

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 :
 DBK28DL

Manual Integrations
 APPROVED

MMDadoda
 7/6/2021 8:48:23 AM

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	
12) 1,1-Dichloroethene	2.581	96	1063	0.138	ug/L #	1
13) Acetone	2.652	43	3675	3.101	ug/L	68
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
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
51) Chlorobenzene	9.452	112	2020	0.087	ug/L	91
52) Ethylbenzene	9.575	91	55679	1.323	ug/L	99
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
60) Isopropylbenzene	10.491	105	28553m	0.650	ug/L	
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

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

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

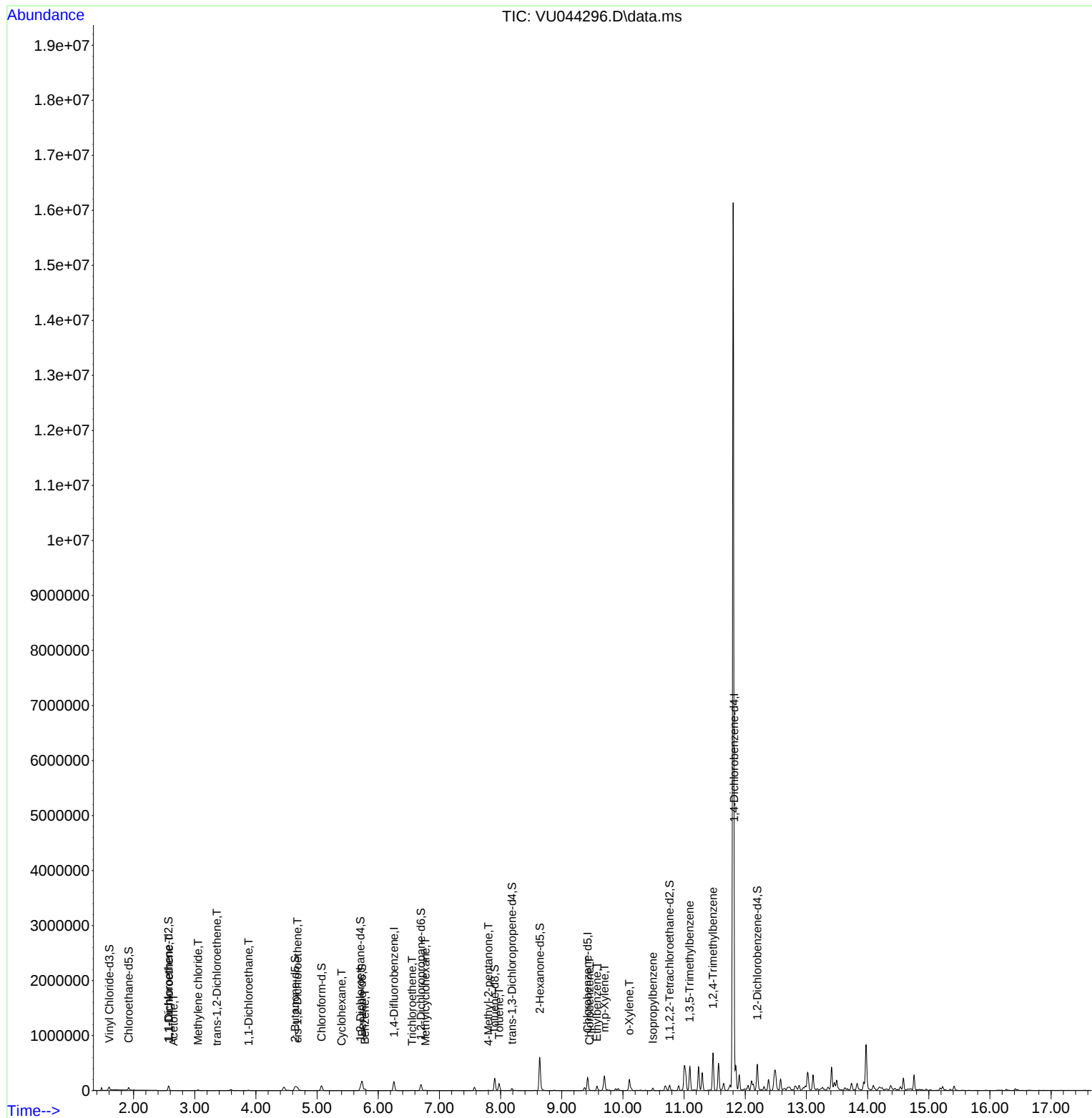
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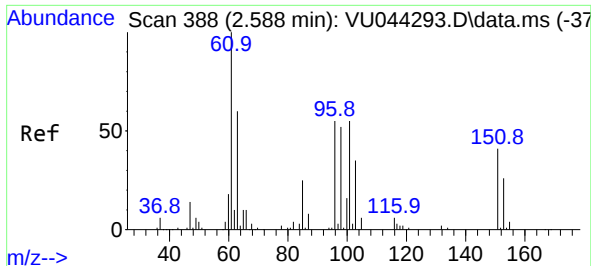
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Response via : Initial Calibration





#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

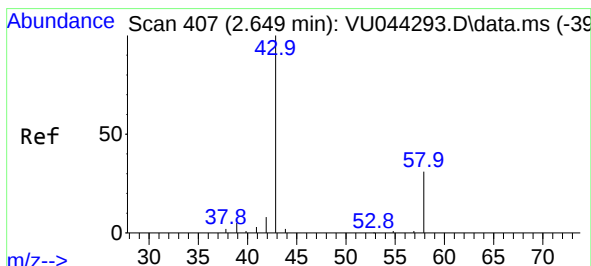
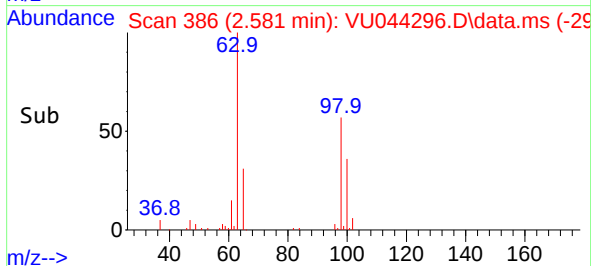
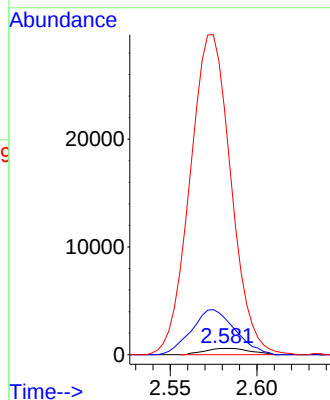
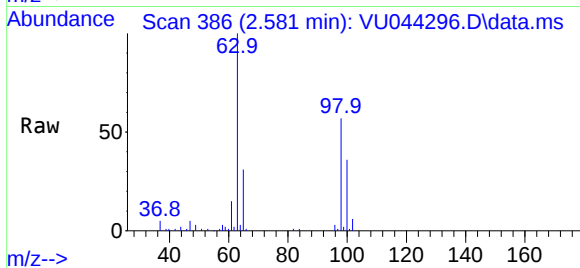
Tgt Ion: 96 Resp: 1063

Ion	Ratio	Lower	Upper
96	100		
61	589.3	128.6	238.8#
63	3925.5	84.3	156.5#

Instrument :
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DBK28DL

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#13

Acetone

Concen: 3.101 ug/L

RT: 2.652 min Scan# 408

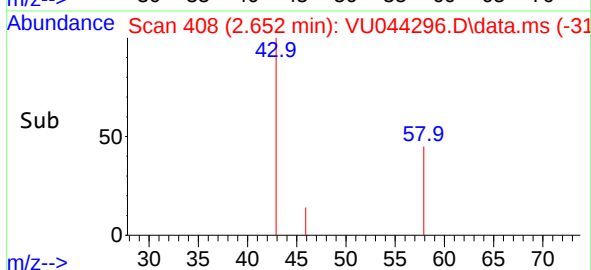
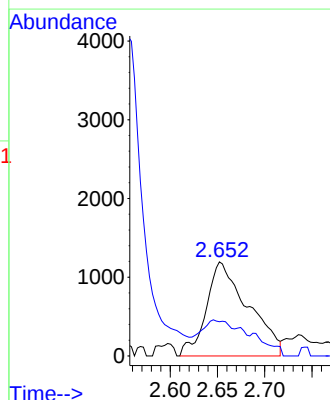
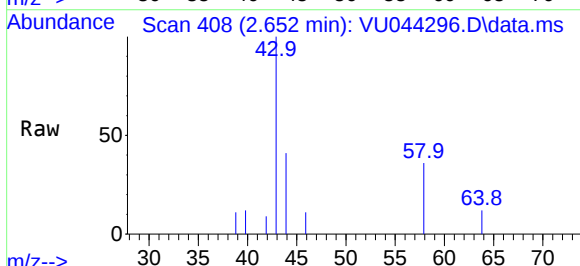
Delta R.T. 0.003 min

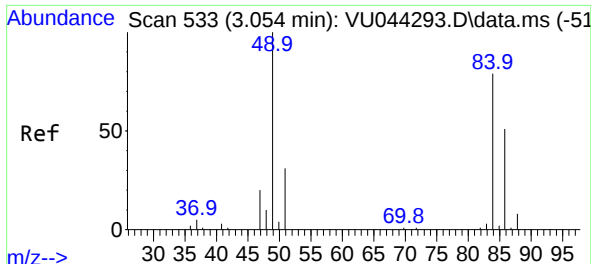
Lab File: VU044296.D

Acq: 02 Jul 2021 11:41

Tgt Ion: 43 Resp: 3675

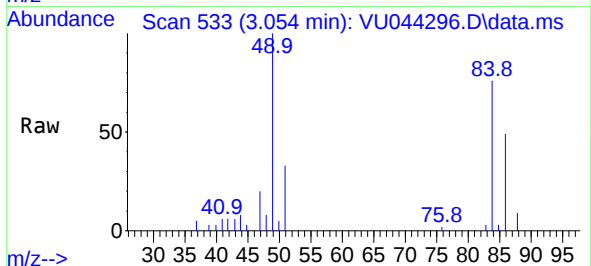
Ion	Ratio	Lower	Upper
43	100		
58	10.5	0.0	53.8





#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

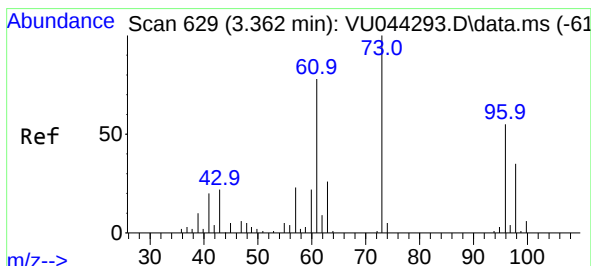
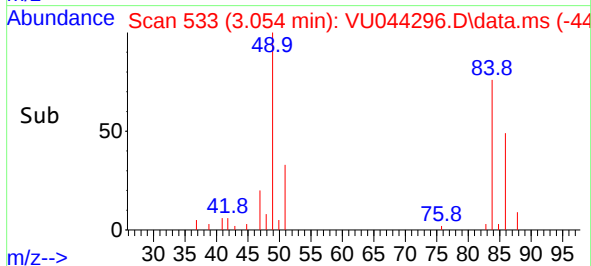
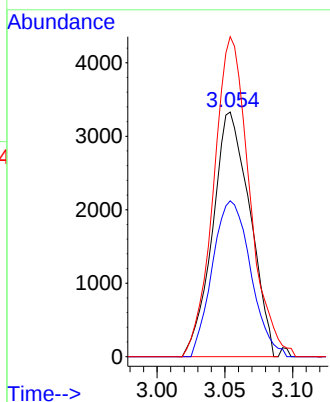
Instrument :
MSVOA_U
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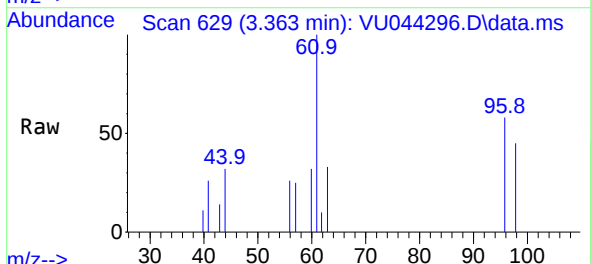
Tgt Ion: 84 Resp: 6363
Ion Ratio Lower Upper
84 100
86 63.7 46.1 85.5
49 130.8 88.4 164.2

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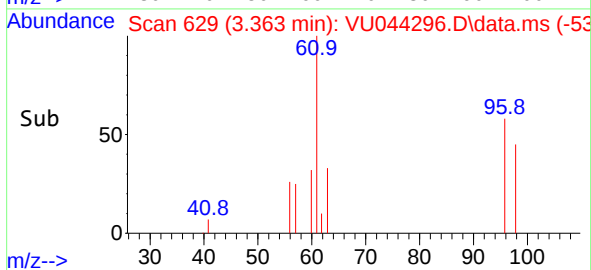
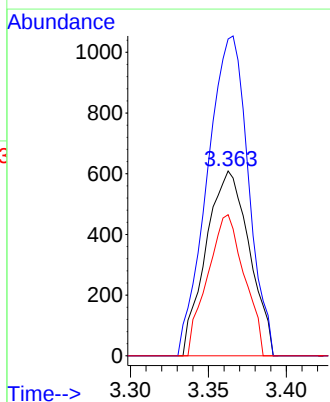
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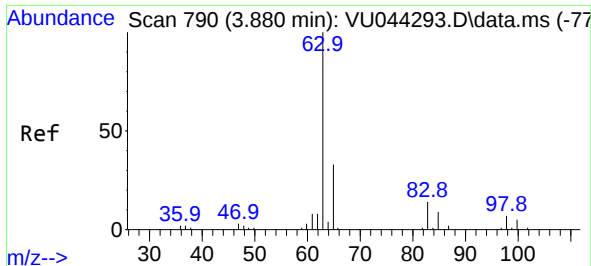


#18
trans-1,2-Dichloroethene
Concen: 0.144 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

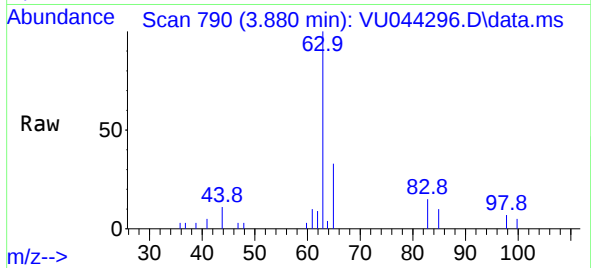


Tgt Ion: 96 Resp: 1180
Ion Ratio Lower Upper
96 100
61 171.4 100.2 186.2
98 76.4 44.9 83.5

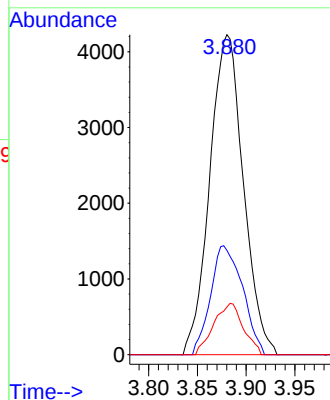
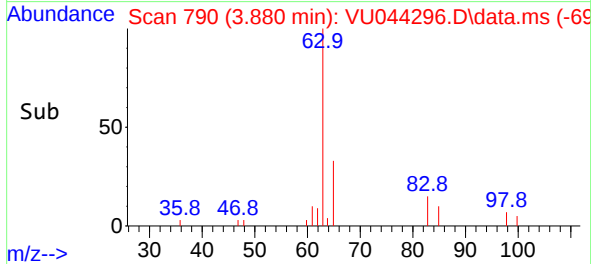




#19
1,1-Dichloroethane
Concen: 0.651 ug/L
RT: 3.880 min Scan# 790
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41



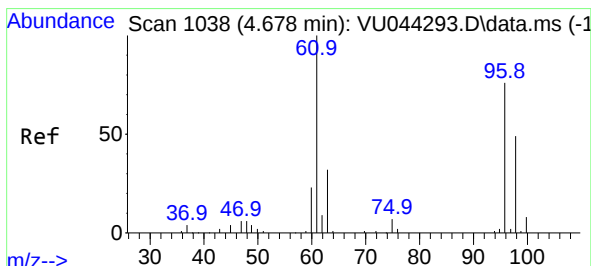
Tgt Ion: 63 Resp: 10137
Ion Ratio Lower Upper
63 100
65 31.2 22.3 41.3
83 14.3 9.9 18.5



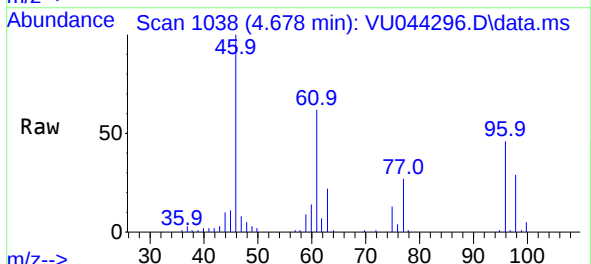
Instrument :
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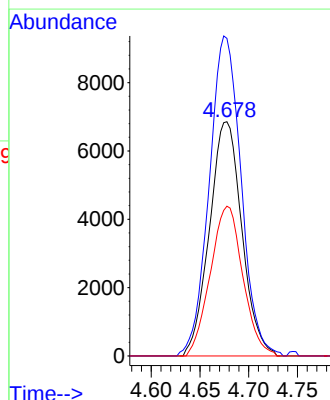
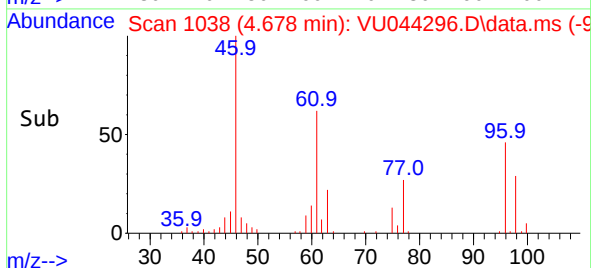
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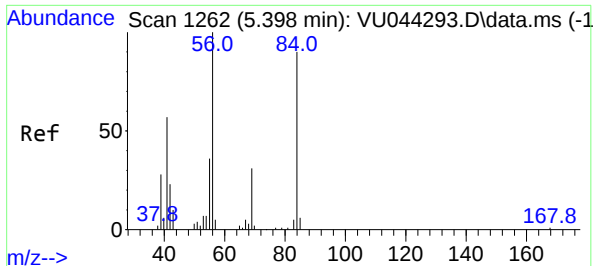


#22
cis-1,2-Dichloroethene
Concen: 1.773 ug/L
RT: 4.678 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41



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

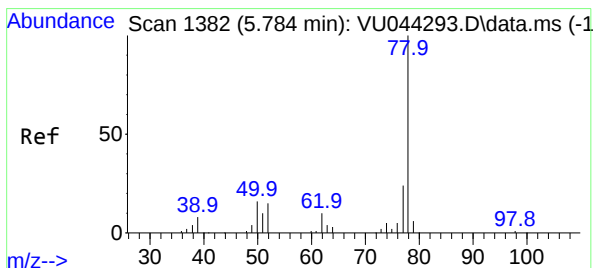
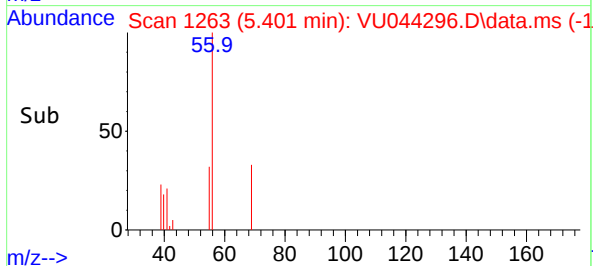
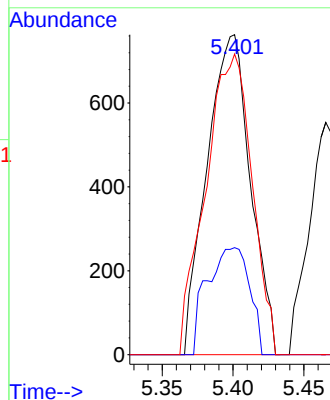
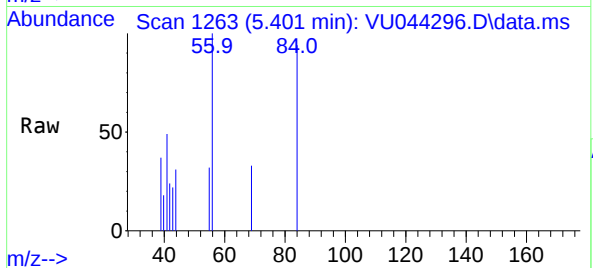
Acq: 02 Jul 2021 11:41

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

Instrument :
MSVOA_U
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DBK28DL

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#33

Benzene

Concen: 0.736 ug/L

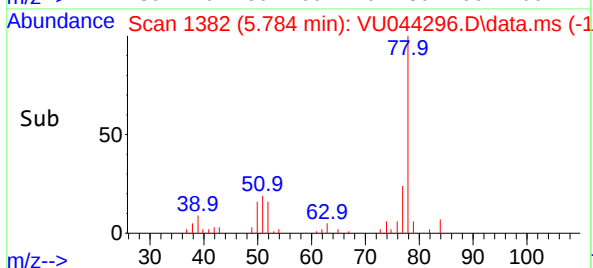
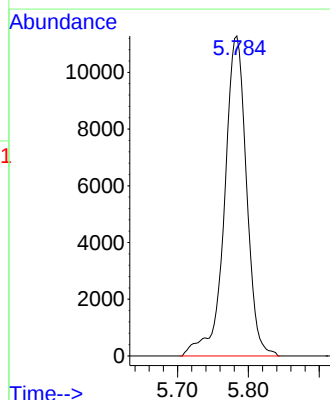
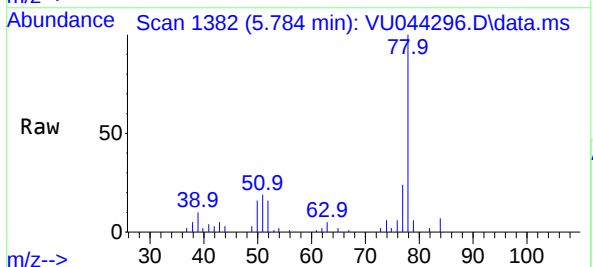
RT: 5.784 min Scan# 1382

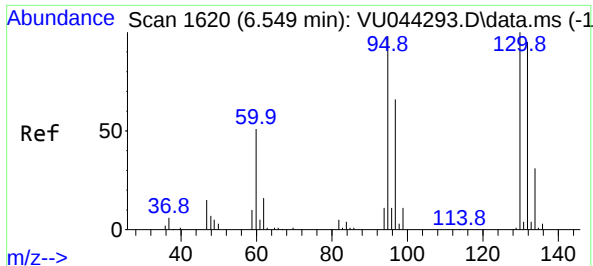
Delta R.T. 0.000 min

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

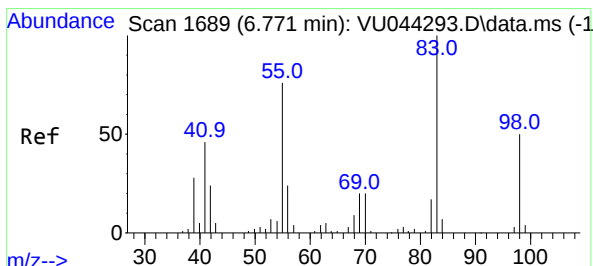
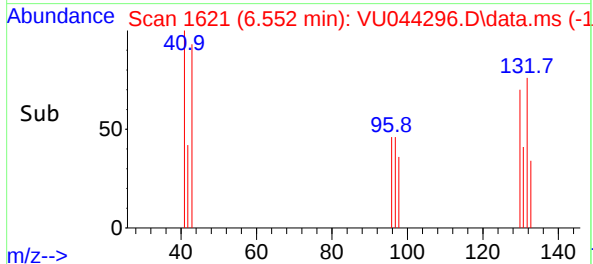
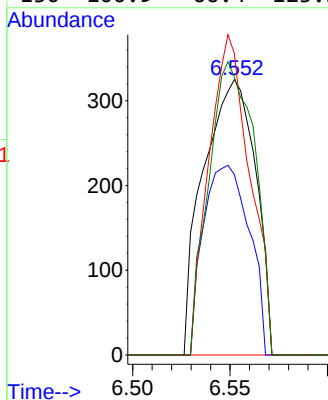
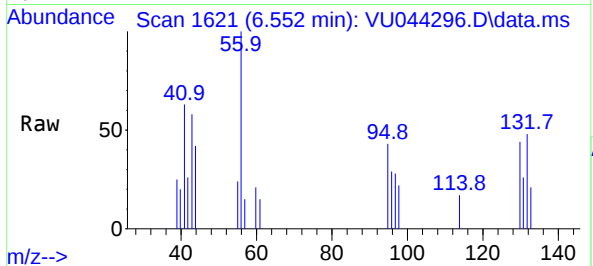
Tgt Ion: 95 Resp: 604

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

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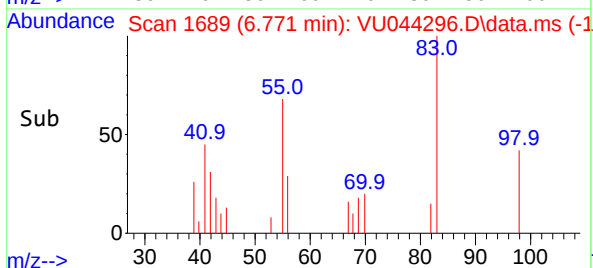
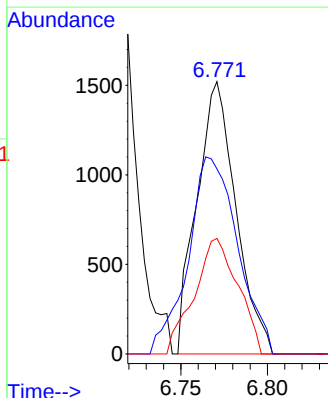
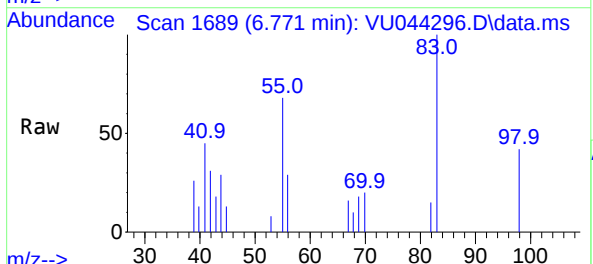
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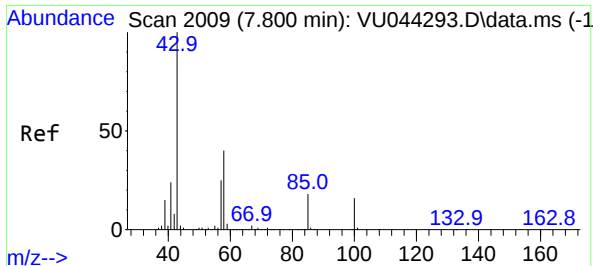


#35
Methylcyclohexane
Concen: 0.162 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

Tgt Ion: 83 Resp: 2392

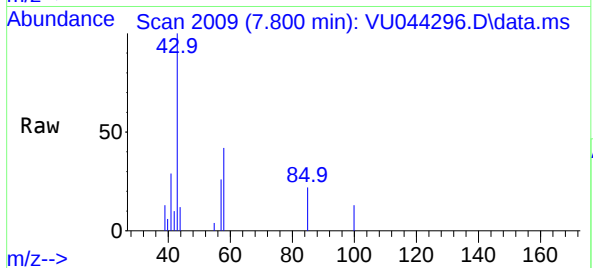
Ion	Ratio	Lower	Upper
83	100		
55	91.6	63.4	95.0
98	47.1	39.4	59.0





#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

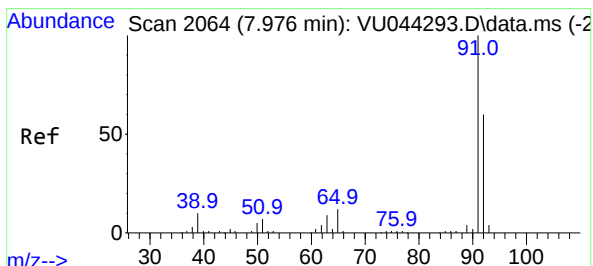
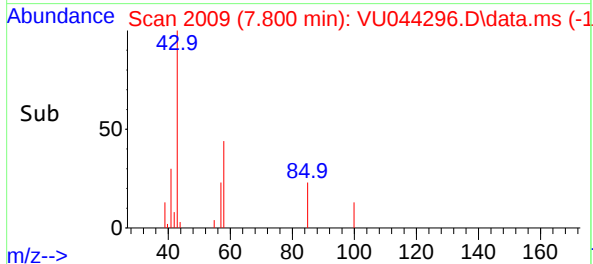
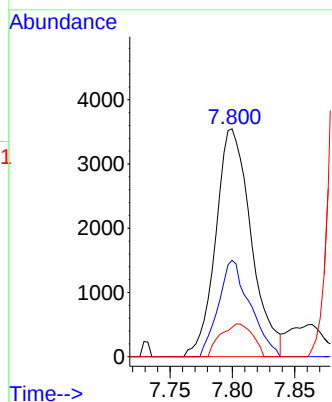
Instrument :
MSVOA_U
ClientSampled :
DBK28DL



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#

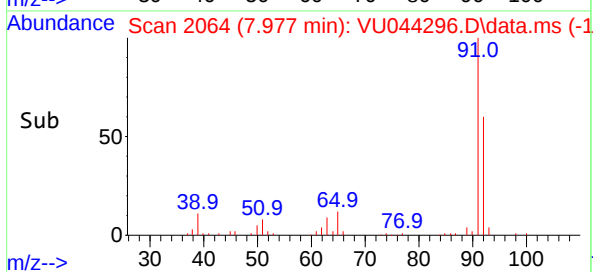
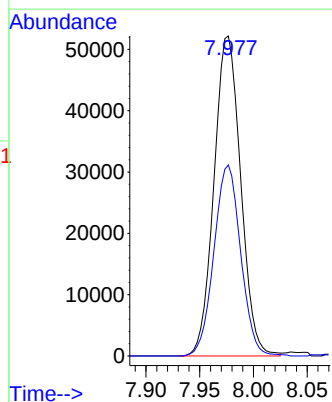
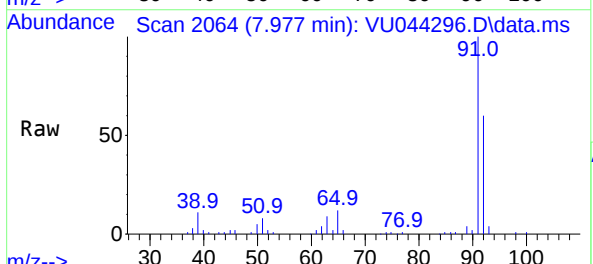
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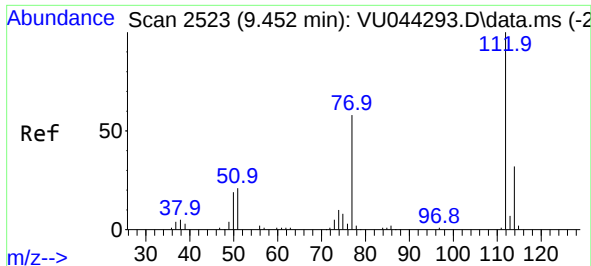
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#42
Toluene
Concen: 2.475 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

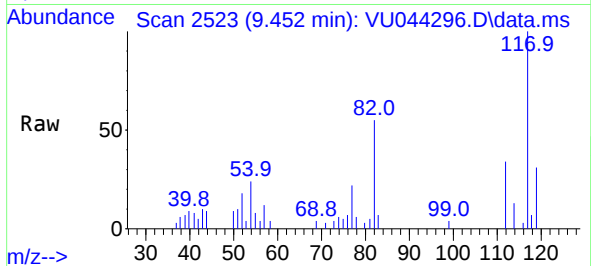
Tgt Ion: 91 Resp: 90204
Ion Ratio Lower Upper
91 100
92 59.7 41.2 76.6





#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

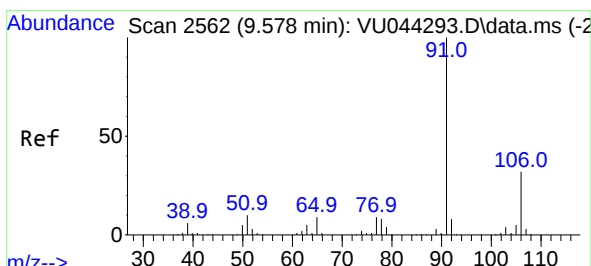
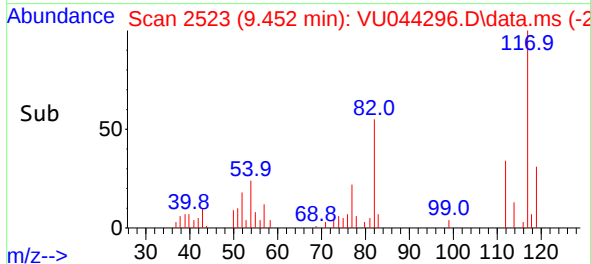
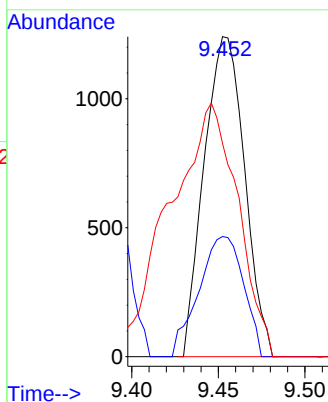
Instrument :
MSVOA_U
ClientSampled :
DBK28DL



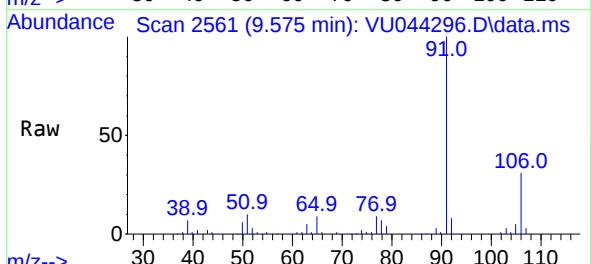
Tgt Ion:112 Resp: 2020
Ion Ratio Lower Upper
112 100
114 37.6 22.0 41.0
77 66.6 48.9 73.3

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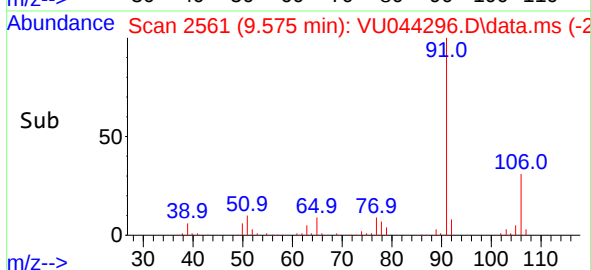
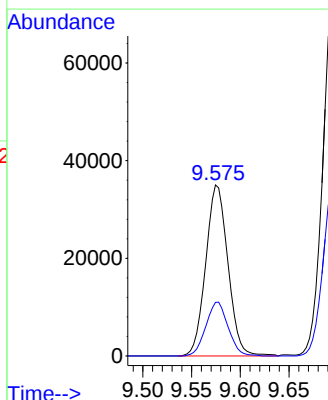
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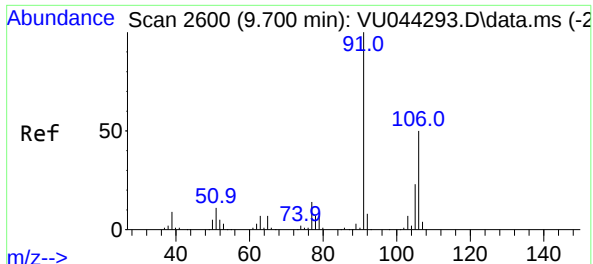


#52
Ethylbenzene
Concen: 1.323 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41



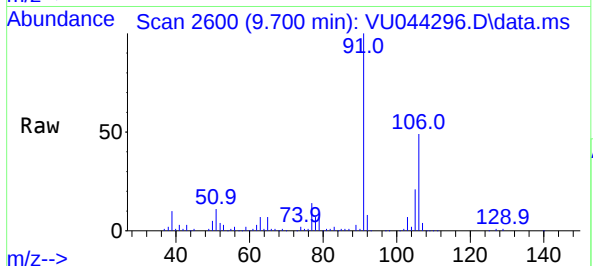
Tgt Ion: 91 Resp: 55679
Ion Ratio Lower Upper
91 100
106 31.3 21.6 40.2





#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

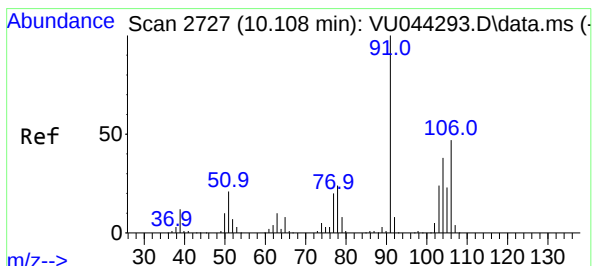
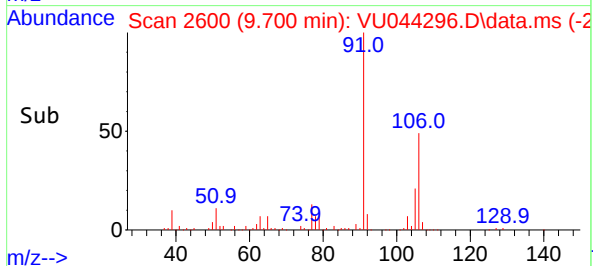
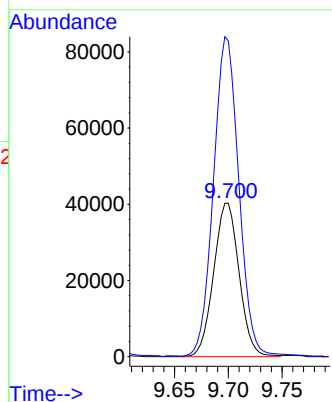
Instrument :
MSVOA_U
ClientSampled :
DBK28DL



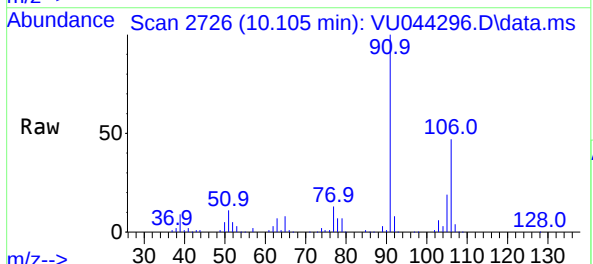
Tgt Ion:106 Resp: 66291
Ion Ratio Lower Upper
106 100
91 205.7 144.8 269.0

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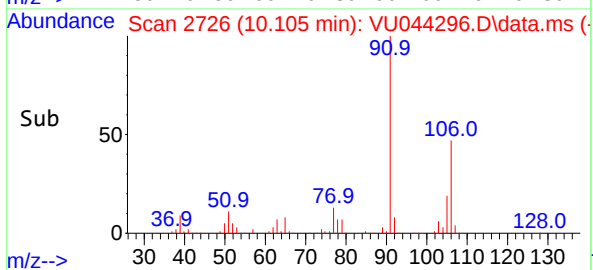
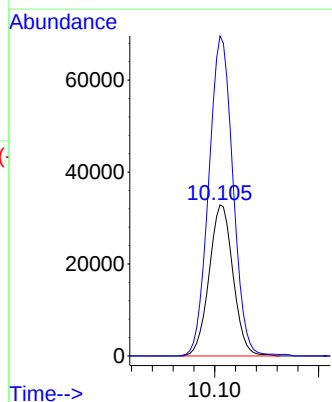
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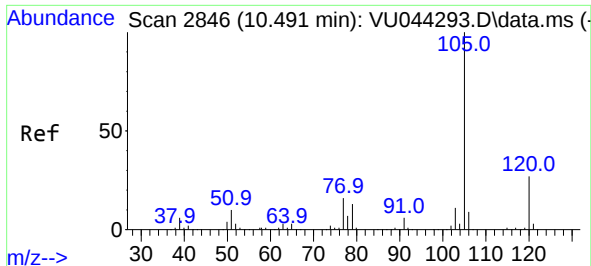


#54
o-Xylene
Concen: 3.387 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41



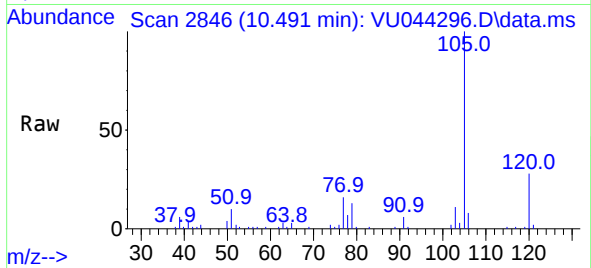
Tgt Ion:106 Resp: 52452
Ion Ratio Lower Upper
106 100
91 211.8 154.8 287.4





#60
Isopropylbenzene
Concen: 0.650 ug/L m
RT: 10.491 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41

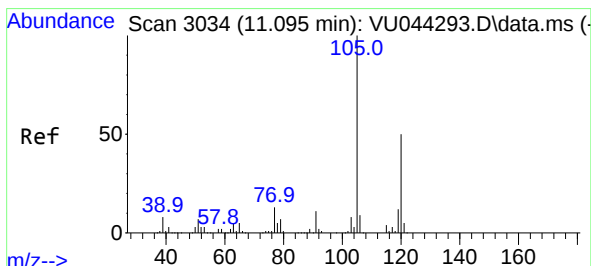
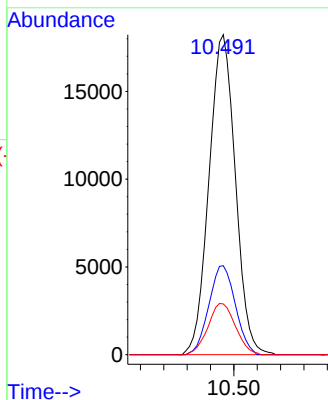
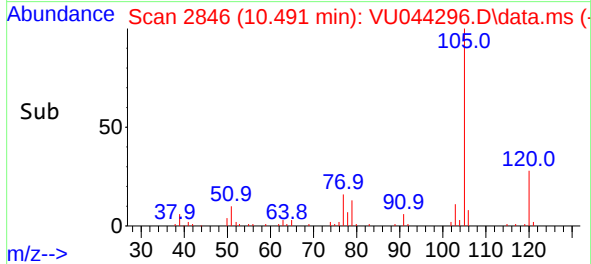
Instrument :
MSVOA_U
ClientSampled :
DBK28DL



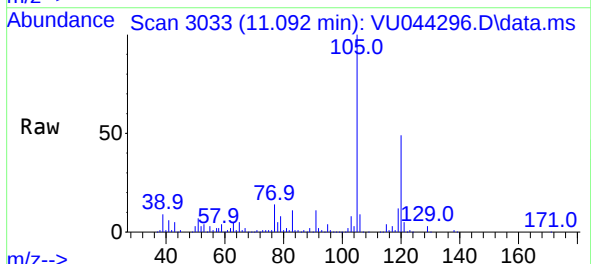
Tgt Ion:105 Resp: 28553
Ion Ratio Lower Upper
105 100
120 199.9 20.7 31.1#
77 85.4 12.9 19.3#

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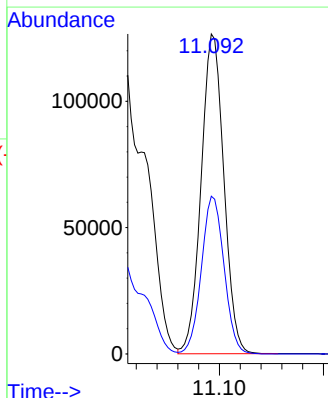
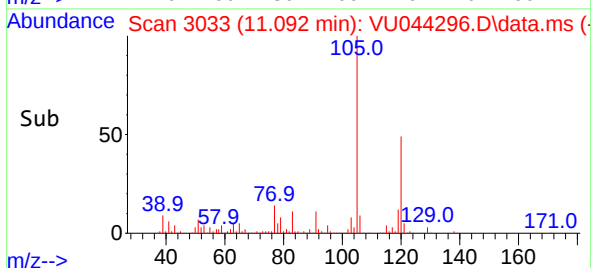
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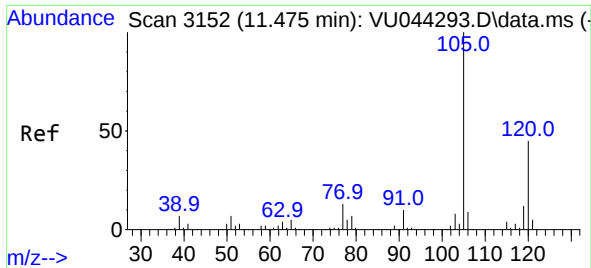


#62
1,3,5-Trimethylbenzene
Concen: 5.013 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.003 min
Lab File: VU044296.D
Acq: 02 Jul 2021 11:41



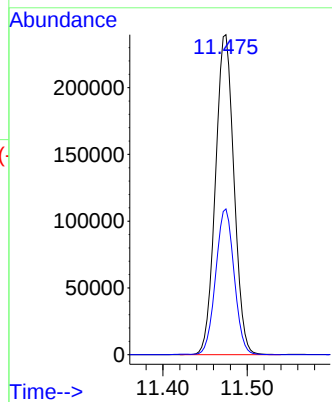
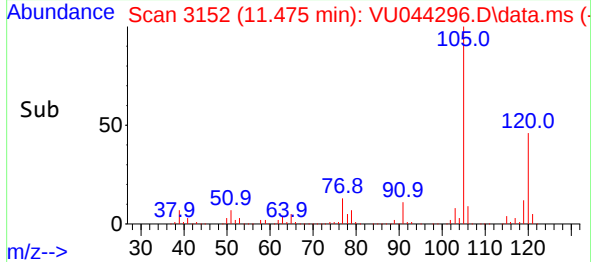
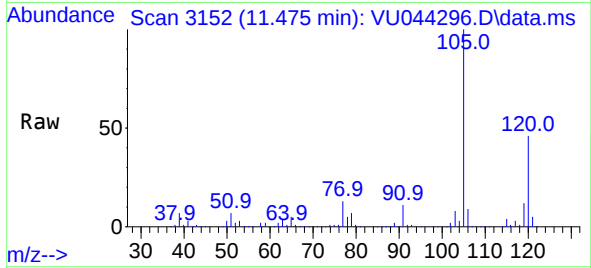
Tgt Ion:105 Resp: 192021
Ion Ratio Lower Upper
105 100
120 49.2 38.0 57.0





#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



Instrument :
MSVOA_U
ClientSampleId :
DBK28DL

Manual Integrations
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