

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
 Data File : VU044280.D
 Acq On : 01 Jul 2021 12:44
 Operator : SY/MD
 Sample : M2905-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBK35

Manual Integrations
 APPROVED

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 7/6/2021 6:43:25 PM

Quant Time: Jul 02 01:50:54 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	6.269	114	144829	5.000	ug/L	0.01
28) Chlorobenzene-d5	9.426	117	132820	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	72184	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	34898	4.451	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.916	69	36014	4.664	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.568	65	18815	4.675	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.400%
20) 2-Butanone-d5	4.710	46	127847	44.275	ug/L	0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.560%
24) Chloroform-d	5.092	84	85082	4.820	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.729	65	48787	4.624	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.748	84	167039	5.064	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	6.710	67	54862	5.132	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.600%
41) Toluene-d8	7.909	98	152084	4.969	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
43) trans-1,3-Dichloroprop...	8.192	79	21656	4.367	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.400%
46) 2-Hexanone-d5	8.648	63	122260	51.765	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.540%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	44825	4.716	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.400%
66) 1,2-Dichlorobenzene-d4	12.198	152	62012	5.214	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.610	62	21141	2.066	ug/L	88
13) Acetone	2.729	43	12352m	9.567	ug/L	
18) trans-1,2-Dichloroethene	3.362	96	17987	2.021	ug/L	95
19) 1,1-Dichloroethane	3.890	63	24321	1.433	ug/L	97
22) cis-1,2-Dichloroethene	4.697	96	19335	1.985	ug/L	98
30) Cyclohexane	5.401	56	3329	0.216	ug/L	94
33) Benzene	5.793	78	284011	8.151	ug/L	100
34) Trichloroethene	6.555	95	1262	0.134	ug/L	98
35) Methylcyclohexane	6.771	83	2199	0.141	ug/L #	65
40) 4-Methyl-2-pentanone	7.812	43	8868	1.199	ug/L #	88
42) Toluene	7.983	91	10266	0.268	ug/L	97
51) Chlorobenzene	9.455	112	38456	1.565	ug/L	98
52) Ethylbenzene	9.578	91	3730	0.084	ug/L	92
53) m,p-Xylene	9.700	106	3476	0.207	ug/L	91
54) o-Xylene	10.105	106	1752	0.107	ug/L	95
60) Isopropylbenzene	10.491	105	33451	0.762	ug/L	96
62) 1,3,5-Trimethylbenzene	11.095	105	18880	0.494	ug/L	97
63) 1,2,4-Trimethylbenzene	11.475	105	8187	0.209	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	1962	0.099	ug/L #	78

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.841	146	3800	0.190	ug/L #	72
67) 1,2-Dichlorobenzene	12.217	146	3158	0.169	ug/L #	84

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

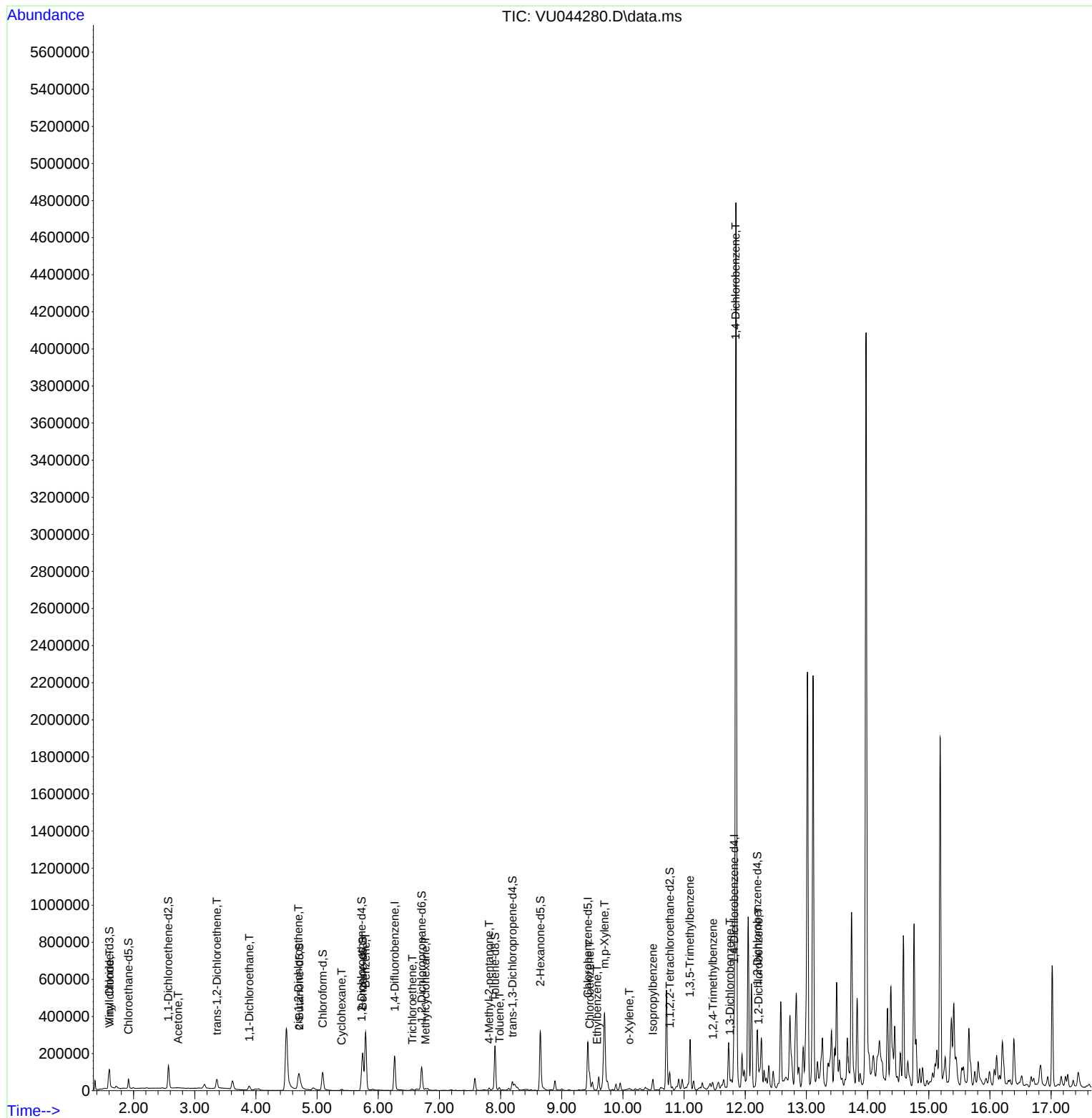
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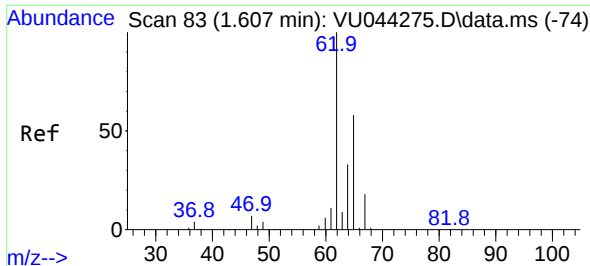
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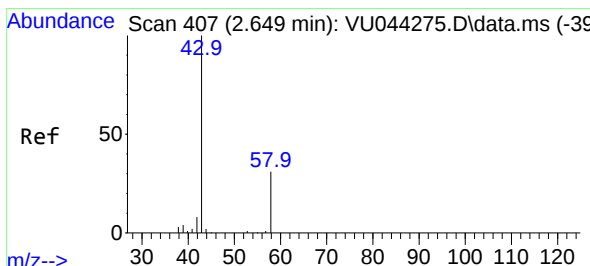
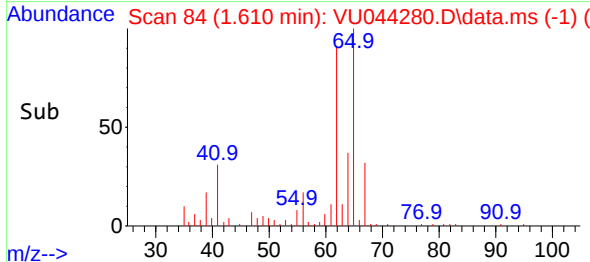
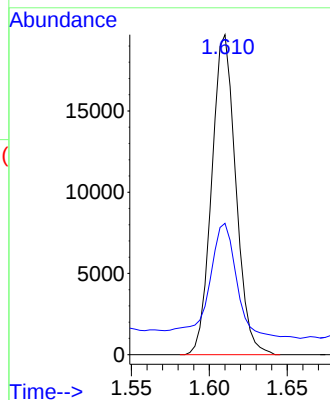
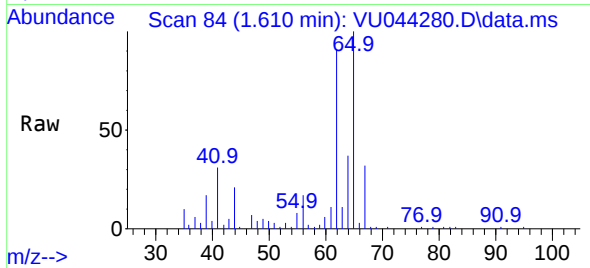
#5
 Vinyl chloride
 Concen: 2.066 ug/L
 RT: 1.610 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VU044280.D
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Tgt Ion: 62 Resp: 21141
 Ion Ratio Lower Upper
 62 100
 64 41.0 23.7 44.1

Instrument :
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 ClientSampled :
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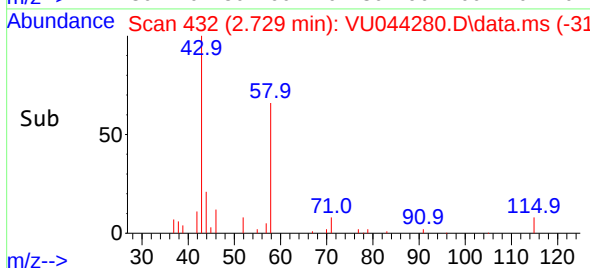
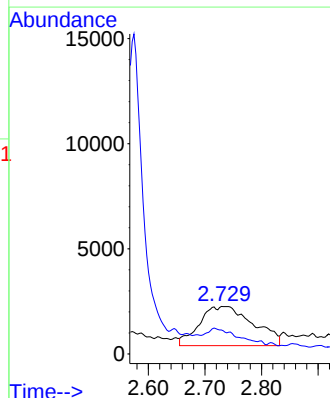
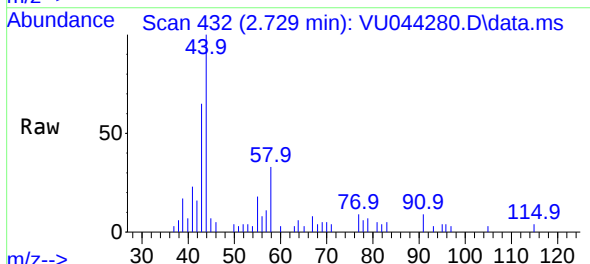
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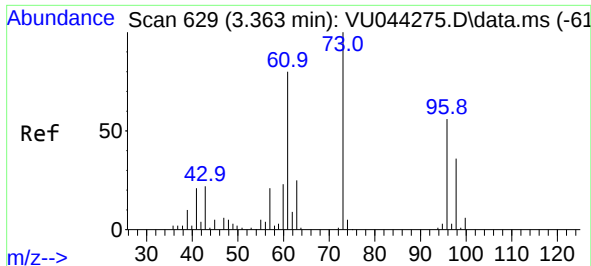
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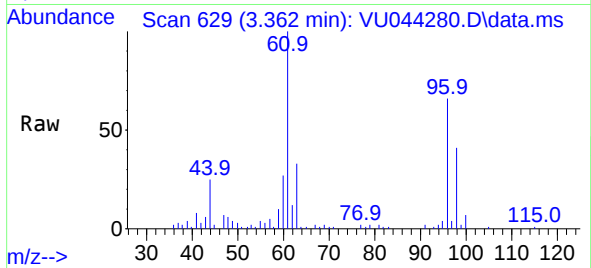
#13
 Acetone
 Concen: 9.567 ug/L m
 RT: 2.729 min Scan# 432
 Delta R.T. 0.080 min
 Lab File: VU044280.D
 Acq: 01 Jul 2021 12:44

Tgt Ion: 43 Resp: 12352
 Ion Ratio Lower Upper
 43 100
 58 0.0 0.0 53.8

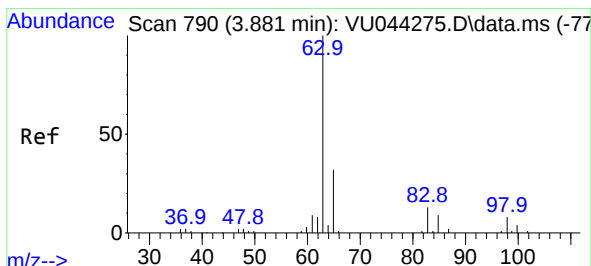
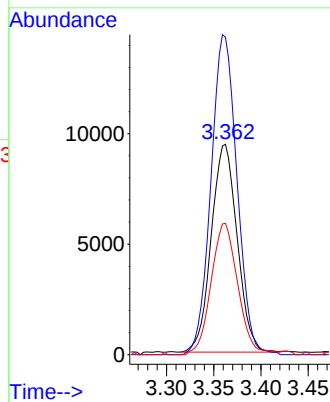
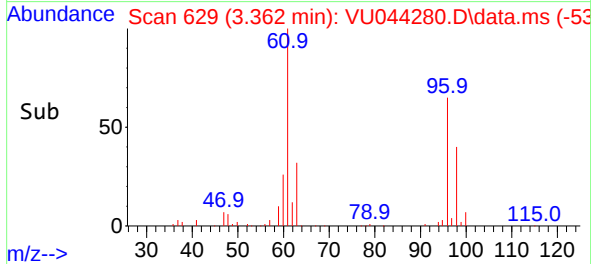




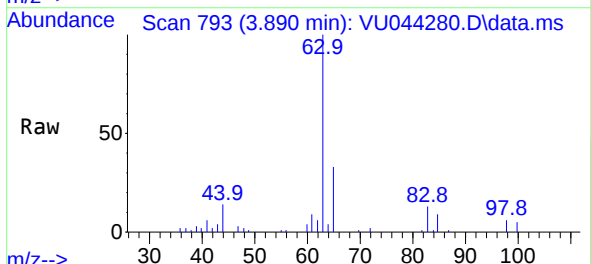
#18
trans-1,2-Dichloroethene
Concen: 2.021 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU044280.D
Acq: 01 Jul 2021 12:44



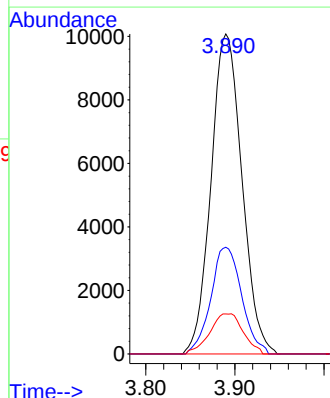
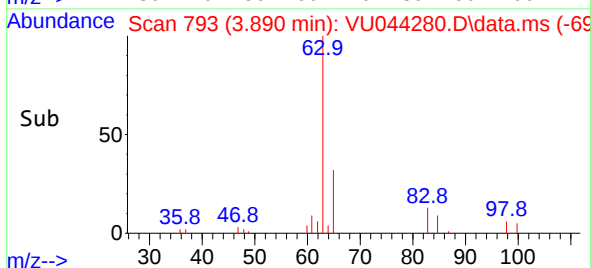
Tgt Ion: 96 Resp: 17987
Ion Ratio Lower Upper
96 100
61 150.9 100.2 186.2
98 62.4 44.9 83.5



#19
1,1-Dichloroethane
Concen: 1.433 ug/L
RT: 3.890 min Scan# 793
Delta R.T. 0.009 min
Lab File: VU044280.D
Acq: 01 Jul 2021 12:44



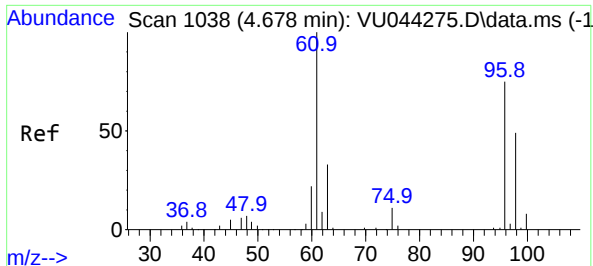
Tgt Ion: 63 Resp: 24321
Ion Ratio Lower Upper
63 100
65 33.4 22.3 41.3
83 12.5 9.9 18.5



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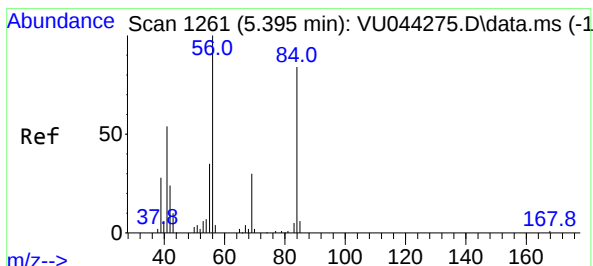
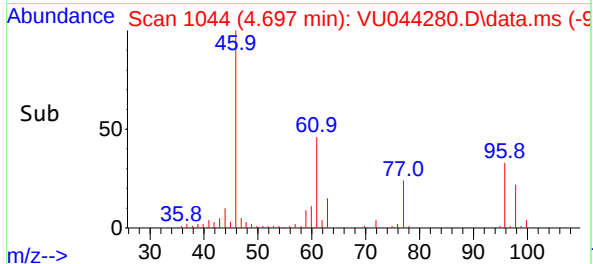
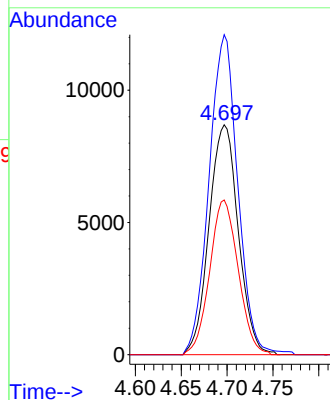
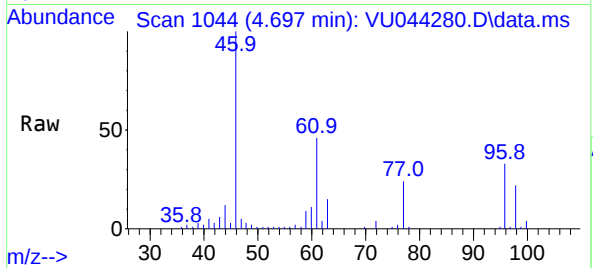
#22
cis-1,2-Dichloroethene
Concen: 1.985 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. 0.019 min
Lab File: VU044280.D
Acq: 01 Jul 2021 12:44

Tgt Ion:	96	Resp:	19335
Ion	Ratio	Lower	Upper
96	100		
61	139.2	98.8	183.6
98	67.3	44.8	83.2

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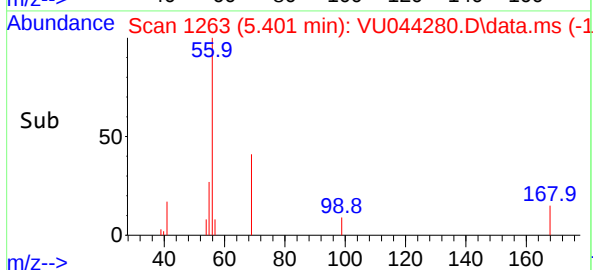
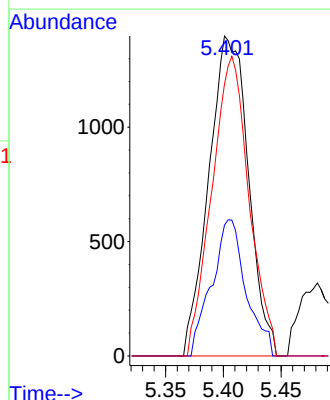
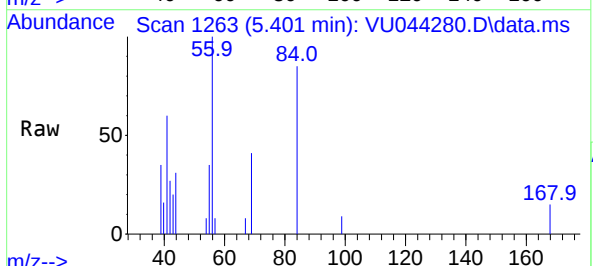
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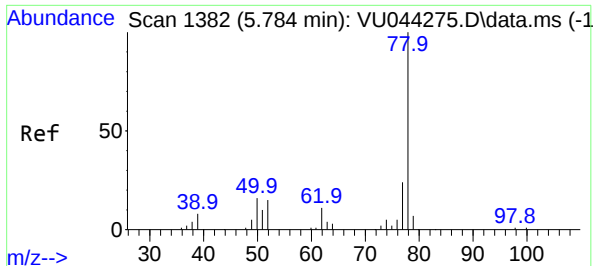
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#30
Cyclohexane
Concen: 0.216 ug/L
RT: 5.401 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VU044280.D
Acq: 01 Jul 2021 12:44

Tgt Ion:	56	Resp:	3329
Ion	Ratio	Lower	Upper
56	100		
69	37.2	24.8	37.2
84	88.0	67.8	101.8





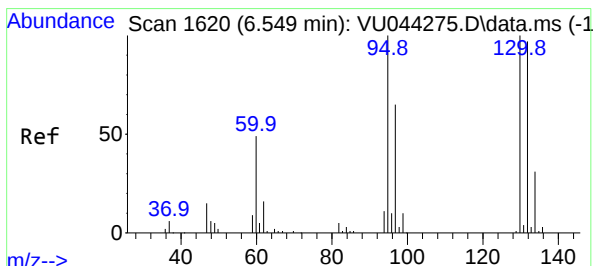
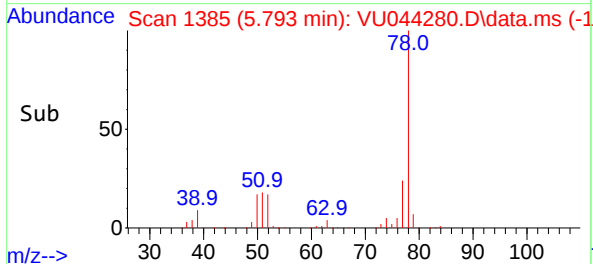
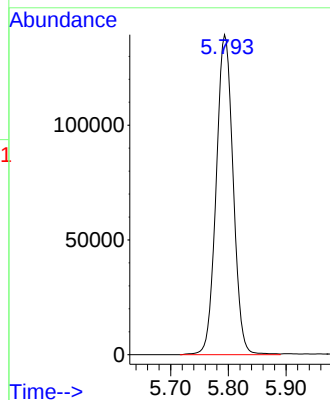
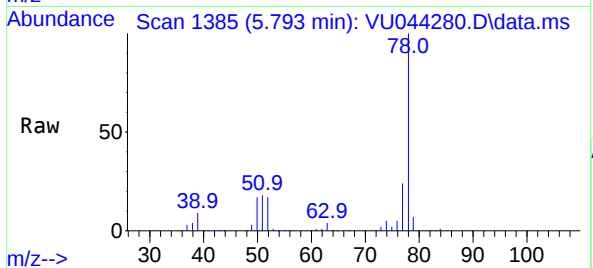
Benzene
Concen: 8.151 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. 0.009 min
Lab File: VU044280.D
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Tgt Ion: 78 Resp: 284011

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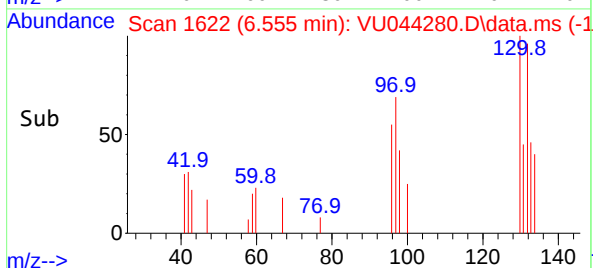
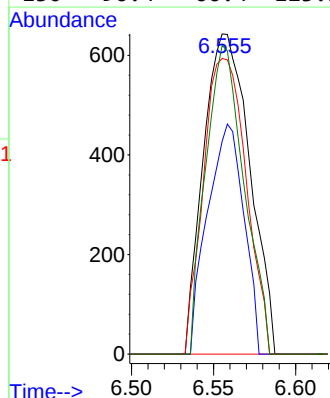
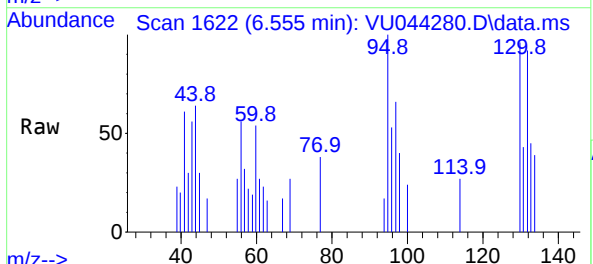
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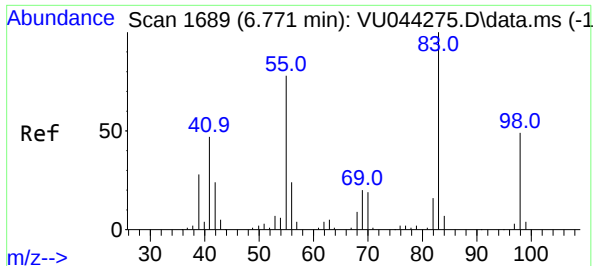


Trichloroethene
Concen: 0.134 ug/L
RT: 6.555 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VU044280.D
Acq: 01 Jul 2021 12:44

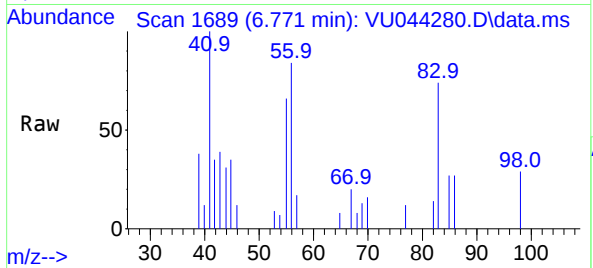
Tgt Ion: 95 Resp: 1262

Ion	Ratio	Lower	Upper
95	100		
97	66.4	44.3	82.3
132	92.4	64.3	119.5
130	96.4	66.4	123.2

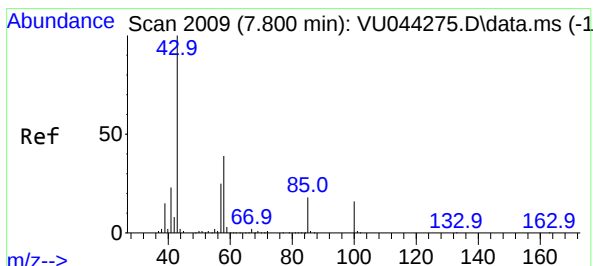
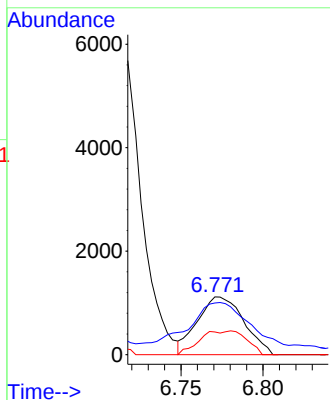
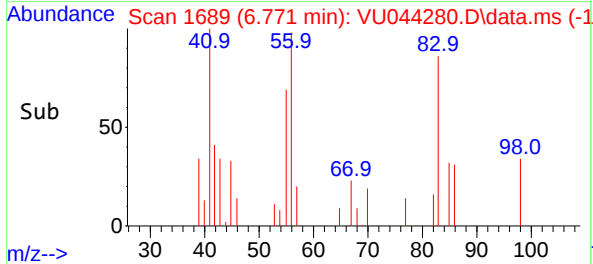




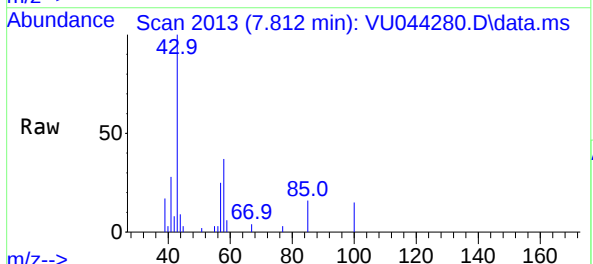
#35
Methylcyclohexane
Concen: 0.141 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. -0.001 min
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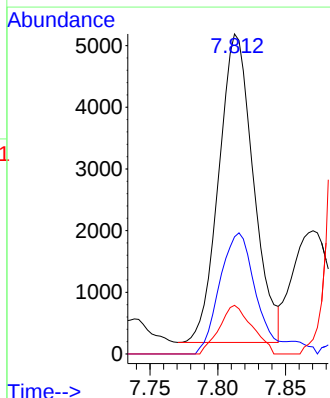
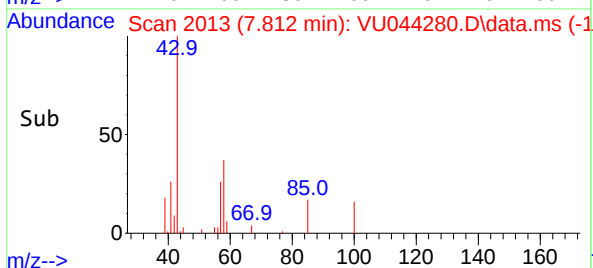
Tgt Ion: 83 Resp: 2199
Ion Ratio Lower Upper
83 100
55 106.2 63.4 95.0#
98 20.4 39.4 59.0#



#40
4-Methyl-2-pentanone
Concen: 1.199 ug/L
RT: 7.812 min Scan# 2013
Delta R.T. 0.012 min
Lab File: VU044280.D
Acq: 01 Jul 2021 12:44



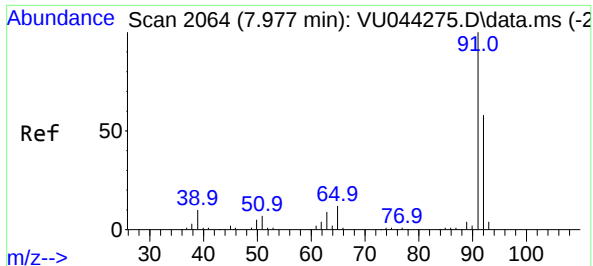
Tgt Ion: 43 Resp: 8868
Ion Ratio Lower Upper
43 100
58 40.6 31.2 46.8
100 0.0 12.3 18.5#



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#42

Toluene

Concen: 0.268 ug/L

RT: 7.983 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VU044280.D

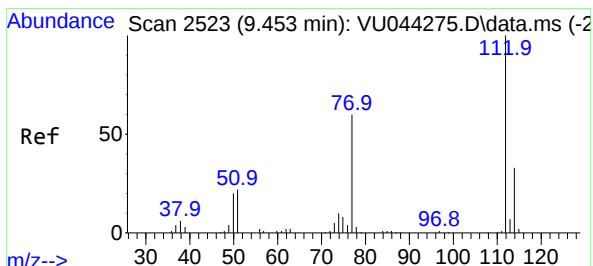
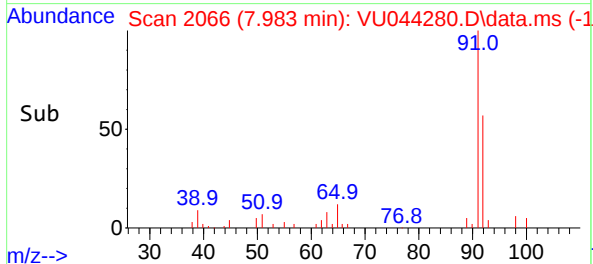
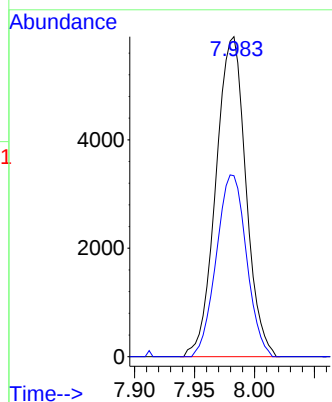
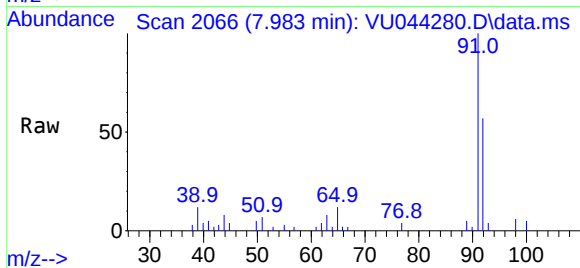
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Tgt Ion: 91 Resp: 10266

Ion Ratio Lower Upper

91 100

92 56.5 41.2 76.6



#51

Chlorobenzene

Concen: 1.565 ug/L

RT: 9.455 min Scan# 2524

Delta R.T. 0.003 min

Lab File: VU044280.D

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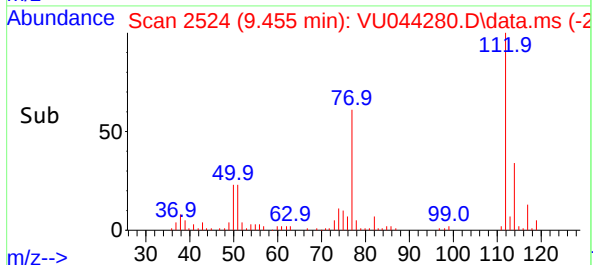
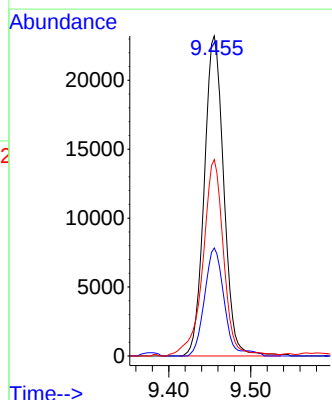
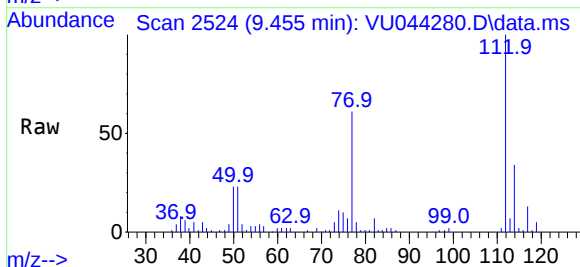
Tgt Ion: 112 Resp: 38456

Ion Ratio Lower Upper

112 100

114 33.8 22.0 41.0

77 61.3 48.9 73.3



Instrument :

MSVOA_U

ClientSampled :

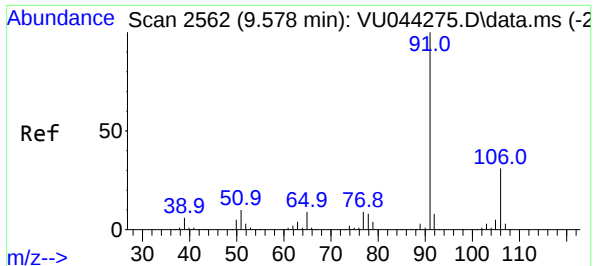
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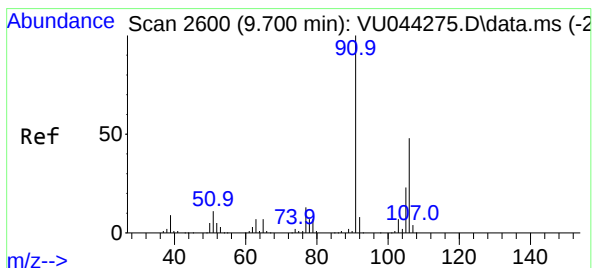
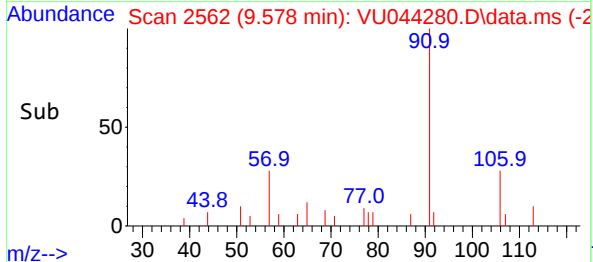
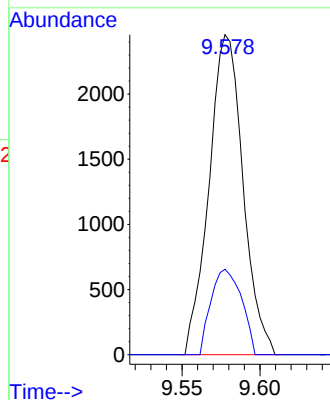
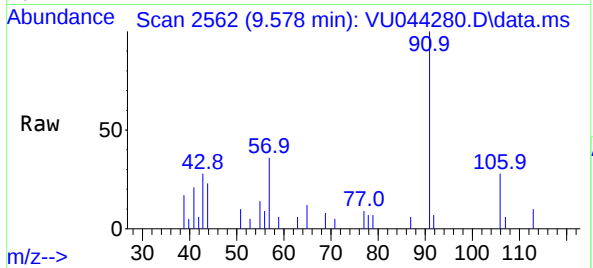
#52
Ethylbenzene
Concen: 0.084 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. -0.001 min
Lab File: VU044280.D
Acq: 01 Jul 2021 12:44

Tgt Ion: 91 Resp: 3730
Ion Ratio Lower Upper
91 100
106 26.7 21.6 40.2

Instrument :
MSVOA_U
ClientSampled :
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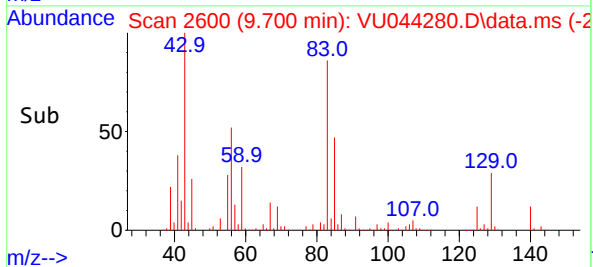
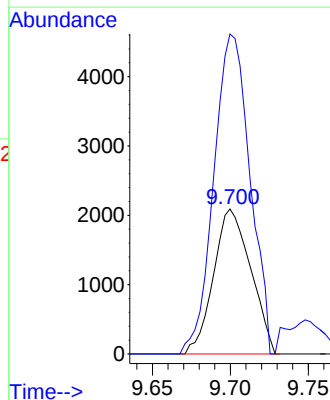
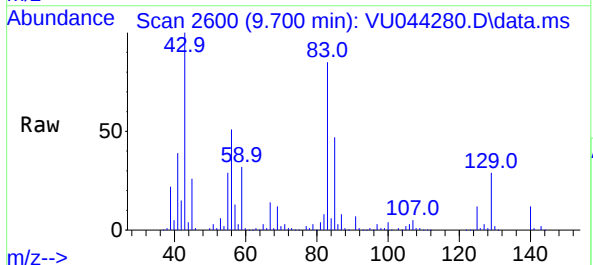
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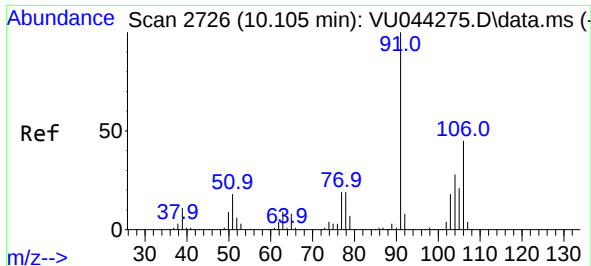
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#53
m,p-Xylene
Concen: 0.207 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.001 min
Lab File: VU044280.D
Acq: 01 Jul 2021 12:44

Tgt Ion: 106 Resp: 3476
Ion Ratio Lower Upper
106 100
91 220.8 144.8 269.0





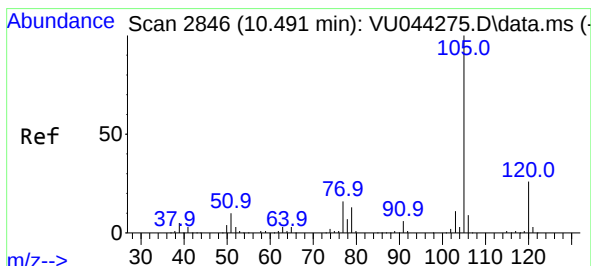
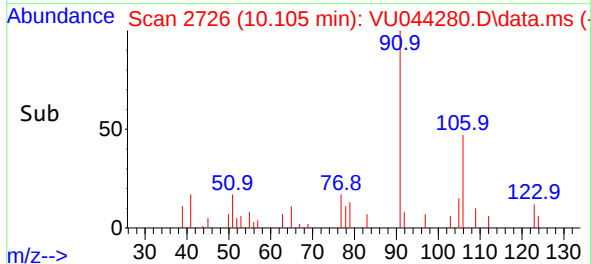
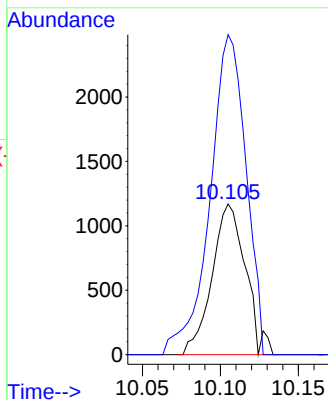
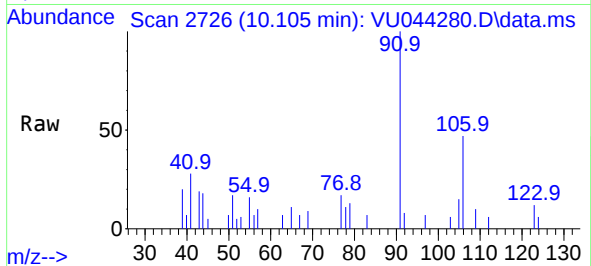
#54
o-Xylene
Concen: 0.107 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.001 min
Lab File: VU044280.D
Acq: 01 Jul 2021 12:44

Tgt Ion:106 Resp: 1752
Ion Ratio Lower Upper
106 100
91 212.3 154.8 287.4

Instrument :
MSVOA_U
ClientSampled :
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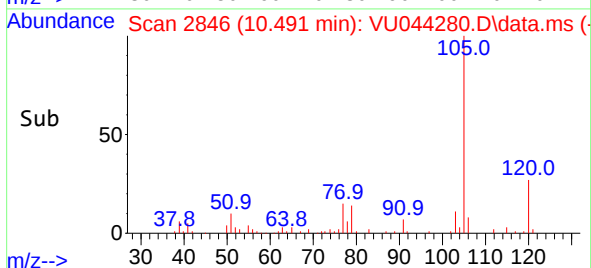
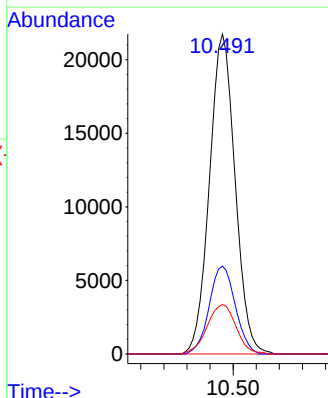
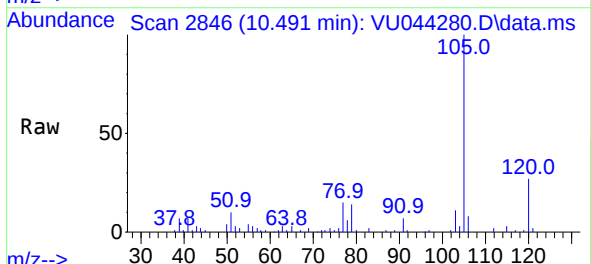
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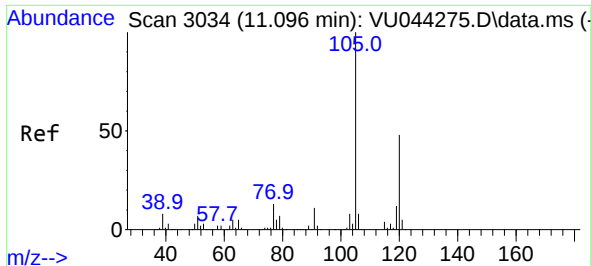
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#60
Isopropylbenzene
Concen: 0.762 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. -0.001 min
Lab File: VU044280.D
Acq: 01 Jul 2021 12:44

Tgt Ion:105 Resp: 33451
Ion Ratio Lower Upper
105 100
120 27.9 20.7 31.1
77 17.4 12.9 19.3





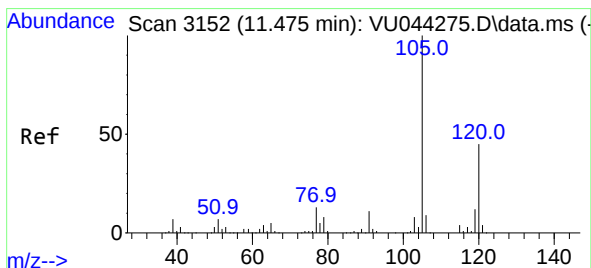
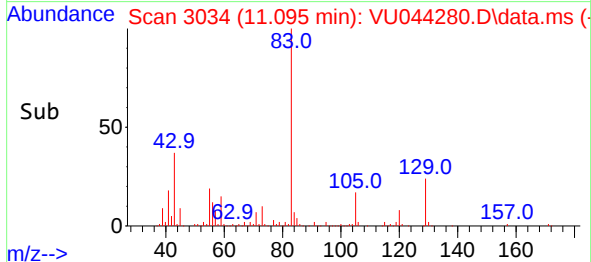
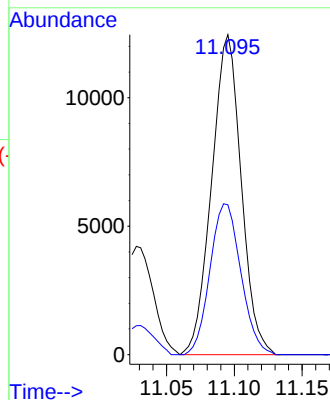
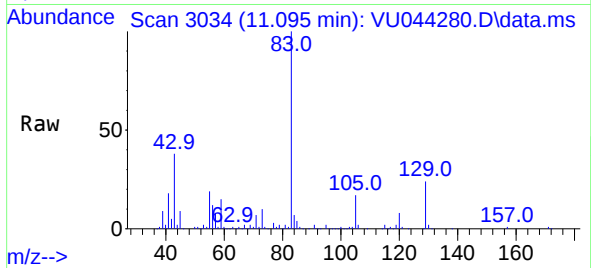
#62
1,3,5-Trimethylbenzene
Concen: 0.494 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. -0.001 min
Lab File: VU044280.D
Acq: 01 Jul 2021 12:44

Tgt Ion:105 Resp: 18880
Ion Ratio Lower Upper
105 100
120 49.3 38.0 57.0

Instrument :
MSVOA_U
ClientSampled :
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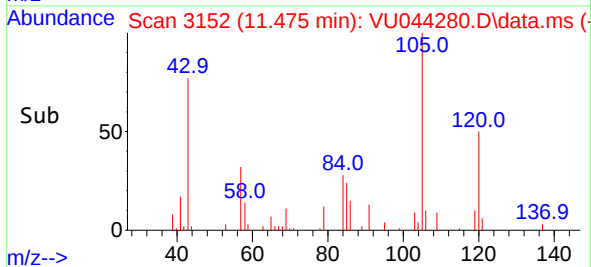
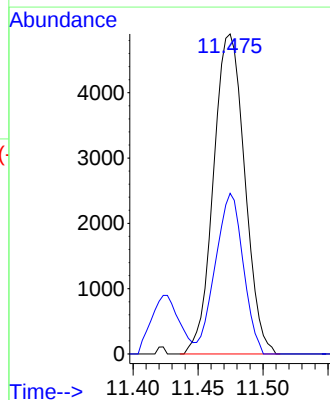
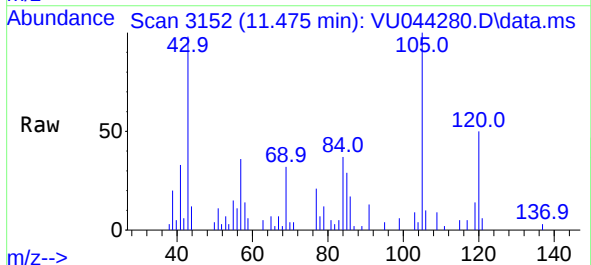
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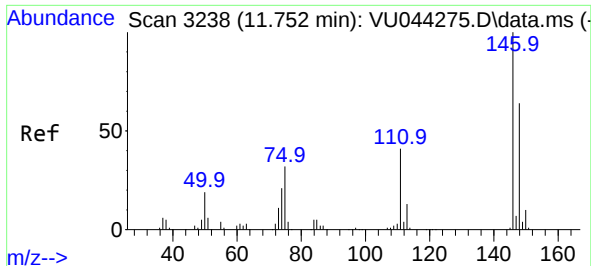
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#63
1,2,4-Trimethylbenzene
Concen: 0.209 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. -0.001 min
Lab File: VU044280.D
Acq: 01 Jul 2021 12:44

Tgt Ion:105 Resp: 8187
Ion Ratio Lower Upper
105 100
120 44.9 35.6 53.4





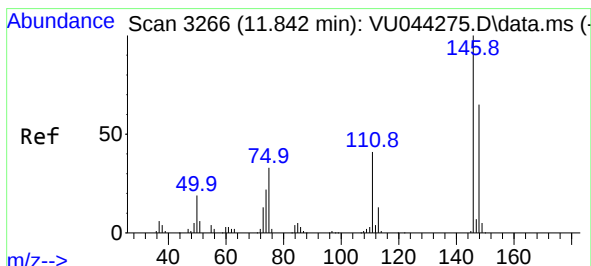
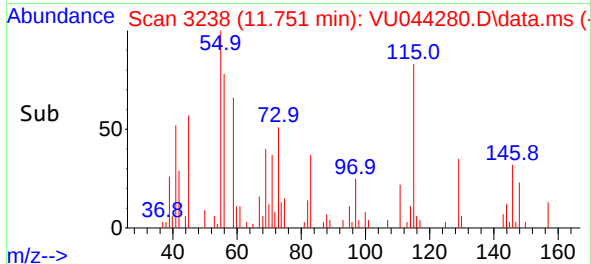
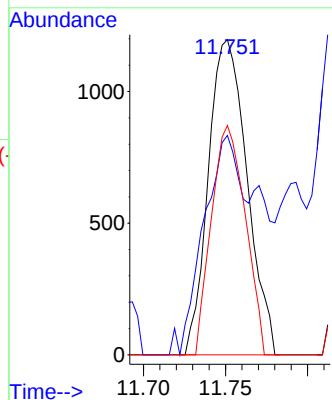
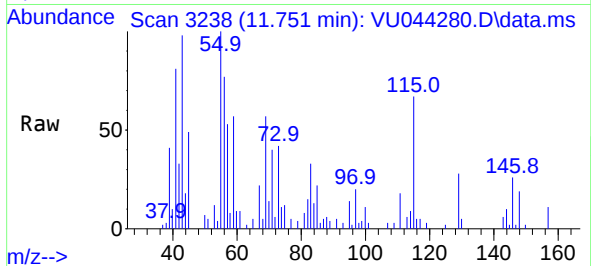
#64
1,3-Dichlorobenzene
Concen: 0.099 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.001 min
Lab File: VU044280.D
Acq: 01 Jul 2021 12:44

Tgt Ion:146 Resp: 1962
Ion Ratio Lower Upper
146 100
111 69.6 29.8 55.3#
148 72.8 45.8 85.2

Instrument :
MSVOA_U
ClientSampled :
DBK35

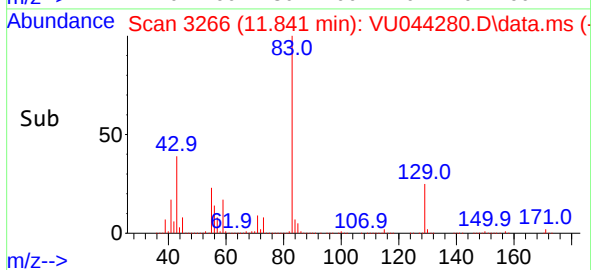
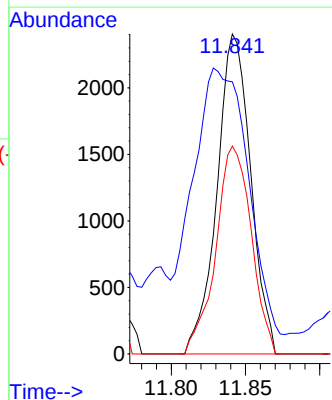
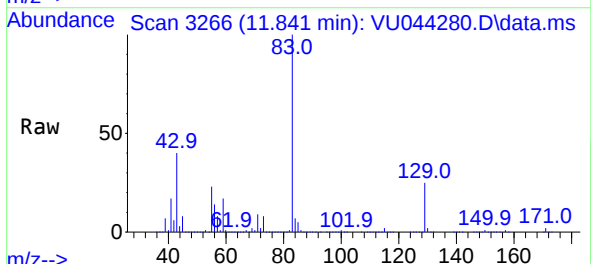
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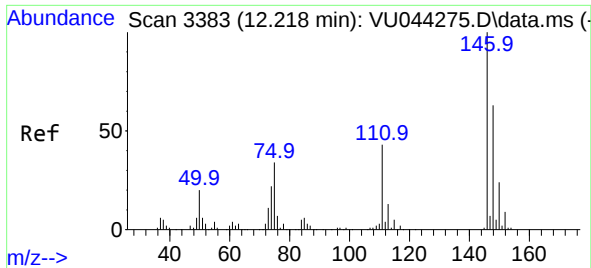
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#65
1,4-Dichlorobenzene
Concen: 0.190 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. -0.001 min
Lab File: VU044280.D
Acq: 01 Jul 2021 12:44

Tgt Ion:146 Resp: 3800
Ion Ratio Lower Upper
146 100
111 85.0 28.2 52.4#
148 64.9 45.1 83.9





#67
 1,2-Dichlorobenzene
 Concen: 0.169 ug/L
 RT: 12.217 min Scan# 3383
 Delta R.T. -0.001 min
 Lab File: VU044280.D
 Acq: 01 Jul 2021 12:44

Tgt Ion:146 Resp: 3158
 Ion Ratio Lower Upper
 146 100
 111 58.5 35.0 52.6#
 148 73.3 51.2 76.8

Instrument :
 MSVOA_U
 ClientSampleID :
 DBK35

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