

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
 Data File : VU044296.D
 Acq On : 02 Jul 2021 11:41
 Operator : SY/MD
 Sample : M2905-19DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 03 04:58:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 03 04:56:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	132933	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	126174	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	72292	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	27675	3.845	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.000%
7) Chloroethane-d5	1.919	69	31930	4.506	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.200%
11) 1,1-Dichloroethene-d2	2.572	65	15427	4.176	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.600%
20) 2-Butanone-d5	4.642	46	137825	52.002	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.000%
24) Chloroform-d	5.073	84	78762	4.861	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.710	65	46245	4.775	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	5.735	84	155184	4.952	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.700	67	51014	5.023	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.400%
41) Toluene-d8	7.903	98	145397	5.000	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
43) trans-1,3-Dichloroprop...	8.186	79	20523	4.357	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.200%
46) 2-Hexanone-d5	8.642	63	122575	54.632	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.260%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	46148	5.111	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.198	152	62343	5.234	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	3675	0.391	ug/L #	1
12) 1,1-Dichloroethene	2.581	96	1063	0.138	ug/L #	1
13) Acetone	2.652	43	3675	3.101	ug/L	68
15) Methyl Acetate	2.974	43	374	0.112	ug/L #	53
16) Methylene chloride	3.054	84	6363	0.615	ug/L	97
18) trans-1,2-Dichloroethene	3.363	96	1180	0.144	ug/L	79
19) 1,1-Dichloroethane	3.880	63	10137	0.651	ug/L	99
22) cis-1,2-Dichloroethene	4.678	96	15850	1.773	ug/L	97
30) Cyclohexane	5.401	56	1635	0.112	ug/L	87
33) Benzene	5.784	78	24364	0.736	ug/L	100
34) Trichloroethene	6.552	95	604	0.067	ug/L	90
35) Methylcyclohexane	6.771	83	2392	0.162	ug/L	90
37) 1,2-Dichloropropane	6.800	63	1117	0.128	ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	1445	0.101	ug/L #	54
40) 4-Methyl-2-pentanone	7.800	43	7013	0.998	ug/L #	88
42) Toluene	7.977	91	90204	2.475	ug/L	99
48) 2-Hexanone	8.639	43	245555	49.603	ug/L #	39
51) Chlorobenzene	9.452	112	2020	0.087	ug/L	91
52) Ethylbenzene	9.575	91	55679	1.323	ug/L	99

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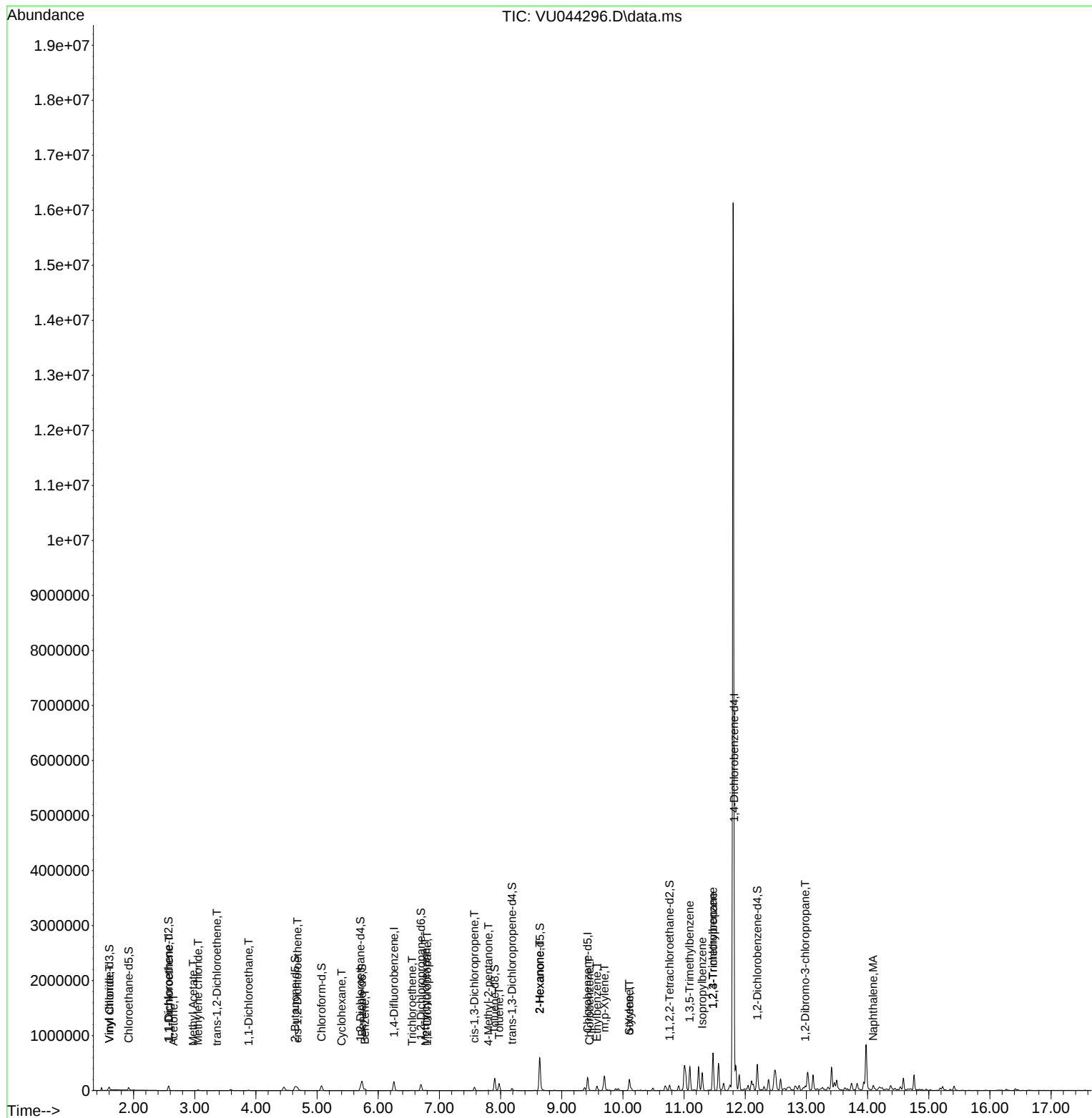
53) m,p-Xylene	9.700	106	66291	4.160	ug/L	99
54) o-Xylene	10.105	106	52452	3.387	ug/L	94
55) Styrene	10.105	104	2924	0.108	ug/L #	1
60) Isopropylbenzene	11.298	105	189366	4.308	ug/L	92
61) 1,2,3-Trichloropropane	11.472	75	3749	0.574	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.092	105	192021	5.013	ug/L	97
63) 1,2,4-Trimethylbenzene	11.475	105	366004	9.343	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.980	75	342	0.201	ug/L #	5
71) Naphthalene	14.092	128	48793	2.104	ug/L #	95

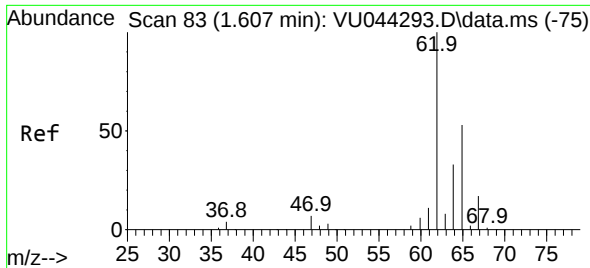
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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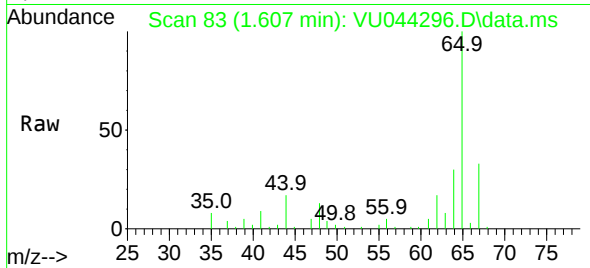
Quant Time: Jul 03 04:58:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
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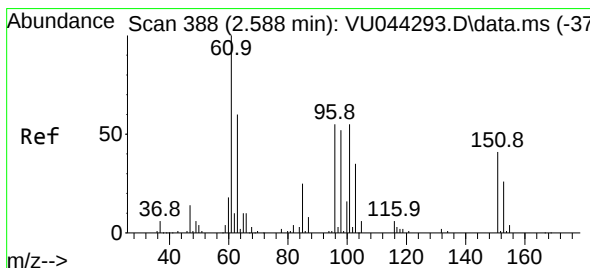
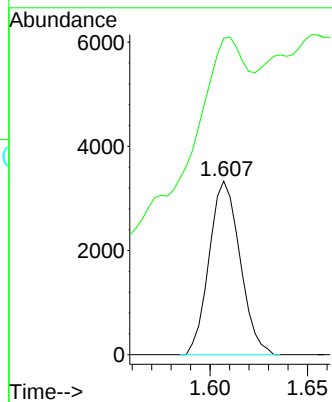
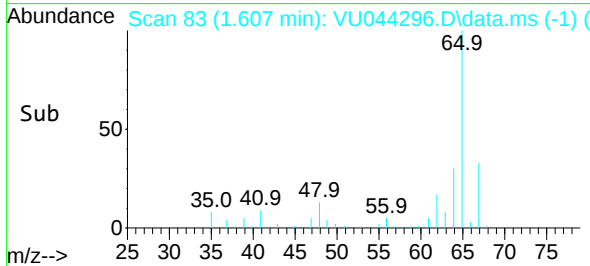


#5
 Vinyl chloride
 Concen: 0.391 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU044296.D
 Acq: 02 Jul 2021 11:41

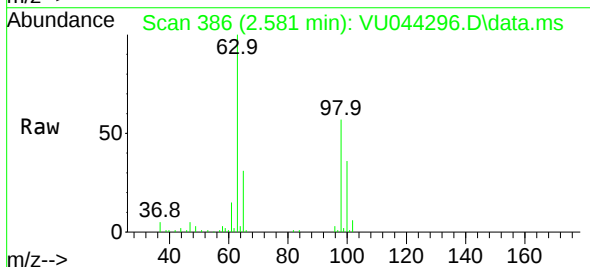
Instrument :
 MSVOA_U
 ClientSampled :



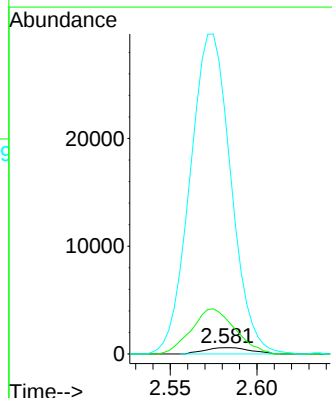
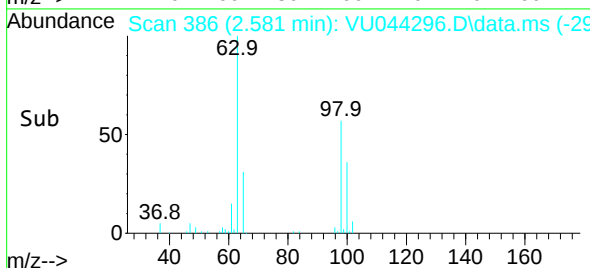
Tgt Ion: 62 Resp: 3675
 Ion Ratio Lower Upper
 62 100
 64 182.2 23.7 44.1#

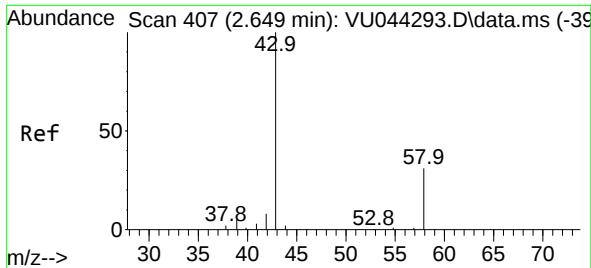


#12
 1,1-Dichloroethene
 Concen: 0.138 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.006 min
 Lab File: VU044296.D
 Acq: 02 Jul 2021 11:41



Tgt Ion: 96 Resp: 1063
 Ion Ratio Lower Upper
 96 100
 61 589.3 128.6 238.8#
 63 3925.5 84.3 156.5#

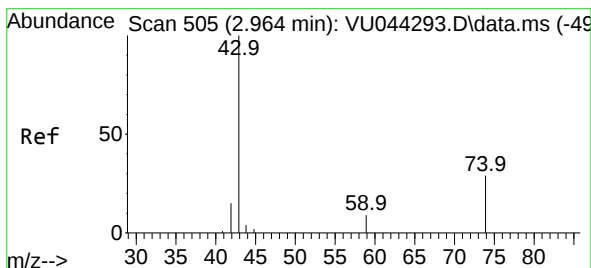
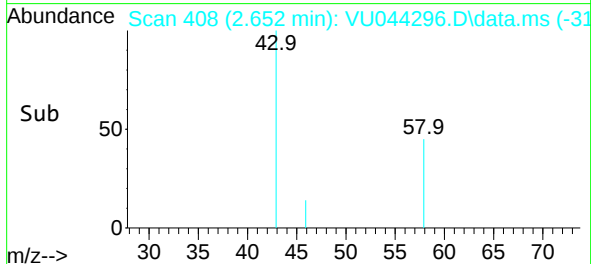
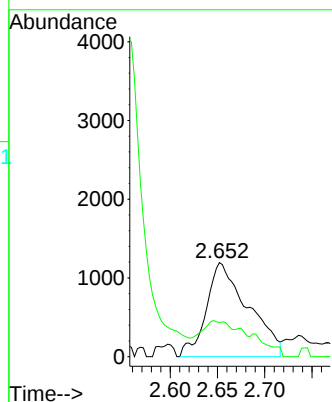
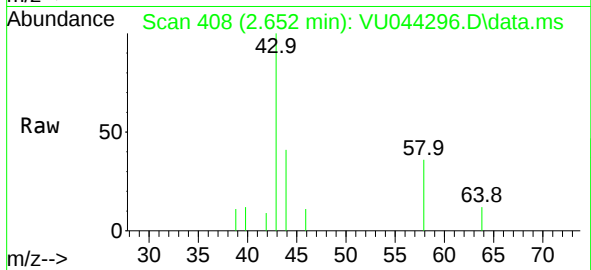




#13
Acetone
Concen: 3.101 ug/L
RT: 2.652 min Scan# 408
Delta R.T. 0.003 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

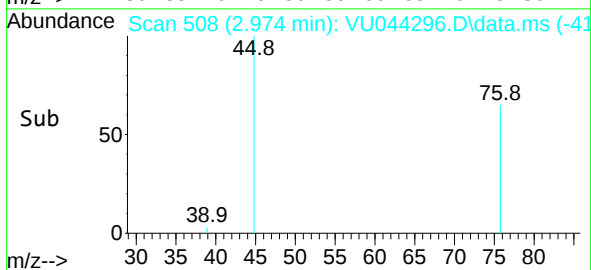
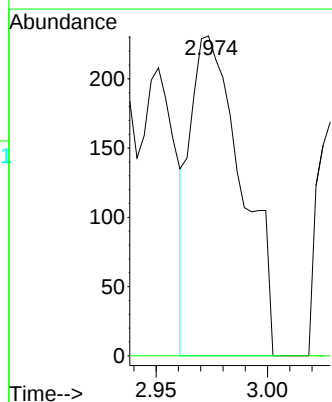
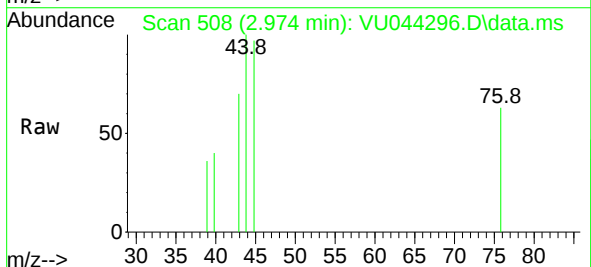
Instrument :
MSVOA_U
ClientSampled :

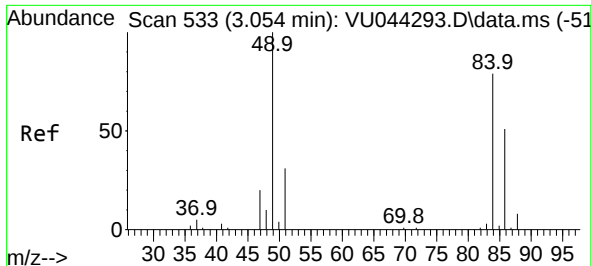
Tgt Ion: 43 Resp: 3675
Ion Ratio Lower Upper
43 100
58 10.5 0.0 53.8



#15
Methyl Acetate
Concen: 0.112 ug/L
RT: 2.974 min Scan# 508
Delta R.T. 0.010 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

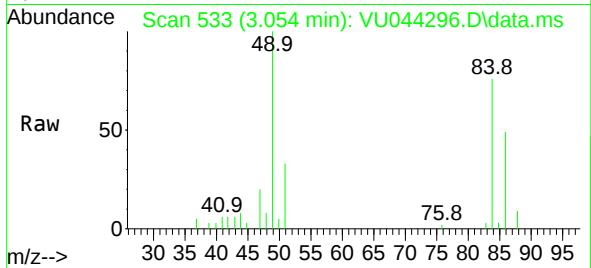
Tgt Ion: 43 Resp: 374
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#



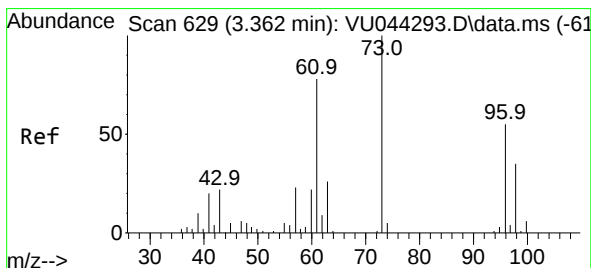
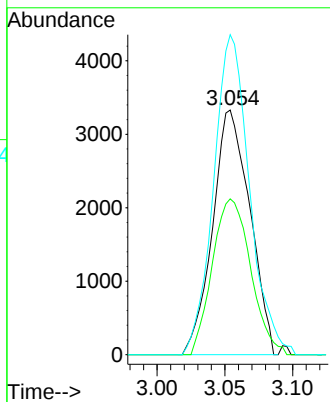
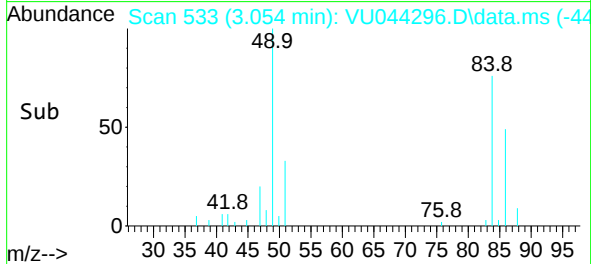


#16
Methylene chloride
Concen: 0.615 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

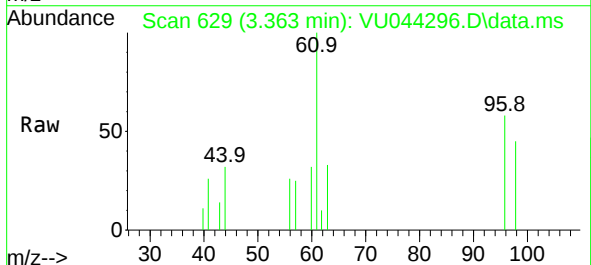
Instrument :
MSVOA_U
ClientSampled :



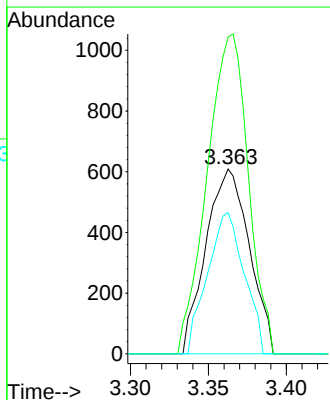
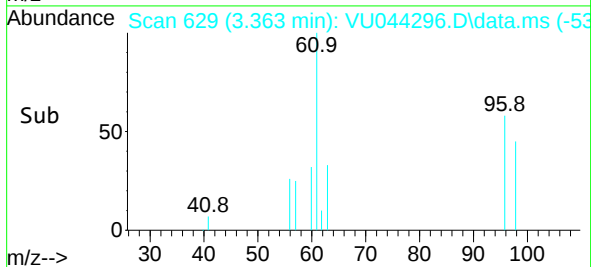
Tgt Ion:	84	Resp:	6363
Ion	Ratio	Lower	Upper
84	100		
86	63.7	46.1	85.5
49	130.8	88.4	164.2

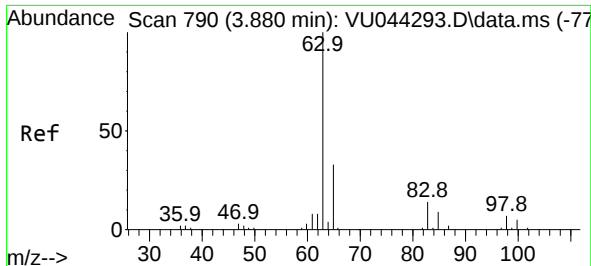


#18
trans-1,2-Dichloroethene
Concen: 0.144 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41



Tgt Ion:	96	Resp:	1180
Ion	Ratio	Lower	Upper
96	100		
61	171.4	100.2	186.2
98	76.4	44.9	83.5





#19

1,1-Dichloroethane

Concen: 0.651 ug/L

RT: 3.880 min Scan# 790

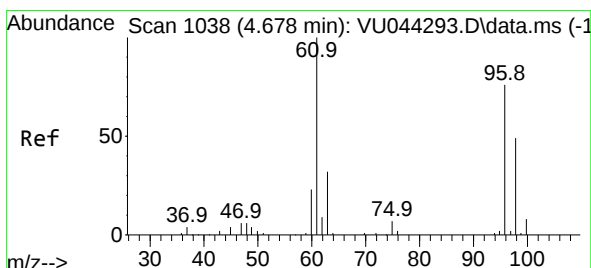
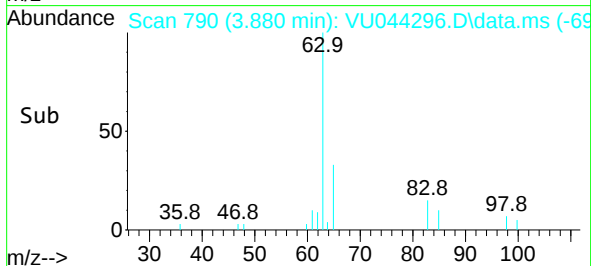
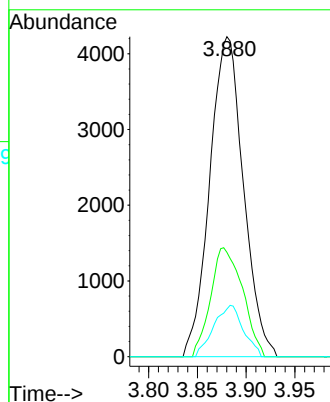
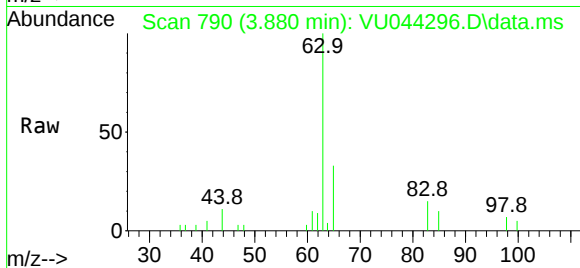
Delta R.T. 0.000 min

Lab File: VU044296.D

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Tgt Ion:	63	Resp:	10137
Ion	Ratio	Lower	Upper
63	100		
65	31.2	22.3	41.3
83	14.3	9.9	18.5

Instrument :
MSVOA_U
ClientSampled :



#22

cis-1,2-Dichloroethene

Concen: 1.773 ug/L

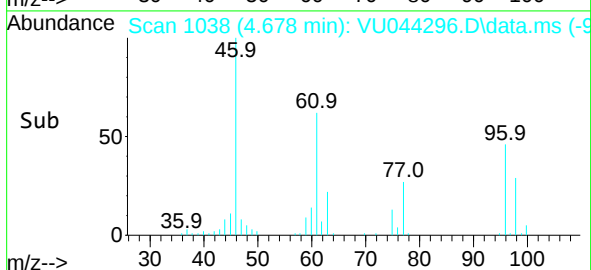
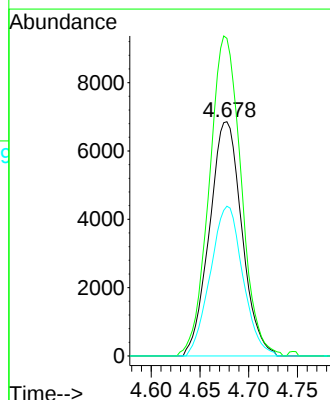
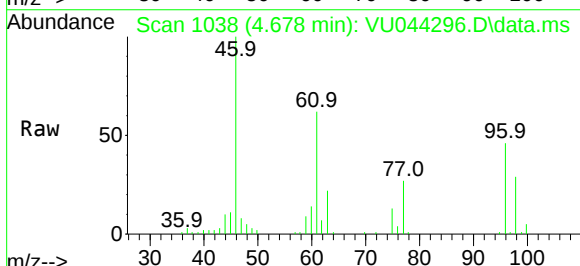
RT: 4.678 min Scan# 1038

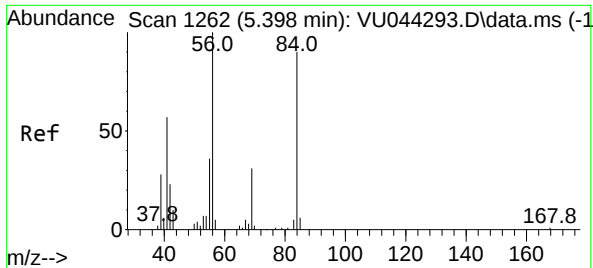
Delta R.T. 0.000 min

Lab File: VU044296.D

Acq: 02 Jul 2021 11:41

Tgt Ion:	96	Resp:	15850
Ion	Ratio	Lower	Upper
96	100		
61	135.6	98.8	183.6
98	63.9	44.8	83.2

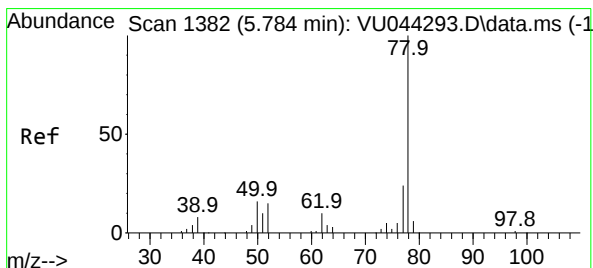
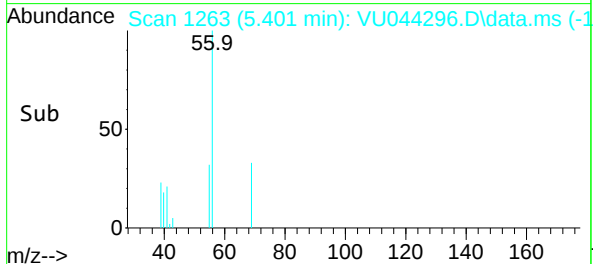
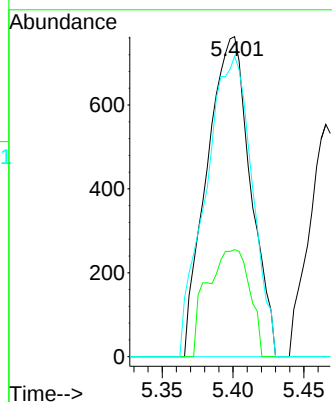
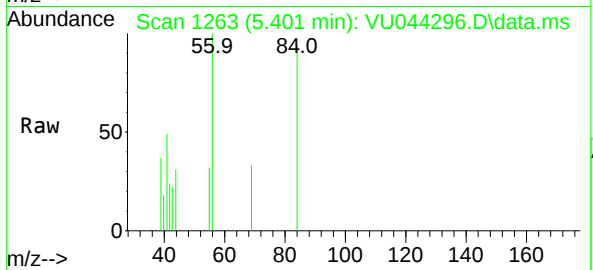




#30
Cyclohexane
Concen: 0.112 ug/L
RT: 5.401 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

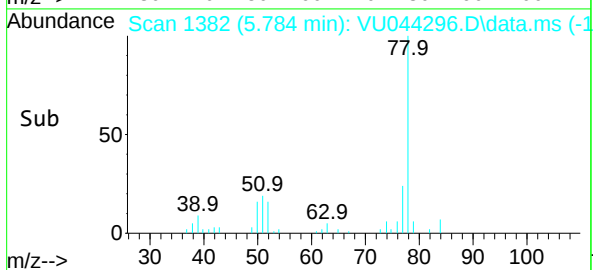
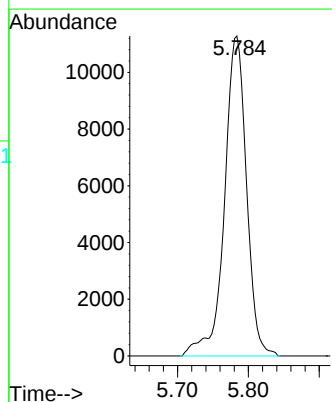
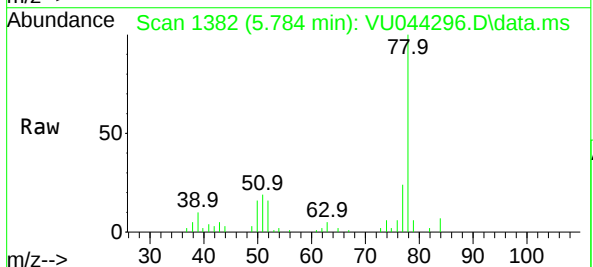
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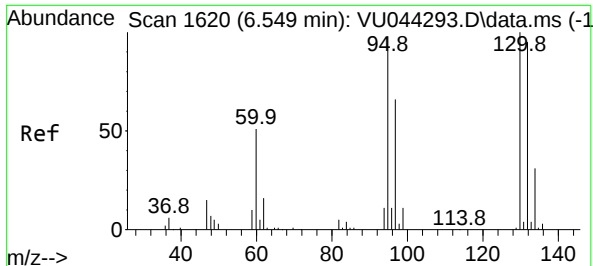
Tgt Ion: 56 Resp: 1635
Ion Ratio Lower Upper
56 100
69 32.4 24.8 37.2
84 99.7 67.8 101.8



#33
Benzene
Concen: 0.736 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

Tgt Ion: 78 Resp: 24364





#34

Trichloroethene

Concen: 0.067 ug/L

RT: 6.552 min Scan# 1621

Delta R.T. 0.003 min

Lab File: VU044296.D

Acq: 02 Jul 2021 11:41

Tgt Ion: 95 Resp: 604

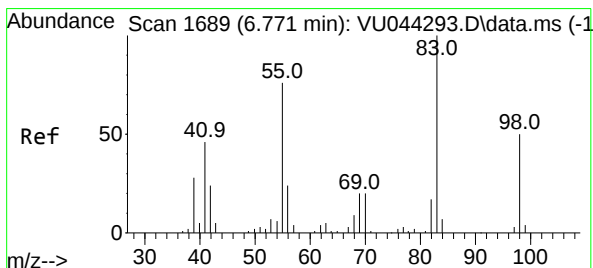
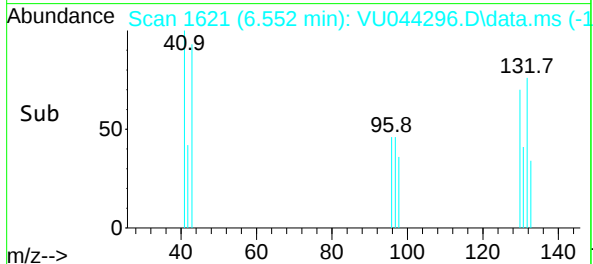
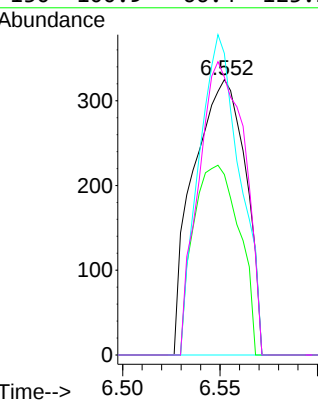
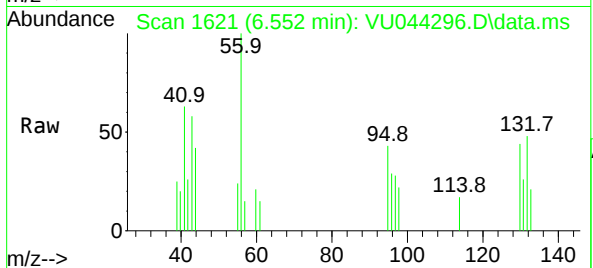
Ion Ratio Lower Upper

95 100

97 65.5 44.3 82.3

132 109.5 64.3 119.5

130 100.9 66.4 123.2



#35

Methylcyclohexane

Concen: 0.162 ug/L

RT: 6.771 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VU044296.D

Acq: 02 Jul 2021 11:41

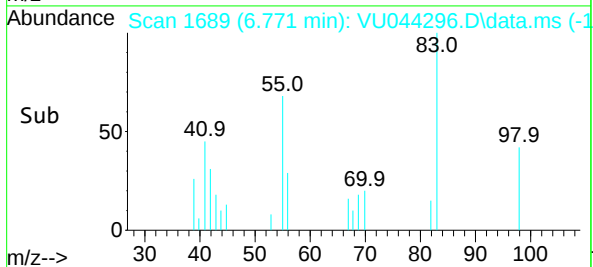
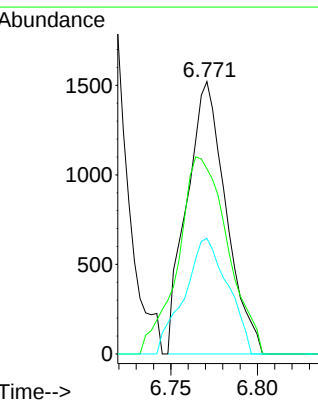
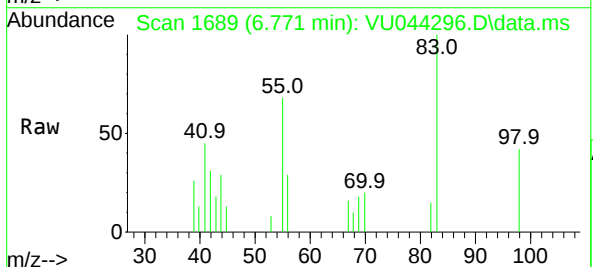
Tgt Ion: 83 Resp: 2392

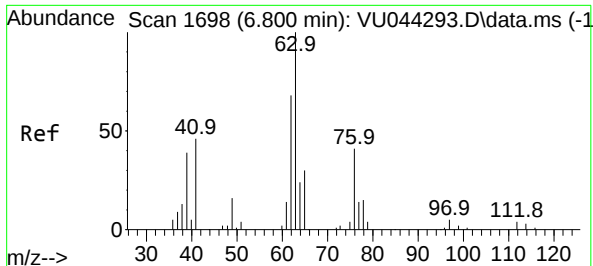
Ion Ratio Lower Upper

83 100

55 91.6 63.4 95.0

98 47.1 39.4 59.0

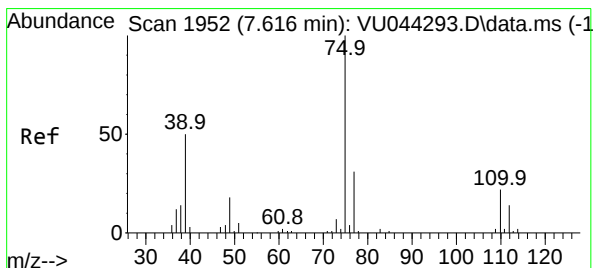
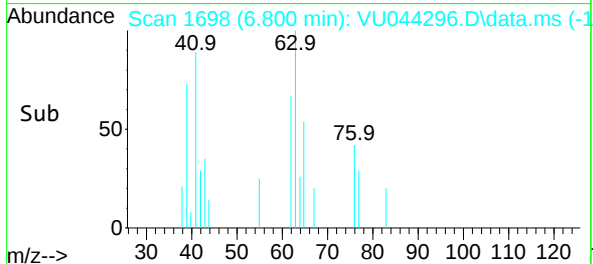
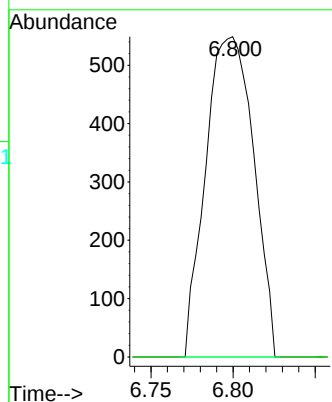
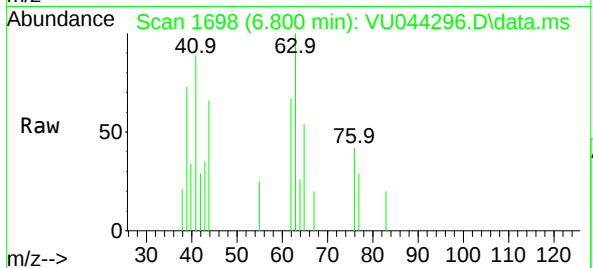




#37
1,2-Dichloropropane
Concen: 0.128 ug/L
RT: 6.800 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

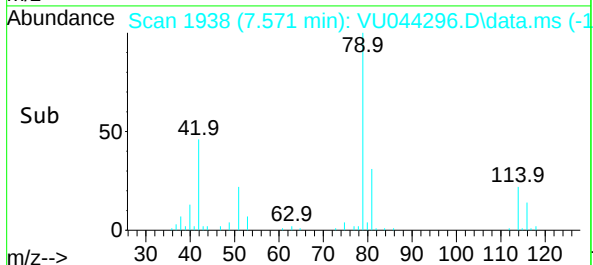
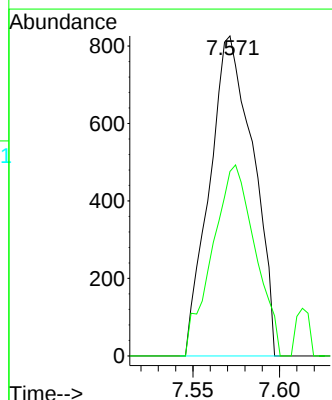
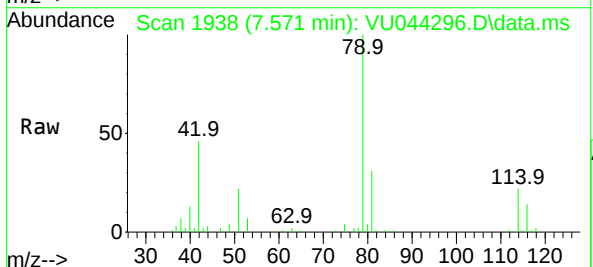
Instrument :
MSVOA_U
ClientSampled :

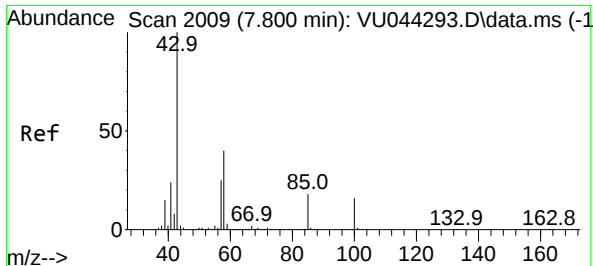
Tgt Ion: 63 Resp: 1117
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



#39
cis-1,3-Dichloropropene
Concen: 0.101 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

Tgt Ion: 75 Resp: 1445
Ion Ratio Lower Upper
75 100
77 57.6 22.5 41.7#

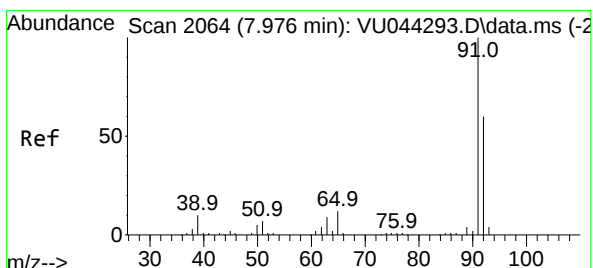
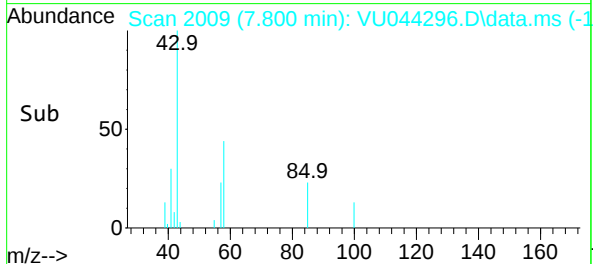
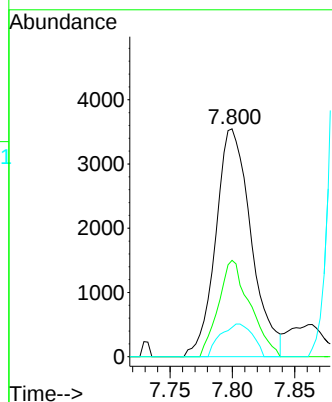
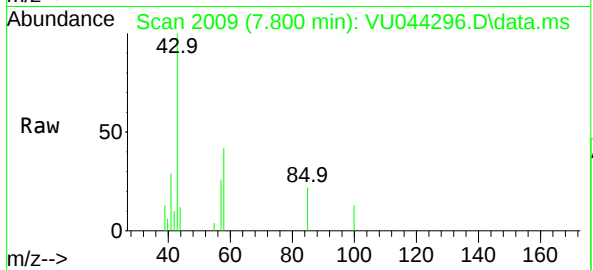




#40
4-Methyl-2-pentanone
Concen: 0.998 ug/L
RT: 7.800 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

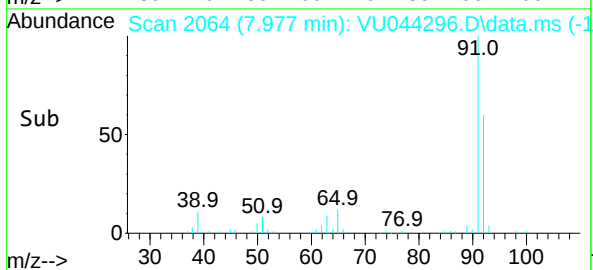
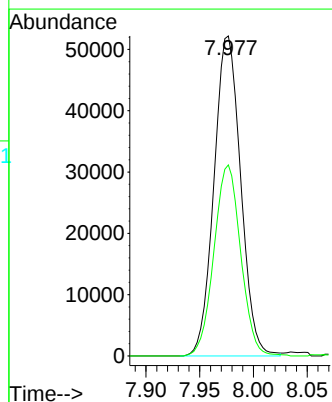
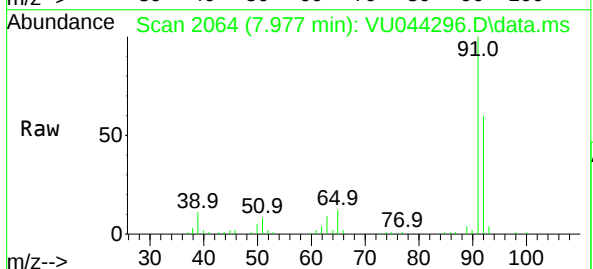
Instrument :
MSVOA_U
ClientSampled :

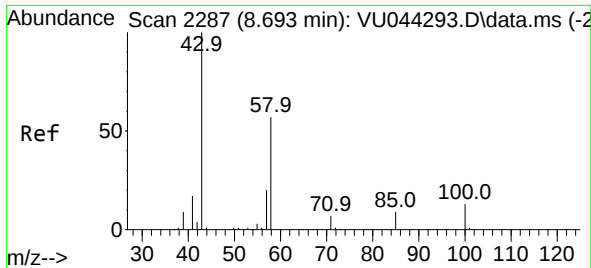
Tgt Ion: 43 Resp: 7013
Ion Ratio Lower Upper
43 100
58 37.8 31.2 46.8
100 0.0 12.3 18.5#



#42
Toluene
Concen: 2.475 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

Tgt Ion: 91 Resp: 90204
Ion Ratio Lower Upper
91 100
92 59.7 41.2 76.6

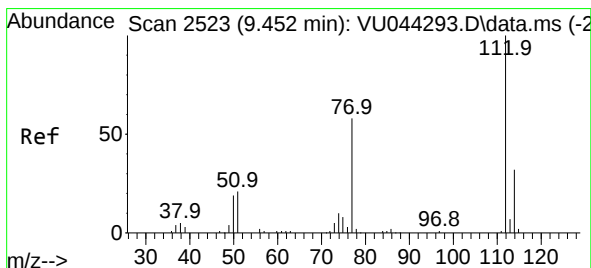
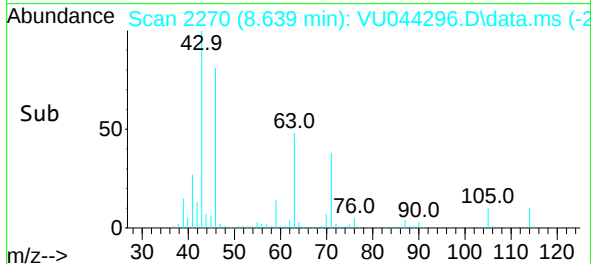
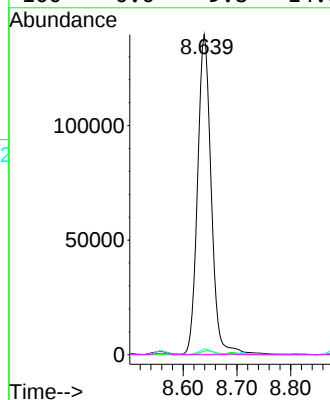
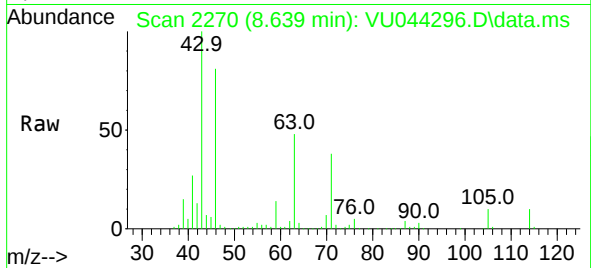




#48
2-Hexanone
Concen: 49.603 ug/L
RT: 8.639 min Scan# 2270
Delta R.T. -0.055 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

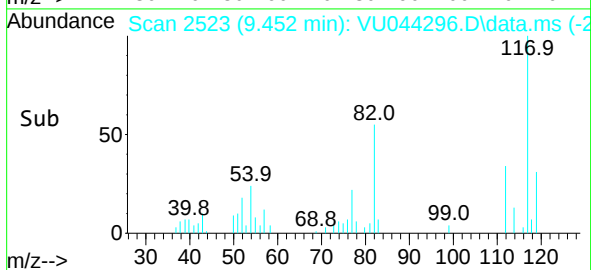
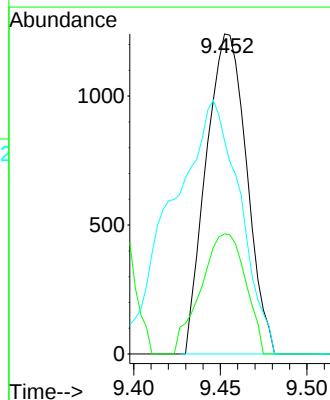
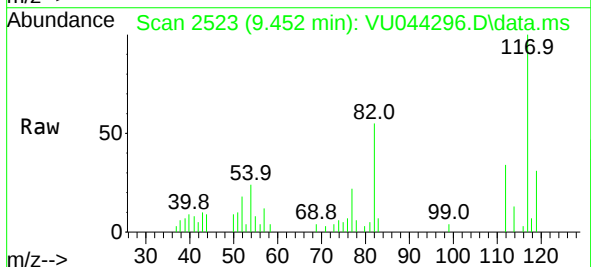
Instrument :
MSVOA_U
ClientSampled :

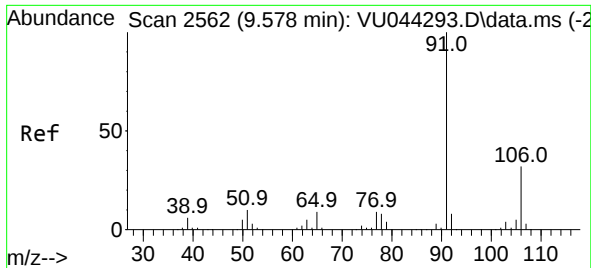
Tgt Ion:	43	Resp:	245555
Ion	Ratio	Lower	Upper
43	100		
58	1.4	44.7	67.1#
57	1.8	15.7	23.5#
100	0.0	9.8	14.8#



#51
Chlorobenzene
Concen: 0.087 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

Tgt Ion:	112	Resp:	2020
Ion	Ratio	Lower	Upper
112	100		
114	37.6	22.0	41.0
77	66.6	48.9	73.3

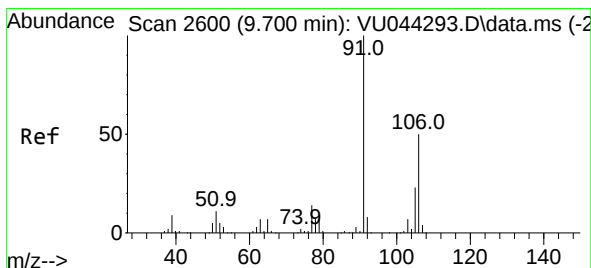
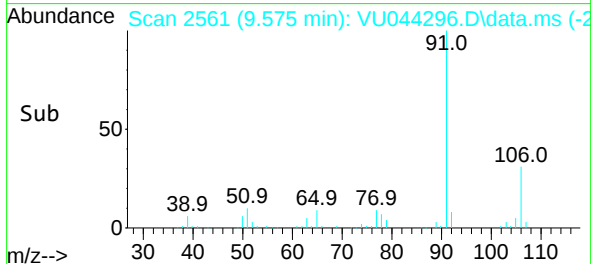
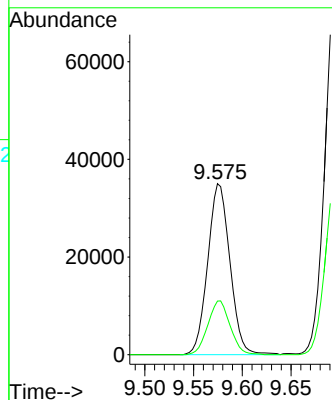
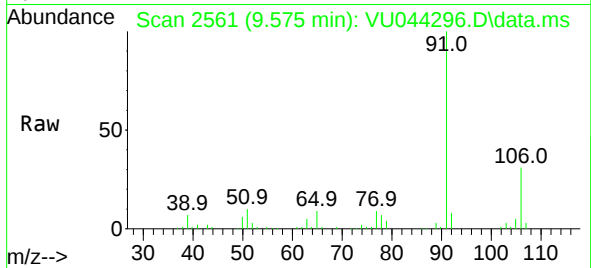




#52
Ethylbenzene
Concen: 1.323 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

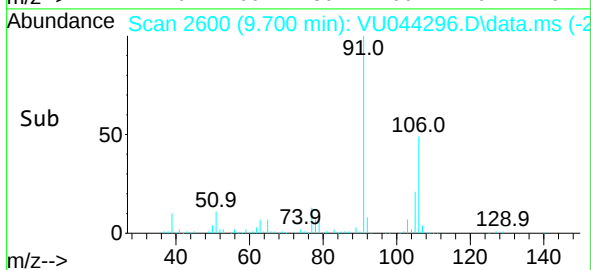
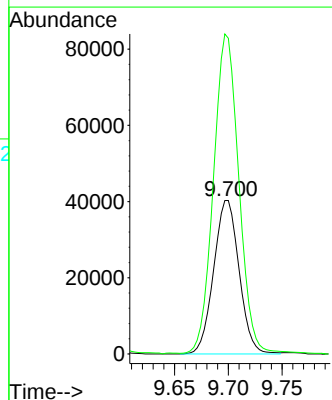
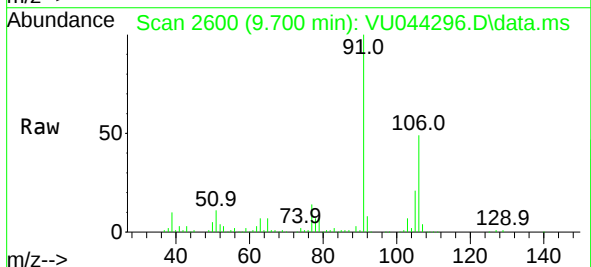
Instrument :
MSVOA_U
ClientSampled :

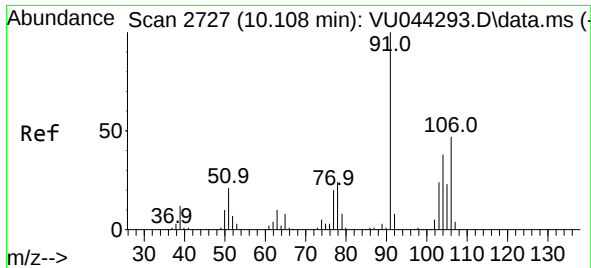
Tgt Ion: 91 Resp: 55679
Ion Ratio Lower Upper
91 100
106 31.3 21.6 40.2



#53
m,p-Xylene
Concen: 4.160 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

Tgt Ion: 106 Resp: 66291
Ion Ratio Lower Upper
106 100
91 205.7 144.8 269.0

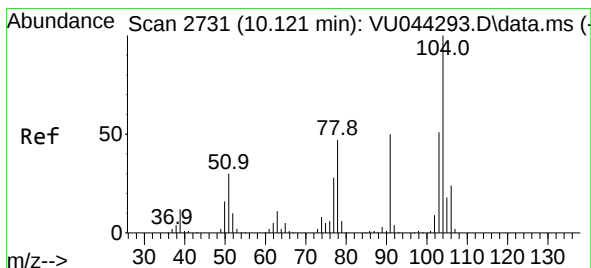
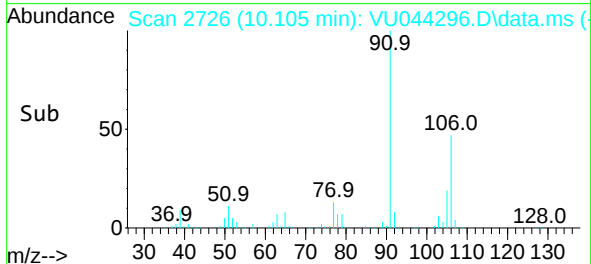
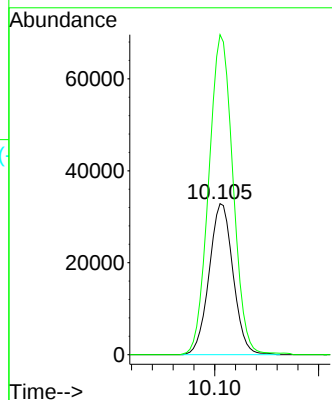
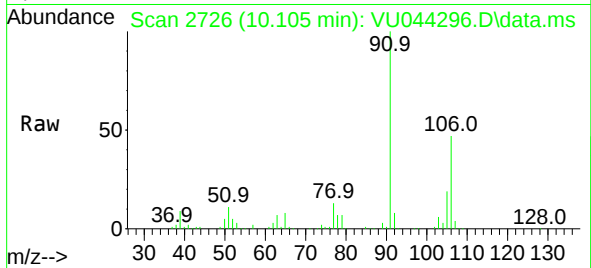




#54
o-Xylene
Concen: 3.387 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

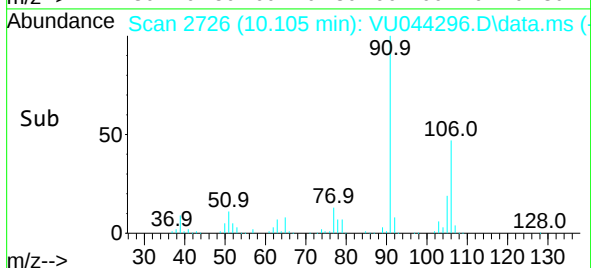
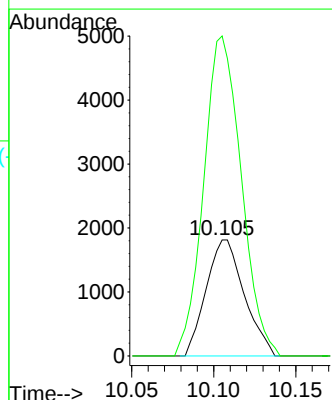
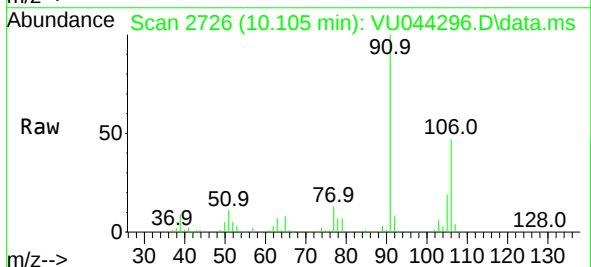
Instrument :
MSVOA_U
ClientSampleId :

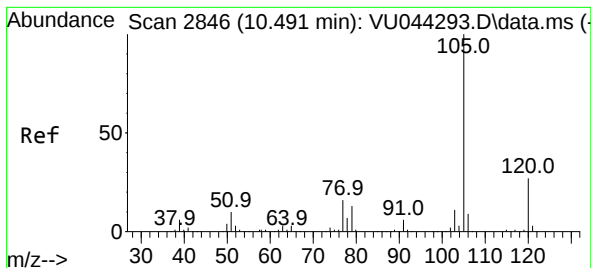
Tgt Ion:106 Resp: 52452
Ion Ratio Lower Upper
106 100
91 211.8 154.8 287.4



#55
Styrene
Concen: 0.108 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.016 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

Tgt Ion:104 Resp: 2924
Ion Ratio Lower Upper
104 100
78 275.7 34.1 63.3#





#60

Isopropylbenzene

Concen: 4.308 ug/L

RT: 11.298 min Scan# 3097

Delta R.T. 0.807 min

Lab File: VU044296.D

Acq: 02 Jul 2021 11:41

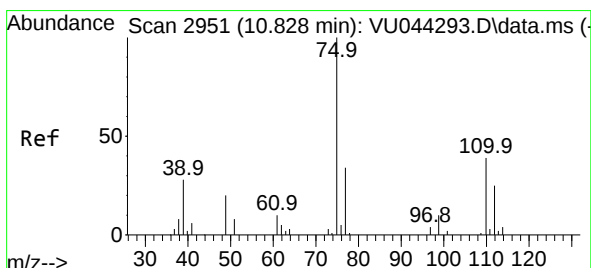
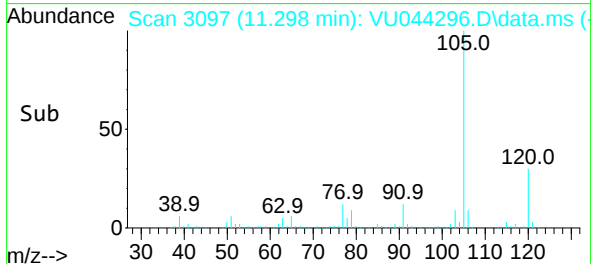
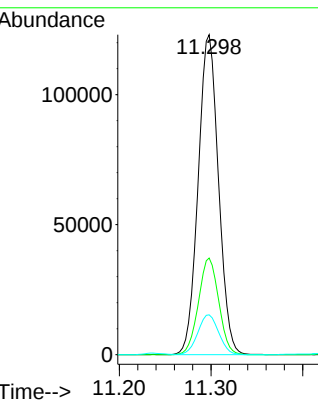
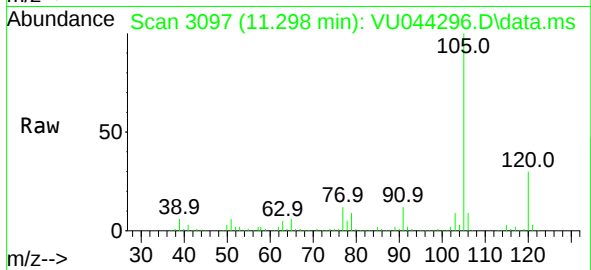
Tgt Ion:105 Resp: 189366

Ion Ratio Lower Upper

105 100

120 30.1 20.7 31.1

77 12.9 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 0.574 ug/L

RT: 11.472 min Scan# 3151

Delta R.T. 0.643 min

Lab File: VU044296.D

Acq: 02 Jul 2021 11:41

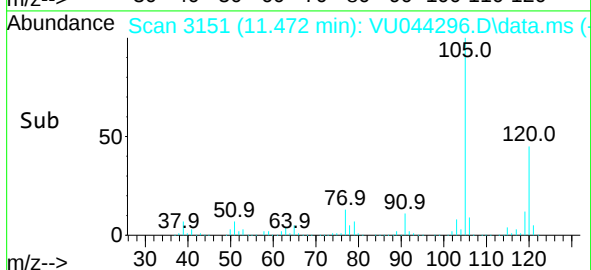
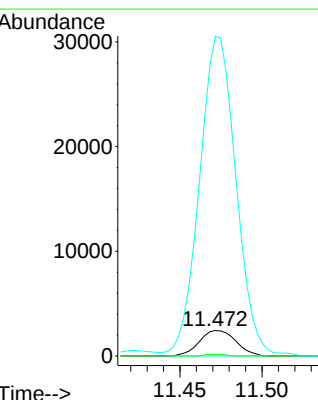
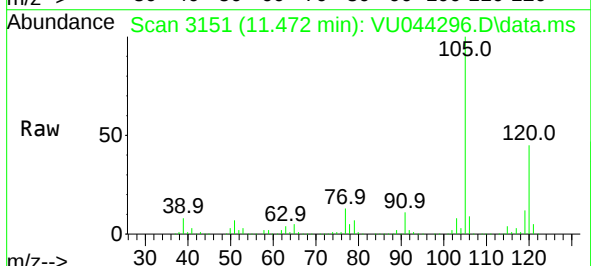
Tgt Ion: 75 Resp: 3749

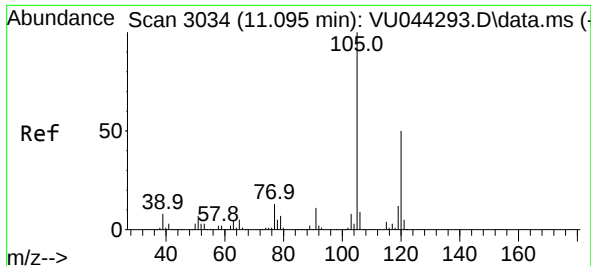
Ion Ratio Lower Upper

75 100

110 3.4 30.5 45.7#

77 1265.0 26.1 39.1#

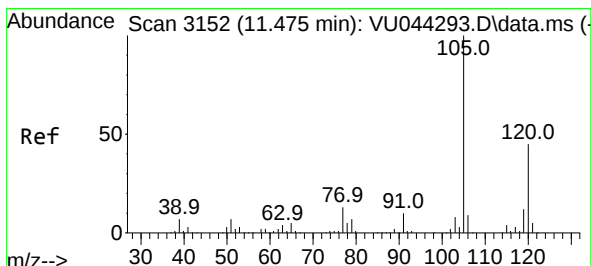
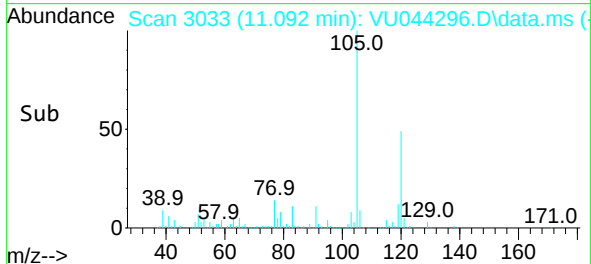
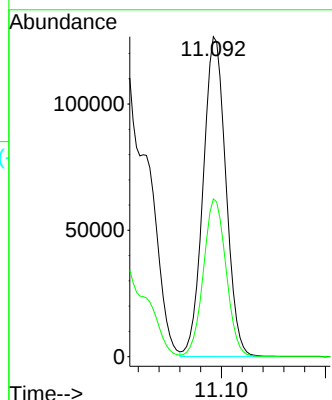
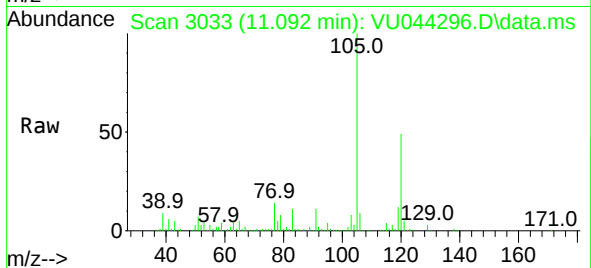




#62
1,3,5-Trimethylbenzene
Concen: 5.013 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.003 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

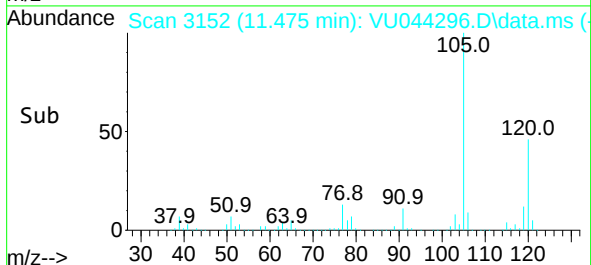
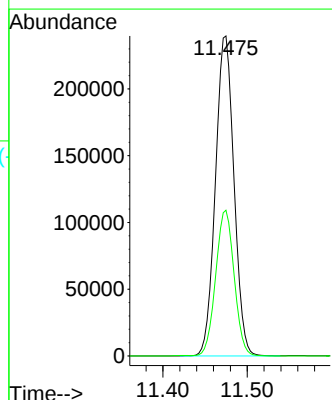
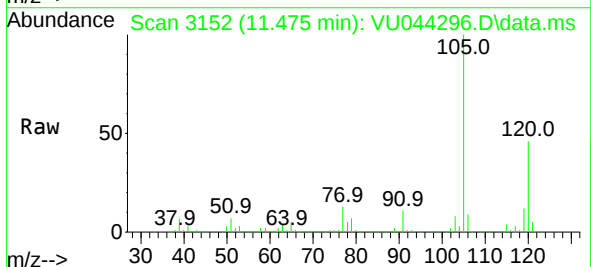
Instrument :
MSVOA_U
ClientSampled :

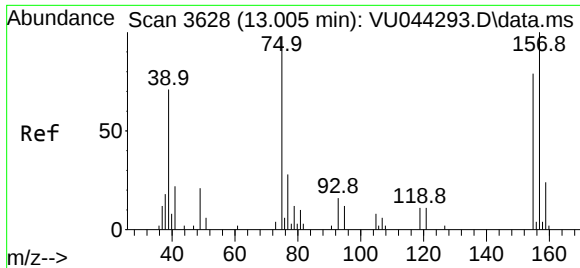
Tgt Ion:105 Resp: 192021
Ion Ratio Lower Upper
105 100
120 49.2 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 9.343 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

Tgt Ion:105 Resp: 366004
Ion Ratio Lower Upper
105 100
120 45.4 35.6 53.4

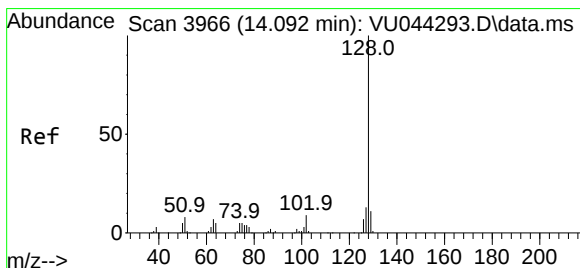
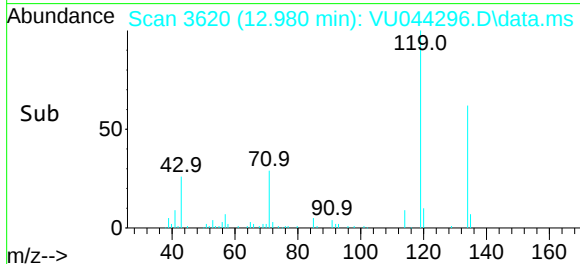
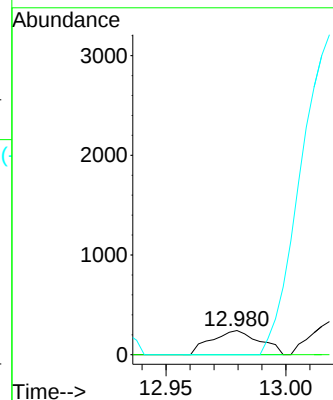
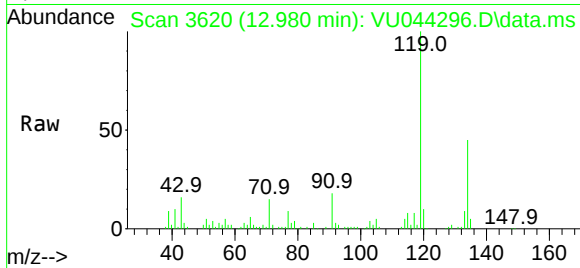




#68
1,2-Dibromo-3-chloropropane
Concen: 0.201 ug/L
RT: 12.980 min Scan# 3620
Delta R.T. -0.026 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 342
Ion Ratio Lower Upper
75 100
155 0.0 59.9 89.9#
157 0.0 79.3 118.9#



#71
Naphthalene
Concen: 2.104 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

Tgt Ion:128 Resp: 48793
Ion Ratio Lower Upper
128 100
129 14.6 8.9 13.3#
127 13.8 10.3 15.5

