/L	92
52) Ethylbenzene	9.578	91	13885	0.275	ug/L	98
53) m,p-Xylene	9.700	106	15133	0.792	ug/L	99
54) o-Xylene	10.108	106	25884	1.394	ug/L	94
60) Isopropylbenzene	10.491	105	226428	4.407	ug/L	100
61) 1,2,3-Trichloropropane	10.912	75	4473	0.586	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.095	105	495203	11.060	ug/L	97
63) 1,2,4-Trimethylbenzene	11.475	105	1581757	34.540	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	1331	0.061	ug/L #	76
68) 1,2-Dibromo-3-chloropr...	12.979	75	1284	0.644	ug/L #	22

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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 02 01:46:49 2021
 Response via : Initial Calibration

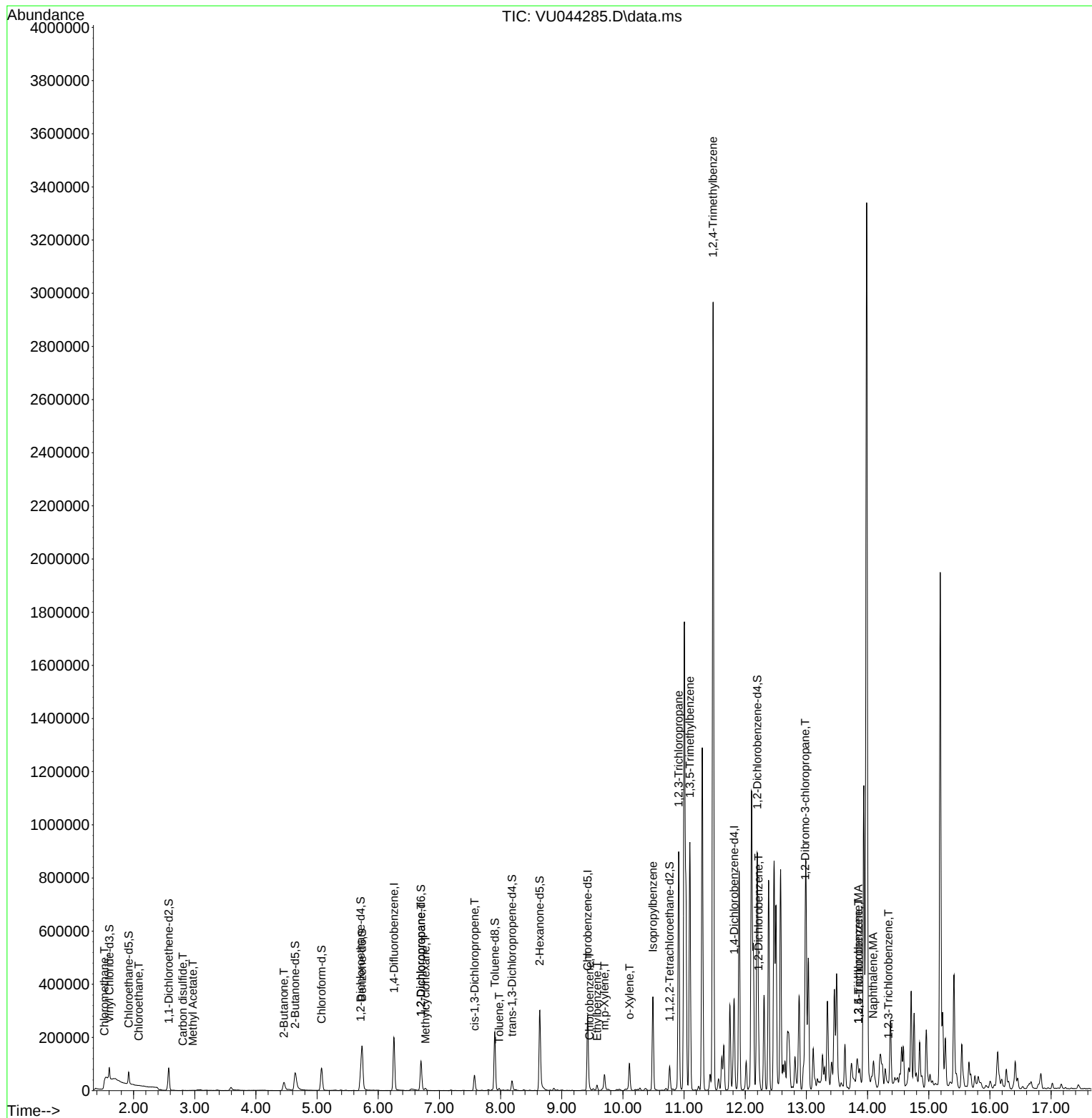
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,3,5-Trichlorobenzene	13.848	180	2774	0.157	ug/L #	57
70) 1,2,4-trichlorobenzene	13.848	180	2774	0.185	ug/L #	48
71) Naphthalene	14.092	128	40805	1.506	ug/L #	80
72) 1,2,3-Trichlorobenzene	14.339	180	698	0.054	ug/L #	1

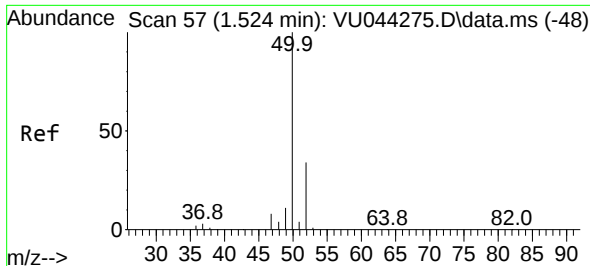
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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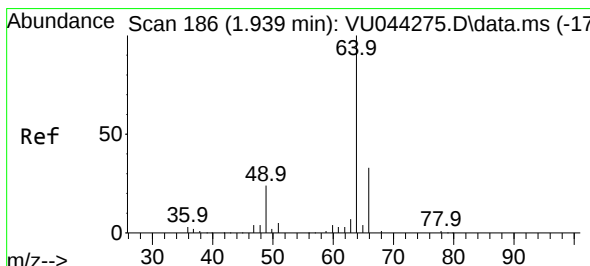
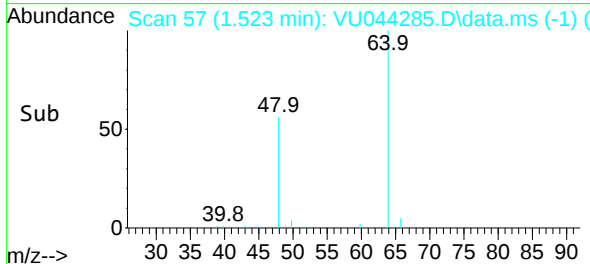
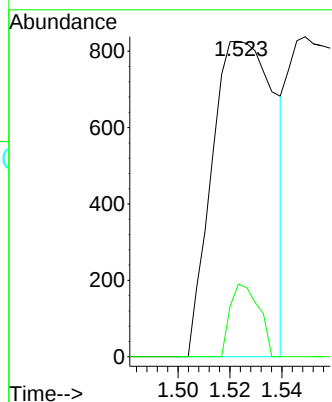
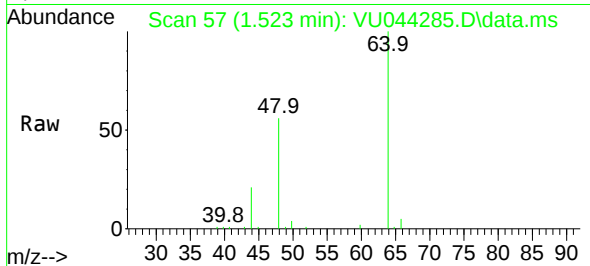




#3
Chloromethane
Concen: 0.128 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.001 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

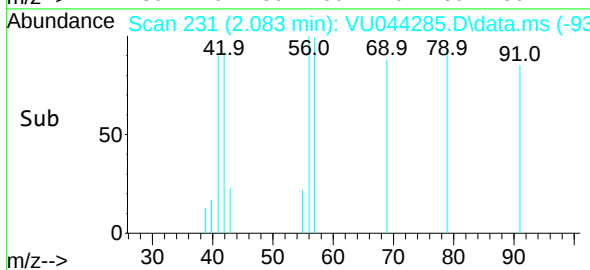
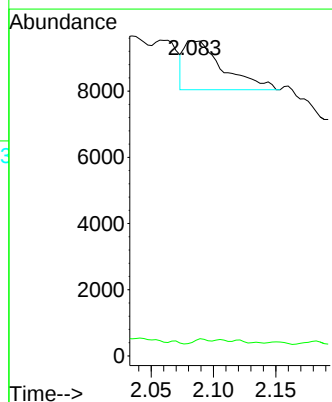
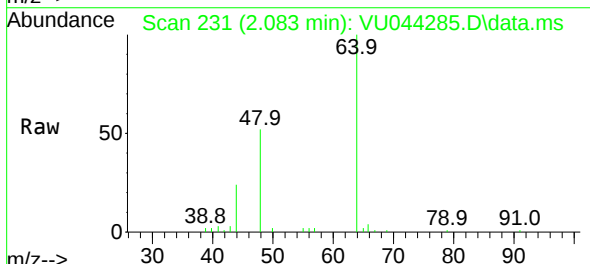
Instrument :
MSVOA_U
ClientSampled :

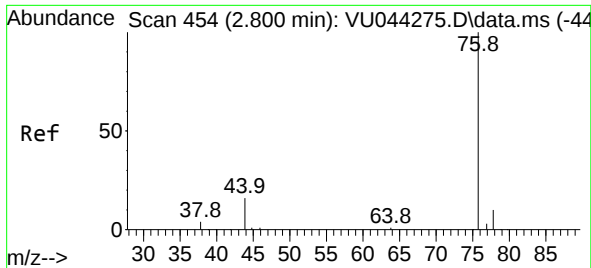
Tgt Ion: 50 Resp: 1387
Ion Ratio Lower Upper
50 100
52 23.0 23.1 42.9#



#8
Chloroethane
Concen: 0.421 ug/L
RT: 2.083 min Scan# 231
Delta R.T. 0.144 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

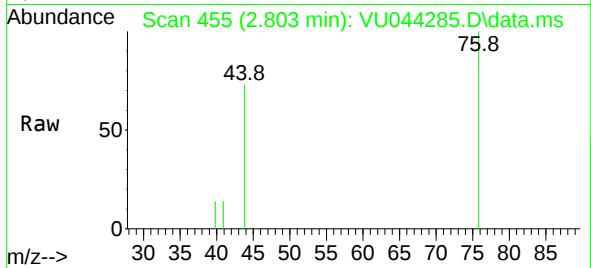
Tgt Ion: 64 Resp: 3217
Ion Ratio Lower Upper
64 100
66 4.3 22.7 42.3#



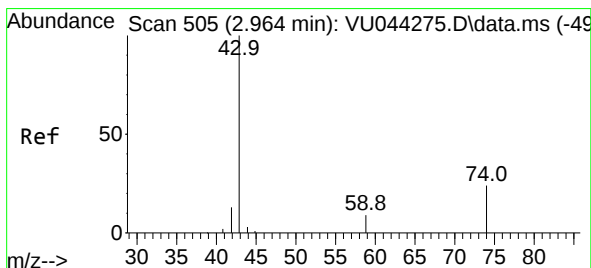
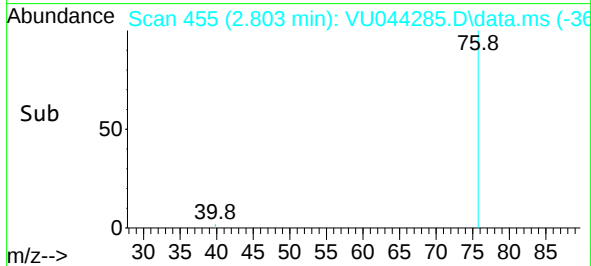
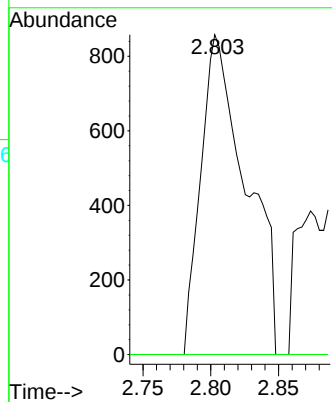


#14
Carbon disulfide
Concen: 0.071 ug/L
RT: 2.803 min Scan# 455
Delta R.T. 0.003 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

Instrument :
MSVOA_U
ClientSampled :

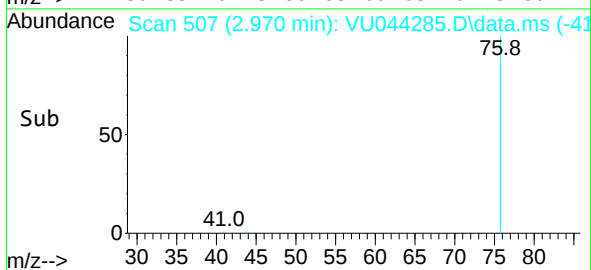
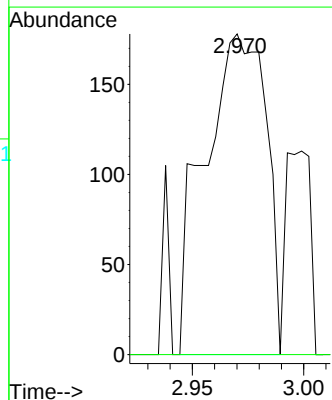
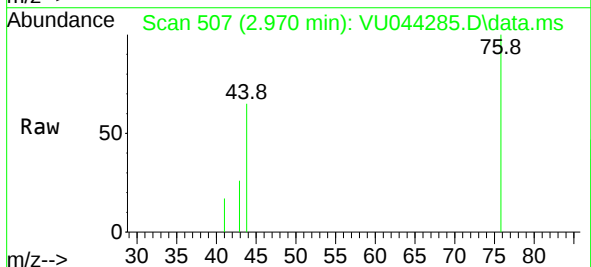


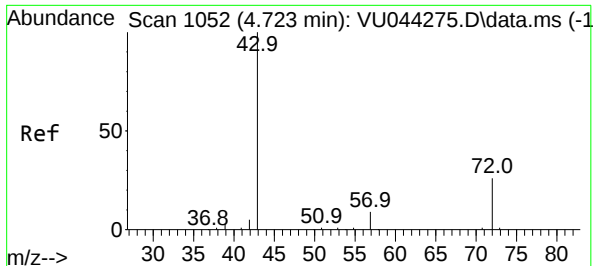
Tgt Ion: 76 Resp: 1994
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#15
Methyl Acetate
Concen: 0.086 ug/L
RT: 2.970 min Scan# 507
Delta R.T. 0.006 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

Tgt Ion: 43 Resp: 343
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#

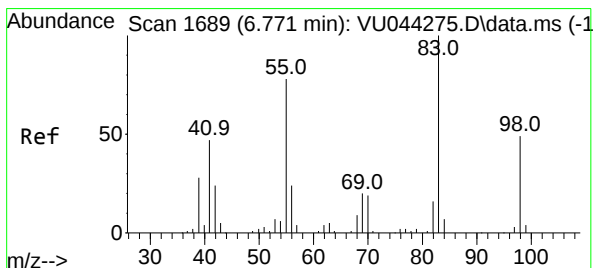
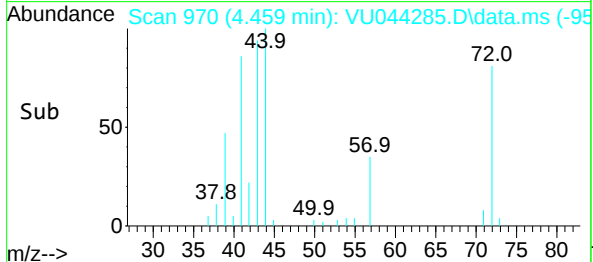
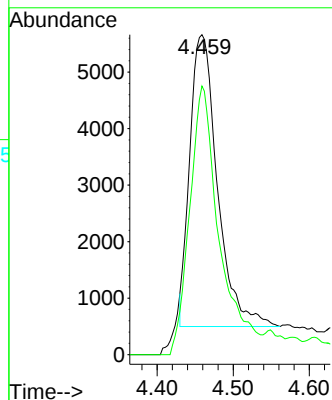
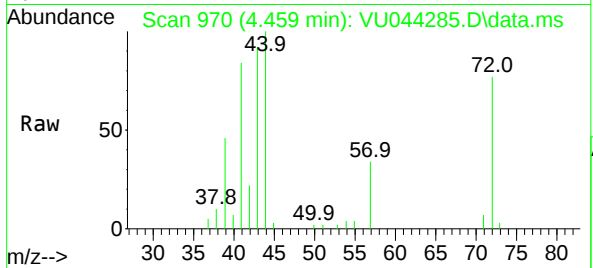




#21
2-Butanone
Concen: 4.053 ug/L
RT: 4.459 min Scan# 970
Delta R.T. -0.264 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

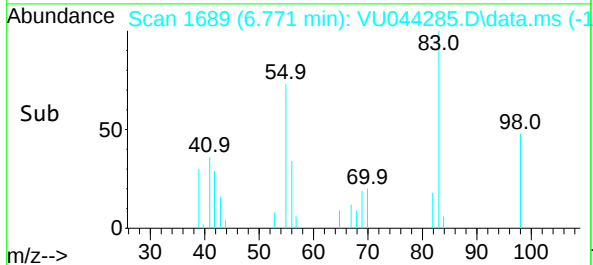
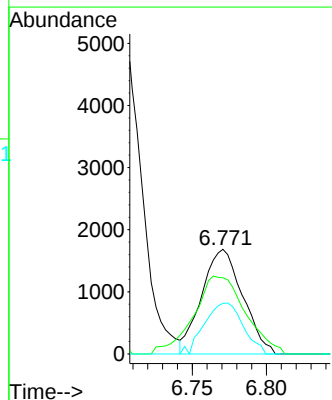
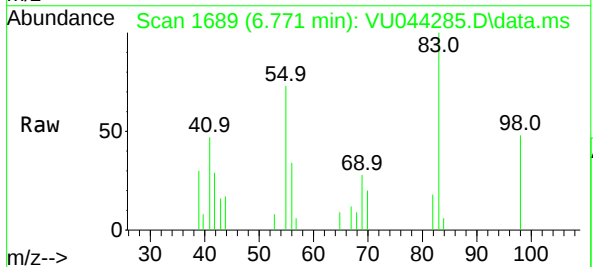
Instrument :
MSVOA_U
ClientSampled :

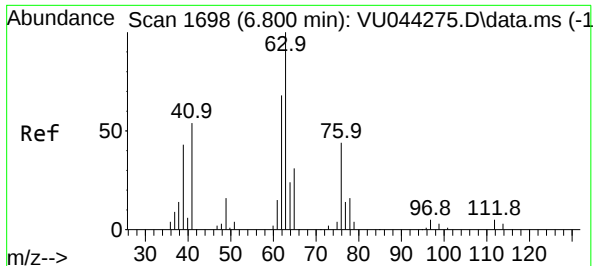
Tgt Ion: 43 Resp: 13037
Ion Ratio Lower Upper
43 100
72 78.7 13.4 40.1#



#35
Methylcyclohexane
Concen: 0.182 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. -0.001 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

Tgt Ion: 83 Resp: 3230
Ion Ratio Lower Upper
83 100
55 93.6 63.4 95.0
98 45.8 39.4 59.0



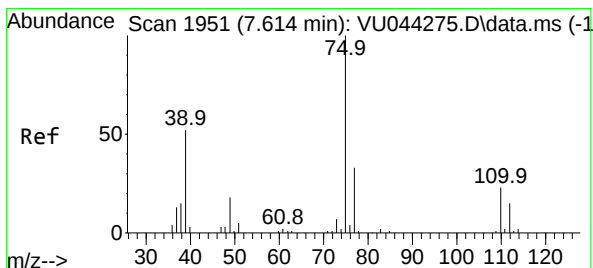
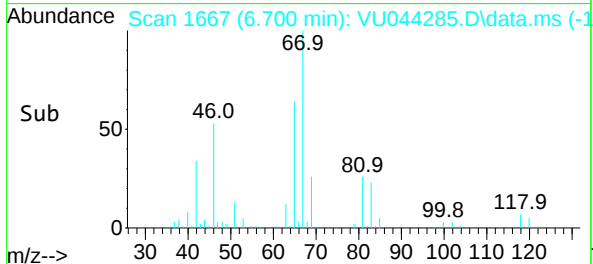
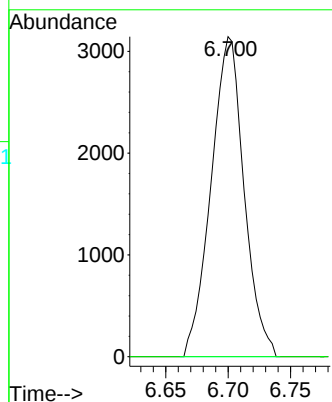
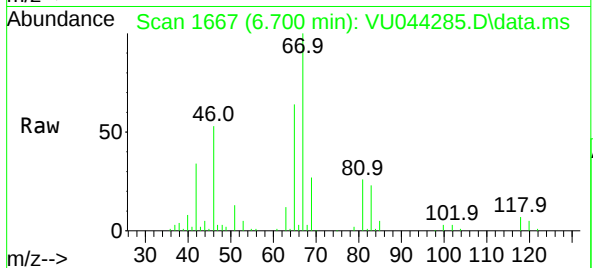


#37

1,2-Dichloropropane
Concen: 0.553 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

Instrument :
MSVOA_U
ClientSampled :

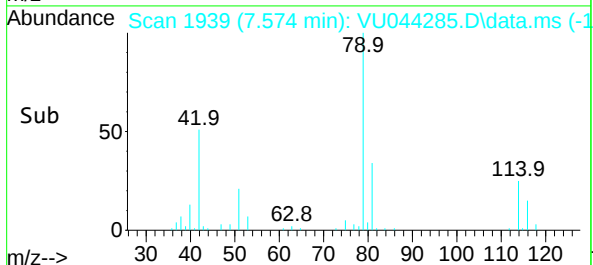
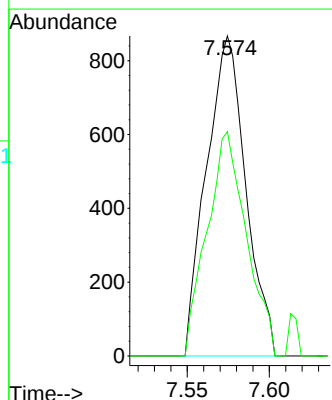
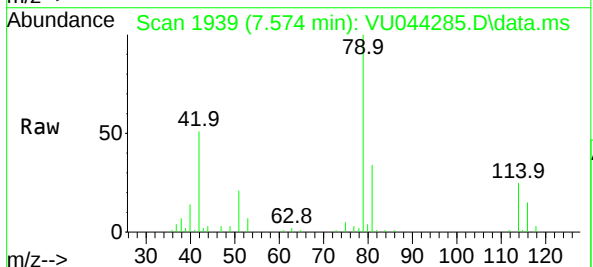
Tgt Ion: 63 Resp: 5791
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

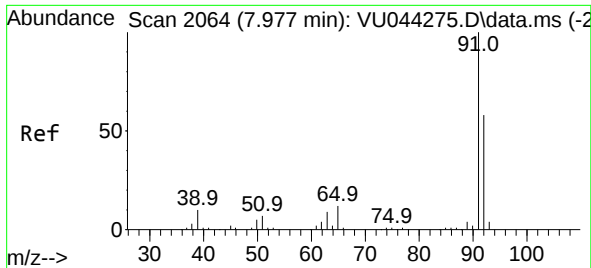


#39

cis-1,3-Dichloropropene
Concen: 0.084 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.039 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

Tgt Ion: 75 Resp: 1444
Ion Ratio Lower Upper
75 100
77 70.1 22.5 41.7#

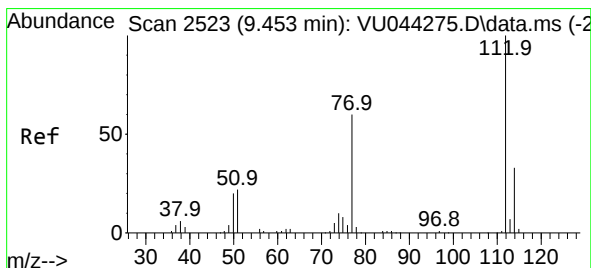
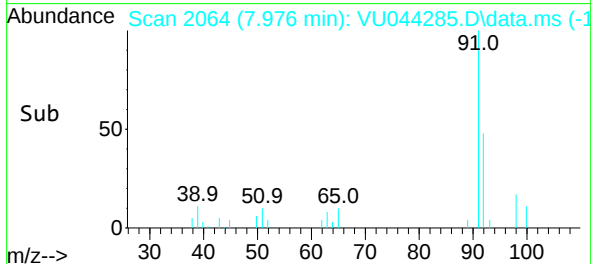
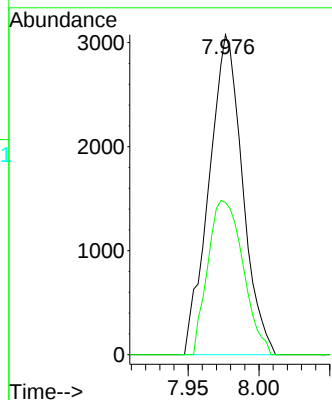
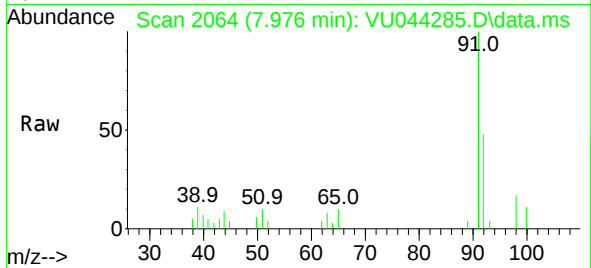




#42
Toluene
Concen: 0.116 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.001 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

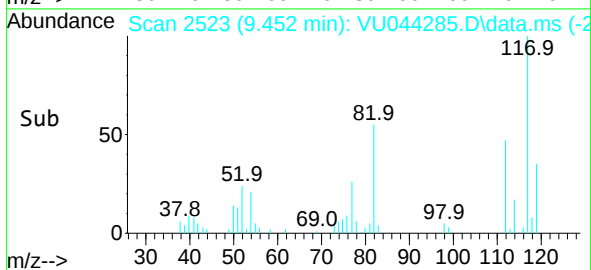
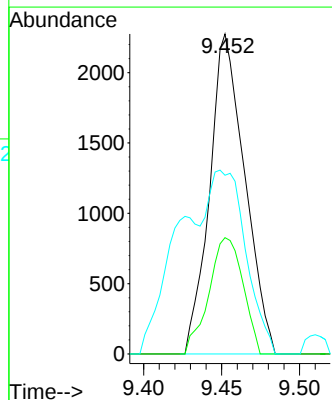
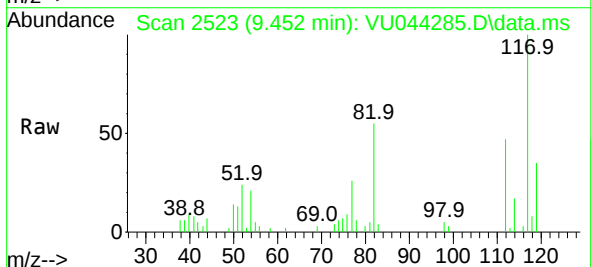
Instrument :
MSVOA_U
ClientSampled :

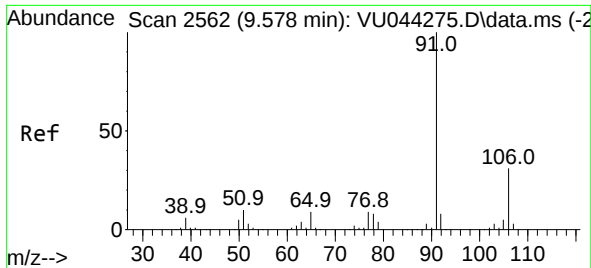
Tgt Ion: 91 Resp: 5055
Ion Ratio Lower Upper
91 100
92 47.6 41.2 76.6



#51
Chlorobenzene
Concen: 0.128 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.001 min
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Tgt Ion: 112 Resp: 3571
Ion Ratio Lower Upper
112 100
114 36.4 22.0 41.0
77 55.9 48.9 73.3

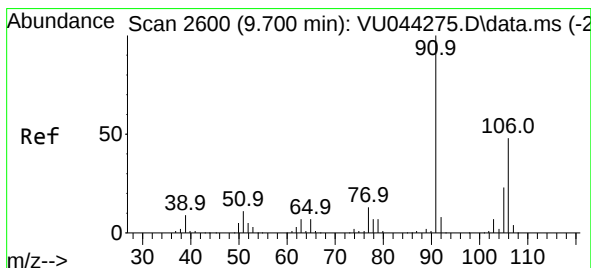
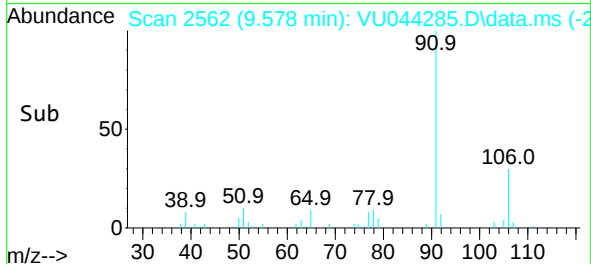
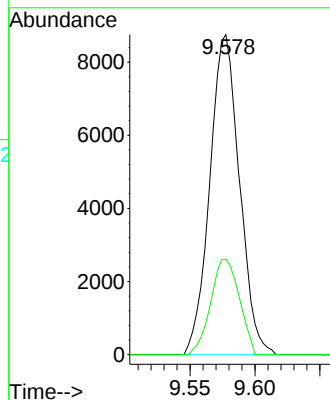
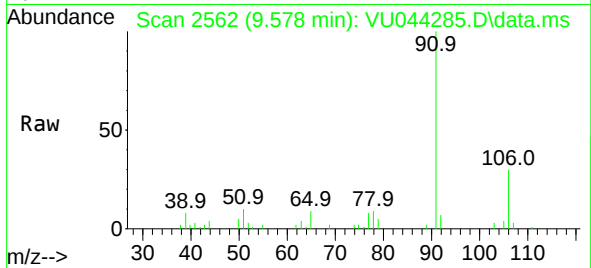




#52
Ethylbenzene
Concen: 0.275 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. -0.001 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

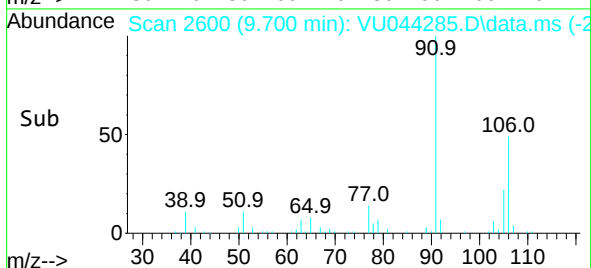
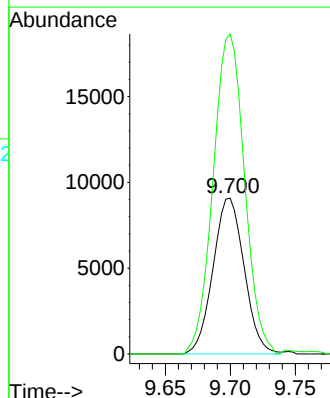
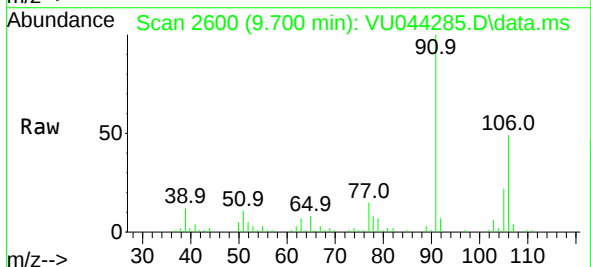
Instrument :
MSVOA_U
ClientSampled :

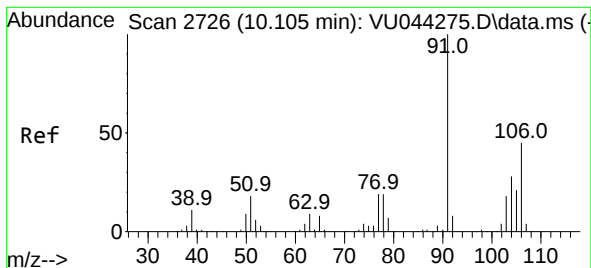
Tgt Ion: 91 Resp: 13885
Ion Ratio Lower Upper
91 100
106 29.9 21.6 40.2



#53
m,p-Xylene
Concen: 0.792 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.001 min
Lab File: VU044285.D
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Tgt Ion: 106 Resp: 15133
Ion Ratio Lower Upper
106 100
91 205.4 144.8 269.0

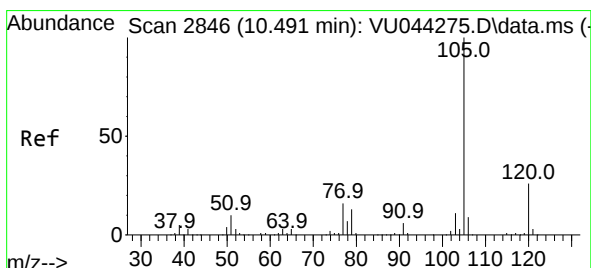
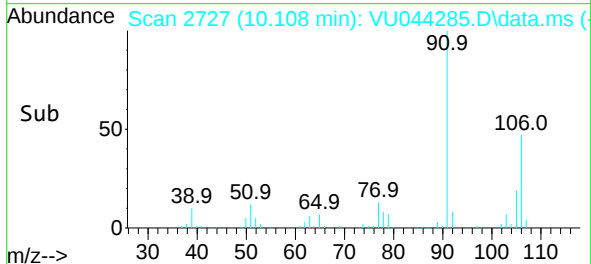
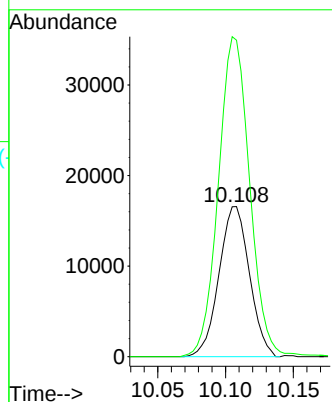
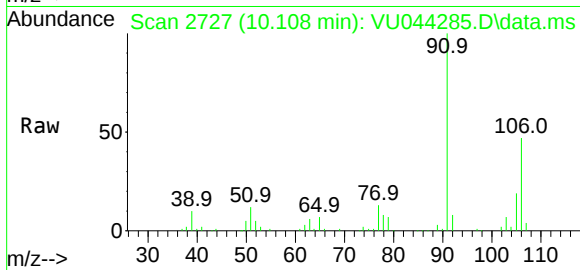




#54
o-Xylene
Concen: 1.394 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.003 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

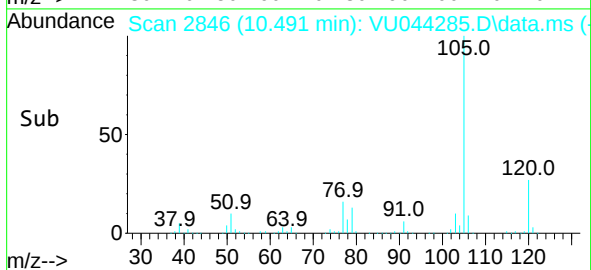
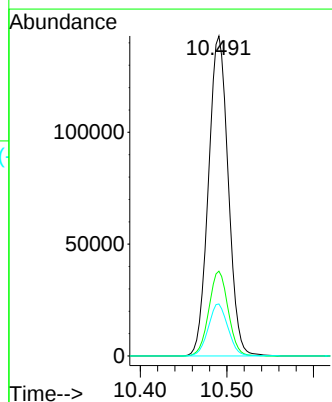
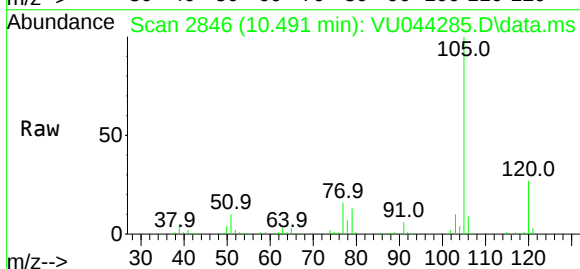
Instrument :
MSVOA_U
ClientSampled :

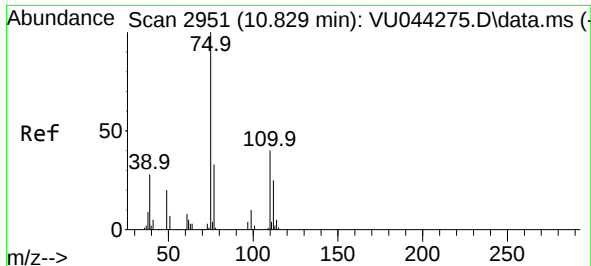
Tgt Ion:106 Resp: 25884
Ion Ratio Lower Upper
106 100
91 210.8 154.8 287.4



#60
Isopropylbenzene
Concen: 4.407 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. -0.001 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

Tgt Ion:105 Resp: 226428
Ion Ratio Lower Upper
105 100
120 26.0 20.7 31.1
77 16.2 12.9 19.3

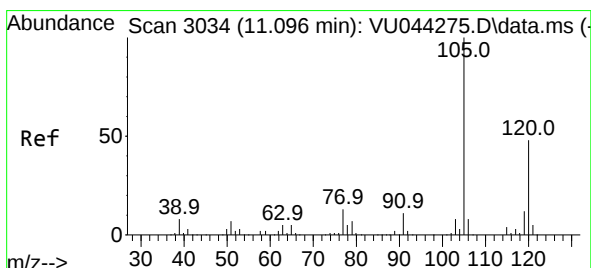
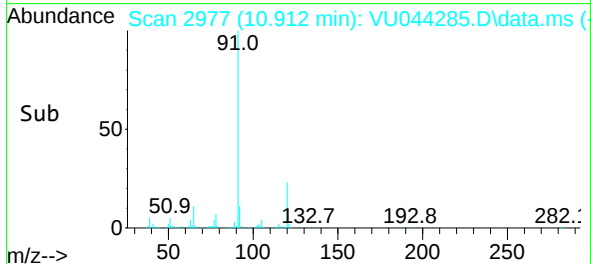
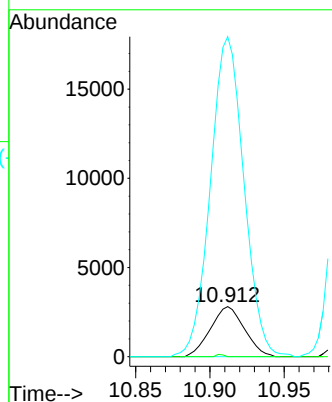
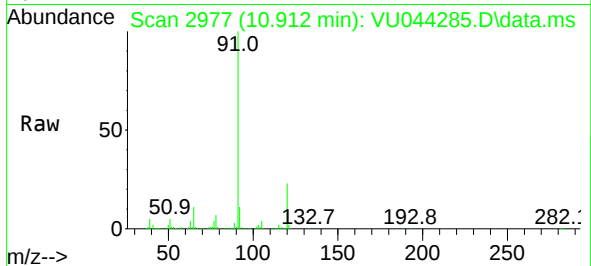




#61
1,2,3-Trichloropropane
Concen: 0.586 ug/L
RT: 10.912 min Scan# 2977
Delta R.T. 0.083 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

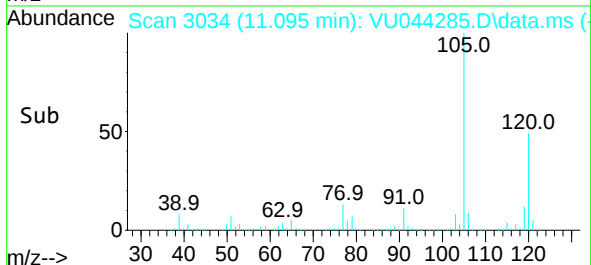
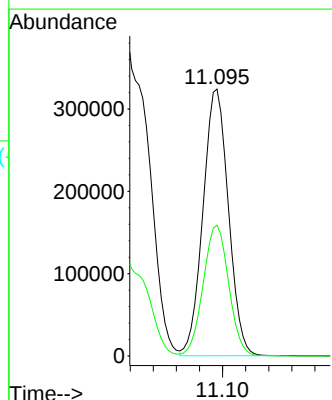
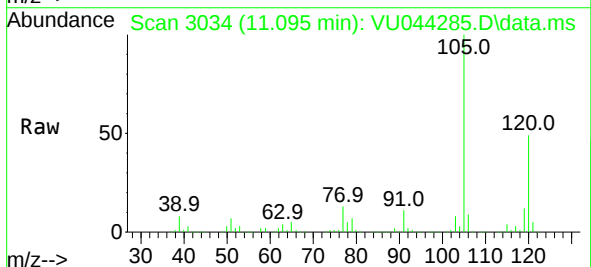
Instrument :
MSVOA_U
ClientSampleId :

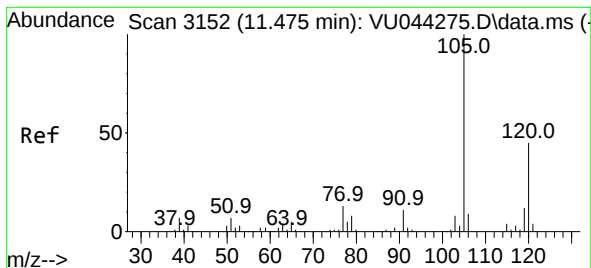
Tgt Ion: 75 Resp: 4473
Ion Ratio Lower Upper
75 100
110 1.0 30.5 45.7#
77 628.8 26.1 39.1#



#62
1,3,5-Trimethylbenzene
Concen: 11.060 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. -0.001 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

Tgt Ion: 105 Resp: 495203
Ion Ratio Lower Upper
105 100
120 49.2 38.0 57.0

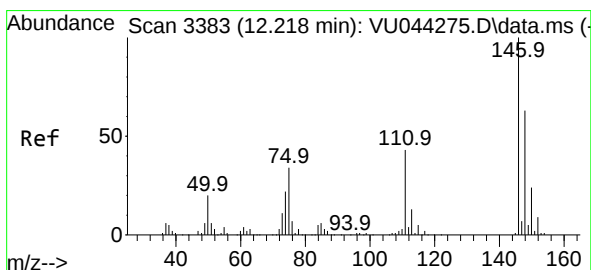
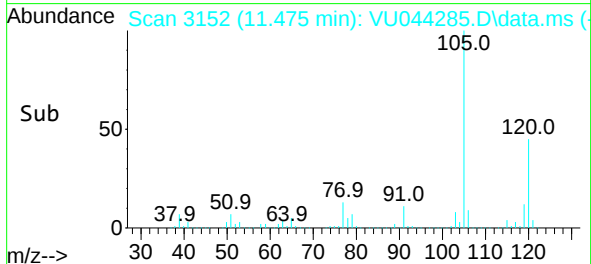
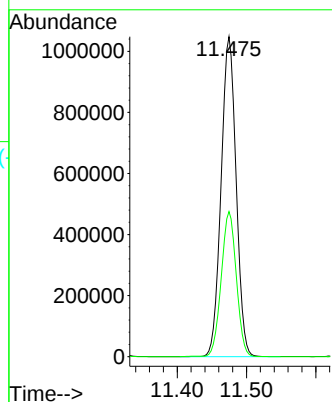
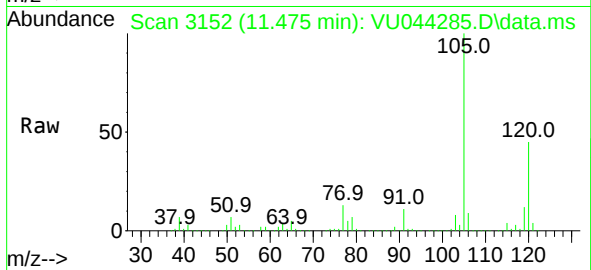




#63
1,2,4-Trimethylbenzene
Concen: 34.540 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. -0.001 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

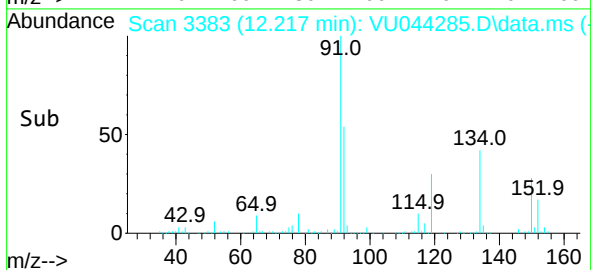
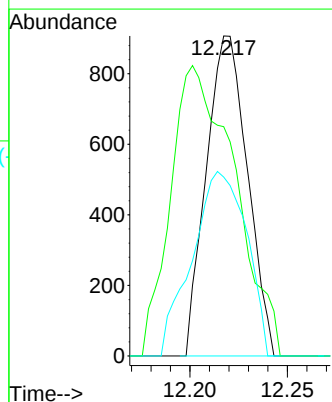
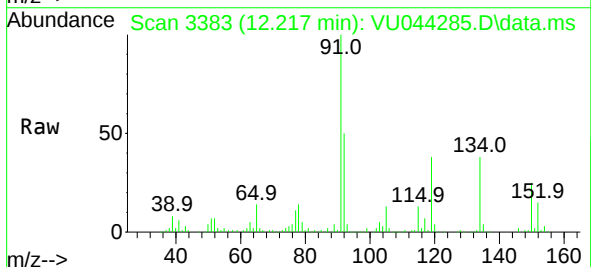
Instrument :
MSVOA_U
ClientSampled :

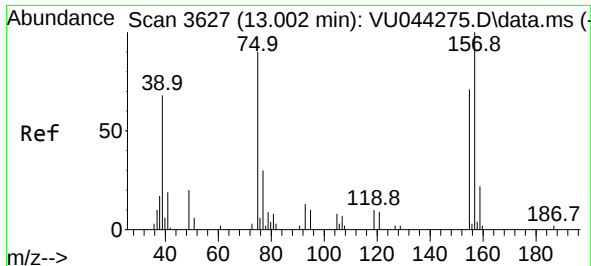
Tgt Ion:105 Resp: 1581757
Ion Ratio Lower Upper
105 100
120 45.4 35.6 53.4



#67
1,2-Dichlorobenzene
Concen: 0.061 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.001 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

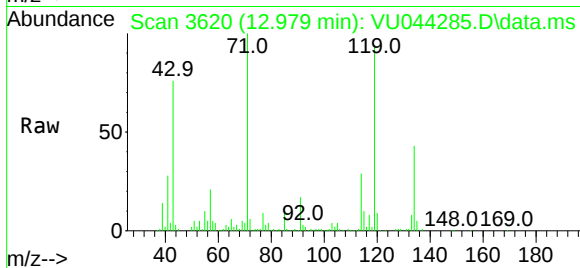
Tgt Ion:146 Resp: 1331
Ion Ratio Lower Upper
146 100
111 71.7 35.0 52.6#
148 55.9 51.2 76.8



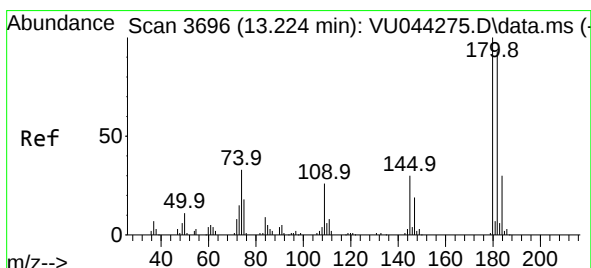
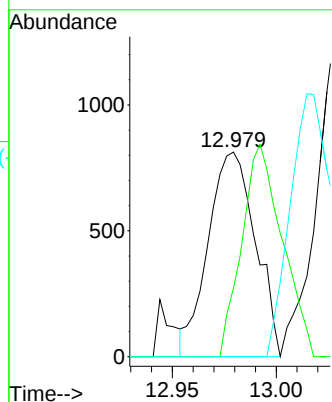
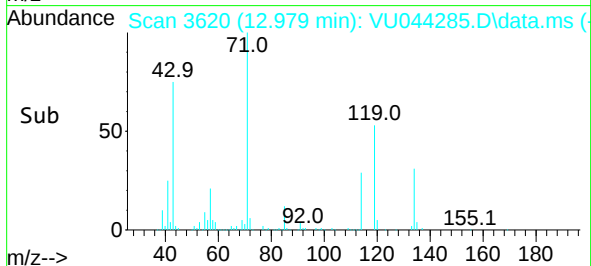


#68
1,2-Dibromo-3-chloropropane
Concen: 0.644 ug/L
RT: 12.979 min Scan# 3620
Delta R.T. -0.023 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

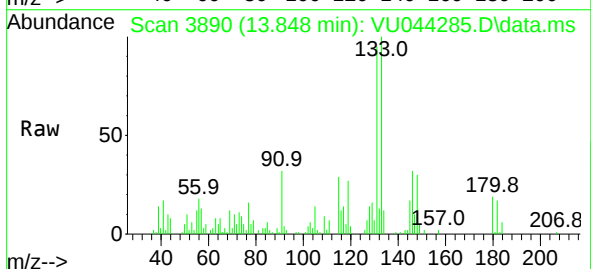
Instrument :
MSVOA_U
ClientSampleId :



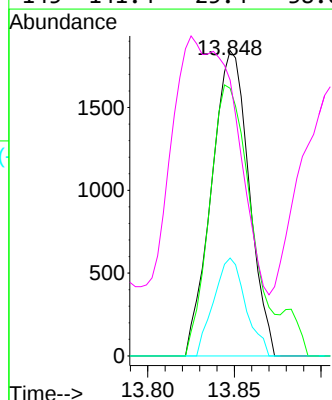
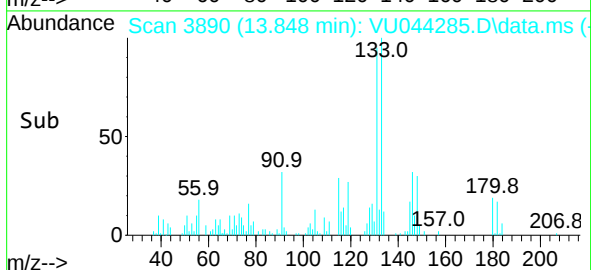
Tgt Ion: 75 Resp: 1284
Ion Ratio Lower Upper
75 100
155 33.6 59.9 89.9#
157 0.0 79.3 118.9#

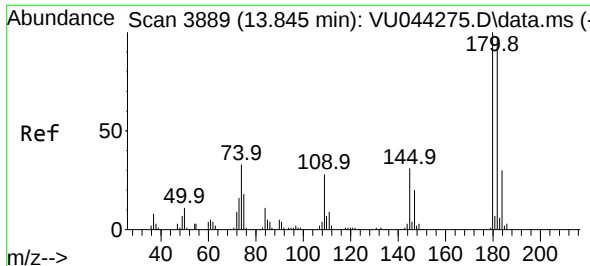


#69
1,3,5-Trichlorobenzene
Concen: 0.157 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.623 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49



Tgt Ion: 180 Resp: 2774
Ion Ratio Lower Upper
180 100
182 98.0 75.8 113.6
184 27.3 23.8 35.8
145 141.4 25.4 38.0#

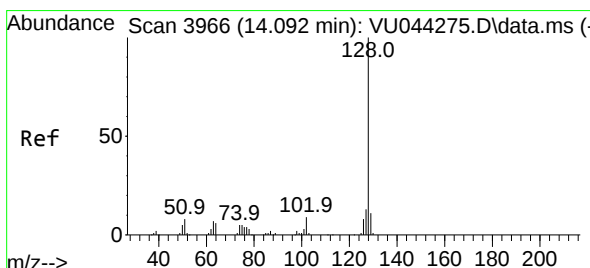
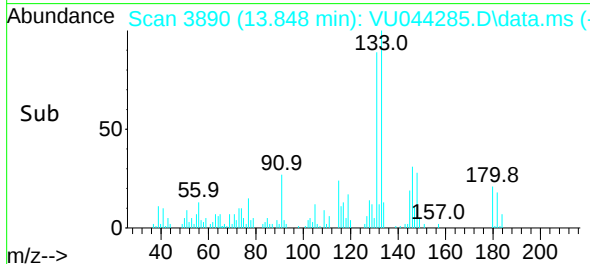
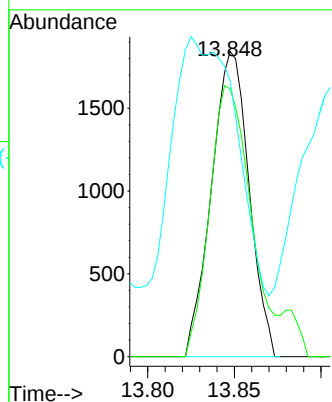
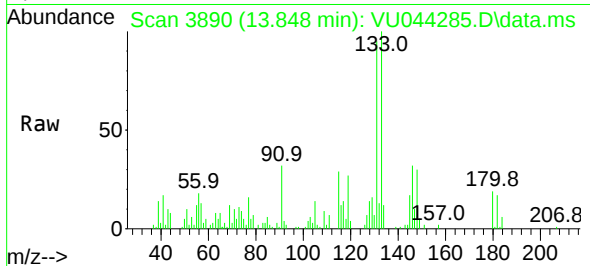




#70
1,2,4-trichlorobenzene
Concen: 0.185 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.003 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

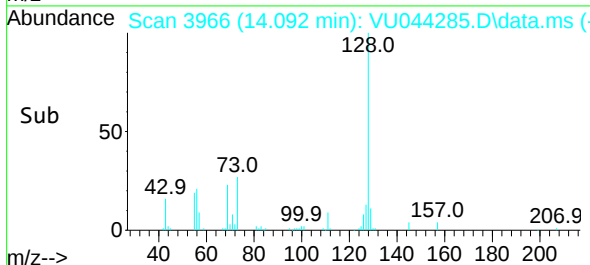
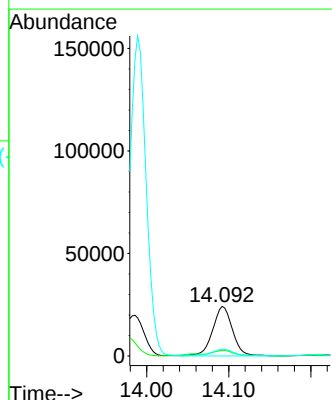
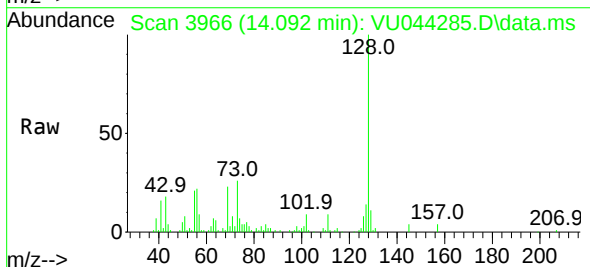
Instrument :
MSVOA_U
ClientSampled :

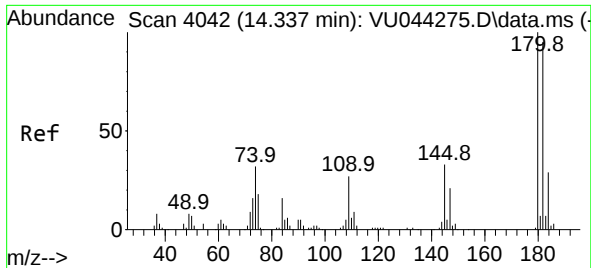
Tgt Ion:180 Resp: 2774
Ion Ratio Lower Upper
180 100
182 98.0 75.7 113.5
145 141.4 25.6 38.4#



#71
Naphthalene
Concen: 1.506 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. -0.001 min
Lab File: VU044285.D
Acq: 01 Jul 2021 14:49

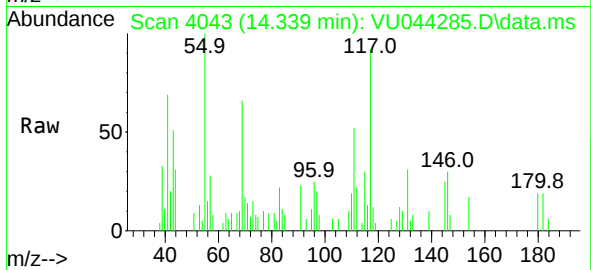
Tgt Ion:128 Resp: 40805
Ion Ratio Lower Upper
128 100
129 12.9 8.9 13.3
127 0.0 10.3 15.5#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.054 ug/L
 RT: 14.339 min Scan# 4043
 Delta R.T. 0.003 min
 Lab File: VU044285.D
 Acq: 01 Jul 2021 14:49

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 698
 Ion Ratio Lower Upper
 180 100
 182 87.5 76.4 114.6
 145 536.8 26.5 39.7#

