

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050321\
 Data File : VU043486.D
 Acq On : 03 May 2021 14:03
 Operator : SY/MD
 Sample : M2195-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB3J7

Quant Time: May 04 07:40:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR050321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 04 07:31:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	100844	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	100737	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	53695	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	38523	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.916	69	27692	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.571	65	19316	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	4.652	46	141751	56.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.62%
24) Chloroform-d	5.073	84	69302	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.710	65	47013	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.735	84	140896	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.700	67	47359	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.906	98	119570	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloroprop...	8.189	79	19789	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.642	63	93148	57.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.22%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	39400	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
66) 1,2-Dichlorobenzene-d4	12.201	152	49056	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	30373	4.22	ug/L	99
6) Bromomethane	1.861	94	12493	3.87	ug/L	98
9) Trichlorofluoromethane	2.141	101	86337	8.12	ug/L	97
12) 1,1-Dichloroethene	2.584	96	22978	4.08	ug/L	93
13) Acetone	2.668	43	122110	72.74	ug/L	100
14) Carbon disulfide	2.797	76	109473	7.76	ug/L	100
16) Methylene chloride	3.054	84	18856	2.09	ug/L	95
17) Methyl tert-butyl Ether	3.375	73	150992	9.16	ug/L	99
19) 1,1-Dichloroethane	3.880	63	130458	9.33	ug/L	97
21) 2-Butanone	4.729	43	322167	119.70	ug/L	99
25) Chloroform	5.099	83	5439	0.37	ug/L	90
27) 1,2-Dichloroethane	5.803	62	76280	7.55	ug/L	99
29) 1,1,1-Trichloroethane	5.324	97	104029	8.78	ug/L	100
30) Cyclohexane	5.398	56	141868	15.01	ug/L	99
34) Trichloroethene	6.549	95	40522	5.98	ug/L	97
35) Methylcyclohexane	6.771	83	73284	8.36	ug/L	97
37) 1,2-Dichloropropane	6.800	63	18793	2.37	ug/L	99
42) Toluene	7.976	91	264324	9.53	ug/L	100
47) Tetrachloroethene	8.562	164	49461	9.91	ug/L	96

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

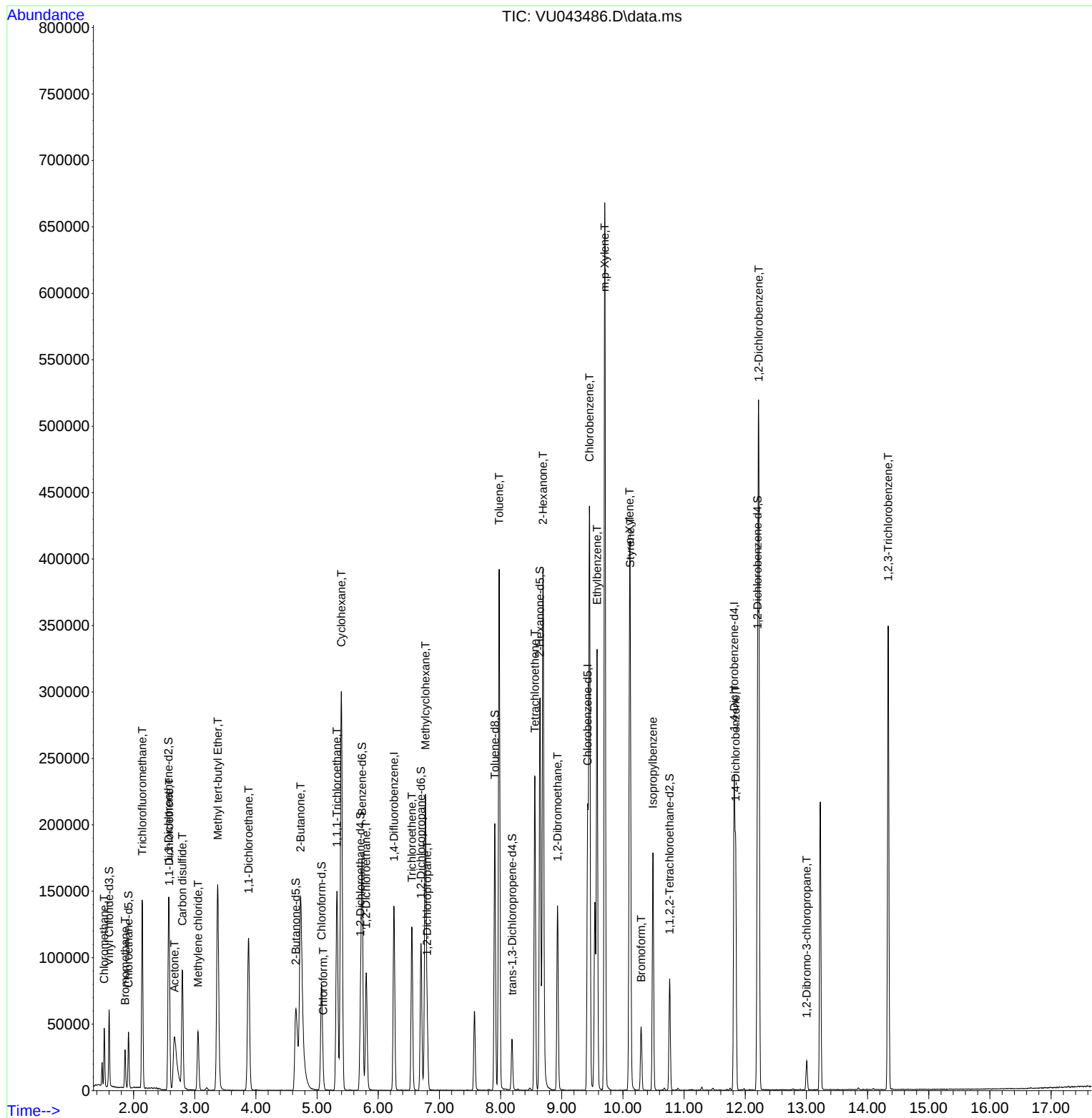
48) 2-Hexanone	8.693	43	279447	58.10	ug/L	99
50) 1,2-Dibromoethane	8.931	107	85987	16.88	ug/L	98
51) Chlorobenzene	9.452	112	201735	11.43	ug/L	99
52) Ethylbenzene	9.578	91	212618	7.22	ug/L	98
53) m,p-Xylene	9.703	106	162855	15.23	ug/L	99
54) o-Xylene	10.108	106	63428	6.10	ug/L	100
55) Styrene	10.121	104	110408	6.06	ug/L	99
59) Bromoform	10.298	173	20404	5.22	ug/L	99
60) Isopropylbenzene	10.491	105	102893	3.52	ug/L	100
65) 1,4-Dichlorobenzene	11.844	146	64111	4.31	ug/L	98
67) 1,2-Dichlorobenzene	12.221	146	174364	11.94	ug/L	98
68) 1,2-Dibromo-3-chloropr...	13.002	75	5210	4.02	ug/L	98
72) 1,2,3-Trichlorobenzene	14.336	180	97001	10.92	ug/L	99

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

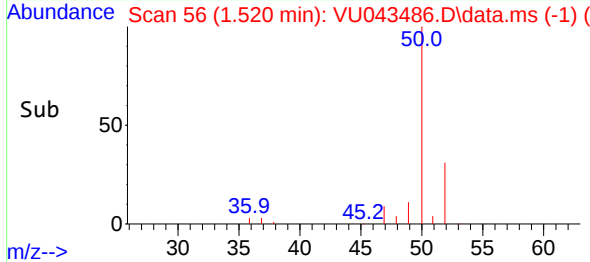
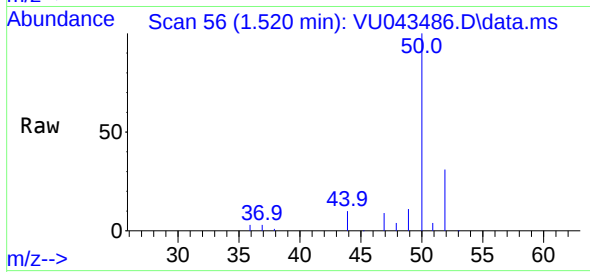
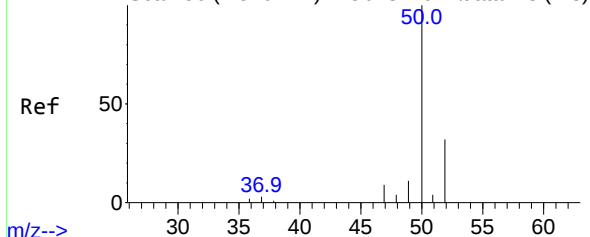
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050321\
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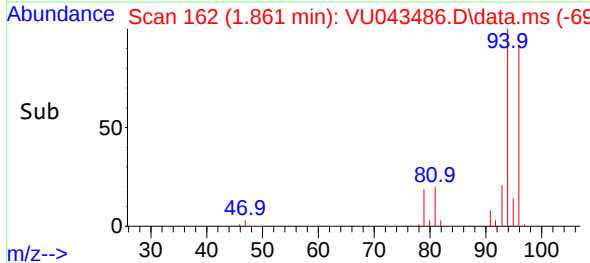
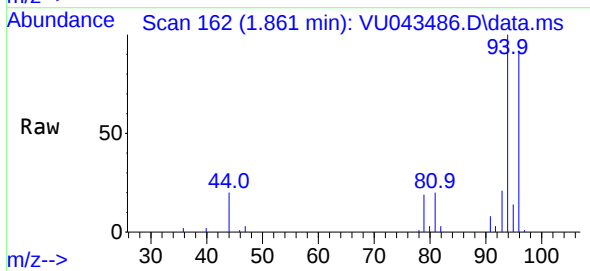
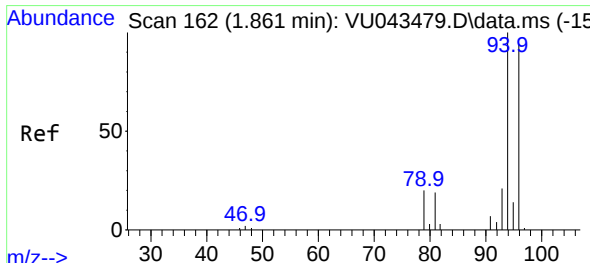
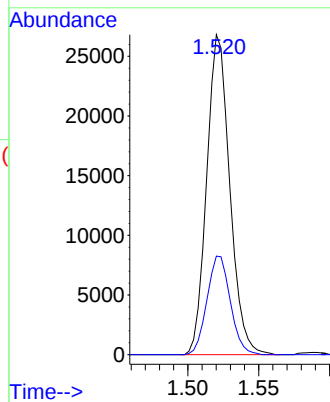


Abundance Scan 56 (1.520 min): VU043479.D\data.ms (-48)



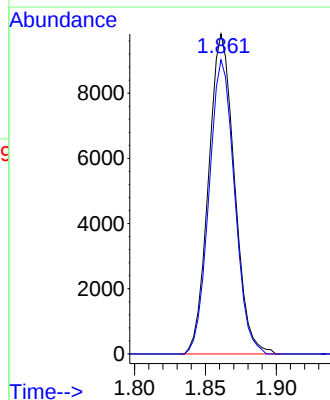
#3
Chloromethane
Concen: 4.22 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

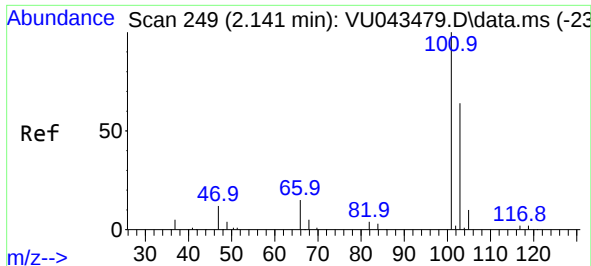
Tgt Ion: 50 Resp: 30373
Ion Ratio Lower Upper
50 100
52 30.8 22.1 41.1



#6
Bromomethane
Concen: 3.87 ug/L
RT: 1.861 min Scan# 162
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Tgt Ion: 94 Resp: 12493
Ion Ratio Lower Upper
94 100
96 91.9 65.7 121.9

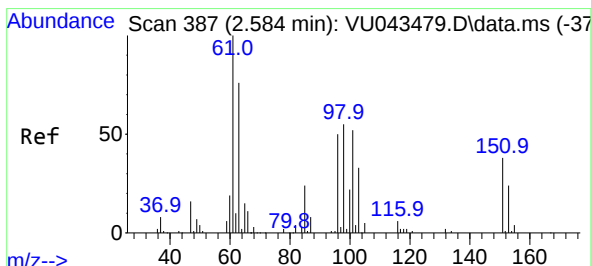
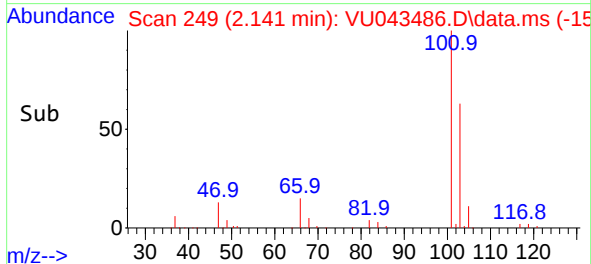
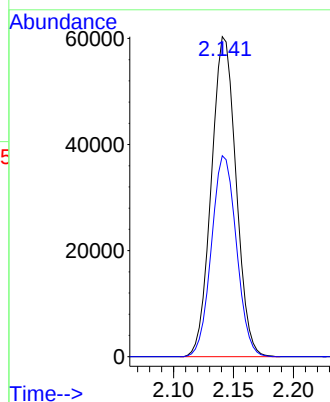
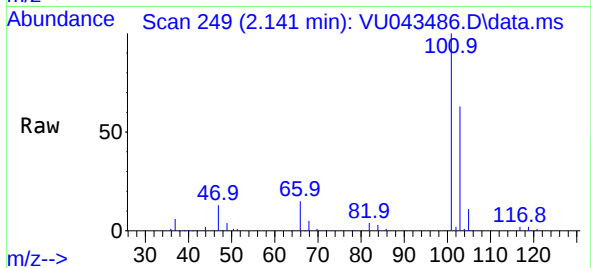




#9
Trichlorofluoromethane
Concen: 8.12 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

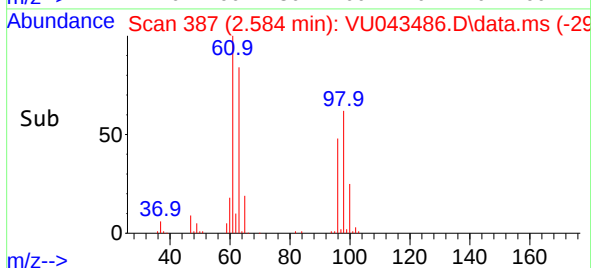
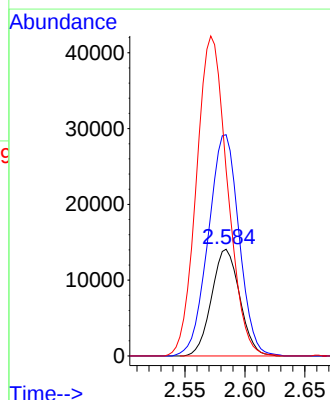
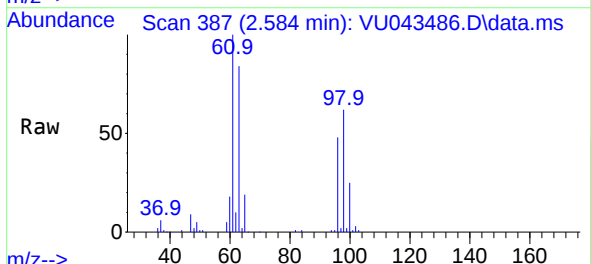
Instrument :
MSVOA_U
ClientSampled :
GB3J7

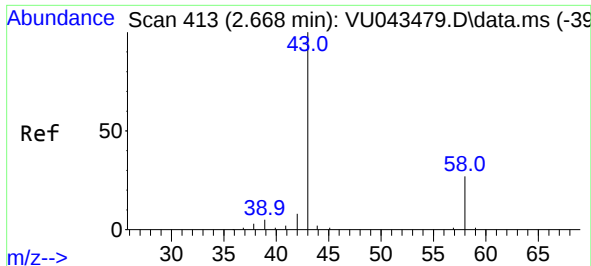
Tgt Ion:101 Resp: 86337
Ion Ratio Lower Upper
101 100
103 63.5 52.6 78.8



#12
1,1-Dichloroethene
Concen: 4.08 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Tgt Ion: 96 Resp: 22978
Ion Ratio Lower Upper
96 100
61 207.4 141.2 262.2
63 174.4 111.1 206.3

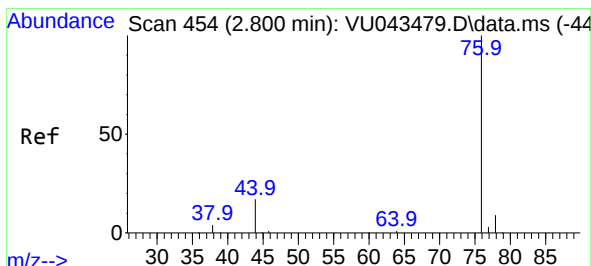
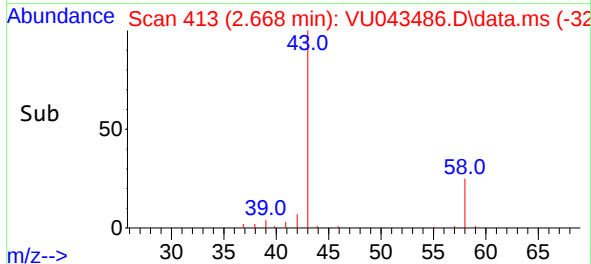
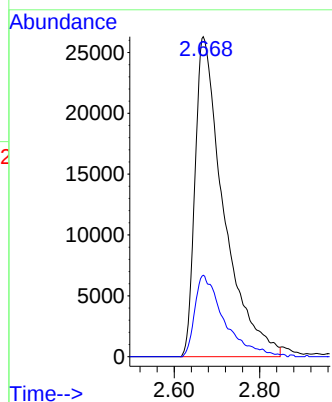
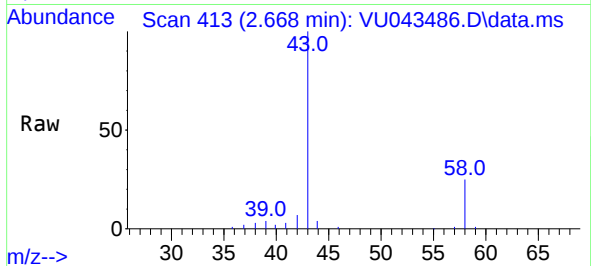




#13
Acetone
Concen: 72.74 ug/L
RT: 2.668 min Scan# 413
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

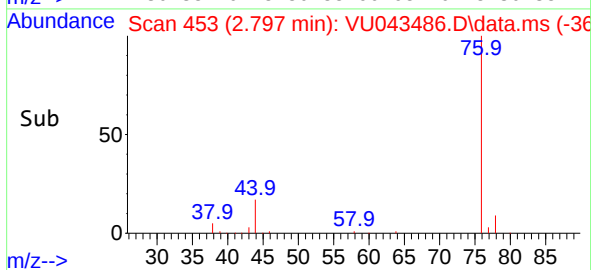
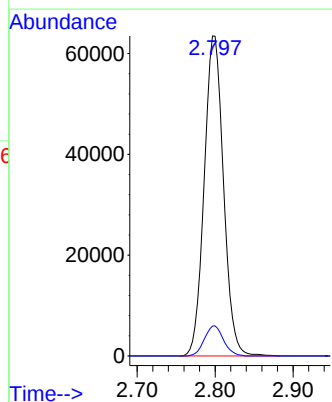
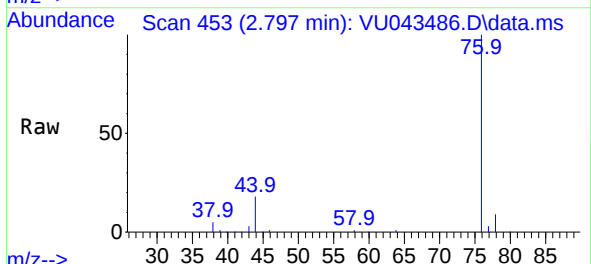
Instrument :
MSVOA_U
ClientSampled :
GB3J7

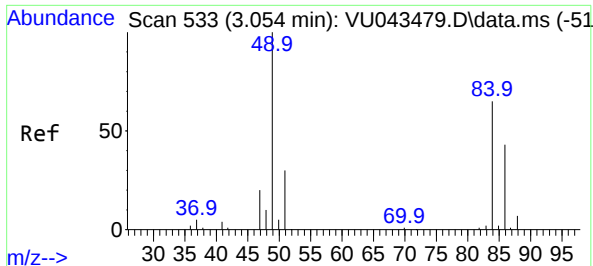
Tgt Ion: 43 Resp: 122110
Ion Ratio Lower Upper
43 100
58 25.3 0.0 50.8



#14
Carbon disulfide
Concen: 7.76 ug/L
RT: 2.797 min Scan# 453
Delta R.T. -0.003 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Tgt Ion: 76 Resp: 109473
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



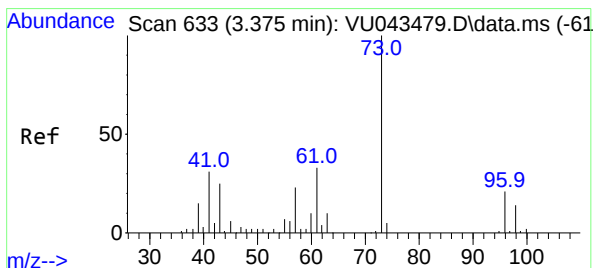
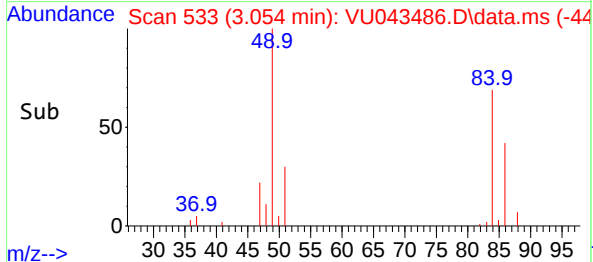
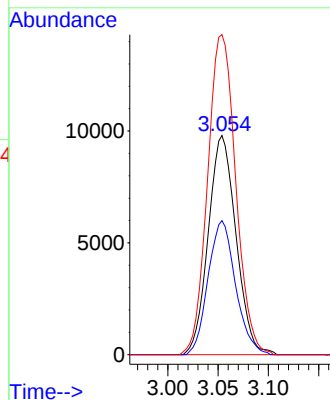
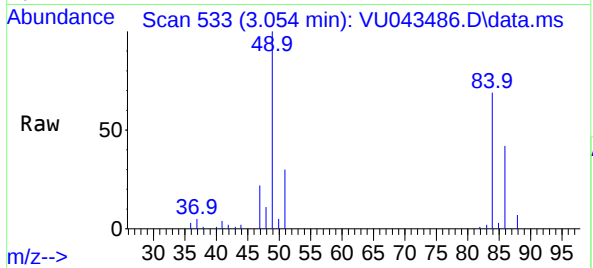


#16
Methylene chloride
Concen: 2.09 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Instrument :
MSVOA_U
ClientSampleId :
GB3J7

Tgt Ion: 84 Resp: 18856

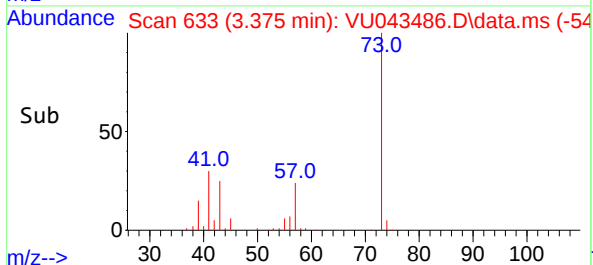
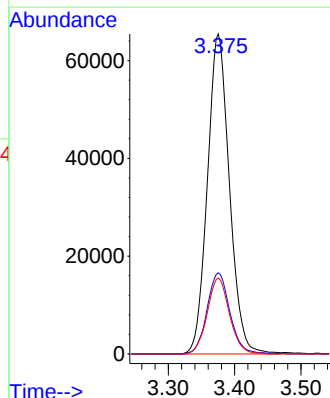
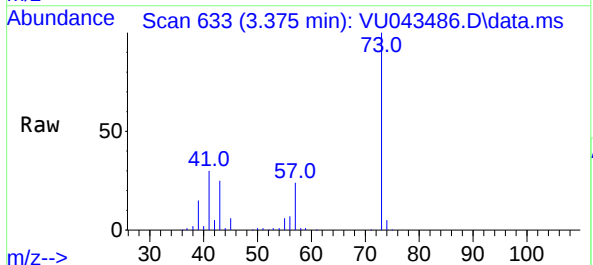
Ion	Ratio	Lower	Upper
84	100		
86	61.1	45.6	84.6
49	145.9	107.0	198.8

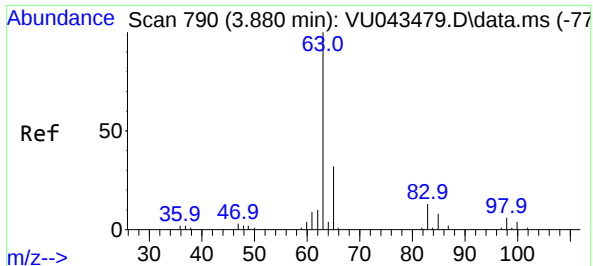


#17
Methyl tert-butyl Ether
Concen: 9.16 ug/L
RT: 3.375 min Scan# 633
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Tgt Ion: 73 Resp: 150992

Ion	Ratio	Lower	Upper
73	100		
43	26.4	20.6	30.8
57	24.0	18.7	28.1



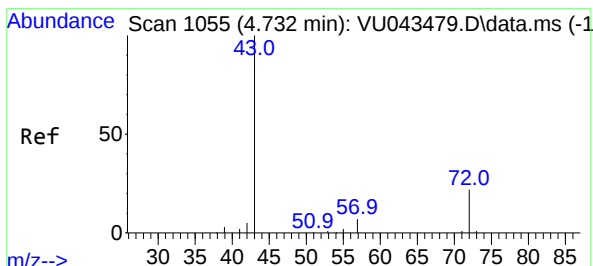
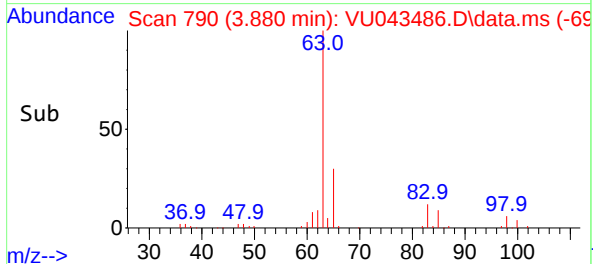
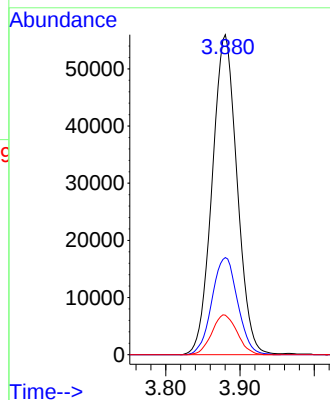
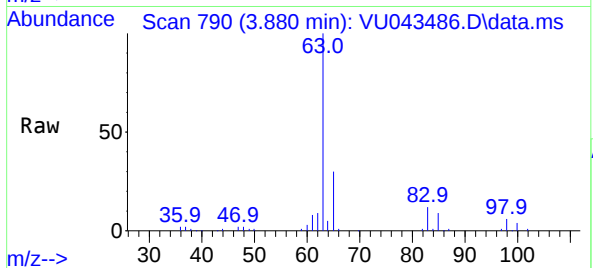


#19

1,1-Dichloroethane
Concen: 9.33 ug/L
RT: 3.880 min Scan# 790
Delta R.T. 0.000 min
Lab File: VU043486.D
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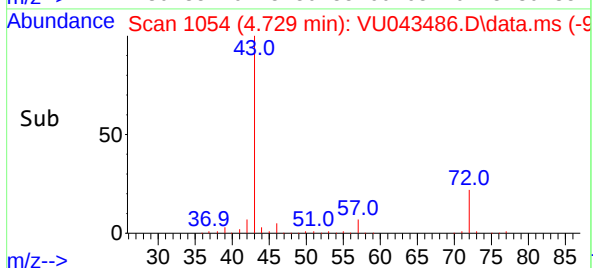
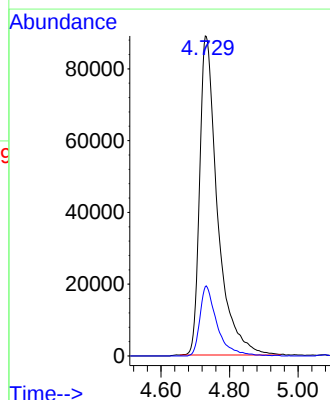
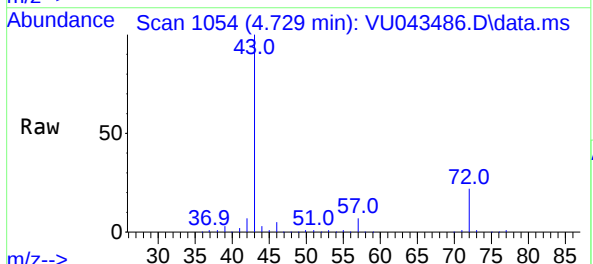
Tgt Ion:	63	Resp:	130458
Ion	Ratio	Lower	Upper
63	100		
65	30.4	22.7	42.1
83	12.4	9.4	17.4

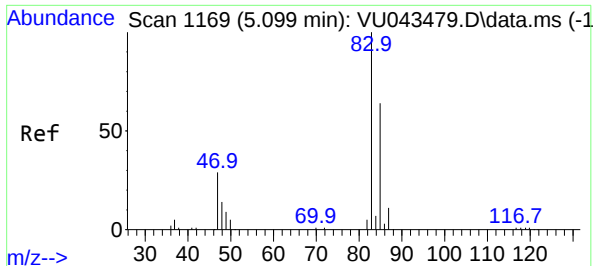


#21

2-Butanone
Concen: 119.70 ug/L
RT: 4.729 min Scan# 1054
Delta R.T. -0.003 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Tgt Ion:	43	Resp:	322167
Ion	Ratio	Lower	Upper
43	100		
72	20.9	10.8	32.4



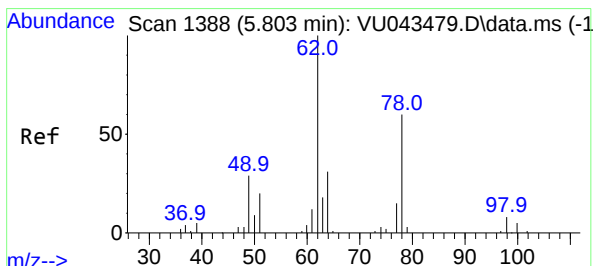
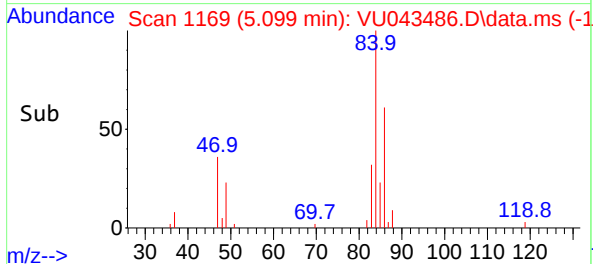
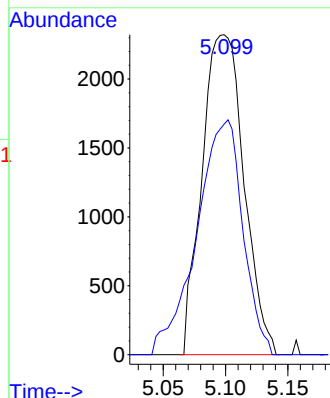
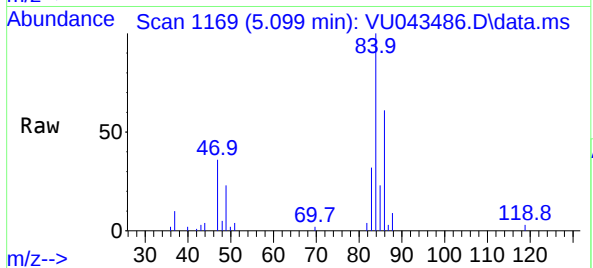


#25

Chloroform
Concen: 0.37 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Instrument :
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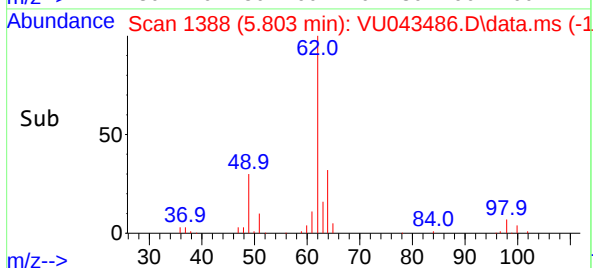
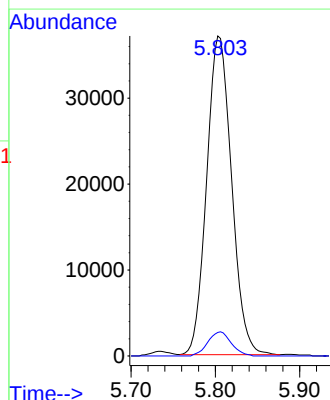
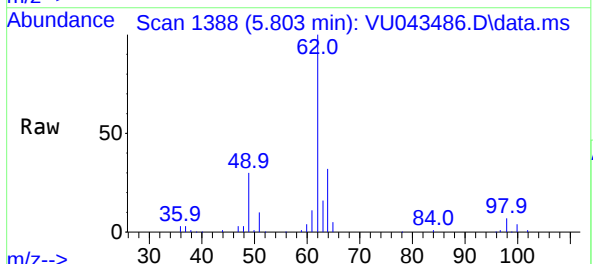
Tgt Ion: 83 Resp: 5439
Ion Ratio Lower Upper
83 100
85 72.0 45.1 83.9

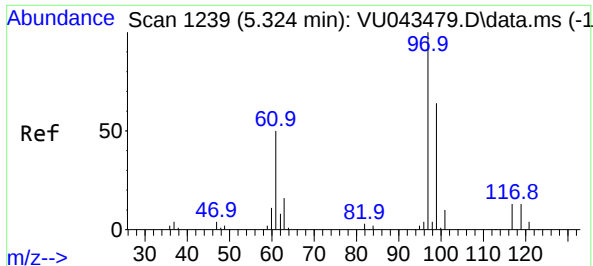


#27

1,2-Dichloroethane
Concen: 7.55 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Tgt Ion: 62 Resp: 76280
Ion Ratio Lower Upper
62 100
98 7.4 6.1 9.1



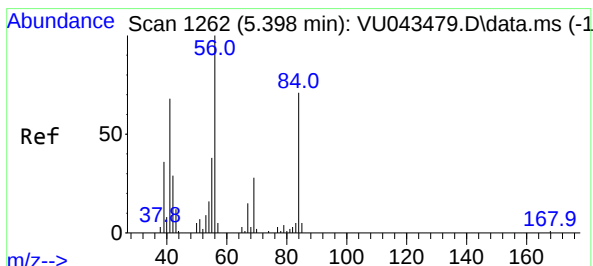
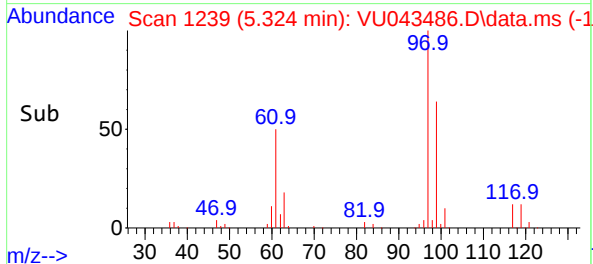
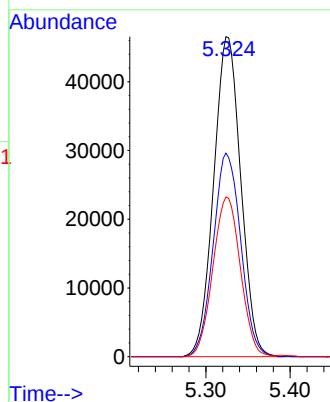
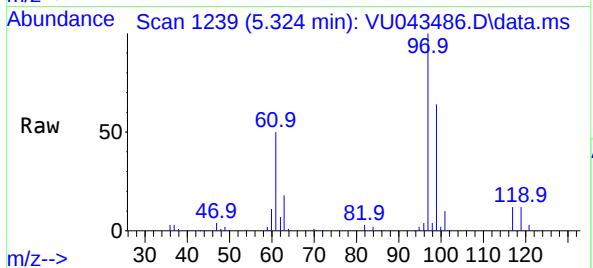


#29
1,1,1-Trichloroethane
Concen: 8.78 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Instrument :
MSVOA_U
ClientSampled :
GB3J7

Tgt Ion: 97 Resp: 104029

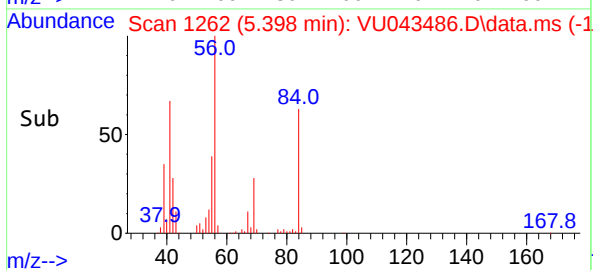
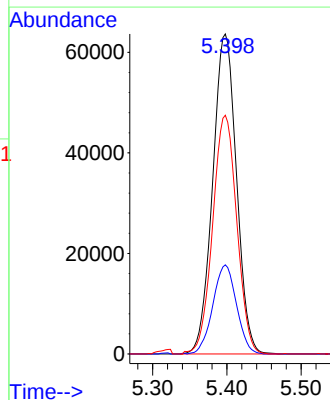
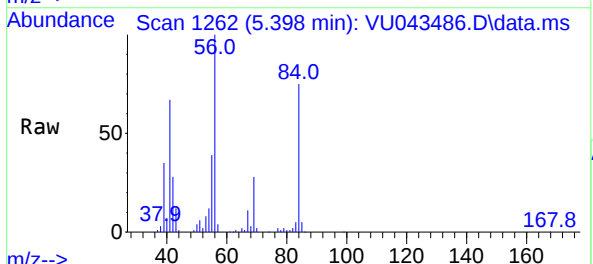
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	50.5	39.8	59.8

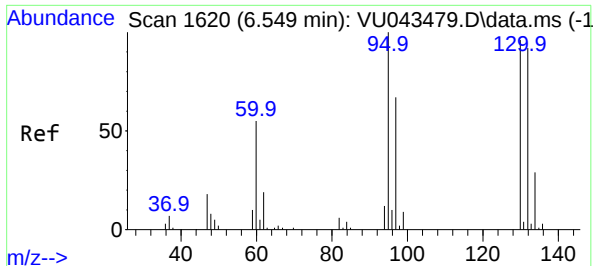


#30
Cyclohexane
Concen: 15.01 ug/L
RT: 5.398 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Tgt Ion: 56 Resp: 141868

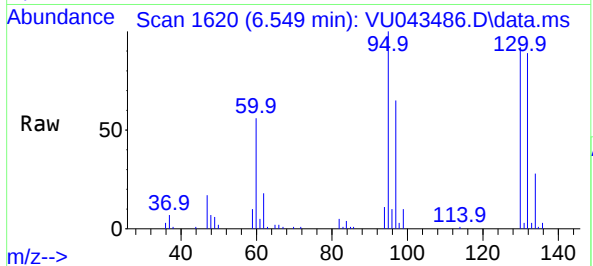
Ion	Ratio	Lower	Upper
56	100		
69	27.7	23.0	34.4
84	75.5	60.3	90.5



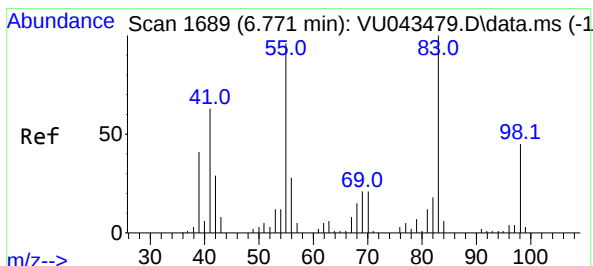
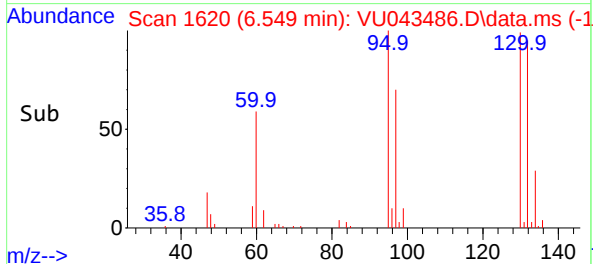
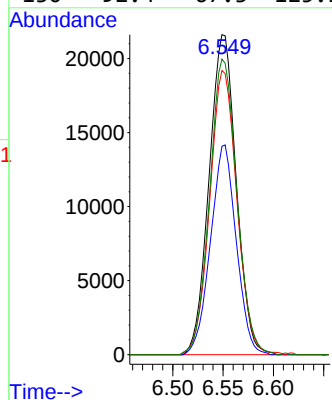


#34
Trichloroethene
Concen: 5.98 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

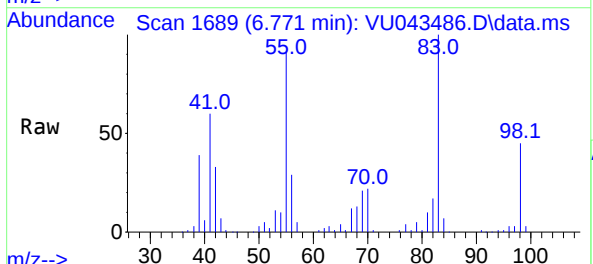
Instrument :
MSVOA_U
ClientSampled :
GB3J7



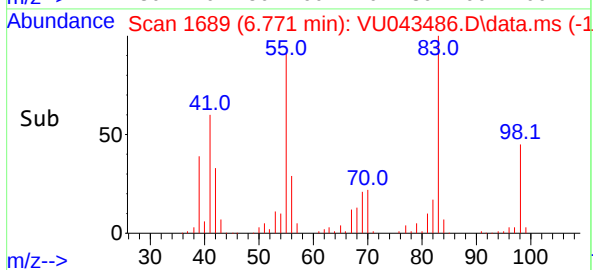
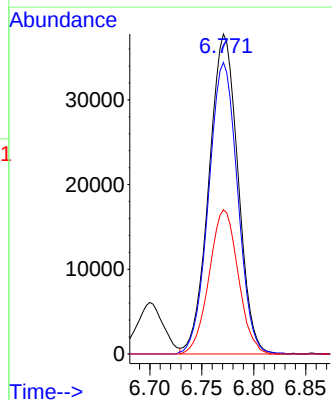
Tgt Ion: 95 Resp: 40522
Ion Ratio Lower Upper
95 100
97 65.2 46.5 86.5
132 88.8 64.1 119.1
130 92.4 67.3 125.1

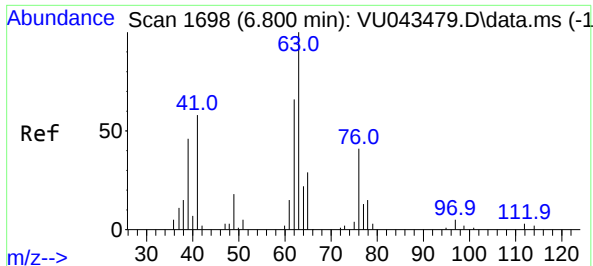


#35
Methylcyclohexane
Concen: 8.36 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03



Tgt Ion: 83 Resp: 73284
Ion Ratio Lower Upper
83 100
55 91.0 75.8 113.8
98 45.1 35.5 53.3

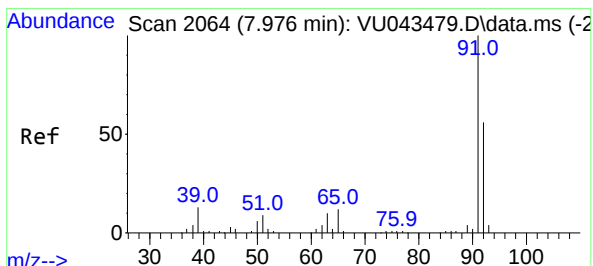
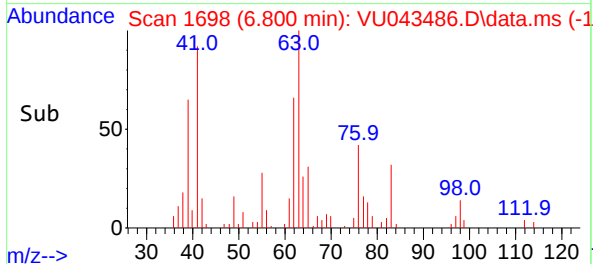
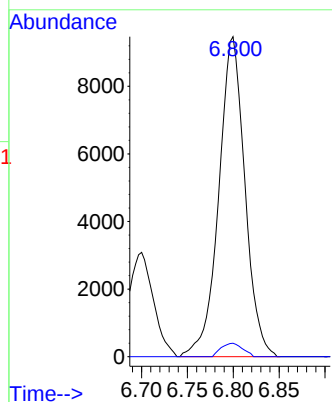
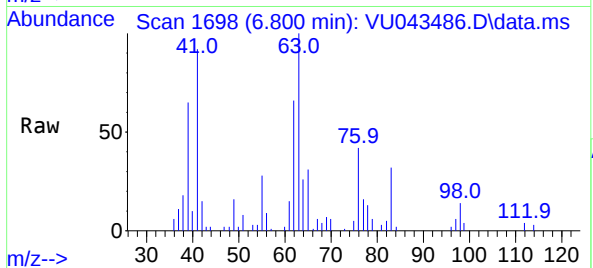




#37
1,2-Dichloropropane
Concen: 2.37 ug/L
RT: 6.800 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

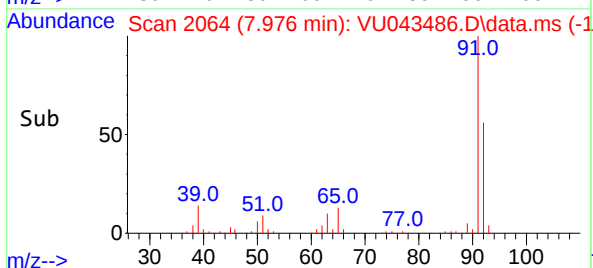
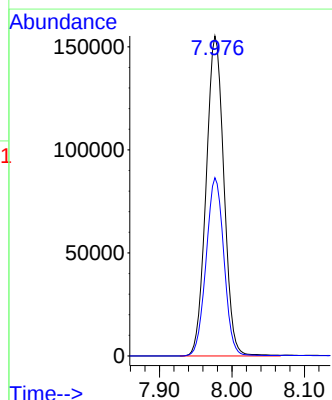
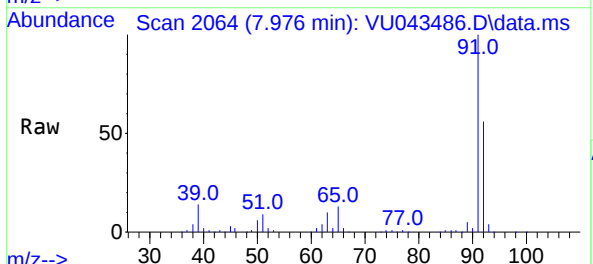
Instrument :
MSVOA_U
ClientSampled :
GB3J7

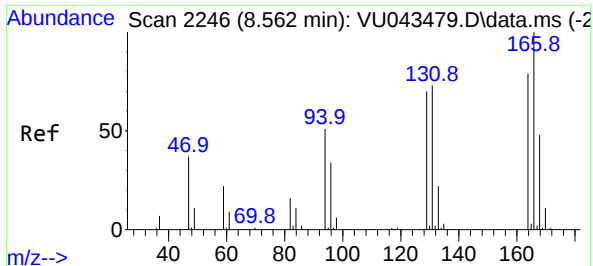
Tgt Ion: 63 Resp: 18793
Ion Ratio Lower Upper
63 100
112 3.5 2.6 3.8



#42
Toluene
Concen: 9.53 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Tgt Ion: 91 Resp: 264324
Ion Ratio Lower Upper
91 100
92 55.7 39.1 72.5

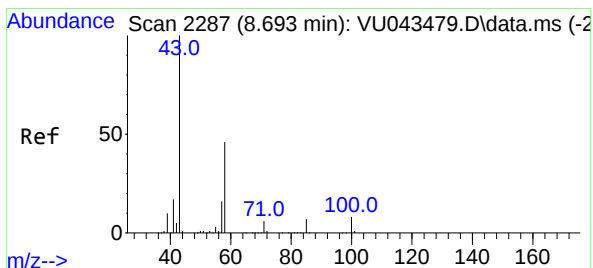
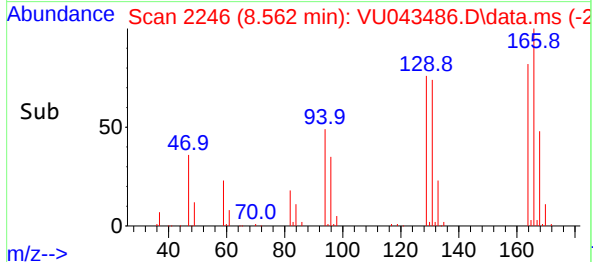
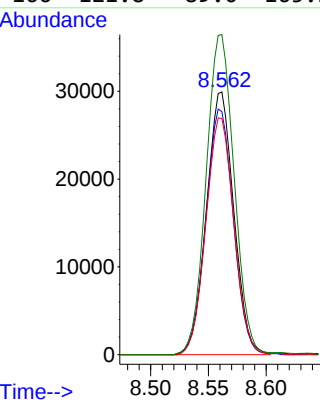
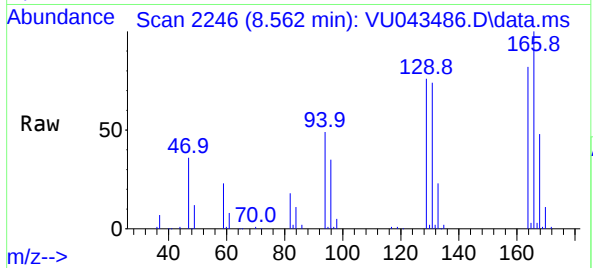




#47
Tetrachloroethene
Concen: 9.91 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

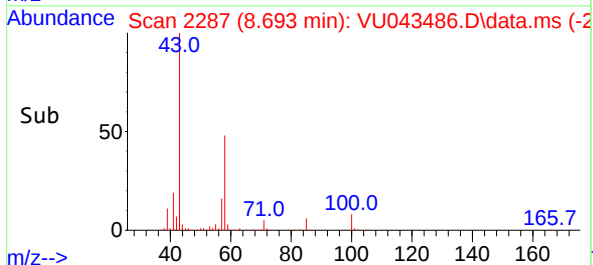
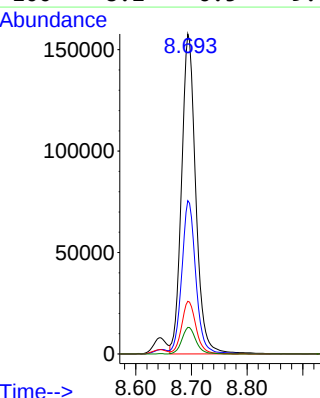
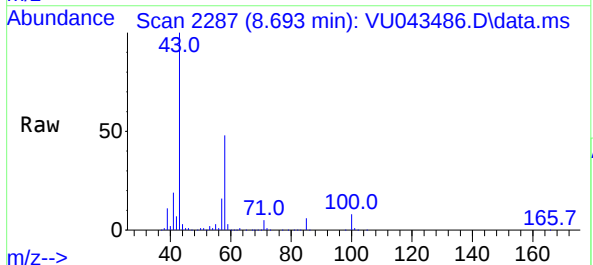
Instrument :
MSVOA_U
ClientSampled :
GB3J7

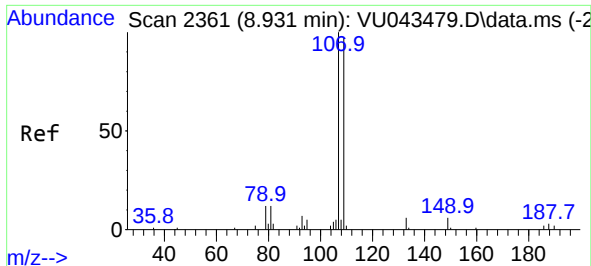
Tgt Ion:164 Resp: 49461
Ion Ratio Lower Upper
164 100
129 92.5 62.5 116.1
131 89.9 64.9 120.5
166 121.8 89.0 165.2



#48
2-Hexanone
Concen: 58.10 ug/L
RT: 8.693 min Scan# 2287
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Tgt Ion: 43 Resp: 279447
Ion Ratio Lower Upper
43 100
58 46.7 36.8 55.2
57 16.7 13.2 19.8
100 8.2 6.5 9.7

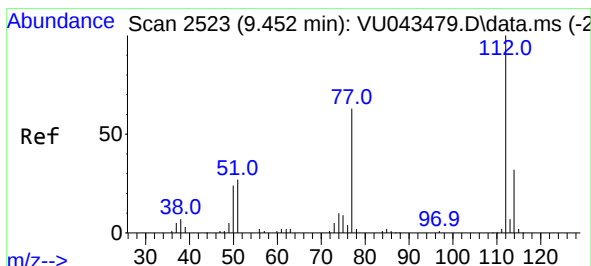
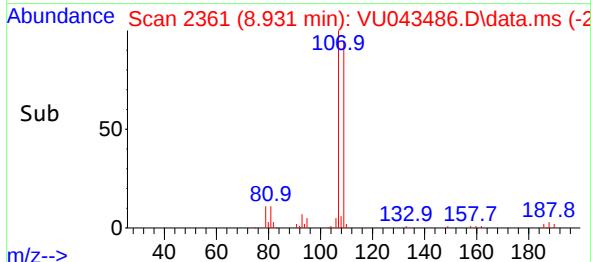
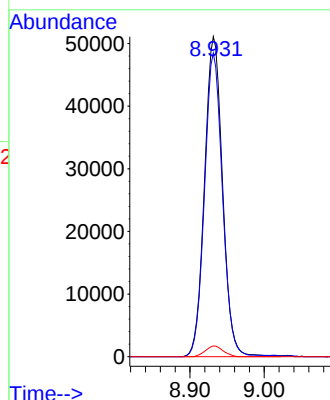
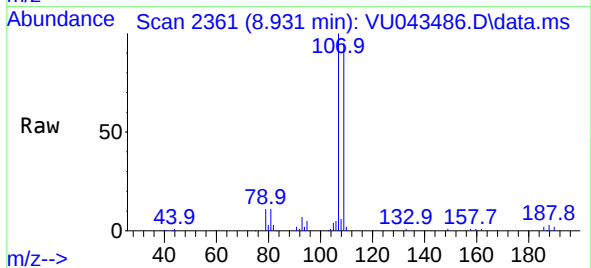




#50
1,2-Dibromoethane
Concen: 16.88 ug/L
RT: 8.931 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

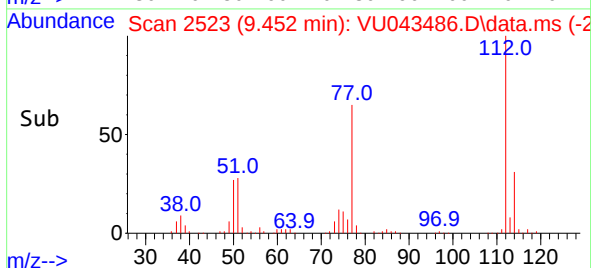
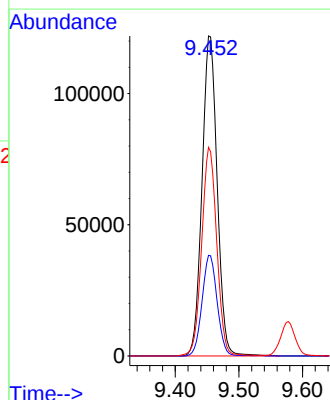
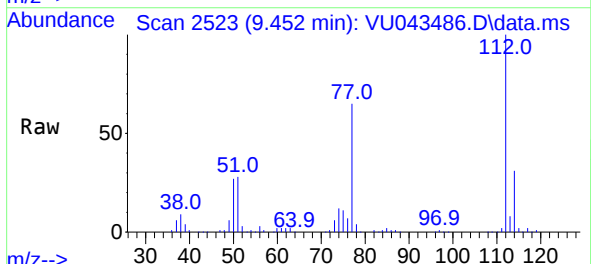
Instrument :
MSVOA_U
ClientSampleId :
GB3J7

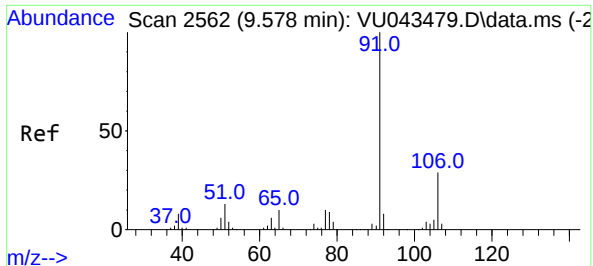
Tgt Ion:	107	Resp:	85987
Ion	Ratio	Lower	Upper
107	100		
109	94.8	67.6	125.6
188	3.4	2.6	3.8



#51
Chlorobenzene
Concen: 11.43 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Tgt Ion:	112	Resp:	201735
Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.0	41.0
77	65.2	51.0	76.4

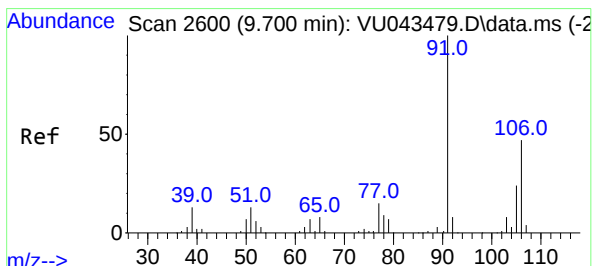
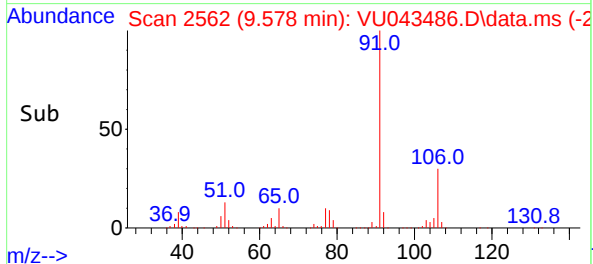
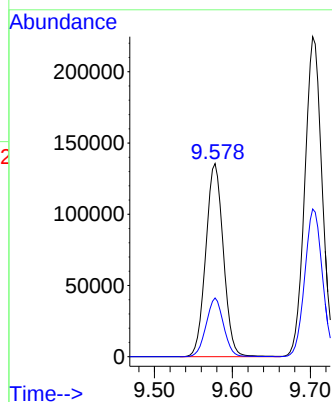
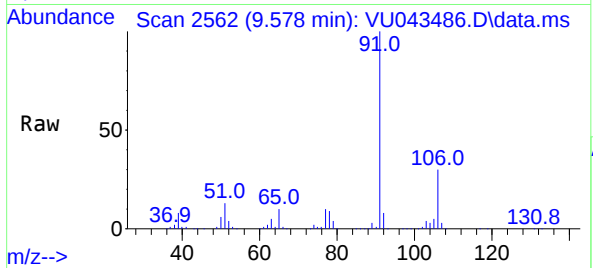




#52
Ethylbenzene
Concen: 7.22 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

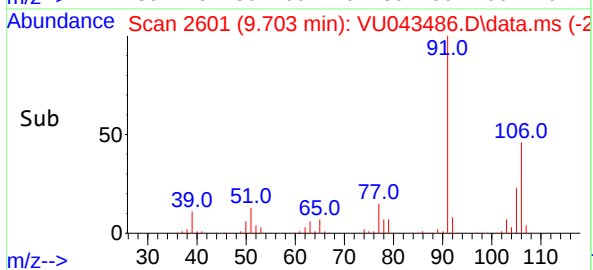
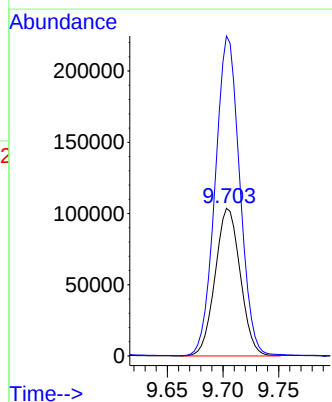
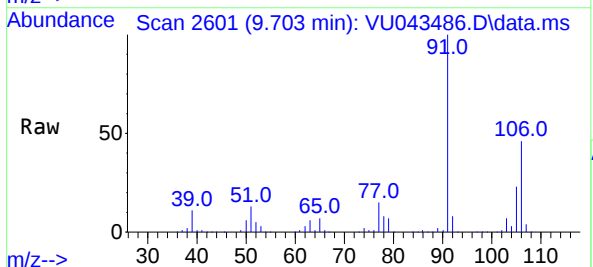
Instrument :
MSVOA_U
ClientSampled :
GB3J7

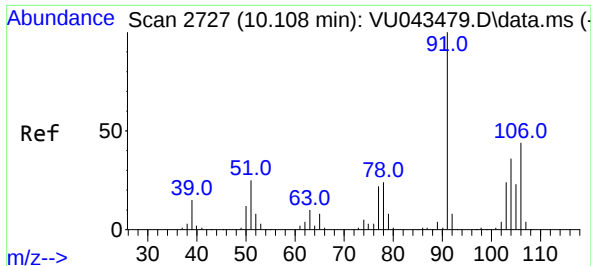
Tgt Ion: 91 Resp: 212618
Ion Ratio Lower Upper
91 100
106 30.4 20.5 38.1



#53
m,p-Xylene
Concen: 15.23 ug/L
RT: 9.703 min Scan# 2601
Delta R.T. 0.003 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Tgt Ion: 106 Resp: 162855
Ion Ratio Lower Upper
106 100
91 216.6 150.3 279.1

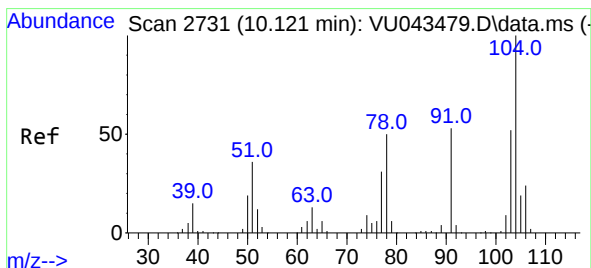
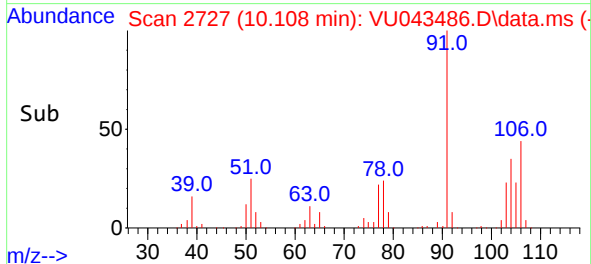
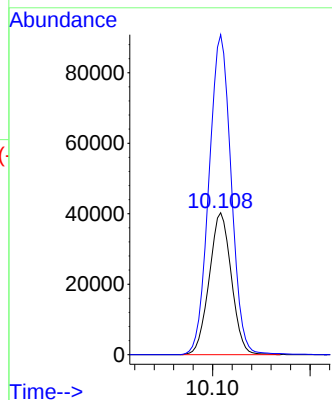
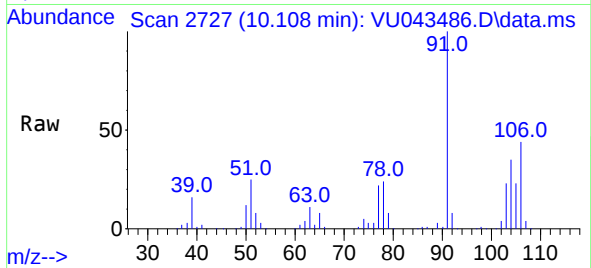




#54
o-Xylene
Concen: 6.10 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

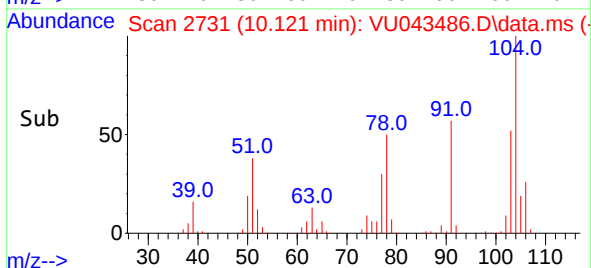
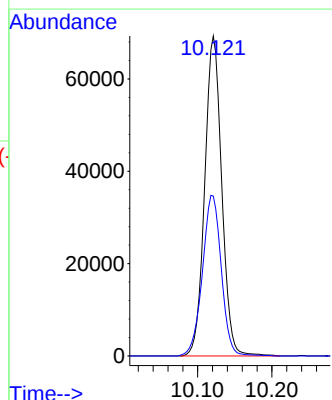
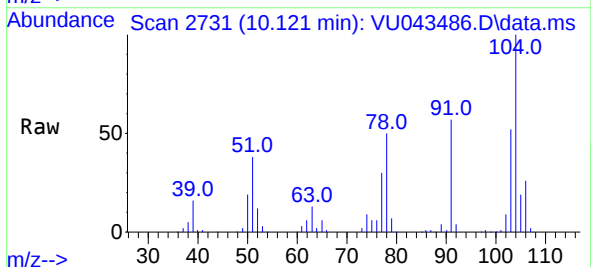
Instrument :
MSVOA_U
ClientSampled :
GB3J7

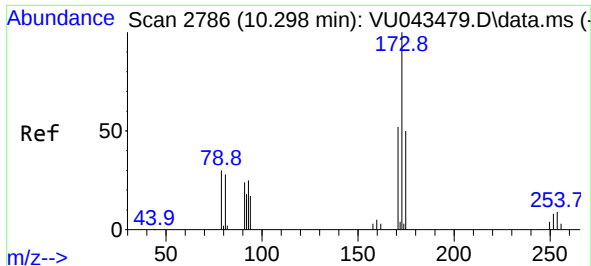
Tgt Ion:106 Resp: 63428
Ion Ratio Lower Upper
106 100
91 225.5 157.3 292.1



#55
Styrene
Concen: 6.06 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

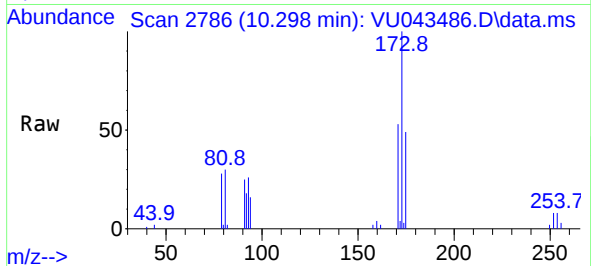
Tgt Ion:104 Resp: 110408
Ion Ratio Lower Upper
104 100
78 50.0 35.3 65.5



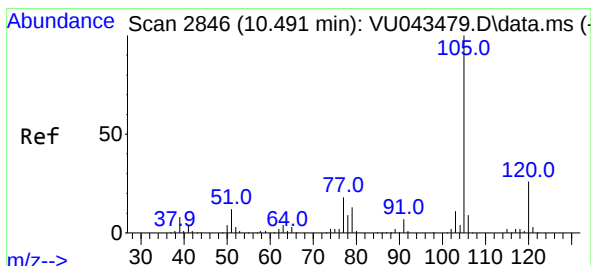
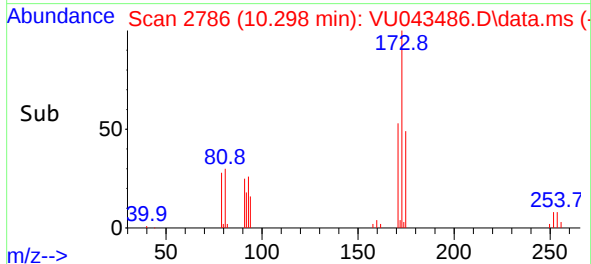
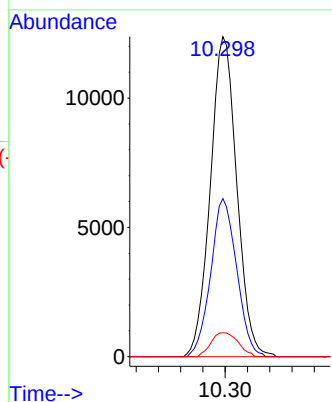


#59
Bromoform
Concen: 5.22 ug/L
RT: 10.298 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

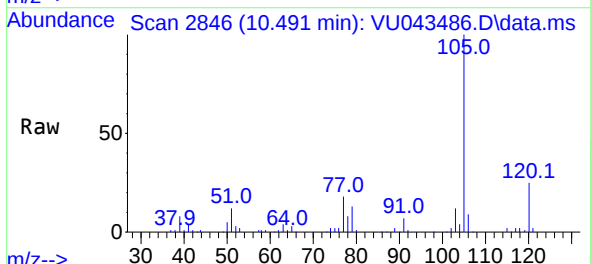
Instrument :
MSVOA_U
ClientSampled :
GB3J7



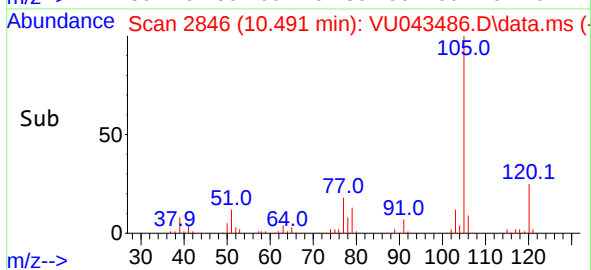
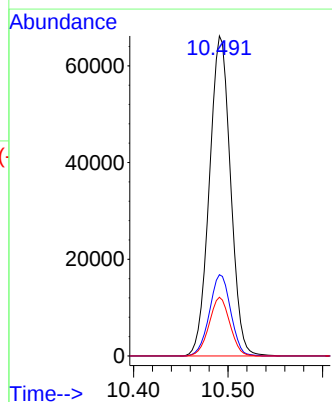
Tgt Ion:173 Resp: 20404
Ion Ratio Lower Upper
173 100
175 48.5 39.4 59.0
254 7.7 5.9 8.9

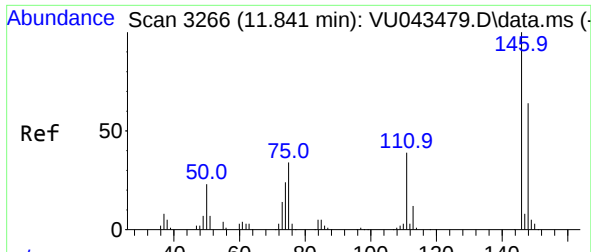


#60
Isopropylbenzene
Concen: 3.52 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03



Tgt Ion:105 Resp: 102893
Ion Ratio Lower Upper
105 100
120 25.5 20.4 30.6
77 18.0 14.6 21.8

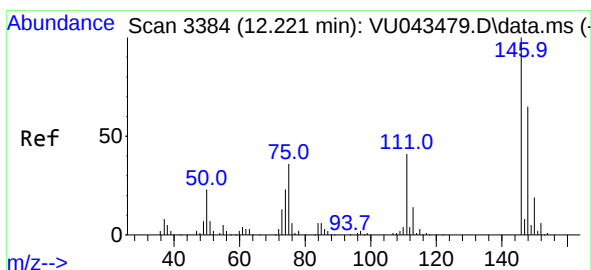
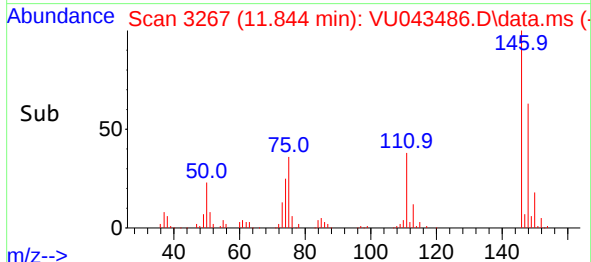
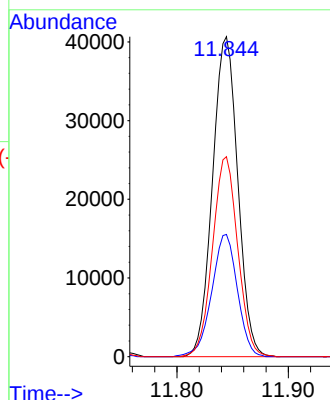
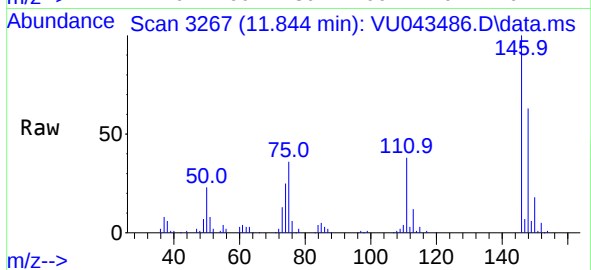




#65
1,4-Dichlorobenzene
Concen: 4.31 ug/L
RT: 11.844 min Scan# 3267
Delta R.T. 0.003 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

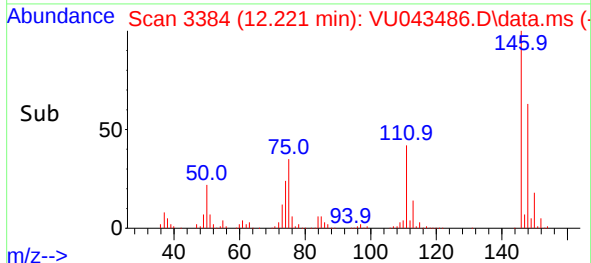
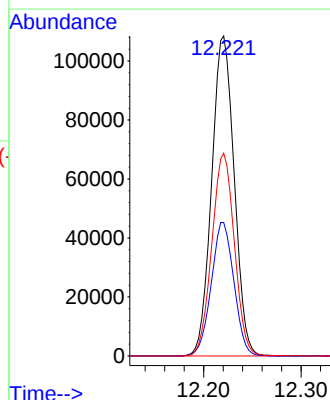
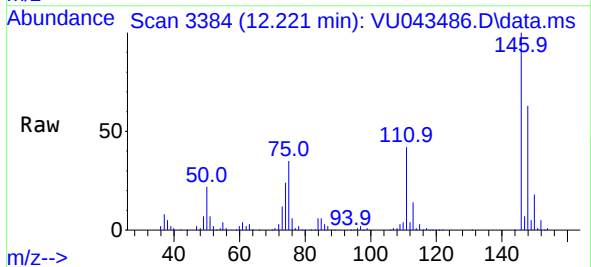
Instrument :
MSVOA_U
ClientSampled :
GB3J7

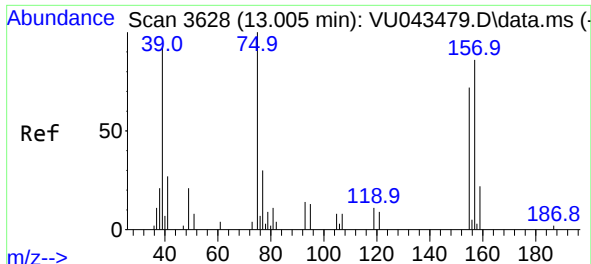
Tgt Ion:	146	Resp:	64111
Ion Ratio	Lower	Upper	
146	100		
111	38.2	27.6	51.2
148	62.5	44.6	82.8



#67
1,2-Dichlorobenzene
Concen: 11.94 ug/L
RT: 12.221 min Scan# 3384
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Tgt Ion:	146	Resp:	174364
Ion Ratio	Lower	Upper	
146	100		
111	41.7	32.6	49.0
148	63.4	51.8	77.8

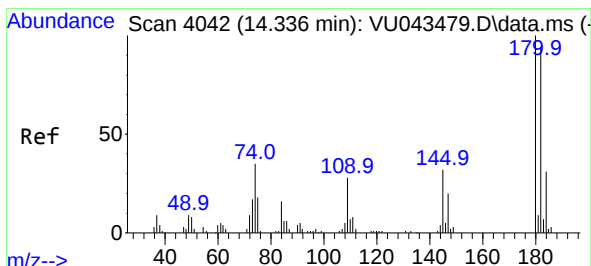
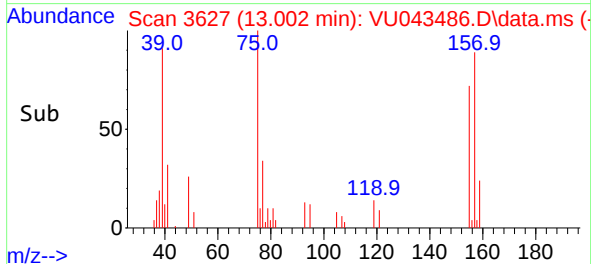
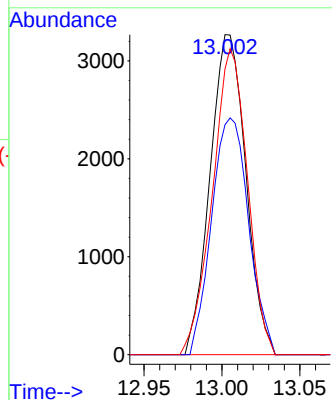
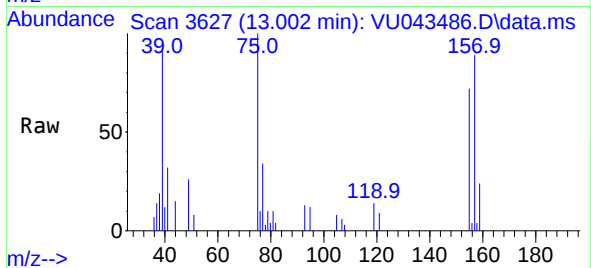




#68
1,2-Dibromo-3-chloropropane
Concen: 4.02 ug/L
RT: 13.002 min Scan# 3627
Delta R.T. -0.003 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Instrument :
MSVOA_U
ClientSampleId :
GB3J7

Tgt Ion: 75 Resp: 5210
Ion Ratio Lower Upper
75 100
155 71.8 57.8 86.6
157 89.4 68.5 102.7



#72
1,2,3-Trichlorobenzene
Concen: 10.92 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VU043486.D
Acq: 03 May 2021 14:03

Tgt Ion:180 Resp: 97001
Ion Ratio Lower Upper
180 100
182 96.1 75.7 113.5
145 31.5 25.7 38.5

